Astrodienst Ephemeris Tables

from the year 250 BCE for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

JANUARY 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 24 4	7♉ 5'28	16♊51	10♉54	2♉19	13♉44	9°R15	13♐16	1♈ 5	7°R36	16°R31	5°R29	4♊ 6	7♎43	n.a.	M 1
T 2	6 28 0	8° 6'22	0♋32	12°40	3°34	13°50	9♍15	13°23	1° 5	7♉35	16♍31	5♊26	4° 3	7°49	n.a.	T 2
W 3	6 31 57	9° 7'15	14° 0	14°26	4°49	13°56	9°14	13°29	1° 7	7°34	16°30	5°22	4° 0	7°56	n.a.	W 3
T 4	6 35 53	10° 8'06	27°11	16°13	6° 5	14° 3	9°13	13°36	1° 8	7°34	16°30	5°17	3°57	8° 3	n.a.	T 4
F 5	6 39 50	11° 8'56	10♌ 6	18° 0	7°20	14°10	9°11	13°42	1° 9	7°33	16°29	5°11	3°53	8°10	n.a.	F 5
S 6	6 43 46	12° 9'45	22°44	19°47	8°35	14°18	9°10	13°49	1°10	7°33	16°29	5° 4	3°50	8°16	n.a.	S 6
S 7	6 47 43	13°10'33	5♍ 5	21°35	9°50	14°27	9° 8	13°55	1°11	7°32	16°28	4°58	3°47	8°23	n.a.	S 7
M 8	6 51 40	14°11'19	17°13	23°23	11° 5	14°37	9° 6	14° 2	1°12	7°32	16°28	4°53	3°44	8°30	n.a.	M 8
T 9	6 55 36	15°12'04	29°10	25°11	12°21	14°46	9° 4	14° 8	1°14	7°31	16°27	4°50	3°41	8°36	n.a.	T 9
W10	6 59 33	16°12'48	11♎ 2	26°58	13°36	14°57	9° 2	14°15	1°15	7°31	16°27	4°D48	3°38	8°43	n.a.	W10
T 11	7 3 29	17°13'31	22°53	28°45	14°51	15° 8	9° 0	14°21	1°16	7°30	16°26	4°48	3°34	8°50	n.a.	T 11
F 12	7 7 26	18°14'12	4♏48	0♒32	16° 6	15°20	8°57	14°27	1°18	7°30	16°26	4°49	3°31	8°56	n.a.	F 12
S 13	7 11 22	19°14'53	16°52	2°17	17°21	15°32	8°54	14°33	1°19	7°30	16°25	4°51	3°28	9° 3	n.a.	S 13
S 14	7 15 19	20°15'32	29°11	4° 2	18°36	15°45	8°51	14°40	1°21	7°29	16°24	4°R52	3°25	9°10	n.a.	S 14
M15	7 19 15	21°16'09	11♐47	5°44	19°51	15°58	8°48	14°46	1°22	7°29	16°23	4°52	3°22	9°17	n.a.	M15
T 16	7 23 12	22°16'45	24°45	7°25	21° 6	16°12	8°45	14°52	1°24	7°29	16°23	4°50	3°19	9°23	n.a.	T 16
W17	7 27 9	23°17'20	8♑ 5	9° 3	22°21	16°26	8°41	14°58	1°26	7°29	16°22	4°45	3°15	9°30	n.a.	W17
T 18	7 31 5	24°17'53	21°46	10°37	23°36	16°41	8°38	15° 4	1°28	7°29	16°21	4°39	3°12	9°37	n.a.	T 18
F 19	7 35 2	25°18'25	5♒47	12° 8	24°51	16°56	8°34	15°10	1°29	7°29	16°20	4°31	3° 9	9°43	n.a.	F 19
S 20	7 38 58	26°18'54	20° 2	13°35	26° 6	17°12	8°30	15°16	1°31	7°29	16°19	4°22	3° 6	9°50	n.a.	S 20
S 21	7 42 55	27°19'22	4♓26	14°57	27°21	17°28	8°26	15°22	1°33	7°28	16°18	4°14	3° 3	9°57	n.a.	S 21
M22	7 46 51	28°19'48	18°53	16°13	28°36	17°45	8°21	15°27	1°35	7°D28	16°17	4° 7	2°59	10° 3	n.a.	M22
T 23	7 50 48	29°20'11	3♈17	17°23	29°51	18° 2	8°17	15°33	1°37	7°28	16°16	4° 1	2°56	10°10	n.a.	T 23
W24	7 54 44	0♒20'33	17°34	18°26	1♒ 6	18°19	8°12	15°39	1°39	7°29	16°15	3°59	2°53	10°17	n.a.	W24
T 25	7 58 41	1°20'52	1♉42	19°22	2°21	18°37	8° 7	15°44	1°41	7°29	16°14	3°D58	2°50	10°24	n.a.	T 25
F 26	8 2 38	2°21'10	15°39	20° 9	3°36	18°56	8° 2	15°50	1°43	7°29	16°13	3°58	2°47	10°30	n.a.	F 26
S 27	8 6 34	3°21'25	29°26	20°48	4°51	19°14	7°57	15°56	1°45	7°29	16°12	3°R59	2°44	10°37	n.a.	S 27
S 28	8 10 31	4°21'38	13♊ 2	21°18	6° 6	19°33	7°52	16° 1	1°47	7°29	16°11	3°59	2°40	10°44	n.a.	S 28
M29	8 14 27	5°21'49	26°28	21°39	7°21	19°53	7°46	16° 6	1°49	7°29	16°10	3°57	2°37	10°50	n.a.	M29
T 30	8 18 24	6°21'58	9♋43	21°50	8°36	20°13	7°41	16°12	1°52	7°30	16° 9	3°52	2°34	10°57	n.a.	T 30
W31	8 22 20	7♒22'04	22♋48	21°R51	9♒51	20♉33	7♍35	16♐17	1♈54	7♉30	16♍ 8	3♊44	2♊31	11♎ 4	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s32	24n 6	1n 2	25s17	2s 1	24s25	0s42	18n26	2n23	9n35	1n30	21s45	0n55	0s10	0s40	12n27	1s52	21n17	17n22	21n28	21n13	0n50		n.a.
T 2	23 28	25 56	2 13	25 7	2 1	24 25	0 44	18 27	2 23	9 36	1 31	21 46	0 55	0 10	0 40	12 27	1 52	21 17	17 23	21 28	21 13	0 47		n.a.
W 3	23 24	26 12	3 15	24 54	1 59	24 25	0 46	18 29	2 23	9 36	1 31	21 47	0 55	0 9	0 40	12 27	1 52	21 18	17 24	21 27	21 12	0 44		n.a.
T 4	23 20	24 58	4 5	24 40	1 57	24 23	0 48	18 31	2 23	9 37	1 31	21 48	0 55	0 9	0 40	12 27	1 52	21 19	17 24	21 26	21 11	0 41		n.a.
F 5	23 15	22 26	4 41	24 23	1 54	24 21	0 50	18 33	2 23	9 38	1 32	21 49	0 55	0 8	0 39	12 26	1 51	21 19	17 25	21 25	21 11	0 38		n.a.
S 6	23 10	18 52	5 3	24 5	1 51	24 19	0 52	18 36	2 23	9 39	1 32	21 50	0 55	0 8	0 39	12 26	1 51	21 20	17 25	21 24	21 10	0 35		n.a.
S 7	23 4	14 33	5 10	23 44	1 48	24 15	0 54	18 38	2 23	9 40	1 32	21 50	0 55	0 7	0 39	12 26	1 51	21 21	17 26	21 23	21 10	0 32		n.a.
M 8	22 58	9 45	5 3	23 22	1 43	24 11	0 56	18 41	2 23	9 41	1 33	21 51	0 55	0 7	0 39	12 26	1 51	21 22	17 26	21 22	21 9	0 28		n.a.
T 9	22 51	4 39	4 43	22 58	1 38	24 6	0 57	18 44	2 23	9 42	1 33	21 52	0 55	0 6	0 39	12 26	1 51	21 22	17 27	21 21	21 8	0 25		n.a.
W10	22 44	0s35	4 11	22 31	1 32	24 0	0 59	18 47	2 22	9 43	1 33	21 53	0 55	0 6	0 39	12 26	1 51	21 23	17 27	21 21	21 8	0 22		n.a.
T 11	22 36	5 47	3 28	22 3	1 26	23 54	1 1	18 50	2 22	9 44	1 33	21 53	0 55	0 5	0 39	12 26	1 51	21 24	17 28	21 21	21 7	0 19		n.a.
F 12	22 28	10 50	2 36	21 33	1 19	23 47	1 3	18 53	2 22	9 45	1 34	21 54	0 55	0 5	0 39	12 26	1 51	21 24	17 29	21 21	21 7	0 16		n.a.
S 13	22 20	15 33	1 36	21 2	1 11	23 39	1 4	18 57	2 22	9 47	1 34	21 55	0 55	0 4	0 39	12 26	1 51	21 25	17 29	21 22	21 6	0 13		n.a.
S 14	22 11	19 43	0 31	20 29	1 2	23 30	1 6	19 0	2 21	9 48	1 34	21 56	0 55	0 3	0 39	12 26	1 51	21 26	17 30	21 22	21 5	0 10		n.a.
M15	22 1	23 5	0s37	19 54	0 52	23 21	1 7	19 4	2 21	9 49	1 35	21 56	0 55	0 3	0 39	12 26	1 51	21 27	17 30	21 22	21 5	0 7		n.a.
T 16	21 52	25 22	1 45	19 19	0 42	23 11	1 9	19 8	2 21	9 51	1 35	21 57	0 55	0 2	0 39	12 26	1 51	21 27	17 31	21 21	21 4	0 3		n.a.
W17	21 41	26 17	2 49	18 42	0 31	23 0	1 10	19 12	2 21	9 52	1 35	21 58	0 55	0 1	0 39	12 26	1 51	21 28	17 31	21 21	21 4	0 0		n.a.
T 18	21 31	25 39	3 45	18 5	0 19	22 48	1 11	19 16	2 20	9 54	1 35	21 58	0 55	0 0	0 39	12 26	1 51	21 29	17 32	21 19	21 3	0s 3		n.a.
F 19	21 20	23 23	4 29	17 28	0 7	22 36	1 13	19 20	2 20	9 56	1 36	21 59	0 55	0n 0	0 39	12 26	1 51	21 30	17 32	21 18	21 2	0 6		n.a.
S 20	21 9	19 39	4 56	16 50	0n 7	22 23	1 14	19 24	2 20	9 58	1 36	22 0	0 55	0 1	0 39	12 26	1 50	21 31	17 33	21 16	21 2	0 9		n.a.
S 21	20 57	14 44	5 6	16 13	0 21	22 10	1 15	19 28	2 19	9 59	1 36	22 1	0 55	0 2	0 39	12 26	1 50	21 31	17 33	21 15	21 1	0 12		n.a.
M22	20 45	8 58	4 56	15 36	0 35	21 56	1 16	19 33	2 19	10 1	1 36	22 1	0 55	0 3	0 39	12 26	1 50	21 32	17 33	21 13	21 0	0 15		n.a.
T 23	20 32	2 45	4 27	15 1	0 50	21 41	1 17	19 37	2 19	10 3	1 37	22 2	0 54	0 3	0 39	12 26	1 50	21 33	17 34	21 12	21 0	0 19		n.a.
W24	20 19	3n34	3 42	14 27	1 5	21 25	1 18	19 42	2 18	10 5	1 37	22 2	0 54	0 4	0 39	12 26	1 50	21 34	17 34	21 12	20 59	0 22		n.a.
T 25	20 6	9 39	2 44	13 55	1 21	21 9	1 19	19 47	2 18	10 7	1 37	22 3	0 54	0 5	0 39	12 26	1 50	21 35	17 35	21 12	20 59	0 25		n.a.
F 26	19 52	15 11	1 36	13 25	1 37	20 52	1 20	19 52	2 18	10 9	1 37	22 4	0 54	0 6	0 39	12 26	1 50	21 35	17 35	21 12	20 58	0 28		n.a.
S 27	19 38	19 52	0 24	12 58	1 52	20 35	1 21	19 57	2 17	10 12	1 38	22 4	0 54	0 7	0 39	12 26	1 50	21 36	17 36	21 12	20 57	0 31		n.a.
S 28	19 24	23 26	0n48	12 33	2 8	20 17	1 21	20 2	2 17	10 14	1 38	22 5	0 54	0 8	0 39	12 27	1 50	21 37	17 36	21 12	20 57	0 34		n.a.
M29	19 9	25 38	1 57	12 12	2 23	19 59	1 22	20 7	2 17	10 16	1 38	22 5	0 54	0 9	0 39	12 27	1 50	21 38	17 37	21 11	20 56	0 37		n.a.
T 30	18 54	26 20	2 58	11 55	2 37	19 40	1 23	20 12	2 16	10 18	1 38	22 6	0 54	0 10	0 39	12 27	1 50	21 39	17 37	21 11	20 55	0 41		n.a.
W31	18s39	25n32	3n49	11s42	2n51	19s20	1s23	20n17	2n16	10n21	1n39	22s 6	0n54	0n11	0s39	12n27	1s50	21n40	17n37	21n 9	20n55	0s44		n.a.

Julian Day Number = 1630110.5, Delta T = 03h42m24s
Ecliptic obliquity = 23°43'35, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°31'18, Lahiri = - 7°24'17 Julian Calendar 1 Jan. 250 BCE == Greg. Calendar 28 Dec. 251 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

FEBRUARY 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 26 17	8♒22'09	5♌41	21°R43	11♒ 5	20♉54	7°R29	16♐22	1♈56	7♉30	16°R 6	3°R34	2♊28	11♎10	n.a.	T 1
F 2	8 30 13	9°22'12	18°22	21♒26	12°20	21°14	7♍23	16°27	1°59	7°31	16♍ 5	3♊22	2°25	11°17	n.a.	F 2
S 3	8 34 10	10°22'12	0♍50	21° 0	13°35	21°36	7°17	16°33	2° 1	7°31	16° 4	3°10	2°21	11°24	n.a.	S 3
S 4	8 38 7	11°22'11	13° 5	20°26	14°50	21°57	7°11	16°38	2° 3	7°32	16° 3	2°58	2°18	11°30	n.a.	S 4
M 5	8 42 3	12°22'08	25°10	19°45	16° 5	22°19	7° 5	16°43	2° 6	7°32	16° 1	2°47	2°15	11°37	n.a.	M 5
T 6	8 46 0	13°22'03	7♎ 6	18°58	17°19	22°41	6°58	16°47	2° 8	7°33	16° 0	2°39	2°12	11°44	n.a.	T 6
W 7	8 49 56	14°21'56	18°57	18° 6	18°34	23° 4	6°52	16°52	2°11	7°33	15°59	2°33	2° 9	11°51	n.a.	W 7
T 8	8 53 53	15°21'47	0♏46	17°11	19°49	23°27	6°45	16°57	2°14	7°34	15°57	2°30	2° 5	11°57	n.a.	T 8
F 9	8 57 49	16°21'37	12°40	16°13	21° 3	23°50	6°38	17° 2	2°16	7°34	15°56	2°D29	2° 2	12° 4	n.a.	F 9
S 10	9 1 46	17°21'24	24°42	15°14	22°18	24°13	6°31	17° 6	2°19	7°35	15°55	2°29	1°59	12°11	n.a.	S 10
S 11	9 5 42	18°21'10	6♐58	14°16	23°33	24°37	6°24	17°11	2°21	7°36	15°53	2°R29	1°56	12°17	n.a.	S 11
M12	9 9 39	19°20'55	19°35	13°19	24°47	25° 1	6°17	17°15	2°24	7°36	15°52	2°28	1°53	12°24	n.a.	M12
T 13	9 13 36	20°20'37	2♑35	12°25	26° 2	25°25	6°10	17°20	2°27	7°37	15°50	2°25	1°50	12°31	n.a.	T 13
W14	9 17 32	21°20'18	16° 2	11°34	27°17	25°49	6° 3	17°24	2°30	7°38	15°49	2°19	1°46	12°37	n.a.	W14
T 15	9 21 29	22°19'56	29°56	10°48	28°31	26°14	5°56	17°28	2°32	7°39	15°47	2°11	1°43	12°44	n.a.	T 15
F 16	9 25 25	23°19'33	14♒15	10° 7	29°46	26°39	5°48	17°33	2°35	7°40	15°46	2° 0	1°40	12°51	n.a.	F 16
S 17	9 29 22	24°19'07	28°54	9°32	1♓ 0	27° 4	5°41	17°37	2°38	7°40	15°44	1°48	1°37	12°57	n.a.	S 17
S 18	9 33 18	25°18'39	13♓44	9° 2	2°15	27°30	5°33	17°41	2°41	7°41	15°43	1°37	1°34	13° 4	n.a.	S 18
M19	9 37 15	26°18'09	28°37	8°39	3°29	27°55	5°26	17°45	2°44	7°42	15°41	1°27	1°30	13°11	n.a.	M19
T 20	9 41 11	27°17'37	13♈25	8°21	4°44	28°21	5°18	17°48	2°47	7°43	15°40	1°19	1°27	13°18	n.a.	T 20
W21	9 45 8	28°17'02	28° 0	8°10	5°58	28°47	5°11	17°52	2°50	7°44	15°38	1°15	1°24	13°24	n.a.	W21
T 22	9 49 4	29°16'25	12♉19	8°D 5	7°13	29°14	5° 3	17°56	2°53	7°45	15°36	1°12	1°21	13°31	n.a.	T 22
F 23	9 53 1	0♓15'45	26°19	8° 5	8°27	29°40	4°55	18° 0	2°56	7°46	15°35	1°12	1°18	13°38	n.a.	F 23
S 24	9 56 58	1°15'03	10♊ 0	8°12	9°42	0♊ 7	4°47	18° 3	2°59	7°47	15°33	1°12	1°15	13°44	n.a.	S 24
S 25	10 0 54	2°14'19	23°25	8°23	10°56	0°34	4°40	18° 7	3° 2	7°49	15°32	1°11	1°11	13°51	n.a.	S 25
M26	10 4 51	3°13'32	6♋34	8°40	12°10	1° 1	4°32	18°10	3° 5	7°50	15°30	1° 8	1° 8	13°58	n.a.	M26
T 27	10 8 47	4°12'43	19°30	9° 2	13°25	1°28	4°24	18°13	3° 8	7°51	15°28	1° 2	1° 5	14° 4	n.a.	T 27
W28	10 12 44	5♓11'51	2♌15	9♒28	14♓39	1♊56	4♍17	18♐16	3♈11	7♉52	15♍27	0♊53	1♊ 2	14♎11	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s23	23n24	4n28	11s32	3n 4	19s 0	1s24	20n22	2n15	10n23	1n39	22s 7	0n54	0n12	0s39	12n27	1s50	21n40	17n38	21n 7	20n54	0s47		n.a.
F 2	18 7	20 7	4 52	11 27	3 16	18 39	1 24	20 27	2 15	10 26	1 39	22 8	0 54	0 13	0 38	12 27	1 50	21 41	17 38	21 5	20 54	0 50		n.a.
S 3	17 51	16 0	5 2	11 25	3 26	18 18	1 25	20 33	2 15	10 28	1 39	22 8	0 54	0 13	0 38	12 28	1 50	21 42	17 39	21 2	20 53	0 53		n.a.
S 4	17 35	11 17	4 57	11 28	3 35	17 56	1 25	20 38	2 14	10 31	1 39	22 9	0 54	0 14	0 38	12 28	1 49	21 43	17 39	21 0	20 52	0 56		n.a.
M 5	17 18	6 13	4 40	11 34	3 41	17 34	1 25	20 43	2 14	10 33	1 40	22 9	0 54	0 16	0 38	12 28	1 49	21 44	17 39	20 58	20 52	0 59		n.a.
T 6	17 0	0 58	4 10	11 44	3 46	17 11	1 26	20 49	2 13	10 36	1 40	22 10	0 54	0 17	0 38	12 28	1 49	21 45	17 40	20 56	20 51	1 3		n.a.
W 7	16 43	4s17	3 29	11 57	3 49	16 48	1 26	20 54	2 13	10 39	1 40	22 10	0 54	0 18	0 38	12 29	1 49	21 46	17 40	20 55	20 50	1 6		n.a.
T 8	16 25	9 23	2 40	12 13	3 50	16 24	1 26	21 0	2 13	10 41	1 40	22 11	0 54	0 19	0 38	12 29	1 49	21 46	17 40	20 55	20 50	1 9		n.a.
F 9	16 7	14 11	1 43	12 32	3 49	16 0	1 26	21 5	2 12	10 44	1 40	22 11	0 54	0 20	0 38	12 29	1 49	21 47	17 41	20 54	20 49	1 12		n.a.
S 10	15 49	18 30	0 41	12 52	3 45	15 36	1 26	21 11	2 12	10 47	1 40	22 11	0 54	0 21	0 38	12 29	1 49	21 48	17 41	20 55	20 48	1 15		n.a.
S 11	15 31	22 8	0s24	13 14	3 40	15 11	1 26	21 16	2 11	10 49	1 41	22 12	0 54	0 22	0 38	12 30	1 49	21 49	17 41	20 55	20 48	1 18		n.a.
M12	15 12	24 48	1 29	13 37	3 33	14 45	1 25	21 22	2 11	10 52	1 41	22 12	0 54	0 23	0 38	12 30	1 49	21 50	17 42	20 54	20 47	1 21		n.a.
T 13	14 53	26 14	2 32	14 1	3 25	14 20	1 25	21 27	2 10	10 55	1 41	22 13	0 54	0 24	0 38	12 30	1 49	21 51	17 42	20 54	20 47	1 25		n.a.
W14	14 34	26 12	3 29	14 24	3 15	13 53	1 25	21 33	2 10	10 58	1 41	22 13	0 54	0 25	0 38	12 31	1 49	21 52	17 42	20 53	20 46	1 28		n.a.
T 15	14 14	24 33	4 15	14 48	3 3	13 27	1 25	21 38	2 10	11 1	1 41	22 14	0 54	0 26	0 38	12 31	1 49	21 52	17 42	20 51	20 45	1 31		n.a.
F 16	13 54	21 18	4 46	15 11	2 51	13 0	1 24	21 44	2 9	11 4	1 41	22 14	0 54	0 28	0 38	12 31	1 49	21 53	17 43	20 49	20 45	1 34		n.a.
S 17	13 34	16 40	5 0	15 33	2 38	12 33	1 24	21 49	2 9	11 6	1 41	22 14	0 54	0 29	0 38	12 32	1 49	21 54	17 43	20 46	20 44	1 37		n.a.
S 18	13 14	10 59	4 54	15 54	2 24	12 5	1 23	21 55	2 8	11 9	1 41	22 15	0 54	0 30	0 38	12 32	1 49	21 55	17 43	20 44	20 43	1 40		n.a.
M19	12 54	4 38	4 28	16 13	2 10	11 38	1 22	22 1	2 8	11 12	1 42	22 15	0 54	0 31	0 38	12 32	1 48	21 56	17 43	20 42	20 43	1 44		n.a.
T 20	12 33	1n56	3 44	16 32	1 56	11 9	1 22	22 6	2 7	11 15	1 42	22 15	0 54	0 32	0 38	12 33	1 48	21 57	17 44	20 40	20 42	1 47		n.a.
W21	12 13	8 19	2 46	16 49	1 41	10 41	1 21	22 12	2 7	11 18	1 42	22 16	0 54	0 33	0 38	12 33	1 48	21 57	17 44	20 39	20 41	1 50		n.a.
T 22	11 52	14 10	1 38	17 4	1 27	10 12	1 20	22 17	2 7	11 21	1 42	22 16	0 55	0 35	0 38	12 33	1 48	21 58	17 44	20 39	20 41	1 53		n.a.
F 23	11 31	19 9	0 26	17 18	1 12	9 43	1 19	22 22	2 6	11 24	1 42	22 16	0 55	0 36	0 38	12 34	1 48	21 59	17 44	20 39	20 40	1 56		n.a.
S 24	11 10	22 59	0n46	17 30	0 58	9 14	1 18	22 28	2 6	11 27	1 42	22 17	0 55	0 37	0 38	12 34	1 48	22 0	17 44	20 39	20 39	1 59		n.a.
S 25	10 48	25 28	1 54	17 41	0 44	8 45	1 17	22 33	2 5	11 30	1 42	22 17	0 55	0 38	0 38	12 35	1 48	22 1	17 45	20 39	20 39	2 2		n.a.
M26	10 27	26 29	2 55	17 49	0 30	8 15	1 16	22 39	2 5	11 33	1 42	22 17	0 55	0 40	0 38	12 35	1 48	22 1	17 45	20 38	20 38	2 6		n.a.
T 27	10 5	26 0	3 45	17 56	0 17	7 45	1 15	22 44	2 4	11 36	1 42	22 18	0 55	0 41	0 38	12 36	1 48	22 2	17 45	20 37	20 37	2 9		n.a.
W28	9s43	24n10	4n24	18s 2	0n 4	7s15	1s14	22n49	2n 4	11n38	1n42	22s18	0n55	0n42	0s38	12n36	1s48	22n 3	17n45	20n35	20n37	2s12		n.a.

Julian Day Number = 1630141.5, Delta T = 03h42m23s
Ecliptic obliquity = 23°43'36, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°31'14, Lahiri = - 7°24'13 Julian Calendar 1 Feb. 250 BCE == Greg. Calendar 28 Jan. 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

MARCH 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 16 40	6♓10'57	14♌49	9♒59	15♓53	2♊24	4°R 9	18♐20	3♈14	7♉53	15°R25	0°R42	0♊59	14♎18	n.a.	T 1
F 2	10 20 37	7°10'01	27°13	10°35	17° 7	2°51	4♍ 1	18°23	3°17	7°55	15♍23	0♊29	0°56	14°24	n.a.	F 2
S 3	10 24 33	8° 9'03	9♍28	11°14	18°22	3°19	3°53	18°26	3°21	7°56	15°22	0°15	0°52	14°31	n.a.	S 3
S 4	10 28 30	9° 8'02	21°34	11°57	19°36	3°48	3°46	18°28	3°24	7°57	15°20	0° 1	0°49	14°38	n.a.	S 4
M 5	10 32 27	10° 6'59	3♎33	12°43	20°50	4°16	3°38	18°31	3°27	7°59	15°18	29♉49	0°46	14°44	n.a.	M 5
T 6	10 36 23	11° 5'55	15°26	13°33	22° 4	4°45	3°30	18°34	3°30	8° 0	15°17	29°40	0°43	14°51	n.a.	T 6
W 7	10 40 20	12° 4'48	27°15	14°27	23°18	5°13	3°23	18°36	3°33	8° 1	15°15	29°33	0°40	14°58	n.a.	W 7
T 8	10 44 16	13° 3'39	9♏ 3	15°23	24°33	5°42	3°15	18°39	3°37	8° 3	15°13	29°29	0°36	15° 5	n.a.	T 8
F 9	10 48 13	14° 2'29	20°56	16°22	25°47	6°11	3° 8	18°41	3°40	8° 4	15°12	29°27	0°33	15°11	n.a.	F 9
S 10	10 52 9	15° 1'17	2♐57	17°24	27° 1	6°40	3° 0	18°44	3°43	8° 6	15°10	29°D27	0°30	15°18	n.a.	S 10
S 11	10 56 6	16° 0'03	15°11	18°28	28°15	7°10	2°53	18°46	3°47	8° 7	15° 8	29°R27	0°27	15°25	n.a.	S 11
M12	11 0 2	16°58'47	27°45	19°35	29°29	7°39	2°46	18°48	3°50	8° 9	15° 7	29°27	0°24	15°31	n.a.	M12
T 13	11 3 59	17°57'29	10♑42	20°45	0♈43	8° 9	2°38	18°50	3°53	8°10	15° 5	29°25	0°21	15°38	n.a.	T 13
W14	11 7 56	18°56'10	24° 6	21°57	1°57	8°38	2°31	18°52	3°57	8°12	15° 3	29°20	0°17	15°45	n.a.	W14
T 15	11 11 52	19°54'49	8♒ 1	23°11	3°11	9° 8	2°24	18°54	4° 0	8°13	15° 2	29°13	0°14	15°51	n.a.	T 15
F 16	11 15 49	20°53'26	22°24	24°27	4°25	9°38	2°17	18°55	4° 3	8°15	15° 0	29° 5	0°11	15°58	n.a.	F 16
S 17	11 19 45	21°52'01	7♓11	25°45	5°39	10° 9	2°10	18°57	4° 7	8°17	14°58	28°55	0° 8	16° 5	n.a.	S 17
S 18	11 23 42	22°50'34	22°15	27° 5	6°53	10°39	2° 3	18°59	4°10	8°18	14°57	28°45	0° 5	16°11	n.a.	S 18
M19	11 27 38	23°49'05	7♈26	28°27	8° 6	11° 9	1°56	19° 0	4°13	8°20	14°55	28°36	0° 2	16°18	n.a.	M19
T 20	11 31 35	24°47'33	22°34	29°52	9°20	11°40	1°50	19° 2	4°17	8°22	14°53	28°29	29♉58	16°25	n.a.	T 20
W21	11 35 31	25°46'00	7♉29	1♓18	10°34	12°10	1°43	19° 3	4°20	8°24	14°52	28°25	29°55	16°31	n.a.	W21
T 22	11 39 28	26°44'25	22° 4	2°46	11°48	12°41	1°37	19° 4	4°24	8°25	14°50	28°D24	29°52	16°38	n.a.	T 22
F 23	11 43 24	27°42'48	6♊16	4°16	13° 2	13°12	1°30	19° 5	4°27	8°27	14°48	28°24	29°49	16°45	n.a.	F 23
S 24	11 47 21	28°41'08	20° 4	5°47	14°15	13°43	1°24	19° 6	4°31	8°29	14°47	28°24	29°46	16°51	n.a.	S 24
S 25	11 51 18	29°39'26	3♋28	7°21	15°29	14°14	1°18	19° 7	4°34	8°31	14°45	28°R24	29°42	16°58	n.a.	S 25
M26	11 55 14	0♈37'42	16°33	8°56	16°43	14°46	1°12	19° 8	4°37	8°33	14°44	28°23	29°39	17° 5	n.a.	M26
T 27	11 59 11	1°35'56	29°20	10°33	17°56	15°17	1° 6	19° 8	4°41	8°34	14°42	28°20	29°36	17°12	n.a.	T 27
W28	12 3 7	2°34'07	11♌52	12°11	19°10	15°48	1° 0	19° 9	4°44	8°36	14°40	28°14	29°33	17°18	n.a.	W28
T 29	12 7 4	3°32'17	24°13	13°52	20°24	16°20	0°55	19° 9	4°48	8°38	14°39	28° 6	29°30	17°25	n.a.	T 29
F 30	12 11 0	4°30'24	6♍24	15°34	21°37	16°52	0°49	19°10	4°51	8°40	14°37	27°57	29°27	17°32	n.a.	F 30
S 31	12 14 57	5♈28'30	18♍27	17♓18	22♈51	17♊23	0♍44	19♐10	4♈55	8♉42	14♍36	27♉47	29♉23	17♎38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	9s21	21n10	4n49	18s 5	0s 8	6s45	1s13	22n54	2n 3	11n41	1n42	22s18	0n55	0n43	0s38	12n36	1s48	22n 4	17n45	20n33	20n36	2s15			n.a.
F 2	8 59	17 15	4 59	18 7	0 20	6 15	1 12	22 59	2 3	11 44	1 42	22 18	0 55	0 45	0 38	12 37	1 48	22 4	17 45	20 30	20 35	2 18			n.a.
S 3	8 37	12 40	4 56	18 7	0 32	5 44	1 10	23 5	2 3	11 47	1 42	22 19	0 55	0 46	0 38	12 37	1 48	22 5	17 45	20 27	20 35	2 21			n.a.
S 4	8 14	7 39	4 39	18 6	0 43	5 13	1 9	23 10	2 2	11 50	1 42	22 19	0 55	0 47	0 38	12 38	1 48	22 6	17 45	20 24	20 34	2 25			n.a.
M 5	7 52	2 24	4 10	18 3	0 53	4 42	1 7	23 15	2 2	11 53	1 42	22 19	0 55	0 49	0 38	12 38	1 48	22 7	17 46	20 21	20 33	2 28			n.a.
T 6	7 29	2s55	3 31	17 58	1 3	4 11	1 6	23 20	2 1	11 56	1 42	22 19	0 55	0 50	0 38	12 39	1 48	22 7	17 46	20 19	20 33	2 31			n.a.
W 7	7 7	8 6	2 42	17 51	1 13	3 40	1 4	23 24	2 1	11 58	1 42	22 19	0 55	0 51	0 38	12 39	1 48	22 8	17 46	20 18	20 32	2 34			n.a.
T 8	6 44	13 1	1 46	17 43	1 22	3 9	1 3	23 29	2 0	12 1	1 42	22 20	0 55	0 53	0 38	12 40	1 47	22 9	17 46	20 17	20 31	2 37			n.a.
F 9	6 21	17 29	0 45	17 33	1 30	2 38	1 1	23 34	2 0	12 4	1 42	22 20	0 55	0 54	0 38	12 40	1 47	22 10	17 46	20 17	20 31	2 40			n.a.
S 10	5 58	21 18	0s19	17 21	1 38	2 7	0 59	23 39	1 59	12 7	1 42	22 20	0 55	0 55	0 38	12 41	1 47	22 10	17 46	20 16	20 30	2 44			n.a.
S 11	5 35	24 16	1 23	17 8	1 45	1 35	0 58	23 43	1 59	12 9	1 42	22 20	0 55	0 57	0 38	12 41	1 47	22 11	17 46	20 17	20 29	2 47			n.a.
M12	5 12	26 7	2 24	16 53	1 52	1 4	0 56	23 48	1 59	12 12	1 42	22 20	0 55	0 58	0 38	12 42	1 47	22 12	17 46	20 16	20 29	2 50			n.a.
T 13	4 49	26 37	3 21	16 37	1 58	0 32	0 54	23 52	1 58	12 14	1 42	22 20	0 55	0 59	0 38	12 43	1 47	22 12	17 46	20 16	20 28	2 53			n.a.
W14	4 26	25 37	4 8	16 19	2 4	0 1	0 52	23 57	1 58	12 17	1 42	22 21	0 55	1 1	0 38	12 43	1 47	22 13	17 46	20 15	20 27	2 56			n.a.
T 15	4 2	23 1	4 42	15 59	2 9	0n31	0 50	24 1	1 57	12 20	1 42	22 21	0 55	1 2	0 38	12 44	1 47	22 14	17 46	20 14	20 27	2 59			n.a.
F 16	3 39	18 56	5 1	15 38	2 14	1 2	0 48	24 5	1 57	12 22	1 42	22 21	0 55	1 3	0 38	12 44	1 47	22 14	17 46	20 12	20 26	3 3			n.a.
S 17	3 16	13 36	5 0	15 15	2 18	1 34	0 46	24 9	1 56	12 25	1 42	22 21	0 55	1 5	0 38	12 45	1 47	22 15	17 46	20 9	20 25	3 6			n.a.
S 18	2 52	7 21	4 38	14 50	2 21	2 5	0 44	24 13	1 56	12 27	1 42	22 21	0 55	1 6	0 38	12 45	1 47	22 16	17 46	20 7	20 25	3 9			n.a.
M19	2 29	0 38	3 57	14 24	2 24	2 37	0 42	24 17	1 55	12 29	1 42	22 21	0 55	1 8	0 38	12 46	1 47	22 16	17 46	20 5	20 24	3 12			n.a.
T 20	2 6	6n 7	2 59	13 56	2 27	3 8	0 40	24 21	1 55	12 32	1 41	22 21	0 55	1 9	0 38	12 47	1 47	22 17	17 45	20 4	20 23	3 15			n.a.
W21	1 42	12 27	1 49	13 27	2 29	3 39	0 38	24 25	1 55	12 34	1 41	22 21	0 55	1 10	0 38	12 47	1 47	22 17	17 45	20 3	20 23	3 18			n.a.
T 22	1 19	17 58	0 34	12 56	2 30	4 11	0 35	24 29	1 54	12 36	1 41	22 22	0 55	1 12	0 38	12 48	1 47	22 18	17 45	20 2	20 22	3 22			n.a.
F 23	0 55	22 18	0n42	12 24	2 31	4 42	0 33	24 32	1 54	12 38	1 41	22 22	0 55	1 13	0 38	12 48	1 47	22 18	17 45	20 2	20 21	3 25			n.a.
S 24	0 32	25 14	1 53	11 50	2 31	5 13	0 31	24 36	1 53	12 40	1 41	22 22	0 55	1 14	0 37	12 49	1 47	22 19	17 45	20 3	20 21	3 28			n.a.
S 25	0 8	26 37	2 56	11 15	2 31	5 44	0 29	24 39	1 53	12 43	1 41	22 22	0 55	1 16	0 37	12 50	1 47	22 20	17 45	20 3	20 20	3 31			n.a.
M26	0n15	26 28	3 48	10 38	2 30	6 14	0 26	24 42	1 52	12 45	1 41	22 22	0 55	1 17	0 37	12 50	1 47	22 20	17 45	20 2	20 19	3 34			n.a.
T 27	0 39	24 53	4 27	9 59	2 29	6 45	0 24	24 45	1 52	12 47	1 41	22 22	0 55	1 19	0 37	12 51	1 47	22 21	17 45	20 2	20 18	3 37			n.a.
W28	1 2	22 7	4 53	9 19	2 27	7 16	0 22	24 48	1 51	12 49	1 40	22 22	0 55	1 20	0 37	12 52	1 47	22 21	17 44	20 0	20 18	3 41			n.a.
T 29	1 25	18 23	5 5	8 38	2 24	7 46	0 19	24 51	1 51	12 50	1 40	22 22	0 55	1 21	0 37	12 52	1 46	22 21	17 44	19 59	20 17	3 44			n.a.
F 30	1 49	13 56	5 2	7 55	2 21	8 16	0 17	24 54	1 51	12 52	1 40	22 22	0 55	1 23	0 37	12 53	1 46	22 22	17 44	19 56	20 16	3 47			n.a.
S 31	2n12	9n 0	4n46	7s11	2s18	8n46	0s14	24n57	1n50	12n54	1n40	22s22	0n55	1n24	0s37	12n54	1s46	22n22	17n44	19n54	20n16	3s50			n.a.

Julian Day Number = 1630169.5, Delta T = 03h42m22s
Ecliptic obliquity = 23°43'37, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°31'10, Lahiri = - 7°24'09 Julian Calendar 1 March 250 BCE == Greg. Calendar 25 Feb. 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

APRIL 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 18 53	6♈26'33	0♎25	19♓ 4	24♈ 4	17♊55	0°R39	19♐10	4♈58	8♉44	14°R34	27°R37	29♉20	17♎45	n.a.	S 1
M 2	12 22 50	7°24'35	12°18	20°52	25°18	18°27	0♍34	19°10	5° 1	8°46	14♍33	27♉29	29°17	17°52	n.a.	M 2
T 3	12 26 47	8°22'35	24° 8	22°42	26°31	18°59	0°29	19°R10	5° 5	8°48	14°31	27°22	29°14	17°58	n.a.	T 3
W 4	12 30 43	9°20'34	5♏57	24°33	27°45	19°31	0°24	19°10	5° 8	8°50	14°30	27°17	29°11	18° 5	n.a.	W 4
T 5	12 34 40	10°18'31	17°47	26°26	28°58	20° 4	0°20	19°10	5°12	8°52	14°28	27°15	29° 7	18°12	n.a.	T 5
F 6	12 38 36	11°16'26	29°42	28°21	0♉11	20°36	0°15	19°10	5°15	8°54	14°27	27°D14	29° 4	18°18	n.a.	F 6
S 7	12 42 33	12°14'20	11♐46	0♈17	1°25	21° 8	0°11	19°10	5°19	8°56	14°25	27°15	29° 1	18°25	n.a.	S 7
S 8	12 46 29	13°12'13	24° 2	2°16	2°38	21°41	0° 7	19° 9	5°22	8°58	14°24	27°17	28°58	18°32	n.a.	S 8
M 9	12 50 26	14°10'04	6♋35	4°16	3°51	22°13	0° 3	19° 9	5°25	9° 0	14°22	27°18	28°55	18°38	n.a.	M 9
T 10	12 54 22	15° 7'54	19°29	6°18	5° 5	22°46	29♌59	19° 8	5°29	9° 2	14°21	27°R18	28°52	18°45	n.a.	T 10
W11	12 58 19	16° 5'43	2♒48	8°21	6°18	23°19	29°55	19° 7	5°32	9° 4	14°20	27°17	28°48	18°52	n.a.	W11
T 12	13 2 16	17° 3'30	16°36	10°26	7°31	23°52	29°52	19° 6	5°36	9° 6	14°18	27°14	28°45	18°58	n.a.	T 12
F 13	13 6 12	18° 1'16	0♓51	12°33	8°44	24°25	29°49	19° 5	5°39	9° 8	14°17	27° 9	28°42	19° 5	n.a.	F 13
S 14	13 10 9	18°59'01	15°33	14°40	9°57	24°58	29°46	19° 4	5°42	9°11	14°16	27° 4	28°39	19°12	n.a.	S 14
S 15	13 14 5	19°56'44	0♈34	16°49	11°10	25°31	29°43	19° 3	5°46	9°13	14°14	26°58	28°36	19°18	n.a.	S 15
M16	13 18 2	20°54'26	15°47	18°59	12°24	26° 4	29°40	19° 2	5°49	9°15	14°13	26°54	28°33	19°25	n.a.	M16
T 17	13 21 58	21°52'07	1♉ 1	21° 9	13°37	26°37	29°37	19° 1	5°53	9°17	14°12	26°50	28°29	19°32	n.a.	T 17
W18	13 25 55	22°49'46	16° 6	23°20	14°50	27°11	29°35	18°59	5°56	9°19	14°11	26°48	28°26	19°38	n.a.	W18
T 19	13 29 51	23°47'24	0♊54	25°31	16° 3	27°44	29°33	18°58	5°59	9°21	14° 9	26°D48	28°23	19°45	n.a.	T 19
F 20	13 33 48	24°45'00	15°19	27°42	17°16	28°17	29°31	18°56	6° 3	9°24	14° 8	26°49	28°20	19°52	n.a.	F 20
S 21	13 37 45	25°42'35	29°18	29°53	18°29	28°51	29°29	18°54	6° 6	9°26	14° 7	26°50	28°17	19°58	n.a.	S 21
S 22	13 41 41	26°40'09	12♋50	2♉ 3	19°42	29°25	29°27	18°53	6° 9	9°28	14° 6	26°51	28°13	20° 5	n.a.	S 22
M23	13 45 38	27°37'40	25°58	4°13	20°54	29°58	29°26	18°51	6°12	9°30	14° 5	26°R52	28°10	20°12	n.a.	M23
T 24	13 49 34	28°35'10	8♌45	6°21	22° 7	0♋32	29°24	18°49	6°16	9°32	14° 4	26°52	28° 7	20°19	n.a.	T 24
W25	13 53 31	29°32'39	21°13	8°28	23°20	1° 6	29°23	18°47	6°19	9°35	14° 3	26°50	28° 4	20°25	n.a.	W25
T 26	13 57 27	0♉30'06	3♍27	10°33	24°33	1°40	29°22	18°45	6°22	9°37	14° 2	26°47	28° 1	20°32	n.a.	T 26
F 27	14 1 24	1°27'32	15°31	12°37	25°46	2°14	29°22	18°42	6°25	9°39	14° 1	26°44	27°58	20°39	n.a.	F 27
S 28	14 5 20	2°24'56	27°27	14°39	26°58	2°48	29°21	18°40	6°28	9°41	14° 0	26°40	27°54	20°45	n.a.	S 28
S 29	14 9 17	3°22'19	9♎19	16°38	28°11	3°22	29°21	18°38	6°32	9°43	13°59	26°36	27°51	20°52	n.a.	S 29
M30	14 13 14	4♉19'42	21♎ 9	18♉35	29♉24	3♋56	29♌20	18♐35	6♈35	9♉46	13♍58	26♉32	27♉48	20♎59	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n35	3n46	4n17	6s25	2s14	9n16	0s12	24n59	1n50	12n56	1n40	22s22	0n55	1n25	0s37	12n54	1s46	22n23	17n44	19n52	20n15	3s53		n.a.
M 2	2 58	1s35	3 38	5 38	2 9	9 45	0 9	25 2	1 49	12 57	1 40	22 22	0 55	1 27	0 37	12 55	1 46	22 23	17 44	19 50	20 14	3 57		n.a.
T 3	3 22	6 51	2 49	4 50	2 4	10 15	0 7	25 4	1 49	12 59	1 39	22 22	0 55	1 28	0 37	12 56	1 46	22 24	17 43	19 48	20 14	4 0		n.a.
W 4	3 45	11 54	1 52	4 0	1 58	10 44	0 4	25 6	1 48	13 0	1 39	22 22	0 55	1 30	0 37	12 56	1 46	22 24	17 43	19 47	20 13	4 3		n.a.
T 5	4 8	16 31	0 51	3 9	1 52	11 13	0 2	25 8	1 48	13 2	1 39	22 22	0 55	1 31	0 37	12 57	1 46	22 24	17 43	19 47	20 12	4 6		n.a.
F 6	4 31	20 33	0s13	2 17	1 46	11 41	0n 1	25 10	1 47	13 3	1 39	22 22	0 55	1 32	0 37	12 58	1 46	22 25	17 43	19 47	20 12	4 9		n.a.
S 7	4 54	23 45	1 18	1 23	1 38	12 10	0 4	25 12	1 47	13 5	1 39	22 22	0 55	1 34	0 37	12 58	1 46	22 25	17 42	19 47	20 11	4 12		n.a.
S 8	5 16	25 55	2 20	0 28	1 31	12 38	0 6	25 14	1 46	13 6	1 38	22 22	0 55	1 35	0 37	12 59	1 46	22 25	17 42	19 47	20 10	4 16		n.a.
M 9	5 39	26 50	3 17	0n27	1 23	13 6	0 9	25 16	1 46	13 7	1 38	22 22	0 55	1 37	0 37	13 0	1 46	22 26	17 42	19 47	20 9	4 19		n.a.
T 10	6 2	26 21	4 6	1 24	1 14	13 33	0 11	25 17	1 46	13 8	1 38	22 22	0 55	1 38	0 37	13 0	1 46	22 26	17 42	19 48	20 9	4 22		n.a.
W11	6 24	24 21	4 43	2 21	1 5	14 0	0 14	25 18	1 45	13 9	1 38	22 22	0 55	1 39	0 37	13 1	1 46	22 26	17 41	19 47	20 8	4 25		n.a.
T 12	6 47	20 53	5 5	3 20	0 56	14 27	0 17	25 20	1 45	13 10	1 38	22 21	0 55	1 41	0 37	13 2	1 46	22 27	17 41	19 47	20 7	4 28		n.a.
F 13	7 9	16 7	5 10	4 18	0 46	14 53	0 19	25 21	1 44	13 11	1 37	22 21	0 55	1 42	0 37	13 2	1 46	22 27	17 41	19 45	20 7	4 31		n.a.
S 14	7 31	10 17	4 55	5 18	0 36	15 19	0 22	25 21	1 44	13 12	1 37	22 21	0 55	1 43	0 37	13 3	1 46	22 27	17 40	19 44	20 6	4 35		n.a.
S 15	7 53	3 44	4 19	6 17	0 26	15 45	0 25	25 22	1 43	13 13	1 37	22 21	0 55	1 45	0 37	13 4	1 46	22 27	17 40	19 43	20 5	4 38		n.a.
M16	8 15	3n 8	3 25	7 17	0 16	16 10	0 27	25 23	1 43	13 14	1 37	22 21	0 55	1 46	0 37	13 5	1 46	22 28	17 40	19 42	20 4	4 41		n.a.
T 17	8 37	9 51	2 16	8 16	0 5	16 35	0 30	25 23	1 42	13 15	1 37	22 21	0 55	1 47	0 37	13 5	1 46	22 28	17 39	19 41	20 4	4 44		n.a.
W18	8 59	15 56	0 58	9 15	0n 6	17 0	0 32	25 24	1 42	13 15	1 36	22 21	0 55	1 49	0 37	13 6	1 46	22 28	17 39	19 41	20 3	4 47		n.a.
T 19	9 20	20 57	0n22	10 14	0 16	17 24	0 35	25 24	1 42	13 16	1 36	22 21	0 55	1 50	0 37	13 7	1 46	22 28	17 39	19 40	20 2	4 50		n.a.
F 20	9 42	24 33	1 40	11 12	0 27	17 47	0 37	25 24	1 41	13 16	1 36	22 21	0 55	1 51	0 37	13 7	1 46	22 28	17 38	19 41	20 2	4 54		n.a.
S 21	10 3	26 32	2 48	12 8	0 37	18 10	0 40	25 24	1 41	13 17	1 36	22 20	0 55	1 53	0 37	13 8	1 46	22 28	17 38	19 41	20 1	4 57		n.a.
S 22	10 24	26 51	3 46	13 4	0 47	18 33	0 43	25 24	1 40	13 17	1 35	22 20	0 55	1 54	0 37	13 9	1 46	22 28	17 37	19 41	20 0	5 0		n.a.
M23	10 45	25 37	4 29	13 58	0 57	18 55	0 45	25 23	1 40	13 17	1 35	22 20	0 55	1 55	0 37	13 10	1 46	22 28	17 37	19 42	19 59	5 3		n.a.
T 24	11 6	23 4	4 58	14 50	1 6	19 17	0 48	25 23	1 39	13 18	1 35	22 20	0 55	1 57	0 37	13 10	1 46	22 29	17 37	19 41	19 59	5 6		n.a.
W25	11 27	19 31	5 12	15 41	1 15	19 38	0 50	25 22	1 39	13 18	1 35	22 20	0 55	1 58	0 37	13 11	1 46	22 29	17 36	19 41	19 58	5 9		n.a.
T 26	11 47	15 11	5 11	16 29	1 24	19 59	0 52	25 21	1 38	13 18	1 34	22 20	0 55	1 59	0 37	13 12	1 46	22 29	17 36	19 40	19 57	5 13		n.a.
F 27	12 7	10 19	4 57	17 16	1 32	20 19	0 55	25 20	1 38	13 18	1 34	22 20	0 55	2 0	0 37	13 12	1 46	22 29	17 35	19 39	19 57	5 16		n.a.
S 28	12 27	5 8	4 30	18 0	1 39	20 39	0 57	25 19	1 38	13 18	1 34	22 19	0 55	2 2	0 38	13 13	1 46	22 29	17 35	19 39	19 56	5 19		n.a.
S 29	12 47	0s12	3 51	18 42	1 46	20 58	1 0	25 18	1 37	13 18	1 34	22 19	0 55	2 3	0 38	13 14	1 46	22 29	17 35	19 38	19 55	5 22		n.a.
M30	13n 7	5s32	3n 2	19n21	1n52	21n16	1n 2	25n17	1n37	13n18	1n33	22s19	0n55	2n 4	0s38	13n15	1s46	22n29	17n34	19n37	19n54	5s25		n.a.

Julian Day Number = 1630200.5, Delta T = 03h42m21s
Ecliptic obliquity = 23°43'37, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°31'06, Lahiri = - 7°24'05 Julian Calendar 1 Apr. 250 BCE == Greg. Calendar 28 March 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

MAY 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 17 10	5♉17'02	2♏59	20♉30	0♊36	4♋30	29°D20	18°R33	6♈38	9♉48	13°R57	26°R30	27♉45	21♎ 5	n.a.	T 1
W 2	14 21 7	6°14'22	14°51	22°22	1°49	5° 5	29♌20	18♐30	6°41	9°50	13♍56	26♉28	27°42	21°12	n.a.	W 2
T 3	14 25 3	7°11'41	26°47	24°12	3° 1	5°39	29°21	18°28	6°44	9°52	13°55	26°D28	27°39	21°19	n.a.	T 3
F 4	14 29 0	8° 9'00	8♐50	25°59	4°14	6°14	29°21	18°25	6°47	9°55	13°54	26°28	27°35	21°25	n.a.	F 4
S 5	14 32 56	9° 6'17	21° 2	27°44	5°26	6°48	29°22	18°22	6°50	9°57	13°54	26°29	27°32	21°32	n.a.	S 5
S 6	14 36 53	10° 3'34	3♑26	29°26	6°39	7°23	29°23	18°19	6°53	9°59	13°53	26°31	27°29	21°39	n.a.	S 6
M 7	14 40 49	11° 0'50	16° 5	1♊ 5	7°51	7°57	29°24	18°16	6°56	10° 1	13°52	26°32	27°26	21°45	n.a.	M 7
T 8	14 44 46	11°58'06	29° 2	2°41	9° 4	8°32	29°25	18°13	6°59	10° 4	13°51	26°33	27°23	21°52	n.a.	T 8
W 9	14 48 43	12°55'21	12♒20	4°15	10°16	9° 7	29°26	18°10	7° 2	10° 6	13°51	26°R33	27°19	21°59	n.a.	W 9
T 10	14 52 39	13°52'36	26° 1	5°46	11°28	9°41	29°28	18° 7	7° 5	10° 8	13°50	26°33	27°16	22° 5	n.a.	T 10
F 11	14 56 36	14°49'50	10♓ 5	7°14	12°41	10°16	29°30	18° 3	7° 8	10°10	13°50	26°32	27°13	22°12	n.a.	F 11
S 12	15 0 32	15°47'04	24°33	8°39	13°53	10°51	29°32	18° 0	7°11	10°13	13°49	26°31	27°10	22°19	n.a.	S 12
S 13	15 4 29	16°44'17	9♈19	10° 1	15° 5	11°26	29°34	17°57	7°14	10°15	13°48	26°30	27° 7	22°25	n.a.	S 13
M14	15 8 25	17°41'30	24°18	11°21	16°17	12° 1	29°36	17°53	7°16	10°17	13°48	26°29	27° 4	22°32	n.a.	M14
T 15	15 12 22	18°38'43	9♉22	12°37	17°29	12°36	29°38	17°50	7°19	10°19	13°47	26°28	27° 0	22°39	n.a.	T 15
W16	15 16 18	19°35'55	24°23	13°51	18°41	13°11	29°41	17°46	7°22	10°21	13°47	26°D28	26°57	22°45	n.a.	W16
T 17	15 20 15	20°33'06	9♊12	15° 1	19°54	13°47	29°44	17°43	7°25	10°24	13°47	26°28	26°54	22°52	n.a.	T 17
F 18	15 24 12	21°30'17	23°42	16° 8	21° 6	14°22	29°47	17°39	7°27	10°26	13°46	26°28	26°51	22°59	n.a.	F 18
S 19	15 28 8	22°27'28	7♋48	17°13	22°18	14°57	29°50	17°35	7°30	10°28	13°46	26°29	26°48	23° 5	n.a.	S 19
S 20	15 32 5	23°24'37	21°28	18°14	23°29	15°33	29°53	17°31	7°33	10°30	13°46	26°29	26°45	23°12	n.a.	S 20
M21	15 36 1	24°21'47	4♌42	19°11	24°41	16° 8	29°57	17°28	7°35	10°33	13°45	26°29	26°41	23°19	n.a.	M21
T 22	15 39 58	25°18'55	17°32	20° 5	25°53	16°44	0♍ 0	17°24	7°38	10°35	13°45	26°29	26°38	23°25	n.a.	T 22
W23	15 43 54	26°16'03	0♍ 2	20°56	27° 5	17°19	0° 4	17°20	7°40	10°37	13°45	26°29	26°35	23°32	n.a.	W23
T 24	15 47 51	27°13'10	12°16	21°43	28°17	17°55	0° 8	17°16	7°43	10°39	13°45	26°29	26°32	23°39	n.a.	T 24
F 25	15 51 47	28°10'17	24°17	22°26	29°29	18°30	0°12	17°12	7°45	10°41	13°44	26°30	26°29	23°45	n.a.	F 25
S 26	15 55 44	29° 7'23	6♎11	23° 5	0♋40	19° 6	0°16	17° 8	7°48	10°43	13°44	26°30	26°25	23°52	n.a.	S 26
S 27	15 59 41	0♊ 4'28	18° 0	23°41	1°52	19°42	0°21	17° 4	7°50	10°46	13°44	26°30	26°22	23°59	n.a.	S 27
M28	16 3 37	1° 1'34	29°50	24°12	3° 3	20°18	0°25	16°59	7°53	10°48	13°44	26°31	26°19	24° 5	n.a.	M28
T 29	16 7 34	1°58'39	11♏42	24°39	4°15	20°54	0°30	16°55	7°55	10°50	13°D44	26°31	26°16	24°12	n.a.	T 29
W30	16 11 30	2°55'44	23°40	25° 1	5°27	21°30	0°35	16°51	7°57	10°52	13°44	26°R31	26°13	24°19	n.a.	W30
T 31	16 15 27	3♊52'49	5♐46	25♊20	6♋38	22♋ 5	0♍40	16♐47	8♈ 0	10♉54	13♍44	26♉31	26♉10	24♎25	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	13n26	10s41	2n 6	19n58	1n57	21n34	1n 4	25n15	1n36	13n18	1n33	22s19	0n55	2n 5	0s38	13n15	1s46	22n29	17n34	19n36	19n54	5s28			n.a.
W 2	13 46	15 28	1 4	20 33	2 2	21 52	1 7	25 13	1 36	13 17	1 33	22 19	0 55	2 7	0 38	13 16	1 46	22 29	17 33	19 36	19 53	5 32			n.a.
T 3	14 5	19 42	0s 2	21 5	2 6	22 8	1 9	25 11	1 35	13 17	1 33	22 18	0 55	2 8	0 38	13 17	1 46	22 28	17 33	19 36	19 52	5 35			n.a.
F 4	14 24	23 9	1 8	21 34	2 9	22 25	1 11	25 9	1 35	13 17	1 32	22 18	0 55	2 9	0 38	13 18	1 46	22 28	17 32	19 36	19 52	5 38			n.a.
S 5	14 42	25 37	2 12	22 2	2 12	22 40	1 13	25 7	1 34	13 16	1 32	22 18	0 55	2 10	0 38	13 18	1 46	22 28	17 32	19 36	19 51	5 41			n.a.
S 6	15 1	26 51	3 10	22 26	2 14	22 55	1 15	25 5	1 34	13 16	1 32	22 18	0 55	2 11	0 38	13 19	1 46	22 28	17 31	19 36	19 50	5 44			n.a.
M 7	15 19	26 44	4 1	22 49	2 15	23 9	1 17	25 2	1 33	13 15	1 32	22 17	0 55	2 13	0 38	13 20	1 46	22 28	17 31	19 37	19 49	5 48			n.a.
T 8	15 37	25 11	4 41	23 9	2 15	23 23	1 19	25 0	1 33	13 14	1 31	22 17	0 55	2 14	0 38	13 20	1 46	22 28	17 30	19 37	19 49	5 51			n.a.
W 9	15 54	22 12	5 7	23 27	2 14	23 36	1 21	24 57	1 33	13 14	1 31	22 17	0 55	2 15	0 38	13 21	1 46	22 28	17 30	19 37	19 48	5 54			n.a.
T 10	16 12	17 57	5 17	23 42	2 13	23 48	1 23	24 54	1 32	13 13	1 31	22 17	0 55	2 16	0 38	13 22	1 46	22 27	17 30	19 37	19 47	5 57			n.a.
F 11	16 29	12 37	5 8	23 56	2 11	24 0	1 25	24 51	1 32	13 12	1 31	22 16	0 55	2 17	0 38	13 23	1 46	22 27	17 29	19 37	19 46	6 0			n.a.
S 12	16 46	6 28	4 40	24 7	2 8	24 11	1 27	24 47	1 31	13 11	1 30	22 16	0 55	2 18	0 38	13 23	1 46	22 27	17 29	19 37	19 46	6 3			n.a.
S 13	17 2	0n10	3 53	24 17	2 5	24 21	1 29	24 44	1 31	13 10	1 30	22 16	0 55	2 20	0 38	13 24	1 46	22 27	17 28	19 36	19 45	6 7			n.a.
M14	17 19	6 55	2 49	24 24	2 1	24 31	1 31	24 40	1 30	13 9	1 30	22 16	0 55	2 21	0 38	13 25	1 46	22 27	17 28	19 36	19 44	6 10			n.a.
T 15	17 35	13 19	1 33	24 30	1 56	24 40	1 32	24 37	1 30	13 8	1 30	22 15	0 55	2 22	0 38	13 25	1 46	22 26	17 27	19 36	19 43	6 13			n.a.
W16	17 51	18 54	0 12	24 34	1 50	24 48	1 34	24 33	1 29	13 7	1 29	22 15	0 55	2 23	0 38	13 26	1 46	22 26	17 26	19 36	19 43	6 16			n.a.
T 17	18 6	23 15	1n10	24 36	1 44	24 55	1 36	24 29	1 29	13 6	1 29	22 15	0 55	2 24	0 38	13 27	1 46	22 26	17 26	19 36	19 42	6 19			n.a.
F 18	18 21	26 0	2 25	24 36	1 37	25 2	1 37	24 24	1 28	13 4	1 29	22 14	0 55	2 25	0 38	13 27	1 46	22 25	17 25	19 36	19 41	6 22			n.a.
S 19	18 36	26 59	3 30	24 35	1 29	25 8	1 38	24 20	1 28	13 3	1 29	22 14	0 55	2 26	0 38	13 28	1 46	22 25	17 25	19 36	19 40	6 26			n.a.
S 20	18 51	26 16	4 20	24 32	1 21	25 14	1 40	24 15	1 28	13 1	1 28	22 14	0 55	2 27	0 38	13 29	1 46	22 25	17 24	19 36	19 40	6 29			n.a.
M21	19 5	24 5	4 55	24 28	1 12	25 18	1 41	24 11	1 27	13 0	1 28	22 13	0 54	2 28	0 38	13 29	1 46	22 24	17 24	19 36	19 39	6 32			n.a.
T 22	19 19	20 44	5 14	24 23	1 2	25 22	1 42	24 6	1 27	12 58	1 28	22 13	0 54	2 29	0 38	13 30	1 46	22 24	17 23	19 36	19 38	6 35			n.a.
W23	19 33	16 31	5 17	24 16	0 52	25 25	1 44	24 1	1 26	12 57	1 28	22 13	0 54	2 30	0 38	13 31	1 46	22 23	17 23	19 36	19 37	6 38			n.a.
T 24	19 46	11 44	5 6	24 8	0 41	25 28	1 45	23 56	1 26	12 55	1 27	22 12	0 54	2 31	0 38	13 32	1 46	22 23	17 22	19 36	19 37	6 41			n.a.
F 25	19 59	6 35	4 41	23 59	0 29	25 29	1 46	23 50	1 25	12 54	1 27	22 12	0 54	2 32	0 38	13 32	1 46	22 23	17 22	19 36	19 36	6 44			n.a.
S 26	20 12	1 15	4 5	23 49	0 17	25 30	1 47	23 45	1 25	12 52	1 27	22 12	0 54	2 33	0 38	13 33	1 46	22 22	17 21	19 36	19 35	6 48			n.a.
S 27	20 25	4s 6	3 18	23 38	0 4	25 30	1 48	23 39	1 24	12 50	1 27	22 11	0 54	2 34	0 38	13 33	1 46	22 22	17 21	19 36	19 34	6 51			n.a.
M28	20 37	9 19	2 23	23 26	0s 9	25 30	1 48	23 33	1 24	12 48	1 26	22 11	0 54	2 35	0 38	13 34	1 46	22 21	17 20	19 36	19 34	6 54			n.a.
T 29	20 48	14 14	1 21	23 14	0 23	25 29	1 49	23 27	1 23	12 46	1 26	22 11	0 54	2 36	0 38	13 35	1 46	22 21	17 20	19 37	19 33	6 57			n.a.
W30	21 0	18 39	0 16	23 0	0 38	25 27	1 50	23 21	1 23	12 44	1 26	22 10	0 54	2 37	0 38	13 35	1 46	22 20	17 19	19 37	19 32	7 0			n.a.
T 31	21n11	22s22	0s51	22n46	0s52	25n24	1n50	23n15	1n22	12n42	1n26	22s10	0n54	2n38	0s38	13n36	1s46	22n20	17n18	19n37	19n31	7s 3			n.a.

Julian Day Number = 1630230.5, Delta T = 03h42m20s
Ecliptic obliquity = 23°43'37, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°31'01, Lahiri = - 7°24'01 Julian Calendar 1 May 250 BCE == Greg. Calendar 27 Apr. 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

JUNE 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 19 23	4♊49'54	18♐ 1	25♊33	7♋49	22♋42	0♍45	16°R43	8♈ 2	10♉56	13♍44	26°R31	26♉ 6	24♎32	n.a.	F 1
S 2	16 23 20	5°47'00	0♑28	25°43	9° 1	23°18	0°50	16♐38	8° 4	10°58	13°44	26♉30	26° 3	24°39	n.a.	S 2
S 3	16 27 17	6°44'05	13° 8	25°R47	10°12	23°54	0°56	16°34	8° 6	11° 0	13°45	26°28	26° 0	24°45	n.a.	S 3
M 4	16 31 13	7°41'10	26° 1	25°47	11°23	24°30	1° 1	16°30	8° 8	11° 2	13°45	26°27	25°57	24°52	n.a.	M 4
T 5	16 35 10	8°38'16	9♒10	25°42	12°34	25° 6	1° 7	16°25	8°10	11° 4	13°45	26°26	25°54	24°59	n.a.	T 5
W 6	16 39 6	9°35'23	22°34	25°33	13°46	25°42	1°13	16°21	8°12	11° 6	13°45	26°25	25°50	25° 5	n.a.	W 6
T 7	16 43 3	10°32'29	6♓15	25°19	14°57	26°19	1°19	16°17	8°14	11° 8	13°45	26°D24	25°47	25°12	n.a.	T 7
F 8	16 46 59	11°29'36	20°12	25° 1	16° 8	26°55	1°25	16°12	8°16	11°10	13°46	26°24	25°44	25°19	n.a.	F 8
S 9	16 50 56	12°26'44	4♈26	24°38	17°19	27°32	1°32	16° 8	8°18	11°12	13°46	26°25	25°41	25°25	n.a.	S 9
S 10	16 54 52	13°23'52	18°53	24°12	18°30	28° 8	1°38	16° 4	8°20	11°14	13°46	26°26	25°38	25°32	n.a.	S 10
M11	16 58 49	14°21'01	3♉31	23°42	19°40	28°45	1°45	15°59	8°22	11°16	13°47	26°27	25°35	25°39	n.a.	M11
T 12	17 2 46	15°18'11	18°14	23° 9	20°51	29°21	1°52	15°55	8°24	11°18	13°47	26°28	25°31	25°45	n.a.	T 12
W13	17 6 42	16°15'21	2♊57	22°34	22° 2	29°58	1°58	15°50	8°26	11°20	13°48	26°R28	25°28	25°52	n.a.	W13
T 14	17 10 39	17°12'31	17°32	21°56	23°13	0♌34	2° 5	15°46	8°27	11°22	13°48	26°27	25°25	25°59	n.a.	T 14
F 15	17 14 35	18° 9'43	1♋54	21°17	24°23	1°11	2°13	15°42	8°29	11°24	13°49	26°25	25°22	26° 5	n.a.	F 15
S 16	17 18 32	19° 6'54	15°57	20°38	25°34	1°48	2°20	15°37	8°31	11°26	13°50	26°22	25°19	26°12	n.a.	S 16
S 17	17 22 28	20° 4'06	29°38	19°58	26°45	2°25	2°27	15°33	8°32	11°28	13°50	26°19	25°16	26°19	n.a.	S 17
M18	17 26 25	21° 1'18	12♌54	19°18	27°55	3° 2	2°35	15°28	8°34	11°30	13°51	26°16	25°12	26°25	n.a.	M18
T 19	17 30 22	21°58'31	25°48	18°40	29° 5	3°39	2°43	15°24	8°35	11°31	13°51	26°13	25° 9	26°32	n.a.	T 19
W20	17 34 18	22°55'44	8♍20	18° 4	0♌16	4°16	2°50	15°20	8°37	11°33	13°52	26°11	25° 6	26°39	n.a.	W20
T 21	17 38 15	23°52'57	20°35	17°30	1°26	4°53	2°58	15°15	8°38	11°35	13°53	26°D10	25° 3	26°45	n.a.	T 21
F 22	17 42 11	24°50'10	2♎36	16°59	2°36	5°30	3° 6	15°11	8°39	11°37	13°54	26°10	25° 0	26°52	n.a.	F 22
S 23	17 46 8	25°47'24	14°29	16°33	3°46	6° 7	3°14	15° 7	8°41	11°38	13°55	26°11	24°56	26°59	n.a.	S 23
S 24	17 50 4	26°44'39	26°19	16°10	4°56	6°44	3°23	15° 2	8°42	11°40	13°55	26°13	24°53	27° 5	n.a.	S 24
M25	17 54 1	27°41'54	8♏ 9	15°53	6° 6	7°22	3°31	14°58	8°43	11°42	13°56	26°14	24°50	27°12	n.a.	M25
T 26	17 57 57	28°39'10	20° 5	15°41	7°16	7°59	3°39	14°54	8°44	11°43	13°57	26°15	24°47	27°19	n.a.	T 26
W27	18 1 54	29°36'26	2♐10	15°34	8°26	8°36	3°48	14°50	8°45	11°45	13°58	26°R15	24°44	27°25	n.a.	W27
T 28	18 5 51	0♋33'43	14°27	15°D33	9°36	9°14	3°57	14°45	8°47	11°47	13°59	26°14	24°41	27°32	n.a.	T 28
F 29	18 9 47	1°31'02	26°58	15°37	10°45	9°51	4° 6	14°41	8°48	11°48	14° 0	26°11	24°37	27°39	n.a.	F 29
S 30	18 13 44	2♋28'21	9♑44	15♊48	11♌55	10♌28	4♍14	14♐37	8♈49	11♉50	14♍ 1	26♉ 6	24♉34	27♎45	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n21	25s 7	1s56	22n32	1s 7	25n20	1n51	23n 8	1n22	12n40	1n26	22s10	0n54	2n38	0s38	13n37	1s46	22n19	17n18	19n36	19n31	7s 7		n.a.
S 2	21 32	26 41	2 57	22 17	1 23	25 16	1 51	23 2	1 21	12 38	1 25	22 9	0 54	2 39	0 38	13 37	1 46	22 19	17 17	19 36	19 30	7 10		n.a.
S 3	21 42	26 54	3 50	22 1	1 38	25 11	1 52	22 55	1 21	12 36	1 25	22 9	0 54	2 40	0 38	13 38	1 46	22 18	17 17	19 36	19 29	7 13		n.a.
M 4	21 51	25 40	4 33	21 46	1 54	25 5	1 52	22 48	1 21	12 34	1 25	22 9	0 54	2 41	0 38	13 39	1 46	22 18	17 16	19 36	19 28	7 16		n.a.
T 5	22 0	23 2	5 2	21 30	2 10	24 59	1 52	22 41	1 20	12 31	1 25	22 8	0 54	2 42	0 38	13 39	1 46	22 17	17 16	19 35	19 28	7 19		n.a.
W 6	22 9	19 7	5 16	21 14	2 25	24 52	1 52	22 34	1 20	12 29	1 24	22 8	0 54	2 43	0 38	13 40	1 46	22 16	17 15	19 35	19 27	7 22		n.a.
T 7	22 18	14 8	5 12	20 58	2 40	24 44	1 52	22 26	1 19	12 27	1 24	22 7	0 53	2 43	0 38	13 40	1 46	22 16	17 15	19 35	19 26	7 26		n.a.
F 8	22 26	8 21	4 50	20 43	2 55	24 36	1 52	22 19	1 19	12 24	1 24	22 7	0 53	2 44	0 38	13 41	1 46	22 15	17 14	19 35	19 25	7 29		n.a.
S 9	22 34	2 2	4 9	20 27	3 10	24 26	1 52	22 11	1 18	12 22	1 24	22 7	0 53	2 45	0 38	13 42	1 46	22 14	17 13	19 35	19 25	7 32		n.a.
S 10	22 41	4n31	3 13	20 12	3 24	24 17	1 52	22 3	1 18	12 19	1 24	22 6	0 53	2 46	0 38	13 42	1 46	22 14	17 13	19 35	19 24	7 35		n.a.
M11	22 48	10 54	2 3	19 58	3 37	24 6	1 51	21 55	1 17	12 16	1 23	22 6	0 53	2 46	0 38	13 43	1 46	22 13	17 12	19 36	19 23	7 38		n.a.
T 12	22 54	16 44	0 45	19 44	3 49	23 55	1 51	21 47	1 17	12 14	1 23	22 6	0 53	2 47	0 38	13 43	1 46	22 12	17 12	19 36	19 22	7 41		n.a.
W13	23 0	21 35	0n36	19 31	4 1	23 43	1 50	21 39	1 16	12 11	1 23	22 5	0 53	2 48	0 38	13 44	1 46	22 12	17 11	19 36	19 22	7 44		n.a.
T 14	23 6	25 1	1 54	19 19	4 11	23 30	1 50	21 30	1 16	12 8	1 23	22 5	0 53	2 48	0 38	13 45	1 46	22 11	17 11	19 36	19 21	7 48		n.a.
F 15	23 12	26 46	3 3	19 8	4 19	23 17	1 49	21 21	1 15	12 6	1 22	22 4	0 53	2 49	0 38	13 45	1 46	22 10	17 10	19 35	19 20	7 51		n.a.
S 16	23 16	26 44	4 0	18 58	4 26	23 3	1 48	21 13	1 15	12 3	1 22	22 4	0 53	2 50	0 38	13 46	1 46	22 10	17 10	19 34	19 19	7 54		n.a.
S 17	23 21	25 3	4 41	18 49	4 32	22 49	1 47	21 4	1 14	12 0	1 22	22 4	0 53	2 50	0 38	13 46	1 46	22 9	17 9	19 34	19 18	7 57		n.a.
M18	23 25	22 1	5 6	18 42	4 36	22 34	1 47	20 55	1 14	11 57	1 22	22 3	0 53	2 51	0 38	13 47	1 46	22 8	17 8	19 33	19 18	8 0		n.a.
T 19	23 29	17 59	5 14	18 36	4 39	22 18	1 45	20 46	1 13	11 54	1 22	22 3	0 52	2 51	0 38	13 47	1 46	22 7	17 8	19 32	19 17	8 3		n.a.
W20	23 32	13 17	5 7	18 32	4 40	22 2	1 44	20 36	1 13	11 51	1 21	22 2	0 52	2 52	0 38	13 48	1 46	22 7	17 7	19 32	19 16	8 6		n.a.
T 21	23 35	8 9	4 46	18 30	4 39	21 45	1 43	20 27	1 12	11 48	1 21	22 2	0 52	2 52	0 39	13 48	1 46	22 6	17 7	19 32	19 15	8 10		n.a.
F 22	23 37	2 49	4 13	18 30	4 36	21 28	1 42	20 17	1 12	11 45	1 21	22 2	0 52	2 53	0 39	13 49	1 46	22 5	17 6	19 32	19 15	8 13		n.a.
S 23	23 40	2s34	3 29	18 31	4 32	21 10	1 40	20 7	1 11	11 42	1 21	22 1	0 52	2 53	0 39	13 49	1 46	22 4	17 6	19 32	19 14	8 16		n.a.
S 24	23 41	7 50	2 37	18 35	4 27	20 51	1 39	19 57	1 11	11 38	1 21	22 1	0 52	2 54	0 39	13 50	1 46	22 3	17 5	19 32	19 13	8 19		n.a.
M25	23 42	12 51	1 38	18 40	4 20	20 32	1 37	19 47	1 10	11 35	1 20	22 1	0 52	2 54	0 39	13 50	1 46	22 2	17 5	19 33	19 12	8 22		n.a.
T 26	23 43	17 26	0 34	18 47	4 12	20 13	1 35	19 37	1 10	11 32	1 20	22 0	0 52	2 55	0 39	13 51	1 47	22 2	17 4	19 33	19 11	8 25		n.a.
W27	23 44	21 22	0s32	18 55	4 2	19 52	1 34	19 27	1 10	11 28	1 20	22 0	0 52	2 55	0 39	13 51	1 47	22 1	17 4	19 33	19 11	8 28		n.a.
T 28	23 44	24 26	1 38	19 5	3 52	19 32	1 32	19 16	1 9	11 25	1 20	21 59	0 51	2 56	0 39	13 52	1 47	22 0	17 3	19 33	19 10	8 32		n.a.
F 29	23 43	26 21	2 40	19 17	3 40	19 11	1 30	19 6	1 9	11 22	1 20	21 59	0 51	2 56	0 39	13 52	1 47	21 59	17 3	19 32	19 9	8 35		n.a.
S 30	23n42	26s56	3s35	19n31	3s28	18n49	1n27	18n55	1n 8	11n18	1n20	21s59	0n51	2n56	0s39	13n53	1s47	21n58	17n 2	19n31	19n 8	8s38		n.a.

Julian Day Number = 1630261.5, Delta T = 03h42m19s
Ecliptic obliquity = 23°43'36, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'57, Lahiri = - 7°23'57 Julian Calendar 1 June 250 BCE == Greg. Calendar 28 May 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

JULY 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 17 40	3♋25'41	22♉45	16♊ 6	13♌ 5	11♌ 6	4♍23	14°R33	8♈50	11♉51	14♍ 2	26°R 1	24♉31	27♎52	n.a.	S 1
M 2	18 21 37	4°23'02	6♒ 0	16°29	14°14	11°44	4°33	14♐29	8°50	11°53	14° 3	25♉54	24°28	27°59	n.a.	M 2
T 3	18 25 33	5°20'24	19°28	16°59	15°23	12°21	4°42	14°25	8°51	11°55	14° 4	25°49	24°25	28° 5	n.a.	T 3
W 4	18 29 30	6°17'47	3♓ 9	17°35	16°32	12°59	4°51	14°21	8°52	11°56	14° 6	25°44	24°22	28°12	n.a.	W 4
T 5	18 33 26	7°15'12	16°59	18°18	17°42	13°37	5° 1	14°17	8°53	11°57	14° 7	25°40	24°18	28°19	n.a.	T 5
F 6	18 37 23	8°12'38	0♈58	19° 7	18°51	14°14	5°10	14°14	8°54	11°59	14° 8	25°38	24°15	28°25	n.a.	F 6
S 7	18 41 20	9°10'06	15° 5	20° 2	19°59	14°52	5°20	14°10	8°54	12° 0	14° 9	25°D38	24°12	28°32	n.a.	S 7
S 8	18 45 16	10° 7'35	29°17	21° 2	21° 8	15°30	5°29	14° 6	8°55	12° 2	14°10	25°39	24° 9	28°39	n.a.	S 8
M 9	18 49 13	11° 5'06	13♉34	22° 9	22°17	16° 8	5°39	14° 2	8°55	12° 3	14°12	25°40	24° 6	28°45	n.a.	M 9
T 10	18 53 9	12° 2'38	27°53	23°21	23°26	16°46	5°49	13°59	8°56	12° 4	14°13	25°R41	24° 2	28°52	n.a.	T 10
W11	18 57 6	13° 0'11	12♊11	24°39	24°34	17°24	5°59	13°55	8°56	12° 6	14°14	25°40	23°59	28°59	n.a.	W11
T 12	19 1 2	13°57'47	26°23	26° 2	25°43	18° 2	6° 9	13°52	8°57	12° 7	14°16	25°36	23°56	29° 5	n.a.	T 12
F 13	19 4 59	14°55'23	10♋26	27°30	26°51	18°40	6°19	13°48	8°57	12° 8	14°17	25°31	23°53	29°12	n.a.	F 13
S 14	19 8 55	15°53'01	24°15	29° 3	27°59	19°19	6°30	13°45	8°57	12° 9	14°19	25°24	23°50	29°19	n.a.	S 14
S 15	19 12 52	16°50'41	7♌46	0♋40	29° 7	19°57	6°40	13°41	8°58	12°11	14°20	25°15	23°47	29°25	n.a.	S 15
M16	19 16 49	17°48'21	20°58	2°21	0♍16	20°35	6°51	13°38	8°58	12°12	14°22	25° 6	23°43	29°32	n.a.	M16
T 17	19 20 45	18°46'03	3♍48	4° 6	1°23	21°14	7° 1	13°35	8°58	12°13	14°23	24°58	23°40	29°39	n.a.	T 17
W18	19 24 42	19°43'46	16°20	5°54	2°31	21°52	7°12	13°32	8°58	12°14	14°25	24°52	23°37	29°45	n.a.	W18
T 19	19 28 38	20°41'30	28°34	7°45	3°39	22°30	7°22	13°29	8°58	12°15	14°26	24°47	23°34	29°52	n.a.	T 19
F 20	19 32 35	21°39'15	10♎35	9°38	4°46	23° 9	7°33	13°26	8°R58	12°16	14°28	24°44	23°31	29°58	n.a.	F 20
S 21	19 36 31	22°37'02	22°28	11°33	5°54	23°47	7°44	13°23	8°58	12°17	14°30	24°D44	23°28	0♏ 5	n.a.	S 21
S 22	19 40 28	23°34'50	4♏17	13°30	7° 1	24°26	7°55	13°20	8°58	12°18	14°31	24°44	23°24	0°12	n.a.	S 22
M23	19 44 24	24°32'39	16° 8	15°28	8° 8	25° 5	8° 6	13°17	8°58	12°19	14°33	24°45	23°21	0°18	n.a.	M23
T 24	19 48 21	25°30'30	28° 7	17°27	9°15	25°43	8°17	13°14	8°58	12°20	14°35	24°R45	23°18	0°25	n.a.	T 24
W25	19 52 18	26°28'22	10♐17	19°26	10°22	26°22	8°28	13°12	8°57	12°21	14°36	24°44	23°15	0°32	n.a.	W25
T 26	19 56 14	27°26'15	22°42	21°26	11°29	27° 1	8°39	13° 9	8°57	12°22	14°38	24°40	23°12	0°38	n.a.	T 26
F 27	20 0 11	28°24'10	5♑27	23°26	12°35	27°40	8°50	13° 7	8°57	12°22	14°40	24°35	23° 8	0°45	n.a.	F 27
S 28	20 4 7	29°22'07	18°31	25°25	13°42	28°19	9° 2	13° 4	8°56	12°23	14°42	24°26	23° 5	0°52	n.a.	S 28
S 29	20 8 4	0♌20'05	1♒54	27°24	14°48	28°58	9°13	13° 2	8°56	12°24	14°43	24°16	23° 2	0°58	n.a.	S 29
M30	20 12 0	1°18'05	15°34	29°23	15°54	29°37	9°25	13° 0	8°55	12°25	14°45	24° 6	22°59	1° 5	n.a.	M30
T 31	20 15 57	2♌16'07	29♒29	1♌21	17♍ 0	0♍16	9♍36	12♐58	8♈55	12♉26	14♍47	23♉55	22♉56	1♏12	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n41	26s 3	4s20	19n46	3s15	18n27	1n25	18n44	1n 8	11n15	1n19	21s58	0n51	2n57	0s39	13n53	1s47	21n57	17n 2	19n29	19n 8	8s41			n.a.
M 2	23 39	23 42	4 52	20 2	3 1	18 5	1 23	18 33	1 7	11 11	1 19	21 58	0 51	2 57	0 39	13 53	1 47	21 56	17 1	19 28	19 7	8 44			n.a.
T 3	23 37	20 1	5 8	20 19	2 47	17 42	1 21	18 22	1 7	11 8	1 19	21 58	0 51	2 57	0 39	13 54	1 47	21 55	17 1	19 26	19 6	8 47			n.a.
W 4	23 34	15 14	5 7	20 37	2 32	17 18	1 18	18 10	1 6	11 4	1 19	21 57	0 51	2 58	0 39	13 54	1 47	21 55	17 0	19 25	19 5	8 50			n.a.
T 5	23 32	9 37	4 49	20 55	2 18	16 55	1 16	17 59	1 6	11 0	1 19	21 57	0 51	2 58	0 39	13 55	1 47	21 54	17 0	19 24	19 4	8 54			n.a.
F 6	23 28	3 28	4 13	21 14	2 2	16 30	1 13	17 47	1 5	10 57	1 18	21 57	0 51	2 58	0 39	13 55	1 47	21 53	16 59	19 24	19 4	8 57			n.a.
S 7	23 24	2n55	3 22	21 34	1 47	16 6	1 10	17 36	1 5	10 53	1 18	21 56	0 50	2 58	0 39	13 56	1 47	21 52	16 59	19 24	19 3	9 0			n.a.
S 8	23 20	9 12	2 18	21 53	1 32	15 41	1 7	17 24	1 4	10 49	1 18	21 56	0 50	2 59	0 39	13 56	1 47	21 51	16 58	19 24	19 2	9 3			n.a.
M 9	23 15	15 4	1 5	22 13	1 17	15 16	1 4	17 12	1 4	10 45	1 18	21 56	0 50	2 59	0 39	13 56	1 47	21 50	16 58	19 24	19 1	9 6			n.a.
T 10	23 10	20 7	0n12	22 31	1 2	14 50	1 1	17 0	1 3	10 41	1 18	21 55	0 50	2 59	0 39	13 57	1 47	21 49	16 57	19 25	19 0	9 9			n.a.
W11	23 5	23 59	1 28	22 50	0 47	14 24	0 58	16 48	1 3	10 38	1 18	21 55	0 50	2 59	0 39	13 57	1 47	21 48	16 57	19 24	19 0	9 12			n.a.
T 12	22 59	26 18	2 38	23 7	0 33	13 58	0 55	16 35	1 2	10 34	1 18	21 55	0 50	2 59	0 39	13 57	1 47	21 47	16 56	19 24	18 59	9 15			n.a.
F 13	22 53	26 55	3 37	23 23	0 19	13 31	0 52	16 23	1 2	10 30	1 17	21 55	0 50	2 59	0 39	13 58	1 47	21 46	16 56	19 22	18 58	9 19			n.a.
S 14	22 46	25 50	4 23	23 38	0 6	13 4	0 48	16 10	1 1	10 26	1 17	21 54	0 50	3 0	0 39	13 58	1 47	21 45	16 55	19 20	18 57	9 22			n.a.
S 15	22 39	23 15	4 52	23 51	0n 7	12 37	0 45	15 58	1 1	10 22	1 17	21 54	0 49	3 0	0 39	13 58	1 47	21 44	16 55	19 18	18 57	9 25			n.a.
M16	22 32	19 29	5 5	24 2	0 19	12 9	0 41	15 45	1 0	10 18	1 17	21 54	0 49	3 0	0 39	13 59	1 47	21 43	16 54	19 16	18 56	9 28			n.a.
T 17	22 24	14 55	5 3	24 11	0 31	11 41	0 37	15 32	0 59	10 14	1 17	21 53	0 49	3 0	0 39	13 59	1 47	21 42	16 54	19 14	18 55	9 31			n.a.
W18	22 15	9 50	4 45	24 17	0 42	11 13	0 34	15 19	0 59	10 9	1 17	21 53	0 49	3 0	0 39	13 59	1 47	21 41	16 53	19 13	18 54	9 34			n.a.
T 19	22 7	4 28	4 15	24 21	0 52	10 45	0 30	15 6	0 58	10 5	1 17	21 53	0 49	3 0	0 39	13 59	1 48	21 40	16 53	19 11	18 53	9 37			n.a.
F 20	21 58	0s58	3 34	24 23	1 1	10 17	0 26	14 53	0 58	10 1	1 16	21 53	0 49	3 0	0 39	14 0	1 48	21 39	16 53	19 11	18 52	9 40			n.a.
S 21	21 48	6 19	2 44	24 22	1 9	9 48	0 22	14 39	0 57	9 57	1 16	21 53	0 49	3 0	0 39	14 0	1 48	21 38	16 52	19 11	18 52	9 43			n.a.
S 22	21 38	11 25	1 47	24 18	1 17	9 19	0 18	14 26	0 57	9 53	1 16	21 52	0 48	3 0	0 39	14 0	1 48	21 37	16 52	19 11	18 51	9 47			n.a.
M23	21 28	16 8	0 46	24 12	1 23	8 50	0 14	14 12	0 56	9 48	1 16	21 52	0 48	3 0	0 39	14 1	1 48	21 36	16 51	19 11	18 50	9 50			n.a.
T 24	21 18	20 16	0s18	24 3	1 29	8 20	0 9	13 58	0 56	9 44	1 16	21 52	0 48	2 59	0 39	14 1	1 48	21 35	16 51	19 11	18 49	9 53			n.a.
W25	21 7	23 37	1 22	23 51	1 34	7 51	0 5	13 45	0 55	9 40	1 16	21 52	0 48	2 59	0 39	14 1	1 48	21 34	16 51	19 11	18 48	9 56			n.a.
T 26	20 55	25 55	2 23	23 37	1 38	7 21	0 1	13 31	0 55	9 35	1 16	21 52	0 48	2 59	0 39	14 1	1 48	21 33	16 50	19 10	18 48	9 59			n.a.
F 27	20 44	26 56	3 19	23 20	1 41	6 52	0s 4	13 17	0 54	9 31	1 16	21 51	0 48	2 59	0 40	14 1	1 48	21 32	16 50	19 8	18 47	10 2			n.a.
S 28	20 32	26 29	4 6	23 1	1 44	6 22	0 8	13 2	0 54	9 26	1 15	21 51	0 48	2 59	0 40	14 2	1 48	21 30	16 49	19 6	18 46	10 5			n.a.
S 29	20 19	24 31	4 40	22 39	1 46	5 52	0 13	12 48	0 53	9 22	1 15	21 51	0 47	2 59	0 40	14 2	1 48	21 29	16 49	19 4	18 45	10 8			n.a.
M30	20 7	21 7	4 59	22 16	1 47	5 21	0 18	12 34	0 53	9 18	1 15	21 51	0 47	2 58	0 40	14 2	1 48	21 28	16 49	19 1	18 44	10 11			n.a.
T 31	19n53	16s29	5s 1	21n51	1n47	4n51	0s22	12n20	0n52	9n13	1n15	21s51	0n47	2n58	0s40	14n 2	1s48	21n27	16n48	18n59	18n44	10s14			n.a.

Julian Day Number = 1630291.5, Delta T = 03h42m18s
Ecliptic obliquity = 23°43'36, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'53, Lahiri = - 7°23'53 Julian Calendar 1 July 250 BCE == Greg. Calendar 27 June 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

AUGUST 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 19 53	3♌14'11	13♓33	3♌17	18♍ 5	0♍55	9♍48	12°R56	8°R54	12♉26	14♍49	23°R46	22♉53	1♏18	n.a.	W 1
T 2	20 23 50	4°12'16	27°43	5°13	19°11	1°34	9°59	12♐54	8♈54	12°27	14°51	23♉39	22°49	1°25	n.a.	T 2
F 3	20 27 47	5°10'24	11♈55	7° 8	20°16	2°13	10°11	12°52	8°53	12°27	14°53	23°35	22°46	1°32	n.a.	F 3
S 4	20 31 43	6° 8'34	26° 5	9° 2	21°21	2°52	10°23	12°50	8°52	12°28	14°55	23°33	22°43	1°38	n.a.	S 4
S 5	20 35 40	7° 6'46	10♉13	10°55	22°26	3°32	10°35	12°49	8°52	12°29	14°57	23°D33	22°40	1°45	n.a.	S 5
M 6	20 39 36	8° 5'00	24°17	12°46	23°31	4°11	10°47	12°47	8°51	12°29	14°59	23°R33	22°37	1°52	n.a.	M 6
T 7	20 43 33	9° 3'16	8♊17	14°37	24°35	4°51	10°59	12°45	8°50	12°30	15° 1	23°32	22°34	1°58	n.a.	T 7
W 8	20 47 29	10° 1'35	22°11	16°26	25°40	5°30	11°11	12°44	8°49	12°30	15° 3	23°30	22°30	2° 5	n.a.	W 8
T 9	20 51 26	10°59'56	5♋58	18°14	26°44	6°10	11°23	12°43	8°48	12°30	15° 5	23°24	22°27	2°12	n.a.	T 9
F 10	20 55 22	11°58'19	19°36	20° 1	27°48	6°49	11°35	12°41	8°47	12°31	15° 7	23°16	22°24	2°18	n.a.	F 10
S 11	20 59 19	12°56'44	3♌ 3	21°47	28°52	7°29	11°47	12°40	8°46	12°31	15° 9	23° 5	22°21	2°25	n.a.	S 11
S 12	21 3 16	13°55'10	16°16	23°32	29°55	8° 9	11°59	12°39	8°45	12°31	15°11	22°53	22°18	2°32	n.a.	S 12
M13	21 7 12	14°53'39	29°14	25°16	0♎58	8°48	12°11	12°38	8°44	12°32	15°13	22°40	22°14	2°38	n.a.	M13
T 14	21 11 9	15°52'10	11♍56	26°58	2° 1	9°28	12°24	12°38	8°43	12°32	15°15	22°28	22°11	2°45	n.a.	T 14
W15	21 15 5	16°50'42	24°21	28°39	3° 4	10° 8	12°36	12°37	8°41	12°32	15°18	22°17	22° 8	2°52	n.a.	W15
T 16	21 19 2	17°49'17	6♎31	0♍20	4° 7	10°48	12°48	12°36	8°40	12°32	15°20	22° 9	22° 5	2°58	n.a.	T 16
F 17	21 22 58	18°47'53	18°30	1°59	5° 9	11°28	13° 1	12°36	8°39	12°32	15°22	22° 4	22° 2	3° 5	n.a.	F 17
S 18	21 26 55	19°46'31	0♏21	3°37	6°11	12° 8	13°13	12°35	8°37	12°33	15°24	22° 1	21°59	3°12	n.a.	S 18
S 19	21 30 51	20°45'11	12° 9	5°14	7°12	12°48	13°26	12°35	8°36	12°33	15°26	22° 0	21°55	3°18	n.a.	S 19
M20	21 34 48	21°43'52	23°59	6°50	8°14	13°28	13°38	12°34	8°34	12°33	15°28	22° 0	21°52	3°25	n.a.	M20
T 21	21 38 45	22°42'36	5♐57	8°26	9°15	14° 8	13°51	12°34	8°33	12°R33	15°31	21°59	21°49	3°31	n.a.	T 21
W22	21 42 41	23°41'21	18° 8	10° 0	10°15	14°48	14° 4	12°D34	8°31	12°33	15°33	21°58	21°46	3°38	n.a.	W22
T 23	21 46 38	24°40'09	0♑37	11°33	11°16	15°29	14°16	12°34	8°30	12°33	15°35	21°54	21°43	3°45	n.a.	T 23
F 24	21 50 34	25°38'58	13°28	13° 5	12°16	16° 9	14°29	12°34	8°28	12°32	15°37	21°48	21°40	3°51	n.a.	F 24
S 25	21 54 31	26°37'49	26°43	14°36	13°15	16°49	14°42	12°35	8°27	12°32	15°40	21°39	21°36	3°58	n.a.	S 25
S 26	21 58 27	27°36'42	10♒23	16° 6	14°15	17°30	14°54	12°35	8°25	12°32	15°42	21°28	21°33	4° 5	n.a.	S 26
M27	22 2 24	28°35'37	24°25	17°35	15°13	18°10	15° 7	12°35	8°23	12°32	15°44	21°16	21°30	4°11	n.a.	M27
T 28	22 6 20	29°34'34	8♓45	19° 4	16°12	18°51	15°20	12°36	8°22	12°32	15°47	21° 4	21°27	4°18	n.a.	T 28
W29	22 10 17	0♍33'33	23°16	20°31	17°10	19°31	15°33	12°37	8°20	12°32	15°49	20°54	21°24	4°25	n.a.	W29
T 30	22 14 13	1°32'34	7♈52	21°57	18° 8	20°12	15°46	12°37	8°18	12°31	15°51	20°46	21°20	4°31	n.a.	T 30
F 31	22 18 10	2♍31'38	22♈25	23♍22	19♎ 5	20♍53	15♍58	12♐38	8♈16	12♉31	15♍54	20♉41	21♉17	4♏38	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	19n40	10s55	4s45	21n23	1n47	4n21	0s27	12n 5	0n52	9n 9	1n15	21s51	0n47	2n58	0s40	14n 2	1s48	21n26	16n48	18n56	18n43	10s18			n.a.
T 2	19 26	4 45	4 11	20 54	1 46	3 50	0 32	11 50	0 51	9 4	1 15	21 51	0 47	2 58	0 40	14 2	1 48	21 25	16 48	18 55	18 42	10 21			n.a.
F 3	19 12	1n40	3 22	20 24	1 45	3 20	0 37	11 36	0 51	8 59	1 15	21 51	0 47	2 57	0 40	14 3	1 48	21 24	16 47	18 54	18 41	10 24			n.a.
S 4	18 58	8 1	2 20	19 52	1 43	2 50	0 42	11 21	0 50	8 55	1 15	21 50	0 47	2 57	0 40	14 3	1 48	21 23	16 47	18 53	18 40	10 27			n.a.
S 5	18 43	13 57	1 10	19 19	1 41	2 19	0 47	11 6	0 49	8 50	1 15	21 50	0 46	2 57	0 40	14 3	1 48	21 22	16 47	18 53	18 40	10 30			n.a.
M 6	18 28	19 8	0n 4	18 44	1 38	1 48	0 52	10 51	0 49	8 45	1 14	21 50	0 46	2 56	0 40	14 3	1 49	21 21	16 46	18 53	18 39	10 33			n.a.
T 7	18 12	23 13	1 17	18 9	1 34	1 18	0 57	10 36	0 48	8 41	1 14	21 50	0 46	2 56	0 40	14 3	1 49	21 20	16 46	18 53	18 38	10 36			n.a.
W 8	17 57	25 55	2 25	17 32	1 31	0 47	1 3	10 21	0 48	8 36	1 14	21 50	0 46	2 56	0 40	14 3	1 49	21 19	16 46	18 52	18 37	10 39			n.a.
T 9	17 41	27 0	3 24	16 55	1 27	0 17	1 8	10 6	0 47	8 31	1 14	21 50	0 46	2 55	0 40	14 3	1 49	21 18	16 45	18 51	18 36	10 42			n.a.
F 10	17 24	26 25	4 11	16 17	1 22	0s14	1 13	9 50	0 47	8 27	1 14	21 50	0 46	2 55	0 40	14 3	1 49	21 16	16 45	18 49	18 35	10 45			n.a.
S 11	17 8	24 17	4 43	15 38	1 17	0 45	1 19	9 35	0 46	8 22	1 14	21 50	0 46	2 54	0 40	14 3	1 49	21 15	16 45	18 46	18 35	10 48			n.a.
S 12	16 51	20 53	4 58	14 58	1 12	1 15	1 24	9 19	0 46	8 17	1 14	21 50	0 45	2 54	0 40	14 3	1 49	21 14	16 45	18 43	18 34	10 52			n.a.
M13	16 34	16 31	4 58	14 18	1 7	1 46	1 30	9 4	0 45	8 12	1 14	21 50	0 45	2 53	0 40	14 3	1 49	21 13	16 44	18 40	18 33	10 55			n.a.
T 14	16 16	11 32	4 44	13 38	1 1	2 16	1 35	8 48	0 45	8 7	1 14	21 50	0 45	2 53	0 40	14 3	1 49	21 12	16 44	18 36	18 32	10 58			n.a.
W15	15 59	6 10	4 15	12 57	0 55	2 46	1 41	8 32	0 44	8 3	1 14	21 50	0 45	2 52	0 40	14 3	1 49	21 11	16 44	18 34	18 31	11 1			n.a.
T 16	15 40	0 41	3 36	12 15	0 49	3 17	1 46	8 16	0 43	7 58	1 14	21 50	0 45	2 52	0 40	14 3	1 49	21 10	16 44	18 32	18 30	11 4			n.a.
F 17	15 22	4s46	2 47	11 34	0 43	3 47	1 52	8 1	0 43	7 53	1 14	21 50	0 45	2 51	0 40	14 3	1 49	21 9	16 43	18 30	18 30	11 7			n.a.
S 18	15 4	9 59	1 52	10 52	0 37	4 17	1 58	7 45	0 42	7 48	1 13	21 51	0 44	2 51	0 40	14 3	1 49	21 8	16 43	18 29	18 29	11 10			n.a.
S 19	14 45	14 51	0 52	10 10	0 30	4 47	2 3	7 29	0 42	7 43	1 13	21 51	0 44	2 50	0 40	14 3	1 49	21 7	16 43	18 29	18 28	11 13			n.a.
M20	14 26	19 10	0s11	9 28	0 23	5 16	2 9	7 13	0 41	7 38	1 13	21 51	0 44	2 50	0 40	14 3	1 49	21 6	16 43	18 29	18 27	11 16			n.a.
T 21	14 7	22 46	1 13	8 45	0 16	5 46	2 15	6 56	0 41	7 33	1 13	21 51	0 44	2 49	0 40	14 3	1 49	21 5	16 42	18 29	18 26	11 19			n.a.
W22	13 47	25 25	2 14	8 3	0 9	6 16	2 21	6 40	0 40	7 28	1 13	21 51	0 44	2 48	0 40	14 3	1 49	21 4	16 42	18 29	18 25	11 22			n.a.
T 23	13 27	26 53	3 9	7 21	0 2	6 45	2 27	6 24	0 40	7 23	1 13	21 51	0 44	2 48	0 40	14 3	1 49	21 2	16 42	18 28	18 25	11 25			n.a.
F 24	13 7	26 58	3 57	6 39	0s 5	7 14	2 32	6 8	0 39	7 18	1 13	21 51	0 44	2 47	0 40	14 3	1 50	21 1	16 42	18 26	18 24	11 28			n.a.
S 25	12 47	25 32	4 33	5 56	0 13	7 43	2 38	5 51	0 38	7 13	1 13	21 52	0 43	2 46	0 40	14 3	1 50	21 0	16 42	18 24	18 23	11 31			n.a.
S 26	12 27	22 34	4 55	5 14	0 20	8 12	2 44	5 35	0 38	7 8	1 13	21 52	0 43	2 46	0 40	14 3	1 50	20 59	16 42	18 21	18 22	11 34			n.a.
M27	12 6	18 15	5 0	4 32	0 28	8 40	2 50	5 18	0 37	7 3	1 13	21 52	0 43	2 45	0 40	14 3	1 50	20 58	16 41	18 18	18 21	11 38			n.a.
T 28	11 45	12 48	4 47	3 51	0 35	9 8	2 56	5 2	0 37	6 58	1 13	21 52	0 43	2 44	0 40	14 3	1 50	20 57	16 41	18 14	18 20	11 41			n.a.
W29	11 24	6 35	4 15	3 9	0 43	9 37	3 2	4 45	0 36	6 53	1 13	21 52	0 43	2 44	0 40	14 2	1 50	20 56	16 41	18 12	18 20	11 44			n.a.
T 30	11 3	0n 1	3 26	2 28	0 50	10 4	3 7	4 28	0 36	6 48	1 13	21 53	0 43	2 43	0 40	14 2	1 50	20 55	16 41	18 10	18 19	11 47			n.a.
F 31	10n42	6n37	2s23	1n47	0s58	10s32	3s13	4n12	0n35	6n43	1n13	21s53	0n42	2n42	0s40	14n 2	1s50	20n54	16n41	18n 8	18n18	11s50			n.a.

Julian Day Number = 1630322.5, Delta T = 03h42m17s
Ecliptic obliquity = 23°43'37, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'49, Lahiri = - 7°23'48 Julian Calendar 1 Aug. 250 BCE == Greg. Calendar 28 July 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

SEPTEMBER 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 22 7	3♍30'44	6♉51	24♍46	20♎ 2	21♍33	16♍11	12♐39	8°R14	12°R31	15♍56	20°R39	21♉14	4♏45	n.a.	S 1
S 2	22 26 3	4°29'52	21° 7	26° 9	20°58	22°14	16°24	12°40	8♈12	12♉30	15°58	20°D38	21°11	4°51	n.a.	S 2
M 3	22 30 0	5°29'03	5♊10	27°31	21°54	22°55	16°37	12°41	8°10	12°30	16° 1	20°R38	21° 8	4°58	n.a.	M 3
T 4	22 33 56	6°28'17	19° 1	28°52	22°49	23°36	16°50	12°42	8° 8	12°29	16° 3	20♉38	21° 5	5° 5	n.a.	T 4
W 5	22 37 53	7°27'33	2♋40	0♎12	23°44	24°17	17° 3	12°44	8° 6	12°29	16° 5	20°35	21° 1	5°11	n.a.	W 5
T 6	22 41 49	8°26'52	16° 6	1°30	24°38	24°58	17°16	12°45	8° 4	12°28	16° 8	20°30	20°58	5°18	n.a.	T 6
F 7	22 45 46	9°26'12	29°22	2°48	25°32	25°39	17°29	12°47	8° 2	12°28	16°10	20°23	20°55	5°25	n.a.	F 7
S 8	22 49 42	10°25'36	12♌26	4° 3	26°25	26°20	17°42	12°48	8° 0	12°27	16°12	20°13	20°52	5°31	n.a.	S 8
S 9	22 53 39	11°25'01	25°18	5°18	27°17	27° 1	17°55	12°50	7°58	12°26	16°15	20° 1	20°49	5°38	n.a.	S 9
M10	22 57 36	12°24'28	7♍58	6°30	28° 9	27°43	18° 8	12°52	7°56	12°26	16°17	19°48	20°46	5°45	n.a.	M10
T 11	23 1 32	13°23'58	20°25	7°41	29° 0	28°24	18°21	12°54	7°54	12°25	16°20	19°36	20°42	5°51	n.a.	T 11
W12	23 5 29	14°23'30	2♎40	8°50	29°51	29° 5	18°34	12°56	7°52	12°24	16°22	19°26	20°39	5°58	n.a.	W12
T 13	23 9 25	15°23'04	14°43	9°58	0♏41	29°47	18°48	12°58	7°49	12°24	16°24	19°18	20°36	6° 4	n.a.	T 13
F 14	23 13 22	16°22'39	26°38	11° 3	1°30	0♎28	19° 1	13° 0	7°47	12°23	16°27	19°13	20°33	6°11	n.a.	F 14
S 15	23 17 18	17°22'17	8♏26	12° 6	2°18	1°10	19°14	13° 2	7°45	12°22	16°29	19°10	20°30	6°18	n.a.	S 15
S 16	23 21 15	18°21'57	20°12	13° 6	3° 5	1°51	19°27	13° 4	7°43	12°21	16°31	19°D10	20°26	6°24	n.a.	S 16
M17	23 25 11	19°21'39	2♐ 0	14° 3	3°52	2°33	19°40	13° 7	7°40	12°20	16°34	19°10	20°23	6°31	n.a.	M17
T 18	23 29 8	20°21'22	13°56	14°58	4°38	3°15	19°53	13° 9	7°38	12°20	16°36	19°11	20°20	6°38	n.a.	T 18
W19	23 33 5	21°21'08	26° 5	15°49	5°23	3°56	20° 6	13°12	7°36	12°19	16°39	19°R11	20°17	6°44	n.a.	W19
T 20	23 37 1	22°20'55	8♑32	16°36	6° 7	4°38	20°19	13°15	7°33	12°18	16°41	19°10	20°14	6°51	n.a.	T 20
F 21	23 40 58	23°20'44	21°22	17°19	6°50	5°20	20°32	13°18	7°31	12°17	16°43	19° 6	20°11	6°58	n.a.	F 21
S 22	23 44 54	24°20'35	4♒38	17°58	7°32	6° 2	20°45	13°21	7°28	12°16	16°46	19° 0	20° 7	7° 4	n.a.	S 22
S 23	23 48 51	25°20'27	18°22	18°31	8°12	6°44	20°59	13°24	7°26	12°15	16°48	18°53	20° 4	7°11	n.a.	S 23
M24	23 52 47	26°20'22	2♓34	18°59	8°52	7°26	21°12	13°27	7°24	12°14	16°50	18°44	20° 1	7°18	n.a.	M24
T 25	23 56 44	27°20'18	17° 8	19°21	9°31	8° 8	21°25	13°30	7°21	12°13	16°53	18°36	19°58	7°24	n.a.	T 25
W26	0 0 40	28°20'16	1♈59	19°37	10° 8	8°50	21°38	13°33	7°19	12°11	16°55	18°28	19°55	7°31	n.a.	W26
T 27	0 4 37	29°20'16	16°58	19°45	10°44	9°32	21°51	13°36	7°16	12°10	16°57	18°23	19°51	7°38	n.a.	T 27
F 28	0 8 33	0♎20'19	1♉56	19°R45	11°19	10°14	22° 4	13°40	7°14	12° 9	17° 0	18°19	19°48	7°44	n.a.	F 28
S 29	0 12 30	1°20'23	16°45	19°37	11°52	10°57	22°17	13°43	7°11	12° 8	17° 2	18°D18	19°45	7°51	n.a.	S 29
S 30	0 16 27	2♎20'30	1♊19	19♎20	12♏24	11♎39	22♍30	13♐47	7♈ 9	12♉ 7	17♍ 4	18♉19	19♉42	7♏57	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n20	12n50	1s12	1n 6	1s 5	10s59	3s19	3n55	0n34	6n38	1n13	21s53	0n42	2n41	0s40	14n 2	1s50	20n53	16n41	18n 8	18n17	11s53		n.a.
S 2	9 59	18 18	0n 3	0 26	1 13	11 26	3 25	3 38	0 34	6 32	1 13	21 53	0 42	2 41	0 40	14 2	1 50	20 52	16 41	18 7	18 16	11 56		n.a.
M 3	9 37	22 40	1 16	0s14	1 20	11 53	3 31	3 21	0 33	6 27	1 13	21 54	0 42	2 40	0 40	14 2	1 50	20 51	16 41	18 8	18 15	11 59		n.a.
T 4	9 15	25 40	2 24	0 53	1 28	12 19	3 36	3 4	0 33	6 22	1 13	21 54	0 42	2 39	0 40	14 1	1 50	20 50	16 41	18 7	18 15	12 2		n.a.
W 5	8 52	27 5	3 23	1 32	1 35	12 45	3 42	2 47	0 32	6 17	1 13	21 54	0 42	2 38	0 40	14 1	1 50	20 49	16 40	18 7	18 14	12 5		n.a.
T 6	8 30	26 53	4 10	2 10	1 42	13 11	3 48	2 30	0 32	6 12	1 13	21 55	0 42	2 37	0 40	14 1	1 50	20 48	16 40	18 5	18 13	12 8		n.a.
F 7	8 8	25 7	4 42	2 48	1 50	13 36	3 54	2 13	0 31	6 7	1 12	21 55	0 41	2 37	0 40	14 1	1 50	20 47	16 40	18 3	18 12	12 11		n.a.
S 8	7 45	22 3	4 59	3 25	1 57	14 1	3 59	1 56	0 30	6 2	1 12	21 55	0 41	2 36	0 40	14 1	1 50	20 46	16 40	18 1	18 11	12 14		n.a.
S 9	7 22	17 57	5 1	4 1	2 3	14 26	4 5	1 39	0 30	5 56	1 12	21 56	0 41	2 35	0 40	14 0	1 50	20 45	16 40	17 57	18 10	12 17		n.a.
M10	6 59	13 7	4 47	4 36	2 10	14 50	4 10	1 22	0 29	5 51	1 12	21 56	0 41	2 34	0 40	14 0	1 50	20 44	16 40	17 54	18 9	12 20		n.a.
T 11	6 36	7 49	4 20	5 11	2 17	15 14	4 16	1 5	0 29	5 46	1 12	21 57	0 41	2 33	0 40	14 0	1 51	20 43	16 40	17 51	18 9	12 23		n.a.
W12	6 13	2 18	3 41	5 44	2 23	15 37	4 21	0 48	0 28	5 41	1 12	21 57	0 41	2 32	0 40	14 0	1 51	20 42	16 40	17 48	18 8	12 26		n.a.
T 13	5 50	3s13	2 53	6 16	2 29	16 0	4 27	0 30	0 27	5 36	1 12	21 57	0 41	2 31	0 40	13 59	1 51	20 41	16 40	17 46	18 7	12 29		n.a.
F 14	5 26	8 34	1 57	6 48	2 35	16 22	4 32	0 13	0 27	5 30	1 12	21 58	0 40	2 30	0 40	13 59	1 51	20 40	16 40	17 44	18 6	12 32		n.a.
S 15	5 3	13 35	0 57	7 18	2 41	16 45	4 37	0s 4	0 26	5 25	1 12	21 58	0 40	2 29	0 40	13 59	1 51	20 39	16 40	17 44	18 5	12 35		n.a.
S 16	4 39	18 6	0s 6	7 46	2 46	17 6	4 42	0 21	0 26	5 20	1 12	21 59	0 40	2 29	0 40	13 58	1 51	20 38	16 40	17 43	18 4	12 38		n.a.
M17	4 16	21 56	1 8	8 13	2 51	17 27	4 48	0 39	0 25	5 15	1 12	21 59	0 40	2 28	0 40	13 58	1 51	20 37	16 40	17 44	18 4	12 41		n.a.
T 18	3 52	24 53	2 9	8 39	2 55	17 48	4 53	0 56	0 24	5 10	1 12	22 0	0 40	2 27	0 40	13 58	1 51	20 36	16 40	17 44	18 3	12 44		n.a.
W19	3 28	26 45	3 5	9 2	2 59	18 8	4 57	1 13	0 24	5 4	1 12	22 0	0 40	2 26	0 40	13 57	1 51	20 36	16 40	17 44	18 2	12 47		n.a.
T 20	3 4	27 20	3 53	9 24	3 2	18 27	5 2	1 31	0 23	4 59	1 12	22 1	0 40	2 25	0 40	13 57	1 51	20 35	16 41	17 43	18 1	12 50		n.a.
F 21	2 40	26 29	4 32	9 43	3 5	18 46	5 7	1 48	0 23	4 54	1 12	22 1	0 39	2 24	0 40	13 57	1 51	20 34	16 41	17 42	18 0	12 53		n.a.
S 22	2 16	24 8	4 57	10 0	3 7	19 5	5 11	2 5	0 22	4 49	1 12	22 2	0 39	2 23	0 40	13 56	1 51	20 33	16 41	17 41	17 59	12 56		n.a.
S 23	1 52	20 21	5 6	10 15	3 9	19 23	5 16	2 23	0 21	4 44	1 12	22 2	0 39	2 22	0 40	13 56	1 51	20 32	16 41	17 39	17 58	12 59		n.a.
M24	1 28	15 18	4 58	10 26	3 9	19 40	5 20	2 40	0 21	4 38	1 12	22 3	0 39	2 21	0 40	13 56	1 51	20 31	16 41	17 36	17 57	13 2		n.a.
T 25	1 4	9 16	4 30	10 34	3 9	19 56	5 24	2 57	0 20	4 33	1 12	22 3	0 39	2 20	0 40	13 55	1 51	20 30	16 41	17 34	17 57	13 5		n.a.
W26	0 40	2 36	3 43	10 38	3 7	20 12	5 28	3 15	0 20	4 28	1 12	22 4	0 39	2 19	0 40	13 55	1 51	20 29	16 41	17 32	17 56	13 8		n.a.
T 27	0 16	4n16	2 41	10 39	3 4	20 28	5 32	3 32	0 19	4 23	1 12	22 4	0 39	2 18	0 40	13 55	1 51	20 29	16 41	17 30	17 55	13 11		n.a.
F 28	0s 8	10 56	1 27	10 35	3 0	20 42	5 35	3 49	0 18	4 18	1 12	22 5	0 38	2 17	0 40	13 54	1 51	20 28	16 41	17 29	17 54	13 14		n.a.
S 29	0 32	16 55	0 8	10 27	2 55	20 56	5 39	4 7	0 18	4 12	1 13	22 5	0 38	2 16	0 40	13 54	1 51	20 27	16 41	17 29	17 53	13 17		n.a.
S 30	0s57	21n49	1n10	10s14	2s48	21s 9	5s42	4s24	0n17	4n 7	1n13	22s 6	0n38	2n15	0s40	13n53	1s51	20n26	16n42	17n29	17n52	13s20		n.a.

Julian Day Number = 1630353.5, Delta T = 03h42m16s
Ecliptic obliquity = 23°43'38, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'45, Lahiri = - 7°23'44 Julian Calendar 1 Sept. 250 BCE == Greg. Calendar 28 Aug. 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

OCTOBER 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 20 23	3♎20'39	15♊34	18°R54	12♏55	12♎21	22♍43	13♐51	7°R 7	12°R 6	17♍ 7	18♉20	19♉39	8♏ 4	n.a.	M 1
T 2	0 24 20	4°20'50	29°30	18♎18	13°24	13° 4	22°56	13°54	7♈ 4	12♉ 4	17° 9	18°R21	19°36	8°11	n.a.	T 2
W 3	0 28 16	5°21'04	13♋ 5	17°33	13°51	13°46	23° 9	13°58	7° 2	12° 3	17°11	18°21	19°32	8°17	n.a.	W 3
T 4	0 32 13	6°21'19	26°23	16°38	14°17	14°29	23°22	14° 2	6°59	12° 2	17°14	18°19	19°29	8°24	n.a.	T 4
F 5	0 36 9	7°21'37	9♌23	15°36	14°41	15°11	23°35	14° 6	6°57	12° 0	17°16	18°15	19°26	8°31	n.a.	F 5
S 6	0 40 6	8°21'57	22°10	14°26	15° 4	15°54	23°48	14°10	6°54	11°59	17°18	18° 9	19°23	8°37	n.a.	S 6
S 7	0 44 2	9°22'19	4♍43	13°11	15°24	16°37	24° 1	14°15	6°52	11°58	17°21	18° 3	19°20	8°44	n.a.	S 7
M 8	0 47 59	10°22'43	17° 5	11°53	15°43	17°20	24°14	14°19	6°49	11°56	17°23	17°55	19°17	8°51	n.a.	M 8
T 9	0 51 56	11°23'08	29°17	10°34	16° 0	18° 2	24°26	14°23	6°47	11°55	17°25	17°48	19°13	8°57	n.a.	T 9
W10	0 55 52	12°23'36	11♎20	9°16	16°14	18°45	24°39	14°28	6°44	11°53	17°27	17°43	19°10	9° 4	n.a.	W10
T 11	0 59 49	13°24'05	23°16	8° 2	16°27	19°28	24°52	14°32	6°42	11°52	17°29	17°38	19° 7	9°11	n.a.	T 11
F 12	1 3 45	14°24'36	5♏ 6	6°55	16°37	20°11	25° 5	14°37	6°39	11°51	17°32	17°36	19° 4	9°17	n.a.	F 12
S 13	1 7 42	15°25'08	16°52	5°56	16°45	20°54	25°18	14°41	6°37	11°49	17°34	17°D35	19° 1	9°24	n.a.	S 13
S 14	1 11 38	16°25'42	28°38	5° 7	16°51	21°37	25°30	14°46	6°34	11°48	17°36	17°35	18°57	9°31	n.a.	S 14
M15	1 15 35	17°26'18	10♐27	4°30	16°55	22°20	25°43	14°51	6°32	11°46	17°38	17°37	18°54	9°37	n.a.	M15
T 16	1 19 31	18°26'55	22°23	4° 3	16°R56	23° 4	25°56	14°56	6°30	11°45	17°40	17°39	18°51	9°44	n.a.	T 16
W17	1 23 28	19°27'34	4♑30	3°49	16°55	23°47	26° 8	15° 0	6°27	11°43	17°42	17°40	18°48	9°50	n.a.	W17
T 18	1 27 25	20°28'13	16°54	3°D46	16°52	24°30	26°21	15° 5	6°25	11°41	17°44	17°R41	18°45	9°57	n.a.	T 18
F 19	1 31 21	21°28'54	29°38	3°54	16°46	25°14	26°33	15°11	6°22	11°40	17°47	17°41	18°42	10° 4	n.a.	F 19
S 20	1 35 18	22°29'37	12♒47	4°12	16°37	25°57	26°46	15°16	6°20	11°38	17°49	17°40	18°38	10°10	n.a.	S 20
S 21	1 39 14	23°30'20	26°24	4°40	16°26	26°40	26°58	15°21	6°18	11°37	17°51	17°37	18°35	10°17	n.a.	S 21
M22	1 43 11	24°31'05	10♓30	5°16	16°13	27°24	27°10	15°26	6°15	11°35	17°53	17°34	18°32	10°24	n.a.	M22
T 23	1 47 7	25°31'50	25° 3	5°59	15°57	28° 8	27°23	15°31	6°13	11°33	17°55	17°31	18°29	10°30	n.a.	T 23
W24	1 51 4	26°32'37	9♈57	6°50	15°39	28°51	27°35	15°37	6°11	11°32	17°57	17°28	18°26	10°37	n.a.	W24
T 25	1 55 0	27°33'25	25° 6	7°46	15°18	29°35	27°47	15°42	6° 9	11°30	17°59	17°26	18°22	10°44	n.a.	T 25
F 26	1 58 57	28°34'15	10♉20	8°48	14°55	0♏18	28° 0	15°48	6° 6	11°29	18° 1	17°D25	18°19	10°50	n.a.	F 26
S 27	2 2 54	29°35'06	25°28	9°54	14°30	1° 2	28°12	15°53	6° 4	11°27	18° 2	17°25	18°16	10°57	n.a.	S 27
S 28	2 6 50	0♏35'59	10♊23	11° 4	14° 3	1°46	28°24	15°59	6° 2	11°25	18° 4	17°26	18°13	11° 4	n.a.	S 28
M29	2 10 47	1°36'53	24°57	12°17	13°35	2°30	28°36	16° 4	6° 0	11°24	18° 6	17°27	18°10	11°10	n.a.	M29
T 30	2 14 43	2°37'48	9♋ 7	13°34	13° 4	3°14	28°48	16°10	5°58	11°22	18° 8	17°28	18° 7	11°17	n.a.	T 30
W31	2 18 40	3♏38'45	22♋52	14♎52	12♏32	3♏58	29♍ 0	16♐16	5♈55	11♉20	18♍10	17♉29	18♉ 3	11♏24	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	1s21	25n17	2n22	9s56	2s39	21s22	5s45	4s41	0n17	4n 2	1n13	22s 6	0n38	2n14	0s40	13n53	1s51	20n25	16n42	17n30	17n51	13s23			n.a.
T 2	1 45	27 8	3 24	9 32	2 28	21 34	5 48	4 58	0 16	3 57	1 13	22 7	0 38	2 13	0 40	13 53	1 51	20 25	16 42	17 30	17 51	13 26			n.a.
W 3	2 9	27 17	4 13	9 4	2 16	21 44	5 50	5 16	0 15	3 52	1 13	22 8	0 38	2 12	0 40	13 52	1 51	20 24	16 42	17 30	17 50	13 29			n.a.
T 4	2 33	25 50	4 48	8 29	2 2	21 55	5 52	5 33	0 15	3 46	1 13	22 8	0 38	2 11	0 40	13 52	1 51	20 23	16 42	17 29	17 49	13 32			n.a.
F 5	2 57	23 2	5 6	7 50	1 46	22 4	5 54	5 50	0 14	3 41	1 13	22 9	0 38	2 10	0 40	13 51	1 52	20 22	16 43	17 28	17 48	13 35			n.a.
S 6	3 21	19 9	5 9	7 7	1 29	22 12	5 56	6 7	0 13	3 36	1 13	22 9	0 37	2 9	0 40	13 51	1 52	20 22	16 43	17 27	17 47	13 38			n.a.
S 7	3 45	14 29	4 57	6 20	1 10	22 20	5 57	6 25	0 13	3 31	1 13	22 10	0 37	2 8	0 40	13 50	1 52	20 21	16 43	17 25	17 46	13 41			n.a.
M 8	4 9	9 19	4 31	5 31	0 50	22 26	5 58	6 42	0 12	3 26	1 13	22 11	0 37	2 7	0 40	13 50	1 52	20 20	16 43	17 23	17 45	13 44			n.a.
T 9	4 33	3 51	3 53	4 41	0 29	22 32	5 59	6 59	0 12	3 21	1 13	22 11	0 37	2 6	0 40	13 49	1 52	20 20	16 43	17 21	17 44	13 47			n.a.
W10	4 57	1s42	3 5	3 51	0 8	22 37	5 59	7 16	0 11	3 16	1 13	22 12	0 37	2 5	0 40	13 49	1 52	20 19	16 44	17 19	17 44	13 50			n.a.
T 11	5 21	7 9	2 9	3 3	0n12	22 40	5 59	7 33	0 10	3 11	1 13	22 13	0 37	2 4	0 40	13 48	1 52	20 18	16 44	17 18	17 43	13 53			n.a.
F 12	5 45	12 19	1 8	2 18	0 32	22 43	5 58	7 50	0 10	3 6	1 13	22 13	0 37	2 3	0 40	13 48	1 52	20 18	16 44	17 17	17 42	13 56			n.a.
S 13	6 8	17 1	0 4	1 37	0 50	22 44	5 57	8 7	0 9	3 1	1 13	22 14	0 36	2 2	0 40	13 48	1 52	20 17	16 44	17 17	17 41	13 59			n.a.
S 14	6 32	21 5	1s 0	1 2	1 7	22 45	5 56	8 24	0 8	2 55	1 13	22 15	0 36	2 1	0 40	13 47	1 52	20 16	16 45	17 17	17 40	14 2			n.a.
M15	6 56	24 18	2 2	0 32	1 23	22 44	5 54	8 41	0 8	2 50	1 13	22 15	0 36	2 0	0 40	13 47	1 52	20 16	16 45	17 17	17 39	14 5			n.a.
T 16	7 19	26 30	3 0	0 10	1 36	22 42	5 51	8 57	0 7	2 45	1 13	22 16	0 36	1 59	0 40	13 46	1 52	20 15	16 45	17 18	17 38	14 8			n.a.
W17	7 42	27 29	3 50	0n 7	1 48	22 39	5 48	9 14	0 7	2 40	1 13	22 17	0 36	1 59	0 40	13 46	1 52	20 15	16 46	17 18	17 37	14 11			n.a.
T 18	8 5	27 7	4 31	0 17	1 58	22 34	5 45	9 31	0 6	2 35	1 13	22 17	0 36	1 58	0 40	13 45	1 52	20 14	16 46	17 19	17 36	14 14			n.a.
F 19	8 28	25 21	5 0	0 22	2 6	22 28	5 41	9 48	0 5	2 30	1 14	22 18	0 36	1 57	0 40	13 45	1 52	20 14	16 46	17 19	17 36	14 17			n.a.
S 20	8 51	22 11	5 14	0 20	2 13	22 21	5 36	10 4	0 5	2 26	1 14	22 19	0 36	1 56	0 40	13 44	1 52	20 13	16 46	17 18	17 35	14 20			n.a.
S 21	9 14	17 44	5 11	0 13	2 17	22 13	5 31	10 21	0 4	2 21	1 14	22 19	0 36	1 55	0 40	13 44	1 52	20 12	16 47	17 17	17 34	14 22			n.a.
M22	9 37	12 11	4 50	0 2	2 21	22 3	5 25	10 37	0 3	2 16	1 14	22 20	0 35	1 54	0 40	13 43	1 52	20 12	16 47	17 17	17 33	14 25			n.a.
T 23	9 59	5 49	4 10	0s14	2 23	21 52	5 18	10 53	0 3	2 11	1 14	22 21	0 35	1 53	0 40	13 43	1 52	20 11	16 48	17 16	17 32	14 28			n.a.
W24	10 22	1n 3	3 12	0 33	2 24	21 40	5 11	11 10	0 2	2 6	1 14	22 21	0 35	1 52	0 40	13 42	1 52	20 11	16 48	17 15	17 31	14 31			n.a.
T 25	10 44	7 58	2 0	0 56	2 23	21 26	5 3	11 26	0 1	2 1	1 14	22 22	0 35	1 51	0 40	13 41	1 52	20 11	16 48	17 14	17 30	14 34			n.a.
F 26	11 6	14 29	0 39	1 21	2 22	21 11	4 54	11 42	0 1	1 56	1 14	22 23	0 35	1 50	0 40	13 41	1 52	20 10	16 49	17 14	17 29	14 37			n.a.
S 27	11 28	20 5	0n44	1 49	2 20	20 54	4 45	11 58	0 0	1 52	1 14	22 24	0 35	1 49	0 40	13 40	1 52	20 10	16 49	17 14	17 28	14 40			n.a.
S 28	11 49	24 19	2 4	2 20	2 17	20 36	4 35	12 14	0s 0	1 47	1 14	22 24	0 35	1 49	0 40	13 40	1 52	20 9	16 49	17 14	17 28	14 43			n.a.
M29	12 11	26 51	3 13	2 52	2 14	20 17	4 24	12 30	0 1	1 42	1 14	22 25	0 35	1 48	0 40	13 39	1 52	20 9	16 50	17 15	17 27	14 46			n.a.
T 30	12 32	27 33	4 9	3 25	2 10	19 57	4 12	12 46	0 2	1 37	1 14	22 26	0 35	1 47	0 40	13 39	1 52	20 8	16 50	17 15	17 26	14 49			n.a.
W31	12s53	26n30	4n48	4s 0	2n 5	19s36	4s 1	13s 2	0s 2	1n33	1n15	22s26	0n34	1n46	0s40	13n38	1s52	20n 8	16n51	17n15	17n25	14s52			n.a.

Julian Day Number = 1630383.5, Delta T = 03h42m15s
Ecliptic obliquity = 23°43'38, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'41, Lahiri = - 7°23'40 Julian Calendar 1 Oct. 250 BCE == Greg. Calendar 27 Sept. 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

NOVEMBER 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 22 36	4♏39'44	6♌12	16♎13	11°R59	4♏42	29♍12	16♐22	5°R53	11°R18	18♍12	17°R29	18♉ 0	11♏30	n.a.	T 1
F 2	2 26 33	5°40'43	19° 9	17°36	11♏25	5°26	29°23	16°28	5♈51	11♉17	18°14	17♉29	17°57	11°37	n.a.	F 2
S 3	2 30 29	6°41'44	1♍47	19° 0	10°49	6°10	29°35	16°34	5°49	11°15	18°15	17°28	17°54	11°43	n.a.	S 3
S 4	2 34 26	7°42'47	14° 9	20°25	10°13	6°54	29°47	16°40	5°47	11°13	18°17	17°26	17°51	11°50	n.a.	S 4
M 5	2 38 23	8°43'50	26°19	21°52	9°37	7°38	29°58	16°46	5°45	11°12	18°19	17°25	17°48	11°57	n.a.	M 5
T 6	2 42 19	9°44'55	8♎19	23°19	9° 1	8°23	0♎10	16°52	5°43	11°10	18°20	17°24	17°44	12° 3	n.a.	T 6
W 7	2 46 16	10°46'01	20°13	24°47	8°25	9° 7	0°21	16°58	5°41	11° 8	18°22	17°23	17°41	12°10	n.a.	W 7
T 8	2 50 12	11°47'07	2♏ 2	26°16	7°49	9°51	0°33	17° 4	5°40	11° 7	18°24	17°22	17°38	12°17	n.a.	T 8
F 9	2 54 9	12°48'15	13°49	27°46	7°13	10°36	0°44	17°10	5°38	11° 5	18°25	17°D22	17°35	12°23	n.a.	F 9
S 10	2 58 5	13°49'24	25°37	29°16	6°39	11°20	0°55	17°17	5°36	11° 3	18°27	17°22	17°32	12°30	n.a.	S 10
S 11	3 2 2	14°50'33	7♐26	0♏46	6° 6	12° 5	1° 7	17°23	5°34	11° 1	18°28	17°22	17°28	12°37	n.a.	S 11
M12	3 5 58	15°51'43	19°21	2°17	5°34	12°49	1°18	17°29	5°32	11° 0	18°30	17°23	17°25	12°43	n.a.	M12
T 13	3 9 55	16°52'54	1♑22	3°48	5° 3	13°34	1°29	17°36	5°31	10°58	18°31	17°23	17°22	12°50	n.a.	T 13
W14	3 13 52	17°54'05	13°34	5°19	4°34	14°19	1°40	17°42	5°29	10°56	18°33	17°R23	17°19	12°57	n.a.	W14
T 15	3 17 48	18°55'16	25°59	6°51	4° 7	15° 3	1°50	17°49	5°27	10°55	18°34	17°23	17°16	13° 3	n.a.	T 15
F 16	3 21 45	19°56'28	8♒41	8°22	3°42	15°48	2° 1	17°55	5°26	10°53	18°36	17°22	17°13	13°10	n.a.	F 16
S 17	3 25 41	20°57'41	21°44	9°54	3°20	16°33	2°12	18° 2	5°24	10°51	18°37	17°D22	17° 9	13°17	n.a.	S 17
S 18	3 29 38	21°58'53	5♓10	11°27	2°59	17°18	2°23	18° 8	5°23	10°50	18°38	17°23	17° 6	13°23	n.a.	S 18
M19	3 33 34	23° 0'05	19° 2	12°59	2°41	18° 3	2°33	18°15	5°21	10°48	18°40	17°23	17° 3	13°30	n.a.	M19
T 20	3 37 31	24° 1'18	3♈19	14°32	2°25	18°48	2°43	18°21	5°20	10°46	18°41	17°23	17° 0	13°36	n.a.	T 20
W21	3 41 27	25° 2'31	17°59	16° 4	2°11	19°33	2°54	18°28	5°19	10°45	18°42	17°24	16°57	13°43	n.a.	W21
T 22	3 45 24	26° 3'44	2♉58	17°37	2° 0	20°18	3° 4	18°35	5°17	10°43	18°44	17°25	16°54	13°50	n.a.	T 22
F 23	3 49 21	27° 4'57	18° 9	19°10	1°51	21° 3	3°14	18°42	5°16	10°41	18°45	17°R25	16°50	13°56	n.a.	F 23
S 24	3 53 17	28° 6'10	3♊22	20°44	1°45	21°48	3°24	18°48	5°15	10°40	18°46	17°25	16°47	14° 3	n.a.	S 24
S 25	3 57 14	29° 7'24	18°27	22°17	1°42	22°33	3°34	18°55	5°14	10°38	18°47	17°24	16°44	14°10	n.a.	S 25
M26	4 1 10	0♐ 8'38	3♋15	23°51	1°D41	23°18	3°44	19° 2	5°12	10°37	18°48	17°22	16°41	14°16	n.a.	M26
T 27	4 5 7	1° 9'53	17°41	25°25	1°42	24° 3	3°54	19° 9	5°11	10°35	18°49	17°20	16°38	14°23	n.a.	T 27
W28	4 9 3	2°11'08	1♌39	27° 0	1°46	24°49	4° 3	19°16	5°10	10°33	18°50	17°19	16°34	14°30	n.a.	W28
T 29	4 13 0	3°12'23	15° 9	28°34	1°52	25°34	4°13	19°23	5° 9	10°32	18°51	17°17	16°31	14°36	n.a.	T 29
F 30	4 16 57	4♐13'39	28♌12	0♐ 9	2♏ 1	26♏19	4♎22	19♐29	5♈ 8	10♉30	18♍52	17♉16	16♉28	14♏43	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s14	23n58	5n11	4s36	2n 0	19s13	3s48	13s17	0s 3	1n28	1n15	22s27	0n34	1n45	0s40	13n38	1s52	20n 8	16n51	17n15	17n24	14s55		n.a.
F 2	13 34	20 16	5 17	5 13	1 55	18 50	3 35	13 33	0 4	1 23	1 15	22 28	0 34	1 44	0 40	13 37	1 52	20 7	16 51	17 15	17 23	14 57		n.a.
S 3	13 55	15 44	5 7	5 50	1 50	18 26	3 21	13 48	0 4	1 19	1 15	22 28	0 34	1 44	0 40	13 37	1 52	20 7	16 52	17 15	17 22	15 0		n.a.
S 4	14 15	10 39	4 43	6 28	1 44	18 1	3 7	14 4	0 5	1 14	1 15	22 29	0 34	1 43	0 40	13 36	1 52	20 7	16 52	17 14	17 21	15 3		n.a.
M 5	14 35	5 15	4 7	7 7	1 37	17 36	2 53	14 19	0 6	1 9	1 15	22 30	0 34	1 42	0 40	13 36	1 52	20 6	16 53	17 14	17 20	15 6		n.a.
T 6	14 55	0s16	3 20	7 45	1 31	17 10	2 38	14 34	0 6	1 5	1 15	22 31	0 34	1 41	0 40	13 35	1 52	20 6	16 53	17 14	17 20	15 9		n.a.
W 7	15 14	5 45	2 25	8 24	1 25	16 44	2 23	14 49	0 7	1 0	1 15	22 31	0 34	1 41	0 40	13 35	1 52	20 6	16 54	17 13	17 19	15 12		n.a.
T 8	15 33	11 0	1 24	9 3	1 18	16 17	2 7	15 4	0 8	0 56	1 15	22 32	0 34	1 40	0 40	13 34	1 52	20 6	16 54	17 13	17 18	15 15		n.a.
F 9	15 52	15 52	0 20	9 42	1 11	15 51	1 52	15 19	0 8	0 51	1 16	22 33	0 33	1 39	0 40	13 34	1 52	20 5	16 54	17 13	17 17	15 18		n.a.
S 10	16 11	20 8	0s46	10 21	1 4	15 25	1 36	15 33	0 9	0 47	1 16	22 33	0 33	1 38	0 40	13 33	1 52	20 5	16 55	17 13	17 16	15 21		n.a.
S 11	16 29	23 37	1 49	10 59	0 57	14 59	1 21	15 48	0 9	0 43	1 16	22 34	0 33	1 38	0 40	13 33	1 52	20 5	16 55	17 13	17 15	15 24		n.a.
M12	16 47	26 6	2 49	11 37	0 50	14 33	1 5	16 2	0 10	0 38	1 16	22 35	0 33	1 37	0 40	13 32	1 52	20 5	16 56	17 13	17 14	15 26		n.a.
T 13	17 5	27 24	3 41	12 15	0 43	14 8	0 50	16 16	0 11	0 34	1 16	22 36	0 33	1 36	0 40	13 32	1 52	20 5	16 56	17 13	17 13	15 29		n.a.
W14	17 22	27 25	4 24	12 53	0 36	13 44	0 34	16 30	0 11	0 30	1 16	22 36	0 33	1 36	0 40	13 31	1 52	20 5	16 57	17 13	17 12	15 32		n.a.
T 15	17 39	26 3	4 56	13 30	0 29	13 21	0 19	16 44	0 12	0 25	1 16	22 37	0 33	1 35	0 40	13 30	1 52	20 4	16 57	17 13	17 11	15 35		n.a.
F 16	17 56	23 21	5 14	14 7	0 22	12 58	0 4	16 58	0 13	0 21	1 17	22 38	0 33	1 35	0 40	13 30	1 52	20 4	16 58	17 13	17 10	15 38		n.a.
S 17	18 13	19 25	5 17	14 43	0 15	12 36	0n11	17 12	0 13	0 17	1 17	22 38	0 33	1 34	0 40	13 29	1 52	20 4	16 58	17 13	17 10	15 41		n.a.
S 18	18 29	14 25	5 3	15 19	0 8	12 16	0 25	17 25	0 14	0 13	1 17	22 39	0 33	1 33	0 40	13 29	1 52	20 4	16 59	17 13	17 9	15 44		n.a.
M19	18 45	8 32	4 31	15 54	0 2	11 56	0 39	17 39	0 15	0 9	1 17	22 40	0 32	1 33	0 40	13 28	1 52	20 4	16 59	17 13	17 8	15 46		n.a.
T 20	19 0	2 3	3 41	16 28	0s 5	11 38	0 52	17 52	0 15	0 5	1 17	22 40	0 32	1 32	0 40	13 28	1 52	20 4	17 0	17 14	17 7	15 49		n.a.
W21	19 15	4n44	2 36	17 2	0 12	11 21	1 5	18 5	0 16	0 1	1 17	22 41	0 32	1 32	0 40	13 27	1 52	20 4	17 0	17 14	17 6	15 52		n.a.
T 22	19 30	11 24	1 19	17 35	0 19	11 6	1 18	18 18	0 17	0s 3	1 17	22 42	0 32	1 31	0 39	13 27	1 52	20 4	17 1	17 14	17 5	15 55		n.a.
F 23	19 44	17 30	0n 4	18 8	0 25	10 51	1 30	18 31	0 17	0 7	1 18	22 42	0 32	1 31	0 39	13 26	1 52	20 4	17 2	17 14	17 4	15 58		n.a.
S 24	19 59	22 31	1 27	18 39	0 31	10 38	1 42	18 43	0 18	0 11	1 18	22 43	0 32	1 30	0 39	13 26	1 52	20 4	17 2	17 14	17 3	16 1		n.a.
S 25	20 12	25 56	2 44	19 10	0 38	10 26	1 53	18 56	0 19	0 15	1 18	22 44	0 32	1 30	0 39	13 26	1 52	20 4	17 3	17 14	17 2	16 4		n.a.
M26	20 25	27 29	3 48	19 40	0 44	10 16	2 4	19 8	0 19	0 19	1 18	22 44	0 32	1 30	0 39	13 25	1 52	20 4	17 3	17 13	17 1	16 6		n.a.
T 27	20 38	27 6	4 36	20 9	0 50	10 7	2 14	19 20	0 20	0 22	1 18	22 45	0 32	1 29	0 39	13 25	1 52	20 4	17 4	17 13	17 0	16 9		n.a.
W28	20 51	24 59	5 5	20 38	0 56	9 59	2 24	19 32	0 20	0 26	1 18	22 46	0 32	1 29	0 39	13 24	1 52	20 4	17 4	17 12	17 0	16 12		n.a.
T 29	21 3	21 31	5 17	21 5	1 2	9 53	2 33	19 43	0 21	0 30	1 19	22 46	0 32	1 28	0 39	13 24	1 52	20 4	17 5	17 12	16 59	16 15		n.a.
F 30	21s15	17n 6	5n11	21s31	1s 7	9s47	2n42	19s55	0s22	0s33	1n19	22s47	0n31	1n28	0s39	13n23	1s52	20n 5	17n 5	17n12	16n58	16s18		n.a.

Julian Day Number = 1630414.5, Delta T = 03h42m14s
Ecliptic obliquity = 23°43'38, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'36, Lahiri = - 7°23'36 Julian Calendar 1 Nov. 250 BCE == Greg. Calendar 28 Oct. 250 BCE

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ASTRODIENST EPHEMERIS for the year 250 BCE
geocentric

DECEMBER 250 BCE (-249) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 20 53	5♐14'54	10♍51	1♐44	2♏12	27♏ 5	4♎32	19♐36	5°R 7	10°R29	18♍53	17°D16	16♉25	14♏50	n.a.	S 1
S 2	4 24 50	6°16'10	23°11	3°20	2°25	27°50	4°41	19°43	5♈ 7	10♉27	18°54	17♉17	16°22	14°56	n.a.	S 2
M 3	4 28 46	7°17'26	5♎16	4°56	2°40	28°36	4°50	19°50	5° 6	10°26	18°55	17°19	16°19	15° 3	n.a.	M 3
T 4	4 32 43	8°18'42	17°10	6°32	2°57	29°21	4°59	19°57	5° 5	10°24	18°56	17°20	16°15	15° 9	n.a.	T 4
W 5	4 36 39	9°19'59	28°58	8° 8	3°16	0♐ 7	5° 8	20° 4	5° 4	10°23	18°56	17°22	16°12	15°16	n.a.	W 5
T 6	4 40 36	10°21'15	10♏45	9°45	3°38	0°52	5°17	20°11	5° 4	10°21	18°57	17°23	16° 9	15°23	n.a.	T 6
F 7	4 44 32	11°22'31	22°32	11°22	4° 1	1°38	5°25	20°18	5° 3	10°20	18°58	17°R23	16° 6	15°29	n.a.	F 7
S 8	4 48 29	12°23'48	4♐23	13° 0	4°26	2°24	5°34	20°25	5° 2	10°19	18°59	17°22	16° 3	15°36	n.a.	S 8
S 9	4 52 26	13°25'03	16°20	14°38	4°52	3° 9	5°42	20°32	5° 2	10°17	18°59	17°19	16° 0	15°43	n.a.	S 9
M10	4 56 22	14°26'19	28°25	16°17	5°21	3°55	5°50	20°39	5° 1	10°16	19° 0	17°15	15°56	15°49	n.a.	M10
T 11	5 0 19	15°27'34	10♑39	17°56	5°51	4°41	5°58	20°46	5° 1	10°15	19° 0	17°10	15°53	15°56	n.a.	T 11
W12	5 4 15	16°28'49	23° 3	19°35	6°22	5°27	6° 6	20°54	5° 1	10°13	19° 1	17° 5	15°50	16° 3	n.a.	W12
T 13	5 8 12	17°30'03	5♒40	21°15	6°55	6°13	6°14	21° 1	5° 0	10°12	19° 1	17° 0	15°47	16° 9	n.a.	T 13
F 14	5 12 8	18°31'16	18°30	22°55	7°30	6°59	6°22	21° 8	5° 0	10°11	19° 2	16°56	15°44	16°16	n.a.	F 14
S 15	5 16 5	19°32'28	1♓35	24°36	8° 6	7°45	6°30	21°15	5° 0	10° 9	19° 2	16°53	15°40	16°23	n.a.	S 15
S 16	5 20 2	20°33'39	14°57	26°17	8°43	8°31	6°37	21°22	5° 0	10° 8	19° 3	16°D51	15°37	16°29	n.a.	S 16
M17	5 23 58	21°34'50	28°38	27°58	9°21	9°17	6°44	21°29	5° 0	10° 7	19° 3	16°51	15°34	16°36	n.a.	M17
T 18	5 27 55	22°35'59	12♈38	29°40	10° 1	10° 3	6°52	21°36	5°D 0	10° 6	19° 3	16°52	15°31	16°43	n.a.	T 18
W19	5 31 51	23°37'08	26°57	1♑22	10°42	10°49	6°59	21°43	5° 0	10° 5	19° 4	16°54	15°28	16°49	n.a.	W19
T 20	5 35 48	24°38'15	11♉34	3° 4	11°24	11°35	7° 5	21°50	5° 0	10° 4	19° 4	16°R55	15°25	16°56	n.a.	T 20
F 21	5 39 44	25°39'22	26°24	4°47	12° 7	12°21	7°12	21°57	5° 0	10° 3	19° 4	16°55	15°21	17° 2	n.a.	F 21
S 22	5 43 41	26°40'28	11♊21	6°30	12°51	13° 7	7°19	22° 4	5° 0	10° 1	19° 4	16°53	15°18	17° 9	n.a.	S 22
S 23	5 47 37	27°41'32	26°17	8°12	13°37	13°53	7°25	22°11	5° 0	10° 0	19° 5	16°49	15°15	17°16	n.a.	S 23
M24	5 51 34	28°42'36	11♋ 4	9°55	14°23	14°39	7°32	22°19	5° 1	9°59	19° 5	16°43	15°12	17°22	n.a.	M24
T 25	5 55 31	29°43'39	25°32	11°37	15°10	15°26	7°38	22°26	5° 1	9°58	19° 5	16°36	15° 9	17°29	n.a.	T 25
W26	5 59 27	0♑44'41	9♌37	13°19	15°58	16°12	7°44	22°33	5° 1	9°57	19° 5	16°28	15° 6	17°36	n.a.	W26
T 27	6 3 24	1°45'43	23°16	15° 0	16°47	16°58	7°50	22°40	5° 2	9°57	19°R 5	16°22	15° 2	17°42	n.a.	T 27
F 28	6 7 20	2°46'43	6♍26	16°41	17°36	17°45	7°55	22°47	5° 2	9°56	19° 5	16°16	14°59	17°49	n.a.	F 28
S 29	6 11 17	3°47'43	19°11	18°20	18°27	18°31	8° 1	22°54	5° 3	9°55	19° 5	16°13	14°56	17°56	n.a.	S 29
S 30	6 15 13	4°48'41	1♎34	19°58	19°18	19°17	8° 6	23° 1	5° 3	9°54	19° 5	16°D12	14°53	18° 2	n.a.	S 30
M31	6 19 10	5♑49'39	13♎40	21♑34	20♏10	20♐ 4	8♎11	23♐ 8	5♈ 4	9♉53	19♍ 4	16♉12	14♉50	18♏ 9	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s26	12n 3	4n50	21s56	1s12	9s43	2n50	20s 6	0s22	0s37	1n19	22s48	0n31	1n28	0s39	13n23	1s52	20n 5	17n 6	17n12	16n57	16s21		n.a.
S 2	21 37	6 40	4 17	22 21	1 18	9 40	2 58	20 17	0 23	0 40	1 19	22 48	0 31	1 27	0 39	13 22	1 51	20 5	17 7	17 12	16 56	16 23		n.a.
M 3	21 47	1 8	3 32	22 44	1 23	9 39	3 5	20 28	0 24	0 44	1 19	22 49	0 31	1 27	0 39	13 22	1 51	20 5	17 7	17 12	16 55	16 26		n.a.
T 4	21 57	4s22	2 39	23 6	1 27	9 38	3 12	20 39	0 24	0 47	1 19	22 49	0 31	1 27	0 39	13 21	1 51	20 5	17 8	17 13	16 54	16 29		n.a.
W 5	22 7	9 41	1 40	23 26	1 32	9 39	3 19	20 49	0 25	0 51	1 20	22 50	0 31	1 27	0 39	13 21	1 51	20 5	17 8	17 13	16 53	16 32		n.a.
T 6	22 16	14 39	0 37	23 46	1 36	9 40	3 25	21 0	0 26	0 54	1 20	22 51	0 31	1 26	0 39	13 21	1 51	20 6	17 9	17 13	16 52	16 35		n.a.
F 7	22 25	19 5	0s28	24 4	1 40	9 43	3 30	21 10	0 26	0 57	1 20	22 51	0 31	1 26	0 39	13 20	1 51	20 6	17 9	17 13	16 51	16 37		n.a.
S 8	22 33	22 47	1 32	24 21	1 44	9 46	3 35	21 20	0 27	1 1	1 20	22 52	0 31	1 26	0 39	13 20	1 51	20 6	17 10	17 13	16 50	16 40		n.a.
S 9	22 41	25 33	2 33	24 37	1 48	9 51	3 40	21 29	0 27	1 4	1 20	22 52	0 31	1 26	0 39	13 19	1 51	20 6	17 11	17 12	16 49	16 43		n.a.
M10	22 48	27 10	3 27	24 51	1 51	9 56	3 45	21 39	0 28	1 7	1 21	22 53	0 31	1 26	0 39	13 19	1 51	20 7	17 11	17 11	16 48	16 46		n.a.
T 11	22 55	27 29	4 12	25 4	1 54	10 2	3 49	21 48	0 29	1 10	1 21	22 54	0 31	1 25	0 39	13 19	1 51	20 7	17 12	17 10	16 48	16 49		n.a.
W12	23 2	26 25	4 46	25 15	1 56	10 9	3 53	21 57	0 29	1 13	1 21	22 54	0 31	1 25	0 39	13 18	1 51	20 7	17 12	17 8	16 47	16 51		n.a.
T 13	23 8	24 2	5 7	25 24	1 59	10 16	3 56	22 6	0 30	1 16	1 21	22 55	0 30	1 25	0 39	13 18	1 51	20 8	17 13	17 7	16 46	16 54		n.a.
F 14	23 13	20 24	5 12	25 32	2 0	10 25	3 59	22 14	0 31	1 19	1 21	22 55	0 30	1 25	0 39	13 18	1 51	20 8	17 14	17 6	16 45	16 57		n.a.
S 15	23 19	15 44	5 2	25 39	2 2	10 34	4 2	22 23	0 31	1 22	1 22	22 56	0 30	1 25	0 39	13 17	1 51	20 8	17 14	17 5	16 44	17 0		n.a.
S 16	23 23	10 14	4 36	25 43	2 3	10 43	4 4	22 31	0 32	1 25	1 22	22 56	0 30	1 25	0 39	13 17	1 51	20 9	17 15	17 4	16 43	17 2		n.a.
M17	23 27	4 7	3 53	25 46	2 4	10 53	4 7	22 39	0 32	1 27	1 22	22 57	0 30	1 25	0 39	13 17	1 51	20 9	17 15	17 4	16 42	17 5		n.a.
T 18	23 31	2n21	2 56	25 48	2 4	11 4	4 8	22 46	0 33	1 30	1 22	22 57	0 30	1 25	0 39	13 16	1 51	20 10	17 16	17 5	16 41	17 8		n.a.
W19	23 34	8 51	1 47	25 47	2 4	11 15	4 10	22 53	0 34	1 33	1 22	22 58	0 30	1 25	0 38	13 16	1 51	20 10	17 16	17 5	16 40	17 11		n.a.
T 20	23 37	15 1	0 29	25 44	2 3	11 27	4 11	23 1	0 34	1 35	1 23	22 58	0 30	1 25	0 38	13 16	1 51	20 10	17 17	17 5	16 39	17 14		n.a.
F 21	23 39	20 25	0n51	25 40	2 2	11 39	4 12	23 7	0 35	1 38	1 23	22 59	0 30	1 25	0 38	13 15	1 51	20 11	17 18	17 5	16 38	17 16		n.a.
S 22	23 41	24 32	2 9	25 34	2 0	11 52	4 13	23 14	0 36	1 40	1 23	22 59	0 30	1 25	0 38	13 15	1 51	20 11	17 18	17 5	16 37	17 19		n.a.
S 23	23 42	26 58	3 17	25 25	1 57	12 5	4 14	23 20	0 36	1 42	1 23	23 0	0 30	1 26	0 38	13 15	1 51	20 12	17 19	17 4	16 36	17 22		n.a.
M24	23 43	27 27	4 12	25 15	1 54	12 18	4 14	23 26	0 37	1 45	1 24	23 0	0 30	1 26	0 38	13 14	1 50	20 12	17 19	17 2	16 35	17 25		n.a.
T 25	23 44	26 1	4 49	25 3	1 51	12 32	4 14	23 32	0 37	1 47	1 24	23 1	0 30	1 26	0 38	13 14	1 50	20 13	17 20	17 0	16 34	17 27		n.a.
W26	23 43	22 58	5 7	24 49	1 46	12 46	4 14	23 38	0 38	1 49	1 24	23 1	0 30	1 26	0 38	13 14	1 50	20 13	17 21	16 58	16 33	17 30		n.a.
T 27	23 43	18 45	5 7	24 33	1 41	13 0	4 14	23 43	0 39	1 51	1 24	23 2	0 29	1 26	0 38	13 14	1 50	20 14	17 21	16 56	16 33	17 33		n.a.
F 28	23 42	13 44	4 50	24 15	1 35	13 14	4 13	23 48	0 39	1 53	1 24	23 2	0 29	1 27	0 38	13 13	1 50	20 14	17 22	16 54	16 32	17 36		n.a.
S 29	23 40	8 18	4 20	23 55	1 29	13 29	4 12	23 53	0 40	1 55	1 25	23 3	0 29	1 27	0 38	13 13	1 50	20 15	17 22	16 53	16 31	17 38		n.a.
S 30	23 38	2 41	3 38	23 34	1 21	13 44	4 11	23 58	0 40	1 57	1 25	23 3	0 29	1 27	0 38	13 13	1 50	20 16	17 23	16 53	16 30	17 41		n.a.
M31	23s36	2s54	2n47	23s11	1s13	13s59	4n10	24s 2	0s41	1s59	1n25	23s 4	0n29	1n27	0s38	13n13	1s50	20n16	17n24	16n53	16n29	17s44		n.a.

Julian Day Number = 1630444.5, Delta T = 03h42m13s
Ecliptic obliquity = 23°43'38, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'32, Lahiri = - 7°23'32 Julian Calendar 1 Dec. 250 BCE == Greg. Calendar 27 Nov. 250 BCE

The year -249 astronomical counting style corresponds to year 250 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

JANUARY 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 23 6	6♑50'36	25♎34	23♑ 8	21♏ 3	20♐50	8♎16	23♐15	5♈ 5	9°R52	19°R 4	16♉13	14♉46	18♏16	n.a.	T 1
W 2	6 27 3	7°51'32	7♏22	24°39	21°56	21°37	8°21	23°22	5° 5	9♉52	19♍ 4	16°14	14°43	18°22	n.a.	W 2
T 3	6 31 0	8°52'27	19° 8	26° 6	22°50	22°23	8°26	23°29	5° 6	9°51	19° 4	16°R15	14°40	18°29	n.a.	T 3
F 4	6 34 56	9°53'21	0♐57	27°30	23°45	23°10	8°31	23°35	5° 7	9°50	19° 3	16°13	14°37	18°36	n.a.	F 4
S 5	6 38 53	10°54'14	12°53	28°49	24°40	23°56	8°35	23°42	5° 8	9°49	19° 3	16°10	14°34	18°42	n.a.	S 5
S 6	6 42 49	11°55'06	24°59	0♒ 2	25°36	24°43	8°39	23°49	5° 9	9°49	19° 3	16° 4	14°31	18°49	n.a.	S 6
M 7	6 46 46	12°55'57	7♑16	1°10	26°32	25°30	8°43	23°56	5°10	9°48	19° 2	15°55	14°27	18°55	n.a.	M 7
T 8	6 50 42	13°56'46	19°47	2°10	27°29	26°16	8°47	24° 3	5°11	9°48	19° 2	15°45	14°24	19° 2	n.a.	T 8
W 9	6 54 39	14°57'34	2♒30	3° 4	28°27	27° 3	8°51	24°10	5°12	9°47	19° 2	15°33	14°21	19° 9	n.a.	W 9
T 10	6 58 36	15°58'20	15°27	3°48	29°25	27°49	8°54	24°16	5°13	9°47	19° 1	15°22	14°18	19°15	n.a.	T 10
F 11	7 2 32	16°59'04	28°35	4°24	0♐23	28°36	8°58	24°23	5°14	9°46	19° 1	15°12	14°15	19°22	n.a.	F 11
S 12	7 6 29	17°59'47	11♓55	4°50	1°22	29°23	9° 1	24°30	5°16	9°46	19° 0	15° 5	14°12	19°29	n.a.	S 12
S 13	7 10 25	19° 0'28	25°26	5° 6	2°21	0♑10	9° 4	24°37	5°17	9°45	18°59	15° 0	14° 8	19°35	n.a.	S 13
M14	7 14 22	20° 1'07	9♈ 8	5°R11	3°21	0°56	9° 7	24°43	5°18	9°45	18°59	14°57	14° 5	19°42	n.a.	M14
T 15	7 18 18	21° 1'44	23° 1	5° 6	4°21	1°43	9° 9	24°50	5°20	9°45	18°58	14°D57	14° 2	19°49	n.a.	T 15
W16	7 22 15	22° 2'20	7♉ 6	4°50	5°21	2°30	9°12	24°56	5°21	9°44	18°57	14°57	13°59	19°55	n.a.	W16
T 17	7 26 11	23° 2'53	21°22	4°24	6°22	3°17	9°14	25° 3	5°23	9°44	18°57	14°R57	13°56	20° 2	n.a.	T 17
F 18	7 30 8	24° 3'25	5♊47	3°49	7°23	4° 3	9°16	25°10	5°24	9°44	18°56	14°56	13°52	20° 9	n.a.	F 18
S 19	7 34 5	25° 3'54	20°18	3° 5	8°24	4°50	9°18	25°16	5°26	9°44	18°55	14°51	13°49	20°15	n.a.	S 19
S 20	7 38 1	26° 4'22	4♋49	2°13	9°26	5°37	9°20	25°22	5°27	9°44	18°54	14°44	13°46	20°22	n.a.	S 20
M21	7 41 58	27° 4'48	19°16	1°16	10°28	6°24	9°21	25°29	5°29	9°43	18°54	14°35	13°43	20°29	n.a.	M21
T 22	7 45 54	28° 5'12	3♌31	0°13	11°31	7°11	9°22	25°35	5°31	9°43	18°53	14°23	13°40	20°35	n.a.	T 22
W23	7 49 51	29° 5'34	17°28	29♑ 9	12°34	7°57	9°24	25°42	5°33	9°43	18°52	14°11	13°37	20°42	n.a.	W23
T 24	7 53 47	0♒ 5'55	1♍ 3	28° 2	13°37	8°44	9°25	25°48	5°34	9°D43	18°51	14° 0	13°33	20°48	n.a.	T 24
F 25	7 57 44	1° 6'13	14°14	26°57	14°40	9°31	9°25	25°54	5°36	9°43	18°50	13°50	13°30	20°55	n.a.	F 25
S 26	8 1 40	2° 6'30	27° 2	25°53	15°44	10°18	9°26	26° 0	5°38	9°43	18°49	13°43	13°27	21° 2	n.a.	S 26
S 27	8 5 37	3° 6'46	9♎27	24°53	16°48	11° 5	9°26	26° 6	5°40	9°43	18°48	13°39	13°24	21° 8	n.a.	S 27
M28	8 9 34	4° 7'00	21°36	23°57	17°52	11°52	9°27	26°13	5°42	9°44	18°47	13°36	13°21	21°15	n.a.	M28
T 29	8 13 30	5° 7'12	3♏32	23° 7	18°56	12°39	9°R27	26°19	5°44	9°44	18°46	13°D36	13°18	21°22	n.a.	T 29
W30	8 17 27	6° 7'23	15°21	22°23	20° 1	13°26	9°26	26°25	5°46	9°44	18°45	13°R36	13°14	21°28	n.a.	W30
T 31	8 21 23	7♒ 7'31	27♏ 8	21♑45	21♐ 6	14♑13	9♎26	26♐31	5♈48	9♉44	18♍44	13♉35	13♉11	21♏35	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23s33	8s18	1n49	22s46	1s 4	14s14	4n 9	24s 6	0s42	2s 1	1n25	23s 4	0n29	1n28	0s38	13n13	1s50	20n17	17n24	16n53	16n28	17s46			n.a.
W 2	23 29	13 23	0 48	22 20	0 54	14 29	4 8	24 10	0 42	2 3	1 26	23 4	0 29	1 28	0 38	13 12	1 50	20 17	17 25	16 54	16 27	17 49			n.a.
T 3	23 26	17 58	0s16	21 53	0 43	14 44	4 6	24 13	0 43	2 4	1 26	23 5	0 29	1 28	0 38	13 12	1 50	20 18	17 25	16 54	16 26	17 52			n.a.
F 4	23 21	21 52	1 18	21 26	0 32	15 0	4 4	24 16	0 43	2 6	1 26	23 5	0 29	1 29	0 38	13 12	1 50	20 19	17 26	16 53	16 25	17 55			n.a.
S 5	23 16	24 54	2 18	20 57	0 19	15 15	4 2	24 19	0 44	2 7	1 26	23 6	0 29	1 29	0 38	13 12	1 50	20 19	17 26	16 52	16 24	17 57			n.a.
S 6	23 11	26 50	3 12	20 28	0 5	15 30	4 0	24 22	0 44	2 9	1 27	23 6	0 29	1 30	0 38	13 12	1 50	20 20	17 27	16 51	16 23	18 0			n.a.
M 7	23 5	27 29	3 58	20 0	0n 9	15 46	3 58	24 24	0 45	2 10	1 27	23 6	0 29	1 30	0 38	13 12	1 50	20 21	17 28	16 48	16 22	18 3			n.a.
T 8	22 59	26 46	4 34	19 31	0 24	16 1	3 56	24 26	0 46	2 12	1 27	23 7	0 29	1 30	0 38	13 12	1 50	20 21	17 28	16 45	16 21	18 5			n.a.
W 9	22 53	24 38	4 56	19 4	0 40	16 16	3 53	24 28	0 46	2 13	1 27	23 7	0 29	1 31	0 38	13 11	1 50	20 22	17 29	16 42	16 20	18 8			n.a.
T 10	22 46	21 13	5 4	18 37	0 56	16 31	3 50	24 29	0 47	2 14	1 28	23 8	0 29	1 31	0 38	13 11	1 49	20 23	17 29	16 38	16 19	18 11			n.a.
F 11	22 38	16 43	4 56	18 13	1 13	16 46	3 48	24 30	0 47	2 15	1 28	23 8	0 29	1 32	0 38	13 11	1 49	20 23	17 30	16 35	16 18	18 13			n.a.
S 12	22 30	11 21	4 32	17 50	1 30	17 1	3 45	24 31	0 48	2 16	1 28	23 8	0 28	1 32	0 38	13 11	1 49	20 24	17 30	16 33	16 17	18 16			n.a.
S 13	22 22	5 23	3 52	17 29	1 47	17 15	3 42	24 32	0 48	2 17	1 28	23 9	0 28	1 33	0 38	13 11	1 49	20 25	17 31	16 32	16 16	18 19			n.a.
M14	22 13	0n56	2 59	17 12	2 4	17 30	3 39	24 32	0 49	2 18	1 29	23 9	0 28	1 34	0 38	13 11	1 49	20 25	17 31	16 31	16 15	18 21			n.a.
T 15	22 4	7 17	1 54	16 57	2 21	17 44	3 36	24 32	0 49	2 19	1 29	23 9	0 28	1 34	0 37	13 11	1 49	20 26	17 32	16 31	16 14	18 24			n.a.
W16	21 54	13 23	0 42	16 45	2 37	17 58	3 32	24 32	0 50	2 19	1 29	23 9	0 28	1 35	0 37	13 11	1 49	20 27	17 32	16 31	16 14	18 27			n.a.
T 17	21 44	18 52	0n34	16 36	2 52	18 12	3 29	24 32	0 51	2 20	1 29	23 10	0 28	1 35	0 37	13 11	1 49	20 28	17 33	16 31	16 13	18 29			n.a.
F 18	21 33	23 18	1 48	16 31	3 6	18 25	3 26	24 31	0 51	2 21	1 30	23 10	0 28	1 36	0 37	13 11	1 49	20 28	17 33	16 31	16 12	18 32			n.a.
S 19	21 23	26 18	2 56	16 29	3 18	18 39	3 22	24 30	0 52	2 21	1 30	23 10	0 28	1 37	0 37	13 11	1 49	20 29	17 34	16 29	16 11	18 35			n.a.
S 20	21 11	27 30	3 52	16 31	3 29	18 52	3 18	24 28	0 52	2 22	1 30	23 11	0 28	1 37	0 37	13 11	1 49	20 30	17 34	16 27	16 10	18 37			n.a.
M21	21 0	26 49	4 33	16 35	3 38	19 4	3 15	24 27	0 53	2 22	1 30	23 11	0 28	1 38	0 37	13 11	1 49	20 31	17 35	16 24	16 9	18 40			n.a.
T 22	20 48	24 24	4 56	16 42	3 44	19 17	3 11	24 25	0 53	2 22	1 31	23 11	0 28	1 39	0 37	13 11	1 49	20 32	17 35	16 21	16 8	18 43			n.a.
W23	20 35	20 33	5 1	16 51	3 48	19 29	3 7	24 23	0 54	2 23	1 31	23 11	0 28	1 40	0 37	13 11	1 49	20 32	17 36	16 17	16 7	18 45			n.a.
T 24	20 22	15 43	4 48	17 2	3 50	19 41	3 3	24 20	0 54	2 23	1 31	23 12	0 28	1 40	0 37	13 11	1 49	20 33	17 36	16 14	16 6	18 48			n.a.
F 25	20 9	10 16	4 21	17 15	3 50	19 52	2 59	24 17	0 55	2 23	1 31	23 12	0 28	1 41	0 37	13 11	1 48	20 34	17 37	16 11	16 5	18 51			n.a.
S 26	19 56	4 33	3 40	17 30	3 48	20 3	2 55	24 14	0 55	2 23	1 32	23 12	0 28	1 42	0 37	13 11	1 48	20 35	17 37	16 9	16 4	18 53			n.a.
S 27	19 42	1s11	2 50	17 45	3 43	20 13	2 51	24 11	0 56	2 23	1 32	23 12	0 28	1 43	0 37	13 11	1 48	20 36	17 38	16 7	16 3	18 56			n.a.
M28	19 28	6 46	1 54	18 1	3 37	20 23	2 47	24 7	0 56	2 23	1 32	23 13	0 28	1 44	0 37	13 12	1 48	20 36	17 38	16 7	16 2	18 58			n.a.
T 29	19 13	12 1	0 53	18 17	3 29	20 33	2 43	24 3	0 57	2 22	1 32	23 13	0 28	1 44	0 37	13 12	1 48	20 37	17 39	16 7	16 1	19 1			n.a.
W30	18 58	16 47	0s 9	18 33	3 20	20 42	2 39	23 59	0 57	2 22	1 33	23 13	0 28	1 45	0 37	13 12	1 48	20 38	17 39	16 7	16 0	19 4			n.a.
T 31	18s43	20s54	1s11	18s49	3n10	20s51	2n35	23s55	0s58	2s22	1n33	23s13	0n28	1n46	0s37	13n12	1s48	20n39	17n39	16n 6	15n59	19s 6			n.a.

Julian Day Number = 1630475.5, Delta T = 03h42m12s
Ecliptic obliquity = 23°43'38, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'28, Lahiri = - 7°23'28 Julian Calendar 1 Jan. 249 BCE == Greg. Calendar 28 Dec. 250 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

FEBRUARY 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 25 20	8♒ 7'39	8♐59	21°R15	22♐11	15♑ 0	9°R25	26♐37	5♈50	9♉44	18°R42	13°R33	13♉ 8	21♏42	n.a.	F 1
S 2	8 29 16	9° 7'44	20°59	20♑51	23°16	15°46	9♎25	26°42	5°53	9°45	18♍41	13♉29	13° 5	21°48	n.a.	S 2
S 3	8 33 13	10° 7'48	3♑12	20°34	24°22	16°33	9°24	26°48	5°55	9°45	18°40	13°21	13° 2	21°55	n.a.	S 3
M 4	8 37 9	11° 7'50	15°41	20°24	25°28	17°20	9°23	26°54	5°57	9°45	18°39	13°11	12°58	22° 2	n.a.	M 4
T 5	8 41 6	12° 7'50	28°27	20°D21	26°33	18° 7	9°21	27° 0	5°59	9°46	18°38	12°59	12°55	22° 8	n.a.	T 5
W 6	8 45 3	13° 7'48	11♒30	20°24	27°40	18°54	9°20	27° 5	6° 2	9°46	18°36	12°45	12°52	22°15	n.a.	W 6
T 7	8 48 59	14° 7'44	24°49	20°33	28°46	19°41	9°18	27°11	6° 4	9°47	18°35	12°32	12°49	22°22	n.a.	T 7
F 8	8 52 56	15° 7'38	8♓22	20°48	29°52	20°28	9°16	27°16	6° 7	9°47	18°34	12°20	12°46	22°28	n.a.	F 8
S 9	8 56 52	16° 7'30	22° 5	21° 8	0♑59	21°15	9°14	27°22	6° 9	9°48	18°32	12°11	12°43	22°35	n.a.	S 9
S 10	9 0 49	17° 7'19	5♈57	21°33	2° 6	22° 2	9°12	27°27	6°12	9°48	18°31	12° 4	12°39	22°41	n.a.	S 10
M11	9 4 45	18° 7'06	19°54	22° 3	3°12	22°49	9°10	27°33	6°14	9°49	18°30	12° 1	12°36	22°48	n.a.	M11
T 12	9 8 42	19° 6'51	3♉55	22°38	4°20	23°36	9° 7	27°38	6°17	9°49	18°28	11°59	12°33	22°55	n.a.	T 12
W13	9 12 38	20° 6'33	17°59	23°17	5°27	24°23	9° 4	27°43	6°19	9°50	18°27	11°59	12°30	23° 1	n.a.	W13
T 14	9 16 35	21° 6'13	2♊ 6	23°59	6°34	25°10	9° 1	27°48	6°22	9°51	18°25	11°59	12°27	23° 8	n.a.	T 14
F 15	9 20 31	22° 5'51	16°13	24°45	7°41	25°57	8°58	27°53	6°25	9°52	18°24	11°57	12°24	23°15	n.a.	F 15
S 16	9 24 28	23° 5'26	0♋21	25°35	8°49	26°44	8°55	27°59	6°27	9°52	18°23	11°53	12°20	23°21	n.a.	S 16
S 17	9 28 25	24° 4'59	14°26	26°28	9°57	27°30	8°51	28° 3	6°30	9°53	18°21	11°46	12°17	23°28	n.a.	S 17
M18	9 32 21	25° 4'30	28°25	27°24	11° 5	28°17	8°48	28° 8	6°33	9°54	18°20	11°36	12°14	23°35	n.a.	M18
T 19	9 36 18	26° 3'58	12♌15	28°22	12°13	29° 4	8°44	28°13	6°35	9°55	18°18	11°25	12°11	23°41	n.a.	T 19
W20	9 40 14	27° 3'24	25°51	29°24	13°21	29°51	8°40	28°18	6°38	9°56	18°17	11°13	12° 8	23°48	n.a.	W20
T 21	9 44 11	28° 2'48	9♍10	0♒28	14°29	0♒38	8°36	28°23	6°41	9°57	18°15	11° 1	12° 4	23°55	n.a.	T 21
F 22	9 48 7	29° 2'09	22°10	1°34	15°37	1°25	8°31	28°27	6°44	9°58	18°13	10°51	12° 1	24° 1	n.a.	F 22
S 23	9 52 4	0♓ 1'29	4♎52	2°43	16°46	2°12	8°27	28°32	6°47	9°59	18°12	10°43	11°58	24° 8	n.a.	S 23
S 24	9 56 0	1° 0'46	17°15	3°54	17°54	2°58	8°22	28°36	6°50	10° 0	18°10	10°38	11°55	24°15	n.a.	S 24
M25	9 59 57	2° 0'02	29°23	5° 7	19° 3	3°45	8°17	28°41	6°53	10° 1	18° 9	10°36	11°52	24°21	n.a.	M25
T 26	10 3 54	2°59'16	11♏19	6°22	20°12	4°32	8°13	28°45	6°56	10° 2	18° 7	10°D35	11°49	24°28	n.a.	T 26
W27	10 7 50	3°58'27	23° 9	7°39	21°21	5°19	8° 7	28°49	6°59	10° 3	18° 5	10°36	11°45	24°34	n.a.	W27
T 28	10 11 47	4°57'38	4♐57	8°57	22°29	6° 6	8° 2	28°54	7° 2	10° 4	18° 4	10°R36	11°42	24°41	n.a.	T 28
F 29	10 15 43	5♓56'46	16♐50	10♒18	23♑39	6♒53	7♎57	28♐58	7♈ 5	10♉ 5	18♍ 2	10♉35	11♉39	24♏48	n.a.	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s27	24s12	2s10	19s 5	2n59	21s 0	2n30	23s50	0s58	2s21	1n33	23s14	0n27	1n47	0s37	13n12	1s48	20n40	17n40	16n 6	15n58	19s 9		n.a.
S 2	18 11	26 29	3 4	19 21	2 47	21 7	2 26	23 45	0 59	2 21	1 33	23 14	0 27	1 48	0 37	13 12	1 48	20 41	17 40	16 4	15 57	19 11		n.a.
S 3	17 55	27 32	3 50	19 36	2 34	21 15	2 22	23 40	0 59	2 20	1 34	23 14	0 27	1 49	0 37	13 12	1 48	20 41	17 41	16 2	15 56	19 14		n.a.
M 4	17 39	27 12	4 27	19 50	2 21	21 22	2 17	23 34	0 59	2 20	1 34	23 14	0 27	1 50	0 37	13 13	1 48	20 42	17 41	15 59	15 55	19 17		n.a.
T 5	17 22	25 27	4 51	20 3	2 8	21 28	2 13	23 28	1 0	2 19	1 34	23 14	0 27	1 51	0 37	13 13	1 48	20 43	17 41	15 55	15 54	19 19		n.a.
W 6	17 5	22 20	5 0	20 16	1 55	21 34	2 8	23 22	1 0	2 18	1 34	23 14	0 27	1 52	0 37	13 13	1 48	20 44	17 42	15 51	15 53	19 22		n.a.
T 7	16 47	18 0	4 53	20 28	1 41	21 39	2 4	23 16	1 1	2 17	1 34	23 15	0 27	1 53	0 37	13 13	1 48	20 45	17 42	15 47	15 52	19 24		n.a.
F 8	16 30	12 42	4 30	20 39	1 28	21 44	2 0	23 9	1 1	2 16	1 35	23 15	0 27	1 54	0 37	13 13	1 48	20 46	17 43	15 43	15 51	19 27		n.a.
S 9	16 12	6 42	3 51	20 48	1 15	21 48	1 55	23 2	1 2	2 15	1 35	23 15	0 27	1 55	0 37	13 14	1 47	20 47	17 43	15 40	15 50	19 29		n.a.
S 10	15 53	0 20	2 58	20 57	1 2	21 52	1 51	22 55	1 2	2 14	1 35	23 15	0 27	1 56	0 37	13 14	1 47	20 47	17 43	15 38	15 49	19 32		n.a.
M11	15 35	6n 7	1 54	21 5	0 50	21 55	1 46	22 48	1 2	2 13	1 35	23 15	0 27	1 57	0 37	13 14	1 47	20 48	17 44	15 37	15 48	19 35		n.a.
T 12	15 16	12 19	0 43	21 11	0 37	21 58	1 42	22 40	1 3	2 12	1 36	23 15	0 27	1 58	0 37	13 14	1 47	20 49	17 44	15 37	15 47	19 37		n.a.
W13	14 57	17 54	0n32	21 17	0 25	22 0	1 37	22 32	1 3	2 10	1 36	23 15	0 27	1 59	0 37	13 15	1 47	20 50	17 44	15 37	15 46	19 40		n.a.
T 14	14 38	22 32	1 44	21 21	0 14	22 1	1 33	22 24	1 4	2 9	1 36	23 16	0 27	2 0	0 37	13 15	1 47	20 51	17 44	15 37	15 45	19 42		n.a.
F 15	14 19	25 50	2 50	21 24	0 2	22 2	1 28	22 16	1 4	2 7	1 36	23 16	0 27	2 1	0 36	13 15	1 47	20 52	17 45	15 36	15 44	19 45		n.a.
S 16	13 59	27 30	3 46	21 25	0s 9	22 2	1 24	22 7	1 4	2 6	1 36	23 16	0 27	2 2	0 36	13 16	1 47	20 52	17 45	15 35	15 43	19 47		n.a.
S 17	13 39	27 22	4 28	21 26	0 19	22 2	1 19	21 58	1 5	2 4	1 37	23 16	0 27	2 3	0 36	13 16	1 47	20 53	17 45	15 33	15 42	19 50		n.a.
M18	13 19	25 30	4 53	21 25	0 29	22 1	1 15	21 49	1 5	2 3	1 37	23 16	0 27	2 4	0 36	13 16	1 47	20 54	17 46	15 30	15 42	19 52		n.a.
T 19	12 59	22 8	5 1	21 22	0 39	21 59	1 10	21 40	1 6	2 1	1 37	23 16	0 27	2 6	0 36	13 16	1 47	20 55	17 46	15 26	15 41	19 55		n.a.
W20	12 38	17 37	4 51	21 19	0 48	21 57	1 6	21 30	1 6	1 59	1 37	23 16	0 27	2 7	0 36	13 17	1 47	20 56	17 46	15 22	15 40	19 57		n.a.
T 21	12 18	12 20	4 26	21 14	0 57	21 55	1 2	21 20	1 6	1 57	1 37	23 16	0 27	2 8	0 36	13 17	1 47	20 57	17 46	15 19	15 39	20 0		n.a.
F 22	11 57	6 37	3 47	21 7	1 6	21 51	0 57	21 10	1 7	1 56	1 38	23 17	0 27	2 9	0 36	13 18	1 47	20 57	17 47	15 16	15 38	20 2		n.a.
S 23	11 36	0 46	2 58	20 59	1 14	21 47	0 53	21 0	1 7	1 54	1 38	23 17	0 27	2 10	0 36	13 18	1 47	20 58	17 47	15 13	15 37	20 5		n.a.
S 24	11 15	5s 0	2 1	20 50	1 21	21 43	0 49	20 49	1 7	1 52	1 38	23 17	0 27	2 11	0 36	13 18	1 47	20 59	17 47	15 12	15 36	20 8		n.a.
M25	10 53	10 28	0 59	20 39	1 29	21 38	0 44	20 38	1 8	1 50	1 38	23 17	0 26	2 13	0 36	13 19	1 46	21 0	17 47	15 11	15 35	20 10		n.a.
T 26	10 32	15 28	0s 4	20 27	1 35	21 32	0 40	20 27	1 8	1 47	1 38	23 17	0 26	2 14	0 36	13 19	1 46	21 1	17 47	15 11	15 34	20 12		n.a.
W27	10 10	19 51	1 7	20 13	1 42	21 25	0 36	20 16	1 8	1 45	1 39	23 17	0 26	2 15	0 36	13 19	1 46	21 2	17 47	15 11	15 33	20 15		n.a.
T 28	9 48	23 27	2 6	19 58	1 47	21 18	0 32	20 5	1 9	1 43	1 39	23 17	0 26	2 16	0 36	13 20	1 46	21 2	17 48	15 11	15 32	20 17		n.a.
F 29	9s26	26s 4	3s 1	19s41	1s53	21s11	0n27	19s53	1s 9	1s41	1n39	23s17	0n26	2n17	0s36	13n20	1s46	21n 3	17n48	15n11	15n31	20s20		n.a.

Julian Day Number = 1630506.5, Delta T = 03h42m11s
Ecliptic obliquity = 23°43'38, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'24, Lahiri = - 7°23'23 Julian Calendar 1 Feb. 249 BCE == Greg. Calendar 28 Jan. 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

MARCH 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 19 40	6♓55'52	28♐52	11♒40	24♉48	7♒39	7°R51	29♐ 2	7♈ 8	10♉ 6	18°R 1	10°R33	11♉36	24♏54	n.a.	S 1
S 2	10 23 36	7°54'56	11♉ 8	13° 5	25°57	8°26	7♎46	29° 6	7°11	10° 8	17♍59	10♉28	11°33	25° 1	n.a.	S 2
M 3	10 27 33	8°53'59	23°42	14°30	27° 6	9°13	7°40	29° 9	7°14	10° 9	17°57	10°21	11°30	25° 8	n.a.	M 3
T 4	10 31 29	9°53'00	6♒37	15°58	28°16	9°59	7°34	29°13	7°17	10°10	17°56	10°12	11°26	25°14	n.a.	T 4
W 5	10 35 26	10°51'58	19°54	17°27	29°25	10°46	7°28	29°17	7°20	10°11	17°54	10° 2	11°23	25°21	n.a.	W 5
T 6	10 39 23	11°50'55	3♓32	18°57	0♒35	11°33	7°22	29°21	7°24	10°13	17°52	9°52	11°20	25°28	n.a.	T 6
F 7	10 43 19	12°49'49	17°27	20°30	1°44	12°19	7°15	29°24	7°27	10°14	17°51	9°43	11°17	25°34	n.a.	F 7
S 8	10 47 16	13°48'41	1♈36	22° 3	2°54	13° 6	7° 9	29°28	7°30	10°15	17°49	9°36	11°14	25°41	n.a.	S 8
S 9	10 51 12	14°47'31	15°54	23°39	4° 4	13°53	7° 3	29°31	7°33	10°17	17°47	9°31	11°10	25°48	n.a.	S 9
M10	10 55 9	15°46'19	0♉16	25°16	5°13	14°39	6°56	29°34	7°36	10°18	17°46	9°29	11° 7	25°54	n.a.	M10
T 11	10 59 5	16°45'04	14°37	26°54	6°23	15°26	6°49	29°37	7°40	10°20	17°44	9°D29	11° 4	26° 1	n.a.	T 11
W12	11 3 2	17°43'48	28°54	28°34	7°33	16°12	6°42	29°41	7°43	10°21	17°42	9°29	11° 1	26° 8	n.a.	W12
T 13	11 6 58	18°42'29	13♊ 4	0♓15	8°43	16°59	6°36	29°44	7°46	10°23	17°41	9°R30	10°58	26°14	n.a.	T 13
F 14	11 10 55	19°41'07	27° 8	1°58	9°53	17°45	6°29	29°47	7°50	10°24	17°39	9°30	10°55	26°21	n.a.	F 14
S 15	11 14 51	20°39'43	11♋ 2	3°43	11° 3	18°32	6°21	29°49	7°53	10°26	17°37	9°28	10°51	26°28	n.a.	S 15
S 16	11 18 48	21°38'17	24°48	5°29	12°13	19°18	6°14	29°52	7°56	10°27	17°35	9°24	10°48	26°34	n.a.	S 16
M17	11 22 45	22°36'49	8♌23	7°17	13°24	20° 5	6° 7	29°55	8° 0	10°29	17°34	9°19	10°45	26°41	n.a.	M17
T 18	11 26 41	23°35'18	21°47	9° 6	14°34	20°51	6° 0	29°57	8° 3	10°31	17°32	9°11	10°42	26°47	n.a.	T 18
W19	11 30 38	24°33'45	4♍57	10°57	15°44	21°37	5°53	29°59	8° 6	10°32	17°30	9° 4	10°39	26°54	n.a.	W19
T 20	11 34 34	25°32'10	17°54	12°50	16°55	22°24	5°45	0♑ 2	8°10	10°34	17°29	8°56	10°35	27° 1	n.a.	T 20
F 21	11 38 31	26°30'33	0♎37	14°44	18° 5	23°10	5°38	0° 5	8°13	10°36	17°27	8°50	10°32	27° 7	n.a.	F 21
S 22	11 42 27	27°28'54	13° 5	16°40	19°16	23°56	5°30	0° 7	8°16	10°37	17°25	8°45	10°29	27°14	n.a.	S 22
S 23	11 46 24	28°27'13	25°19	18°37	20°26	24°42	5°23	0° 9	8°20	10°39	17°24	8°42	10°26	27°21	n.a.	S 23
M24	11 50 20	29°25'31	7♏22	20°36	21°37	25°28	5°15	0°11	8°23	10°41	17°22	8°D41	10°23	27°27	n.a.	M24
T 25	11 54 17	0♈23'46	19°17	22°37	22°47	26°15	5° 8	0°13	8°27	10°43	17°21	8°42	10°20	27°34	n.a.	T 25
W26	11 58 14	1°22'01	1♐ 6	24°38	23°58	27° 1	5° 0	0°15	8°30	10°45	17°19	8°43	10°16	27°41	n.a.	W26
T 27	12 2 10	2°20'13	12°55	26°42	25° 9	27°47	4°52	0°17	8°34	10°46	17°17	8°45	10°13	27°47	n.a.	T 27
F 28	12 6 7	3°18'24	24°48	28°46	26°20	28°33	4°45	0°18	8°37	10°48	17°16	8°46	10°10	27°54	n.a.	F 28
S 29	12 10 3	4°16'33	6♑50	0♈52	27°30	29°19	4°37	0°20	8°40	10°50	17°14	8°R46	10° 7	28° 1	n.a.	S 29
S 30	12 14 0	5°14'41	19° 6	2°59	28°41	0♓ 5	4°29	0°21	8°44	10°52	17°12	8°45	10° 4	28° 7	n.a.	S 30
M31	12 17 56	6♈12'47	1♒40	5♈ 7	29♒52	0♓51	4♎22	0♑23	8♈47	10♉54	17♍11	8♉43	10♉ 1	28♏14	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s 4	27s31	3s48	19s22	1s58	21s 3	0n23	19s41	1s 9	1s38	1n39	23s17	0n26	2n19	0s36	13n21	1s46	21n 4	17n48	15n10	15n30	20s22		n.a.
S 2	8 42	27 40	4 26	19 3	2 2	20 54	0 19	19 29	1 9	1 36	1 39	23 17	0 26	2 20	0 36	13 21	1 46	21 5	17 48	15 8	15 29	20 25		n.a.
M 3	8 20	26 24	4 52	18 41	2 6	20 45	0 15	19 17	1 10	1 34	1 39	23 17	0 26	2 21	0 36	13 22	1 46	21 5	17 48	15 6	15 28	20 27		n.a.
T 4	7 57	23 44	5 4	18 18	2 10	20 35	0 11	19 5	1 10	1 31	1 39	23 17	0 26	2 22	0 36	13 22	1 46	21 6	17 48	15 3	15 27	20 30		n.a.
W 5	7 35	19 45	5 0	17 54	2 13	20 24	0 7	18 52	1 10	1 29	1 40	23 17	0 26	2 24	0 36	13 23	1 46	21 7	17 48	15 0	15 26	20 32		n.a.
T 6	7 12	14 39	4 39	17 28	2 15	20 13	0 3	18 39	1 11	1 26	1 40	23 17	0 26	2 25	0 36	13 23	1 46	21 8	17 48	14 57	15 25	20 35		n.a.
F 7	6 49	8 43	4 2	17 0	2 17	20 1	0s 1	18 26	1 11	1 23	1 40	23 18	0 26	2 26	0 36	13 24	1 46	21 8	17 49	14 54	15 24	20 37		n.a.
S 8	6 26	2 14	3 9	16 31	2 19	19 49	0 4	18 13	1 11	1 21	1 40	23 18	0 26	2 28	0 36	13 24	1 46	21 9	17 49	14 52	15 23	20 40		n.a.
S 9	6 4	4n26	2 3	16 0	2 20	19 36	0 8	18 0	1 11	1 18	1 40	23 18	0 26	2 29	0 36	13 25	1 46	21 10	17 49	14 50	15 22	20 42		n.a.
M10	5 41	10 56	0 49	15 28	2 21	19 23	0 12	17 46	1 11	1 15	1 40	23 18	0 26	2 30	0 36	13 25	1 46	21 11	17 49	14 49	15 21	20 45		n.a.
T 11	5 17	16 51	0n28	14 54	2 21	19 9	0 15	17 33	1 12	1 12	1 40	23 18	0 26	2 32	0 36	13 26	1 46	21 11	17 49	14 49	15 20	20 47		n.a.
W12	4 54	21 49	1 43	14 18	2 20	18 54	0 19	17 19	1 12	1 10	1 40	23 18	0 26	2 33	0 36	13 26	1 46	21 12	17 49	14 50	15 19	20 49		n.a.
T 13	4 31	25 28	2 51	13 41	2 19	18 39	0 22	17 5	1 12	1 7	1 40	23 18	0 26	2 34	0 36	13 27	1 45	21 13	17 49	14 50	15 18	20 52		n.a.
F 14	4 8	27 30	3 48	13 3	2 18	18 24	0 26	16 51	1 12	1 4	1 40	23 18	0 26	2 36	0 36	13 27	1 45	21 13	17 49	14 50	15 17	20 54		n.a.
S 15	3 45	27 46	4 31	12 22	2 16	18 8	0 29	16 36	1 13	1 1	1 41	23 18	0 26	2 37	0 36	13 28	1 45	21 14	17 49	14 49	15 16	20 57		n.a.
S 16	3 21	26 18	4 58	11 41	2 14	17 51	0 33	16 22	1 13	0 58	1 41	23 18	0 26	2 38	0 36	13 28	1 45	21 15	17 49	14 48	15 15	20 59		n.a.
M17	2 58	23 20	5 8	10 57	2 11	17 34	0 36	16 7	1 13	0 55	1 41	23 18	0 26	2 40	0 36	13 29	1 45	21 15	17 49	14 46	15 14	21 1		n.a.
T 18	2 35	19 9	5 1	10 13	2 7	17 17	0 39	15 52	1 13	0 52	1 41	23 18	0 26	2 41	0 36	13 29	1 45	21 16	17 49	14 44	15 13	21 4		n.a.
W19	2 11	14 6	4 37	9 26	2 3	16 59	0 42	15 37	1 13	0 49	1 41	23 18	0 26	2 42	0 36	13 30	1 45	21 17	17 49	14 41	15 12	21 6		n.a.
T 20	1 48	8 31	4 0	8 38	1 58	16 40	0 45	15 22	1 13	0 46	1 41	23 18	0 26	2 44	0 36	13 30	1 45	21 17	17 49	14 39	15 11	21 9		n.a.
F 21	1 24	2 41	3 12	7 49	1 53	16 21	0 48	15 7	1 14	0 43	1 41	23 18	0 26	2 45	0 36	13 31	1 45	21 18	17 49	14 37	15 10	21 11		n.a.
S 22	1 1	3s10	2 15	6 58	1 48	16 2	0 51	14 52	1 14	0 40	1 41	23 18	0 25	2 46	0 36	13 32	1 45	21 18	17 48	14 35	15 9	21 13		n.a.
S 23	0 37	8 48	1 12	6 6	1 41	15 42	0 54	14 36	1 14	0 37	1 41	23 18	0 25	2 48	0 36	13 32	1 45	21 19	17 48	14 34	15 8	21 16		n.a.
M24	0 14	14 2	0 7	5 13	1 35	15 22	0 57	14 21	1 14	0 34	1 41	23 18	0 25	2 49	0 36	13 33	1 45	21 20	17 48	14 34	15 7	21 18		n.a.
T 25	0n10	18 41	0s57	4 18	1 28	15 1	0 59	14 5	1 14	0 31	1 41	23 18	0 25	2 50	0 36	13 33	1 45	21 20	17 48	14 34	15 6	21 20		n.a.
W26	0 33	22 34	1 59	3 22	1 20	14 40	1 2	13 49	1 14	0 28	1 41	23 18	0 25	2 52	0 36	13 34	1 45	21 21	17 48	14 35	15 5	21 23		n.a.
T 27	0 56	25 32	2 56	2 25	1 12	14 18	1 5	13 33	1 14	0 25	1 41	23 18	0 25	2 53	0 36	13 35	1 45	21 21	17 48	14 35	15 4	21 25		n.a.
F 28	1 20	27 23	3 45	1 27	1 3	13 57	1 7	13 17	1 14	0 22	1 41	23 18	0 25	2 55	0 36	13 35	1 45	21 22	17 48	14 36	15 3	21 28		n.a.
S 29	1 43	27 58	4 26	0 28	0 54	13 34	1 9	13 1	1 14	0 19	1 41	23 18	0 25	2 56	0 36	13 36	1 45	21 22	17 48	14 36	15 2	21 30		n.a.
S 30	2 6	27 12	4 55	0n31	0 45	13 11	1 12	12 44	1 15	0 16	1 41	23 18	0 25	2 57	0 36	13 37	1 45	21 23	17 47	14 35	15 1	21 32		n.a.
M31	2n30	25s 4	5s10	1n32	0s35	12s48	1s14	12s28	1s15	0s13	1n41	23s18	0n25	2n59	0s36	13n37	1s45	21n23	17n47	14n35	15n 0	21s35		n.a.

Julian Day Number = 1630535.5, Delta T = 03h42m10s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'20, Lahiri = - 7°23'19 Julian Calendar 1 March 249 BCE == Greg. Calendar 26 Feb. 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

APRIL 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 21 53	7♈10'52	14♒37	7♈16	1♓ 3	1♓37	4°R14	0♑24	8♈51	10♉56	17°R 9	8°R39	9♉57	28♏21	n.a.	T 1
W 2	12 25 49	8° 8'55	27°58	9°25	2°14	2°22	4♎ 6	0°25	8°54	10°58	17♍ 8	8♉35	9°54	28°27	n.a.	W 2
T 3	12 29 46	9° 6'56	11♓44	11°35	3°25	3° 8	3°59	0°26	8°58	11° 0	17° 6	8°30	9°51	28°34	n.a.	T 3
F 4	12 33 43	10° 4'56	25°53	13°44	4°36	3°54	3°51	0°27	9° 1	11° 2	17° 5	8°26	9°48	28°41	n.a.	F 4
S 5	12 37 39	11° 2'54	10♈21	15°54	5°47	4°40	3°44	0°28	9° 5	11° 4	17° 3	8°23	9°45	28°47	n.a.	S 5
S 6	12 41 36	12° 0'51	25° 1	18° 3	6°58	5°25	3°36	0°29	9° 8	11° 6	17° 2	8°21	9°41	28°54	n.a.	S 6
M 7	12 45 32	12°58'46	9♉48	20°11	8°10	6°11	3°29	0°30	9°11	11° 8	17° 0	8°D21	9°38	29° 1	n.a.	M 7
T 8	12 49 29	13°56'39	24°33	22°19	9°21	6°57	3°21	0°30	9°15	11°10	16°59	8°21	9°35	29° 7	n.a.	T 8
W 9	12 53 25	14°54'30	9♊11	24°24	10°32	7°42	3°14	0°31	9°18	11°12	16°57	8°23	9°32	29°14	n.a.	W 9
T 10	12 57 22	15°52'20	23°37	26°29	11°43	8°28	3° 6	0°31	9°22	11°14	16°56	8°24	9°29	29°20	n.a.	T 10
F 11	13 1 18	16°50'08	7♋48	28°31	12°55	9°13	2°59	0°31	9°25	11°16	16°55	8°25	9°26	29°27	n.a.	F 11
S 12	13 5 15	17°47'54	21°42	0♉31	14° 6	9°59	2°52	0°32	9°29	11°18	16°53	8°R25	9°22	29°34	n.a.	S 12
S 13	13 9 12	18°45'38	5♌19	2°29	15°17	10°44	2°45	0°32	9°32	11°20	16°52	8°24	9°19	29°40	n.a.	S 13
M14	13 13 8	19°43'20	18°39	4°25	16°29	11°29	2°38	0°R32	9°35	11°22	16°50	8°23	9°16	29°47	n.a.	M14
T 15	13 17 5	20°41'00	1♍44	6°18	17°40	12°15	2°31	0°32	9°39	11°24	16°49	8°21	9°13	29°54	n.a.	T 15
W16	13 21 1	21°38'39	14°33	8° 8	18°52	13° 0	2°24	0°32	9°42	11°26	16°48	8°18	9°10	0♐ 0	n.a.	W16
T 17	13 24 58	22°36'16	27°10	9°55	20° 3	13°45	2°17	0°31	9°46	11°29	16°46	8°16	9° 7	0° 7	n.a.	T 17
F 18	13 28 54	23°33'52	9♎33	11°39	21°14	14°30	2°10	0°31	9°49	11°31	16°45	8°14	9° 3	0°14	n.a.	F 18
S 19	13 32 51	24°31'26	21°46	13°20	22°26	15°15	2° 4	0°30	9°52	11°33	16°44	8°13	9° 0	0°20	n.a.	S 19
S 20	13 36 47	25°28'59	3♏50	14°58	23°38	16° 0	1°57	0°30	9°56	11°35	16°43	8°D12	8°57	0°27	n.a.	S 20
M21	13 40 44	26°26'31	15°46	16°32	24°49	16°45	1°51	0°29	9°59	11°37	16°42	8°12	8°54	0°34	n.a.	M21
T 22	13 44 40	27°24'02	27°37	18° 4	26° 1	17°30	1°44	0°28	10° 2	11°39	16°40	8°13	8°51	0°40	n.a.	T 22
W23	13 48 37	28°21'31	9♐26	19°32	27°12	18°15	1°38	0°28	10° 6	11°42	16°39	8°14	8°47	0°47	n.a.	W23
T 24	13 52 34	29°19'00	21°15	20°57	28°24	19° 0	1°32	0°27	10° 9	11°44	16°38	8°15	8°44	0°54	n.a.	T 24
F 25	13 56 30	0♉16'27	3♑ 9	22°18	29°36	19°45	1°26	0°26	10°12	11°46	16°37	8°15	8°41	1° 0	n.a.	F 25
S 26	14 0 27	1°13'54	15°11	23°36	0♈48	20°30	1°20	0°24	10°16	11°48	16°36	8°16	8°38	1° 7	n.a.	S 26
S 27	14 4 23	2°11'19	27°26	24°51	1°59	21°14	1°15	0°23	10°19	11°50	16°35	8°R16	8°35	1°14	n.a.	S 27
M28	14 8 20	3° 8'44	9♒59	26° 2	3°11	21°59	1° 9	0°22	10°22	11°53	16°34	8°16	8°32	1°20	n.a.	M28
T 29	14 12 16	4° 6'08	22°52	27° 9	4°23	22°43	1° 3	0°21	10°25	11°55	16°33	8°16	8°28	1°27	n.a.	T 29
W30	14 16 13	5♉ 3'32	6♓10	28♉13	5♈35	23♓28	0♎58	0♑19	10♈29	11♉57	16♍32	8♉16	8♉25	1♐34	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n53	21s35	5s11	2n32	0s25	12s25	1s16	12s11	1s15	0s10	1n41	23s19	0n25	3n 0	0s36	13n38	1s45	21n24	17n47	14n33	14n59	21s37		n.a.
W 2	3 16	16 55	4 55	3 33	0 14	12 1	1 18	11 55	1 15	0 7	1 41	23 19	0 25	3 1	0 36	13 38	1 45	21 24	17 47	14 32	14 58	21 39		n.a.
T 3	3 39	11 16	4 22	4 35	0 4	11 37	1 20	11 38	1 15	0 4	1 41	23 19	0 25	3 3	0 36	13 39	1 45	21 25	17 47	14 31	14 57	21 42		n.a.
F 4	4 2	4 53	3 32	5 35	0n 7	11 13	1 22	11 21	1 15	0 1	1 40	23 19	0 25	3 4	0 36	13 40	1 44	21 25	17 46	14 29	14 56	21 44		n.a.
S 5	4 25	1n53	2 28	6 36	0 18	10 48	1 24	11 4	1 15	0n 2	1 40	23 19	0 25	3 6	0 36	13 40	1 44	21 25	17 46	14 28	14 54	21 46		n.a.
S 6	4 48	8 41	1 13	7 36	0 28	10 23	1 26	10 48	1 15	0 5	1 40	23 19	0 25	3 7	0 36	13 41	1 44	21 26	17 46	14 28	14 53	21 48		n.a.
M 7	5 11	15 3	0n 8	8 35	0 39	9 58	1 28	10 30	1 15	0 8	1 40	23 19	0 25	3 8	0 36	13 42	1 44	21 26	17 46	14 27	14 52	21 51		n.a.
T 8	5 34	20 33	1 28	9 33	0 49	9 32	1 29	10 13	1 15	0 11	1 40	23 19	0 25	3 10	0 36	13 42	1 44	21 26	17 45	14 28	14 51	21 53		n.a.
W 9	5 57	24 45	2 42	10 30	1 0	9 6	1 31	9 56	1 15	0 14	1 40	23 19	0 25	3 11	0 36	13 43	1 44	21 27	17 45	14 28	14 50	21 55		n.a.
T 10	6 19	27 18	3 44	11 25	1 10	8 40	1 32	9 39	1 15	0 16	1 40	23 19	0 25	3 12	0 36	13 44	1 44	21 27	17 45	14 28	14 49	21 58		n.a.
F 11	6 42	28 1	4 32	12 18	1 19	8 14	1 33	9 22	1 15	0 19	1 40	23 19	0 25	3 14	0 36	13 44	1 44	21 27	17 45	14 29	14 48	22 0		n.a.
S 12	7 4	26 55	5 2	13 10	1 28	7 47	1 35	9 4	1 15	0 22	1 40	23 19	0 25	3 15	0 36	13 45	1 44	21 28	17 44	14 29	14 47	22 2		n.a.
S 13	7 26	24 15	5 15	14 0	1 37	7 20	1 36	8 47	1 15	0 25	1 40	23 19	0 25	3 17	0 36	13 46	1 44	21 28	17 44	14 29	14 46	22 4		n.a.
M14	7 48	20 19	5 10	14 47	1 45	6 53	1 37	8 29	1 15	0 28	1 39	23 19	0 25	3 18	0 36	13 46	1 44	21 28	17 44	14 28	14 45	22 7		n.a.
T 15	8 10	15 29	4 50	15 32	1 52	6 26	1 38	8 12	1 15	0 30	1 39	23 19	0 25	3 19	0 36	13 47	1 44	21 29	17 43	14 27	14 44	22 9		n.a.
W16	8 32	10 3	4 15	16 15	1 59	5 58	1 39	7 54	1 15	0 33	1 39	23 19	0 24	3 21	0 36	13 48	1 44	21 29	17 43	14 27	14 43	22 11		n.a.
T 17	8 54	4 19	3 28	16 56	2 5	5 31	1 40	7 37	1 15	0 35	1 39	23 19	0 24	3 22	0 36	13 48	1 44	21 29	17 43	14 26	14 42	22 14		n.a.
F 18	9 15	1s30	2 32	17 34	2 10	5 3	1 41	7 19	1 15	0 38	1 39	23 19	0 24	3 23	0 36	13 49	1 44	21 29	17 42	14 25	14 41	22 16		n.a.
S 19	9 37	7 12	1 30	18 10	2 15	4 35	1 41	7 1	1 14	0 41	1 39	23 19	0 24	3 25	0 36	13 50	1 44	21 29	17 42	14 25	14 40	22 18		n.a.
S 20	9 58	12 34	0 24	18 44	2 19	4 7	1 42	6 43	1 14	0 43	1 38	23 19	0 24	3 26	0 36	13 51	1 44	21 29	17 42	14 25	14 39	22 20		n.a.
M21	10 19	17 26	0s42	19 15	2 22	3 39	1 43	6 26	1 14	0 45	1 38	23 19	0 24	3 27	0 36	13 51	1 44	21 30	17 41	14 25	14 38	22 22		n.a.
T 22	10 40	21 35	1 46	19 43	2 24	3 11	1 43	6 8	1 14	0 48	1 38	23 19	0 24	3 29	0 36	13 52	1 44	21 30	17 41	14 25	14 37	22 25		n.a.
W23	11 1	24 51	2 45	20 10	2 26	2 42	1 43	5 50	1 14	0 50	1 38	23 19	0 24	3 30	0 36	13 53	1 44	21 30	17 41	14 25	14 36	22 27		n.a.
T 24	11 22	27 2	3 37	20 34	2 27	2 14	1 44	5 32	1 14	0 52	1 38	23 20	0 24	3 31	0 36	13 53	1 44	21 30	17 40	14 25	14 35	22 29		n.a.
F 25	11 42	28 1	4 20	20 55	2 26	1 45	1 44	5 14	1 14	0 55	1 37	23 20	0 24	3 33	0 36	13 54	1 44	21 30	17 40	14 26	14 34	22 31		n.a.
S 26	12 3	27 41	4 52	21 15	2 25	1 16	1 44	4 56	1 14	0 57	1 37	23 20	0 24	3 34	0 36	13 55	1 44	21 30	17 39	14 26	14 33	22 34		n.a.
S 27	12 23	26 1	5 12	21 32	2 24	0 47	1 44	4 38	1 14	0 59	1 37	23 20	0 24	3 35	0 36	13 55	1 44	21 30	17 39	14 26	14 32	22 36		n.a.
M28	12 43	23 3	5 17	21 46	2 21	0 18	1 44	4 20	1 13	1 1	1 37	23 20	0 24	3 36	0 36	13 56	1 44	21 30	17 39	14 26	14 31	22 38		n.a.
T 29	13 2	18 53	5 7	21 59	2 18	0n10	1 44	4 2	1 13	1 3	1 37	23 20	0 24	3 38	0 36	13 57	1 44	21 30	17 38	14 26	14 30	22 40		n.a.
W30	13n22	13s42	4s41	22n10	2n13	0n39	1s44	3s44	1s13	1n 5	1n36	23s20	0n24	3n39	0s36	13n57	1s44	21n30	17n38	14n26	14n29	22s42		n.a.

Julian Day Number = 1630566.5, Delta T = 03h42m09s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'16, Lahiri = - 7°23'15 Julian Calendar 1 Apr. 249 BCE == Greg. Calendar 28 March 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

MAY 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 20 10	6♉ 0'54	19♓54	29♉13	6♈47	24♓12	0°R53	0°R17	10♈32	11♉59	16°R31	8°R15	8♉22	1♐40	n.a.	T 1
F 2	14 24 6	6°58'16	4♈ 4	0♊ 9	7°59	24°57	0♎48	0♏16	10°35	12° 2	16♍30	8♉15	8°19	1°47	n.a.	F 2
S 3	14 28 3	7°55'36	18°38	1° 2	9°11	25°41	0°43	0°14	10°38	12° 4	16°29	8°D15	8°16	1°54	n.a.	S 3
S 4	14 31 59	8°52'56	3♉30	1°50	10°23	26°25	0°38	0°12	10°41	12° 6	16°28	8°R15	8°12	2° 0	n.a.	S 4
M 5	14 35 56	9°50'16	18°33	2°35	11°35	27°10	0°34	0°10	10°44	12° 8	16°27	8°15	8° 9	2° 7	n.a.	M 5
T 6	14 39 52	10°47'34	3♊38	3°15	12°47	27°54	0°29	0° 8	10°47	12°10	16°27	8°15	8° 6	2°14	n.a.	T 6
W 7	14 43 49	11°44'52	18°37	3°52	13°59	28°38	0°25	0° 6	10°51	12°13	16°26	8°15	8° 3	2°20	n.a.	W 7
T 8	14 47 45	12°42'08	3♋22	4°24	15°11	29°22	0°21	0° 4	10°54	12°15	16°25	8°14	8° 0	2°27	n.a.	T 8
F 9	14 51 42	13°39'24	17°47	4°51	16°23	0♈ 6	0°17	0° 2	10°57	12°17	16°24	8°14	7°57	2°34	n.a.	F 9
S 10	14 55 39	14°36'38	1♌49	5°15	17°35	0°50	0°13	29♐59	11° 0	12°19	16°24	8°14	7°53	2°40	n.a.	S 10
S 11	14 59 35	15°33'52	15°27	5°33	18°47	1°34	0°10	29°57	11° 3	12°22	16°23	8°D13	7°50	2°47	n.a.	S 11
M12	15 3 32	16°31'04	28°43	5°48	19°59	2°18	0° 6	29°54	11° 6	12°24	16°22	8°14	7°47	2°54	n.a.	M12
T 13	15 7 28	17°28'16	11♍37	5°57	21°11	3° 1	0° 3	29°52	11° 9	12°26	16°22	8°14	7°44	3° 0	n.a.	T 13
W14	15 11 25	18°25'26	24°13	6° 2	22°24	3°45	29♍59	29°49	11°11	12°28	16°21	8°15	7°41	3° 7	n.a.	W14
T 15	15 15 21	19°22'36	6♎35	6°R 3	23°36	4°29	29°57	29°46	11°14	12°31	16°21	8°16	7°38	3°13	n.a.	T 15
F 16	15 19 18	20°19'45	18°45	5°59	24°48	5°12	29°54	29°43	11°17	12°33	16°20	8°17	7°34	3°20	n.a.	F 16
S 17	15 23 14	21°16'54	0♏45	5°51	26° 0	5°56	29°51	29°40	11°20	12°35	16°20	8°18	7°31	3°27	n.a.	S 17
S 18	15 27 11	22°14'02	12°40	5°38	27°13	6°39	29°49	29°37	11°23	12°37	16°19	8°R18	7°28	3°33	n.a.	S 18
M19	15 31 8	23°11'09	24°30	5°21	28°25	7°22	29°47	29°34	11°26	12°40	16°19	8°17	7°25	3°40	n.a.	M19
T 20	15 35 4	24° 8'16	6♐19	5° 1	29°37	8° 6	29°45	29°31	11°28	12°42	16°18	8°16	7°22	3°47	n.a.	T 20
W21	15 39 1	25° 5'23	18° 9	4°37	0♉50	8°49	29°43	29°28	11°31	12°44	16°18	8°14	7°18	3°53	n.a.	W21
T 22	15 42 57	26° 2'30	0♑ 1	4°10	2° 2	9°32	29°41	29°25	11°34	12°46	16°18	8°11	7°15	4° 0	n.a.	T 22
F 23	15 46 54	26°59'36	11°58	3°40	3°15	10°15	29°39	29°21	11°36	12°48	16°17	8° 8	7°12	4° 7	n.a.	F 23
S 24	15 50 50	27°56'43	24° 4	3° 8	4°27	10°58	29°38	29°18	11°39	12°51	16°17	8° 5	7° 9	4°13	n.a.	S 24
S 25	15 54 47	28°53'49	6♒21	2°35	5°40	11°41	29°37	29°15	11°42	12°53	16°17	8° 3	7° 6	4°20	n.a.	S 25
M26	15 58 43	29°50'55	18°52	2° 0	6°52	12°24	29°36	29°11	11°44	12°55	16°17	8° 2	7° 3	4°27	n.a.	M26
T 27	16 2 40	0♊48'02	1♓43	1°25	8° 5	13° 7	29°35	29° 8	11°47	12°57	16°17	8°D 1	6°59	4°33	n.a.	T 27
W28	16 6 37	1°45'08	14°55	0°49	9°17	13°49	29°34	29° 4	11°49	12°59	16°17	8° 2	6°56	4°40	n.a.	W28
T 29	16 10 33	2°42'15	28°31	0°14	10°30	14°32	29°34	29° 0	11°52	13° 1	16°16	8° 3	6°53	4°47	n.a.	T 29
F 30	16 14 30	3°39'22	12♈33	29♉41	11°43	15°15	29°34	28°56	11°54	13° 3	16°16	8° 4	6°50	4°53	n.a.	F 30
S 31	16 18 26	4♊36'29	27♈ 0	29♉ 9	12♉55	15♈57	29°D34	28♐53	11♈57	13♉ 6	16°D16	8♉ 6	6♉47	5♐ 0	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	13n41	7s41	3s58	22n18	2n 8	1n 8	1s44	3s26	1s13	1n 7	1n36	23s20	0n24	3n40	0s36	13n58	1s44	21n30	17n37	14n26	14n28	22s44			n.a.
F 2	14 0	1 6	2 59	22 25	2 2	1 37	1 43	3 8	1 13	1 9	1 36	23 20	0 24	3 41	0 36	13 59	1 44	21 30	17 37	14 26	14 27	22 47			n.a.
S 3	14 19	5n44	1 47	22 29	1 55	2 6	1 43	2 50	1 13	1 10	1 36	23 20	0 24	3 43	0 36	14 0	1 44	21 30	17 36	14 26	14 26	22 49			n.a.
S 4	14 38	12 25	0 26	22 32	1 48	2 35	1 43	2 32	1 12	1 12	1 35	23 20	0 24	3 44	0 36	14 0	1 44	21 30	17 36	14 26	14 25	22 51			n.a.
M 5	14 56	18 28	0n57	22 33	1 39	3 4	1 42	2 15	1 12	1 14	1 35	23 20	0 24	3 45	0 36	14 1	1 44	21 30	17 35	14 26	14 24	22 53			n.a.
T 6	15 14	23 22	2 16	22 31	1 30	3 33	1 41	1 57	1 12	1 15	1 35	23 20	0 23	3 46	0 36	14 2	1 44	21 30	17 35	14 26	14 23	22 55			n.a.
W 7	15 32	26 39	3 26	22 29	1 19	4 2	1 41	1 39	1 12	1 17	1 35	23 20	0 23	3 48	0 36	14 2	1 44	21 30	17 34	14 25	14 22	22 57			n.a.
T 8	15 50	28 2	4 21	22 24	1 8	4 31	1 40	1 21	1 11	1 18	1 34	23 20	0 23	3 49	0 36	14 3	1 44	21 30	17 34	14 25	14 21	23 0			n.a.
F 9	16 8	27 26	4 57	22 17	0 57	5 0	1 39	1 3	1 11	1 19	1 34	23 20	0 23	3 50	0 36	14 4	1 44	21 29	17 34	14 25	14 19	23 2			n.a.
S 10	16 25	25 7	5 15	22 9	0 44	5 28	1 38	0 45	1 11	1 21	1 34	23 20	0 23	3 51	0 36	14 4	1 44	21 29	17 33	14 25	14 18	23 4			n.a.
S 11	16 42	21 24	5 15	22 0	0 31	5 57	1 37	0 27	1 11	1 22	1 34	23 20	0 23	3 52	0 36	14 5	1 44	21 29	17 33	14 25	14 17	23 6			n.a.
M12	16 59	16 42	4 57	21 49	0 17	6 25	1 36	0 9	1 10	1 23	1 33	23 21	0 23	3 54	0 36	14 6	1 44	21 29	17 32	14 25	14 16	23 8			n.a.
T 13	17 15	11 22	4 25	21 36	0 3	6 54	1 35	0n 9	1 10	1 24	1 33	23 21	0 23	3 55	0 36	14 7	1 44	21 29	17 32	14 25	14 15	23 10			n.a.
W14	17 31	5 42	3 41	21 22	0s13	7 22	1 34	0 26	1 10	1 25	1 33	23 21	0 23	3 56	0 36	14 7	1 44	21 28	17 31	14 26	14 14	23 12			n.a.
T 15	17 47	0s 6	2 47	21 7	0 28	7 50	1 33	0 44	1 10	1 26	1 33	23 21	0 23	3 57	0 36	14 8	1 44	21 28	17 31	14 26	14 13	23 14			n.a.
F 16	18 3	5 48	1 46	20 50	0 44	8 18	1 32	1 2	1 9	1 27	1 32	23 21	0 23	3 58	0 36	14 9	1 44	21 28	17 30	14 26	14 12	23 16			n.a.
S 17	18 18	11 14	0 42	20 33	1 1	8 46	1 30	1 20	1 9	1 28	1 32	23 21	0 23	3 59	0 36	14 9	1 44	21 28	17 29	14 26	14 11	23 18			n.a.
S 18	18 33	16 12	0s24	20 14	1 17	9 13	1 29	1 37	1 9	1 28	1 32	23 21	0 23	4 0	0 36	14 10	1 44	21 27	17 29	14 26	14 10	23 21			n.a.
M19	18 48	20 33	1 29	19 55	1 34	9 41	1 28	1 55	1 8	1 29	1 31	23 21	0 23	4 1	0 36	14 11	1 44	21 27	17 28	14 26	14 9	23 23			n.a.
T 20	19 2	24 4	2 29	19 35	1 50	10 8	1 26	2 12	1 8	1 30	1 31	23 21	0 23	4 2	0 36	14 11	1 44	21 27	17 28	14 26	14 8	23 25			n.a.
W21	19 16	26 33	3 23	19 14	2 7	10 35	1 24	2 30	1 8	1 30	1 31	23 21	0 23	4 4	0 36	14 12	1 44	21 26	17 27	14 25	14 7	23 27			n.a.
T 22	19 30	27 52	4 8	18 53	2 23	11 2	1 23	2 47	1 7	1 31	1 31	23 21	0 23	4 5	0 36	14 13	1 44	21 26	17 27	14 24	14 6	23 29			n.a.
F 23	19 43	27 53	4 43	18 33	2 39	11 28	1 21	3 5	1 7	1 31	1 30	23 21	0 22	4 6	0 36	14 13	1 44	21 26	17 26	14 23	14 5	23 31			n.a.
S 24	19 56	26 34	5 6	18 12	2 54	11 55	1 20	3 22	1 7	1 31	1 30	23 21	0 22	4 7	0 36	14 14	1 44	21 25	17 26	14 22	14 4	23 33			n.a.
S 25	20 9	23 59	5 15	17 51	3 8	12 21	1 18	3 40	1 6	1 31	1 30	23 21	0 22	4 8	0 36	14 15	1 44	21 25	17 25	14 22	14 3	23 35			n.a.
M26	20 22	20 14	5 9	17 31	3 22	12 47	1 16	3 57	1 6	1 32	1 29	23 21	0 22	4 9	0 36	14 15	1 44	21 24	17 25	14 21	14 2	23 37			n.a.
T 27	20 34	15 28	4 49	17 12	3 34	13 12	1 14	4 14	1 6	1 32	1 29	23 21	0 22	4 10	0 36	14 16	1 44	21 24	17 24	14 21	14 1	23 39			n.a.
W28	20 46	9 53	4 12	16 54	3 45	13 37	1 12	4 31	1 5	1 32	1 29	23 21	0 22	4 11	0 36	14 16	1 44	21 24	17 24	14 21	14 0	23 41			n.a.
T 29	20 57	3 40	3 21	16 37	3 55	14 2	1 10	4 48	1 5	1 31	1 28	23 21	0 22	4 12	0 36	14 17	1 44	21 23	17 23	14 22	13 59	23 43			n.a.
F 30	21 8	2n56	2 16	16 22	4 4	14 27	1 8	5 5	1 4	1 31	1 28	23 21	0 22	4 12	0 36	14 18	1 44	21 23	17 22	14 22	13 57	23 45			n.a.
S 31	21n19	9n35	1s 1	16n 8	4s11	14n51	1s 6	5n22	1s 4	1n31	1n28	23s21	0n22	4n13	0s36	14n18	1s44	21n22	17n22	14n22	13n56	23s47			n.a.

Julian Day Number = 1630596.5, Delta T = 03h42m08s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'12, Lahiri = - 7°23'11 Julian Calendar 1 May 249 BCE == Greg. Calendar 27 Apr. 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

JUNE 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 22 23	5♊33'36	11♉49	28°R40	14♉ 8	16♈40	29♍34	28°R49	11♈59	13♉ 8	16♍16	8°R 6	6♉44	5♐ 7	n.a.	S 1
M 2	16 26 19	6°30'44	26°55	28♉14	15°21	17°22	29°34	28♐45	12° 1	13°10	16°16	8♉ 5	6°40	5°13	n.a.	M 2
T 3	16 30 16	7°27'52	12♊ 7	27°51	16°33	18° 4	29°34	28°41	12° 4	13°12	16°17	8° 3	6°37	5°20	n.a.	T 3
W 4	16 34 13	8°25'00	27°18	27°31	17°46	18°47	29°35	28°37	12° 6	13°14	16°17	7°59	6°34	5°27	n.a.	W 4
T 5	16 38 9	9°22'08	12♋17	27°16	18°59	19°29	29°36	28°33	12° 8	13°16	16°17	7°55	6°31	5°33	n.a.	T 5
F 6	16 42 6	10°19'16	26°55	27° 5	20°12	20°11	29°37	28°29	12°10	13°18	16°17	7°50	6°28	5°40	n.a.	F 6
S 7	16 46 2	11°16'24	11♌ 8	26°59	21°25	20°53	29°38	28°25	12°12	13°20	16°17	7°47	6°24	5°47	n.a.	S 7
S 8	16 49 59	12°13'31	24°53	26°D58	22°38	21°35	29°39	28°21	12°14	13°22	16°18	7°44	6°21	5°53	n.a.	S 8
M 9	16 53 55	13°10'39	8♍10	27° 2	23°51	22°17	29°41	28°17	12°17	13°24	16°18	7°D43	6°18	6° 0	n.a.	M 9
T 10	16 57 52	14° 7'47	21° 3	27°11	25° 4	22°58	29°43	28°12	12°19	13°26	16°18	7°43	6°15	6° 7	n.a.	T 10
W11	17 1 48	15° 4'54	3♎34	27°25	26°17	23°40	29°44	28° 8	12°21	13°28	16°18	7°44	6°12	6°13	n.a.	W11
T 12	17 5 45	16° 2'02	15°48	27°45	27°29	24°22	29°46	28° 4	12°23	13°30	16°19	7°45	6° 9	6°20	n.a.	T 12
F 13	17 9 42	16°59'10	27°50	28°10	28°43	25° 3	29°49	28° 0	12°24	13°32	16°19	7°47	6° 5	6°27	n.a.	F 13
S 14	17 13 38	17°56'18	9♏44	28°40	29°56	25°45	29°51	27°55	12°26	13°34	16°20	7°R47	6° 2	6°33	n.a.	S 14
S 15	17 17 35	18°53'27	21°33	29°16	1♊ 9	26°26	29°54	27°51	12°28	13°36	16°20	7°46	5°59	6°40	n.a.	S 15
M16	17 21 31	19°50'36	3♐21	29°57	2°22	27° 7	29°56	27°47	12°30	13°38	16°21	7°43	5°56	6°47	n.a.	M16
T 17	17 25 28	20°47'46	15°11	0♊43	3°35	27°49	29°59	27°42	12°32	13°40	16°21	7°38	5°53	6°53	n.a.	T 17
W18	17 29 24	21°44'56	27° 4	1°34	4°48	28°30	0♎ 2	27°38	12°33	13°41	16°22	7°32	5°50	7° 0	n.a.	W18
T 19	17 33 21	22°42'07	9♑ 2	2°31	6° 1	29°11	0° 6	27°33	12°35	13°43	16°23	7°24	5°46	7° 7	n.a.	T 19
F 20	17 37 17	23°39'18	21° 8	3°32	7°14	29°52	0° 9	27°29	12°37	13°45	16°23	7°16	5°43	7°13	n.a.	F 20
S 21	17 41 14	24°36'30	3♒22	4°39	8°28	0♉33	0°13	27°25	12°38	13°47	16°24	7° 7	5°40	7°20	n.a.	S 21
S 22	17 45 11	25°33'43	15°46	5°50	9°41	1°13	0°16	27°20	12°40	13°49	16°25	7° 0	5°37	7°27	n.a.	S 22
M23	17 49 7	26°30'57	28°23	7° 7	10°54	1°54	0°20	27°16	12°41	13°51	16°25	6°55	5°34	7°33	n.a.	M23
T 24	17 53 4	27°28'12	11♓15	8°28	12° 8	2°35	0°24	27°11	12°43	13°52	16°26	6°52	5°30	7°40	n.a.	T 24
W25	17 57 0	28°25'28	24°25	9°53	13°21	3°15	0°29	27° 7	12°44	13°54	16°27	6°D50	5°27	7°47	n.a.	W25
T 26	18 0 57	29°22'45	7♈54	11°23	14°34	3°56	0°33	27° 2	12°45	13°56	16°28	6°50	5°24	7°53	n.a.	T 26
F 27	18 4 53	0♋20'04	21°45	12°57	15°48	4°36	0°38	26°58	12°47	13°57	16°29	6°51	5°21	8° 0	n.a.	F 27
S 28	18 8 50	1°17'23	6♉ 0	14°36	17° 1	5°16	0°42	26°54	12°48	13°59	16°30	6°R52	5°18	8° 7	n.a.	S 28
S 29	18 12 47	2°14'44	20°36	16°18	18°15	5°57	0°47	26°49	12°49	14° 1	16°31	6°51	5°15	8°13	n.a.	S 29
M30	18 16 43	3♋12'06	5♊29	18♊ 3	19♊29	6♉37	0♎52	26♐45	12♈50	14♉ 2	16♍32	6♉48	5♉11	8♐20	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n29	15n53	0n20	15n56	4s16	15n15	1s 4	5n39	1s 4	1n31	1n28	23s22	0n22	4n14	0s36	14n19	1s44	21n22	17n21	14n23	13n55	23s49		n.a.
M 2	21 39	21 21	1 41	15 46	4 21	15 39	1 2	5 56	1 3	1 30	1 27	23 22	0 22	4 15	0 36	14 20	1 44	21 21	17 21	14 22	13 54	23 51		n.a.
T 3	21 49	25 25	2 56	15 38	4 23	16 2	1 0	6 12	1 3	1 30	1 27	23 22	0 22	4 16	0 36	14 20	1 44	21 20	17 20	14 21	13 53	23 53		n.a.
W 4	21 58	27 39	3 57	15 33	4 25	16 25	0 58	6 29	1 2	1 29	1 27	23 22	0 22	4 17	0 36	14 21	1 44	21 20	17 20	14 20	13 52	23 55		n.a.
T 5	22 7	27 50	4 42	15 29	4 25	16 47	0 56	6 46	1 2	1 29	1 26	23 22	0 22	4 18	0 36	14 21	1 44	21 19	17 19	14 19	13 51	23 57		n.a.
F 6	22 16	26 2	5 7	15 28	4 23	17 9	0 53	7 2	1 1	1 28	1 26	23 22	0 21	4 19	0 36	14 22	1 44	21 19	17 19	14 17	13 50	23 59		n.a.
S 7	22 24	22 38	5 12	15 30	4 20	17 31	0 51	7 18	1 1	1 27	1 26	23 22	0 21	4 20	0 36	14 23	1 44	21 18	17 18	14 16	13 49	24 1		n.a.
S 8	22 32	18 4	4 59	15 34	4 16	17 52	0 49	7 35	1 0	1 27	1 25	23 22	0 21	4 20	0 36	14 23	1 44	21 18	17 17	14 15	13 48	24 3		n.a.
M 9	22 39	12 46	4 29	15 39	4 11	18 12	0 47	7 51	1 0	1 26	1 25	23 22	0 21	4 21	0 36	14 24	1 44	21 17	17 17	14 15	13 47	24 5		n.a.
T 10	22 46	7 4	3 48	15 48	4 5	18 33	0 44	8 7	1 0	1 25	1 25	23 22	0 21	4 22	0 36	14 24	1 44	21 16	17 16	14 15	13 46	24 7		n.a.
W11	22 53	1 15	2 56	15 58	3 57	18 52	0 42	8 23	0 59	1 24	1 25	23 22	0 21	4 23	0 36	14 25	1 44	21 16	17 16	14 15	13 45	24 9		n.a.
T 12	22 59	4s30	1 57	16 11	3 49	19 12	0 39	8 39	0 59	1 23	1 24	23 22	0 21	4 23	0 36	14 26	1 44	21 15	17 15	14 16	13 44	24 11		n.a.
F 13	23 5	9 59	0 54	16 25	3 40	19 31	0 37	8 55	0 58	1 21	1 24	23 22	0 21	4 24	0 36	14 26	1 44	21 14	17 15	14 16	13 43	24 13		n.a.
S 14	23 10	15 4	0s11	16 42	3 30	19 49	0 35	9 10	0 58	1 20	1 24	23 22	0 21	4 25	0 36	14 27	1 44	21 14	17 14	14 16	13 42	24 15		n.a.
S 15	23 15	19 34	1 14	17 0	3 19	20 7	0 32	9 26	0 57	1 19	1 23	23 22	0 21	4 26	0 36	14 27	1 44	21 13	17 13	14 16	13 41	24 16		n.a.
M16	23 20	23 16	2 14	17 19	3 8	20 24	0 30	9 42	0 57	1 18	1 23	23 22	0 21	4 26	0 36	14 28	1 44	21 12	17 13	14 15	13 39	24 18		n.a.
T 17	23 24	26 1	3 9	17 41	2 56	20 40	0 27	9 57	0 56	1 16	1 23	23 22	0 21	4 27	0 36	14 28	1 44	21 11	17 12	14 14	13 38	24 20		n.a.
W18	23 28	27 36	3 55	18 3	2 44	20 57	0 25	10 12	0 55	1 15	1 23	23 22	0 20	4 28	0 36	14 29	1 44	21 11	17 12	14 11	13 37	24 22		n.a.
T 19	23 31	27 55	4 31	18 27	2 31	21 12	0 22	10 28	0 55	1 13	1 22	23 22	0 20	4 28	0 37	14 29	1 44	21 10	17 11	14 9	13 36	24 24		n.a.
F 20	23 34	26 54	4 55	18 52	2 18	21 27	0 20	10 43	0 54	1 11	1 22	23 22	0 20	4 29	0 37	14 30	1 44	21 9	17 11	14 6	13 35	24 26		n.a.
S 21	23 37	24 36	5 7	19 17	2 4	21 42	0 17	10 58	0 54	1 10	1 22	23 22	0 20	4 29	0 37	14 30	1 44	21 8	17 10	14 3	13 34	24 28		n.a.
S 22	23 39	21 7	5 4	19 43	1 51	21 55	0 15	11 13	0 53	1 8	1 21	23 22	0 20	4 30	0 37	14 31	1 44	21 8	17 10	14 1	13 33	24 30		n.a.
M23	23 41	16 38	4 46	20 10	1 37	22 9	0 12	11 27	0 53	1 6	1 21	23 22	0 20	4 31	0 37	14 31	1 44	21 7	17 9	13 59	13 32	24 32		n.a.
T 24	23 42	11 20	4 14	20 36	1 23	22 21	0 10	11 42	0 52	1 4	1 21	23 22	0 20	4 31	0 37	14 32	1 45	21 6	17 8	13 58	13 31	24 33		n.a.
W25	23 43	5 25	3 28	21 3	1 10	22 33	0 7	11 56	0 52	1 2	1 20	23 22	0 20	4 32	0 37	14 32	1 45	21 5	17 8	13 58	13 30	24 35		n.a.
T 26	23 44	0n53	2 29	21 29	0 56	22 44	0 5	12 11	0 51	1 0	1 20	23 22	0 20	4 32	0 37	14 33	1 45	21 4	17 7	13 58	13 29	24 37		n.a.
F 27	23 44	7 20	1 20	21 55	0 43	22 55	0 2	12 25	0 50	0 58	1 20	23 22	0 20	4 33	0 37	14 33	1 45	21 3	17 7	13 58	13 28	24 39		n.a.
S 28	23 43	13 36	0 5	22 20	0 29	23 5	0n 0	12 39	0 50	0 56	1 20	23 22	0 20	4 33	0 37	14 34	1 45	21 3	17 6	13 58	13 27	24 41		n.a.
S 29	23 42	19 17	1n13	22 44	0 16	23 15	0 3	12 53	0 49	0 54	1 19	23 22	0 19	4 33	0 37	14 34	1 45	21 2	17 6	13 58	13 26	24 43		n.a.
M30	23n41	23n53	2n27	23n 7	0s 4	23n23	0n 5	13n 7	0s48	0n51	1n19	23s22	0n19	4n34	0s37	14n35	1s45	21n 1	17n 5	13n57	13n25	24s44		n.a.

Julian Day Number = 1630627.5, Delta T = 03h42m07s
Ecliptic obliquity = 23°43'38, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'07, Lahiri = - 7°23'07 Julian Calendar 1 June 249 BCE == Greg. Calendar 28 May 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

JULY 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 20 40	4♋ 9'29	20♊34	19♊52	20♊42	7♉17	0♎57	26°R40	12♈51	14♉ 4	16♍33	6°R43	5♉ 8	8♐27	n.a.	T 1
W 2	18 24 36	5° 6'53	5♋41	21°44	21°56	7°57	1° 3	26♐36	12°52	14° 5	16°34	6♉36	5° 5	8°33	n.a.	W 2
T 3	18 28 33	6° 4'18	20°41	23°39	23° 9	8°36	1° 8	26°32	12°53	14° 7	16°35	6°27	5° 2	8°40	n.a.	T 3
F 4	18 32 29	7° 1'45	5♌24	25°36	24°23	9°16	1°14	26°27	12°54	14° 9	16°36	6°18	4°59	8°47	n.a.	F 4
S 5	18 36 26	7°59'12	19°43	27°35	25°37	9°56	1°20	26°23	12°55	14°10	16°37	6°10	4°56	8°53	n.a.	S 5
S 6	18 40 22	8°56'40	3♍33	29°36	26°50	10°35	1°26	26°19	12°56	14°11	16°38	6° 3	4°52	9° 0	n.a.	S 6
M 7	18 44 19	9°54'09	16°55	1♋38	28° 4	11°15	1°32	26°14	12°57	14°13	16°39	5°59	4°49	9° 7	n.a.	M 7
T 8	18 48 16	10°51'39	29°50	3°40	29°18	11°54	1°38	26°10	12°58	14°14	16°41	5°56	4°46	9°13	n.a.	T 8
W 9	18 52 12	11°49'09	12♎21	5°44	0♋32	12°33	1°44	26° 6	12°58	14°16	16°42	5°D56	4°43	9°20	n.a.	W 9
T 10	18 56 9	12°46'41	24°34	7°47	1°46	13°13	1°51	26° 2	12°59	14°17	16°43	5°56	4°40	9°27	n.a.	T 10
F 11	19 0 5	13°44'14	6♏34	9°51	2°59	13°52	1°57	25°58	13° 0	14°18	16°44	5°R57	4°36	9°33	n.a.	F 11
S 12	19 4 2	14°41'48	18°25	11°54	4°13	14°31	2° 4	25°54	13° 0	14°20	16°46	5°56	4°33	9°40	n.a.	S 12
S 13	19 7 58	15°39'23	0♐13	13°57	5°27	15° 9	2°11	25°50	13° 1	14°21	16°47	5°53	4°30	9°47	n.a.	S 13
M14	19 11 55	16°36'59	12° 2	16° 0	6°41	15°48	2°18	25°46	13° 1	14°22	16°49	5°48	4°27	9°53	n.a.	M14
T 15	19 15 51	17°34'36	23°55	18° 1	7°55	16°27	2°25	25°42	13° 2	14°24	16°50	5°40	4°24	10° 0	n.a.	T 15
W16	19 19 48	18°32'15	5♑55	20° 2	9° 9	17° 5	2°33	25°38	13° 2	14°25	16°51	5°30	4°21	10° 7	n.a.	W16
T 17	19 23 45	19°29'55	18° 3	22° 1	10°23	17°44	2°40	25°34	13° 2	14°26	16°53	5°18	4°17	10°14	n.a.	T 17
F 18	19 27 41	20°27'37	0♒21	23°59	11°37	18°22	2°48	25°30	13° 3	14°27	16°54	5° 5	4°14	10°20	n.a.	F 18
S 19	19 31 38	21°25'20	12°49	25°56	12°51	19° 0	2°55	25°26	13° 3	14°28	16°56	4°52	4°11	10°27	n.a.	S 19
S 20	19 35 34	22°23'04	25°28	27°52	14° 6	19°38	3° 3	25°23	13° 3	14°29	16°58	4°41	4° 8	10°34	n.a.	S 20
M21	19 39 31	23°20'51	8♓18	29°47	15°20	20°16	3°11	25°19	13° 3	14°30	16°59	4°32	4° 5	10°40	n.a.	M21
T 22	19 43 27	24°18'39	21°19	1♈40	16°34	20°54	3°19	25°15	13° 3	14°31	17° 1	4°26	4° 2	10°47	n.a.	T 22
W23	19 47 24	25°16'29	4♈34	3°32	17°48	21°32	3°27	25°12	13°R 3	14°32	17° 2	4°23	3°58	10°54	n.a.	W23
T 24	19 51 20	26°14'20	18° 4	5°23	19° 2	22°10	3°36	25° 8	13° 3	14°33	17° 4	4°22	3°55	11° 0	n.a.	T 24
F 25	19 55 17	27°12'14	1♉50	7°12	20°17	22°47	3°44	25° 5	13° 3	14°34	17° 6	4°22	3°52	11° 7	n.a.	F 25
S 26	19 59 14	28°10'10	15°52	9° 0	21°31	23°25	3°53	25° 2	13° 3	14°35	17° 7	4°21	3°49	11°14	n.a.	S 26
S 27	20 3 10	29° 8'07	0♊12	10°47	22°45	24° 2	4° 1	24°58	13° 3	14°36	17° 9	4°20	3°46	11°20	n.a.	S 27
M28	20 7 7	0♌ 6'07	14°47	12°32	24° 0	24°39	4°10	24°55	13° 3	14°37	17°11	4°16	3°42	11°27	n.a.	M28
T 29	20 11 3	1° 4'09	29°32	14°16	25°14	25°16	4°19	24°52	13° 2	14°38	17°13	4° 9	3°39	11°34	n.a.	T 29
W30	20 15 0	2° 2'13	14♋22	15°59	26°28	25°53	4°28	24°49	13° 2	14°38	17°15	4° 0	3°36	11°40	n.a.	W30
T 31	20 18 56	3♌ 0'18	29♋ 7	17♌40	27♋43	26♉30	4♎37	24♐46	13♈ 2	14♉39	17♍16	3♉49	3♉33	11♐47	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n40	26n54	3n32	23n28	0n 8	23n31	0n 7	13n21	0s48	0n49	1n19	23s22	0n19	4n34	0s37	14n35	1s45	21n 0	17n 5	13n55	13n23	24s46			n.a.
W 2	23 38	27 58	4 22	23 48	0 20	23 39	0 10	13 35	0 47	0 47	1 19	23 22	0 19	4 35	0 37	14 36	1 45	20 59	17 4	13 53	13 22	24 48			n.a.
T 3	23 35	26 56	4 53	24 5	0 31	23 45	0 12	13 48	0 47	0 44	1 18	23 22	0 19	4 35	0 37	14 36	1 45	20 58	17 4	13 50	13 21	24 50			n.a.
F 4	23 32	24 3	5 4	24 20	0 41	23 51	0 15	14 2	0 46	0 42	1 18	23 22	0 19	4 35	0 37	14 36	1 45	20 57	17 3	13 47	13 20	24 52			n.a.
S 5	23 29	19 45	4 56	24 33	0 51	23 56	0 17	14 15	0 45	0 39	1 18	23 22	0 19	4 36	0 37	14 37	1 45	20 56	17 3	13 44	13 19	24 54			n.a.
S 6	23 25	14 31	4 30	24 43	1 0	24 1	0 19	14 28	0 45	0 37	1 17	23 22	0 19	4 36	0 37	14 37	1 45	20 55	17 2	13 42	13 18	24 55			n.a.
M 7	23 21	8 45	3 51	24 51	1 8	24 5	0 22	14 41	0 44	0 34	1 17	23 22	0 19	4 36	0 37	14 38	1 45	20 54	17 2	13 40	13 17	24 57			n.a.
T 8	23 17	2 49	3 0	24 56	1 15	24 8	0 24	14 54	0 43	0 31	1 17	23 22	0 19	4 37	0 37	14 38	1 45	20 54	17 1	13 40	13 16	24 59			n.a.
W 9	23 12	3s 4	2 2	24 58	1 22	24 10	0 26	15 7	0 43	0 28	1 17	23 22	0 18	4 37	0 37	14 38	1 45	20 53	17 1	13 39	13 15	25 1			n.a.
T 10	23 6	8 42	1 0	24 57	1 28	24 12	0 29	15 20	0 42	0 25	1 16	23 22	0 18	4 37	0 37	14 39	1 45	20 52	17 0	13 40	13 14	25 2			n.a.
F 11	23 1	13 55	0s 3	24 54	1 33	24 13	0 31	15 32	0 41	0 22	1 16	23 22	0 18	4 37	0 37	14 39	1 45	20 51	17 0	13 40	13 13	25 4			n.a.
S 12	22 54	18 34	1 6	24 48	1 37	24 13	0 33	15 44	0 40	0 20	1 16	23 22	0 18	4 38	0 37	14 39	1 45	20 50	16 59	13 39	13 12	25 6			n.a.
S 13	22 48	22 29	2 5	24 39	1 41	24 12	0 35	15 57	0 40	0 17	1 16	23 22	0 18	4 38	0 37	14 40	1 45	20 49	16 59	13 39	13 10	25 8			n.a.
M14	22 41	25 28	2 59	24 28	1 43	24 11	0 38	16 9	0 39	0 13	1 15	23 22	0 18	4 38	0 37	14 40	1 45	20 48	16 58	13 37	13 9	25 9			n.a.
T 15	22 33	27 20	3 46	24 14	1 45	24 9	0 40	16 21	0 38	0 10	1 15	23 21	0 18	4 38	0 37	14 40	1 45	20 47	16 58	13 34	13 8	25 11			n.a.
W16	22 26	27 58	4 22	23 58	1 47	24 6	0 42	16 32	0 38	0 7	1 15	23 21	0 18	4 38	0 37	14 41	1 45	20 46	16 57	13 31	13 7	25 13			n.a.
T 17	22 17	27 14	4 47	23 40	1 47	24 3	0 44	16 44	0 37	0 4	1 15	23 21	0 18	4 38	0 37	14 41	1 45	20 45	16 57	13 27	13 6	25 15			n.a.
F 18	22 9	25 11	5 0	23 20	1 47	23 58	0 46	16 56	0 36	0 1	1 14	23 21	0 18	4 38	0 37	14 41	1 46	20 44	16 56	13 22	13 5	25 16			n.a.
S 19	22 0	21 55	4 58	22 58	1 47	23 53	0 48	17 7	0 35	0s 3	1 14	23 21	0 17	4 38	0 37	14 42	1 46	20 43	16 56	13 18	13 4	25 18			n.a.
S 20	21 51	17 36	4 42	22 34	1 46	23 48	0 50	17 18	0 35	0 6	1 14	23 21	0 17	4 39	0 37	14 42	1 46	20 42	16 55	13 14	13 3	25 20			n.a.
M21	21 41	12 25	4 11	22 8	1 44	23 41	0 52	17 29	0 34	0 9	1 14	23 21	0 17	4 39	0 37	14 42	1 46	20 41	16 55	13 11	13 2	25 21			n.a.
T 22	21 31	6 38	3 27	21 41	1 42	23 34	0 54	17 40	0 33	0 13	1 13	23 21	0 17	4 39	0 37	14 42	1 46	20 39	16 55	13 9	13 1	25 23			n.a.
W23	21 20	0 28	2 31	21 12	1 39	23 26	0 55	17 51	0 32	0 16	1 13	23 21	0 17	4 39	0 37	14 43	1 46	20 38	16 54	13 8	13 0	25 25			n.a.
T 24	21 9	5n52	1 25	20 42	1 36	23 18	0 57	18 1	0 31	0 20	1 13	23 21	0 17	4 39	0 37	14 43	1 46	20 37	16 54	13 8	12 59	25 26			n.a.
F 25	20 58	12 2	0 13	20 11	1 32	23 9	0 59	18 12	0 31	0 24	1 13	23 21	0 17	4 38	0 37	14 43	1 46	20 36	16 53	13 8	12 57	25 28			n.a.
S 26	20 47	17 45	1n 1	19 38	1 28	22 59	1 1	18 22	0 30	0 27	1 12	23 21	0 17	4 38	0 37	14 43	1 46	20 35	16 53	13 8	12 56	25 30			n.a.
S 27	20 35	22 35	2 12	19 5	1 24	22 48	1 2	18 32	0 29	0 31	1 12	23 21	0 17	4 38	0 37	14 44	1 46	20 34	16 52	13 7	12 55	25 31			n.a.
M28	20 22	26 6	3 16	18 31	1 19	22 37	1 4	18 42	0 28	0 35	1 12	23 21	0 17	4 38	0 37	14 44	1 46	20 33	16 52	13 6	12 54	25 33			n.a.
T 29	20 10	27 51	4 8	17 55	1 14	22 25	1 5	18 52	0 27	0 38	1 12	23 21	0 16	4 38	0 38	14 44	1 46	20 32	16 52	13 3	12 53	25 35			n.a.
W30	19 57	27 38	4 43	17 20	1 9	22 12	1 7	19 2	0 26	0 42	1 12	23 21	0 16	4 38	0 38	14 44	1 46	20 31	16 51	13 0	12 52	25 36			n.a.
T 31	19n43	25n27	4n59	16n43	1n 3	21n59	1n 8	19n12	0s26	0s46	1n11	23s21	0n16	4n38	0s38	14n44	1s46	20n30	16n51	12n56	12n51	25s38			n.a.

Julian Day Number = 1630657.5, Delta T = 03h42m06s
Ecliptic obliquity = 23°43'38, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°30'03, Lahiri = - 7°23'03 Julian Calendar 1 July 249 BCE == Greg. Calendar 27 June 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

AUGUST 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 22 53	3♌58'26	13♌41	19♌20	28♋57	27♉ 7	4♎46	24°R43	13°R 1	14♉40	17♍18	3°R37	3♉30	11♐54	n.a.	F 1
S 2	20 26 49	4°56'35	27°54	20°59	0♌12	27°44	4°56	24♐40	13♈ 1	14°41	17°20	3♉26	3°27	12° 0	n.a.	S 2
S 3	20 30 46	5°54'45	11♍43	22°37	1°26	28°20	5° 5	24°37	13° 0	14°41	17°22	3°17	3°23	12° 7	n.a.	S 3
M 4	20 34 43	6°52'57	25° 5	24°14	2°41	28°56	5°15	24°34	13° 0	14°42	17°24	3°10	3°20	12°14	n.a.	M 4
T 5	20 38 39	7°51'11	8♎ 2	25°49	3°55	29°33	5°24	24°32	12°59	14°42	17°26	3° 6	3°17	12°20	n.a.	T 5
W 6	20 42 36	8°49'27	20°35	27°23	5°10	0♊ 9	5°34	24°29	12°59	14°43	17°28	3° 4	3°14	12°27	n.a.	W 6
T 7	20 46 32	9°47'44	2♏49	28°56	6°25	0°45	5°44	24°27	12°58	14°44	17°30	3° 4	3°11	12°34	n.a.	T 7
F 8	20 50 29	10°46'03	14°50	0♍28	7°39	1°20	5°54	24°24	12°57	14°44	17°32	3° 4	3° 8	12°40	n.a.	F 8
S 9	20 54 25	11°44'23	26°42	1°58	8°54	1°56	6° 4	24°22	12°56	14°45	17°34	3° 3	3° 4	12°47	n.a.	S 9
S 10	20 58 22	12°42'46	8♐31	3°27	10° 9	2°32	6°14	24°20	12°55	14°45	17°36	3° 1	3° 1	12°54	n.a.	S 10
M11	21 2 18	13°41'10	20°22	4°55	11°23	3° 7	6°24	24°18	12°55	14°45	17°38	2°56	2°58	13° 0	n.a.	M11
T 12	21 6 15	14°39'35	2♑19	6°22	12°38	3°42	6°35	24°16	12°54	14°46	17°40	2°48	2°55	13° 7	n.a.	T 12
W13	21 10 12	15°38'03	14°25	7°48	13°53	4°17	6°45	24°14	12°53	14°46	17°42	2°38	2°52	13°14	n.a.	W13
T 14	21 14 8	16°36'32	26°44	9°12	15° 7	4°52	6°56	24°12	12°52	14°46	17°44	2°26	2°48	13°20	n.a.	T 14
F 15	21 18 5	17°35'04	9♒16	10°35	16°22	5°27	7° 6	24°10	12°50	14°47	17°46	2°14	2°45	13°27	n.a.	F 15
S 16	21 22 1	18°33'37	22° 1	11°57	17°37	6° 2	7°17	24° 9	12°49	14°47	17°48	2° 1	2°42	13°34	n.a.	S 16
S 17	21 25 58	19°32'12	4♓59	13°17	18°52	6°36	7°28	24° 7	12°48	14°47	17°51	1°50	2°39	13°40	n.a.	S 17
M18	21 29 54	20°30'50	18° 9	14°36	20° 7	7°11	7°38	24° 5	12°47	14°47	17°53	1°41	2°36	13°47	n.a.	M18
T 19	21 33 51	21°29'29	1♈30	15°54	21°21	7°45	7°49	24° 4	12°46	14°47	17°55	1°35	2°33	13°54	n.a.	T 19
W20	21 37 47	22°28'11	15° 1	17°10	22°36	8°19	8° 0	24° 3	12°44	14°47	17°57	1°32	2°29	14° 1	n.a.	W20
T 21	21 41 44	23°26'55	28°42	18°25	23°51	8°53	8°11	24° 2	12°43	14°47	17°59	1°D31	2°26	14° 7	n.a.	T 21
F 22	21 45 41	24°25'42	12♉32	19°37	25° 6	9°27	8°23	24° 0	12°42	14°R47	18° 2	1°31	2°23	14°14	n.a.	F 22
S 23	21 49 37	25°24'31	26°32	20°48	26°21	10° 0	8°34	23°59	12°40	14°47	18° 4	1°R31	2°20	14°21	n.a.	S 23
S 24	21 53 34	26°23'22	10♊41	21°58	27°36	10°34	8°45	23°58	12°39	14°47	18° 6	1°30	2°17	14°27	n.a.	S 24
M25	21 57 30	27°22'16	24°58	23° 5	28°51	11° 7	8°57	23°58	12°37	14°47	18° 8	1°28	2°13	14°34	n.a.	M25
T 26	22 1 27	28°21'13	9♋21	24°10	0♍ 6	11°40	9° 8	23°57	12°36	14°47	18°11	1°22	2°10	14°41	n.a.	T 26
W27	22 5 23	29°20'11	23°45	25°13	1°21	12°13	9°20	23°56	12°34	14°47	18°13	1°15	2° 7	14°47	n.a.	W27
T 28	22 9 20	0♍19'12	8♌ 6	26°14	2°36	12°46	9°31	23°56	12°33	14°47	18°15	1° 5	2° 4	14°54	n.a.	T 28
F 29	22 13 16	1°18'16	22°16	27°12	3°51	13°18	9°43	23°55	12°31	14°47	18°18	0°55	2° 1	15° 1	n.a.	F 29
S 30	22 17 13	2°17'21	6♍12	28° 7	5° 6	13°51	9°55	23°55	12°29	14°46	18°20	0°46	1°58	15° 7	n.a.	S 30
S 31	22 21 10	3♍16'28	19♍48	29♍ 0	6♍21	14♊23	10♎ 6	23♐55	12♈27	14♉46	18♍22	0♉38	1♉54	15♐14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n30	21n38	4n56	16n 6	0n57	21n45	1n10	19n21	0s25	0s50	1n11	23s21	0n16	4n38	0s38	14n44	1s46	20n29	16n51	12n52	12n50	25s39		n.a.
S 2	19 16	16 37	4 34	15 28	0 51	21 30	1 11	19 30	0 24	0 54	1 11	23 21	0 16	4 37	0 38	14 45	1 46	20 28	16 50	12 49	12 49	25 41		n.a.
S 3	19 1	10 53	3 56	14 50	0 44	21 15	1 12	19 39	0 23	0 58	1 11	23 21	0 16	4 37	0 38	14 45	1 46	20 27	16 50	12 45	12 48	25 43		n.a.
M 4	18 47	4 49	3 6	14 11	0 37	20 59	1 13	19 48	0 22	1 2	1 11	23 21	0 16	4 37	0 38	14 45	1 46	20 26	16 49	12 43	12 47	25 44		n.a.
T 5	18 31	1s16	2 8	13 33	0 30	20 43	1 14	19 57	0 21	1 6	1 10	23 21	0 16	4 37	0 38	14 45	1 46	20 24	16 49	12 42	12 45	25 46		n.a.
W 6	18 16	7 7	1 6	12 53	0 23	20 25	1 16	20 6	0 20	1 10	1 10	23 21	0 16	4 36	0 38	14 45	1 47	20 23	16 49	12 41	12 44	25 47		n.a.
T 7	18 1	12 35	0 1	12 14	0 16	20 8	1 17	20 14	0 19	1 14	1 10	23 21	0 15	4 36	0 38	14 45	1 47	20 22	16 48	12 41	12 43	25 49		n.a.
F 8	17 45	17 28	1s 2	11 35	0 9	19 49	1 17	20 23	0 18	1 18	1 10	23 21	0 15	4 36	0 38	14 45	1 47	20 21	16 48	12 41	12 42	25 51		n.a.
S 9	17 28	21 37	2 2	10 55	0 1	19 31	1 18	20 31	0 18	1 23	1 10	23 21	0 15	4 35	0 38	14 45	1 47	20 20	16 48	12 41	12 41	25 52		n.a.
S 10	17 12	24 53	2 56	10 15	0s 7	19 11	1 19	20 39	0 17	1 27	1 9	23 21	0 15	4 35	0 38	14 45	1 47	20 19	16 48	12 40	12 40	25 54		n.a.
M11	16 55	27 4	3 43	9 36	0 14	18 51	1 20	20 47	0 16	1 31	1 9	23 21	0 15	4 35	0 38	14 45	1 47	20 18	16 47	12 38	12 39	25 55		n.a.
T 12	16 38	28 2	4 20	8 56	0 22	18 31	1 21	20 54	0 15	1 35	1 9	23 21	0 15	4 34	0 38	14 46	1 47	20 17	16 47	12 36	12 38	25 57		n.a.
W13	16 20	27 40	4 46	8 17	0 30	18 10	1 21	21 2	0 14	1 40	1 9	23 21	0 15	4 34	0 38	14 46	1 47	20 16	16 47	12 32	12 37	25 58		n.a.
T 14	16 3	25 57	4 59	7 37	0 38	17 48	1 22	21 9	0 13	1 44	1 9	23 21	0 15	4 33	0 38	14 46	1 47	20 15	16 46	12 28	12 36	26 0		n.a.
F 15	15 45	22 56	4 59	6 58	0 47	17 26	1 23	21 17	0 12	1 48	1 8	23 21	0 15	4 33	0 38	14 46	1 47	20 14	16 46	12 23	12 34	26 1		n.a.
S 16	15 27	18 47	4 43	6 19	0 55	17 3	1 23	21 24	0 11	1 53	1 8	23 21	0 15	4 33	0 38	14 46	1 47	20 12	16 46	12 19	12 33	26 3		n.a.
S 17	15 8	13 42	4 13	5 41	1 3	16 40	1 23	21 31	0 10	1 57	1 8	23 21	0 14	4 32	0 38	14 46	1 47	20 11	16 46	12 15	12 32	26 4		n.a.
M18	14 50	7 56	3 28	5 2	1 11	16 17	1 24	21 38	0 9	2 2	1 8	23 21	0 14	4 32	0 38	14 46	1 47	20 10	16 45	12 12	12 31	26 6		n.a.
T 19	14 31	1 43	2 32	4 24	1 19	15 53	1 24	21 44	0 8	2 6	1 8	23 21	0 14	4 31	0 38	14 46	1 47	20 9	16 45	12 10	12 30	26 7		n.a.
W20	14 11	4n39	1 26	3 47	1 28	15 28	1 24	21 51	0 7	2 11	1 7	23 21	0 14	4 31	0 38	14 46	1 47	20 8	16 45	12 9	12 29	26 9		n.a.
T 21	13 52	10 54	0 15	3 10	1 36	15 3	1 24	21 57	0 6	2 15	1 7	23 21	0 14	4 30	0 38	14 46	1 47	20 7	16 45	12 8	12 28	26 10		n.a.
F 22	13 32	16 43	0n58	2 34	1 44	14 38	1 25	22 3	0 5	2 20	1 7	23 22	0 14	4 29	0 38	14 46	1 47	20 6	16 44	12 9	12 27	26 12		n.a.
S 23	13 12	21 42	2 9	1 58	1 52	14 12	1 25	22 10	0 4	2 25	1 7	23 22	0 14	4 29	0 38	14 45	1 47	20 5	16 44	12 9	12 26	26 13		n.a.
S 24	12 52	25 30	3 13	1 23	2 0	13 46	1 24	22 16	0 2	2 29	1 7	23 22	0 14	4 28	0 38	14 45	1 48	20 4	16 44	12 8	12 25	26 15		n.a.
M25	12 32	27 42	4 5	0 49	2 8	13 20	1 24	22 21	0 1	2 34	1 7	23 22	0 14	4 28	0 38	14 45	1 48	20 3	16 44	12 7	12 23	26 16		n.a.
T 26	12 11	28 5	4 42	0 16	2 16	12 53	1 24	22 27	0 0	2 39	1 6	23 22	0 13	4 27	0 38	14 45	1 48	20 2	16 44	12 5	12 22	26 18		n.a.
W27	11 51	26 33	5 1	0s16	2 23	12 26	1 24	22 33	0n 1	2 43	1 6	23 22	0 13	4 26	0 38	14 45	1 48	20 1	16 44	12 3	12 21	26 19		n.a.
T 28	11 30	23 18	5 2	0 47	2 31	11 58	1 24	22 38	0 2	2 48	1 6	23 22	0 13	4 26	0 38	14 45	1 48	19 59	16 43	12 0	12 20	26 20		n.a.
F 29	11 8	18 42	4 43	1 17	2 38	11 31	1 23	22 43	0 3	2 53	1 6	23 22	0 13	4 25	0 38	14 45	1 48	19 58	16 43	11 56	12 19	26 22		n.a.
S 30	10 47	13 11	4 8	1 46	2 45	11 2	1 23	22 48	0 4	2 58	1 6	23 22	0 13	4 24	0 38	14 45	1 48	19 57	16 43	11 53	12 18	26 23		n.a.
S 31	10n26	7n 8	3n20	2s13	2s51	10n34	1n22	22n53	0n 5	3s 3	1n 6	23s22	0n13	4n24	0s38	14n45	1s48	19n56	16n43	11n50	12n17	26s25		n.a.

Julian Day Number = 1630688.5, Delta T = 03h42m05s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'59, Lahiri = - 7°22'59 Julian Calendar 1 Aug. 249 BCE == Greg. Calendar 28 July 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

SEPTEMBER 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 25 6	4♍15'38	3♎ 3	29♍49	7♍36	14♊55	10♎18	23°R55	12°R26	14°R46	18♍25	0°R32	1♉51	15♐21	n.a.	M 1
T 2	22 29 3	5°14'49	15°56	0♎34	8°51	15°26	10°30	23°D55	12♈24	14♉45	18°27	0♉29	1°48	15°27	n.a.	T 2
W 3	22 32 59	6°14'03	28°28	1°15	10° 6	15°58	10°42	23♐55	12°22	14°45	18°29	0°D28	1°45	15°34	n.a.	W 3
T 4	22 36 56	7°13'18	10♏42	1°53	11°21	16°29	10°54	23°55	12°20	14°45	18°32	0°28	1°42	15°41	n.a.	T 4
F 5	22 40 52	8°12'36	22°44	2°25	12°36	17° 0	11° 6	23°55	12°18	14°44	18°34	0°29	1°39	15°47	n.a.	F 5
S 6	22 44 49	9°11'55	4♐37	2°53	13°51	17°31	11°18	23°55	12°16	14°44	18°36	0°R30	1°35	15°54	n.a.	S 6
S 7	22 48 45	10°11'16	16°27	3°15	15° 6	18° 2	11°31	23°56	12°14	14°43	18°39	0°30	1°32	16° 1	n.a.	S 7
M 8	22 52 42	11°10'39	28°19	3°31	16°21	18°33	11°43	23°56	12°12	14°43	18°41	0°28	1°29	16° 7	n.a.	M 8
T 9	22 56 38	12°10'04	10♑19	3°41	17°36	19° 3	11°55	23°57	12°10	14°42	18°43	0°24	1°26	16°14	n.a.	T 9
W10	23 0 35	13° 9'31	22°29	3°R43	18°51	19°33	12° 8	23°58	12° 8	14°42	18°46	0°19	1°23	16°21	n.a.	W10
T 11	23 4 32	14° 9'00	4♒55	3°39	20° 6	20° 3	12°20	23°59	12° 6	14°41	18°48	0°11	1°19	16°28	n.a.	T 11
F 12	23 8 28	15° 8'31	17°37	3°26	21°22	20°32	12°32	24° 0	12° 4	14°40	18°51	0° 3	1°16	16°34	n.a.	F 12
S 13	23 12 25	16° 8'04	0♓37	3° 6	22°37	21° 2	12°45	24° 1	12° 2	14°40	18°53	29♈55	1°13	16°41	n.a.	S 13
S 14	23 16 21	17° 7'38	13°55	2°37	23°52	21°31	12°58	24° 2	12° 0	14°39	18°55	29°48	1°10	16°48	n.a.	S 14
M15	23 20 18	18° 7'15	27°28	1°59	25° 7	22° 0	13°10	24° 3	11°57	14°38	18°58	29°43	1° 7	16°54	n.a.	M15
T 16	23 24 14	19° 6'54	11♈14	1°13	26°22	22°28	13°23	24° 4	11°55	14°37	19° 0	29°39	1° 4	17° 1	n.a.	T 16
W17	23 28 11	20° 6'35	25°10	0°19	27°37	22°57	13°35	24° 6	11°53	14°36	19° 3	29°D38	1° 0	17° 8	n.a.	W17
T 18	23 32 7	21° 6'19	9♉13	29♍18	28°52	23°25	13°48	24° 7	11°51	14°36	19° 5	29°38	0°57	17°14	n.a.	T 18
F 19	23 36 4	22° 6'05	23°21	28°11	0♎ 7	23°53	14° 1	24° 9	11°48	14°35	19° 7	29°39	0°54	17°21	n.a.	F 19
S 20	23 40 1	23° 5'53	7♊31	26°59	1°23	24°20	14°14	24°11	11°46	14°34	19°10	29°41	0°51	17°28	n.a.	S 20
S 21	23 43 57	24° 5'44	21°41	25°45	2°38	24°48	14°27	24°13	11°44	14°33	19°12	29°R42	0°48	17°34	n.a.	S 21
M22	23 47 54	25° 5'37	5♋50	24°30	3°53	25°15	14°40	24°15	11°42	14°32	19°15	29°41	0°45	17°41	n.a.	M22
T 23	23 51 50	26° 5'33	19°56	23°16	5° 8	25°42	14°52	24°17	11°39	14°31	19°17	29°39	0°41	17°48	n.a.	T 23
W24	23 55 47	27° 5'31	3♌56	22° 6	6°23	26° 8	15° 5	24°19	11°37	14°30	19°19	29°36	0°38	17°54	n.a.	W24
T 25	23 59 43	28° 5'31	17°49	21° 1	7°38	26°34	15°18	24°21	11°34	14°29	19°22	29°31	0°35	18° 1	n.a.	T 25
F 26	0 3 40	29° 5'33	1♍32	20° 5	8°54	27° 0	15°31	24°23	11°32	14°28	19°24	29°26	0°32	18° 8	n.a.	F 26
S 27	0 7 36	0♎ 5'37	15° 1	19°18	10° 9	27°26	15°44	24°26	11°30	14°27	19°26	29°21	0°29	18°15	n.a.	S 27
S 28	0 11 33	1° 5'44	28°16	18°41	11°24	27°51	15°58	24°28	11°27	14°26	19°29	29°17	0°25	18°21	n.a.	S 28
M29	0 15 29	2° 5'52	11♎14	18°16	12°39	28°16	16°11	24°31	11°25	14°24	19°31	29°15	0°22	18°28	n.a.	M29
T 30	0 19 26	3♎ 6'02	23♎56	18♍ 2	13♎54	28♊40	16♎24	24♐34	11♈22	14♉23	19♍33	29°D13	0♉19	18♐35	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n 4	0n56	2n21	2s38	2s58	10n 5	1n22	22n58	0n 7	3s 7	1n 6	23s22	0n13	4n23	0s38	14n45	1s48	19n55	16n43	11n48	12n16	26s26		n.a.
T 2	9 42	5s 9	1 17	3 2	3 4	9 36	1 21	23 3	0 8	3 12	1 5	23 22	0 13	4 22	0 38	14 44	1 48	19 54	16 43	11 47	12 15	26 27		n.a.
W 3	9 20	10 53	0 11	3 24	3 9	9 7	1 21	23 8	0 9	3 17	1 5	23 23	0 13	4 21	0 38	14 44	1 48	19 53	16 43	11 46	12 13	26 29		n.a.
T 4	8 58	16 5	0s55	3 43	3 14	8 37	1 20	23 12	0 10	3 22	1 5	23 23	0 12	4 21	0 38	14 44	1 48	19 52	16 42	11 46	12 12	26 30		n.a.
F 5	8 35	20 34	1 57	4 0	3 19	8 7	1 19	23 16	0 11	3 27	1 5	23 23	0 12	4 20	0 38	14 44	1 48	19 51	16 42	11 47	12 11	26 32		n.a.
S 6	8 13	24 9	2 53	4 15	3 23	7 38	1 18	23 21	0 13	3 32	1 5	23 23	0 12	4 19	0 38	14 44	1 48	19 50	16 42	11 47	12 10	26 33		n.a.
S 7	7 50	26 42	3 42	4 27	3 26	7 7	1 17	23 25	0 14	3 37	1 5	23 23	0 12	4 18	0 38	14 43	1 48	19 49	16 42	11 47	12 9	26 34		n.a.
M 8	7 28	28 4	4 21	4 35	3 28	6 37	1 16	23 29	0 15	3 42	1 5	23 23	0 12	4 18	0 38	14 43	1 48	19 48	16 42	11 46	12 8	26 36		n.a.
T 9	7 5	28 8	4 49	4 40	3 29	6 6	1 15	23 32	0 16	3 47	1 4	23 23	0 12	4 17	0 38	14 43	1 48	19 47	16 42	11 45	12 7	26 37		n.a.
W10	6 42	26 50	5 5	4 41	3 29	5 36	1 14	23 36	0 18	3 52	1 4	23 23	0 12	4 16	0 38	14 43	1 48	19 46	16 42	11 43	12 6	26 38		n.a.
T 11	6 19	24 13	5 7	4 39	3 28	5 5	1 13	23 40	0 19	3 57	1 4	23 24	0 12	4 15	0 38	14 43	1 48	19 45	16 42	11 40	12 5	26 40		n.a.
F 12	5 55	20 23	4 54	4 31	3 26	4 34	1 12	23 43	0 20	4 2	1 4	23 24	0 12	4 14	0 38	14 42	1 49	19 44	16 42	11 38	12 3	26 41		n.a.
S 13	5 32	15 31	4 25	4 20	3 22	4 2	1 10	23 47	0 21	4 7	1 4	23 24	0 12	4 13	0 38	14 42	1 49	19 43	16 42	11 35	12 2	26 42		n.a.
S 14	5 9	9 49	3 42	4 3	3 16	3 31	1 9	23 50	0 23	4 12	1 4	23 24	0 11	4 13	0 38	14 42	1 49	19 42	16 42	11 32	12 1	26 44		n.a.
M15	4 45	3 33	2 45	3 41	3 9	3 0	1 8	23 53	0 24	4 17	1 4	23 24	0 11	4 12	0 38	14 42	1 49	19 41	16 42	11 30	12 0	26 45		n.a.
T 16	4 21	2n59	1 38	3 14	3 0	2 28	1 6	23 56	0 26	4 22	1 4	23 24	0 11	4 11	0 38	14 41	1 49	19 40	16 42	11 29	11 59	26 46		n.a.
W17	3 58	9 29	0 24	2 42	2 49	1 57	1 5	23 59	0 27	4 27	1 4	23 25	0 11	4 10	0 38	14 41	1 49	19 39	16 42	11 29	11 58	26 47		n.a.
T 18	3 34	15 34	0n52	2 6	2 36	1 25	1 3	24 2	0 28	4 32	1 3	23 25	0 11	4 9	0 38	14 41	1 49	19 38	16 42	11 29	11 57	26 49		n.a.
F 19	3 10	20 51	2 6	1 25	2 21	0 53	1 2	24 5	0 30	4 37	1 3	23 25	0 11	4 8	0 38	14 40	1 49	19 37	16 42	11 29	11 56	26 50		n.a.
S 20	2 46	24 59	3 12	0 41	2 5	0 22	1 0	24 7	0 31	4 42	1 3	23 25	0 11	4 7	0 38	14 40	1 49	19 36	16 42	11 30	11 54	26 51		n.a.
S 21	2 22	27 33	4 6	0n 5	1 47	0s10	0 58	24 10	0 33	4 48	1 3	23 25	0 11	4 6	0 38	14 40	1 49	19 35	16 42	11 30	11 53	26 53		n.a.
M22	1 58	28 21	4 45	0 53	1 27	0 42	0 56	24 12	0 34	4 53	1 3	23 25	0 11	4 5	0 38	14 39	1 49	19 35	16 42	11 30	11 52	26 54		n.a.
T 23	1 34	27 18	5 7	1 41	1 7	1 14	0 55	24 15	0 35	4 58	1 3	23 26	0 11	4 4	0 38	14 39	1 49	19 34	16 42	11 29	11 51	26 55		n.a.
W24	1 10	24 32	5 11	2 28	0 46	1 46	0 53	24 17	0 37	5 3	1 3	23 26	0 10	4 3	0 38	14 39	1 49	19 33	16 42	11 28	11 50	26 56		n.a.
T 25	0 46	20 22	4 56	3 12	0 26	2 17	0 51	24 19	0 39	5 8	1 3	23 26	0 10	4 3	0 38	14 38	1 49	19 32	16 42	11 26	11 49	26 58		n.a.
F 26	0 22	15 10	4 25	3 53	0 6	2 49	0 49	24 22	0 40	5 13	1 3	23 26	0 10	4 2	0 38	14 38	1 49	19 31	16 43	11 24	11 48	26 59		n.a.
S 27	0s 2	9 19	3 39	4 30	0n14	3 21	0 47	24 24	0 42	5 18	1 3	23 26	0 10	4 1	0 38	14 38	1 49	19 30	16 43	11 23	11 47	27 0		n.a.
S 28	0 26	3 10	2 42	5 1	0 32	3 52	0 45	24 26	0 43	5 24	1 2	23 27	0 10	4 0	0 38	14 37	1 49	19 29	16 43	11 21	11 45	27 1		n.a.
M29	0 51	3s 1	1 37	5 26	0 49	4 24	0 43	24 28	0 45	5 29	1 2	23 27	0 10	3 59	0 38	14 37	1 49	19 28	16 43	11 20	11 44	27 2		n.a.
T 30	1s15	8s57	0n29	5n46	1n 4	4s55	0n41	24n30	0n46	5s34	1n 2	23s27	0n10	3n58	0s38	14n37	1s49	19n28	16n43	11n20	11n43	27s 4		n.a.

Julian Day Number = 1630719.5, Delta T = 03h42m04s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'55, Lahiri = - 7°22'54 Julian Calendar 1 Sept. 249 BCE == Greg. Calendar 28 Aug. 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

OCTOBER 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 23 23	4♎ 6'14	6♏21	18°D 0	15♎10	29♊ 5	16♎37	24♐36	11°R20	14°R22	19♍36	29♈14	0♉16	18♐41	n.a.	W 1
T 2	0 27 19	5° 6'28	18°33	18♍ 9	16°25	29°28	16°50	24°39	11♈17	14♉21	19°38	29°15	0°13	18°48	n.a.	T 2
F 3	0 31 16	6° 6'44	0♐34	18°29	17°40	29°52	17° 3	24°42	11°15	14°20	19°40	29°16	0°10	18°55	n.a.	F 3
S 4	0 35 12	7° 7'01	12°27	18°58	18°55	0♋15	17°17	24°45	11°12	14°18	19°43	29°18	0° 6	19° 1	n.a.	S 4
S 5	0 39 9	8° 7'20	24°17	19°36	20°10	0°38	17°30	24°49	11°10	14°17	19°45	29°19	0° 3	19° 8	n.a.	S 5
M 6	0 43 5	9° 7'41	6♑ 9	20°23	21°25	1° 0	17°43	24°52	11° 7	14°16	19°47	29°R20	0° 0	19°15	n.a.	M 6
T 7	0 47 2	10° 8'03	18° 7	21°16	22°41	1°22	17°56	24°55	11° 5	14°14	19°50	29°20	29♈57	19°21	n.a.	T 7
W 8	0 50 58	11° 8'27	0♒17	22°16	23°56	1°44	18°10	24°59	11° 2	14°13	19°52	29°19	29°54	19°28	n.a.	W 8
T 9	0 54 55	12° 8'52	12°43	23°22	25°11	2° 5	18°23	25° 2	11° 0	14°12	19°54	29°17	29°51	19°35	n.a.	T 9
F 10	0 58 52	13° 9'19	25°28	24°32	26°26	2°26	18°36	25° 6	10°57	14°10	19°57	29°15	29°47	19°41	n.a.	F 10
S 11	1 2 48	14° 9'47	8♓35	25°46	27°41	2°46	18°49	25° 9	10°55	14° 9	19°59	29°12	29°44	19°48	n.a.	S 11
S 12	1 6 45	15°10'16	22° 4	27° 4	28°56	3° 6	19° 3	25°13	10°53	14° 7	20° 1	29°10	29°41	19°55	n.a.	S 12
M13	1 10 41	16°10'48	5♈55	28°25	0♏11	3°26	19°16	25°17	10°50	14° 6	20° 3	29° 9	29°38	20° 2	n.a.	M13
T 14	1 14 38	17°11'20	20° 4	29°49	1°27	3°45	19°29	25°21	10°48	14° 5	20° 5	29° 8	29°35	20° 8	n.a.	T 14
W15	1 18 34	18°11'55	4♉28	1♎15	2°42	4° 4	19°43	25°25	10°45	14° 3	20° 8	29°D 8	29°31	20°15	n.a.	W15
T 16	1 22 31	19°12'31	19° 0	2°42	3°57	4°22	19°56	25°29	10°43	14° 2	20°10	29° 9	29°28	20°22	n.a.	T 16
F 17	1 26 27	20°13'09	3♊35	4°11	5°12	4°40	20°10	25°33	10°40	14° 0	20°12	29° 9	29°25	20°28	n.a.	F 17
S 18	1 30 24	21°13'49	18° 8	5°41	6°27	4°57	20°23	25°37	10°38	13°59	20°14	29°10	29°22	20°35	n.a.	S 18
S 19	1 34 21	22°14'31	2♋33	7°12	7°42	5°14	20°36	25°42	10°35	13°57	20°16	29°11	29°19	20°42	n.a.	S 19
M20	1 38 17	23°15'15	16°47	8°44	8°57	5°30	20°50	25°46	10°33	13°55	20°18	29°11	29°16	20°48	n.a.	M20
T 21	1 42 14	24°16'00	0♌47	10°17	10°12	5°46	21° 3	25°51	10°31	13°54	20°20	29°R11	29°12	20°55	n.a.	T 21
W22	1 46 10	25°16'47	14°34	11°50	11°27	6° 1	21°16	25°55	10°28	13°52	20°22	29°11	29° 9	21° 2	n.a.	W22
T 23	1 50 7	26°17'36	28° 6	13°23	12°42	6°16	21°30	26° 0	10°26	13°51	20°24	29°10	29° 6	21° 8	n.a.	T 23
F 24	1 54 3	27°18'26	11♍24	14°57	13°58	6°30	21°43	26° 5	10°23	13°49	20°27	29°10	29° 3	21°15	n.a.	F 24
S 25	1 58 0	28°19'18	24°28	16°31	15°13	6°44	21°56	26° 9	10°21	13°47	20°29	29°10	29° 0	21°22	n.a.	S 25
S 26	2 1 56	29°20'11	7♎19	18° 5	16°28	6°57	22°10	26°14	10°19	13°46	20°31	29°D10	28°56	21°29	n.a.	S 26
M27	2 5 53	0♏21'06	19°56	19°39	17°43	7° 9	22°23	26°19	10°16	13°44	20°32	29°10	28°53	21°35	n.a.	M27
T 28	2 9 50	1°22'02	2♏22	21°13	18°58	7°21	22°36	26°24	10°14	13°42	20°34	29°R10	28°50	21°42	n.a.	T 28
W29	2 13 46	2°22'59	14°36	22°47	20°13	7°32	22°50	26°29	10°12	13°41	20°36	29°10	28°47	21°49	n.a.	W29
T 30	2 17 43	3°23'57	26°41	24°22	21°28	7°43	23° 3	26°34	10°10	13°39	20°38	29°10	28°44	21°55	n.a.	T 30
F 31	2 21 39	4♏24'57	8♐39	25♎56	22♏43	7♋53	23♎16	26♐40	10♈ 7	13♉37	20♍40	29♈ 9	28♈41	22♐ 2	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	1s39	14s25	0s39	6n 0	1n18	5s27	0n39	24n31	0n48	5s39	1n 2	23s27	0n10	3n57	0s38	14n36	1s49	19n27	16n43	11n20	11n42	27s 5		n.a.
T 2	2 3	19 13	1 44	6 7	1 30	5 58	0 37	24 33	0 50	5 44	1 2	23 27	0 10	3 56	0 38	14 36	1 49	19 26	16 43	11 20	11 41	27 6		n.a.
F 3	2 27	23 11	2 44	6 9	1 41	6 29	0 35	24 35	0 51	5 49	1 2	23 28	0 10	3 55	0 38	14 35	1 49	19 25	16 43	11 21	11 40	27 7		n.a.
S 4	2 51	26 8	3 36	6 5	1 49	7 0	0 32	24 37	0 53	5 55	1 2	23 28	0 9	3 54	0 38	14 35	1 49	19 24	16 44	11 21	11 39	27 8		n.a.
S 5	3 16	27 55	4 19	5 57	1 57	7 31	0 30	24 38	0 55	6 0	1 2	23 28	0 9	3 53	0 38	14 35	1 49	19 24	16 44	11 22	11 38	27 9		n.a.
M 6	3 40	28 25	4 50	5 44	2 2	8 1	0 28	24 40	0 56	6 5	1 2	23 28	0 9	3 52	0 38	14 34	1 49	19 23	16 44	11 22	11 36	27 10		n.a.
T 7	4 4	27 36	5 10	5 26	2 7	8 32	0 26	24 41	0 58	6 10	1 2	23 29	0 9	3 51	0 38	14 34	1 50	19 22	16 44	11 22	11 35	27 12		n.a.
W 8	4 28	25 28	5 16	5 5	2 10	9 2	0 23	24 43	1 0	6 15	1 2	23 29	0 9	3 50	0 38	14 33	1 50	19 21	16 44	11 22	11 34	27 13		n.a.
T 9	4 51	22 6	5 7	4 41	2 12	9 32	0 21	24 44	1 2	6 21	1 2	23 29	0 9	3 49	0 38	14 33	1 50	19 21	16 45	11 21	11 33	27 14		n.a.
F 10	5 15	17 37	4 43	4 13	2 13	10 2	0 18	24 46	1 3	6 26	1 1	23 29	0 9	3 48	0 38	14 32	1 50	19 20	16 45	11 20	11 32	27 15		n.a.
S 11	5 39	12 13	4 4	3 43	2 13	10 32	0 16	24 47	1 5	6 31	1 1	23 29	0 9	3 47	0 38	14 32	1 50	19 19	16 45	11 19	11 31	27 16		n.a.
S 12	6 3	6 6	3 11	3 11	2 12	11 1	0 14	24 49	1 7	6 36	1 1	23 30	0 9	3 46	0 38	14 32	1 50	19 19	16 45	11 19	11 30	27 17		n.a.
M13	6 26	0n28	2 5	2 37	2 10	11 30	0 11	24 50	1 9	6 41	1 1	23 30	0 9	3 45	0 38	14 31	1 50	19 18	16 46	11 18	11 28	27 18		n.a.
T 14	6 50	7 10	0 50	2 1	2 8	11 59	0 9	24 51	1 11	6 46	1 1	23 30	0 9	3 44	0 38	14 31	1 50	19 17	16 46	11 18	11 27	27 19		n.a.
W15	7 13	13 37	0n30	1 24	2 5	12 27	0 6	24 53	1 13	6 52	1 1	23 30	0 8	3 43	0 38	14 30	1 50	19 17	16 46	11 18	11 26	27 20		n.a.
T 16	7 36	19 24	1 48	0 46	2 1	12 55	0 4	24 54	1 15	6 57	1 1	23 31	0 8	3 42	0 38	14 30	1 50	19 16	16 46	11 18	11 25	27 21		n.a.
F 17	8 0	24 4	3 0	0 7	1 57	13 23	0 1	24 55	1 17	7 2	1 1	23 31	0 8	3 41	0 38	14 29	1 50	19 15	16 47	11 18	11 24	27 23		n.a.
S 18	8 23	27 10	4 0	0s34	1 53	13 51	0s 1	24 57	1 19	7 7	1 1	23 31	0 8	3 40	0 38	14 29	1 50	19 15	16 47	11 19	11 23	27 24		n.a.
S 19	8 46	28 26	4 44	1 14	1 48	14 18	0 4	24 58	1 21	7 12	1 1	23 31	0 8	3 39	0 38	14 28	1 50	19 14	16 47	11 19	11 22	27 25		n.a.
M20	9 8	27 47	5 10	1 56	1 43	14 45	0 6	24 59	1 23	7 17	1 1	23 32	0 8	3 38	0 38	14 28	1 50	19 14	16 47	11 19	11 21	27 26		n.a.
T 21	9 31	25 22	5 17	2 37	1 38	15 11	0 9	25 1	1 25	7 22	1 1	23 32	0 8	3 37	0 38	14 27	1 50	19 13	16 48	11 19	11 19	27 27		n.a.
W22	9 54	21 31	5 6	3 19	1 32	15 38	0 11	25 2	1 27	7 27	1 1	23 32	0 8	3 36	0 38	14 27	1 50	19 13	16 48	11 19	11 18	27 28		n.a.
T 23	10 16	16 36	4 38	4 2	1 26	16 3	0 14	25 4	1 29	7 32	1 1	23 32	0 8	3 36	0 38	14 26	1 50	19 12	16 48	11 19	11 17	27 29		n.a.
F 24	10 38	10 59	3 55	4 44	1 20	16 29	0 16	25 5	1 31	7 38	1 1	23 32	0 8	3 35	0 38	14 26	1 50	19 12	16 49	11 19	11 16	27 30		n.a.
S 25	11 0	4 59	3 1	5 26	1 14	16 53	0 19	25 7	1 33	7 43	1 1	23 33	0 8	3 34	0 38	14 25	1 50	19 11	16 49	11 19	11 15	27 31		n.a.
S 26	11 22	1s 8	1 58	6 8	1 7	17 18	0 21	25 8	1 36	7 48	1 1	23 33	0 7	3 33	0 38	14 25	1 50	19 11	16 49	11 19	11 14	27 32		n.a.
M27	11 44	7 6	0 51	6 50	1 1	17 42	0 24	25 10	1 38	7 53	1 1	23 33	0 7	3 32	0 38	14 24	1 50	19 10	16 50	11 19	11 13	27 33		n.a.
T 28	12 5	12 43	0s18	7 32	0 54	18 5	0 26	25 11	1 40	7 58	1 1	23 33	0 7	3 31	0 38	14 24	1 50	19 10	16 50	11 19	11 11	27 34		n.a.
W29	12 27	17 46	1 25	8 14	0 48	18 28	0 29	25 13	1 42	8 3	1 1	23 34	0 7	3 30	0 38	14 23	1 50	19 9	16 51	11 19	11 10	27 35		n.a.
T 30	12 48	22 2	2 27	8 55	0 41	18 51	0 31	25 14	1 45	8 8	1 1	23 34	0 7	3 29	0 38	14 23	1 50	19 9	16 51	11 18	11 9	27 36		n.a.
F 31	13s 9	25s20	3s22	9s36	0n34	19s13	0s33	25n16	1n47	8s13	1n 1	23s34	0n 7	3n28	0s38	14n22	1s50	19n 8	16n51	11n18	11n 8	27s37		n.a.

Julian Day Number = 1630749.5, Delta T = 03h42m03s
Ecliptic obliquity = 23°43'40, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'51, Lahiri = - 7°22'50 Julian Calendar 1 Oct. 249 BCE == Greg. Calendar 27 Sept. 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

NOVEMBER 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 25 36	5♏25'58	20♐31	27♎30	23♏58	8♋ 2	23♎29	26♐45	10°R 5	13°R36	20♍42	29°R 8	28♈37	22♐ 9	n.a.	S 1
S 2	2 29 32	6°26'59	2♑20	29° 5	25°13	8°11	23°43	26°50	10♈ 3	13♉34	20°44	29♈ 7	28°34	22°15	n.a.	S 2
M 3	2 33 29	7°28'01	14°11	0♏39	26°28	8°19	23°56	26°56	10° 1	13°32	20°46	29° 6	28°31	22°22	n.a.	M 3
T 4	2 37 25	8°29'05	26° 8	2°13	27°43	8°26	24° 9	27° 1	9°59	13°31	20°47	29° 5	28°28	22°29	n.a.	T 4
W 5	2 41 22	9°30'08	8♒14	3°47	28°58	8°33	24°22	27° 7	9°57	13°29	20°49	29°D 5	28°25	22°36	n.a.	W 5
T 6	2 45 19	10°31'13	20°36	5°21	0♐13	8°38	24°35	27°12	9°55	13°27	20°51	29° 5	28°22	22°42	n.a.	T 6
F 7	2 49 15	11°32'18	3♓16	6°55	1°28	8°44	24°48	27°18	9°53	13°26	20°53	29° 6	28°18	22°49	n.a.	F 7
S 8	2 53 12	12°33'23	16°19	8°30	2°43	8°48	25° 2	27°23	9°51	13°24	20°54	29° 7	28°15	22°56	n.a.	S 8
S 9	2 57 8	13°34'30	29°47	10° 4	3°58	8°52	25°15	27°29	9°49	13°22	20°56	29° 8	28°12	23° 2	n.a.	S 9
M10	3 1 5	14°35'36	13♈42	11°38	5°13	8°55	25°28	27°35	9°47	13°20	20°58	29° 9	28° 9	23° 9	n.a.	M10
T 11	3 5 1	15°36'44	28° 3	13°12	6°28	8°57	25°41	27°41	9°45	13°19	20°59	29°R10	28° 6	23°16	n.a.	T 11
W12	3 8 58	16°37'52	12♉45	14°46	7°43	8°59	25°54	27°47	9°43	13°17	21° 1	29° 9	28° 2	23°22	n.a.	W12
T 13	3 12 54	17°39'01	27°41	16°21	8°58	9° 0	26° 7	27°53	9°41	13°15	21° 2	29° 8	27°59	23°29	n.a.	T 13
F 14	3 16 51	18°40'10	12♊44	17°55	10°13	9°R 0	26°19	27°59	9°40	13°14	21° 4	29° 6	27°56	23°36	n.a.	F 14
S 15	3 20 48	19°41'21	27°44	19°30	11°27	8°59	26°32	28° 5	9°38	13°12	21° 5	29° 3	27°53	23°43	n.a.	S 15
S 16	3 24 44	20°42'32	12♋33	21° 5	12°42	8°57	26°45	28°11	9°36	13°10	21° 7	29° 0	27°50	23°49	n.a.	S 16
M17	3 28 41	21°43'44	27° 4	22°39	13°57	8°55	26°58	28°17	9°34	13° 9	21° 8	28°58	27°47	23°56	n.a.	M17
T 18	3 32 37	22°44'57	11♌14	24°14	15°12	8°52	27°11	28°23	9°33	13° 7	21°10	28°56	27°43	24° 3	n.a.	T 18
W19	3 36 34	23°46'10	25° 1	25°50	16°27	8°48	27°23	28°30	9°31	13° 5	21°11	28°D56	27°40	24° 9	n.a.	W19
T 20	3 40 30	24°47'24	8♍25	27°25	17°42	8°43	27°36	28°36	9°30	13° 4	21°12	28°56	27°37	24°16	n.a.	T 20
F 21	3 44 27	25°48'39	21°29	29° 0	18°56	8°37	27°49	28°42	9°28	13° 2	21°14	28°58	27°34	24°23	n.a.	F 21
S 22	3 48 24	26°49'55	4♎15	0♐36	20°11	8°31	28° 1	28°49	9°27	13° 0	21°15	29° 0	27°31	24°29	n.a.	S 22
S 23	3 52 20	27°51'10	16°46	2°12	21°26	8°24	28°14	28°55	9°25	12°59	21°16	29° 1	27°28	24°36	n.a.	S 23
M24	3 56 17	28°52'27	29° 6	3°48	22°41	8°15	28°26	29° 1	9°24	12°57	21°17	29°R 2	27°24	24°43	n.a.	M24
T 25	4 0 13	29°53'43	11♏16	5°25	23°55	8° 6	28°39	29° 8	9°22	12°55	21°19	29° 1	27°21	24°50	n.a.	T 25
W26	4 4 10	0♐55'01	23°18	7° 1	25°10	7°57	28°51	29°15	9°21	12°54	21°20	28°58	27°18	24°56	n.a.	W26
T 27	4 8 6	1°56'18	5♐16	8°38	26°25	7°46	29° 3	29°21	9°20	12°52	21°21	28°54	27°15	25° 3	n.a.	T 27
F 28	4 12 3	2°57'35	17° 9	10°15	27°40	7°34	29°15	29°28	9°19	12°51	21°22	28°49	27°12	25°10	n.a.	F 28
S 29	4 15 59	3°58'53	29° 0	11°53	28°54	7°22	29°28	29°34	9°18	12°49	21°23	28°42	27° 8	25°16	n.a.	S 29
S 30	4 19 56	5♐ 0'10	10♑50	13♐30	0♑ 9	7♋ 9	29♎40	29♐41	9♈16	12♉47	21♍24	28♈35	27♈ 5	25♐23	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s29	27s30	4s 8	10s17	0n28	19s34	0s36	25n18	1n49	8s18	1n 1	23s34	0n 7	3n28	0s38	14n22	1s50	19n 8	16n52	11n18	11n 7	27s38		n.a.
S 2	13 50	28 25	4 43	10 57	0 21	19 55	0 38	25 20	1 52	8 23	1 1	23 35	0 7	3 27	0 38	14 21	1 50	19 8	16 52	11 18	11 6	27 38		n.a.
M 3	14 10	28 2	5 6	11 37	0 14	20 15	0 41	25 22	1 54	8 28	1 0	23 35	0 7	3 26	0 38	14 21	1 50	19 7	16 53	11 17	11 5	27 39		n.a.
T 4	14 30	26 21	5 16	12 16	0 7	20 35	0 43	25 24	1 57	8 32	1 0	23 35	0 7	3 25	0 38	14 20	1 50	19 7	16 53	11 17	11 3	27 40		n.a.
W 5	14 50	23 27	5 13	12 55	0 1	20 55	0 45	25 26	1 59	8 37	1 0	23 35	0 7	3 24	0 38	14 20	1 50	19 7	16 53	11 17	11 2	27 41		n.a.
T 6	15 9	19 27	4 55	13 33	0s 6	21 13	0 48	25 28	2 1	8 42	1 0	23 35	0 7	3 23	0 38	14 19	1 50	19 6	16 54	11 17	11 1	27 42		n.a.
F 7	15 29	14 30	4 22	14 11	0 12	21 31	0 50	25 30	2 4	8 47	1 0	23 36	0 6	3 23	0 38	14 19	1 50	19 6	16 54	11 17	11 0	27 43		n.a.
S 8	15 48	8 46	3 36	14 48	0 19	21 49	0 52	25 32	2 7	8 52	1 0	23 36	0 6	3 22	0 38	14 18	1 50	19 6	16 55	11 18	10 59	27 44		n.a.
S 9	16 6	2 27	2 35	15 25	0 25	22 5	0 55	25 34	2 9	8 57	1 0	23 36	0 6	3 21	0 38	14 18	1 50	19 6	16 55	11 18	10 58	27 45		n.a.
M10	16 25	4n11	1 24	16 0	0 32	22 22	0 57	25 37	2 12	9 2	1 0	23 36	0 6	3 20	0 38	14 17	1 50	19 5	16 56	11 18	10 57	27 46		n.a.
T 11	16 43	10 49	0 6	16 36	0 38	22 37	0 59	25 39	2 14	9 6	1 0	23 36	0 6	3 20	0 38	14 17	1 50	19 5	16 56	11 19	10 55	27 47		n.a.
W12	17 1	17 2	1n14	17 10	0 44	22 52	1 1	25 42	2 17	9 11	1 0	23 37	0 6	3 19	0 38	14 16	1 50	19 5	16 57	11 18	10 54	27 47		n.a.
T 13	17 18	22 20	2 31	17 44	0 50	23 6	1 3	25 44	2 19	9 16	1 0	23 37	0 6	3 18	0 38	14 16	1 50	19 5	16 57	11 18	10 53	27 48		n.a.
F 14	17 35	26 12	3 38	18 16	0 56	23 20	1 5	25 47	2 22	9 20	1 0	23 37	0 6	3 18	0 38	14 15	1 50	19 4	16 57	11 17	10 52	27 49		n.a.
S 15	17 52	28 12	4 29	18 48	1 2	23 32	1 7	25 50	2 25	9 25	1 0	23 37	0 6	3 17	0 38	14 15	1 50	19 4	16 58	11 16	10 51	27 50		n.a.
S 16	18 9	28 8	5 2	19 20	1 7	23 44	1 9	25 52	2 27	9 30	1 0	23 37	0 6	3 16	0 38	14 14	1 50	19 4	16 58	11 15	10 50	27 51		n.a.
M17	18 25	26 8	5 15	19 50	1 13	23 56	1 11	25 55	2 30	9 35	1 0	23 37	0 6	3 16	0 38	14 14	1 50	19 4	16 59	11 14	10 48	27 52		n.a.
T 18	18 41	22 32	5 8	20 19	1 18	24 6	1 13	25 58	2 33	9 39	1 0	23 38	0 6	3 15	0 38	14 13	1 50	19 4	16 59	11 14	10 47	27 52		n.a.
W19	18 56	17 46	4 43	20 47	1 23	24 16	1 15	26 1	2 36	9 44	1 0	23 38	0 5	3 14	0 38	14 13	1 50	19 4	17 0	11 13	10 46	27 53		n.a.
T 20	19 12	12 16	4 3	21 15	1 28	24 26	1 17	26 4	2 38	9 48	1 0	23 38	0 5	3 14	0 38	14 12	1 50	19 4	17 0	11 14	10 45	27 54		n.a.
F 21	19 26	6 21	3 12	21 41	1 33	24 34	1 19	26 7	2 41	9 53	1 0	23 38	0 5	3 13	0 38	14 12	1 50	19 4	17 1	11 14	10 44	27 55		n.a.
S 22	19 41	0 18	2 12	22 6	1 37	24 42	1 20	26 10	2 44	9 57	1 0	23 38	0 5	3 13	0 38	14 11	1 50	19 4	17 1	11 15	10 43	27 55		n.a.
S 23	19 55	5s38	1 7	22 30	1 41	24 49	1 22	26 14	2 46	10 2	1 1	23 38	0 5	3 12	0 38	14 11	1 50	19 4	17 2	11 15	10 42	27 56		n.a.
M24	20 9	11 17	0s 0	22 53	1 45	24 55	1 24	26 17	2 49	10 6	1 1	23 38	0 5	3 12	0 37	14 10	1 50	19 4	17 3	11 16	10 40	27 57		n.a.
T 25	20 22	16 26	1 7	23 15	1 49	25 0	1 25	26 20	2 52	10 11	1 1	23 39	0 5	3 11	0 37	14 10	1 50	19 4	17 3	11 15	10 39	27 58		n.a.
W26	20 35	20 54	2 9	23 36	1 53	25 5	1 27	26 23	2 55	10 15	1 1	23 39	0 5	3 11	0 37	14 9	1 50	19 4	17 4	11 14	10 38	27 59		n.a.
T 27	20 48	24 28	3 5	23 55	1 56	25 9	1 28	26 27	2 57	10 20	1 1	23 39	0 5	3 10	0 37	14 9	1 50	19 4	17 4	11 13	10 37	27 59		n.a.
F 28	21 0	26 57	3 52	24 12	1 58	25 12	1 30	26 30	3 0	10 24	1 1	23 39	0 5	3 10	0 37	14 8	1 50	19 4	17 5	11 11	10 36	28 0		n.a.
S 29	21 12	28 13	4 30	24 29	2 1	25 14	1 31	26 34	3 3	10 28	1 1	23 39	0 5	3 9	0 37	14 8	1 50	19 4	17 5	11 8	10 35	28 1		n.a.
S 30	21s23	28s11	4s55	24s44	2s 3	25s16	1s32	26n37	3n 5	10s32	1n 1	23s39	0n 5	3n 9	0s37	14n 7	1s50	19n 4	17n 6	11n 6	10n33	28s 1		n.a.

Julian Day Number = 1630780.5, Delta T = 03h42m02s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'46, Lahiri = - 7°22'46 Julian Calendar 1 Nov. 249 BCE == Greg. Calendar 28 Oct. 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 249 BCE
geocentric

DECEMBER 249 BCE (-248) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 23 53	6♐ 1'27	22♑42	15♐ 8	1♑24	6°R55	29♎52	29♐48	9°R15	12°R46	21♍25	28°R28	27♈ 2	25♐30	n.a.	M 1
T 2	4 27 49	7° 2'44	4♒39	16°46	2°38	6♋41	0♏ 4	29°55	9♈14	12♉44	21°26	28♈22	26°59	25°36	n.a.	T 2
W 3	4 31 46	8° 4'00	16°44	18°23	3°53	6°25	0°16	0♑ 1	9°13	12°43	21°27	28°18	26°56	25°43	n.a.	W 3
T 4	4 35 42	9° 5'16	29° 2	20° 1	5° 7	6° 9	0°28	0° 8	9°12	12°41	21°28	28°15	26°53	25°50	n.a.	T 4
F 5	4 39 39	10° 6'32	11♓35	21°39	6°22	5°52	0°39	0°15	9°12	12°40	21°29	28°D15	26°49	25°57	n.a.	F 5
S 6	4 43 35	11° 7'47	24°29	23°17	7°36	5°35	0°51	0°22	9°11	12°38	21°30	28°15	26°46	26° 3	n.a.	S 6
S 7	4 47 32	12° 9'01	7♈48	24°54	8°51	5°17	1° 3	0°29	9°10	12°37	21°30	28°17	26°43	26°10	n.a.	S 7
M 8	4 51 28	13°10'15	21°35	26°32	10° 5	4°58	1°14	0°36	9° 9	12°35	21°31	28°R18	26°40	26°17	n.a.	M 8
T 9	4 55 25	14°11'29	5♉50	28° 8	11°20	4°38	1°26	0°43	9° 9	12°34	21°32	28°18	26°37	26°23	n.a.	T 9
W10	4 59 22	15°12'41	20°32	29°44	12°34	4°18	1°37	0°49	9° 8	12°33	21°32	28°16	26°34	26°30	n.a.	W10
T 11	5 3 18	16°13'54	5♊36	1♑19	13°49	3°58	1°49	0°56	9° 7	12°31	21°33	28°12	26°30	26°37	n.a.	T 11
F 12	5 7 15	17°15'06	20°52	2°53	15° 3	3°37	2° 0	1° 3	9° 7	12°30	21°34	28° 5	26°27	26°44	n.a.	F 12
S 13	5 11 11	18°16'17	6♋12	4°26	16°17	3°15	2°11	1°10	9° 6	12°29	21°34	27°58	26°24	26°50	n.a.	S 13
S 14	5 15 8	19°17'28	21°22	5°57	17°31	2°53	2°22	1°18	9° 6	12°27	21°35	27°49	26°21	26°57	n.a.	S 14
M15	5 19 4	20°18'39	6♌14	7°26	18°46	2°31	2°34	1°25	9° 6	12°26	21°35	27°42	26°18	27° 4	n.a.	M15
T 16	5 23 1	21°19'49	20°41	8°52	20° 0	2° 8	2°44	1°32	9° 5	12°25	21°36	27°36	26°14	27°10	n.a.	T 16
W17	5 26 58	22°20'58	4♍38	10°15	21°14	1°45	2°55	1°39	9° 5	12°24	21°36	27°32	26°11	27°17	n.a.	W17
T 18	5 30 54	23°22'07	18° 7	11°35	22°28	1°22	3° 6	1°46	9° 5	12°22	21°37	27°D31	26° 8	27°24	n.a.	T 18
F 19	5 34 51	24°23'16	1♎10	12°50	23°42	0°58	3°17	1°53	9° 5	12°21	21°37	27°31	26° 5	27°30	n.a.	F 19
S 20	5 38 47	25°24'24	13°50	14° 1	24°57	0°34	3°27	2° 0	9° 5	12°20	21°37	27°31	26° 2	27°37	n.a.	S 20
S 21	5 42 44	26°25'32	26°12	15° 5	26°11	0°10	3°38	2° 7	9° 5	12°19	21°38	27°R32	25°59	27°44	n.a.	S 21
M22	5 46 40	27°26'39	8♏21	16° 3	27°25	29♊46	3°48	2°14	9°D 5	12°18	21°38	27°31	25°55	27°51	n.a.	M22
T 23	5 50 37	28°27'46	20°21	16°54	28°39	29°22	3°59	2°21	9° 5	12°17	21°38	27°29	25°52	27°57	n.a.	T 23
W24	5 54 33	29°28'52	2♐15	17°37	29°53	28°58	4° 9	2°28	9° 5	12°16	21°38	27°23	25°49	28° 4	n.a.	W24
T 25	5 58 30	0♑29'57	14° 6	18°10	1♒ 6	28°34	4°19	2°36	9° 5	12°15	21°38	27°15	25°46	28°11	n.a.	T 25
F 26	6 2 27	1°31'01	25°57	18°34	2°20	28°10	4°29	2°43	9° 5	12°14	21°38	27° 4	25°43	28°17	n.a.	F 26
S 27	6 6 23	2°32'04	7♑48	18°47	3°34	27°46	4°39	2°50	9° 5	12°13	21°39	26°51	25°40	28°24	n.a.	S 27
S 28	6 10 20	3°33'06	19°42	18°R49	4°48	27°22	4°49	2°57	9° 6	12°12	21°R39	26°37	25°36	28°31	n.a.	S 28
M29	6 14 16	4°34'07	1♒39	18°39	6° 2	26°59	4°59	3° 4	9° 6	12°11	21°39	26°24	25°33	28°38	n.a.	M29
T 30	6 18 13	5°35'06	13°42	18°19	7°15	26°36	5° 8	3°11	9° 6	12°10	21°39	26°13	25°30	28°44	n.a.	T 30
W31	6 22 9	6♑36'05	25♒51	17♑47	8♒29	26♊13	5♏18	3♑18	9♈ 7	12♉ 9	21♍38	26♈ 3	25♈27	28♐51	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	21s34	26s51	5s 8	24s57	2s 5	25s17	1s34	26n40	3n 8	10s37	1n 1	23s39	0n 4	3n 8	0s37	14n 7	1s50	19n 4	17n 6	11n 3	10n32	28s 2			n.a.
T 2	21 45	24 18	5 8	25 9	2 6	25 17	1 35	26 44	3 11	10 41	1 1	23 39	0 4	3 8	0 37	14 7	1 49	19 4	17 7	11 1	10 31	28 3			n.a.
W 3	21 55	20 40	4 54	25 19	2 7	25 16	1 36	26 47	3 13	10 45	1 1	23 39	0 4	3 8	0 37	14 6	1 49	19 4	17 8	11 0	10 30	28 4			n.a.
T 4	22 5	16 6	4 27	25 28	2 7	25 14	1 37	26 50	3 16	10 49	1 1	23 39	0 4	3 7	0 37	14 6	1 49	19 4	17 8	10 59	10 29	28 4			n.a.
F 5	22 14	10 47	3 46	25 35	2 7	25 12	1 38	26 54	3 18	10 53	1 1	23 39	0 4	3 7	0 37	14 5	1 49	19 5	17 9	10 59	10 28	28 5			n.a.
S 6	22 23	4 51	2 53	25 40	2 7	25 9	1 39	26 57	3 21	10 58	1 1	23 40	0 4	3 7	0 37	14 5	1 49	19 5	17 9	10 59	10 27	28 6			n.a.
S 7	22 31	1n28	1 49	25 43	2 6	25 5	1 39	27 0	3 23	11 2	1 1	23 40	0 4	3 7	0 37	14 5	1 49	19 5	17 10	10 59	10 25	28 6			n.a.
M 8	22 39	7 57	0 36	25 45	2 4	25 0	1 40	27 3	3 25	11 6	1 1	23 40	0 4	3 6	0 37	14 4	1 49	19 5	17 10	11 0	10 24	28 7			n.a.
T 9	22 47	14 16	0n41	25 45	2 2	24 55	1 41	27 6	3 28	11 10	1 1	23 40	0 4	3 6	0 37	14 4	1 49	19 5	17 11	11 0	10 23	28 7			n.a.
W10	22 54	19 58	1 57	25 43	1 59	24 49	1 42	27 9	3 30	11 14	1 1	23 40	0 4	3 6	0 37	14 3	1 49	19 6	17 12	10 59	10 22	28 8			n.a.
T 11	23 0	24 34	3 7	25 39	1 55	24 42	1 42	27 12	3 32	11 17	1 1	23 40	0 4	3 6	0 37	14 3	1 49	19 6	17 12	10 58	10 21	28 9			n.a.
F 12	23 6	27 29	4 5	25 33	1 51	24 34	1 43	27 15	3 34	11 21	1 1	23 40	0 4	3 5	0 37	14 3	1 49	19 6	17 13	10 55	10 20	28 9			n.a.
S 13	23 12	28 19	4 45	25 25	1 46	24 25	1 43	27 18	3 36	11 25	1 1	23 40	0 4	3 5	0 37	14 2	1 49	19 7	17 13	10 52	10 18	28 10			n.a.
S 14	23 17	27 1	5 4	25 15	1 40	24 16	1 43	27 20	3 38	11 29	1 1	23 40	0 3	3 5	0 37	14 2	1 49	19 7	17 14	10 49	10 17	28 11			n.a.
M15	23 22	23 49	5 3	25 4	1 33	24 6	1 43	27 23	3 40	11 33	1 1	23 40	0 3	3 5	0 37	14 2	1 49	19 7	17 14	10 47	10 16	28 11			n.a.
T 16	23 26	19 13	4 42	24 51	1 25	23 56	1 44	27 25	3 42	11 37	1 1	23 40	0 3	3 5	0 37	14 1	1 49	19 8	17 15	10 45	10 15	28 12			n.a.
W17	23 30	13 43	4 5	24 36	1 17	23 44	1 44	27 27	3 44	11 40	1 2	23 40	0 3	3 5	0 37	14 1	1 49	19 8	17 16	10 43	10 14	28 12			n.a.
T 18	23 34	7 44	3 15	24 20	1 7	23 32	1 44	27 29	3 46	11 44	1 2	23 40	0 3	3 5	0 37	14 1	1 49	19 8	17 16	10 43	10 13	28 13			n.a.
F 19	23 36	1 37	2 16	24 2	0 57	23 19	1 44	27 31	3 47	11 48	1 2	23 40	0 3	3 5	0 37	14 0	1 49	19 9	17 17	10 43	10 11	28 13			n.a.
S 20	23 39	4s24	1 13	23 44	0 45	23 6	1 44	27 32	3 49	11 51	1 2	23 40	0 3	3 5	0 37	14 0	1 49	19 9	17 17	10 43	10 10	28 14			n.a.
S 21	23 41	10 7	0 7	23 24	0 32	22 52	1 43	27 34	3 50	11 55	1 2	23 40	0 3	3 5	0 37	14 0	1 49	19 10	17 18	10 43	10 9	28 15			n.a.
M22	23 42	15 22	0s58	23 3	0 19	22 37	1 43	27 35	3 52	11 58	1 2	23 40	0 3	3 5	0 36	13 59	1 49	19 10	17 19	10 43	10 8	28 15			n.a.
T 23	23 43	19 57	1 59	22 43	0 4	22 21	1 43	27 36	3 53	12 2	1 2	23 40	0 3	3 5	0 36	13 59	1 49	19 10	17 19	10 42	10 7	28 16			n.a.
W24	23 44	23 42	2 54	22 22	0n12	22 5	1 42	27 37	3 54	12 5	1 2	23 40	0 3	3 5	0 36	13 59	1 49	19 11	17 20	10 40	10 6	28 16			n.a.
T 25	23 44	26 26	3 41	22 1	0 28	21 48	1 42	27 38	3 55	12 8	1 2	23 39	0 3	3 5	0 36	13 59	1 48	19 11	17 20	10 37	10 4	28 17			n.a.
F 26	23 43	27 59	4 19	21 40	0 45	21 31	1 41	27 39	3 56	12 12	1 2	23 39	0 3	3 5	0 36	13 58	1 48	19 12	17 21	10 33	10 3	28 17			n.a.
S 27	23 42	28 14	4 45	21 21	1 3	21 13	1 40	27 39	3 57	12 15	1 2	23 39	0 3	3 5	0 36	13 58	1 48	19 12	17 22	10 28	10 2	28 18			n.a.
S 28	23 41	27 12	4 59	21 3	1 22	20 54	1 40	27 39	3 57	12 18	1 2	23 39	0 2	3 6	0 36	13 58	1 48	19 13	17 22	10 23	10 1	28 18			n.a.
M29	23 39	24 54	5 0	20 46	1 40	20 35	1 39	27 39	3 58	12 21	1 2	23 39	0 2	3 6	0 36	13 58	1 48	19 13	17 23	10 19	10 0	28 19			n.a.
T 30	23 36	21 30	4 48	20 30	1 58	20 15	1 38	27 39	3 59	12 25	1 2	23 39	0 2	3 6	0 36	13 57	1 48	19 14	17 23	10 14	9 59	28 19			n.a.
W31	23s34	17s 9	4s22	20s17	2n16	19s55	1s37	27n39	3n59	12s28	1n 3	23s39	0n 2	3n 6	0s36	13n57	1s48	19n14	17n24	10n11	9n57	28s20			n.a.

Julian Day Number = 1630810.5, Delta T = 03h42m01s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'42, Lahiri = - 7°22'42 Julian Calendar 1 Dec. 249 BCE == Greg. Calendar 27 Nov. 249 BCE

The year -248 astronomical counting style corresponds to year 249 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

JANUARY 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 26 6	7♉37'01	8♓11	17°R 5	9♒43	25°R51	5♏27	3♉26	9♈ 7	12°R 8	21°R38	25°R57	25♈24	28♐58	n.a.	T 1
F 2	6 30 3	8°37'57	20°43	16♉13	10°56	25♊29	5°36	3°33	9° 8	12♉ 7	21♍38	25♈53	25°20	29° 4	n.a.	F 2
S 3	6 33 59	9°38'50	3♈33	15°14	12°10	25° 7	5°45	3°40	9° 9	12° 7	21°38	25°52	25°17	29°11	n.a.	S 3
S 4	6 37 56	10°39'42	16°43	14° 9	13°23	24°46	5°54	3°47	9° 9	12° 6	21°38	25°D51	25°14	29°18	n.a.	S 4
M 5	6 41 52	11°40'33	0♉17	12°59	14°36	24°25	6° 3	3°54	9°10	12° 5	21°38	25°R52	25°11	29°25	n.a.	M 5
T 6	6 45 49	12°41'22	14°18	11°47	15°50	24° 5	6°12	4° 1	9°11	12° 5	21°37	25°50	25° 8	29°31	n.a.	T 6
W 7	6 49 45	13°42'09	28°47	10°34	17° 3	23°46	6°21	4° 8	9°12	12° 4	21°37	25°47	25° 5	29°38	n.a.	W 7
T 8	6 53 42	14°42'55	13♊39	9°24	18°16	23°27	6°29	4°15	9°13	12° 3	21°37	25°41	25° 1	29°45	n.a.	T 8
F 9	6 57 38	15°43'39	28°50	8°16	19°29	23° 9	6°38	4°22	9°14	12° 3	21°36	25°32	24°58	29°51	n.a.	F 9
S 10	7 1 35	16°44'22	14♋ 9	7°14	20°42	22°51	6°46	4°29	9°14	12° 2	21°36	25°21	24°55	29°58	n.a.	S 10
S 11	7 5 32	17°45'03	29°25	6°18	21°55	22°34	6°54	4°36	9°16	12° 2	21°35	25°10	24°52	0♑ 5	n.a.	S 11
M12	7 9 28	18°45'42	14♌26	5°29	23° 8	22°18	7° 2	4°43	9°17	12° 1	21°35	24°59	24°49	0°12	n.a.	M12
T 13	7 13 25	19°46'20	29° 5	4°47	24°21	22° 3	7°10	4°50	9°18	12° 1	21°34	24°50	24°46	0°18	n.a.	T 13
W14	7 17 21	20°46'57	13♍14	4°14	25°34	21°48	7°18	4°57	9°19	12° 0	21°34	24°43	24°42	0°25	n.a.	W14
T 15	7 21 18	21°47'32	26°53	3°48	26°47	21°34	7°26	5° 4	9°20	12° 0	21°33	24°39	24°39	0°32	n.a.	T 15
F 16	7 25 14	22°48'06	10♎ 3	3°30	27°59	21°21	7°33	5°11	9°21	12° 0	21°32	24°37	24°36	0°38	n.a.	F 16
S 17	7 29 11	23°48'38	22°46	3°19	29°12	21° 8	7°40	5°18	9°23	11°59	21°32	24°37	24°33	0°45	n.a.	S 17
S 18	7 33 7	24°49'09	5♏ 9	3°D16	0♓24	20°57	7°48	5°25	9°24	11°59	21°31	24°37	24°30	0°52	n.a.	S 18
M19	7 37 4	25°49'39	17°16	3°20	1°37	20°46	7°55	5°32	9°26	11°59	21°30	24°36	24°26	0°58	n.a.	M19
T 20	7 41 1	26°50'07	29°13	3°31	2°49	20°36	8° 2	5°39	9°27	11°59	21°30	24°32	24°23	1° 5	n.a.	T 20
W21	7 44 57	27°50'34	11♐ 4	3°47	4° 2	20°26	8° 8	5°46	9°29	11°58	21°29	24°26	24°20	1°12	n.a.	W21
T 22	7 48 54	28°50'59	22°53	4°10	5°14	20°18	8°15	5°52	9°30	11°58	21°28	24°17	24°17	1°19	n.a.	T 22
F 23	7 52 50	29°51'23	4♑44	4°37	6°26	20°10	8°22	5°59	9°32	11°58	21°27	24° 5	24°14	1°25	n.a.	F 23
S 24	7 56 47	0♒51'45	16°38	5°10	7°38	20° 3	8°28	6° 6	9°33	11°58	21°26	23°52	24°11	1°32	n.a.	S 24
S 25	8 0 43	1°52'05	28°37	5°47	8°50	19°57	8°34	6°13	9°35	11°58	21°25	23°37	24° 7	1°39	n.a.	S 25
M26	8 4 40	2°52'23	10♒43	6°28	10° 2	19°51	8°40	6°19	9°37	11°D58	21°24	23°22	24° 4	1°45	n.a.	M26
T 27	8 8 36	3°52'39	22°56	7°13	11°14	19°47	8°46	6°26	9°39	11°58	21°24	23° 9	24° 1	1°52	n.a.	T 27
W28	8 12 33	4°52'53	5♓17	8° 2	12°25	19°43	8°52	6°33	9°41	11°58	21°23	22°59	23°58	1°59	n.a.	W28
T 29	8 16 30	5°53'05	17°48	8°54	13°37	19°40	8°57	6°39	9°43	11°58	21°21	22°51	23°55	2° 6	n.a.	T 29
F 30	8 20 26	6°53'15	0♈29	9°49	14°48	19°38	9° 3	6°46	9°44	11°58	21°20	22°47	23°52	2°12	n.a.	F 30
S 31	8 24 23	7♒53'23	13♈24	10♉47	16♓ 0	19♊36	9♏ 8	6♉52	9♈46	11♉59	21♍19	22♈45	23♈48	2♑19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23 s30	12 s 3	3 s44	20 s 5	2n33	19 s34	1 s36	27n39	3n59	12 s31	1n 3	23 s39	0n 2	3n 6	0 s36	13n57	1 s48	19n15	17n24	10n 8	9n56	28 s20			n.a.
F 2	23 27	6 23	2 55	19 56	2 49	19 13	1 34	27 38	4 0	12 34	1 3	23 39	0 2	3 7	0 36	13 57	1 48	19 16	17 25	10 7	9 55	28 20			n.a.
S 3	23 22	0 20	1 55	19 49	3 3	18 51	1 33	27 38	4 0	12 37	1 3	23 39	0 2	3 7	0 36	13 57	1 48	19 16	17 26	10 6	9 54	28 21			n.a.
S 4	23 18	5n54	0 48	19 43	3 16	18 28	1 32	27 37	4 0	12 40	1 3	23 38	0 2	3 7	0 36	13 56	1 48	19 17	17 26	10 6	9 53	28 21			n.a.
M 5	23 12	12 4	0n23	19 40	3 26	18 5	1 30	27 36	4 0	12 43	1 3	23 38	0 2	3 8	0 36	13 56	1 48	19 17	17 27	10 6	9 52	28 22			n.a.
T 6	23 7	17 51	1 36	19 38	3 34	17 42	1 29	27 35	4 0	12 45	1 3	23 38	0 2	3 8	0 36	13 56	1 48	19 18	17 27	10 6	9 50	28 22			n.a.
W 7	23 1	22 48	2 45	19 39	3 40	17 18	1 27	27 34	3 59	12 48	1 3	23 38	0 2	3 8	0 36	13 56	1 48	19 19	17 28	10 5	9 49	28 23			n.a.
T 8	22 54	26 25	3 44	19 41	3 43	16 54	1 26	27 33	3 59	12 51	1 3	23 38	0 2	3 9	0 36	13 56	1 48	19 19	17 28	10 3	9 48	28 23			n.a.
F 9	22 47	28 12	4 29	19 44	3 44	16 29	1 24	27 31	3 59	12 54	1 3	23 38	0 2	3 9	0 36	13 56	1 48	19 20	17 29	9 59	9 47	28 23			n.a.
S 10	22 40	27 51	4 55	19 49	3 43	16 4	1 22	27 30	3 58	12 56	1 3	23 38	0 1	3 9	0 36	13 56	1 48	19 21	17 30	9 55	9 46	28 24			n.a.
S 11	22 32	25 24	4 59	19 55	3 40	15 38	1 20	27 28	3 58	12 59	1 4	23 37	0 1	3 10	0 36	13 55	1 47	19 21	17 30	9 51	9 44	28 24			n.a.
M12	22 24	21 12	4 43	20 2	3 35	15 12	1 18	27 27	3 57	13 2	1 4	23 37	0 1	3 10	0 36	13 55	1 47	19 22	17 31	9 47	9 43	28 24			n.a.
T 13	22 15	15 48	4 9	20 10	3 28	14 45	1 16	27 25	3 57	13 4	1 4	23 37	0 1	3 11	0 36	13 55	1 47	19 23	17 31	9 44	9 42	28 25			n.a.
W14	22 6	9 44	3 20	20 19	3 20	14 19	1 14	27 24	3 56	13 6	1 4	23 37	0 1	3 11	0 36	13 55	1 47	19 24	17 32	9 41	9 41	28 25			n.a.
T 15	21 56	3 24	2 21	20 29	3 11	13 52	1 12	27 22	3 55	13 9	1 4	23 37	0 1	3 12	0 36	13 55	1 47	19 24	17 32	9 40	9 40	28 25			n.a.
F 16	21 46	2 s51	1 16	20 40	3 1	13 24	1 10	27 20	3 54	13 11	1 4	23 36	0 1	3 12	0 36	13 55	1 47	19 25	17 33	9 39	9 39	28 26			n.a.
S 17	21 36	8 49	0 10	20 51	2 51	12 56	1 7	27 18	3 53	13 14	1 4	23 36	0 1	3 13	0 36	13 55	1 47	19 26	17 33	9 39	9 37	28 26			n.a.
S 18	21 25	14 16	0 s55	21 2	2 39	12 28	1 5	27 17	3 52	13 16	1 4	23 36	0 1	3 14	0 35	13 55	1 47	19 26	17 34	9 39	9 36	28 26			n.a.
M19	21 14	19 3	1 57	21 13	2 28	12 0	1 2	27 15	3 51	13 18	1 4	23 36	0 1	3 14	0 35	13 55	1 47	19 27	17 34	9 38	9 35	28 27			n.a.
T 20	21 3	23 1	2 52	21 25	2 16	11 31	1 0	27 13	3 50	13 20	1 5	23 36	0 1	3 15	0 35	13 55	1 47	19 28	17 35	9 37	9 34	28 27			n.a.
W21	20 51	25 59	3 39	21 36	2 4	11 2	0 57	27 11	3 49	13 22	1 5	23 35	0 1	3 15	0 35	13 55	1 47	19 29	17 35	9 35	9 33	28 27			n.a.
T 22	20 38	27 48	4 16	21 47	1 52	10 33	0 54	27 9	3 48	13 24	1 5	23 35	0 1	3 16	0 35	13 55	1 47	19 29	17 36	9 32	9 31	28 28			n.a.
F 23	20 26	28 21	4 43	21 58	1 40	10 3	0 52	27 8	3 47	13 26	1 5	23 35	0 0	3 17	0 35	13 55	1 47	19 30	17 36	9 27	9 30	28 28			n.a.
S 24	20 12	27 35	4 57	22 9	1 29	9 34	0 49	27 6	3 46	13 28	1 5	23 35	0 0	3 17	0 35	13 55	1 47	19 31	17 37	9 22	9 29	28 28			n.a.
S 25	19 59	25 33	4 58	22 19	1 17	9 4	0 46	27 4	3 44	13 30	1 5	23 34	0 0	3 18	0 35	13 55	1 47	19 32	17 37	9 17	9 28	28 28			n.a.
M26	19 45	22 20	4 46	22 29	1 5	8 34	0 43	27 3	3 43	13 32	1 5	23 34	0 0	3 19	0 35	13 55	1 47	19 33	17 38	9 11	9 27	28 29			n.a.
T 27	19 31	18 8	4 21	22 38	0 54	8 3	0 40	27 1	3 42	13 34	1 5	23 34	0 0	3 20	0 35	13 55	1 46	19 33	17 38	9 6	9 26	28 29			n.a.
W28	19 16	13 8	3 43	22 46	0 43	7 33	0 37	26 59	3 41	13 36	1 5	23 34	0 0	3 20	0 35	13 55	1 46	19 34	17 39	9 2	9 24	28 29			n.a.
T 29	19 2	7 32	2 53	22 54	0 32	7 2	0 34	26 58	3 39	13 37	1 6	23 33	0 0	3 21	0 35	13 56	1 46	19 35	17 39	9 0	9 23	28 29			n.a.
F 30	18 46	1 33	1 55	23 0	0 21	6 31	0 30	26 56	3 38	13 39	1 6	23 33	0 s 0	3 22	0 35	13 56	1 46	19 36	17 40	8 58	9 22	28 30			n.a.
S 31	18 s31	4n36	0 s49	23 s 6	0n11	6 s 0	0 s27	26n55	3n36	13 s40	1n 6	23 s33	0 s 0	3n23	0 s35	13n56	1 s46	19n37	17n40	8n57	9n21	28 s30			n.a.

Julian Day Number = 1630841.5, Delta T = 03h42m00s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'38, Lahiri = - 7°22'38 Julian Calendar 1 Jan. 248 BCE == Greg. Calendar 28 Dec. 249 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

FEBRUARY 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 28 19	8♒53'28	26♈35	11♉47	17♓11	19°D36	9♏13	6♉59	9♈48	11♉59	21°R18	22°D45	23♈45	2♉26	n.a.	S 1
M 2	8 32 16	9°53'32	10♉ 5	12°51	18°22	19♊36	9°18	7° 5	9°50	11°59	21♍17	22°R45	23°42	2°32	n.a.	M 2
T 3	8 36 12	10°53'33	23°56	13°56	19°33	19°36	9°23	7°11	9°53	11°59	21°16	22♈44	23°39	2°39	n.a.	T 3
W 4	8 40 9	11°53'31	8♊ 8	15° 4	20°44	19°38	9°27	7°18	9°55	12° 0	21°15	22°42	23°36	2°46	n.a.	W 4
T 5	8 44 5	12°53'28	22°41	16°14	21°55	19°40	9°32	7°24	9°57	12° 0	21°14	22°37	23°32	2°53	n.a.	T 5
F 6	8 48 2	13°53'22	7♋31	17°26	23° 6	19°43	9°36	7°30	9°59	12° 0	21°12	22°29	23°29	2°59	n.a.	F 6
S 7	8 51 59	14°53'14	22°31	18°40	24°17	19°47	9°40	7°36	10° 1	12° 1	21°11	22°20	23°26	3° 6	n.a.	S 7
S 8	8 55 55	15°53'04	7♌33	19°56	25°27	19°51	9°44	7°42	10° 4	12° 1	21°10	22°10	23°23	3°13	n.a.	S 8
M 9	8 59 52	16°52'51	22°25	21°13	26°37	19°56	9°47	7°49	10° 6	12° 2	21° 9	22° 0	23°20	3°19	n.a.	M 9
T 10	9 3 48	17°52'37	7♍ 0	22°32	27°48	20° 2	9°51	7°55	10° 8	12° 2	21° 7	21°51	23°17	3°26	n.a.	T 10
W11	9 7 45	18°52'20	21°11	23°53	28°58	20° 8	9°54	8° 1	10°11	12° 3	21° 6	21°45	23°13	3°33	n.a.	W11
T 12	9 11 41	19°52'02	4♎54	25°15	0♈ 8	20°15	9°58	8° 7	10°13	12° 3	21° 5	21°42	23°10	3°40	n.a.	T 12
F 13	9 15 38	20°51'41	18°10	26°39	1°18	20°22	10° 1	8°12	10°16	12° 4	21° 3	21°D40	23° 7	3°46	n.a.	F 13
S 14	9 19 34	21°51'19	1♏ 0	28° 4	2°27	20°31	10° 3	8°18	10°18	12° 5	21° 2	21°40	23° 4	3°53	n.a.	S 14
S 15	9 23 31	22°50'55	13°28	29°31	3°37	20°39	10° 6	8°24	10°21	12° 5	21° 0	21°41	23° 1	4° 0	n.a.	S 15
M16	9 27 28	23°50'29	25°38	0♒59	4°46	20°49	10° 9	8°30	10°23	12° 6	20°59	21°R42	22°58	4° 6	n.a.	M16
T 17	9 31 24	24°50'01	7♐37	2°28	5°56	20°59	10°11	8°36	10°26	12° 7	20°57	21°41	22°54	4°13	n.a.	T 17
W18	9 35 21	25°49'32	19°30	3°59	7° 5	21° 9	10°13	8°41	10°29	12° 7	20°56	21°38	22°51	4°20	n.a.	W18
T 19	9 39 17	26°49'00	1♑20	5°31	8°14	21°20	10°15	8°47	10°31	12° 8	20°55	21°32	22°48	4°27	n.a.	T 19
F 20	9 43 14	27°48'27	13°12	7° 5	9°23	21°32	10°17	8°52	10°34	12° 9	20°53	21°25	22°45	4°33	n.a.	F 20
S 21	9 47 10	28°47'51	25°10	8°40	10°31	21°44	10°18	8°58	10°37	12°10	20°52	21°16	22°42	4°40	n.a.	S 21
S 22	9 51 7	29°47'14	7♒16	10°16	11°40	21°57	10°20	9° 3	10°40	12°11	20°50	21° 6	22°38	4°47	n.a.	S 22
M23	9 55 3	0♓46'34	19°31	11°54	12°48	22°10	10°21	9° 8	10°42	12°12	20°48	20°56	22°35	4°54	n.a.	M23
T 24	9 59 0	1°45'53	1♓57	13°33	13°57	22°23	10°22	9°14	10°45	12°13	20°47	20°47	22°32	5° 0	n.a.	T 24
W25	10 2 57	2°45'09	14°35	15°13	15° 5	22°38	10°23	9°19	10°48	12°14	20°45	20°40	22°29	5° 7	n.a.	W25
T 26	10 6 53	3°44'23	27°23	16°55	16°13	22°52	10°23	9°24	10°51	12°15	20°44	20°35	22°26	5°14	n.a.	T 26
F 27	10 10 50	4°43'34	10♈24	18°38	17°20	23° 7	10°24	9°29	10°54	12°16	20°42	20°33	22°23	5°20	n.a.	F 27
S 28	10 14 46	5♓42'44	23♈36	20♒22	18♈28	23♊23	10♏24	9♉34	10♈57	12♉17	20♍41	20°D32	22♈19	5♉27	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	18s15	10n42	0n20	23s11	0n 1	5s29	0s24	26n53	3n35	13s42	1n 6	23s33	0s 0	3n24	0s35	13n56	1s46	19n38	17n40	8n57	9n20	28s30			n.a.
M 2	17 59	16 27	1 31	23 15	0s 9	4 58	0 20	26 52	3 34	13 43	1 6	23 32	0 0	3 25	0 35	13 56	1 46	19 38	17 41	8 57	9 18	28 30			n.a.
T 3	17 43	21 31	2 37	23 18	0 18	4 26	0 17	26 50	3 32	13 45	1 6	23 32	0 0	3 25	0 35	13 56	1 46	19 39	17 41	8 57	9 17	28 30			n.a.
W 4	17 26	25 29	3 36	23 19	0 28	3 55	0 13	26 49	3 31	13 46	1 6	23 32	0 0	3 26	0 35	13 56	1 46	19 40	17 42	8 56	9 16	28 30			n.a.
T 5	17 9	27 53	4 22	23 20	0 36	3 23	0 10	26 48	3 29	13 47	1 6	23 32	0 0	3 27	0 35	13 57	1 46	19 41	17 42	8 54	9 15	28 31			n.a.
F 6	16 51	28 22	4 52	23 19	0 45	2 52	0 6	26 47	3 28	13 49	1 7	23 31	0 1	3 28	0 35	13 57	1 46	19 42	17 42	8 51	9 14	28 31			n.a.
S 7	16 34	26 47	5 2	23 17	0 53	2 20	0 2	26 45	3 26	13 50	1 7	23 31	0 1	3 29	0 35	13 57	1 46	19 43	17 43	8 48	9 13	28 31			n.a.
S 8	16 16	23 18	4 51	23 14	1 1	1 49	0n 1	26 44	3 25	13 51	1 7	23 31	0 1	3 30	0 35	13 57	1 46	19 43	17 43	8 44	9 11	28 31			n.a.
M 9	15 58	18 19	4 21	23 9	1 8	1 17	0 5	26 43	3 23	13 52	1 7	23 30	0 1	3 31	0 35	13 57	1 46	19 44	17 43	8 40	9 10	28 31			n.a.
T 10	15 39	12 21	3 34	23 3	1 15	0 45	0 9	26 42	3 22	13 53	1 7	23 30	0 1	3 32	0 35	13 58	1 46	19 45	17 44	8 37	9 9	28 31			n.a.
W11	15 21	5 54	2 35	22 56	1 22	0 14	0 13	26 41	3 20	13 54	1 7	23 30	0 1	3 33	0 35	13 58	1 45	19 46	17 44	8 35	9 8	28 31			n.a.
T 12	15 2	0s38	1 28	22 47	1 28	0n18	0 16	26 40	3 19	13 55	1 7	23 30	0 1	3 34	0 35	13 58	1 45	19 47	17 45	8 33	9 7	28 32			n.a.
F 13	14 43	6 55	0 19	22 37	1 34	0 50	0 20	26 39	3 18	13 56	1 7	23 29	0 1	3 35	0 35	13 58	1 45	19 48	17 45	8 33	9 5	28 32			n.a.
S 14	14 23	12 44	0s50	22 25	1 39	1 21	0 24	26 39	3 16	13 56	1 8	23 29	0 1	3 36	0 35	13 59	1 45	19 49	17 45	8 33	9 4	28 32			n.a.
S 15	14 4	17 52	1 54	22 12	1 44	1 53	0 28	26 38	3 15	13 57	1 8	23 29	0 1	3 37	0 35	13 59	1 45	19 49	17 45	8 33	9 3	28 32			n.a.
M16	13 44	22 10	2 51	21 57	1 49	2 25	0 32	26 37	3 13	13 58	1 8	23 28	0 1	3 38	0 35	13 59	1 45	19 50	17 46	8 33	9 2	28 32			n.a.
T 17	13 24	25 28	3 40	21 41	1 53	2 56	0 36	26 36	3 12	13 58	1 8	23 28	0 1	3 39	0 35	13 59	1 45	19 51	17 46	8 33	9 1	28 32			n.a.
W18	13 4	27 37	4 19	21 23	1 57	3 28	0 40	26 35	3 10	13 59	1 8	23 28	0 2	3 40	0 35	14 0	1 45	19 52	17 46	8 32	8 59	28 32			n.a.
T 19	12 43	28 30	4 47	21 4	2 1	3 59	0 44	26 35	3 9	14 0	1 8	23 28	0 2	3 41	0 35	14 0	1 45	19 53	17 47	8 30	8 58	28 32			n.a.
F 20	12 23	28 4	5 2	20 43	2 4	4 30	0 48	26 34	3 7	14 0	1 8	23 27	0 2	3 42	0 34	14 0	1 45	19 54	17 47	8 27	8 57	28 32			n.a.
S 21	12 2	26 21	5 5	20 21	2 7	5 1	0 53	26 33	3 6	14 0	1 8	23 27	0 2	3 43	0 34	14 1	1 45	19 54	17 47	8 23	8 56	28 32			n.a.
S 22	11 41	23 24	4 53	19 57	2 9	5 32	0 57	26 33	3 4	14 1	1 9	23 27	0 2	3 45	0 34	14 1	1 45	19 55	17 47	8 20	8 55	28 32			n.a.
M23	11 20	19 23	4 29	19 31	2 11	6 3	1 1	26 32	3 3	14 1	1 9	23 26	0 2	3 46	0 34	14 1	1 45	19 56	17 48	8 16	8 53	28 32			n.a.
T 24	10 58	14 29	3 51	19 4	2 12	6 34	1 5	26 31	3 1	14 1	1 9	23 26	0 2	3 47	0 34	14 2	1 45	19 57	17 48	8 13	8 52	28 32			n.a.
W25	10 37	8 55	3 1	18 35	2 13	7 4	1 9	26 31	3 0	14 1	1 9	23 26	0 2	3 48	0 34	14 2	1 45	19 58	17 48	8 10	8 51	28 32			n.a.
T 26	10 15	2 54	2 1	18 4	2 13	7 35	1 13	26 30	2 59	14 1	1 9	23 26	0 2	3 49	0 34	14 2	1 44	19 59	17 48	8 8	8 50	28 32			n.a.
F 27	9 54	3n20	0 55	17 32	2 13	8 5	1 18	26 30	2 57	14 1	1 9	23 25	0 2	3 50	0 34	14 3	1 44	19 59	17 48	8 7	8 49	28 32			n.a.
S 28	9s32	9n31	0n17	16s58	2s13	8n35	1n22	26n29	2n56	14s 1	1n 9	23s25	0s 2	3n51	0s34	14n 3	1s44	20n 0	17n49	8n 7	8n47	28s32			n.a.

Julian Day Number = 1630872.5, Delta T = 03h41m59s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'34, Lahiri = - 7°22'33 Julian Calendar 1 Feb. 248 BCE == Greg. Calendar 28 Jan. 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

MARCH 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 18 43	6♓41'51	7♉ 0	22♒ 8	19♈35	23♊39	10°R24	9♑39	11♈ 0	12♉18	20°R39	20♈33	22♈16	5♑34	n.a.	S 1
M 2	10 22 39	7°40'55	20°38	23°55	20°42	23°55	10♏24	9°44	11° 3	12°19	20♍37	20°35	22°13	5°41	n.a.	M 2
T 3	10 26 36	8°39'58	4♊29	25°43	21°49	24°12	10°23	9°49	11° 6	12°20	20°36	20°R35	22°10	5°47	n.a.	T 3
W 4	10 30 32	9°38'58	18°34	27°33	22°56	24°30	10°23	9°53	11° 9	12°22	20°34	20°35	22° 7	5°54	n.a.	W 4
T 5	10 34 29	10°37'55	2♋52	29°25	24° 3	24°48	10°22	9°58	11°12	12°23	20°32	20°33	22° 3	6° 1	n.a.	T 5
F 6	10 38 25	11°36'50	17°21	1♓17	25° 9	25° 6	10°21	10° 3	11°15	12°24	20°31	20°30	22° 0	6° 7	n.a.	F 6
S 7	10 42 22	12°35'43	1♌55	3°12	26°15	25°24	10°20	10° 7	11°18	12°25	20°29	20°25	21°57	6°14	n.a.	S 7
S 8	10 46 19	13°34'33	16°29	5° 7	27°21	25°43	10°19	10°12	11°21	12°27	20°27	20°19	21°54	6°21	n.a.	S 8
M 9	10 50 15	14°33'21	0♍57	7° 4	28°27	26° 2	10°18	10°16	11°24	12°28	20°26	20°14	21°51	6°28	n.a.	M 9
T 10	10 54 12	15°32'07	15°12	9° 3	29°32	26°22	10°16	10°20	11°28	12°29	20°24	20° 9	21°48	6°34	n.a.	T 10
W11	10 58 8	16°30'50	29°10	11° 2	0♉37	26°42	10°14	10°25	11°31	12°31	20°22	20° 6	21°44	6°41	n.a.	W11
T 12	11 2 5	17°29'32	12♎46	13° 3	1°42	27° 3	10°12	10°29	11°34	12°32	20°21	20° 4	21°41	6°48	n.a.	T 12
F 13	11 6 1	18°28'11	25°59	15° 6	2°47	27°23	10°10	10°33	11°37	12°34	20°19	20°D 4	21°38	6°54	n.a.	F 13
S 14	11 9 58	19°26'49	8♏49	17° 9	3°51	27°44	10° 8	10°37	11°41	12°35	20°17	20° 5	21°35	7° 1	n.a.	S 14
S 15	11 13 54	20°25'25	21°20	19°14	4°55	28° 6	10° 5	10°41	11°44	12°37	20°16	20° 7	21°32	7° 8	n.a.	S 15
M16	11 17 51	21°23'59	3♐35	21°19	5°59	28°27	10° 2	10°44	11°47	12°38	20°14	20° 8	21°29	7°15	n.a.	M16
T 17	11 21 48	22°22'32	15°37	23°25	7° 3	28°49	9°59	10°48	11°50	12°40	20°12	20°10	21°25	7°21	n.a.	T 17
W18	11 25 44	23°21'03	27°32	25°32	8° 6	29°12	9°56	10°52	11°54	12°41	20°11	20°R10	21°22	7°28	n.a.	W18
T 19	11 29 41	24°19'32	9♑24	27°39	9° 9	29°34	9°53	10°55	11°57	12°43	20° 9	20° 9	21°19	7°35	n.a.	T 19
F 20	11 33 37	25°17'59	21°19	29°47	10°12	29°57	9°50	10°59	12° 0	12°45	20° 7	20° 7	21°16	7°41	n.a.	F 20
S 21	11 37 34	26°16'25	3♒19	1♈54	11°14	0♋20	9°46	11° 2	12° 4	12°46	20° 5	20° 3	21°13	7°48	n.a.	S 21
S 22	11 41 30	27°14'48	15°30	4° 1	12°16	0°44	9°42	11° 6	12° 7	12°48	20° 4	20° 0	21° 9	7°55	n.a.	S 22
M23	11 45 27	28°13'10	27°53	6° 7	13°18	1° 8	9°38	11° 9	12°10	12°50	20° 2	19°56	21° 6	8° 2	n.a.	M23
T 24	11 49 23	29°11'31	10♓31	8°12	14°19	1°32	9°34	11°12	12°14	12°51	20° 0	19°53	21° 3	8° 8	n.a.	T 24
W25	11 53 20	0♈ 9'49	23°25	10°16	15°20	1°56	9°30	11°15	12°17	12°53	19°59	19°51	21° 0	8°15	n.a.	W25
T 26	11 57 16	1° 8'05	6♈33	12°18	16°21	2°21	9°26	11°18	12°21	12°55	19°57	19°49	20°57	8°22	n.a.	T 26
F 27	12 1 13	2° 6'20	19°57	14°18	17°22	2°45	9°21	11°21	12°24	12°57	19°55	19°D49	20°54	8°29	n.a.	F 27
S 28	12 5 10	3° 4'32	3♉33	16°16	18°22	3°11	9°16	11°24	12°27	12°58	19°54	19°49	20°50	8°35	n.a.	S 28
S 29	12 9 6	4° 2'43	17°22	18°12	19°21	3°36	9°11	11°27	12°31	13° 0	19°52	19°50	20°47	8°42	n.a.	S 29
M30	12 13 3	5° 0'52	1♊19	20° 5	20°20	4° 1	9° 6	11°29	12°34	13° 2	19°51	19°51	20°44	8°49	n.a.	M30
T 31	12 16 59	5♈58'58	15♊24	21♈54	21♉19	4♋27	9♏ 1	11♑32	12♈38	13♉ 4	19♍49	19♈52	20♈41	8♑55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	9s10	15n24	1n28	16s22	2s11	9n 5	1n26	26n29	2n54	14s 1	1n 9	23s25	0s 2	3n53	0s34	14n 4	1s44	20n 1	17n49	8n 7	8n46	28s32			n.a.
M 2	8 47	20 37	2 35	15 45	2 10	9 34	1 30	26 28	2 53	14 1	1 10	23 24	0 2	3 54	0 34	14 4	1 44	20 2	17 49	8 8	8 45	28 32			n.a.
T 3	8 25	24 49	3 35	15 6	2 8	10 4	1 34	26 27	2 52	14 1	1 10	23 24	0 3	3 55	0 34	14 4	1 44	20 3	17 49	8 8	8 44	28 32			n.a.
W 4	8 3	27 36	4 23	14 25	2 5	10 33	1 39	26 27	2 50	14 1	1 10	23 24	0 3	3 56	0 34	14 5	1 44	20 3	17 49	8 8	8 43	28 32			n.a.
T 5	7 40	28 37	4 55	13 43	2 2	11 2	1 43	26 26	2 49	14 0	1 10	23 24	0 3	3 58	0 34	14 5	1 44	20 4	17 49	8 7	8 41	28 32			n.a.
F 6	7 17	27 42	5 9	12 59	1 58	11 30	1 47	26 26	2 48	14 0	1 10	23 23	0 3	3 59	0 34	14 6	1 44	20 5	17 49	8 6	8 40	28 32			n.a.
S 7	6 55	24 54	5 4	12 14	1 54	11 58	1 51	26 25	2 46	13 59	1 10	23 23	0 3	4 0	0 34	14 6	1 44	20 6	17 49	8 4	8 39	28 32			n.a.
S 8	6 32	20 30	4 38	11 27	1 50	12 26	1 55	26 24	2 45	13 59	1 10	23 23	0 3	4 1	0 34	14 7	1 44	20 6	17 50	8 2	8 38	28 32			n.a.
M 9	6 9	14 56	3 55	10 38	1 44	12 54	1 59	26 23	2 44	13 58	1 10	23 23	0 3	4 3	0 34	14 7	1 44	20 7	17 50	8 0	8 37	28 31			n.a.
T 10	5 46	8 38	2 58	9 48	1 38	13 22	2 3	26 23	2 42	13 58	1 10	23 22	0 3	4 4	0 34	14 8	1 44	20 8	17 50	7 58	8 36	28 31			n.a.
W11	5 23	2 2	1 52	8 56	1 32	13 49	2 8	26 22	2 41	13 57	1 10	23 22	0 3	4 5	0 34	14 8	1 44	20 9	17 50	7 57	8 34	28 31			n.a.
T 12	5 0	4s29	0 40	8 3	1 25	14 16	2 12	26 21	2 40	13 56	1 11	23 22	0 3	4 6	0 34	14 9	1 44	20 9	17 50	7 56	8 33	28 31			n.a.
F 13	4 37	10 39	0s32	7 8	1 18	14 42	2 16	26 20	2 38	13 56	1 11	23 22	0 3	4 8	0 34	14 9	1 44	20 10	17 50	7 56	8 32	28 31			n.a.
S 14	4 14	16 12	1 41	6 12	1 10	15 8	2 20	26 19	2 37	13 55	1 11	23 21	0 3	4 9	0 34	14 10	1 44	20 11	17 50	7 57	8 31	28 31			n.a.
S 15	3 50	20 56	2 43	5 15	1 2	15 34	2 23	26 19	2 36	13 54	1 11	23 21	0 4	4 10	0 34	14 10	1 44	20 11	17 50	7 57	8 29	28 31			n.a.
M16	3 27	24 39	3 36	4 17	0 53	15 59	2 27	26 18	2 34	13 53	1 11	23 21	0 4	4 12	0 34	14 11	1 43	20 12	17 50	7 58	8 28	28 30			n.a.
T 17	3 4	27 13	4 18	3 18	0 43	16 24	2 31	26 17	2 33	13 52	1 11	23 21	0 4	4 13	0 34	14 11	1 43	20 13	17 50	7 58	8 27	28 30			n.a.
W18	2 40	28 32	4 49	2 19	0 34	16 49	2 35	26 15	2 32	13 51	1 11	23 20	0 4	4 14	0 34	14 12	1 43	20 13	17 50	7 58	8 26	28 30			n.a.
T 19	2 17	28 31	5 8	1 18	0 24	17 13	2 39	26 14	2 31	13 50	1 11	23 20	0 4	4 16	0 34	14 12	1 43	20 14	17 50	7 58	8 25	28 30			n.a.
F 20	1 53	27 10	5 13	0 17	0 13	17 37	2 42	26 13	2 30	13 49	1 11	23 20	0 4	4 17	0 34	14 13	1 43	20 15	17 50	7 57	8 23	28 30			n.a.
S 21	1 30	24 35	5 5	0n44	0 2	18 0	2 46	26 12	2 28	13 47	1 11	23 20	0 4	4 18	0 34	14 13	1 43	20 15	17 50	7 56	8 22	28 29			n.a.
S 22	1 6	20 53	4 43	1 44	0n 8	18 23	2 50	26 11	2 27	13 46	1 11	23 20	0 4	4 20	0 34	14 14	1 43	20 16	17 50	7 55	8 21	28 29			n.a.
M23	0 43	16 13	4 8	2 45	0 19	18 46	2 53	26 9	2 26	13 45	1 12	23 19	0 4	4 21	0 34	14 14	1 43	20 17	17 50	7 53	8 20	28 29			n.a.
T 24	0 20	10 47	3 20	3 45	0 30	19 8	2 57	26 8	2 25	13 43	1 12	23 19	0 4	4 22	0 34	14 15	1 43	20 17	17 50	7 52	8 19	28 29			n.a.
W25	0n 4	4 47	2 20	4 45	0 41	19 30	3 0	26 6	2 24	13 42	1 12	23 19	0 4	4 24	0 34	14 15	1 43	20 18	17 49	7 51	8 17	28 29			n.a.
T 26	0 27	1n32	1 12	5 43	0 52	19 51	3 3	26 5	2 22	13 40	1 12	23 19	0 5	4 25	0 34	14 16	1 43	20 18	17 49	7 51	8 16	28 28			n.a.
F 27	0 51	7 54	0n 1	6 41	1 3	20 12	3 7	26 3	2 21	13 39	1 12	23 19	0 5	4 26	0 34	14 17	1 43	20 19	17 49	7 50	8 15	28 28			n.a.
S 28	1 14	14 2	1 15	7 36	1 14	20 32	3 10	26 1	2 20	13 37	1 12	23 19	0 5	4 28	0 34	14 17	1 43	20 19	17 49	7 51	8 14	28 28			n.a.
S 29	1 38	19 33	2 26	8 31	1 24	20 52	3 13	26 0	2 19	13 36	1 12	23 18	0 5	4 29	0 34	14 18	1 43	20 20	17 49	7 51	8 13	28 28			n.a.
M30	2 1	24 5	3 29	9 23	1 34	21 11	3 16	25 58	2 18	13 34	1 12	23 18	0 5	4 30	0 34	14 18	1 43	20 21	17 49	7 51	8 11	28 27			n.a.
T 31	2n24	27n14	4n21	10n13	1n43	21n30	3n19	25n56	2n17	13s32	1n12	23s18	0s 5	4n32	0s34	14n19	1s43	20n21	17n49	7n52	8n10	28s27			n.a.

Julian Day Number = 1630900.5, Delta T = 03h41m58s
Ecliptic obliquity = 23°43'40, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'30, Lahiri = - 7°22'30 Julian Calendar 1 March 248 BCE == Greg. Calendar 25 Feb. 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

APRIL 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 20 56	6♈57'03	29♊35	23♈41	22♉17	4♋53	8°R56	11♑34	12♈41	13♉ 6	19°R47	19♈53	20♈38	9♑ 2	n.a.	W 1
T 2	12 24 52	7°55'06	13♋48	25°24	23°15	5°20	8♏50	11°36	12°45	13° 8	19♍46	19°R53	20°35	9° 9	n.a.	T 2
F 3	12 28 49	8°53'06	28° 2	27° 4	24°13	5°46	8°45	11°39	12°48	13°10	19°44	19°52	20°31	9°16	n.a.	F 3
S 4	12 32 45	9°51'05	12♌15	28°40	25°10	6°13	8°39	11°41	12°51	13°11	19°43	19°52	20°28	9°22	n.a.	S 4
S 5	12 36 42	10°49'01	26°22	0♉12	26° 6	6°40	8°33	11°43	12°55	13°13	19°41	19°50	20°25	9°29	n.a.	S 5
M 6	12 40 39	11°46'55	10♍21	1°41	27° 2	7° 7	8°27	11°45	12°58	13°15	19°40	19°49	20°22	9°36	n.a.	M 6
T 7	12 44 35	12°44'48	24° 9	3° 5	27°57	7°34	8°21	11°47	13° 2	13°17	19°38	19°49	20°19	9°42	n.a.	T 7
W 8	12 48 32	13°42'39	7♎42	4°26	28°52	8° 2	8°15	11°49	13° 5	13°19	19°37	19°48	20°15	9°49	n.a.	W 8
T 9	12 52 28	14°40'28	21° 0	5°42	29°47	8°29	8° 9	11°50	13° 9	13°21	19°35	19°D48	20°12	9°56	n.a.	T 9
F 10	12 56 25	15°38'16	4♏ 1	6°55	0♊40	8°57	8° 2	11°52	13°12	13°23	19°34	19°48	20° 9	10° 3	n.a.	F 10
S 11	13 0 21	16°36'02	16°44	8° 3	1°33	9°25	7°56	11°53	13°16	13°25	19°32	19°48	20° 6	10° 9	n.a.	S 11
S 12	13 4 18	17°33'47	29°12	9° 7	2°26	9°54	7°49	11°55	13°19	13°27	19°31	19°49	20° 3	10°16	n.a.	S 12
M13	13 8 14	18°31'30	11♐26	10° 6	3°18	10°22	7°42	11°56	13°23	13°30	19°29	19°49	20° 0	10°23	n.a.	M13
T 14	13 12 11	19°29'13	23°29	11° 2	4° 9	10°51	7°35	11°57	13°26	13°32	19°28	19°R49	19°56	10°30	n.a.	T 14
W15	13 16 8	20°26'54	5♑25	11°52	4°59	11°20	7°29	11°59	13°29	13°34	19°26	19°49	19°53	10°36	n.a.	W15
T 16	13 20 4	21°24'34	17°19	12°38	5°49	11°49	7°22	12° 0	13°33	13°36	19°25	19°D49	19°50	10°43	n.a.	T 16
F 17	13 24 1	22°22'13	29°14	13°20	6°38	12°18	7°14	12° 0	13°36	13°38	19°24	19°49	19°47	10°50	n.a.	F 17
S 18	13 27 57	23°19'50	11♒15	13°57	7°26	12°47	7° 7	12° 1	13°40	13°40	19°22	19°49	19°44	10°56	n.a.	S 18
S 19	13 31 54	24°17'27	23°27	14°29	8°14	13°17	7° 0	12° 2	13°43	13°42	19°21	19°50	19°40	11° 3	n.a.	S 19
M20	13 35 50	25°15'02	5♓54	14°57	9° 1	13°46	6°53	12° 3	13°47	13°44	19°20	19°50	19°37	11°10	n.a.	M20
T 21	13 39 47	26°12'36	18°39	15°20	9°46	14°16	6°45	12° 3	13°50	13°46	19°19	19°51	19°34	11°17	n.a.	T 21
W22	13 43 43	27°10'09	1♈43	15°38	10°31	14°46	6°38	12° 4	13°53	13°49	19°17	19°51	19°31	11°23	n.a.	W22
T 23	13 47 40	28° 7'41	15° 8	15°51	11°15	15°16	6°31	12° 4	13°57	13°51	19°16	19°R51	19°28	11°30	n.a.	T 23
F 24	13 51 37	29° 5'12	28°53	16° 0	11°58	15°47	6°23	12° 4	14° 0	13°53	19°15	19°51	19°25	11°37	n.a.	F 24
S 25	13 55 33	0♉ 2'42	12♉56	16°R 3	12°40	16°17	6°16	12° 4	14° 3	13°55	19°14	19°51	19°21	11°43	n.a.	S 25
S 26	13 59 30	1° 0'10	27°11	16° 3	13°22	16°48	6° 8	12°R 4	14° 7	13°57	19°13	19°50	19°18	11°50	n.a.	S 26
M27	14 3 26	1°57'37	11♊36	15°57	14° 2	17°18	6° 0	12° 4	14°10	13°59	19°11	19°48	19°15	11°57	n.a.	M27
T 28	14 7 23	2°55'03	26° 4	15°48	14°40	17°49	5°53	12° 4	14°13	14° 2	19°10	19°47	19°12	12° 4	n.a.	T 28
W29	14 11 19	3°52'28	10♋30	15°34	15°18	18°20	5°45	12° 4	14°17	14° 4	19° 9	19°46	19° 9	12°10	n.a.	W29
T 30	14 15 16	4♉49'51	24♋51	15♉16	15♊55	18♋51	5♏38	12♑ 4	14♈20	14♉ 6	19♍ 8	19♈45	19♈ 6	12♑17	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n47	28n40	4n56	11n 2	1n52	21n48	3n22	25n54	2n16	13s31	1n12	23s18	0s 5	4n33	0s34	14n20	1s43	20n22	17n49	7n52	8n 9	28s27		n.a.
T 2	3 11	28 13	5 14	11 48	2 0	22 6	3 25	25 51	2 14	13 29	1 12	23 18	0 5	4 34	0 34	14 20	1 43	20 22	17 48	7 52	8 8	28 26		n.a.
F 3	3 34	25 54	5 13	12 32	2 8	22 24	3 27	25 49	2 13	13 27	1 12	23 18	0 5	4 36	0 34	14 21	1 43	20 22	17 48	7 52	8 7	28 26		n.a.
S 4	3 57	22 0	4 52	13 13	2 15	22 40	3 30	25 47	2 12	13 25	1 12	23 18	0 5	4 37	0 34	14 21	1 43	20 23	17 48	7 51	8 5	28 26		n.a.
S 5	4 20	16 51	4 14	13 52	2 21	22 57	3 32	25 44	2 11	13 23	1 12	23 18	0 5	4 39	0 34	14 22	1 43	20 23	17 48	7 51	8 4	28 25		n.a.
M 6	4 43	10 53	3 21	14 29	2 26	23 12	3 34	25 42	2 10	13 21	1 12	23 18	0 6	4 40	0 34	14 23	1 43	20 24	17 48	7 51	8 3	28 25		n.a.
T 7	5 6	4 27	2 17	15 3	2 31	23 27	3 37	25 39	2 9	13 19	1 12	23 17	0 6	4 41	0 34	14 23	1 43	20 24	17 47	7 50	8 2	28 25		n.a.
W 8	5 28	2s 5	1 6	15 34	2 35	23 42	3 39	25 36	2 8	13 17	1 12	23 17	0 6	4 43	0 34	14 24	1 42	20 25	17 47	7 50	8 1	28 24		n.a.
T 9	5 51	8 24	0s 7	16 3	2 38	23 56	3 41	25 34	2 7	13 15	1 12	23 17	0 6	4 44	0 34	14 25	1 42	20 25	17 47	7 50	7 59	28 24		n.a.
F 10	6 14	14 14	1 18	16 30	2 40	24 10	3 42	25 31	2 6	13 13	1 12	23 17	0 6	4 45	0 34	14 25	1 42	20 25	17 47	7 50	7 58	28 24		n.a.
S 11	6 36	19 20	2 24	16 54	2 41	24 22	3 44	25 28	2 5	13 11	1 12	23 17	0 6	4 47	0 34	14 26	1 42	20 26	17 46	7 50	7 57	28 23		n.a.
S 12	6 58	23 30	3 21	17 15	2 41	24 35	3 46	25 24	2 4	13 9	1 12	23 17	0 6	4 48	0 34	14 27	1 42	20 26	17 46	7 50	7 56	28 23		n.a.
M13	7 21	26 31	4 9	17 33	2 41	24 47	3 47	25 21	2 3	13 7	1 12	23 17	0 6	4 49	0 34	14 27	1 42	20 26	17 46	7 50	7 54	28 22		n.a.
T 14	7 43	28 18	4 44	17 50	2 39	24 58	3 48	25 18	2 2	13 4	1 12	23 17	0 6	4 51	0 34	14 28	1 42	20 27	17 46	7 50	7 53	28 22		n.a.
W15	8 5	28 43	5 7	18 3	2 36	25 9	3 49	25 14	2 1	13 2	1 12	23 17	0 6	4 52	0 34	14 28	1 42	20 27	17 45	7 50	7 52	28 22		n.a.
T 16	8 27	27 49	5 16	18 14	2 33	25 19	3 50	25 11	2 0	13 0	1 12	23 17	0 6	4 54	0 34	14 29	1 42	20 27	17 45	7 50	7 51	28 21		n.a.
F 17	8 49	25 39	5 12	18 23	2 28	25 28	3 51	25 7	1 59	12 58	1 12	23 17	0 7	4 55	0 34	14 30	1 42	20 27	17 45	7 50	7 50	28 21		n.a.
S 18	9 10	22 19	4 55	18 29	2 22	25 37	3 52	25 3	1 58	12 55	1 12	23 17	0 7	4 56	0 34	14 30	1 42	20 28	17 44	7 50	7 48	28 20		n.a.
S 19	9 32	18 0	4 24	18 32	2 16	25 46	3 52	24 59	1 57	12 53	1 12	23 17	0 7	4 58	0 34	14 31	1 42	20 28	17 44	7 51	7 47	28 20		n.a.
M20	9 53	12 51	3 40	18 33	2 8	25 53	3 52	24 55	1 56	12 51	1 12	23 17	0 7	4 59	0 34	14 32	1 42	20 28	17 44	7 51	7 46	28 19		n.a.
T 21	10 14	7 4	2 44	18 32	2 0	26 1	3 52	24 51	1 55	12 48	1 12	23 17	0 7	5 0	0 34	14 32	1 42	20 28	17 43	7 51	7 45	28 19		n.a.
W22	10 35	0 49	1 39	18 28	1 50	26 7	3 52	24 47	1 54	12 46	1 12	23 17	0 7	5 2	0 34	14 33	1 42	20 29	17 43	7 51	7 44	28 18		n.a.
T 23	10 56	5n38	0 26	18 22	1 39	26 13	3 52	24 42	1 53	12 43	1 12	23 17	0 7	5 3	0 34	14 34	1 42	20 29	17 43	7 51	7 42	28 18		n.a.
F 24	11 17	11 59	0n50	18 13	1 28	26 19	3 51	24 38	1 52	12 41	1 12	23 18	0 7	5 4	0 34	14 34	1 42	20 29	17 42	7 51	7 41	28 17		n.a.
S 25	11 37	17 52	2 4	18 2	1 15	26 24	3 51	24 33	1 51	12 39	1 12	23 18	0 7	5 6	0 34	14 35	1 42	20 29	17 42	7 51	7 40	28 17		n.a.
S 26	11 58	22 53	3 12	17 49	1 2	26 28	3 50	24 28	1 50	12 36	1 12	23 18	0 7	5 7	0 34	14 36	1 42	20 29	17 41	7 51	7 39	28 16		n.a.
M27	12 18	26 33	4 8	17 34	0 48	26 32	3 48	24 23	1 49	12 34	1 11	23 18	0 7	5 8	0 34	14 36	1 42	20 29	17 41	7 50	7 37	28 16		n.a.
T 28	12 38	28 29	4 49	17 17	0 33	26 35	3 47	24 18	1 48	12 31	1 11	23 18	0 8	5 9	0 34	14 37	1 42	20 29	17 41	7 50	7 36	28 15		n.a.
W29	12 58	28 29	5 11	16 58	0 17	26 38	3 45	24 13	1 47	12 29	1 11	23 18	0 8	5 11	0 34	14 38	1 42	20 29	17 40	7 49	7 35	28 15		n.a.
T 30	13n17	26n34	5n14	16n37	0n 1	26n40	3n43	24n 8	1n46	12s26	1n11	23s18	0s 8	5n12	0s34	14n39	1s42	20n29	17n40	7n49	7n34	28s14		n.a.

Julian Day Number = 1630931.5, Delta T = 03h41m57s
Ecliptic obliquity = 23°43'40, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'26, Lahiri = - 7°22'25 Julian Calendar 1 Apr. 248 BCE == Greg. Calendar 28 March 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

MAY 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 19 12	5♉47'13	9♌ 2	14°R54	16♊30	19♋23	5°R30	12°R 3	14♈23	14♉ 8	19°R 7	19°D45	19♈ 2	12♏24	n.a.	F 1
S 2	14 23 9	6°44'34	23° 2	14♉30	17° 4	19°54	5♏22	12♏ 3	14°27	14°11	19♍ 6	19♈45	18°59	12°31	n.a.	S 2
S 3	14 27 6	7°41'53	6♍50	14° 3	17°36	20°26	5°15	12° 2	14°30	14°13	19° 5	19°46	18°56	12°37	n.a.	S 3
M 4	14 31 2	8°39'11	20°25	13°33	18° 8	20°57	5° 7	12° 1	14°33	14°15	19° 4	19°48	18°53	12°44	n.a.	M 4
T 5	14 34 59	9°36'28	3♎47	13° 1	18°37	21°29	4°59	12° 1	14°36	14°17	19° 3	19°49	18°50	12°51	n.a.	T 5
W 6	14 38 55	10°33'44	16°55	12°29	19° 6	22° 1	4°52	12° 0	14°39	14°20	19° 2	19°R49	18°46	12°57	n.a.	W 6
T 7	14 42 52	11°30'59	29°51	11°55	19°32	22°33	4°44	11°59	14°43	14°22	19° 2	19°49	18°43	13° 4	n.a.	T 7
F 8	14 46 48	12°28'13	12♏34	11°21	19°57	23° 5	4°37	11°58	14°46	14°24	19° 1	19°48	18°40	13°11	n.a.	F 8
S 9	14 50 45	13°25'27	25° 5	10°48	20°21	23°38	4°29	11°56	14°49	14°26	19° 0	19°45	18°37	13°18	n.a.	S 9
S 10	14 54 41	14°22'39	7♐24	10°16	20°42	24°10	4°22	11°55	14°52	14°28	18°59	19°42	18°34	13°24	n.a.	S 10
M11	14 58 38	15°19'52	19°33	9°45	21° 2	24°42	4°14	11°54	14°55	14°31	18°58	19°38	18°31	13°31	n.a.	M11
T 12	15 2 35	16°17'03	1♑33	9°17	21°20	25°15	4° 7	11°52	14°58	14°33	18°58	19°33	18°27	13°38	n.a.	T 12
W13	15 6 31	17°14'15	13°29	8°51	21°36	25°48	4° 0	11°51	15° 1	14°35	18°57	19°29	18°24	13°44	n.a.	W13
T 14	15 10 28	18°11'25	25°21	8°28	21°50	26°21	3°53	11°49	15° 4	14°37	18°56	19°26	18°21	13°51	n.a.	T 14
F 15	15 14 24	19° 8'36	7♒16	8° 8	22° 2	26°54	3°45	11°47	15° 7	14°40	18°56	19°24	18°18	13°58	n.a.	F 15
S 16	15 18 21	20° 5'46	19°16	7°52	22°12	27°27	3°38	11°45	15°10	14°42	18°55	19°D24	18°15	14° 5	n.a.	S 16
S 17	15 22 17	21° 2'56	1♓26	7°41	22°20	28° 0	3°31	11°43	15°13	14°44	18°55	19°24	18°12	14°11	n.a.	S 17
M18	15 26 14	22° 0'05	13°52	7°33	22°26	28°33	3°24	11°41	15°16	14°46	18°54	19°25	18° 8	14°18	n.a.	M18
T 19	15 30 10	22°57'15	26°37	7°D29	22°29	29° 7	3°17	11°39	15°19	14°49	18°53	19°27	18° 5	14°25	n.a.	T 19
W20	15 34 7	23°54'24	9♈45	7°31	22°R30	29°40	3°11	11°37	15°22	14°51	18°53	19°28	18° 2	14°32	n.a.	W20
T 21	15 38 4	24°51'33	23°18	7°36	22°29	0♌14	3° 4	11°35	15°25	14°53	18°53	19°R28	17°59	14°38	n.a.	T 21
F 22	15 42 0	25°48'42	7♉17	7°47	22°26	0°48	2°57	11°33	15°28	14°55	18°52	19°27	17°56	14°45	n.a.	F 22
S 23	15 45 57	26°45'51	21°38	8° 2	22°20	1°21	2°51	11°30	15°30	14°57	18°52	19°24	17°52	14°52	n.a.	S 23
S 24	15 49 53	27°42'59	6♊18	8°22	22°12	1°55	2°45	11°28	15°33	15° 0	18°51	19°20	17°49	14°58	n.a.	S 24
M25	15 53 50	28°40'08	21° 9	8°46	22° 1	2°29	2°38	11°25	15°36	15° 2	18°51	19°14	17°46	15° 5	n.a.	M25
T 26	15 57 46	29°37'16	6♋ 2	9°16	21°48	3° 4	2°32	11°22	15°39	15° 4	18°51	19° 9	17°43	15°12	n.a.	T 26
W27	16 1 43	0♊34'23	20°50	9°49	21°33	3°38	2°26	11°20	15°41	15° 6	18°51	19° 3	17°40	15°19	n.a.	W27
T 28	16 5 40	1°31'31	5♌26	10°28	21°15	4°12	2°20	11°17	15°44	15° 8	18°50	18°59	17°37	15°25	n.a.	T 28
F 29	16 9 36	2°28'37	19°44	11°10	20°55	4°47	2°15	11°14	15°47	15°11	18°50	18°57	17°33	15°32	n.a.	F 29
S 30	16 13 33	3°25'44	3♍43	11°58	20°33	5°21	2° 9	11°11	15°49	15°13	18°50	18°D56	17°30	15°39	n.a.	S 30
S 31	16 17 29	4♊22'50	17♍22	12♉49	20♊ 9	5♌56	2♏ 4	11♏ 8	15♈52	15♉15	18♍50	18♈57	17♈27	15♏46	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n37	23n 0	4n58	16n15	0s16	26n42	3n41	24n 2	1n45	12s24	1n11	23s18	0s 8	5n13	0s34	14n39	1s42	20n29	17n39	7n49	7n33	28s14		n.a.
S 2	13 56	18 9	4 24	15 52	0 33	26 43	3 38	23 57	1 44	12 21	1 11	23 18	0 8	5 15	0 34	14 40	1 42	20 29	17 39	7 49	7 31	28 13		n.a.
S 3	14 15	12 26	3 35	15 27	0 50	26 43	3 36	23 51	1 43	12 19	1 11	23 19	0 8	5 16	0 34	14 41	1 42	20 29	17 38	7 49	7 30	28 13		n.a.
M 4	14 33	6 13	2 35	15 2	1 7	26 43	3 33	23 45	1 42	12 16	1 11	23 19	0 8	5 17	0 34	14 41	1 42	20 29	17 38	7 50	7 29	28 12		n.a.
T 5	14 52	0s11	1 27	14 36	1 24	26 42	3 29	23 39	1 41	12 14	1 11	23 19	0 8	5 18	0 34	14 42	1 42	20 29	17 38	7 50	7 28	28 11		n.a.
W 6	15 10	6 29	0 16	14 10	1 41	26 41	3 25	23 33	1 40	12 12	1 10	23 19	0 8	5 20	0 34	14 43	1 42	20 29	17 37	7 51	7 26	28 11		n.a.
T 7	15 28	12 25	0s55	13 44	1 57	26 39	3 21	23 27	1 39	12 9	1 10	23 19	0 8	5 21	0 34	14 43	1 42	20 29	17 37	7 50	7 25	28 10		n.a.
F 8	15 46	17 43	2 2	13 19	2 13	26 37	3 17	23 21	1 39	12 7	1 10	23 19	0 9	5 22	0 34	14 44	1 42	20 29	17 36	7 50	7 24	28 10		n.a.
S 9	16 3	22 12	3 2	12 54	2 28	26 34	3 12	23 14	1 38	12 4	1 10	23 20	0 9	5 23	0 34	14 45	1 42	20 29	17 36	7 49	7 23	28 9		n.a.
S 10	16 21	25 37	3 52	12 31	2 42	26 31	3 7	23 7	1 37	12 2	1 10	23 20	0 9	5 24	0 34	14 45	1 42	20 29	17 35	7 48	7 22	28 8		n.a.
M11	16 38	27 49	4 31	12 8	2 56	26 27	3 2	23 1	1 36	12 0	1 10	23 20	0 9	5 26	0 34	14 46	1 42	20 29	17 35	7 46	7 20	28 8		n.a.
T 12	16 54	28 41	4 57	11 48	3 8	26 22	2 56	22 54	1 35	11 57	1 10	23 20	0 9	5 27	0 34	14 47	1 42	20 29	17 34	7 44	7 19	28 7		n.a.
W13	17 11	28 11	5 11	11 29	3 19	26 17	2 50	22 47	1 34	11 55	1 9	23 21	0 9	5 28	0 34	14 47	1 42	20 28	17 34	7 43	7 18	28 6		n.a.
T 14	17 27	26 25	5 11	11 12	3 29	26 12	2 44	22 40	1 33	11 53	1 9	23 21	0 9	5 29	0 34	14 48	1 42	20 28	17 33	7 42	7 17	28 6		n.a.
F 15	17 43	23 28	4 58	10 58	3 37	26 6	2 37	22 32	1 32	11 50	1 9	23 21	0 9	5 30	0 34	14 49	1 42	20 28	17 33	7 41	7 15	28 5		n.a.
S 16	17 59	19 31	4 31	10 46	3 45	25 59	2 29	22 25	1 31	11 48	1 9	23 21	0 9	5 32	0 34	14 49	1 42	20 28	17 32	7 41	7 14	28 4		n.a.
S 17	18 14	14 42	3 52	10 36	3 51	25 52	2 22	22 17	1 31	11 46	1 9	23 22	0 10	5 33	0 34	14 50	1 42	20 28	17 32	7 41	7 13	28 4		n.a.
M18	18 29	9 13	3 2	10 29	3 55	25 44	2 14	22 10	1 30	11 44	1 9	23 22	0 10	5 34	0 34	14 51	1 42	20 27	17 31	7 41	7 12	28 3		n.a.
T 19	18 44	3 13	2 1	10 25	3 59	25 35	2 5	22 2	1 29	11 41	1 8	23 22	0 10	5 35	0 34	14 51	1 42	20 27	17 31	7 42	7 11	28 2		n.a.
W20	18 58	3n 6	0 53	10 23	4 1	25 27	1 56	21 54	1 28	11 39	1 8	23 23	0 10	5 36	0 34	14 52	1 42	20 27	17 30	7 42	7 9	28 2		n.a.
T 21	19 13	9 29	0n21	10 24	4 2	25 17	1 47	21 46	1 27	11 37	1 8	23 23	0 10	5 37	0 34	14 53	1 42	20 26	17 30	7 43	7 8	28 1		n.a.
F 22	19 27	15 36	1 35	10 27	4 2	25 7	1 37	21 37	1 26	11 35	1 8	23 23	0 10	5 38	0 34	14 53	1 42	20 26	17 29	7 42	7 7	28 0		n.a.
S 23	19 40	21 3	2 46	10 33	4 1	24 56	1 26	21 29	1 25	11 33	1 8	23 23	0 10	5 39	0 34	14 54	1 42	20 26	17 28	7 41	7 6	28 0		n.a.
S 24	19 53	25 20	3 47	10 42	3 59	24 45	1 16	21 21	1 25	11 31	1 7	23 24	0 10	5 40	0 34	14 54	1 42	20 25	17 28	7 39	7 4	27 59		n.a.
M25	20 6	27 58	4 33	10 53	3 55	24 34	1 5	21 12	1 24	11 29	1 7	23 24	0 10	5 41	0 34	14 55	1 42	20 25	17 27	7 37	7 3	27 58		n.a.
T 26	20 19	28 36	5 1	11 6	3 51	24 21	0 53	21 3	1 23	11 27	1 7	23 24	0 10	5 43	0 34	14 56	1 42	20 25	17 27	7 35	7 2	27 57		n.a.
W27	20 31	27 11	5 9	11 22	3 46	24 8	0 41	20 54	1 22	11 25	1 7	23 25	0 11	5 44	0 34	14 56	1 42	20 24	17 26	7 33	7 1	27 57		n.a.
T 28	20 43	23 55	4 57	11 39	3 40	23 55	0 29	20 45	1 21	11 23	1 7	23 25	0 11	5 45	0 34	14 57	1 42	20 24	17 26	7 31	7 0	27 56		n.a.
F 29	20 54	19 16	4 26	11 59	3 33	23 41	0 16	20 36	1 20	11 22	1 6	23 25	0 11	5 46	0 34	14 58	1 42	20 23	17 25	7 30	6 58	27 55		n.a.
S 30	21 6	13 40	3 40	12 21	3 26	23 27	0 3	20 27	1 20	11 20	1 6	23 26	0 11	5 47	0 34	14 58	1 42	20 23	17 25	7 30	6 57	27 54		n.a.
S 31	21n16	7n32	2n42	12n44	3s18	23n12	0s10	20n17	1n19	11s18	1n 6	23s26	0s11	5n48	0s34	14n59	1s42	20n22	17n24	7n30	6n56	27s53		n.a.

Julian Day Number = 1630961.5, Delta T = 03h41m56s
Ecliptic obliquity = 23°43'40, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'22, Lahiri = - 7°22'21 Julian Calendar 1 May 248 BCE == Greg. Calendar 27 Apr. 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

JUNE 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 21 26	5♊19'55	0♎42	13♉45	19°R42	6♌30	1°R58	11°R 5	15♈54	15♉17	18°R50	18♈58	17♈24	15♂52	n.a.	M 1
T 2	16 25 22	6°17'01	13°46	14°45	19♊14	7° 5	1♏53	11♂ 2	15°57	15°19	18♍50	18°R59	17°21	15°59	n.a.	T 2
W 3	16 29 19	7°14'06	26°35	15°50	18°44	7°40	1°48	10°58	15°59	15°21	18°D50	18°59	17°18	16° 6	n.a.	W 3
T 4	16 33 15	8°11'11	9♏11	16°58	18°12	8°15	1°43	10°55	16° 2	15°23	18°50	18°57	17°14	16°12	n.a.	T 4
F 5	16 37 12	9° 8'16	21°37	18°11	17°39	8°50	1°38	10°52	16° 4	15°25	18°50	18°53	17°11	16°19	n.a.	F 5
S 6	16 41 9	10° 5'21	3♐53	19°28	17° 5	9°25	1°34	10°48	16° 6	15°28	18°50	18°46	17° 8	16°26	n.a.	S 6
S 7	16 45 5	11° 2'27	16° 2	20°49	16°29	10° 1	1°29	10°45	16° 9	15°30	18°50	18°38	17° 5	16°33	n.a.	S 7
M 8	16 49 2	11°59'33	28° 4	22°13	15°53	10°36	1°25	10°41	16°11	15°32	18°50	18°28	17° 2	16°39	n.a.	M 8
T 9	16 52 58	12°56'39	10♑ 1	23°42	15°16	11°11	1°21	10°37	16°13	15°34	18°51	18°18	16°58	16°46	n.a.	T 9
W10	16 56 55	13°53'45	21°54	25°14	14°38	11°47	1°17	10°34	16°15	15°36	18°51	18° 9	16°55	16°53	n.a.	W10
T 11	17 0 51	14°50'52	3♒46	26°50	14° 1	12°23	1°13	10°30	16°18	15°38	18°51	18° 0	16°52	17° 0	n.a.	T 11
F 12	17 4 48	15°48'00	15°39	28°29	13°24	12°58	1° 9	10°26	16°20	15°40	18°51	17°54	16°49	17° 6	n.a.	F 12
S 13	17 8 45	16°45'08	27°38	0♓12	12°47	13°34	1° 6	10°22	16°22	15°42	18°52	17°50	16°46	17°13	n.a.	S 13
S 14	17 12 41	17°42'17	9♓46	1°59	12°10	14°10	1° 3	10°18	16°24	15°44	18°52	17°48	16°43	17°20	n.a.	S 14
M15	17 16 38	18°39'26	22° 9	3°48	11°35	14°46	0°59	10°14	16°26	15°46	18°52	17°D48	16°39	17°26	n.a.	M15
T 16	17 20 34	19°36'36	4♈51	5°41	11° 0	15°22	0°56	10°10	16°28	15°48	18°53	17°48	16°36	17°33	n.a.	T 16
W17	17 24 31	20°33'48	17°56	7°36	10°27	15°58	0°54	10° 6	16°30	15°50	18°53	17°R49	16°33	17°40	n.a.	W17
T 18	17 28 27	21°30'59	1♉28	9°34	9°55	16°34	0°51	10° 2	16°32	15°51	18°54	17°48	16°30	17°47	n.a.	T 18
F 19	17 32 24	22°28'12	15°29	11°34	9°25	17°11	0°49	9°58	16°34	15°53	18°54	17°45	16°27	17°53	n.a.	F 19
S 20	17 36 20	23°25'26	29°58	13°36	8°56	17°47	0°46	9°54	16°35	15°55	18°55	17°40	16°24	18° 0	n.a.	S 20
S 21	17 40 17	24°22'40	14♊50	15°39	8°30	18°23	0°44	9°50	16°37	15°57	18°55	17°32	16°20	18° 7	n.a.	S 21
M22	17 44 14	25°19'56	29°57	17°44	8° 5	19° 0	0°42	9°46	16°39	15°59	18°56	17°23	16°17	18°14	n.a.	M22
T 23	17 48 10	26°17'12	15♋11	19°50	7°43	19°37	0°41	9°41	16°41	16° 1	18°57	17°13	16°14	18°20	n.a.	T 23
W24	17 52 7	27°14'28	0♌18	21°56	7°22	20°13	0°39	9°37	16°42	16° 2	18°57	17° 4	16°11	18°27	n.a.	W24
T 25	17 56 3	28°11'46	15°12	24° 3	7° 4	20°50	0°38	9°33	16°44	16° 4	18°58	16°57	16° 8	18°34	n.a.	T 25
F 26	18 0 0	29° 9'03	29°43	26°10	6°48	21°27	0°36	9°28	16°45	16° 6	18°59	16°51	16° 4	18°40	n.a.	F 26
S 27	18 3 56	0♋ 6'21	13♍49	28°17	6°35	22° 4	0°35	9°24	16°47	16° 8	19° 0	16°49	16° 1	18°47	n.a.	S 27
S 28	18 7 53	1° 3'40	27°29	0♋23	6°24	22°41	0°35	9°20	16°48	16° 9	19° 1	16°D48	15°58	18°54	n.a.	S 28
M29	18 11 49	2° 1'00	10♎44	2°28	6°15	23°18	0°34	9°15	16°50	16°11	19° 1	16°R48	15°55	19° 1	n.a.	M29
T 30	18 15 46	2♋58'20	23♎39	4♋33	6♊ 9	23♌55	0♏34	9♂11	16♈51	16♉13	19♍ 2	16♈48	15♈52	19♂ 7	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n27	1n12	1n37	13n 9	3s 9	22n56	0s23	20n 8	1n18	11s17	1n 6	23s27	0s11	5n49	0s34	14n59	1s42	20n22	17n24	7n31	6n55	27s53		n.a.
T 2	21 37	5s 4	0 28	13 36	2 59	22 40	0 37	19 58	1 17	11 15	1 5	23 27	0 11	5 49	0 34	15 0	1 42	20 21	17 23	7 31	6 53	27 52		n.a.
W 3	21 47	11 0	0s41	14 4	2 50	22 24	0 51	19 48	1 16	11 13	1 5	23 27	0 11	5 50	0 34	15 1	1 42	20 21	17 22	7 31	6 52	27 51		n.a.
T 4	21 56	16 24	1 47	14 34	2 39	22 7	1 5	19 38	1 15	11 12	1 5	23 28	0 11	5 51	0 34	15 1	1 42	20 20	17 22	7 30	6 51	27 50		n.a.
F 5	22 5	21 3	2 46	15 5	2 28	21 50	1 19	19 28	1 15	11 11	1 5	23 28	0 11	5 52	0 34	15 2	1 42	20 20	17 21	7 29	6 50	27 49		n.a.
S 6	22 14	24 44	3 37	15 37	2 17	21 33	1 33	19 18	1 14	11 9	1 4	23 28	0 12	5 53	0 34	15 2	1 42	20 19	17 21	7 26	6 48	27 48		n.a.
S 7	22 22	27 15	4 17	16 10	2 5	21 15	1 47	19 7	1 13	11 8	1 4	23 29	0 12	5 54	0 34	15 3	1 42	20 19	17 20	7 23	6 47	27 48		n.a.
M 8	22 30	28 29	4 46	16 43	1 53	20 57	2 1	18 57	1 12	11 7	1 4	23 29	0 12	5 55	0 34	15 4	1 42	20 18	17 20	7 19	6 46	27 47		n.a.
T 9	22 37	28 21	5 1	17 17	1 41	20 40	2 15	18 46	1 11	11 5	1 4	23 30	0 12	5 56	0 34	15 4	1 42	20 18	17 19	7 16	6 45	27 46		n.a.
W10	22 45	26 55	5 4	17 52	1 29	20 22	2 29	18 35	1 11	11 4	1 3	23 30	0 12	5 57	0 34	15 5	1 42	20 17	17 18	7 12	6 44	27 45		n.a.
T 11	22 51	24 17	4 53	18 27	1 16	20 4	2 42	18 24	1 10	11 3	1 3	23 30	0 12	5 57	0 34	15 5	1 42	20 16	17 18	7 9	6 42	27 44		n.a.
F 12	22 58	20 37	4 30	19 2	1 4	19 47	2 55	18 13	1 9	11 2	1 3	23 31	0 12	5 58	0 34	15 6	1 42	20 16	17 17	7 6	6 41	27 43		n.a.
S 13	23 4	16 6	3 55	19 36	0 51	19 30	3 8	18 2	1 8	11 1	1 3	23 31	0 12	5 59	0 34	15 7	1 42	20 15	17 17	7 5	6 40	27 42		n.a.
S 14	23 9	10 54	3 8	20 11	0 39	19 13	3 20	17 51	1 7	11 0	1 2	23 32	0 12	6 0	0 34	15 7	1 42	20 14	17 16	7 4	6 39	27 41		n.a.
M15	23 14	5 10	2 12	20 44	0 26	18 56	3 32	17 40	1 7	10 59	1 2	23 32	0 12	6 1	0 34	15 8	1 42	20 14	17 16	7 4	6 37	27 40		n.a.
T 16	23 19	0n54	1 9	21 17	0 14	18 40	3 44	17 28	1 6	10 59	1 2	23 32	0 13	6 1	0 34	15 8	1 42	20 13	17 15	7 4	6 36	27 40		n.a.
W17	23 23	7 8	0n 1	21 48	0 2	18 25	3 55	17 16	1 5	10 58	1 2	23 33	0 13	6 2	0 34	15 9	1 42	20 12	17 14	7 4	6 35	27 39		n.a.
T 18	23 27	13 15	1 12	22 18	0n 9	18 10	4 5	17 5	1 4	10 57	1 1	23 33	0 13	6 3	0 34	15 9	1 42	20 12	17 14	7 4	6 34	27 38		n.a.
F 19	23 31	18 56	2 22	22 47	0 20	17 56	4 15	16 53	1 3	10 57	1 1	23 34	0 13	6 3	0 34	15 10	1 42	20 11	17 13	7 3	6 32	27 37		n.a.
S 20	23 34	23 43	3 24	23 13	0 31	17 42	4 24	16 41	1 3	10 56	1 1	23 34	0 13	6 4	0 34	15 10	1 42	20 10	17 13	7 1	6 31	27 36		n.a.
S 21	23 36	27 4	4 15	23 37	0 41	17 30	4 33	16 29	1 2	10 55	1 0	23 34	0 13	6 5	0 34	15 11	1 42	20 9	17 12	6 58	6 30	27 35		n.a.
M22	23 39	28 32	4 48	23 59	0 50	17 18	4 41	16 16	1 1	10 55	1 0	23 35	0 13	6 5	0 34	15 11	1 42	20 9	17 12	6 54	6 29	27 34		n.a.
T 23	23 40	27 51	5 2	24 19	0 59	17 7	4 48	16 4	1 0	10 55	1 0	23 35	0 13	6 6	0 34	15 12	1 42	20 8	17 11	6 51	6 28	27 33		n.a.
W24	23 42	25 7	4 54	24 36	1 7	16 57	4 55	15 52	1 0	10 54	1 0	23 36	0 13	6 7	0 34	15 12	1 42	20 7	17 10	6 47	6 26	27 32		n.a.
T 25	23 43	20 43	4 26	24 50	1 15	16 48	5 1	15 39	0 59	10 54	0 59	23 36	0 13	6 7	0 34	15 13	1 42	20 6	17 10	6 44	6 25	27 31		n.a.
F 26	23 43	15 10	3 42	25 2	1 21	16 40	5 7	15 26	0 58	10 54	0 59	23 37	0 14	6 8	0 35	15 13	1 42	20 5	17 9	6 42	6 24	27 30		n.a.
S 27	23 44	8 59	2 45	25 10	1 27	16 33	5 12	15 13	0 57	10 54	0 59	23 37	0 14	6 8	0 35	15 14	1 43	20 5	17 9	6 41	6 23	27 29		n.a.
S 28	23 43	2 33	1 40	25 16	1 33	16 26	5 16	15 0	0 56	10 54	0 59	23 37	0 14	6 9	0 35	15 14	1 43	20 4	17 8	6 41	6 21	27 28		n.a.
M29	23 43	3s49	0 32	25 19	1 37	16 21	5 20	14 47	0 56	10 54	0 58	23 38	0 14	6 10	0 35	15 15	1 43	20 3	17 8	6 41	6 20	27 27		n.a.
T 30	23n42	9s51	0s36	25n20	1n41	16n17	5s24	14n34	0n55	10s54	0n58	23s38	0s14	6n10	0s35	15n15	1s43	20n 2	17n 7	6n41	6n19	27s26		n.a.

Julian Day Number = 1630992.5, Delta T = 03h41m55s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'18, Lahiri = - 7°22'17 Julian Calendar 1 June 248 BCE == Greg. Calendar 28 May 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

JULY 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 19 43	3♋55'40	6♏16	6♋37	6°R 5	24♌32	0°R33	9°R 6	16♈52	16♉14	19♍ 3	16°R46	15♈49	19♑14	n.a.	W 1
T 2	18 23 39	4°53'02	18°40	8°40	6°D 3	25°10	0°D33	9♑ 2	16°54	16°16	19° 4	16♈43	15°45	19°21	n.a.	T 2
F 3	18 27 36	5°50'24	0♐53	10°41	6♊ 4	25°47	0♏33	8°57	16°55	16°18	19° 5	16°36	15°42	19°27	n.a.	F 3
S 4	18 31 32	6°47'48	12°59	12°41	6° 7	26°25	0°34	8°53	16°56	16°19	19° 6	16°27	15°39	19°34	n.a.	S 4
S 5	18 35 29	7°45'12	24°59	14°40	6°12	27° 2	0°34	8°49	16°57	16°21	19° 7	16°16	15°36	19°41	n.a.	S 5
M 6	18 39 25	8°42'38	6♑55	16°37	6°20	27°40	0°35	8°44	16°58	16°22	19° 8	16° 3	15°33	19°48	n.a.	M 6
T 7	18 43 22	9°40'05	18°48	18°33	6°29	28°17	0°36	8°40	16°59	16°24	19°10	15°49	15°30	19°54	n.a.	T 7
W 8	18 47 19	10°37'32	0♒41	20°27	6°41	28°55	0°37	8°35	17° 0	16°25	19°11	15°36	15°26	20° 1	n.a.	W 8
T 9	18 51 15	11°35'02	12°33	22°20	6°55	29°33	0°38	8°31	17° 1	16°27	19°12	15°24	15°23	20° 8	n.a.	T 9
F 10	18 55 12	12°32'32	24°29	24°12	7°10	0♍11	0°39	8°26	17° 2	16°28	19°13	15°14	15°20	20°15	n.a.	F 10
S 11	18 59 8	13°30'04	6♓29	26° 2	7°28	0°49	0°41	8°22	17° 3	16°30	19°14	15° 8	15°17	20°21	n.a.	S 11
S 12	19 3 5	14°27'37	18°38	27°50	7°48	1°27	0°43	8°17	17° 4	16°31	19°16	15° 4	15°14	20°28	n.a.	S 12
M13	19 7 1	15°25'12	1♈ 0	29°37	8° 9	2° 5	0°45	8°13	17° 5	16°32	19°17	15° 2	15°10	20°35	n.a.	M13
T 14	19 10 58	16°22'49	13°39	1♌22	8°32	2°43	0°47	8° 9	17° 5	16°34	19°18	15° 2	15° 7	20°41	n.a.	T 14
W15	19 14 54	17°20'27	26°39	3° 6	8°57	3°22	0°49	8° 4	17° 6	16°35	19°20	15° 2	15° 4	20°48	n.a.	W15
T 16	19 18 51	18°18'07	10♉ 5	4°48	9°23	4° 0	0°51	8° 0	17° 7	16°36	19°21	15° 1	15° 1	20°55	n.a.	T 16
F 17	19 22 48	19°15'49	24° 0	6°29	9°51	4°38	0°54	7°55	17° 7	16°38	19°22	14°58	14°58	21° 2	n.a.	F 17
S 18	19 26 44	20°13'32	8♊24	8° 9	10°21	5°17	0°57	7°51	17° 8	16°39	19°24	14°52	14°55	21° 8	n.a.	S 18
S 19	19 30 41	21°11'17	23°13	9°47	10°52	5°56	1° 0	7°47	17° 8	16°40	19°25	14°44	14°51	21°15	n.a.	S 19
M20	19 34 37	22° 9'04	8♋23	11°23	11°24	6°34	1° 3	7°43	17° 8	16°41	19°27	14°34	14°48	21°22	n.a.	M20
T 21	19 38 34	23° 6'53	23°42	12°59	11°58	7°13	1° 6	7°38	17° 9	16°42	19°28	14°23	14°45	21°29	n.a.	T 21
W22	19 42 30	24° 4'43	8♌59	14°32	12°33	7°52	1°10	7°34	17° 9	16°43	19°30	14°13	14°42	21°35	n.a.	W22
T 23	19 46 27	25° 2'35	24° 3	16° 5	13° 9	8°31	1°14	7°30	17° 9	16°44	19°31	14° 4	14°39	21°42	n.a.	T 23
F 24	19 50 23	26° 0'28	8♍46	17°36	13°47	9°10	1°18	7°26	17°10	16°45	19°33	13°58	14°36	21°49	n.a.	F 24
S 25	19 54 20	26°58'22	23° 2	19° 5	14°25	9°49	1°22	7°22	17°10	16°46	19°35	13°54	14°32	21°55	n.a.	S 25
S 26	19 58 17	27°56'17	6♎49	20°33	15° 5	10°28	1°26	7°18	17°10	16°47	19°36	13°53	14°29	22° 2	n.a.	S 26
M27	20 2 13	28°54'14	20° 8	22° 0	15°46	11° 7	1°30	7°14	17°10	16°48	19°38	13°D53	14°26	22° 9	n.a.	M27
T 28	20 6 10	29°52'13	3♏ 3	23°25	16°28	11°46	1°35	7°10	17°R10	16°49	19°40	13°R53	14°23	22°16	n.a.	T 28
W29	20 10 6	0♌50'13	15°38	24°48	17°11	12°26	1°39	7° 6	17°10	16°50	19°41	13°52	14°20	22°22	n.a.	W29
T 30	20 14 3	1°48'14	27°56	26°11	17°54	13° 5	1°44	7° 2	17°10	16°51	19°43	13°49	14°16	22°29	n.a.	T 30
F 31	20 17 59	2♌46'17	10♐ 3	27♌31	18♊39	13♍45	1♏49	6♑58	17♈10	16♉52	19♍45	13♈44	14♈13	22♑36	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23n40	15s22	1s41	25n17	1n44	16n13	5s27	14n21	0n54	10s54	0n58	23s39	0s14	6n11	0s35	15n15	1s43	20n 1	17n 7	6n40	6n18	27s25			n.a.
T 2	23 38	20 9	2 40	25 12	1 46	16 10	5 29	14 8	0 53	10 54	0 57	23 39	0 14	6 11	0 35	15 16	1 43	20 0	17 6	6 39	6 16	27 24			n.a.
F 3	23 36	24 1	3 30	25 5	1 48	16 8	5 31	13 54	0 53	10 55	0 57	23 39	0 14	6 11	0 35	15 16	1 43	19 59	17 6	6 36	6 15	27 22			n.a.
S 4	23 33	26 46	4 11	24 55	1 49	16 7	5 33	13 40	0 52	10 55	0 57	23 40	0 14	6 12	0 35	15 17	1 43	19 59	17 5	6 33	6 14	27 21			n.a.
S 5	23 30	28 17	4 39	24 43	1 49	16 7	5 34	13 27	0 51	10 56	0 57	23 40	0 14	6 12	0 35	15 17	1 43	19 58	17 4	6 28	6 13	27 20			n.a.
M 6	23 26	28 28	4 56	24 28	1 48	16 8	5 35	13 13	0 50	10 56	0 56	23 41	0 14	6 13	0 35	15 18	1 43	19 57	17 4	6 23	6 11	27 19			n.a.
T 7	23 22	27 19	4 59	24 12	1 48	16 9	5 35	12 59	0 50	10 57	0 56	23 41	0 15	6 13	0 35	15 18	1 43	19 56	17 3	6 18	6 10	27 18			n.a.
W 8	23 18	24 57	4 49	23 54	1 46	16 11	5 35	12 45	0 49	10 57	0 56	23 41	0 15	6 13	0 35	15 18	1 43	19 55	17 3	6 13	6 9	27 17			n.a.
T 9	23 13	21 30	4 27	23 34	1 44	16 14	5 35	12 31	0 48	10 58	0 56	23 42	0 15	6 14	0 35	15 19	1 43	19 54	17 2	6 8	6 8	27 16			n.a.
F 10	23 8	17 10	3 53	23 12	1 41	16 17	5 34	12 17	0 47	10 59	0 55	23 42	0 15	6 14	0 35	15 19	1 43	19 53	17 2	6 4	6 6	27 15			n.a.
S 11	23 2	12 9	3 8	22 48	1 38	16 21	5 33	12 2	0 47	10 59	0 55	23 42	0 15	6 14	0 35	15 19	1 43	19 52	17 1	6 2	6 5	27 14			n.a.
S 12	22 56	6 36	2 15	22 24	1 35	16 25	5 32	11 48	0 46	11 0	0 55	23 43	0 15	6 15	0 35	15 20	1 43	19 51	17 1	6 0	6 4	27 13			n.a.
M13	22 49	0 43	1 13	21 57	1 31	16 30	5 30	11 33	0 45	11 1	0 54	23 43	0 15	6 15	0 35	15 20	1 43	19 50	17 0	6 0	6 3	27 11			n.a.
T 14	22 43	5n20	0 7	21 30	1 26	16 35	5 28	11 19	0 44	11 2	0 54	23 44	0 15	6 15	0 35	15 21	1 43	19 49	17 0	5 59	6 2	27 10			n.a.
W15	22 35	11 21	1n 1	21 1	1 22	16 41	5 26	11 4	0 44	11 3	0 54	23 44	0 15	6 15	0 35	15 21	1 43	19 48	16 59	5 59	6 0	27 9			n.a.
T 16	22 28	17 3	2 8	20 32	1 16	16 48	5 24	10 49	0 43	11 4	0 54	23 44	0 15	6 16	0 35	15 21	1 43	19 47	16 59	5 59	5 59	27 8			n.a.
F 17	22 19	22 4	3 10	20 1	1 11	16 54	5 21	10 34	0 42	11 6	0 53	23 45	0 15	6 16	0 35	15 21	1 43	19 46	16 58	5 58	5 58	27 7			n.a.
S 18	22 11	25 57	4 2	19 30	1 5	17 1	5 18	10 19	0 41	11 7	0 53	23 45	0 16	6 16	0 35	15 22	1 43	19 45	16 58	5 56	5 57	27 6			n.a.
S 19	22 2	28 12	4 40	18 58	0 59	17 9	5 15	10 4	0 41	11 8	0 53	23 45	0 16	6 16	0 35	15 22	1 43	19 44	16 57	5 52	5 55	27 4			n.a.
M20	21 53	28 26	4 59	18 25	0 52	17 16	5 12	9 49	0 40	11 9	0 53	23 46	0 16	6 16	0 35	15 22	1 43	19 43	16 57	5 48	5 54	27 3			n.a.
T 21	21 43	26 29	4 56	17 51	0 46	17 24	5 9	9 34	0 39	11 11	0 52	23 46	0 16	6 16	0 35	15 23	1 44	19 42	16 56	5 44	5 53	27 2			n.a.
W22	21 33	22 37	4 33	17 17	0 39	17 32	5 5	9 19	0 38	11 12	0 52	23 46	0 16	6 17	0 35	15 23	1 44	19 41	16 56	5 40	5 52	27 1			n.a.
T 23	21 23	17 17	3 51	16 42	0 31	17 40	5 1	9 3	0 38	11 14	0 52	23 47	0 16	6 17	0 35	15 23	1 44	19 40	16 56	5 37	5 50	27 0			n.a.
F 24	21 12	11 4	2 54	16 7	0 24	17 48	4 58	8 48	0 37	11 16	0 52	23 47	0 16	6 17	0 35	15 23	1 44	19 39	16 55	5 34	5 49	26 58			n.a.
S 25	21 1	4 27	1 48	15 32	0 16	17 57	4 54	8 32	0 36	11 17	0 51	23 47	0 16	6 17	0 35	15 24	1 44	19 38	16 55	5 33	5 48	26 57			n.a.
S 26	20 49	2s10	0 37	14 57	0 8	18 5	4 50	8 17	0 35	11 19	0 51	23 48	0 16	6 17	0 35	15 24	1 44	19 37	16 54	5 32	5 47	26 56			n.a.
M27	20 38	8 28	0s33	14 21	0 0	18 14	4 45	8 1	0 35	11 21	0 51	23 48	0 16	6 17	0 35	15 24	1 44	19 36	16 54	5 32	5 45	26 55			n.a.
T 28	20 25	14 14	1 40	13 45	0s 8	18 22	4 41	7 45	0 34	11 22	0 51	23 48	0 16	6 17	0 35	15 24	1 44	19 35	16 53	5 32	5 44	26 53			n.a.
W29	20 13	19 16	2 40	13 9	0 17	18 31	4 37	7 29	0 33	11 24	0 50	23 48	0 16	6 17	0 35	15 25	1 44	19 34	16 53	5 32	5 43	26 52			n.a.
T 30	20 0	23 22	3 31	12 33	0 25	18 39	4 32	7 13	0 32	11 26	0 50	23 49	0 17	6 17	0 35	15 25	1 44	19 33	16 53	5 31	5 42	26 51			n.a.
F 31	19n47	26s22	4s12	11n57	0s34	18n48	4s27	6n57	0n32	11s28	0n50	23s49	0s17	6n17	0s35	15n25	1s44	19n31	16n52	5n29	5n40	26s50			n.a.

Julian Day Number = 1631022.5, Delta T = 03h41m54s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'13, Lahiri = - 7°22'13 Julian Calendar 1 July 248 BCE == Greg. Calendar 27 June 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

AUGUST 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 21 56	3♌44'22	22♐ 2	28♌50	19♊25	14♍24	1♏54	6°R54	17°R 9	16♉53	19♍47	13°R36	14♈10	22♑43	n.a.	S 1
S 2	20 25 52	4°42'28	3♑57	0♍ 7	20°11	15° 4	2° 0	6♑51	17♈ 9	16°54	19°49	13♈25	14° 7	22°49	n.a.	S 2
M 3	20 29 49	5°40'36	15°50	1°23	20°59	15°43	2° 5	6°47	17° 9	16°54	19°50	13°14	14° 4	22°56	n.a.	M 3
T 4	20 33 46	6°38'45	27°43	2°37	21°47	16°23	2°11	6°43	17° 8	16°55	19°52	13° 1	14° 1	23° 3	n.a.	T 4
W 5	20 37 42	7°36'57	9♒37	3°49	22°36	17° 3	2°17	6°40	17° 8	16°56	19°54	12°49	13°57	23° 9	n.a.	W 5
T 6	20 41 39	8°35'10	21°34	4°59	23°26	17°43	2°23	6°37	17° 8	16°56	19°56	12°38	13°54	23°16	n.a.	T 6
F 7	20 45 35	9°33'25	3♓35	6° 7	24°16	18°23	2°29	6°33	17° 7	16°57	19°58	12°30	13°51	23°23	n.a.	F 7
S 8	20 49 32	10°31'42	15°43	7°12	25° 7	19° 3	2°35	6°30	17° 7	16°57	20° 0	12°24	13°48	23°30	n.a.	S 8
S 9	20 53 28	11°30'02	27°59	8°16	25°59	19°43	2°42	6°27	17° 6	16°58	20° 2	12°21	13°45	23°36	n.a.	S 9
M10	20 57 25	12°28'23	10♈26	9°17	26°52	20°23	2°48	6°23	17° 5	16°58	20° 4	12°D20	13°42	23°43	n.a.	M10
T 11	21 1 21	13°26'47	23° 8	10°16	27°45	21° 3	2°55	6°20	17° 5	16°59	20° 6	12°20	13°38	23°50	n.a.	T 11
W12	21 5 18	14°25'12	6♉ 8	11°12	28°39	21°44	3° 2	6°17	17° 4	16°59	20° 8	12°21	13°35	23°56	n.a.	W12
T 13	21 9 14	15°23'40	19°30	12° 5	29°33	22°24	3° 9	6°14	17° 3	17° 0	20°10	12°R21	13°32	24° 3	n.a.	T 13
F 14	21 13 11	16°22'11	3♊16	12°55	0♋28	23° 4	3°16	6°11	17° 2	17° 0	20°12	12°20	13°29	24°10	n.a.	F 14
S 15	21 17 8	17°20'44	17°28	13°42	1°24	23°45	3°23	6° 9	17° 1	17° 1	20°14	12°16	13°26	24°17	n.a.	S 15
S 16	21 21 4	18°19'19	2♋ 4	14°25	2°20	24°26	3°30	6° 6	17° 1	17° 1	20°16	12°11	13°22	24°23	n.a.	S 16
M17	21 25 1	19°17'57	16°59	15° 5	3°16	25° 6	3°38	6° 3	17° 0	17° 1	20°18	12° 4	13°19	24°30	n.a.	M17
T 18	21 28 57	20°16'36	2♌ 7	15°40	4°13	25°47	3°46	6° 1	16°59	17° 1	20°20	11°56	13°16	24°37	n.a.	T 18
W19	21 32 54	21°15'18	17°17	16°11	5°11	26°28	3°54	5°58	16°57	17° 2	20°23	11°48	13°13	24°44	n.a.	W19
T 20	21 36 50	22°14'02	2♍19	16°37	6° 9	27° 9	4° 1	5°56	16°56	17° 2	20°25	11°41	13°10	24°50	n.a.	T 20
F 21	21 40 47	23°12'48	17° 4	16°58	7° 7	27°50	4°10	5°53	16°55	17° 2	20°27	11°37	13° 7	24°57	n.a.	F 21
S 22	21 44 43	24°11'35	1♎25	17°13	8° 6	28°31	4°18	5°51	16°54	17° 2	20°29	11°35	13° 3	25° 4	n.a.	S 22
S 23	21 48 40	25°10'25	15°19	17°23	9° 6	29°12	4°26	5°49	16°53	17° 2	20°31	11°D34	13° 0	25°10	n.a.	S 23
M24	21 52 37	26° 9'16	28°45	17°R26	10° 6	29°53	4°35	5°47	16°51	17° 2	20°34	11°35	12°57	25°17	n.a.	M24
T 25	21 56 33	27° 8'10	11♏45	17°23	11° 6	0♎34	4°43	5°45	16°50	17°R 2	20°36	11°37	12°54	25°24	n.a.	T 25
W26	22 0 30	28° 7'05	24°22	17°13	12° 6	1°15	4°52	5°43	16°49	17° 2	20°38	11°R37	12°51	25°31	n.a.	W26
T 27	22 4 26	29° 6'02	6♐42	16°55	13° 7	1°57	5° 1	5°41	16°47	17° 2	20°40	11°37	12°47	25°37	n.a.	T 27
F 28	22 8 23	0♍ 5'01	18°48	16°30	14° 9	2°38	5°10	5°40	16°46	17° 2	20°43	11°35	12°44	25°44	n.a.	F 28
S 29	22 12 19	1° 4'02	0♑46	15°58	15°10	3°20	5°19	5°38	16°44	17° 2	20°45	11°31	12°41	25°51	n.a.	S 29
S 30	22 16 16	2° 3'05	12°39	15°18	16°13	4° 1	5°28	5°37	16°43	17° 2	20°47	11°26	12°38	25°57	n.a.	S 30
M31	22 20 12	3♍ 2'10	24♑31	14♍31	17♋15	4♎43	5♏37	5♑35	16♈41	17♉ 1	20♍50	11♈20	12♈35	26♑ 4	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n33	28s 9	4s41	11n21	0s43	18n56	4s23	6n41	0n31	11s30	0n50	23s49	0s17	6n16	0s35	15n25	1s44	19n30	16n52	5n26	5n39	26s48		n.a.
S 2	19 19	28 37	4 58	10 46	0 52	19 4	4 18	6 25	0 30	11 32	0 49	23 50	0 17	6 16	0 35	15 25	1 44	19 29	16 51	5 22	5 38	26 47		n.a.
M 3	19 5	27 46	5 1	10 10	1 1	19 13	4 13	6 9	0 29	11 35	0 49	23 50	0 17	6 16	0 35	15 25	1 44	19 28	16 51	5 17	5 37	26 46		n.a.
T 4	18 50	25 38	4 52	9 35	1 10	19 21	4 8	5 52	0 29	11 37	0 49	23 50	0 17	6 16	0 35	15 26	1 44	19 27	16 51	5 12	5 35	26 44		n.a.
W 5	18 35	22 23	4 30	9 1	1 19	19 28	4 3	5 36	0 28	11 39	0 49	23 50	0 17	6 16	0 35	15 26	1 44	19 26	16 50	5 7	5 34	26 43		n.a.
T 6	18 20	18 12	3 56	8 26	1 28	19 36	3 58	5 20	0 27	11 41	0 48	23 51	0 17	6 16	0 35	15 26	1 44	19 25	16 50	5 3	5 33	26 42		n.a.
F 7	18 4	13 16	3 11	7 53	1 37	19 44	3 53	5 3	0 27	11 44	0 48	23 51	0 17	6 15	0 35	15 26	1 44	19 24	16 50	5 0	5 32	26 40		n.a.
S 8	17 49	7 48	2 17	7 20	1 46	19 51	3 47	4 47	0 26	11 46	0 48	23 51	0 17	6 15	0 36	15 26	1 44	19 23	16 49	4 57	5 30	26 39		n.a.
S 9	17 32	1 58	1 16	6 47	1 55	19 58	3 42	4 30	0 25	11 49	0 48	23 51	0 17	6 15	0 36	15 26	1 44	19 22	16 49	4 56	5 29	26 38		n.a.
M10	17 16	4n 1	0 10	6 16	2 4	20 5	3 37	4 14	0 24	11 51	0 47	23 52	0 17	6 15	0 36	15 26	1 45	19 20	16 49	4 56	5 28	26 36		n.a.
T 11	16 59	9 59	0n58	5 45	2 13	20 11	3 32	3 57	0 24	11 54	0 47	23 52	0 17	6 14	0 36	15 26	1 45	19 19	16 48	4 56	5 27	26 35		n.a.
W12	16 42	15 40	2 4	5 16	2 22	20 17	3 26	3 40	0 23	11 56	0 47	23 52	0 17	6 14	0 36	15 26	1 45	19 18	16 48	4 56	5 25	26 34		n.a.
T 13	16 25	20 47	3 5	4 47	2 31	20 23	3 21	3 23	0 22	11 59	0 47	23 52	0 18	6 14	0 36	15 27	1 45	19 17	16 48	4 56	5 24	26 32		n.a.
F 14	16 7	24 57	3 58	4 20	2 40	20 28	3 15	3 7	0 21	12 1	0 46	23 52	0 18	6 13	0 36	15 27	1 45	19 16	16 47	4 56	5 23	26 31		n.a.
S 15	15 49	27 44	4 38	3 54	2 48	20 33	3 10	2 50	0 21	12 4	0 46	23 53	0 18	6 13	0 36	15 27	1 45	19 15	16 47	4 54	5 22	26 29		n.a.
S 16	15 31	28 44	5 1	3 30	2 56	20 38	3 4	2 33	0 20	12 7	0 46	23 53	0 18	6 13	0 36	15 27	1 45	19 14	16 47	4 52	5 20	26 28		n.a.
M17	15 13	27 40	5 5	3 7	3 4	20 42	2 59	2 16	0 19	12 10	0 46	23 53	0 18	6 12	0 36	15 27	1 45	19 13	16 46	4 49	5 19	26 27		n.a.
T 18	14 54	24 35	4 47	2 46	3 12	20 46	2 53	1 59	0 19	12 13	0 46	23 53	0 18	6 12	0 36	15 27	1 45	19 12	16 46	4 46	5 18	26 25		n.a.
W19	14 35	19 48	4 10	2 28	3 19	20 50	2 48	1 42	0 18	12 15	0 45	23 53	0 18	6 11	0 36	15 27	1 45	19 11	16 46	4 43	5 17	26 24		n.a.
T 20	14 16	13 48	3 15	2 12	3 26	20 53	2 42	1 25	0 17	12 18	0 45	23 54	0 18	6 11	0 36	15 27	1 45	19 9	16 46	4 41	5 15	26 22		n.a.
F 21	13 57	7 8	2 8	1 58	3 32	20 55	2 37	1 7	0 16	12 21	0 45	23 54	0 18	6 11	0 36	15 27	1 45	19 8	16 45	4 39	5 14	26 21		n.a.
S 22	13 37	0 16	0 54	1 47	3 37	20 58	2 31	0 50	0 16	12 24	0 45	23 54	0 18	6 10	0 36	15 27	1 45	19 7	16 45	4 38	5 13	26 19		n.a.
S 23	13 17	6s25	0s20	1 38	3 42	20 59	2 26	0 33	0 15	12 27	0 44	23 54	0 18	6 10	0 36	15 27	1 45	19 6	16 45	4 38	5 12	26 18		n.a.
M24	12 57	12 35	1 31	1 34	3 46	21 1	2 20	0 16	0 14	12 30	0 44	23 54	0 18	6 9	0 36	15 27	1 45	19 5	16 45	4 38	5 10	26 16		n.a.
T 25	12 37	18 0	2 36	1 32	3 49	21 1	2 15	0s 1	0 14	12 34	0 44	23 54	0 18	6 9	0 36	15 27	1 45	19 4	16 44	4 39	5 9	26 15		n.a.
W26	12 16	22 29	3 31	1 35	3 50	21 2	2 9	0 19	0 13	12 37	0 44	23 55	0 18	6 8	0 36	15 27	1 45	19 3	16 44	4 39	5 8	26 13		n.a.
T 27	11 56	25 52	4 14	1 41	3 51	21 1	2 4	0 36	0 12	12 40	0 44	23 55	0 18	6 7	0 36	15 26	1 45	19 2	16 44	4 39	5 7	26 12		n.a.
F 28	11 35	27 59	4 46	1 52	3 50	21 1	1 58	0 53	0 11	12 43	0 43	23 55	0 19	6 7	0 36	15 26	1 45	19 1	16 44	4 38	5 5	26 10		n.a.
S 29	11 14	28 48	5 4	2 7	3 47	20 59	1 53	1 11	0 11	12 46	0 43	23 55	0 19	6 6	0 36	15 26	1 46	19 0	16 44	4 37	5 4	26 9		n.a.
S 30	10 52	28 15	5 9	2 26	3 43	20 57	1 47	1 28	0 10	12 50	0 43	23 55	0 19	6 6	0 36	15 26	1 46	18 58	16 43	4 35	5 3	26 7		n.a.
M31	10n31	26s25	5s 1	2n50	3s37	20n55	1s42	1s45	0n 9	12s53	0n43	23s55	0s19	6n 5	0s36	15n26	1s46	18n57	16n43	4n32	5n 2	26s 6		n.a.

Julian Day Number = 1631053.5, Delta T = 03h41m53s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'09, Lahiri = - 7°22'09 Julian Calendar 1 Aug. 248 BCE == Greg. Calendar 28 July 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

SEPTEMBER 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 24 9	4♍ 1'17	6♒25	13°R37	18♋18	5♎25	5♏47	5°R34	16°R40	17°R 1	20♍52	11°R13	12♈32	26♑11	n.a.	T 1
W 2	22 28 6	5° 0'25	18°23	12♍37	19°21	6° 6	5°56	5♑33	16♈38	17♉ 1	20°54	11♈ 6	12°28	26°18	n.a.	W 2
T 3	22 32 2	5°59'36	0♓28	11°33	20°24	6°48	6° 6	5°32	16°36	17° 1	20°57	11° 0	12°25	26°24	n.a.	T 3
F 4	22 35 59	6°58'49	12°39	10°25	21°28	7°30	6°16	5°31	16°35	17° 0	20°59	10°55	12°22	26°31	n.a.	F 4
S 5	22 39 55	7°58'04	25° 0	9°15	22°32	8°12	6°25	5°30	16°33	17° 0	21° 1	10°52	12°19	26°38	n.a.	S 5
S 6	22 43 52	8°57'21	7♈30	8° 5	23°36	8°54	6°35	5°29	16°31	17° 0	21° 4	10°D51	12°16	26°44	n.a.	S 6
M 7	22 47 48	9°56'41	20°12	6°57	24°41	9°36	6°45	5°28	16°29	16°59	21° 6	10°51	12°13	26°51	n.a.	M 7
T 8	22 51 45	10°56'03	3♉ 7	5°52	25°46	10°18	6°56	5°27	16°27	16°59	21° 8	10°53	12° 9	26°58	n.a.	T 8
W 9	22 55 41	11°55'27	16°16	4°53	26°51	11° 0	7° 6	5°27	16°25	16°58	21°11	10°54	12° 6	27° 5	n.a.	W 9
T 10	22 59 38	12°54'54	29°42	4° 2	27°57	11°43	7°16	5°26	16°24	16°58	21°13	10°56	12° 3	27°11	n.a.	T 10
F 11	23 3 35	13°54'23	13♊25	3°19	29° 2	12°25	7°27	5°26	16°22	16°57	21°15	10°R56	12° 0	27°18	n.a.	F 11
S 12	23 7 31	14°53'55	27°27	2°45	0♌ 8	13° 7	7°37	5°26	16°20	16°57	21°18	10°56	11°57	27°25	n.a.	S 12
S 13	23 11 28	15°53'30	11♋47	2°23	1°14	13°50	7°48	5°26	16°18	16°56	21°20	10°54	11°53	27°32	n.a.	S 13
M14	23 15 24	16°53'06	26°21	2°11	2°21	14°33	7°59	5°D26	16°15	16°55	21°23	10°51	11°50	27°38	n.a.	M14
T 15	23 19 21	17°52'45	11♌ 5	2°D10	3°28	15°15	8°10	5°26	16°13	16°55	21°25	10°48	11°47	27°45	n.a.	T 15
W16	23 23 17	18°52'27	25°53	2°20	4°35	15°58	8°20	5°26	16°11	16°54	21°27	10°45	11°44	27°52	n.a.	W16
T 17	23 27 14	19°52'10	10♍37	2°41	5°42	16°41	8°31	5°26	16° 9	16°53	21°30	10°42	11°41	27°58	n.a.	T 17
F 18	23 31 10	20°51'56	25° 9	3°11	6°49	17°23	8°43	5°27	16° 7	16°52	21°32	10°41	11°38	28° 5	n.a.	F 18
S 19	23 35 7	21°51'43	9♎23	3°51	7°57	18° 6	8°54	5°27	16° 5	16°52	21°35	10°D40	11°34	28°12	n.a.	S 19
S 20	23 39 3	22°51'33	23°16	4°40	9° 5	18°49	9° 5	5°28	16° 3	16°51	21°37	10°41	11°31	28°19	n.a.	S 20
M21	23 43 0	23°51'24	6♏44	5°36	10°13	19°32	9°16	5°28	16° 0	16°50	21°39	10°42	11°28	28°25	n.a.	M21
T 22	23 46 57	24°51'18	19°48	6°38	11°21	20°15	9°28	5°29	15°58	16°49	21°42	10°43	11°25	28°32	n.a.	T 22
W23	23 50 53	25°51'13	2♐30	7°47	12°29	20°58	9°39	5°30	15°56	16°48	21°44	10°44	11°22	28°39	n.a.	W23
T 24	23 54 50	26°51'11	14°53	9° 1	13°38	21°42	9°51	5°31	15°53	16°47	21°47	10°45	11°19	28°45	n.a.	T 24
F 25	23 58 46	27°51'10	27° 2	10°20	14°46	22°25	10° 3	5°32	15°51	16°46	21°49	10°R45	11°15	28°52	n.a.	F 25
S 26	0 2 43	28°51'10	9♑ 1	11°42	15°55	23° 8	10°14	5°33	15°49	16°45	21°52	10°45	11°12	28°59	n.a.	S 26
S 27	0 6 39	29°51'13	20°54	13° 7	17° 5	23°52	10°26	5°35	15°46	16°44	21°54	10°44	11° 9	29° 6	n.a.	S 27
M28	0 10 36	0♎51'17	2♒46	14°36	18°14	24°35	10°38	5°36	15°44	16°43	21°56	10°43	11° 6	29°12	n.a.	M28
T 29	0 14 32	1°51'23	14°42	16° 6	19°23	25°19	10°50	5°38	15°42	16°42	21°59	10°42	11° 3	29°19	n.a.	T 29
W30	0 18 29	2♎51'31	26♒44	17♍39	20♌33	26♎ 2	11♏ 2	5♑39	15♈39	16♉41	22♍ 1	10♈41	10♈59	29♑26	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n 9	23s25	4s40	3n18	3s29	20n52	1s36	2s 3	0n 9	12s56	0n43	23s55	0s19	6n 4	0s36	15n26	1s46	18n56	16n43	4n29	5n 0	26s 4		n.a.
W 2	9 47	19 24	4 7	3 50	3 19	20 49	1 31	2 20	0 8	13 0	0 42	23 55	0 19	6 4	0 36	15 26	1 46	18 55	16 43	4 26	4 59	26 3		n.a.
T 3	9 25	14 35	3 22	4 26	3 7	20 45	1 26	2 37	0 7	13 3	0 42	23 55	0 19	6 3	0 36	15 26	1 46	18 54	16 43	4 24	4 58	26 1		n.a.
F 4	9 3	9 9	2 28	5 5	2 53	20 40	1 20	2 55	0 6	13 6	0 42	23 56	0 19	6 2	0 36	15 26	1 46	18 53	16 43	4 22	4 57	26 0		n.a.
S 5	8 41	3 19	1 26	5 46	2 38	20 35	1 15	3 12	0 6	13 10	0 42	23 56	0 19	6 2	0 36	15 25	1 46	18 52	16 43	4 21	4 55	25 58		n.a.
S 6	8 18	2n44	0 18	6 28	2 21	20 29	1 10	3 29	0 5	13 13	0 42	23 56	0 19	6 1	0 36	15 25	1 46	18 51	16 42	4 21	4 54	25 57		n.a.
M 7	7 56	8 46	0n51	7 11	2 2	20 23	1 5	3 47	0 4	13 17	0 41	23 56	0 19	6 0	0 36	15 25	1 46	18 50	16 42	4 21	4 53	25 55		n.a.
T 8	7 33	14 33	1 59	7 53	1 42	20 16	0 59	4 4	0 4	13 20	0 41	23 56	0 19	5 59	0 36	15 25	1 46	18 49	16 42	4 21	4 52	25 54		n.a.
W 9	7 10	19 48	3 2	8 33	1 22	20 9	0 54	4 22	0 3	13 24	0 41	23 56	0 19	5 59	0 36	15 25	1 46	18 48	16 42	4 22	4 50	25 52		n.a.
T 10	6 47	24 10	3 56	9 11	1 2	20 1	0 49	4 39	0 2	13 28	0 41	23 56	0 19	5 58	0 36	15 25	1 46	18 47	16 42	4 22	4 49	25 50		n.a.
F 11	6 24	27 17	4 39	9 46	0 42	19 53	0 44	4 56	0 2	13 31	0 41	23 56	0 19	5 57	0 36	15 24	1 46	18 46	16 42	4 23	4 48	25 49		n.a.
S 12	6 1	28 47	5 5	10 16	0 22	19 44	0 39	5 14	0 1	13 35	0 41	23 56	0 19	5 56	0 36	15 24	1 46	18 45	16 42	4 23	4 47	25 47		n.a.
S 13	5 38	28 24	5 14	10 42	0 3	19 34	0 34	5 31	0 0	13 39	0 40	23 56	0 19	5 56	0 36	15 24	1 46	18 44	16 42	4 22	4 45	25 46		n.a.
M14	5 14	26 5	5 3	11 3	0n15	19 24	0 30	5 48	0s 0	13 42	0 40	23 56	0 19	5 55	0 36	15 24	1 46	18 43	16 42	4 21	4 44	25 44		n.a.
T 15	4 51	22 0	4 31	11 19	0 32	19 13	0 25	6 6	0 1	13 46	0 40	23 56	0 20	5 54	0 36	15 23	1 46	18 42	16 42	4 20	4 43	25 42		n.a.
W16	4 27	16 31	3 42	11 30	0 47	19 2	0 20	6 23	0 2	13 50	0 40	23 56	0 20	5 53	0 36	15 23	1 46	18 41	16 42	4 18	4 42	25 41		n.a.
T 17	4 4	10 7	2 38	11 35	1 1	18 50	0 15	6 40	0 3	13 53	0 40	23 56	0 20	5 52	0 36	15 23	1 46	18 40	16 42	4 17	4 40	25 39		n.a.
F 18	3 40	3 15	1 25	11 36	1 13	18 37	0 11	6 57	0 3	13 57	0 40	23 57	0 20	5 51	0 36	15 23	1 47	18 39	16 42	4 17	4 39	25 37		n.a.
S 19	3 16	3s39	0 7	11 31	1 24	18 24	0 6	7 15	0 4	14 1	0 39	23 57	0 20	5 51	0 36	15 22	1 47	18 38	16 42	4 16	4 38	25 36		n.a.
S 20	2 52	10 12	1s 9	11 22	1 34	18 11	0 2	7 32	0 5	14 5	0 39	23 57	0 20	5 50	0 36	15 22	1 47	18 37	16 42	4 17	4 37	25 34		n.a.
M21	2 28	16 6	2 19	11 9	1 42	17 56	0n 3	7 49	0 5	14 9	0 39	23 57	0 20	5 49	0 36	15 22	1 47	18 36	16 42	4 17	4 35	25 32		n.a.
T 22	2 4	21 6	3 20	10 51	1 48	17 42	0 7	8 6	0 6	14 12	0 39	23 57	0 20	5 48	0 36	15 22	1 47	18 35	16 42	4 17	4 34	25 31		n.a.
W23	1 40	24 58	4 9	10 30	1 54	17 27	0 11	8 23	0 7	14 16	0 39	23 57	0 20	5 47	0 36	15 21	1 47	18 34	16 42	4 18	4 33	25 29		n.a.
T 24	1 16	27 34	4 45	10 6	1 58	17 11	0 16	8 40	0 7	14 20	0 39	23 57	0 20	5 46	0 36	15 21	1 47	18 33	16 42	4 18	4 32	25 27		n.a.
F 25	0 52	28 49	5 7	9 39	2 1	16 55	0 20	8 57	0 8	14 24	0 38	23 57	0 20	5 45	0 36	15 21	1 47	18 32	16 42	4 18	4 30	25 26		n.a.
S 26	0 28	28 40	5 16	9 9	2 3	16 38	0 24	9 14	0 9	14 28	0 38	23 57	0 20	5 44	0 36	15 20	1 47	18 31	16 42	4 18	4 29	25 24		n.a.
S 27	0 4	27 12	5 11	8 37	2 4	16 21	0 28	9 31	0 9	14 32	0 38	23 57	0 20	5 43	0 36	15 20	1 47	18 30	16 42	4 18	4 28	25 22		n.a.
M28	0s21	24 32	4 53	8 3	2 4	16 3	0 32	9 48	0 10	14 36	0 38	23 57	0 20	5 43	0 36	15 20	1 47	18 30	16 42	4 18	4 27	25 21		n.a.
T 29	0 45	20 48	4 22	7 26	2 4	15 45	0 35	10 4	0 11	14 40	0 38	23 57	0 20	5 42	0 36	15 19	1 47	18 29	16 42	4 17	4 25	25 19		n.a.
W30	1s 9	16s11	3s40	6n49	2n 2	15n26	0n39	10s21	0s11	14s43	0n38	23s57	0s20	5n41	0s36	15n19	1s47	18n28	16n42	4n17	4n24	25s17		n.a.

Julian Day Number = 1631084.5, Delta T = 03h41m52s
Ecliptic obliquity = 23°43'40, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'05, Lahiri = - 7°22'05 Julian Calendar 1 Sept. 248 BCE == Greg. Calendar 28 Aug. 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

OCTOBER 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 22 26	3♎51'40	8♓55	19♍13	21♌43	26♎46	11♏14	5♑41	15°R37	16°R40	22♍ 3	10°R40	10♈56	29♑32	n.a.	T 1
F 2	0 26 22	4°51'51	21°19	20°48	22°53	27°30	11°26	5°43	15♈34	16♉39	22° 6	10♈39	10°53	29°39	n.a.	F 2
S 3	0 30 19	5°52'04	3♈55	22°24	24° 3	28°13	11°39	5°45	15°32	16°37	22° 8	10°39	10°50	29°46	n.a.	S 3
S 4	0 34 15	6°52'19	16°45	24° 0	25°13	28°57	11°51	5°47	15°29	16°36	22°10	10°D39	10°47	29°53	n.a.	S 4
M 5	0 38 12	7°52'36	29°49	25°38	26°23	29°41	12° 3	5°49	15°27	16°35	22°13	10°39	10°44	29°59	n.a.	M 5
T 6	0 42 8	8°52'54	13♉ 7	27°15	27°34	0♏25	12°16	5°51	15°25	16°34	22°15	10°39	10°40	0♒ 6	n.a.	T 6
W 7	0 46 5	9°53'15	26°37	28°53	28°45	1° 9	12°28	5°53	15°22	16°32	22°17	10°39	10°37	0°13	n.a.	W 7
T 8	0 50 1	10°53'38	10♊19	0♎31	29°55	1°53	12°41	5°56	15°20	16°31	22°20	10°R39	10°34	0°19	n.a.	T 8
F 9	0 53 58	11°54'03	24°11	2° 9	1♍ 6	2°37	12°53	5°58	15°17	16°30	22°22	10°39	10°31	0°26	n.a.	F 9
S 10	0 57 55	12°54'31	8♋14	3°47	2°17	3°21	13° 6	6° 1	15°15	16°28	22°24	10°D39	10°28	0°33	n.a.	S 10
S 11	1 1 51	13°55'00	22°24	5°24	3°29	4° 5	13°19	6° 3	15°12	16°27	22°27	10°39	10°24	0°40	n.a.	S 11
M12	1 5 48	14°55'31	6♌40	7° 2	4°40	4°50	13°32	6° 6	15°10	16°26	22°29	10°39	10°21	0°46	n.a.	M12
T 13	1 9 44	15°56'04	20°59	8°40	5°51	5°34	13°44	6° 9	15° 7	16°24	22°31	10°40	10°18	0°53	n.a.	T 13
W14	1 13 41	16°56'39	5♍18	10°17	7° 3	6°19	13°57	6°12	15° 5	16°23	22°33	10°40	10°15	1° 0	n.a.	W14
T 15	1 17 37	17°57'16	19°33	11°54	8°15	7° 3	14°10	6°15	15° 2	16°21	22°36	10°41	10°12	1° 6	n.a.	T 15
F 16	1 21 34	18°57'54	3♎40	13°31	9°27	7°48	14°23	6°18	15° 0	16°20	22°38	10°R41	10° 9	1°13	n.a.	F 16
S 17	1 25 30	19°58'35	17°34	15° 7	10°39	8°32	14°36	6°21	14°57	16°18	22°40	10°41	10° 5	1°20	n.a.	S 17
S 18	1 29 27	20°59'17	1♏13	16°44	11°51	9°17	14°49	6°25	14°55	16°17	22°42	10°41	10° 2	1°27	n.a.	S 18
M19	1 33 24	22° 0'00	14°33	18°20	13° 3	10° 2	15° 2	6°28	14°52	16°15	22°45	10°40	9°59	1°33	n.a.	M19
T 20	1 37 20	23° 0'45	27°35	19°56	14°15	10°46	15°15	6°32	14°50	16°14	22°47	10°38	9°56	1°40	n.a.	T 20
W21	1 41 17	24° 1'31	10♐17	21°31	15°27	11°31	15°29	6°35	14°47	16°12	22°49	10°36	9°53	1°47	n.a.	W21
T 22	1 45 13	25° 2'18	22°42	23° 7	16°40	12°16	15°42	6°39	14°45	16°11	22°51	10°34	9°50	1°53	n.a.	T 22
F 23	1 49 10	26° 3'07	4♑53	24°42	17°52	13° 1	15°55	6°43	14°42	16° 9	22°53	10°32	9°46	2° 0	n.a.	F 23
S 24	1 53 6	27° 3'57	16°53	26°17	19° 5	13°46	16° 8	6°46	14°40	16° 8	22°55	10°31	9°43	2° 7	n.a.	S 24
S 25	1 57 3	28° 4'48	28°46	27°52	20°17	14°31	16°22	6°50	14°38	16° 6	22°57	10°D31	9°40	2°14	n.a.	S 25
M26	2 0 59	29° 5'40	10♒38	29°27	21°30	15°16	16°35	6°54	14°35	16° 4	22°59	10°31	9°37	2°20	n.a.	M26
T 27	2 4 56	0♏ 6'33	22°33	1♏ 1	22°43	16° 1	16°48	6°58	14°33	16° 3	23° 1	10°33	9°34	2°27	n.a.	T 27
W28	2 8 53	1° 7'27	4♓36	2°36	23°56	16°46	17° 2	7° 3	14°30	16° 1	23° 3	10°34	9°30	2°34	n.a.	W28
T 29	2 12 49	2° 8'22	16°52	4°10	25° 9	17°31	17°15	7° 7	14°28	16° 0	23° 5	10°36	9°27	2°40	n.a.	T 29
F 30	2 16 46	3° 9'17	29°23	5°44	26°22	18°17	17°29	7°11	14°26	15°58	23° 7	10°37	9°24	2°47	n.a.	F 30
S 31	2 20 42	4♏10'14	12♈12	7♏18	27♍35	19♏ 2	17♏42	7♑16	14♈23	15♉56	23♍ 9	10°R38	9♈21	2♒54	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	1s33	10s53	2s47	6n10	2n 0	15n 7	0n43	10s38	0s12	14s47	0n37	23s57	0s20	5n40	0s36	15n19	1s47	18n27	16n43	4n16	4n23	25s15			n.a.
F 2	1 57	5 5	1 45	5 30	1 58	14 47	0 46	10 54	0 13	14 51	0 37	23 57	0 20	5 39	0 36	15 18	1 47	18 26	16 43	4 16	4 21	25 14			n.a.
S 3	2 21	1n 0	0 37	4 48	1 55	14 27	0 50	11 11	0 13	14 55	0 37	23 56	0 20	5 38	0 36	15 18	1 47	18 25	16 43	4 16	4 20	25 12			n.a.
S 4	2 46	7 11	0n34	4 6	1 51	14 6	0 53	11 27	0 14	14 59	0 37	23 56	0 20	5 37	0 36	15 17	1 47	18 24	16 43	4 16	4 19	25 10			n.a.
M 5	3 10	13 10	1 44	3 24	1 47	13 45	0 57	11 43	0 15	15 3	0 37	23 56	0 21	5 36	0 36	15 17	1 47	18 24	16 43	4 16	4 18	25 8			n.a.
T 6	3 34	18 40	2 50	2 41	1 43	13 24	1 0	12 0	0 15	15 7	0 37	23 56	0 21	5 35	0 36	15 17	1 47	18 23	16 43	4 16	4 16	25 7			n.a.
W 7	3 58	23 20	3 48	1 57	1 38	13 2	1 3	12 16	0 16	15 11	0 37	23 56	0 21	5 34	0 36	15 16	1 47	18 22	16 43	4 16	4 15	25 5			n.a.
T 8	4 22	26 47	4 34	1 13	1 33	12 40	1 6	12 32	0 17	15 15	0 36	23 56	0 21	5 33	0 36	15 16	1 47	18 21	16 44	4 16	4 14	25 3			n.a.
F 9	4 46	28 40	5 4	0 29	1 28	12 17	1 9	12 48	0 17	15 19	0 36	23 56	0 21	5 32	0 36	15 15	1 47	18 21	16 44	4 16	4 13	25 1			n.a.
S 10	5 9	28 44	5 17	0s16	1 22	11 54	1 12	13 4	0 18	15 23	0 36	23 56	0 21	5 31	0 36	15 15	1 47	18 20	16 44	4 16	4 11	24 59			n.a.
S 11	5 33	26 56	5 10	1 0	1 17	11 30	1 15	13 20	0 19	15 27	0 36	23 56	0 21	5 30	0 36	15 15	1 47	18 19	16 44	4 16	4 10	24 58			n.a.
M12	5 57	23 25	4 45	1 45	1 11	11 7	1 17	13 35	0 19	15 31	0 36	23 56	0 21	5 29	0 36	15 14	1 47	18 18	16 44	4 16	4 9	24 56			n.a.
T 13	6 21	18 29	4 2	2 29	1 5	10 42	1 20	13 51	0 20	15 35	0 36	23 56	0 21	5 28	0 36	15 14	1 47	18 18	16 45	4 16	4 8	24 54			n.a.
W14	6 44	12 31	3 4	3 13	0 59	10 18	1 22	14 6	0 20	15 39	0 36	23 56	0 21	5 27	0 36	15 13	1 47	18 17	16 45	4 16	4 6	24 52			n.a.
T 15	7 8	5 56	1 55	3 58	0 52	9 53	1 25	14 22	0 21	15 43	0 35	23 56	0 21	5 26	0 36	15 13	1 48	18 16	16 45	4 17	4 5	24 50			n.a.
F 16	7 31	0s53	0 39	4 42	0 46	9 28	1 27	14 37	0 22	15 47	0 35	23 56	0 21	5 25	0 36	15 12	1 48	18 16	16 45	4 17	4 4	24 48			n.a.
S 17	7 54	7 34	0s38	5 25	0 39	9 2	1 29	14 52	0 22	15 51	0 35	23 55	0 21	5 24	0 36	15 12	1 48	18 15	16 46	4 17	4 3	24 47			n.a.
S 18	8 17	13 46	1 51	6 9	0 33	8 37	1 31	15 7	0 23	15 55	0 35	23 55	0 21	5 23	0 36	15 12	1 48	18 14	16 46	4 17	4 1	24 45			n.a.
M19	8 40	19 12	2 57	6 52	0 26	8 10	1 33	15 22	0 24	15 59	0 35	23 55	0 21	5 22	0 36	15 11	1 48	18 14	16 46	4 16	4 0	24 43			n.a.
T 20	9 3	23 36	3 51	7 35	0 20	7 44	1 35	15 37	0 24	16 3	0 35	23 55	0 21	5 21	0 36	15 11	1 48	18 13	16 46	4 16	3 59	24 41			n.a.
W21	9 26	26 45	4 33	8 17	0 13	7 17	1 37	15 52	0 25	16 7	0 35	23 55	0 21	5 21	0 36	15 10	1 48	18 12	16 47	4 15	3 58	24 39			n.a.
T 22	9 48	28 32	5 1	8 59	0 7	6 51	1 39	16 6	0 25	16 11	0 35	23 55	0 21	5 20	0 36	15 10	1 48	18 12	16 47	4 14	3 56	24 37			n.a.
F 23	10 11	28 52	5 14	9 41	0s 0	6 23	1 41	16 21	0 26	16 15	0 34	23 55	0 21	5 19	0 36	15 9	1 48	18 11	16 47	4 13	3 55	24 35			n.a.
S 24	10 33	27 50	5 14	10 22	0 7	5 56	1 42	16 35	0 27	16 19	0 34	23 55	0 21	5 18	0 36	15 9	1 48	18 11	16 48	4 13	3 54	24 33			n.a.
S 25	10 55	25 32	5 0	11 3	0 13	5 28	1 44	16 49	0 27	16 23	0 34	23 54	0 21	5 17	0 36	15 8	1 48	18 10	16 48	4 13	3 52	24 32			n.a.
M26	11 17	22 9	4 33	11 43	0 20	5 1	1 45	17 3	0 28	16 27	0 34	23 54	0 22	5 16	0 36	15 8	1 48	18 10	16 48	4 13	3 51	24 30			n.a.
T 27	11 39	17 51	3 55	12 23	0 26	4 33	1 46	17 17	0 29	16 31	0 34	23 54	0 22	5 15	0 36	15 7	1 48	18 9	16 49	4 13	3 50	24 28			n.a.
W28	12 0	12 49	3 6	13 2	0 32	4 5	1 47	17 31	0 29	16 35	0 34	23 54	0 22	5 14	0 36	15 7	1 48	18 9	16 49	4 14	3 49	24 26			n.a.
T 29	12 22	7 12	2 7	13 40	0 39	3 36	1 48	17 44	0 30	16 39	0 34	23 54	0 22	5 13	0 36	15 6	1 48	18 8	16 49	4 15	3 47	24 24			n.a.
F 30	12 43	1 11	1 2	14 18	0 45	3 8	1 49	17 58	0 30	16 43	0 34	23 53	0 22	5 12	0 36	15 6	1 48	18 8	16 50	4 15	3 46	24 22			n.a.
S 31	13s 4	5n 0	0n 9	14s55	0s51	2n39	1n50	18s11	0s31	16s47	0n34	23s53	0s22	5n11	0s36	15n 5	1s48	18n 7	16n50	4n15	3n45	24s20			n.a.

Julian Day Number = 1631114.5, Delta T = 03h41m51s
Ecliptic obliquity = 23°43'40, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°29'01, Lahiri = - 7°22'00 Julian Calendar 1 Oct. 248 BCE == Greg. Calendar 27 Sept. 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

NOVEMBER 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 24 39	5♏11'12	25♈20	8♏53	28♍48	19♏47	17♏56	7♑20	14°R21	15°R55	23♍11	10°R37	9♈18	3♒ 1	n.a.	S 1
M 2	2 28 35	6°12'11	8♉48	10°27	0♎ 2	20°33	18° 9	7°25	14♈19	15♉53	23°13	10♈35	9°15	3° 7	n.a.	M 2
T 3	2 32 32	7°13'11	22°33	12° 0	1°15	21°18	18°23	7°29	14°17	15°51	23°15	10°31	9°11	3°14	n.a.	T 3
W 4	2 36 28	8°14'13	6♊32	13°34	2°28	22° 4	18°36	7°34	14°14	15°50	23°17	10°27	9° 8	3°21	n.a.	W 4
T 5	2 40 25	9°15'15	20°42	15° 8	3°42	22°49	18°50	7°39	14°12	15°48	23°19	10°23	9° 5	3°27	n.a.	T 5
F 6	2 44 22	10°16'19	4♋57	16°42	4°55	23°35	19° 4	7°44	14°10	15°46	23°20	10°19	9° 2	3°34	n.a.	F 6
S 7	2 48 18	11°17'24	19°13	18°16	6° 9	24°21	19°17	7°49	14° 8	15°44	23°22	10°16	8°59	3°41	n.a.	S 7
S 8	2 52 15	12°18'30	3♌27	19°50	7°23	25° 6	19°31	7°54	14° 6	15°43	23°24	10°14	8°56	3°48	n.a.	S 8
M 9	2 56 11	13°19'37	17°37	21°24	8°36	25°52	19°45	7°59	14° 4	15°41	23°26	10°D14	8°52	3°54	n.a.	M 9
T 10	3 0 8	14°20'46	1♍40	22°58	9°50	26°38	19°58	8° 4	14° 2	15°39	23°28	10°15	8°49	4° 1	n.a.	T 10
W11	3 4 4	15°21'55	15°35	24°32	11° 4	27°24	20°12	8° 9	14° 0	15°38	23°29	10°16	8°46	4° 8	n.a.	W11
T 12	3 8 1	16°23'05	29°23	26° 6	12°18	28°10	20°26	8°14	13°58	15°36	23°31	10°17	8°43	4°14	n.a.	T 12
F 13	3 11 57	17°24'16	13♎ 1	27°40	13°32	28°56	20°39	8°20	13°56	15°34	23°33	10°R18	8°40	4°21	n.a.	F 13
S 14	3 15 54	18°25'28	26°28	29°14	14°46	29°42	20°53	8°25	13°54	15°33	23°34	10°17	8°36	4°28	n.a.	S 14
S 15	3 19 51	19°26'41	9♏45	0♐48	16° 0	0♐28	21° 7	8°30	13°52	15°31	23°36	10°13	8°33	4°35	n.a.	S 15
M16	3 23 47	20°27'55	22°48	2°22	17°14	1°14	21°21	8°36	13°50	15°29	23°37	10° 8	8°30	4°41	n.a.	M16
T 17	3 27 44	21°29'09	5♐38	3°55	18°28	2° 0	21°34	8°42	13°48	15°27	23°39	10° 1	8°27	4°48	n.a.	T 17
W18	3 31 40	22°30'24	18°13	5°29	19°42	2°46	21°48	8°47	13°46	15°26	23°40	9°53	8°24	4°55	n.a.	W18
T 19	3 35 37	23°31'39	0♑34	7° 2	20°56	3°32	22° 2	8°53	13°44	15°24	23°42	9°44	8°21	5° 1	n.a.	T 19
F 20	3 39 33	24°32'54	12°43	8°36	22°11	4°19	22°16	8°59	13°43	15°22	23°43	9°37	8°17	5° 8	n.a.	F 20
S 21	3 43 30	25°34'09	24°42	10° 8	23°25	5° 5	22°29	9° 5	13°41	15°21	23°45	9°30	8°14	5°15	n.a.	S 21
S 22	3 47 27	26°35'25	6♒35	11°40	24°39	5°51	22°43	9°10	13°39	15°19	23°46	9°26	8°11	5°21	n.a.	S 22
M23	3 51 23	27°36'40	18°25	13°12	25°54	6°38	22°57	9°16	13°38	15°17	23°47	9°23	8° 8	5°28	n.a.	M23
T 24	3 55 20	28°37'56	0♓18	14°43	27° 8	7°24	23°11	9°22	13°36	15°16	23°49	9°D23	8° 5	5°35	n.a.	T 24
W25	3 59 16	29°39'11	12°18	16°13	28°22	8°10	23°24	9°28	13°35	15°14	23°50	9°24	8° 2	5°42	n.a.	W25
T 26	4 3 13	0♐40'26	24°32	17°41	29°37	8°57	23°38	9°35	13°33	15°12	23°51	9°25	7°58	5°48	n.a.	T 26
F 27	4 7 9	1°41'42	7♈ 3	19° 9	0♏51	9°43	23°52	9°41	13°32	15°11	23°52	9°R26	7°55	5°55	n.a.	F 27
S 28	4 11 6	2°42'57	19°57	20°34	2° 5	10°30	24° 5	9°47	13°30	15° 9	23°54	9°25	7°52	6° 2	n.a.	S 28
S 29	4 15 2	3°44'12	3♉15	21°58	3°20	11°16	24°19	9°53	13°29	15° 8	23°55	9°22	7°49	6° 8	n.a.	S 29
M30	4 18 59	4♐45'26	16♉59	23♐19	4♏34	12♐ 3	24♏33	9♑59	13♈28	15♉ 6	23♍56	9♈17	7♈46	6♒15	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s24	11n 9	1n20	15s32	0s57	2n11	1n51	18s24	0s31	16s51	0n33	23s53	0s22	5n10	0s36	15n 5	1s48	18n 7	16n50	4n15	3n44	24s18		n.a.
M 2	13 45	16 57	2 28	16 7	1 3	1 42	1 52	18 37	0 32	16 55	0 33	23 53	0 22	5 10	0 36	15 4	1 48	18 6	16 51	4 14	3 42	24 16		n.a.
T 3	14 5	22 0	3 30	16 42	1 9	1 13	1 52	18 50	0 33	16 59	0 33	23 53	0 22	5 9	0 36	15 4	1 48	18 6	16 51	4 13	3 41	24 14		n.a.
W 4	14 25	25 55	4 20	17 17	1 14	0 44	1 53	19 2	0 33	17 2	0 33	23 52	0 22	5 8	0 36	15 3	1 48	18 6	16 51	4 11	3 40	24 12		n.a.
T 5	14 45	28 17	4 54	17 50	1 20	0 15	1 53	19 15	0 34	17 6	0 33	23 52	0 22	5 7	0 36	15 3	1 48	18 5	16 52	4 9	3 39	24 10		n.a.
F 6	15 5	28 49	5 11	18 23	1 25	0s15	1 54	19 27	0 34	17 10	0 33	23 52	0 22	5 6	0 36	15 2	1 48	18 5	16 52	4 8	3 37	24 8		n.a.
S 7	15 24	27 25	5 9	18 55	1 30	0 44	1 54	19 39	0 35	17 14	0 33	23 52	0 22	5 5	0 36	15 2	1 48	18 4	16 53	4 7	3 36	24 6		n.a.
S 8	15 43	24 16	4 47	19 26	1 35	1 13	1 54	19 51	0 36	17 18	0 33	23 51	0 22	5 5	0 36	15 1	1 48	18 4	16 53	4 6	3 35	24 4		n.a.
M 9	16 2	19 40	4 8	19 56	1 39	1 43	1 54	20 2	0 36	17 22	0 33	23 51	0 22	5 4	0 36	15 1	1 48	18 4	16 54	4 6	3 33	24 2		n.a.
T 10	16 20	14 2	3 15	20 25	1 44	2 12	1 54	20 14	0 37	17 26	0 32	23 51	0 22	5 3	0 36	15 0	1 48	18 3	16 54	4 6	3 32	24 0		n.a.
W11	16 38	7 45	2 11	20 52	1 48	2 41	1 54	20 25	0 37	17 29	0 32	23 51	0 22	5 2	0 36	15 0	1 48	18 3	16 54	4 7	3 31	23 58		n.a.
T 12	16 56	1 9	0 59	21 19	1 52	3 11	1 54	20 36	0 38	17 33	0 32	23 50	0 22	5 1	0 36	14 59	1 48	18 3	16 55	4 7	3 30	23 56		n.a.
F 13	17 14	5s25	0s15	21 45	1 56	3 40	1 53	20 47	0 38	17 37	0 32	23 50	0 22	5 1	0 36	14 59	1 48	18 3	16 55	4 8	3 28	23 54		n.a.
S 14	17 31	11 41	1 27	22 10	1 59	4 9	1 53	20 58	0 39	17 41	0 32	23 50	0 22	5 0	0 36	14 58	1 48	18 2	16 56	4 7	3 27	23 52		n.a.
S 15	17 48	17 19	2 33	22 33	2 2	4 38	1 53	21 8	0 39	17 44	0 32	23 49	0 22	4 59	0 36	14 58	1 48	18 2	16 56	4 6	3 26	23 50		n.a.
M16	18 5	22 4	3 30	22 55	2 5	5 7	1 52	21 18	0 40	17 48	0 32	23 49	0 23	4 58	0 36	14 57	1 48	18 2	16 57	4 4	3 25	23 48		n.a.
T 17	18 21	25 41	4 15	23 16	2 7	5 37	1 51	21 28	0 40	17 52	0 32	23 49	0 23	4 58	0 36	14 57	1 48	18 2	16 57	4 1	3 23	23 46		n.a.
W18	18 37	27 57	4 47	23 36	2 9	6 6	1 51	21 38	0 41	17 55	0 32	23 49	0 23	4 57	0 36	14 57	1 48	18 2	16 58	3 58	3 22	23 44		n.a.
T 19	18 53	28 48	5 4	23 54	2 11	6 34	1 50	21 48	0 41	17 59	0 32	23 48	0 23	4 56	0 36	14 56	1 48	18 2	16 58	3 54	3 21	23 42		n.a.
F 20	19 8	28 13	5 7	24 10	2 12	7 3	1 49	21 57	0 42	18 3	0 32	23 48	0 23	4 56	0 35	14 56	1 48	18 1	16 59	3 51	3 20	23 40		n.a.
S 21	19 23	26 19	4 57	24 25	2 13	7 32	1 48	22 6	0 43	18 6	0 31	23 47	0 23	4 55	0 35	14 55	1 48	18 1	16 59	3 49	3 18	23 38		n.a.
S 22	19 38	23 16	4 34	24 39	2 13	8 0	1 47	22 15	0 43	18 10	0 31	23 47	0 23	4 55	0 35	14 55	1 48	18 1	17 0	3 47	3 17	23 36		n.a.
M23	19 52	19 17	4 0	24 51	2 13	8 29	1 46	22 23	0 44	18 14	0 31	23 47	0 23	4 54	0 35	14 54	1 48	18 1	17 0	3 46	3 16	23 33		n.a.
T 24	20 6	14 32	3 15	25 1	2 12	8 57	1 45	22 32	0 44	18 17	0 31	23 46	0 23	4 53	0 35	14 54	1 48	18 1	17 1	3 46	3 14	23 31		n.a.
W25	20 19	9 11	2 21	25 10	2 10	9 25	1 44	22 40	0 45	18 21	0 31	23 46	0 23	4 53	0 35	14 53	1 48	18 1	17 1	3 46	3 13	23 29		n.a.
T 26	20 32	3 24	1 19	25 16	2 8	9 52	1 42	22 48	0 45	18 24	0 31	23 46	0 23	4 52	0 35	14 53	1 48	18 1	17 2	3 46	3 12	23 27		n.a.
F 27	20 45	2n38	0 13	25 21	2 5	10 20	1 41	22 56	0 46	18 28	0 31	23 45	0 23	4 52	0 35	14 52	1 48	18 1	17 2	3 47	3 11	23 25		n.a.
S 28	20 57	8 45	0n56	25 25	2 2	10 47	1 40	23 3	0 46	18 31	0 31	23 45	0 23	4 51	0 35	14 52	1 47	18 1	17 3	3 47	3 9	23 23		n.a.
S 29	21 9	14 41	2 4	25 26	1 57	11 14	1 38	23 10	0 46	18 35	0 31	23 44	0 23	4 51	0 35	14 51	1 47	18 1	17 3	3 45	3 8	23 21		n.a.
M30	21s21	20n 5	3n 7	25s25	1s52	11s41	1n37	23s17	0s47	18s38	0n31	23s44	0s23	4n50	0s35	14n51	1s47	18n 1	17n 4	3n43	3n 7	23s19		n.a.

Julian Day Number = 1631145.5, Delta T = 03h41m50s
Ecliptic obliquity = 23°43'40, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'57, Lahiri = - 7°21'56 Julian Calendar 1 Nov. 248 BCE == Greg. Calendar 28 Oct. 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 248 BCE
geocentric

DECEMBER 248 BCE (-247) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 22 56	5♐46'41	1♊ 6	24♐38	5♏49	12♐50	24♏46	10♑ 6	13°R26	15°R 4	23♍57	9°R10	7♈42	6♒22	n.a.	T 1
W 2	4 26 52	6°47'56	15°33	25°53	7° 3	13°36	25° 0	10°12	13♈25	15♉ 3	23°58	9♈ 1	7°39	6°29	n.a.	W 2
T 3	4 30 49	7°49'11	0♋12	27° 4	8°18	14°23	25°14	10°19	13°24	15° 1	23°59	8°51	7°36	6°35	n.a.	T 3
F 4	4 34 45	8°50'26	14°57	28°10	9°33	15°10	25°27	10°25	13°23	15° 0	24° 0	8°42	7°33	6°42	n.a.	F 4
S 5	4 38 42	9°51'41	29°38	29°11	10°47	15°56	25°41	10°32	13°22	14°58	24° 1	8°34	7°30	6°49	n.a.	S 5
S 6	4 42 38	10°52'55	14♌10	0♑ 6	12° 2	16°43	25°54	10°38	13°21	14°57	24° 2	8°29	7°27	6°55	n.a.	S 6
M 7	4 46 35	11°54'10	28°28	0°54	13°16	17°30	26° 8	10°45	13°20	14°55	24° 3	8°26	7°23	7° 2	n.a.	M 7
T 8	4 50 31	12°55'25	12♍30	1°34	14°31	18°17	26°21	10°51	13°19	14°54	24° 4	8°D25	7°20	7° 9	n.a.	T 8
W 9	4 54 28	13°56'40	26°16	2° 6	15°46	19° 4	26°35	10°58	13°18	14°52	24° 4	8°25	7°17	7°16	n.a.	W 9
T 10	4 58 25	14°57'54	9♎47	2°27	17° 0	19°51	26°48	11° 5	13°17	14°51	24° 5	8°R25	7°14	7°22	n.a.	T 10
F 11	5 2 21	15°59'09	23° 3	2°39	18°15	20°38	27° 2	11°11	13°16	14°49	24° 6	8°25	7°11	7°29	n.a.	F 11
S 12	5 6 18	17° 0'23	6♏ 8	2°R39	19°30	21°25	27°15	11°18	13°16	14°48	24° 7	8°21	7° 8	7°36	n.a.	S 12
S 13	5 10 14	18° 1'37	19° 1	2°28	20°44	22°12	27°28	11°25	13°15	14°47	24° 7	8°15	7° 4	7°42	n.a.	S 13
M14	5 14 11	19° 2'51	1♐43	2° 4	21°59	22°59	27°42	11°32	13°14	14°45	24° 8	8° 6	7° 1	7°49	n.a.	M14
T 15	5 18 7	20° 4'04	14°16	1°30	23°14	23°46	27°55	11°39	13°14	14°44	24° 9	7°54	6°58	7°56	n.a.	T 15
W16	5 22 4	21° 5'17	26°38	0°44	24°29	24°33	28° 8	11°46	13°13	14°43	24° 9	7°40	6°55	8° 2	n.a.	W16
T 17	5 26 1	22° 6'29	8♑51	29♐48	25°43	25°20	28°21	11°53	13°13	14°41	24°10	7°26	6°52	8° 9	n.a.	T 17
F 18	5 29 57	23° 7'40	20°55	28°44	26°58	26° 7	28°35	11°59	13°12	14°40	24°10	7°13	6°48	8°16	n.a.	F 18
S 19	5 33 54	24° 8'50	2♒51	27°33	28°13	26°54	28°48	12° 6	13°12	14°39	24°11	7° 1	6°45	8°23	n.a.	S 19
S 20	5 37 50	25°10'00	14°41	26°17	29°27	27°41	29° 1	12°13	13°12	14°38	24°11	6°52	6°42	8°29	n.a.	S 20
M21	5 41 47	26°11'08	26°30	25° 0	0♐42	28°28	29°14	12°20	13°11	14°36	24°11	6°45	6°39	8°36	n.a.	M21
T 22	5 45 43	27°12'15	8♓20	23°43	1°57	29°15	29°27	12°27	13°11	14°35	24°12	6°42	6°36	8°43	n.a.	T 22
W23	5 49 40	28°13'21	20°17	22°28	3°12	0♑ 3	29°40	12°35	13°11	14°34	24°12	6°40	6°33	8°49	n.a.	W23
T 24	5 53 36	29°14'26	2♈27	21°19	4°26	0°50	29°53	12°42	13°11	14°33	24°12	6°40	6°29	8°56	n.a.	T 24
F 25	5 57 33	0♑15'30	14°53	20°15	5°41	1°37	0♐ 5	12°49	13°11	14°32	24°13	6°40	6°26	9° 3	n.a.	F 25
S 26	6 1 30	1°16'32	27°43	19°19	6°56	2°24	0°18	12°56	13°D11	14°31	24°13	6°39	6°23	9° 9	n.a.	S 26
S 27	6 5 26	2°17'33	11♉ 0	18°31	8°11	3°11	0°31	13° 3	13°11	14°30	24°13	6°35	6°20	9°16	n.a.	S 27
M28	6 9 23	3°18'33	24°46	17°51	9°25	3°59	0°44	13°10	13°11	14°29	24°13	6°29	6°17	9°23	n.a.	M28
T 29	6 13 19	4°19'32	9♊ 1	17°21	10°40	4°46	0°56	13°17	13°11	14°28	24°13	6°20	6°14	9°30	n.a.	T 29
W30	6 17 16	5°20'30	23°42	16°59	11°55	5°33	1° 9	13°24	13°11	14°27	24°13	6° 9	6°10	9°36	n.a.	W30
T 31	6 21 12	6♑21'26	8♋41	16♐47	13♐10	6♑20	1♐21	13♑31	13♈11	14♉26	24°R13	5♈57	6♈ 7	9♒43	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
T 1	21 s32	24n32	4n 0	25 s23	1 s46	12 s 8	1n35	23 s24	0 s47	18 s42	0n31	23 s44	0 s23	4n50	0 s35	14n51	1 s47	18n 1	17n 4	3n40		3n 6		23 s16			n.a.
W 2	21 42	27 33	4 39	25 18	1 39	12 34	1 33	23 30	0 48	18 45	0 31	23 43	0 23	4 49	0 35	14 50	1 47	18 1	17 5	3 37		3 4		23 14			n.a.
T 3	21 53	28 44	5 0	25 12	1 31	13 0	1 31	23 36	0 48	18 48	0 30	23 43	0 23	4 49	0 35	14 50	1 47	18 1	17 6	3 33		3 3		23 12			n.a.
F 4	22 2	27 53	5 2	25 4	1 21	13 26	1 30	23 42	0 49	18 52	0 30	23 42	0 23	4 48	0 35	14 49	1 47	18 1	17 6	3 29		3 2		23 10			n.a.
S 5	22 12	25 5	4 44	24 55	1 11	13 51	1 28	23 47	0 49	18 55	0 30	23 42	0 24	4 48	0 35	14 49	1 47	18 2	17 7	3 26		3 1		23 8			n.a.
S 6	22 21	20 43	4 7	24 43	1 0	14 16	1 26	23 53	0 50	18 58	0 30	23 41	0 24	4 48	0 35	14 48	1 47	18 2	17 7	3 24		2 59		23 6			n.a.
M 7	22 29	15 12	3 16	24 31	0 47	14 41	1 24	23 58	0 50	19 2	0 30	23 41	0 24	4 47	0 35	14 48	1 47	18 2	17 8	3 23		2 58		23 3			n.a.
T 8	22 37	9 0	2 13	24 16	0 33	15 5	1 22	24 3	0 51	19 5	0 30	23 40	0 24	4 47	0 35	14 48	1 47	18 2	17 8	3 23		2 57		23 1			n.a.
W 9	22 45	2 29	1 4	24 1	0 18	15 29	1 20	24 7	0 51	19 8	0 30	23 40	0 24	4 47	0 35	14 47	1 47	18 2	17 9	3 23		2 55		22 59			n.a.
T 10	22 52	4 s 2	0 s 7	23 45	0 2	15 52	1 18	24 11	0 51	19 12	0 30	23 39	0 24	4 46	0 35	14 47	1 47	18 2	17 9	3 23		2 54		22 57			n.a.
F 11	22 59	10 15	1 17	23 27	0n15	16 16	1 16	24 15	0 52	19 15	0 30	23 39	0 24	4 46	0 35	14 46	1 47	18 3	17 10	3 22		2 53		22 55			n.a.
S 12	23 5	15 57	2 21	23 9	0 33	16 38	1 13	24 19	0 52	19 18	0 30	23 38	0 24	4 46	0 35	14 46	1 47	18 3	17 11	3 21		2 52		22 52			n.a.
S 13	23 11	20 51	3 18	22 51	0 52	17 1	1 11	24 22	0 53	19 21	0 30	23 38	0 24	4 46	0 35	14 46	1 47	18 3	17 11	3 19		2 50		22 50			n.a.
M14	23 16	24 43	4 3	22 32	1 11	17 22	1 9	24 25	0 53	19 24	0 30	23 37	0 24	4 45	0 35	14 45	1 47	18 3	17 12	3 15		2 49		22 48			n.a.
T 15	23 21	27 21	4 36	22 13	1 30	17 44	1 7	24 28	0 53	19 27	0 30	23 37	0 24	4 45	0 35	14 45	1 47	18 4	17 12	3 10		2 48		22 46			n.a.
W16	23 25	28 36	4 55	21 54	1 49	18 5	1 4	24 31	0 54	19 30	0 30	23 36	0 24	4 45	0 35	14 45	1 47	18 4	17 13	3 5		2 47		22 44			n.a.
T 17	23 29	28 25	5 0	21 36	2 8	18 25	1 2	24 33	0 54	19 33	0 29	23 36	0 24	4 45	0 35	14 44	1 47	18 4	17 13	2 59		2 45		22 41			n.a.
F 18	23 33	26 53	4 52	21 18	2 26	18 45	1 0	24 35	0 55	19 36	0 29	23 35	0 24	4 45	0 35	14 44	1 47	18 5	17 14	2 54		2 44		22 39			n.a.
S 19	23 36	24 9	4 31	21 1	2 42	19 4	0 57	24 36	0 55	19 39	0 29	23 34	0 24	4 45	0 35	14 44	1 47	18 5	17 15	2 49		2 43		22 37			n.a.
S 20	23 38	20 25	3 58	20 45	2 56	19 23	0 55	24 38	0 55	19 42	0 29	23 34	0 24	4 44	0 35	14 43	1 47	18 5	17 15	2 45		2 41		22 35			n.a.
M21	23 40	15 53	3 15	20 30	3 8	19 42	0 52	24 39	0 56	19 45	0 29	23 33	0 25	4 44	0 34	14 43	1 47	18 6	17 16	2 43		2 40		22 32			n.a.
T 22	23 42	10 46	2 24	20 17	3 18	19 59	0 50	24 40	0 56	19 48	0 29	23 33	0 25	4 44	0 34	14 43	1 47	18 6	17 16	2 41		2 39		22 30			n.a.
W23	23 43	5 12	1 26	20 6	3 25	20 17	0 47	24 40	0 56	19 51	0 29	23 32	0 25	4 44	0 34	14 42	1 47	18 6	17 17	2 41		2 38		22 28			n.a.
T 24	23 44	0n39	0 22	19 57	3 30	20 33	0 45	24 40	0 57	19 54	0 29	23 31	0 25	4 44	0 34	14 42	1 46	18 7	17 18	2 41		2 36		22 25			n.a.
F 25	23 44	6 36	0n43	19 50	3 32	20 49	0 42	24 40	0 57	19 57	0 29	23 31	0 25	4 44	0 34	14 42	1 46	18 7	17 18	2 41		2 35		22 23			n.a.
S 26	23 43	12 29	1 49	19 46	3 33	21 5	0 39	24 40	0 57	19 59	0 29	23 30	0 25	4 44	0 34	14 42	1 46	18 8	17 19	2 40		2 34		22 21			n.a.
S 27	23 42	18 0	2 51	19 43	3 31	21 20	0 37	24 39	0 58	20 2	0 29	23 30	0 25	4 44	0 34	14 41	1 46	18 8	17 19	2 39		2 33		22 19			n.a.
M28	23 41	22 49	3 45	19 44	3 27	21 34	0 34	24 38	0 58	20 5	0 29	23 29	0 25	4 44	0 34	14 41	1 46	18 9	17 20	2 36		2 31		22 16			n.a.
T 29	23 39	26 28	4 27	19 46	3 22	21 48	0 32	24 37	0 58	20 7	0 29	23 28	0 25	4 44	0 34	14 41	1 46	18 9	17 21	2 33		2 30		22 14			n.a.
W30	23 37	28 27	4 53	19 50	3 16	22 1	0 29	24 35	0 59	20 10	0 29	23 28	0 25	4 45	0 34	14 41	1 46	18 10	17 21	2 28		2 29		22 12			n.a.
T 31	23 s34	28n25	4n59	19 s56	3n 8	22 s13	0n26	24 s33	0 s59	20 s13	0n29	23 s27	0 s25	4n45	0 s34	14n40	1 s46	18n10	17n22	2n24		2n28		22 s 9			n.a.

Julian Day Number = 1631175.5, Delta T = 03h41m49s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'53, Lahiri = - 7°21'52 Julian Calendar 1 Dec. 248 BCE == Greg. Calendar 27 Nov. 248 BCE

The year -247 astronomical counting style corresponds to year 248 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

JANUARY 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 25 9	7♑22'21	23♋50	16°D42	14♐24	7♑ 8	1♐34	13♑39	13♈12	14°R25	24°R13	5°R46	6♈ 4	9♒50	n.a.	F 1
S 2	6 29 6	8°23'15	8♌57	16♐45	15°39	7°55	1°46	13°46	13°12	14♉24	24♍13	5♈36	6° 1	9°56	n.a.	S 2
S 3	6 33 2	9°24'08	23°53	16°55	16°54	8°42	1°58	13°53	13°12	14°23	24°13	5°28	5°58	10° 3	n.a.	S 3
M 4	6 36 59	10°24'59	8♍30	17°12	18° 9	9°30	2°11	14° 0	13°13	14°23	24°13	5°24	5°54	10°10	n.a.	M 4
T 5	6 40 55	11°25'50	22°44	17°35	19°23	10°17	2°23	14° 7	13°13	14°22	24°13	5°22	5°51	10°17	n.a.	T 5
W 6	6 44 52	12°26'40	6♎35	18° 4	20°38	11° 4	2°35	14°15	13°14	14°21	24°13	5°22	5°48	10°23	n.a.	W 6
T 7	6 48 48	13°27'28	20° 3	18°38	21°53	11°52	2°47	14°22	13°15	14°20	24°12	5°22	5°45	10°30	n.a.	T 7
F 8	6 52 45	14°28'15	3♏12	19°17	23° 8	12°39	2°59	14°29	13°15	14°20	24°12	5°21	5°42	10°37	n.a.	F 8
S 9	6 56 41	15°29'02	16° 3	20° 0	24°22	13°26	3°11	14°36	13°16	14°19	24°12	5°17	5°39	10°43	n.a.	S 9
S 10	7 0 38	16°29'47	28°41	20°47	25°37	14°14	3°23	14°43	13°17	14°18	24°12	5°11	5°35	10°50	n.a.	S 10
M11	7 4 35	17°30'30	11♐ 7	21°38	26°52	15° 1	3°35	14°51	13°18	14°18	24°11	5° 2	5°32	10°57	n.a.	M11
T 12	7 8 31	18°31'13	23°24	22°32	28° 6	15°48	3°46	14°58	13°18	14°17	24°11	4°50	5°29	11° 3	n.a.	T 12
W13	7 12 28	19°31'54	5♑33	23°29	29°21	16°36	3°58	15° 5	13°19	14°17	24°10	4°36	5°26	11°10	n.a.	W13
T 14	7 16 24	20°32'33	17°36	24°29	0♑36	17°23	4°10	15°12	13°20	14°16	24°10	4°22	5°23	11°17	n.a.	T 14
F 15	7 20 21	21°33'11	29°32	25°32	1°51	18°10	4°21	15°20	13°21	14°16	24° 9	4° 8	5°20	11°23	n.a.	F 15
S 16	7 24 17	22°33'47	11♒24	26°37	3° 5	18°58	4°32	15°27	13°22	14°15	24° 9	3°56	5°16	11°30	n.a.	S 16
S 17	7 28 14	23°34'22	23°14	27°44	4°20	19°45	4°44	15°34	13°24	14°15	24° 8	3°47	5°13	11°37	n.a.	S 17
M18	7 32 10	24°34'54	5♓ 2	28°53	5°35	20°33	4°55	15°41	13°25	14°15	24° 8	3°40	5°10	11°44	n.a.	M18
T 19	7 36 7	25°35'25	16°53	0♑ 4	6°49	21°20	5° 6	15°48	13°26	14°14	24° 7	3°36	5° 7	11°50	n.a.	T 19
W20	7 40 4	26°35'54	28°50	1°18	8° 4	22° 7	5°17	15°55	13°27	14°14	24° 6	3°D35	5° 4	11°57	n.a.	W20
T 21	7 44 0	27°36'20	10♈58	2°32	9°19	22°55	5°28	16° 2	13°29	14°14	24° 6	3°35	5° 0	12° 4	n.a.	T 21
F 22	7 47 57	28°36'45	23°22	3°49	10°33	23°42	5°39	16°10	13°30	14°13	24° 5	3°R35	4°57	12°10	n.a.	F 22
S 23	7 51 53	29°37'07	6♉ 6	5° 7	11°48	24°29	5°49	16°17	13°31	14°13	24° 4	3°35	4°54	12°17	n.a.	S 23
S 24	7 55 50	0♒37'28	19°16	6°26	13° 3	25°16	6° 0	16°24	13°33	14°13	24° 3	3°34	4°51	12°24	n.a.	S 24
M25	7 59 46	1°37'46	2♊54	7°47	14°17	26° 4	6°11	16°31	13°34	14°13	24° 3	3°30	4°48	12°30	n.a.	M25
T 26	8 3 43	2°38'03	17° 3	9° 9	15°32	26°51	6°21	16°38	13°36	14°13	24° 2	3°23	4°45	12°37	n.a.	T 26
W27	8 7 39	3°38'17	1♋40	10°33	16°46	27°38	6°31	16°45	13°38	14°13	24° 1	3°15	4°41	12°44	n.a.	W27
T 28	8 11 36	4°38'29	16°41	11°58	18° 1	28°26	6°42	16°52	13°39	14°D13	24° 0	3° 6	4°38	12°51	n.a.	T 28
F 29	8 15 33	5°38'39	1♌57	13°24	19°16	29°13	6°52	16°59	13°41	14°13	23°59	2°57	4°35	12°57	n.a.	F 29
S 30	8 19 29	6°38'47	17°16	14°51	20°30	0♒ 0	7° 2	17° 6	13°43	14°13	23°58	2°49	4°32	13° 4	n.a.	S 30
S 31	8 23 26	7♒38'54	2♍28	16♑19	21♑45	0♒47	7♐12	17♑13	13♈44	14♉13	23♍57	2♈44	4♈29	13♒11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s31	26n17	4n45	20s 4	3n 0	22s25	0n24	24s31	0s59	20s15	0n29	23s26	0s25	4n45	0s34	14n40	1s46	18n11	17n22	2n19	2n26	22s 7		n.a.
S 2	23 27	22 16	4 11	20 13	2 51	22 36	0 21	24 29	1 0	20 18	0 29	23 26	0 25	4 45	0 34	14 40	1 46	18 11	17 23	2 15	2 25	22 5		n.a.
S 3	23 23	16 52	3 20	20 24	2 42	22 46	0 18	24 26	1 0	20 20	0 28	23 25	0 25	4 45	0 34	14 40	1 46	18 12	17 23	2 12	2 24	22 2		n.a.
M 4	23 19	10 35	2 17	20 35	2 32	22 56	0 16	24 23	1 0	20 23	0 28	23 24	0 25	4 45	0 34	14 40	1 46	18 12	17 24	2 10	2 22	22 0		n.a.
T 5	23 14	3 56	1 6	20 48	2 21	23 5	0 13	24 20	1 1	20 25	0 28	23 23	0 26	4 46	0 34	14 39	1 46	18 13	17 25	2 9	2 21	21 58		n.a.
W 6	23 8	2s45	0s 6	21 1	2 11	23 13	0 10	24 16	1 1	20 28	0 28	23 23	0 26	4 46	0 34	14 39	1 46	18 14	17 25	2 9	2 20	21 55		n.a.
T 7	23 2	9 7	1 17	21 14	2 0	23 21	0 8	24 12	1 1	20 30	0 28	23 22	0 26	4 46	0 34	14 39	1 46	18 14	17 26	2 9	2 19	21 53		n.a.
F 8	22 56	14 56	2 21	21 28	1 50	23 28	0 5	24 8	1 1	20 33	0 28	23 21	0 26	4 46	0 34	14 39	1 46	18 15	17 26	2 9	2 17	21 51		n.a.
S 9	22 49	19 59	3 17	21 42	1 39	23 34	0 3	24 4	1 2	20 35	0 28	23 21	0 26	4 47	0 34	14 39	1 46	18 15	17 27	2 8	2 16	21 48		n.a.
S 10	22 42	24 2	4 2	21 56	1 28	23 39	0s 0	23 59	1 2	20 37	0 28	23 20	0 26	4 47	0 34	14 39	1 46	18 16	17 27	2 5	2 15	21 46		n.a.
M11	22 34	26 55	4 35	22 10	1 18	23 44	0 3	23 54	1 2	20 40	0 28	23 19	0 26	4 48	0 34	14 39	1 45	18 17	17 28	2 1	2 14	21 43		n.a.
T 12	22 26	28 28	4 54	22 23	1 7	23 48	0 5	23 49	1 2	20 42	0 28	23 18	0 26	4 48	0 34	14 38	1 45	18 17	17 29	1 57	2 12	21 41		n.a.
W13	22 17	28 36	5 0	22 37	0 57	23 51	0 8	23 43	1 2	20 44	0 28	23 18	0 26	4 48	0 34	14 38	1 45	18 18	17 29	1 51	2 11	21 39		n.a.
T 14	22 8	27 23	4 52	22 50	0 47	23 54	0 10	23 37	1 3	20 47	0 28	23 17	0 26	4 49	0 34	14 38	1 45	18 19	17 30	1 45	2 10	21 36		n.a.
F 15	21 59	24 55	4 32	23 2	0 37	23 56	0 13	23 31	1 3	20 49	0 28	23 16	0 26	4 49	0 34	14 38	1 45	18 19	17 30	1 40	2 8	21 34		n.a.
S 16	21 49	21 24	3 59	23 14	0 27	23 57	0 15	23 25	1 3	20 51	0 28	23 15	0 26	4 50	0 34	14 38	1 45	18 20	17 31	1 35	2 7	21 31		n.a.
S 17	21 39	17 2	3 17	23 25	0 18	23 57	0 18	23 18	1 3	20 53	0 28	23 15	0 26	4 50	0 34	14 38	1 45	18 21	17 31	1 31	2 6	21 29		n.a.
M18	21 28	12 2	2 25	23 35	0 9	23 57	0 20	23 11	1 3	20 55	0 28	23 14	0 27	4 51	0 33	14 38	1 45	18 22	17 32	1 28	2 5	21 27		n.a.
T 19	21 17	6 35	1 28	23 44	0s 0	23 56	0 23	23 4	1 4	20 57	0 28	23 13	0 27	4 51	0 33	14 38	1 45	18 22	17 32	1 27	2 3	21 24		n.a.
W20	21 5	0 51	0 25	23 52	0 9	23 54	0 25	22 56	1 4	20 59	0 28	23 12	0 27	4 52	0 33	14 38	1 45	18 23	17 33	1 26	2 2	21 22		n.a.
T 21	20 53	5n 0	0n39	24 0	0 18	23 51	0 28	22 48	1 4	21 1	0 28	23 12	0 27	4 52	0 33	14 38	1 45	18 24	17 33	1 26	2 1	21 19		n.a.
F 22	20 41	10 47	1 43	24 6	0 26	23 48	0 30	22 40	1 4	21 3	0 28	23 11	0 27	4 53	0 33	14 38	1 45	18 25	17 34	1 27	1 59	21 17		n.a.
S 23	20 29	16 18	2 44	24 12	0 34	23 44	0 32	22 32	1 4	21 5	0 27	23 10	0 27	4 53	0 33	14 38	1 45	18 25	17 34	1 27	1 58	21 14		n.a.
S 24	20 16	21 15	3 39	24 16	0 42	23 39	0 35	22 24	1 4	21 7	0 27	23 9	0 27	4 54	0 33	14 38	1 45	18 26	17 35	1 26	1 57	21 12		n.a.
M25	20 2	25 17	4 22	24 19	0 49	23 34	0 37	22 15	1 5	21 9	0 27	23 8	0 27	4 55	0 33	14 38	1 45	18 27	17 35	1 24	1 56	21 9		n.a.
T 26	19 48	27 56	4 52	24 21	0 56	23 27	0 39	22 6	1 5	21 11	0 27	23 8	0 27	4 55	0 33	14 38	1 45	18 28	17 36	1 22	1 54	21 7		n.a.
W27	19 34	28 47	5 4	24 21	1 3	23 21	0 41	21 57	1 5	21 13	0 27	23 7	0 27	4 56	0 33	14 38	1 44	18 28	17 36	1 19	1 53	21 5		n.a.
T 28	19 20	27 34	4 56	24 21	1 10	23 13	0 43	21 47	1 5	21 14	0 27	23 6	0 27	4 57	0 33	14 38	1 44	18 29	17 37	1 15	1 52	21 2		n.a.
F 29	19 5	24 17	4 27	24 18	1 16	23 5	0 45	21 37	1 5	21 16	0 27	23 5	0 27	4 57	0 33	14 38	1 44	18 30	17 37	1 11	1 51	21 0		n.a.
S 30	18 50	19 18	3 38	24 15	1 22	22 56	0 48	21 27	1 5	21 18	0 27	23 4	0 28	4 58	0 33	14 38	1 44	18 31	17 38	1 8	1 49	20 57		n.a.
S 31	18s35	13n 7	2n34	24s10	1s28	22s46	0s50	21s17	1s 5	21s20	0n27	23s 4	0s28	4n59	0s33	14n38	1s44	18n32	17n38	1n 6	1n48	20s55		n.a.

Julian Day Number = 1631206.5, Delta T = 03h41m48s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'48, Lahiri = - 7°21'48 Julian Calendar 1 Jan. 247 BCE == Greg. Calendar 28 Dec. 248 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

FEBRUARY 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 27 22	8♒38'58	17♍23	17♏49	22♏59	1♒34	7♐22	17♏20	13♈46	14♉13	23°R56	2°R40	4♈26	13♒17	n.a.	M 1
T 2	8 31 19	9°39'00	1♎55	19°20	24°14	2°22	7°31	17°26	13°48	14°13	23♍55	2°D39	4°22	13°24	n.a.	T 2
W 3	8 35 15	10°39'01	15°59	20°52	25°28	3° 9	7°41	17°33	13°50	14°13	23°54	2♈40	4°19	13°31	n.a.	W 3
T 4	8 39 12	11°39'00	29°37	22°25	26°43	3°56	7°50	17°40	13°52	14°14	23°53	2°41	4°16	13°37	n.a.	T 4
F 5	8 43 8	12°38'57	12♏49	23°59	27°57	4°43	8° 0	17°47	13°54	14°14	23°52	2°R42	4°13	13°44	n.a.	F 5
S 6	8 47 5	13°38'53	25°40	25°34	29°12	5°30	8° 9	17°54	13°56	14°14	23°51	2°41	4°10	13°51	n.a.	S 6
S 7	8 51 2	14°38'47	8♐12	27°11	0♒26	6°17	8°18	18° 0	13°58	14°15	23°49	2°38	4° 6	13°57	n.a.	S 7
M 8	8 54 58	15°38'39	20°31	28°48	1°41	7° 4	8°27	18° 7	14° 0	14°15	23°48	2°33	4° 3	14° 4	n.a.	M 8
T 9	8 58 55	16°38'29	2♑38	0♒27	2°55	7°52	8°36	18°14	14° 2	14°15	23°47	2°26	4° 0	14°11	n.a.	T 9
W10	9 2 51	17°38'18	14°38	2° 7	4°10	8°39	8°45	18°20	14° 5	14°16	23°46	2°18	3°57	14°18	n.a.	W10
T 11	9 6 48	18°38'04	26°32	3°48	5°24	9°26	8°53	18°27	14° 7	14°16	23°44	2° 9	3°54	14°24	n.a.	T 11
F 12	9 10 44	19°37'48	8♒24	5°30	6°39	10°13	9° 2	18°34	14° 9	14°17	23°43	2° 1	3°51	14°31	n.a.	F 12
S 13	9 14 41	20°37'31	20°13	7°14	7°53	11° 0	9°10	18°40	14°12	14°17	23°42	1°54	3°47	14°38	n.a.	S 13
S 14	9 18 37	21°37'11	2♓ 3	8°59	9° 8	11°47	9°19	18°47	14°14	14°18	23°40	1°48	3°44	14°44	n.a.	S 14
M15	9 22 34	22°36'49	13°56	10°45	10°22	12°34	9°27	18°53	14°16	14°18	23°39	1°44	3°41	14°51	n.a.	M15
T 16	9 26 31	23°36'24	25°52	12°32	11°37	13°20	9°35	18°59	14°19	14°19	23°38	1°42	3°38	14°58	n.a.	T 16
W17	9 30 27	24°35'58	7♈55	14°20	12°51	14° 7	9°43	19° 6	14°21	14°20	23°36	1°D42	3°35	15° 4	n.a.	W17
T 18	9 34 24	25°35'29	20° 8	16°10	14° 5	14°54	9°50	19°12	14°24	14°20	23°35	1°44	3°31	15°11	n.a.	T 18
F 19	9 38 20	26°34'57	2♉36	18° 1	15°20	15°41	9°58	19°18	14°26	14°21	23°33	1°45	3°28	15°18	n.a.	F 19
S 20	9 42 17	27°34'24	15°20	19°53	16°34	16°28	10° 5	19°24	14°29	14°22	23°32	1°47	3°25	15°24	n.a.	S 20
S 21	9 46 13	28°33'48	28°26	21°46	17°49	17°15	10°13	19°31	14°31	14°23	23°30	1°R47	3°22	15°31	n.a.	S 21
M22	9 50 10	29°33'09	11♊57	23°41	19° 3	18° 1	10°20	19°37	14°34	14°23	23°29	1°47	3°19	15°38	n.a.	M22
T 23	9 54 6	0♓32'28	25°54	25°37	20°17	18°48	10°27	19°43	14°37	14°24	23°27	1°45	3°16	15°45	n.a.	T 23
W24	9 58 3	1°31'45	10♋17	27°34	21°32	19°35	10°34	19°49	14°40	14°25	23°26	1°41	3°12	15°51	n.a.	W24
T 25	10 1 59	2°30'59	25° 4	29°32	22°46	20°21	10°40	19°55	14°42	14°26	23°24	1°37	3° 9	15°58	n.a.	T 25
F 26	10 5 56	3°30'11	10♌ 8	1♓32	24° 0	21° 8	10°47	20° 1	14°45	14°27	23°23	1°33	3° 6	16° 5	n.a.	F 26
S 27	10 9 53	4°29'21	25°20	3°32	25°14	21°55	10°53	20° 6	14°48	14°28	23°21	1°30	3° 3	16°11	n.a.	S 27
S 28	10 13 49	5♓28'28	10♍31	5♓34	26♒29	22♒41	11♐ 0	20♏12	14♈51	14♉29	23♍20	1♈27	3♈ 0	16♒18	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s19	6n17	1n21	24s 4	1s33	22s35	0s52	21s 7	1s 5	21s21	0n27	23s 3	0s28	4n59	0s33	14n39	1s44	18n32	17n38	1n 5	1n47	20s52		n.a.
T 2	18 3	0s42	0 4	23 56	1 38	22 24	0 53	20 56	1 5	21 23	0 27	23 2	0 28	5 0	0 33	14 39	1 44	18 33	17 39	1 4	1 45	20 50		n.a.
W 3	17 47	7 27	1s11	23 47	1 43	22 12	0 55	20 45	1 6	21 25	0 27	23 1	0 28	5 1	0 33	14 39	1 44	18 34	17 39	1 4	1 44	20 47		n.a.
T 4	17 30	13 39	2 20	23 36	1 47	22 0	0 57	20 34	1 6	21 26	0 27	23 0	0 28	5 2	0 33	14 39	1 44	18 35	17 40	1 5	1 43	20 45		n.a.
F 5	17 13	19 1	3 19	23 23	1 51	21 47	0 59	20 23	1 6	21 28	0 27	23 0	0 28	5 3	0 33	14 39	1 44	18 36	17 40	1 5	1 42	20 42		n.a.
S 6	16 56	23 23	4 6	23 9	1 54	21 33	1 1	20 11	1 6	21 29	0 27	22 59	0 28	5 3	0 33	14 39	1 44	18 37	17 41	1 5	1 40	20 40		n.a.
S 7	16 38	26 33	4 40	22 54	1 57	21 19	1 2	19 59	1 6	21 31	0 27	22 58	0 28	5 4	0 33	14 39	1 44	18 37	17 41	1 4	1 39	20 37		n.a.
M 8	16 20	28 23	5 1	22 36	2 0	21 4	1 4	19 47	1 6	21 32	0 27	22 57	0 28	5 5	0 33	14 39	1 44	18 38	17 41	1 2	1 38	20 34		n.a.
T 9	16 2	28 50	5 8	22 17	2 2	20 48	1 6	19 35	1 6	21 34	0 27	22 56	0 28	5 6	0 33	14 40	1 44	18 39	17 42	0 59	1 37	20 32		n.a.
W10	15 44	27 53	5 1	21 57	2 4	20 32	1 7	19 23	1 6	21 35	0 27	22 56	0 29	5 7	0 33	14 40	1 44	18 40	17 42	0 56	1 35	20 29		n.a.
T 11	15 25	25 41	4 41	21 34	2 6	20 15	1 9	19 10	1 6	21 37	0 27	22 55	0 29	5 8	0 33	14 40	1 43	18 41	17 42	0 52	1 34	20 27		n.a.
F 12	15 6	22 22	4 8	21 10	2 7	19 58	1 10	18 57	1 6	21 38	0 27	22 54	0 29	5 9	0 33	14 40	1 43	18 42	17 43	0 49	1 33	20 24		n.a.
S 13	14 47	18 10	3 26	20 44	2 8	19 40	1 11	18 44	1 6	21 39	0 27	22 53	0 29	5 10	0 33	14 40	1 43	18 42	17 43	0 46	1 31	20 22		n.a.
S 14	14 28	13 15	2 34	20 17	2 8	19 21	1 13	18 31	1 6	21 41	0 27	22 52	0 29	5 11	0 33	14 41	1 43	18 43	17 44	0 43	1 30	20 19		n.a.
M15	14 9	7 51	1 35	19 47	2 7	19 2	1 14	18 18	1 6	21 42	0 27	22 52	0 29	5 12	0 33	14 41	1 43	18 44	17 44	0 42	1 29	20 17		n.a.
T 16	13 49	2 9	0 32	19 16	2 7	18 43	1 15	18 4	1 6	21 43	0 27	22 51	0 29	5 13	0 33	14 41	1 43	18 45	17 44	0 41	1 28	20 14		n.a.
W17	13 29	3n42	0n34	18 43	2 5	18 22	1 16	17 50	1 6	21 44	0 26	22 50	0 29	5 14	0 33	14 41	1 43	18 46	17 44	0 41	1 26	20 11		n.a.
T 18	13 9	9 29	1 39	18 9	2 4	18 2	1 17	17 36	1 6	21 45	0 26	22 49	0 29	5 15	0 33	14 42	1 43	18 47	17 45	0 42	1 25	20 9		n.a.
F 19	12 48	15 2	2 41	17 32	2 1	17 41	1 18	17 22	1 6	21 47	0 26	22 48	0 29	5 16	0 32	14 42	1 43	18 47	17 45	0 42	1 24	20 6		n.a.
S 20	12 28	20 4	3 36	16 54	1 59	17 19	1 19	17 8	1 6	21 48	0 26	22 48	0 30	5 17	0 32	14 42	1 43	18 48	17 45	0 43	1 23	20 4		n.a.
S 21	12 7	24 18	4 22	16 14	1 55	16 57	1 20	16 54	1 6	21 49	0 26	22 47	0 30	5 18	0 32	14 43	1 43	18 49	17 46	0 43	1 21	20 1		n.a.
M22	11 46	27 21	4 54	15 32	1 51	16 34	1 21	16 39	1 6	21 50	0 26	22 46	0 30	5 19	0 32	14 43	1 43	18 50	17 46	0 43	1 20	19 58		n.a.
T 23	11 25	28 51	5 11	14 49	1 47	16 11	1 22	16 24	1 6	21 51	0 26	22 45	0 30	5 20	0 32	14 43	1 43	18 51	17 46	0 42	1 19	19 56		n.a.
W24	11 4	28 28	5 9	14 4	1 42	15 48	1 22	16 10	1 5	21 52	0 26	22 44	0 30	5 21	0 32	14 44	1 43	18 52	17 46	0 41	1 17	19 53		n.a.
T 25	10 42	26 5	4 47	13 17	1 37	15 24	1 23	15 55	1 5	21 53	0 26	22 44	0 30	5 22	0 32	14 44	1 43	18 52	17 47	0 39	1 16	19 51		n.a.
F 26	10 21	21 51	4 5	12 28	1 31	15 0	1 24	15 39	1 5	21 54	0 26	22 43	0 30	5 23	0 32	14 44	1 42	18 53	17 47	0 38	1 15	19 48		n.a.
S 27	9 59	16 8	3 5	11 38	1 24	14 35	1 24	15 24	1 5	21 55	0 26	22 42	0 30	5 24	0 32	14 45	1 42	18 54	17 47	0 36	1 14	19 45		n.a.
S 28	9s37	9n27	1n52	10s46	1s17	14s10	1s25	15s 9	1s 5	21s56	0n26	22s41	0s30	5n25	0s32	14n45	1s42	18n55	17n47	0n35	1n12	19s43		n.a.

Julian Day Number = 1631237.5, Delta T = 03h41m47s
Ecliptic obliquity = 23°43'40, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'44, Lahiri = - 7°21'44 Julian Calendar 1 Feb. 247 BCE == Greg. Calendar 28 Jan. 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

MARCH 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 17 46	6♓27'33	25♍31	7♓36	27♒43	23♒28	11♐ 6	20♉18	14♈54	14♉30	23°R18	1°D26	2♈57	16♒25	n.a.	M 1
T 2	10 21 42	7°26'36	10♎11	9°39	28°57	24°14	11°12	20°24	14°56	14°31	23♍17	1♈26	2°53	16°31	n.a.	T 2
W 3	10 25 39	8°25'37	24°27	11°42	0♓12	25° 1	11°17	20°29	14°59	14°32	23°15	1°27	2°50	16°38	n.a.	W 3
T 4	10 29 35	9°24'36	8♏16	13°46	1°26	25°47	11°23	20°35	15° 2	14°33	23°13	1°29	2°47	16°45	n.a.	T 4
F 5	10 33 32	10°23'34	21°37	15°51	2°40	26°33	11°28	20°40	15° 5	14°35	23°12	1°30	2°44	16°51	n.a.	F 5
S 6	10 37 28	11°22'30	4♐34	17°55	3°54	27°20	11°34	20°46	15° 8	14°36	23°10	1°31	2°41	16°58	n.a.	S 6
S 7	10 41 25	12°21'23	17°10	19°58	5° 8	28° 6	11°39	20°51	15°11	14°37	23° 8	1°R31	2°37	17° 5	n.a.	S 7
M 8	10 45 22	13°20'15	29°28	22° 1	6°23	28°52	11°44	20°57	15°14	14°38	23° 7	1°30	2°34	17°11	n.a.	M 8
T 9	10 49 18	14°19'05	11♑33	24° 4	7°37	29°39	11°49	21° 2	15°17	14°39	23° 5	1°29	2°31	17°18	n.a.	T 9
W10	10 53 15	15°17'54	23°29	26° 4	8°51	0♓25	11°53	21° 7	15°20	14°41	23° 3	1°26	2°28	17°25	n.a.	W10
T 11	10 57 11	16°16'40	5♒20	28° 4	10° 5	1°11	11°58	21°12	15°24	14°42	23° 2	1°24	2°25	17°32	n.a.	T 11
F 12	11 1 8	17°15'24	17° 9	0♈ 1	11°19	1°57	12° 2	21°17	15°27	14°43	23° 0	1°22	2°22	17°38	n.a.	F 12
S 13	11 5 4	18°14'07	28°59	1°56	12°34	2°43	12° 6	21°22	15°30	14°45	22°58	1°20	2°18	17°45	n.a.	S 13
S 14	11 9 1	19°12'47	10♓53	3°48	13°48	3°29	12°10	21°27	15°33	14°46	22°57	1°18	2°15	17°52	n.a.	S 14
M15	11 12 57	20°11'25	22°52	5°37	15° 2	4°15	12°14	21°32	15°36	14°48	22°55	1°18	2°12	17°58	n.a.	M15
T 16	11 16 54	21°10'02	4♈58	7°22	16°16	5° 1	12°18	21°37	15°39	14°49	22°53	1°D18	2° 9	18° 5	n.a.	T 16
W17	11 20 50	22° 8'36	17°14	9° 4	17°30	5°47	12°21	21°42	15°43	14°51	22°52	1°18	2° 6	18°12	n.a.	W17
T 18	11 24 47	23° 7'08	29°40	10°43	18°44	6°33	12°24	21°46	15°46	14°52	22°50	1°19	2° 3	18°18	n.a.	T 18
F 19	11 28 44	24° 5'38	12♉20	12°17	19°58	7°19	12°27	21°51	15°49	14°54	22°48	1°19	1°59	18°25	n.a.	F 19
S 20	11 32 40	25° 4'05	25°15	13°46	21°12	8° 5	12°30	21°55	15°52	14°55	22°47	1°20	1°56	18°32	n.a.	S 20
S 21	11 36 37	26° 2'31	8♊26	15°12	22°26	8°50	12°33	22° 0	15°56	14°57	22°45	1°21	1°53	18°38	n.a.	S 21
M22	11 40 33	27° 0'54	21°57	16°32	23°40	9°36	12°36	22° 4	15°59	14°58	22°43	1°R21	1°50	18°45	n.a.	M22
T 23	11 44 30	27°59'16	5♋47	17°48	24°54	10°22	12°38	22° 8	16° 2	15° 0	22°41	1°21	1°47	18°52	n.a.	T 23
W24	11 48 26	28°57'35	19°57	18°59	26° 8	11° 7	12°40	22°13	16° 6	15° 2	22°40	1°21	1°43	18°58	n.a.	W24
T 25	11 52 23	29°55'51	4♌24	20° 5	27°22	11°53	12°42	22°17	16° 9	15° 3	22°38	1°20	1°40	19° 5	n.a.	T 25
F 26	11 56 19	0♈54'06	19° 7	21° 6	28°36	12°39	12°44	22°21	16°12	15° 5	22°36	1°D20	1°37	19°12	n.a.	F 26
S 27	12 0 16	1°52'18	3♍58	22° 1	29°50	13°24	12°45	22°25	16°16	15° 7	22°35	1°20	1°34	19°18	n.a.	S 27
S 28	12 4 13	2°50'28	18°51	22°52	1♈ 4	14° 9	12°47	22°29	16°19	15° 9	22°33	1°20	1°31	19°25	n.a.	S 28
M29	12 8 9	3°48'37	3♎38	23°37	2°18	14°55	12°48	22°33	16°23	15°10	22°31	1°R20	1°28	19°32	n.a.	M29
T 30	12 12 6	4°46'43	18°12	24°16	3°32	15°40	12°49	22°36	16°26	15°12	22°30	1°20	1°24	19°38	n.a.	T 30
W31	12 16 2	5♈44'48	2♏28	24♈50	4♈46	16♓25	12♐50	22♉40	16♈29	15♉14	22♍28	1♈20	1♈21	19♒45	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	9s15	2n18	0n33	9s53	1s 9	13s44	1s25	14s53	1s 5	21s57	0n26	22s41	0s31	5n26	0s32	14n45	1s42	18n56	17n47	0n35	1n11	19s40			n.a.
T 2	8 53	4s49	0s48	8 59	1 1	13 18	1 25	14 37	1 5	21 58	0 26	22 40	0 31	5 28	0 32	14 46	1 42	18 57	17 48	0 35	1 10	19 37			n.a.
W 3	8 31	11 30	2 3	8 3	0 52	12 52	1 26	14 21	1 5	21 59	0 26	22 39	0 31	5 29	0 32	14 46	1 42	18 57	17 48	0 35	1 8	19 35			n.a.
T 4	8 8	17 24	3 9	7 7	0 43	12 26	1 26	14 5	1 5	21 59	0 26	22 38	0 31	5 30	0 32	14 46	1 42	18 58	17 48	0 36	1 7	19 32			n.a.
F 5	7 46	22 17	4 2	6 9	0 33	11 59	1 26	13 49	1 5	22 0	0 26	22 38	0 31	5 31	0 32	14 47	1 42	18 59	17 48	0 36	1 6	19 29			n.a.
S 6	7 23	25 55	4 41	5 11	0 23	11 32	1 26	13 33	1 4	22 1	0 26	22 37	0 31	5 32	0 32	14 47	1 42	19 0	17 48	0 37	1 5	19 27			n.a.
S 7	7 0	28 10	5 6	4 12	0 12	11 4	1 26	13 17	1 4	22 2	0 26	22 36	0 31	5 34	0 32	14 48	1 42	19 1	17 48	0 37	1 3	19 24			n.a.
M 8	6 38	28 59	5 15	3 13	0 1	10 36	1 26	13 0	1 4	22 2	0 26	22 35	0 31	5 35	0 32	14 48	1 42	19 1	17 48	0 36	1 2	19 21			n.a.
T 9	6 15	28 22	5 11	2 14	0n10	10 8	1 26	12 44	1 4	22 3	0 26	22 35	0 31	5 36	0 32	14 49	1 42	19 2	17 49	0 36	1 1	19 19			n.a.
W10	5 52	26 27	4 53	1 15	0 21	9 40	1 26	12 27	1 4	22 4	0 26	22 34	0 32	5 37	0 32	14 49	1 42	19 3	17 49	0 35	1 0	19 16			n.a.
T 11	5 29	23 24	4 22	0 17	0 33	9 12	1 25	12 10	1 4	22 4	0 26	22 33	0 32	5 38	0 32	14 49	1 42	19 4	17 49	0 34	0 58	19 13			n.a.
F 12	5 6	19 23	3 41	0n41	0 45	8 43	1 25	11 53	1 3	22 5	0 26	22 33	0 32	5 40	0 32	14 50	1 42	19 4	17 49	0 33	0 57	19 11			n.a.
S 13	4 42	14 36	2 49	1 38	0 56	8 14	1 25	11 37	1 3	22 6	0 26	22 32	0 32	5 41	0 32	14 50	1 42	19 5	17 49	0 32	0 56	19 8			n.a.
S 14	4 19	9 17	1 51	2 34	1 8	7 44	1 24	11 19	1 3	22 6	0 25	22 31	0 32	5 42	0 32	14 51	1 42	19 6	17 49	0 32	0 54	19 5			n.a.
M15	3 56	3 35	0 47	3 28	1 19	7 15	1 24	11 2	1 3	22 7	0 25	22 31	0 32	5 43	0 32	14 51	1 42	19 6	17 49	0 31	0 53	19 3			n.a.
T 16	3 33	2n18	0n20	4 20	1 30	6 45	1 23	10 45	1 3	22 7	0 25	22 30	0 32	5 45	0 32	14 52	1 41	19 7	17 49	0 31	0 52	19 0			n.a.
W17	3 9	8 11	1 27	5 11	1 41	6 16	1 23	10 28	1 2	22 8	0 25	22 29	0 32	5 46	0 32	14 52	1 41	19 8	17 49	0 31	0 51	18 57			n.a.
T 18	2 46	13 50	2 31	5 59	1 51	5 46	1 22	10 10	1 2	22 8	0 25	22 29	0 33	5 47	0 32	14 53	1 41	19 9	17 49	0 32	0 49	18 54			n.a.
F 19	2 22	19 1	3 28	6 46	2 1	5 16	1 21	9 53	1 2	22 9	0 25	22 28	0 33	5 48	0 32	14 53	1 41	19 9	17 49	0 32	0 48	18 52			n.a.
S 20	1 59	23 27	4 17	7 29	2 10	4 45	1 20	9 36	1 2	22 9	0 25	22 27	0 33	5 50	0 32	14 54	1 41	19 10	17 49	0 32	0 47	18 49			n.a.
S 21	1 35	26 47	4 52	8 11	2 19	4 15	1 19	9 18	1 1	22 9	0 25	22 27	0 33	5 51	0 32	14 54	1 41	19 11	17 49	0 32	0 45	18 46			n.a.
M22	1 12	28 41	5 13	8 50	2 27	3 44	1 19	9 0	1 1	22 10	0 25	22 26	0 33	5 52	0 32	14 55	1 41	19 11	17 49	0 32	0 44	18 43			n.a.
T 23	0 49	28 52	5 16	9 26	2 34	3 14	1 18	8 43	1 1	22 10	0 25	22 26	0 33	5 54	0 32	14 55	1 41	19 12	17 49	0 32	0 43	18 41			n.a.
W24	0 25	27 11	5 1	9 59	2 40	2 43	1 17	8 25	1 1	22 11	0 25	22 25	0 33	5 55	0 32	14 56	1 41	19 12	17 49	0 32	0 42	18 38			n.a.
T 25	0 2	23 41	4 26	10 29	2 46	2 12	1 15	8 7	1 0	22 11	0 25	22 25	0 33	5 56	0 32	14 56	1 41	19 13	17 49	0 32	0 40	18 35			n.a.
F 26	0n22	18 39	3 34	10 57	2 50	1 42	1 14	7 49	1 0	22 11	0 25	22 24	0 34	5 58	0 32	14 57	1 41	19 14	17 49	0 32	0 39	18 32			n.a.
S 27	0 45	12 26	2 26	11 21	2 54	1 11	1 13	7 31	1 0	22 11	0 25	22 24	0 34	5 59	0 32	14 57	1 41	19 14	17 49	0 32	0 38	18 30			n.a.
S 28	1 9	5 31	1 9	11 43	2 56	0 40	1 12	7 13	1 0	22 12	0 25	22 23	0 34	6 0	0 32	14 58	1 41	19 15	17 49	0 32	0 37	18 27			n.a.
M29	1 32	1s39	0s13	12 2	2 58	0 9	1 11	6 55	0 59	22 12	0 25	22 22	0 34	6 2	0 32	14 59	1 41	19 15	17 48	0 32	0 35	18 24			n.a.
T 30	1 55	8 38	1 32	12 17	2 59	0n22	1 9	6 37	0 59	22 12	0 25	22 22	0 34	6 3	0 32	14 59	1 41	19 16	17 48	0 32	0 34	18 21			n.a.
W31	2n19	15s 2	2s44	12n29	2n58	0n53	1s 8	6s19	0s59	22s12	0n25	22s22	0s34	6n 4	0s32	15n 0	1s41	19n17	17n48	0n32	0n33	18s19			n.a.

Julian Day Number = 1631265.5, Delta T = 03h41m46s
Ecliptic obliquity = 23°43'40, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'40, Lahiri = - 7°21'40 Julian Calendar 1 March 247 BCE == Greg. Calendar 25 Feb. 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

APRIL 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 19 59	6♈42'51	16♏20	25♈19	6♈ 0	17♓11	12♐51	22♑43	16♈33	15♉16	22°R27	1°R19	1♈18	19♒52	n.a.	T 1
F 2	12 23 55	7°40'53	29°47	25°42	7°14	17°56	12°51	22°47	16°36	15°18	22♏25	1♈19	1°15	19°59	n.a.	F 2
S 3	12 27 52	8°38'53	12♐50	26° 0	8°28	18°41	12°51	22°50	16°40	15°19	22°23	1°18	1°12	20° 5	n.a.	S 3
S 4	12 31 48	9°36'52	25°31	26°13	9°42	19°26	12°R52	22°54	16°43	15°21	22°22	1°17	1° 9	20°12	n.a.	S 4
M 5	12 35 45	10°34'49	7♑52	26°20	10°56	20°11	12°52	22°57	16°46	15°23	22°20	1°D17	1° 5	20°19	n.a.	M 5
T 6	12 39 42	11°32'45	19°59	26°R22	12°10	20°56	12°51	23° 0	16°50	15°25	22°19	1°17	1° 2	20°25	n.a.	T 6
W 7	12 43 38	12°30'39	1♒55	26°19	13°23	21°41	12°51	23° 3	16°53	15°27	22°17	1°18	0°59	20°32	n.a.	W 7
T 8	12 47 35	13°28'32	13°46	26°11	14°37	22°26	12°50	23° 6	16°57	15°29	22°15	1°19	0°56	20°39	n.a.	T 8
F 9	12 51 31	14°26'24	25°35	25°58	15°51	23°11	12°49	23° 9	17° 0	15°31	22°14	1°20	0°53	20°45	n.a.	F 9
S 10	12 55 28	15°24'14	7♓27	25°41	17° 5	23°56	12°48	23°12	17° 4	15°33	22°12	1°21	0°49	20°52	n.a.	S 10
S 11	12 59 24	16°22'03	19°25	25°20	18°19	24°40	12°47	23°14	17° 7	15°35	22°11	1°22	0°46	20°59	n.a.	S 11
M12	13 3 21	17°19'50	1♈33	24°55	19°33	25°25	12°46	23°17	17°11	15°37	22° 9	1°R22	0°43	21° 5	n.a.	M12
T 13	13 7 17	18°17'36	13°52	24°27	20°46	26°10	12°44	23°20	17°14	15°39	22° 8	1°22	0°40	21°12	n.a.	T 13
W14	13 11 14	19°15'20	26°24	23°57	22° 0	26°54	12°42	23°22	17°18	15°41	22° 6	1°21	0°37	21°19	n.a.	W14
T 15	13 15 11	20°13'03	9♉10	23°24	23°14	27°39	12°40	23°24	17°21	15°43	22° 5	1°19	0°34	21°25	n.a.	T 15
F 16	13 19 7	21°10'44	22°10	22°50	24°28	28°23	12°38	23°27	17°25	15°45	22° 4	1°16	0°30	21°32	n.a.	F 16
S 17	13 23 4	22° 8'24	5♊24	22°15	25°42	29° 8	12°36	23°29	17°28	15°47	22° 2	1°13	0°27	21°39	n.a.	S 17
S 18	13 27 0	23° 6'03	18°52	21°40	26°55	29°52	12°33	23°31	17°31	15°49	22° 1	1°10	0°24	21°45	n.a.	S 18
M19	13 30 57	24° 3'40	2♋33	21° 5	28° 9	0♈36	12°31	23°33	17°35	15°51	21°59	1° 8	0°21	21°52	n.a.	M19
T 20	13 34 53	25° 1'15	16°26	20°31	29°23	1°21	12°28	23°35	17°38	15°54	21°58	1° 7	0°18	21°59	n.a.	T 20
W21	13 38 50	25°58'48	0♌30	19°59	0♉37	2° 5	12°25	23°36	17°42	15°56	21°57	1°D 7	0°14	22° 5	n.a.	W21
T 22	13 42 46	26°56'20	14°44	19°29	1°50	2°49	12°22	23°38	17°45	15°58	21°55	1° 7	0°11	22°12	n.a.	T 22
F 23	13 46 43	27°53'50	29° 5	19° 1	3° 4	3°33	12°18	23°40	17°49	16° 0	21°54	1° 9	0° 8	22°19	n.a.	F 23
S 24	13 50 40	28°51'19	13♍32	18°36	4°18	4°17	12°15	23°41	17°52	16° 2	21°53	1°10	0° 5	22°25	n.a.	S 24
S 25	13 54 36	29°48'46	27°59	18°14	5°31	5° 1	12°11	23°42	17°55	16° 4	21°52	1°R11	0° 2	22°32	n.a.	S 25
M26	13 58 33	0♉46'12	12♎22	17°56	6°45	5°45	12° 7	23°44	17°59	16° 6	21°50	1°10	29♓59	22°39	n.a.	M26
T 27	14 2 29	1°43'37	26°37	17°42	7°59	6°29	12° 3	23°45	18° 2	16° 9	21°49	1° 9	29°55	22°45	n.a.	T 27
W28	14 6 26	2°41'01	10♏39	17°32	9°12	7°13	11°59	23°46	18° 6	16°11	21°48	1° 5	29°52	22°52	n.a.	W28
T 29	14 10 22	3°38'23	24°23	17°27	10°26	7°56	11°54	23°47	18° 9	16°13	21°47	1° 1	29°49	22°59	n.a.	T 29
F 30	14 14 19	4♉35'45	7♐47	17°D26	11♉40	8♈40	11♐50	23♑48	18♈12	16♉15	21♏46	0♈56	29♓46	23♒ 5	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n42	20s30	3s45	12n38	2n56	1n24	1s 6	6s 1	0s58	22s12	0n25	22s21	0s34	6n 6	0s32	15n 0	1s41	19n17	17n48	0n32	0n31	18s16		n.a.
F 2	3 5	24 45	4 30	12 44	2 53	1 55	1 5	5 43	0 58	22 12	0 25	22 21	0 34	6 7	0 32	15 1	1 41	19 18	17 48	0 32	0 30	18 13		n.a.
S 3	3 28	27 35	5 1	12 47	2 49	2 26	1 3	5 25	0 58	22 13	0 24	22 20	0 35	6 8	0 32	15 1	1 41	19 18	17 48	0 31	0 29	18 10		n.a.
S 4	3 51	28 54	5 15	12 47	2 44	2 57	1 2	5 7	0 57	22 13	0 24	22 20	0 35	6 10	0 32	15 2	1 41	19 19	17 48	0 31	0 28	18 7		n.a.
M 5	4 14	28 44	5 15	12 43	2 38	3 27	1 0	4 48	0 57	22 13	0 24	22 19	0 35	6 11	0 32	15 3	1 41	19 19	17 47	0 31	0 26	18 5		n.a.
T 6	4 37	27 10	5 0	12 37	2 30	3 58	0 58	4 30	0 57	22 13	0 24	22 19	0 35	6 12	0 32	15 3	1 41	19 20	17 47	0 31	0 25	18 2		n.a.
W 7	5 0	24 24	4 33	12 28	2 21	4 29	0 57	4 12	0 56	22 13	0 24	22 19	0 35	6 14	0 32	15 4	1 40	19 20	17 47	0 31	0 24	17 59		n.a.
T 8	5 23	20 38	3 54	12 15	2 11	4 59	0 55	3 54	0 56	22 13	0 24	22 18	0 35	6 15	0 32	15 4	1 40	19 20	17 47	0 32	0 22	17 56		n.a.
F 9	5 46	16 3	3 5	12 0	2 0	5 30	0 53	3 35	0 56	22 13	0 24	22 18	0 35	6 16	0 32	15 5	1 40	19 21	17 47	0 32	0 21	17 53		n.a.
S 10	6 8	10 52	2 9	11 42	1 47	6 0	0 51	3 17	0 55	22 13	0 24	22 17	0 36	6 18	0 32	15 6	1 40	19 21	17 46	0 33	0 20	17 51		n.a.
S 11	6 31	5 14	1 6	11 22	1 34	6 30	0 49	2 59	0 55	22 12	0 24	22 17	0 36	6 19	0 32	15 6	1 40	19 22	17 46	0 33	0 19	17 48		n.a.
M12	6 53	0n38	0n 1	11 0	1 20	7 1	0 47	2 41	0 55	22 12	0 24	22 17	0 36	6 20	0 32	15 7	1 40	19 22	17 46	0 33	0 17	17 45		n.a.
T 13	7 15	6 35	1 9	10 35	1 5	7 31	0 45	2 22	0 54	22 12	0 24	22 17	0 36	6 22	0 32	15 7	1 40	19 22	17 46	0 33	0 16	17 42		n.a.
W14	7 38	12 23	2 14	10 9	0 49	8 0	0 43	2 4	0 54	22 12	0 24	22 16	0 36	6 23	0 32	15 8	1 40	19 23	17 45	0 32	0 15	17 39		n.a.
T 15	8 0	17 46	3 14	9 42	0 33	8 30	0 41	1 46	0 53	22 12	0 24	22 16	0 36	6 24	0 32	15 9	1 40	19 23	17 45	0 32	0 13	17 36		n.a.
F 16	8 22	22 28	4 5	9 14	0 16	8 59	0 39	1 27	0 53	22 12	0 24	22 16	0 36	6 26	0 32	15 9	1 40	19 23	17 45	0 31	0 12	17 33		n.a.
S 17	8 43	26 6	4 43	8 45	0s 1	9 28	0 37	1 9	0 53	22 11	0 24	22 16	0 37	6 27	0 32	15 10	1 40	19 24	17 44	0 29	0 11	17 31		n.a.
S 18	9 5	28 21	5 7	8 16	0 19	9 57	0 35	0 51	0 52	22 11	0 23	22 15	0 37	6 28	0 32	15 11	1 40	19 24	17 44	0 28	0 10	17 28		n.a.
M19	9 27	28 56	5 14	7 46	0 36	10 26	0 33	0 33	0 52	22 11	0 23	22 15	0 37	6 30	0 32	15 11	1 40	19 24	17 44	0 27	0 8	17 25		n.a.
T 20	9 48	27 43	5 3	7 18	0 53	10 55	0 30	0 15	0 51	22 11	0 23	22 15	0 37	6 31	0 32	15 12	1 40	19 24	17 43	0 27	0 7	17 22		n.a.
W21	10 9	24 45	4 34	6 50	1 9	11 23	0 28	0n 4	0 51	22 10	0 23	22 15	0 37	6 32	0 32	15 13	1 40	19 25	17 43	0 27	0 6	17 19		n.a.
T 22	10 30	20 14	3 48	6 24	1 25	11 51	0 26	0 22	0 50	22 10	0 23	22 15	0 37	6 34	0 32	15 13	1 40	19 25	17 43	0 27	0 5	17 16		n.a.
F 23	10 51	14 32	2 47	5 59	1 41	12 19	0 24	0 40	0 50	22 10	0 23	22 14	0 37	6 35	0 32	15 14	1 40	19 25	17 42	0 28	0 3	17 13		n.a.
S 24	11 12	8 1	1 35	5 36	1 55	12 46	0 21	0 58	0 50	22 9	0 23	22 14	0 38	6 36	0 32	15 14	1 40	19 25	17 42	0 28	0 2	17 11		n.a.
S 25	11 32	1 5	0 18	5 15	2 9	13 13	0 19	1 16	0 49	22 9	0 23	22 14	0 38	6 38	0 32	15 15	1 40	19 25	17 42	0 28	0 1	17 8		n.a.
M26	11 53	5s53	1s 1	4 56	2 22	13 40	0 17	1 34	0 49	22 8	0 23	22 14	0 38	6 39	0 32	15 16	1 40	19 26	17 41	0 28	0s 1	17 5		n.a.
T 27	12 13	12 29	2 15	4 39	2 34	14 7	0 14	1 52	0 48	22 8	0 23	22 14	0 38	6 40	0 32	15 16	1 40	19 26	17 41	0 28	0 2	17 2		n.a.
W28	12 33	18 21	3 19	4 25	2 45	14 33	0 12	2 10	0 48	22 7	0 23	22 14	0 38	6 42	0 32	15 17	1 40	19 26	17 41	0 26	0 3	16 59		n.a.
T 29	12 53	23 8	4 10	4 14	2 55	14 58	0 10	2 28	0 47	22 7	0 23	22 14	0 38	6 43	0 32	15 18	1 40	19 26	17 40	0 24	0 4	16 56		n.a.
F 30	13n12	26s35	4s47	4n 6	3s 4	15n24	0s 7	2n46	0s47	22s 6	0n22	22s14	0s38	6n44	0s32	15n18	1s40	19n26	17n40	0n22	0s 6	16s53		n.a.

Julian Day Number = 1631296.5, Delta T = 03h41m45s
Ecliptic obliquity = 23°43'40, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'36, Lahiri = - 7°21'36 Julian Calendar 1 Apr. 247 BCE == Greg. Calendar 28 March 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

MAY 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 18 15	5♉33'06	20♐49	17♈29	12♉53	9♈24	11°R45	23♏49	18♈16	16♉17	21°R45	0°R50	29♓43	23♒12	n.a.	S 1
S 2	14 22 12	6°30'26	3♏30	17°37	14° 7	10° 7	11♐40	23°49	18°19	16°20	21♍43	0♈46	29°40	23°19	n.a.	S 2
M 3	14 26 9	7°27'45	15°53	17°49	15°21	10°51	11°35	23°50	18°22	16°22	21°42	0°42	29°36	23°25	n.a.	M 3
T 4	14 30 5	8°25'04	28° 1	18° 6	16°34	11°34	11°30	23°51	18°26	16°24	21°41	0°40	29°33	23°32	n.a.	T 4
W 5	14 34 2	9°22'22	9♒58	18°27	17°48	12°18	11°25	23°51	18°29	16°26	21°40	0°D39	29°30	23°39	n.a.	W 5
T 6	14 37 58	10°19'40	21°49	18°53	19° 2	13° 1	11°19	23°51	18°32	16°28	21°39	0°40	29°27	23°45	n.a.	T 6
F 7	14 41 55	11°16'56	3♓40	19°23	20°15	13°44	11°14	23°52	18°36	16°31	21°38	0°41	29°24	23°52	n.a.	F 7
S 8	14 45 51	12°14'12	15°34	19°57	21°29	14°28	11° 8	23°52	18°39	16°33	21°38	0°43	29°20	23°59	n.a.	S 8
S 9	14 49 48	13°11'28	27°36	20°35	22°42	15°11	11° 2	23°R52	18°42	16°35	21°37	0°R44	29°17	24° 6	n.a.	S 9
M10	14 53 44	14° 8'43	9♈52	21°18	23°56	15°54	10°56	23°52	18°45	16°37	21°36	0°43	29°14	24°12	n.a.	M10
T 11	14 57 41	15° 5'58	22°23	22° 4	25°10	16°37	10°50	23°51	18°48	16°40	21°35	0°41	29°11	24°19	n.a.	T 11
W12	15 1 38	16° 3'11	5♉11	22°54	26°23	17°20	10°44	23°51	18°52	16°42	21°34	0°37	29° 8	24°26	n.a.	W12
T 13	15 5 34	17° 0'25	18°18	23°48	27°37	18° 3	10°38	23°51	18°55	16°44	21°33	0°31	29° 5	24°32	n.a.	T 13
F 14	15 9 31	17°57'38	1♊42	24°45	28°50	18°46	10°31	23°50	18°58	16°46	21°33	0°24	29° 1	24°39	n.a.	F 14
S 15	15 13 27	18°54'50	15°21	25°47	0♊ 4	19°29	10°25	23°50	19° 1	16°49	21°32	0°16	28°58	24°46	n.a.	S 15
S 16	15 17 24	19°52'02	29°13	26°51	1°17	20°11	10°18	23°49	19° 4	16°51	21°31	0° 8	28°55	24°52	n.a.	S 16
M17	15 21 20	20°49'13	13♋14	28° 0	2°31	20°54	10°11	23°48	19° 7	16°53	21°31	0° 2	28°52	24°59	n.a.	M17
T 18	15 25 17	21°46'23	27°20	29°11	3°45	21°37	10° 4	23°47	19°10	16°55	21°30	29♓57	28°49	25° 6	n.a.	T 18
W19	15 29 13	22°43'32	11♌30	0♉26	4°58	22°19	9°57	23°47	19°13	16°58	21°29	29°55	28°46	25°12	n.a.	W19
T 20	15 33 10	23°40'41	25°40	1°45	6°12	23° 2	9°50	23°45	19°16	17° 0	21°29	29°D55	28°42	25°19	n.a.	T 20
F 21	15 37 7	24°37'49	9♍49	3° 6	7°25	23°44	9°43	23°44	19°19	17° 2	21°28	29°55	28°39	25°26	n.a.	F 21
S 22	15 41 3	25°34'56	23°56	4°31	8°39	24°27	9°36	23°43	19°22	17° 4	21°28	29°R56	28°36	25°32	n.a.	S 22
S 23	15 45 0	26°32'02	7♎59	6° 0	9°52	25° 9	9°29	23°42	19°25	17° 6	21°27	29°56	28°33	25°39	n.a.	S 23
M24	15 48 56	27°29'08	21°57	7°31	11° 6	25°51	9°21	23°40	19°28	17° 9	21°27	29°54	28°30	25°46	n.a.	M24
T 25	15 52 53	28°26'14	5♏46	9° 6	12°19	26°34	9°14	23°39	19°31	17°11	21°26	29°50	28°26	25°52	n.a.	T 25
W26	15 56 49	29°23'19	19°26	10°43	13°33	27°16	9° 7	23°37	19°34	17°13	21°26	29°43	28°23	25°59	n.a.	W26
T 27	16 0 46	0♊20'25	2♐51	12°24	14°46	27°58	8°59	23°35	19°37	17°15	21°26	29°34	28°20	26° 6	n.a.	T 27
F 28	16 4 43	1°17'30	16° 2	14° 8	15°59	28°40	8°52	23°34	19°39	17°17	21°25	29°24	28°17	26°12	n.a.	F 28
S 29	16 8 39	2°14'35	28°55	15°55	17°13	29°22	8°44	23°32	19°42	17°20	21°25	29°13	28°14	26°19	n.a.	S 29
S 30	16 12 36	3°11'40	11♏31	17°45	18°26	0♉ 4	8°36	23°30	19°45	17°22	21°25	29° 3	28°11	26°26	n.a.	S 30
M31	16 16 32	4♊ 8'45	23♏51	19♉37	19♊40	0♉46	8♐29	23♏28	19♈48	17♉24	21♍25	28♓55	28♓ 7	26♒32	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n32	28s30	5s 7	4n 0	3s12	15n49	0s 5	3n 3	0s46	22s 6	0n22	22s14	0s39	6n46	0s32	15n19	1s40	19n26	17n39	0n20	0s 7	16s50		n.a.
S 2	13 51	28 52	5 11	3 56	3 19	16 14	0 3	3 21	0 46	22 5	0 22	22 14	0 39	6 47	0 32	15 20	1 40	19 26	17 39	0 18	0 8	16 47		n.a.
M 3	14 10	27 44	5 1	3 56	3 24	16 38	0 0	3 39	0 45	22 5	0 22	22 14	0 39	6 48	0 32	15 20	1 40	19 26	17 39	0 17	0 10	16 44		n.a.
T 4	14 29	25 19	4 37	3 58	3 29	17 2	0n 2	3 56	0 45	22 4	0 22	22 14	0 39	6 49	0 32	15 21	1 40	19 26	17 38	0 16	0 11	16 41		n.a.
W 5	14 47	21 50	4 1	4 3	3 32	17 25	0 5	4 14	0 44	22 4	0 22	22 14	0 39	6 51	0 32	15 22	1 40	19 26	17 38	0 16	0 12	16 39		n.a.
T 6	15 6	17 29	3 16	4 11	3 35	17 48	0 7	4 32	0 44	22 3	0 22	22 14	0 39	6 52	0 32	15 22	1 40	19 26	17 37	0 16	0 13	16 36		n.a.
F 7	15 24	12 29	2 22	4 20	3 36	18 10	0 9	4 49	0 43	22 2	0 22	22 14	0 39	6 53	0 32	15 23	1 40	19 26	17 37	0 17	0 15	16 33		n.a.
S 8	15 42	7 0	1 21	4 33	3 37	18 32	0 12	5 6	0 43	22 1	0 22	22 15	0 40	6 54	0 32	15 24	1 40	19 26	17 36	0 17	0 16	16 30		n.a.
S 9	15 59	1 13	0 17	4 48	3 37	18 54	0 14	5 24	0 42	22 1	0 22	22 15	0 40	6 56	0 32	15 24	1 40	19 26	17 36	0 18	0 17	16 27		n.a.
M10	16 17	4n42	0n49	5 5	3 36	19 15	0 17	5 41	0 42	22 0	0 21	22 15	0 40	6 57	0 32	15 25	1 40	19 26	17 35	0 17	0 18	16 24		n.a.
T 11	16 34	10 35	1 55	5 24	3 33	19 36	0 19	5 58	0 41	21 59	0 21	22 15	0 40	6 58	0 32	15 26	1 40	19 26	17 35	0 17	0 20	16 21		n.a.
W12	16 50	16 9	2 55	5 45	3 31	19 56	0 21	6 15	0 41	21 59	0 21	22 15	0 40	6 59	0 32	15 26	1 40	19 26	17 34	0 15	0 21	16 18		n.a.
T 13	17 7	21 8	3 48	6 8	3 27	20 15	0 24	6 32	0 40	21 58	0 21	22 15	0 40	7 0	0 32	15 27	1 40	19 26	17 34	0 12	0 22	16 15		n.a.
F 14	17 23	25 9	4 30	6 34	3 23	20 34	0 26	6 49	0 40	21 57	0 21	22 16	0 41	7 2	0 32	15 27	1 40	19 26	17 33	0 10	0 24	16 12		n.a.
S 15	17 39	27 50	4 57	7 1	3 18	20 52	0 28	7 6	0 39	21 56	0 21	22 16	0 41	7 3	0 32	15 28	1 40	19 25	17 33	0 6	0 25	16 9		n.a.
S 16	17 55	28 50	5 7	7 30	3 12	21 10	0 31	7 23	0 39	21 55	0 21	22 16	0 41	7 4	0 32	15 29	1 40	19 25	17 32	0 3	0 26	16 6		n.a.
M17	18 11	28 1	4 59	8 0	3 5	21 27	0 33	7 40	0 38	21 54	0 21	22 16	0 41	7 5	0 32	15 29	1 40	19 25	17 32	0 1	0 27	16 3		n.a.
T 18	18 26	25 24	4 33	8 32	2 58	21 44	0 35	7 57	0 38	21 53	0 20	22 17	0 41	7 6	0 32	15 30	1 40	19 25	17 31	0s 1	0 29	16 0		n.a.
W19	18 41	21 13	3 50	9 6	2 51	22 0	0 38	8 13	0 37	21 53	0 20	22 17	0 41	7 8	0 32	15 31	1 40	19 25	17 31	0 2	0 30	15 57		n.a.
T 20	18 55	15 50	2 53	9 41	2 43	22 15	0 40	8 30	0 37	21 52	0 20	22 17	0 41	7 9	0 32	15 31	1 40	19 24	17 30	0 2	0 31	15 54		n.a.
F 21	19 9	9 37	1 46	10 17	2 34	22 30	0 42	8 46	0 36	21 51	0 20	22 18	0 42	7 10	0 32	15 32	1 40	19 24	17 30	0 2	0 33	15 51		n.a.
S 22	19 23	2 56	0 32	10 55	2 25	22 44	0 44	9 2	0 35	21 50	0 20	22 18	0 42	7 11	0 32	15 33	1 40	19 24	17 29	0 2	0 34	15 48		n.a.
S 23	19 37	3s52	0s43	11 33	2 15	22 58	0 47	9 18	0 35	21 49	0 20	22 19	0 42	7 12	0 32	15 33	1 40	19 23	17 29	0 2	0 35	15 45		n.a.
M24	19 50	10 25	1 55	12 13	2 5	23 11	0 49	9 35	0 34	21 48	0 20	22 19	0 42	7 13	0 32	15 34	1 40	19 23	17 28	0 2	0 36	15 42		n.a.
T 25	20 3	16 25	2 59	12 53	1 55	23 23	0 51	9 51	0 34	21 47	0 20	22 19	0 42	7 14	0 32	15 34	1 40	19 23	17 28	0 4	0 38	15 39		n.a.
W26	20 16	21 31	3 52	13 34	1 44	23 34	0 53	10 6	0 33	21 46	0 19	22 20	0 42	7 15	0 32	15 35	1 40	19 22	17 27	0 7	0 39	15 36		n.a.
T 27	20 28	25 25	4 32	14 16	1 33	23 45	0 55	10 22	0 33	21 45	0 19	22 20	0 42	7 16	0 32	15 36	1 40	19 22	17 27	0 10	0 40	15 33		n.a.
F 28	20 40	27 53	4 55	14 58	1 22	23 55	0 57	10 38	0 32	21 44	0 19	22 21	0 43	7 17	0 32	15 36	1 40	19 22	17 26	0 15	0 41	15 30		n.a.
S 29	20 52	28 47	5 3	15 41	1 10	24 5	0 59	10 54	0 31	21 43	0 19	22 21	0 43	7 18	0 32	15 37	1 40	19 21	17 25	0 19	0 43	15 27		n.a.
S 30	21 3	28 9	4 56	16 23	0 59	24 14	1 1	11 9	0 31	21 42	0 19	22 22	0 43	7 20	0 32	15 38	1 40	19 21	17 25	0 23	0 44	15 24		n.a.
M31	21n14	26s 7	4s36	17n 6	0s47	24n22	1n 3	11n24	0s30	21s41	0n19	22s22	0s43	7n21	0s32	15n38	1s40	19n20	17n24	0s26	0s45	15s21		n.a.

Julian Day Number = 1631326.5, Delta T = 03h41m44s
Ecliptic obliquity = 23°43'40, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'32, Lahiri = - 7°21'32 Julian Calendar 1 May 247 BCE == Greg. Calendar 27 Apr. 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

JUNE 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 20 29	5♊ 5'51	5♒58	21♉32	20♊53	1♉27	8°R21	23°R26	19♈50	17♉26	21°R25	28°R49	28♓ 4	26♒39	n.a.	T 1
W 2	16 24 25	6° 2'56	17°54	23°30	22° 7	2° 9	8♐13	23♑23	19°53	17°28	21♏24	28♓45	28° 1	26°46	n.a.	W 2
T 3	16 28 22	7° 0'02	29°44	25°30	23°20	2°51	8° 6	23°21	19°56	17°30	21°24	28°44	27°58	26°52	n.a.	T 3
F 4	16 32 18	7°57'08	11♓34	27°32	24°33	3°33	7°58	23°19	19°58	17°33	21°24	28°D44	27°55	26°59	n.a.	F 4
S 5	16 36 15	8°54'15	23°29	29°36	25°47	4°14	7°50	23°16	20° 1	17°35	21°24	28°R44	27°52	27° 6	n.a.	S 5
S 6	16 40 12	9°51'22	5♈33	1♊42	27° 0	4°56	7°43	23°14	20° 3	17°37	21°D24	28°44	27°48	27°12	n.a.	S 6
M 7	16 44 8	10°48'29	17°53	3°48	28°14	5°37	7°35	23°11	20° 6	17°39	21°24	28°42	27°45	27°19	n.a.	M 7
T 8	16 48 5	11°45'37	0♉31	5°56	29°27	6°18	7°27	23° 8	20° 8	17°41	21°24	28°39	27°42	27°26	n.a.	T 8
W 9	16 52 1	12°42'46	13°31	8° 5	0♋41	7° 0	7°20	23° 5	20°11	17°43	21°24	28°32	27°39	27°32	n.a.	W 9
T 10	16 55 58	13°39'54	26°55	10°14	1°54	7°41	7°12	23° 3	20°13	17°45	21°25	28°24	27°36	27°39	n.a.	T 10
F 11	16 59 54	14°37'04	10♊40	12°24	3° 7	8°22	7° 4	23° 0	20°15	17°47	21°25	28°13	27°32	27°46	n.a.	F 11
S 12	17 3 51	15°34'14	24°45	14°33	4°21	9° 3	6°57	22°57	20°18	17°49	21°25	28° 2	27°29	27°52	n.a.	S 12
S 13	17 7 47	16°31'24	9♋ 3	16°42	5°34	9°44	6°49	22°53	20°20	17°51	21°25	27°51	27°26	27°59	n.a.	S 13
M14	17 11 44	17°28'34	23°29	18°50	6°47	10°25	6°42	22°50	20°22	17°53	21°25	27°42	27°23	28° 6	n.a.	M14
T 15	17 15 41	18°25'45	7♌57	20°58	8° 1	11° 6	6°34	22°47	20°24	17°55	21°26	27°35	27°20	28°12	n.a.	T 15
W16	17 19 37	19°22'56	22°21	23° 4	9°14	11°47	6°27	22°44	20°26	17°57	21°26	27°30	27°17	28°19	n.a.	W16
T 17	17 23 34	20°20'07	6♍38	25° 9	10°27	12°28	6°20	22°40	20°29	17°59	21°26	27°28	27°13	28°26	n.a.	T 17
F 18	17 27 30	21°17'18	20°46	27°13	11°41	13° 9	6°13	22°37	20°31	18° 1	21°27	27°28	27°10	28°32	n.a.	F 18
S 19	17 31 27	22°14'29	4♎44	29°16	12°54	13°49	6° 5	22°33	20°33	18° 3	21°27	27°28	27° 7	28°39	n.a.	S 19
S 20	17 35 23	23°11'41	18°31	1♋17	14° 7	14°30	5°58	22°30	20°35	18° 5	21°28	27°27	27° 4	28°46	n.a.	S 20
M21	17 39 20	24° 8'53	2♏ 8	3°17	15°21	15°11	5°51	22°26	20°37	18° 7	21°28	27°24	27° 1	28°52	n.a.	M21
T 22	17 43 17	25° 6'06	15°35	5°15	16°34	15°51	5°44	22°22	20°39	18° 9	21°29	27°18	26°58	28°59	n.a.	T 22
W23	17 47 13	26° 3'19	28°51	7°11	17°47	16°31	5°38	22°19	20°40	18°11	21°29	27°10	26°54	29° 6	n.a.	W23
T 24	17 51 10	27° 0'33	11♐55	9° 6	19° 0	17°12	5°31	22°15	20°42	18°13	21°30	26°59	26°51	29°12	n.a.	T 24
F 25	17 55 6	27°57'48	24°47	10°59	20°14	17°52	5°24	22°11	20°44	18°14	21°31	26°46	26°48	29°19	n.a.	F 25
S 26	17 59 3	28°55'03	7♑25	12°50	21°27	18°32	5°18	22° 7	20°46	18°16	21°31	26°33	26°45	29°26	n.a.	S 26
S 27	18 2 59	29°52'20	19°50	14°40	22°40	19°12	5°12	22° 3	20°47	18°18	21°32	26°21	26°42	29°32	n.a.	S 27
M28	18 6 56	0♋49'37	2♒ 3	16°28	23°53	19°52	5° 5	21°59	20°49	18°20	21°33	26°10	26°38	29°39	n.a.	M28
T 29	18 10 52	1°46'55	14° 4	18°14	25° 6	20°33	4°59	21°55	20°51	18°21	21°33	26° 2	26°35	29°46	n.a.	T 29
W30	18 14 49	2♋44'15	25♒57	19♋59	26♋20	21♉12	4♐53	21♑51	20♈52	18♉23	21♏34	25♓57	26♓32	29♒52	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21n24	22s55	4s 3	17n48	0s35	24n29	1n 5	11n40	0s30	21s39	0n19	22s23	0s43	7n22	0s32	15n39	1s40	19n20	17n24	0s29	0s47	15s18			n.a.
W 2	21 35	18 49	3 19	18 29	0 24	24 36	1 7	11 55	0 29	21 38	0 18	22 23	0 43	7 23	0 32	15 39	1 40	19 20	17 23	0 30	0 48	15 15			n.a.
T 3	21 44	14 0	2 28	19 10	0 12	24 42	1 8	12 10	0 28	21 37	0 18	22 24	0 43	7 24	0 32	15 40	1 40	19 19	17 23	0 31	0 49	15 12			n.a.
F 4	21 54	8 42	1 30	19 50	0 1	24 47	1 10	12 25	0 28	21 36	0 18	22 24	0 44	7 25	0 32	15 41	1 40	19 19	17 22	0 31	0 50	15 9			n.a.
S 5	22 3	3 3	0 28	20 28	0n10	24 51	1 12	12 40	0 27	21 35	0 18	22 25	0 44	7 25	0 32	15 41	1 40	19 18	17 22	0 31	0 52	15 6			n.a.
S 6	22 12	2n47	0n36	21 5	0 21	24 55	1 13	12 54	0 26	21 34	0 18	22 25	0 44	7 26	0 32	15 42	1 40	19 18	17 21	0 31	0 53	15 3			n.a.
M 7	22 20	8 38	1 40	21 41	0 31	24 58	1 15	13 9	0 26	21 33	0 18	22 26	0 44	7 27	0 32	15 42	1 40	19 17	17 20	0 31	0 54	15 0			n.a.
T 8	22 28	14 17	2 40	22 14	0 41	25 0	1 16	13 23	0 25	21 32	0 17	22 27	0 44	7 28	0 32	15 43	1 40	19 17	17 20	0 33	0 56	14 57			n.a.
W 9	22 36	19 29	3 34	22 45	0 51	25 2	1 18	13 38	0 25	21 31	0 17	22 27	0 44	7 29	0 32	15 43	1 40	19 16	17 19	0 35	0 57	14 54			n.a.
T 10	22 43	23 52	4 17	23 14	0 59	25 2	1 19	13 52	0 24	21 30	0 17	22 28	0 44	7 30	0 32	15 44	1 40	19 15	17 19	0 39	0 58	14 51			n.a.
F 11	22 50	27 3	4 47	23 40	1 7	25 2	1 21	14 6	0 23	21 28	0 17	22 28	0 45	7 31	0 32	15 45	1 40	19 15	17 18	0 43	0 59	14 48			n.a.
S 12	22 56	28 38	5 0	24 4	1 15	25 1	1 22	14 20	0 23	21 27	0 17	22 29	0 45	7 32	0 32	15 45	1 40	19 14	17 18	0 48	1 1	14 45			n.a.
S 13	23 2	28 19	4 55	24 25	1 22	25 0	1 23	14 34	0 22	21 26	0 17	22 30	0 45	7 33	0 32	15 46	1 40	19 14	17 17	0 52	1 2	14 42			n.a.
M14	23 8	26 7	4 31	24 43	1 28	24 58	1 25	14 47	0 21	21 25	0 16	22 30	0 45	7 33	0 32	15 46	1 40	19 13	17 16	0 56	1 3	14 38			n.a.
T 15	23 13	22 12	3 50	24 58	1 33	24 54	1 26	15 1	0 21	21 24	0 16	22 31	0 45	7 34	0 32	15 47	1 40	19 12	17 16	0 58	1 4	14 35			n.a.
W16	23 18	16 58	2 54	25 11	1 38	24 51	1 27	15 14	0 20	21 23	0 16	22 32	0 45	7 35	0 32	15 47	1 40	19 12	17 15	1 0	1 6	14 32			n.a.
T 17	23 22	10 51	1 48	25 20	1 42	24 46	1 28	15 27	0 19	21 22	0 16	22 33	0 45	7 36	0 32	15 48	1 40	19 11	17 15	1 1	1 7	14 29			n.a.
F 18	23 26	4 14	0 35	25 27	1 45	24 41	1 29	15 41	0 19	21 21	0 16	22 33	0 46	7 37	0 32	15 48	1 40	19 10	17 14	1 1	1 8	14 26			n.a.
S 19	23 30	2s29	0s38	25 31	1 48	24 35	1 30	15 54	0 18	21 20	0 16	22 34	0 46	7 37	0 32	15 49	1 40	19 10	17 13	1 1	1 10	14 23			n.a.
S 20	23 33	9 1	1 49	25 33	1 50	24 28	1 31	16 6	0 17	21 19	0 15	22 35	0 46	7 38	0 32	15 49	1 40	19 9	17 13	1 2	1 11	14 20			n.a.
M21	23 36	15 3	2 52	25 32	1 51	24 21	1 31	16 19	0 17	21 17	0 15	22 35	0 46	7 39	0 32	15 50	1 40	19 8	17 12	1 3	1 12	14 17			n.a.
T 22	23 38	20 17	3 45	25 29	1 51	24 13	1 32	16 32	0 16	21 16	0 15	22 36	0 46	7 40	0 32	15 50	1 40	19 7	17 12	1 5	1 13	14 14			n.a.
W23	23 40	24 26	4 25	25 23	1 51	24 4	1 33	16 44	0 15	21 15	0 15	22 37	0 46	7 40	0 32	15 51	1 40	19 7	17 11	1 8	1 15	14 11			n.a.
T 24	23 42	27 16	4 50	25 15	1 51	23 54	1 33	16 56	0 15	21 14	0 15	22 38	0 46	7 41	0 32	15 51	1 40	19 6	17 11	1 13	1 16	14 8			n.a.
F 25	23 43	28 37	5 0	25 5	1 49	23 44	1 34	17 8	0 14	21 13	0 15	22 38	0 46	7 42	0 32	15 52	1 40	19 5	17 10	1 18	1 17	14 4			n.a.
S 26	23 43	28 25	4 55	24 53	1 47	23 33	1 34	17 20	0 13	21 12	0 14	22 39	0 47	7 42	0 32	15 52	1 40	19 4	17 9	1 23	1 19	14 1			n.a.
S 27	23 44	26 47	4 36	24 39	1 45	23 21	1 35	17 32	0 13	21 11	0 14	22 40	0 47	7 43	0 32	15 53	1 40	19 4	17 9	1 28	1 20	13 58			n.a.
M28	23 43	23 54	4 4	24 23	1 42	23 9	1 35	17 44	0 12	21 10	0 14	22 41	0 47	7 44	0 32	15 53	1 40	19 3	17 8	1 32	1 21	13 55			n.a.
T 29	23 43	20 1	3 22	24 6	1 39	22 56	1 35	17 55	0 11	21 9	0 14	22 42	0 47	7 44	0 32	15 54	1 40	19 2	17 8	1 36	1 22	13 52			n.a.
W30	23n42	15s23	2s31	23n47	1n35	22n42	1n35	18n 7	0s10	21s 8	0n14	22s42	0s47	7n45	0s32	15n54	1s40	19n 1	17n 7	1s38	1s24	13s49			n.a.

Julian Day Number = 1631357.5, Delta T = 03h41m43s
Ecliptic obliquity = 23°43'39, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'28, Lahiri = - 7°21'27 Julian Calendar 1 June 247 BCE == Greg. Calendar 28 May 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

JULY 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 18 46	3♋41'35	7♓46	21♋41	27♋33	21♉52	4°R47	21°R47	20♈54	18♉25	21♍35	25°R54	26♓29	29♒59	n.a.	T 1
F 2	18 22 42	4°38'57	19°34	23°23	28°46	22°32	4♐41	21♑43	20°55	18°27	21°36	25♓53	26°26	0♓ 6	n.a.	F 2
S 3	18 26 39	5°36'20	1♈28	25° 2	29°59	23°12	4°36	21°38	20°57	18°28	21°37	25°53	26°23	0°12	n.a.	S 3
S 4	18 30 35	6°33'44	13°32	26°40	1♌12	23°52	4°30	21°34	20°58	18°30	21°38	25°52	26°19	0°19	n.a.	S 4
M 5	18 34 32	7°31'10	25°51	28°16	2°25	24°31	4°25	21°30	21° 0	18°31	21°39	25°51	26°16	0°25	n.a.	M 5
T 6	18 38 28	8°28'37	8♉31	29°51	3°38	25°11	4°20	21°26	21° 1	18°33	21°40	25°48	26°13	0°32	n.a.	T 6
W 7	18 42 25	9°26'06	21°36	1♌24	4°51	25°50	4°15	21°21	21° 2	18°35	21°41	25°42	26°10	0°39	n.a.	W 7
T 8	18 46 21	10°23'36	5♊ 8	2°55	6° 4	26°30	4°10	21°17	21° 3	18°36	21°42	25°35	26° 7	0°45	n.a.	T 8
F 9	18 50 18	11°21'07	19° 6	4°25	7°17	27° 9	4° 5	21°13	21° 4	18°38	21°43	25°25	26° 4	0°52	n.a.	F 9
S 10	18 54 15	12°18'40	3♋27	5°53	8°31	27°49	4° 0	21° 8	21° 6	18°39	21°44	25°14	26° 0	0°59	n.a.	S 10
S 11	18 58 11	13°16'14	18° 7	7°19	9°44	28°28	3°56	21° 4	21° 7	18°41	21°45	25° 3	25°57	1° 5	n.a.	S 11
M12	19 2 8	14°13'49	2♌57	8°44	10°57	29° 7	3°51	20°59	21° 8	18°42	21°46	24°54	25°54	1°12	n.a.	M12
T 13	19 6 4	15°11'26	17°48	10° 6	12°10	29°46	3°47	20°55	21° 9	18°44	21°48	24°48	25°51	1°19	n.a.	T 13
W14	19 10 1	16° 9'04	2♍33	11°27	13°23	0♊25	3°43	20°50	21°10	18°45	21°49	24°44	25°48	1°25	n.a.	W14
T 15	19 13 57	17° 6'42	17° 6	12°46	14°35	1° 4	3°40	20°46	21°10	18°46	21°50	24°42	25°44	1°32	n.a.	T 15
F 16	19 17 54	18° 4'22	1♎24	14° 4	15°48	1°43	3°36	20°41	21°11	18°48	21°51	24°D42	25°41	1°39	n.a.	F 16
S 17	19 21 51	19° 2'03	15°23	15°19	17° 1	2°22	3°33	20°37	21°12	18°49	21°53	24°R42	25°38	1°45	n.a.	S 17
S 18	19 25 47	19°59'45	29° 5	16°32	18°14	3° 0	3°29	20°32	21°13	18°50	21°54	24°42	25°35	1°52	n.a.	S 18
M19	19 29 44	20°57'28	12♏31	17°44	19°27	3°39	3°26	20°28	21°13	18°52	21°56	24°40	25°32	1°59	n.a.	M19
T 20	19 33 40	21°55'13	25°42	18°53	20°40	4°18	3°23	20°23	21°14	18°53	21°57	24°36	25°29	2° 5	n.a.	T 20
W21	19 37 37	22°52'59	8♐40	20° 0	21°53	4°56	3°21	20°19	21°15	18°54	21°58	24°29	25°25	2°12	n.a.	W21
T 22	19 41 33	23°50'46	21°24	21° 4	23° 6	5°35	3°18	20°14	21°15	18°55	22° 0	24°20	25°22	2°19	n.a.	T 22
F 23	19 45 30	24°48'35	3♑58	22° 6	24°18	6°13	3°16	20°10	21°16	18°56	22° 1	24°10	25°19	2°25	n.a.	F 23
S 24	19 49 26	25°46'25	16°20	23° 6	25°31	6°51	3°14	20° 5	21°16	18°57	22° 3	23°59	25°16	2°32	n.a.	S 24
S 25	19 53 23	26°44'17	28°32	24° 3	26°44	7°29	3°12	20° 1	21°17	18°59	22° 5	23°49	25°13	2°39	n.a.	S 25
M26	19 57 20	27°42'10	10♒35	24°57	27°56	8° 8	3°10	19°56	21°17	19° 0	22° 6	23°40	25°10	2°45	n.a.	M26
T 27	20 1 16	28°40'05	22°31	25°48	29° 9	8°46	3° 8	19°52	21°17	19° 1	22° 8	23°33	25° 6	2°52	n.a.	T 27
W28	20 5 13	29°38'02	4♓20	26°36	0♍22	9°24	3° 7	19°47	21°17	19° 2	22° 9	23°29	25° 3	2°59	n.a.	W28
T 29	20 9 9	0♌36'01	16° 7	27°20	1°34	10° 2	3° 5	19°43	21°18	19° 3	22°11	23°27	25° 0	3° 5	n.a.	T 29
F 30	20 13 6	1°34'01	27°55	28° 1	2°47	10°39	3° 4	19°39	21°18	19° 4	22°13	23°D27	24°57	3°12	n.a.	F 30
S 31	20 17 2	2♌32'04	9♈48	28♌38	4♍ 0	11♊17	3♐ 3	19♑34	21♈18	19♉ 4	22♍14	23♓28	24♓54	3♓19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n41	10s13	1s34	23n26	1n30	22n28	1n35	18n18	0s10	21s 8	0n14	22s43	0s47	7n45	0s32	15n55	1s40	19n 0	17n 7	1s39	1s25	13s46			n.a.
F 2	23 39	4 41	0 33	23 5	1 25	22 13	1 35	18 29	0 9	21 7	0 13	22 44	0 47	7 46	0 32	15 55	1 40	18 59	17 6	1 39	1 26	13 43			n.a.
S 3	23 36	1n 2	0n30	22 42	1 20	21 57	1 35	18 40	0 8	21 6	0 13	22 45	0 47	7 46	0 32	15 55	1 40	18 58	17 6	1 40	1 27	13 40			n.a.
S 4	23 34	6 49	1 32	22 17	1 14	21 41	1 35	18 50	0 8	21 5	0 13	22 45	0 48	7 47	0 32	15 56	1 40	18 58	17 5	1 40	1 29	13 36			n.a.
M 5	23 31	12 27	2 32	21 52	1 8	21 24	1 35	19 1	0 7	21 4	0 13	22 46	0 48	7 47	0 32	15 56	1 41	18 57	17 4	1 40	1 30	13 33			n.a.
T 6	23 27	17 45	3 26	21 26	1 2	21 6	1 35	19 11	0 6	21 3	0 13	22 47	0 48	7 48	0 32	15 57	1 41	18 56	17 4	1 41	1 31	13 30			n.a.
W 7	23 23	22 24	4 11	20 59	0 55	20 48	1 34	19 22	0 5	21 3	0 13	22 48	0 48	7 48	0 32	15 57	1 41	18 55	17 3	1 44	1 33	13 27			n.a.
T 8	23 19	26 3	4 43	20 31	0 48	20 30	1 34	19 32	0 5	21 2	0 12	22 49	0 48	7 49	0 32	15 57	1 41	18 54	17 3	1 47	1 34	13 24			n.a.
F 9	23 14	28 15	5 0	20 3	0 40	20 10	1 33	19 42	0 4	21 1	0 12	22 49	0 48	7 49	0 32	15 58	1 41	18 53	17 2	1 51	1 35	13 21			n.a.
S 10	23 9	28 40	4 59	19 33	0 33	19 51	1 33	19 51	0 3	21 0	0 12	22 50	0 48	7 50	0 32	15 58	1 41	18 52	17 2	1 55	1 36	13 17			n.a.
S 11	23 3	27 5	4 38	19 4	0 25	19 30	1 32	20 1	0 2	21 0	0 12	22 51	0 48	7 50	0 32	15 59	1 41	18 51	17 1	1 59	1 38	13 14			n.a.
M12	22 57	23 36	3 59	18 34	0 16	19 10	1 31	20 10	0 2	20 59	0 12	22 52	0 48	7 50	0 32	15 59	1 41	18 50	17 1	2 3	1 39	13 11			n.a.
T 13	22 51	18 34	3 3	18 3	0 8	18 48	1 31	20 20	0 1	20 58	0 12	22 53	0 49	7 51	0 33	15 59	1 41	18 49	17 0	2 6	1 40	13 8			n.a.
W14	22 44	12 28	1 55	17 32	0s 1	18 26	1 30	20 29	0 0	20 58	0 11	22 53	0 49	7 51	0 33	16 0	1 41	18 48	17 0	2 7	1 41	13 5			n.a.
T 15	22 37	5 46	0 40	17 1	0 10	18 4	1 29	20 38	0n 1	20 57	0 11	22 54	0 49	7 51	0 33	16 0	1 41	18 47	16 59	2 8	1 43	13 2			n.a.
F 16	22 29	1s 6	0s36	16 30	0 19	17 41	1 28	20 46	0 1	20 57	0 11	22 55	0 49	7 52	0 33	16 0	1 41	18 46	16 59	2 8	1 44	12 59			n.a.
S 17	22 21	7 47	1 48	15 59	0 29	17 18	1 27	20 55	0 2	20 56	0 11	22 56	0 49	7 52	0 33	16 1	1 41	18 45	16 58	2 8	1 45	12 55			n.a.
S 18	22 13	13 58	2 53	15 28	0 38	16 54	1 25	21 3	0 3	20 56	0 11	22 57	0 49	7 52	0 33	16 1	1 41	18 44	16 58	2 8	1 47	12 52			n.a.
M19	22 4	19 22	3 46	14 57	0 48	16 30	1 24	21 12	0 4	20 55	0 10	22 57	0 49	7 52	0 33	16 1	1 41	18 43	16 57	2 9	1 48	12 49			n.a.
T 20	21 55	23 44	4 27	14 26	0 58	16 5	1 23	21 20	0 4	20 55	0 10	22 58	0 49	7 53	0 33	16 2	1 41	18 42	16 57	2 10	1 49	12 46			n.a.
W21	21 46	26 50	4 53	13 55	1 8	15 40	1 21	21 28	0 5	20 55	0 10	22 59	0 49	7 53	0 33	16 2	1 41	18 41	16 56	2 13	1 50	12 43			n.a.
T 22	21 36	28 30	5 4	13 25	1 18	15 14	1 20	21 35	0 6	20 54	0 10	23 0	0 49	7 53	0 33	16 2	1 41	18 40	16 56	2 17	1 52	12 39			n.a.
F 23	21 25	28 40	5 0	12 55	1 28	14 49	1 18	21 43	0 7	20 54	0 10	23 0	0 49	7 53	0 33	16 2	1 41	18 39	16 55	2 21	1 53	12 36			n.a.
S 24	21 15	27 22	4 42	12 26	1 39	14 22	1 17	21 50	0 8	20 54	0 10	23 1	0 49	7 53	0 33	16 3	1 41	18 38	16 55	2 25	1 54	12 33			n.a.
S 25	21 4	24 47	4 11	11 57	1 49	13 56	1 15	21 58	0 8	20 54	0 9	23 2	0 50	7 53	0 33	16 3	1 41	18 37	16 54	2 29	1 55	12 30			n.a.
M26	20 52	21 8	3 29	11 29	1 59	13 29	1 13	22 5	0 9	20 53	0 9	23 3	0 50	7 54	0 33	16 3	1 41	18 36	16 54	2 33	1 57	12 27			n.a.
T 27	20 40	16 40	2 38	11 2	2 10	13 1	1 11	22 11	0 10	20 53	0 9	23 3	0 50	7 54	0 33	16 3	1 41	18 35	16 53	2 35	1 58	12 23			n.a.
W28	20 28	11 36	1 41	10 36	2 20	12 34	1 10	22 18	0 11	20 53	0 9	23 4	0 50	7 54	0 33	16 4	1 42	18 34	16 53	2 37	1 59	12 20			n.a.
T 29	20 16	6 9	0 39	10 12	2 30	12 6	1 8	22 25	0 12	20 53	0 9	23 5	0 50	7 54	0 33	16 4	1 42	18 33	16 53	2 38	2 1	12 17			n.a.
F 30	20 3	0 28	0n24	9 48	2 41	11 37	1 6	22 31	0 12	20 53	0 9	23 6	0 50	7 54	0 33	16 4	1 42	18 32	16 52	2 38	2 2	12 14			n.a.
S 31	19n50	5n15	1n27	9n26	2s51	11n 9	1n 3	22n37	0n13	20s53	0n 8	23s 6	0s50	7n54	0s33	16n 4	1s42	18n31	16n52	2s38	2s 3	12s11			n.a.

Julian Day Number = 1631387.5, Delta T = 03h41m42s
Ecliptic obliquity = 23°43'39, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'24, Lahiri = - 7°21'23 Julian Calendar 1 July 247 BCE == Greg. Calendar 27 June 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

AUGUST 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 20 59	3♌30'08	21♈50	29♌10	5♍12	11♊55	3°R 3	19°R30	21°R18	19♉ 5	22♍16	23♓29	24♓50	3♓25	n.a.	S 1
M 2	20 24 55	4°28'15	4♉ 8	29°39	6°25	12°33	3♐ 2	19♑26	21♈18	19° 6	22°18	23°R29	24°47	3°32	n.a.	M 2
T 3	20 28 52	5°26'24	16°46	0♍ 3	7°37	13°10	3° 2	19°21	21°18	19° 7	22°20	23°29	24°44	3°39	n.a.	T 3
W 4	20 32 48	6°24'34	29°48	0°22	8°50	13°48	3°D 2	19°17	21°18	19° 8	22°22	23°26	24°41	3°45	n.a.	W 4
T 5	20 36 45	7°22'48	13♊18	0°35	10° 2	14°25	3° 2	19°13	21°17	19° 9	22°23	23°22	24°38	3°52	n.a.	T 5
F 6	20 40 42	8°21'03	27°16	0°43	11°14	15° 2	3° 2	19° 9	21°17	19° 9	22°25	23°16	24°35	3°59	n.a.	F 6
S 7	20 44 38	9°19'20	11♋42	0°R46	12°27	15°40	3° 3	19° 5	21°17	19°10	22°27	23° 9	24°31	4° 5	n.a.	S 7
S 8	20 48 35	10°17'40	26°31	0°42	13°39	16°17	3° 3	19° 1	21°17	19°11	22°29	23° 3	24°28	4°12	n.a.	S 8
M 9	20 52 31	11°16'01	11♌34	0°32	14°51	16°54	3° 4	18°57	21°16	19°11	22°31	22°57	24°25	4°19	n.a.	M 9
T 10	20 56 28	12°14'24	26°43	0°16	16° 4	17°31	3° 5	18°53	21°16	19°12	22°33	22°53	24°22	4°25	n.a.	T 10
W11	21 0 24	13°12'49	11♍47	29♌53	17°16	18° 8	3° 7	18°49	21°15	19°12	22°35	22°51	24°19	4°32	n.a.	W11
T 12	21 4 21	14°11'16	26°39	29°23	18°28	18°45	3° 8	18°45	21°15	19°13	22°37	22°D50	24°16	4°38	n.a.	T 12
F 13	21 8 17	15° 9'44	11♎12	28°47	19°41	19°21	3°10	18°41	21°14	19°13	22°39	22°51	24°12	4°45	n.a.	F 13
S 14	21 12 14	16° 8'14	25°23	28° 4	20°53	19°58	3°11	18°37	21°14	19°14	22°41	22°53	24° 9	4°52	n.a.	S 14
S 15	21 16 11	17° 6'46	9♏11	27°16	22° 5	20°35	3°13	18°34	21°13	19°14	22°43	22°54	24° 6	4°58	n.a.	S 15
M16	21 20 7	18° 5'20	22°36	26°23	23°17	21°11	3°16	18°30	21°12	19°15	22°45	22°R54	24° 3	5° 5	n.a.	M16
T 17	21 24 4	19° 3'56	5♐41	25°25	24°29	21°47	3°18	18°26	21°11	19°15	22°47	22°53	24° 0	5°12	n.a.	T 17
W18	21 28 0	20° 2'33	18°28	24°23	25°41	22°24	3°21	18°23	21°11	19°15	22°49	22°50	23°56	5°18	n.a.	W18
T 19	21 31 57	21° 1'12	1♑ 0	23°20	26°53	23° 0	3°23	18°20	21°10	19°16	22°51	22°46	23°53	5°25	n.a.	T 19
F 20	21 35 53	21°59'53	13°19	22°16	28° 5	23°36	3°26	18°16	21° 9	19°16	22°53	22°41	23°50	5°32	n.a.	F 20
S 21	21 39 50	22°58'36	25°28	21°13	29°17	24°12	3°29	18°13	21° 8	19°16	22°55	22°35	23°47	5°38	n.a.	S 21
S 22	21 43 46	23°57'21	7♒29	20°12	0♎29	24°48	3°33	18°10	21° 7	19°16	22°58	22°30	23°44	5°45	n.a.	S 22
M23	21 47 43	24°56'08	19°23	19°15	1°40	25°24	3°36	18° 6	21° 6	19°16	23° 0	22°26	23°41	5°52	n.a.	M23
T 24	21 51 40	25°54'57	1♓14	18°24	2°52	26° 0	3°40	18° 3	21° 5	19°17	23° 2	22°23	23°37	5°58	n.a.	T 24
W25	21 55 36	26°53'48	13° 1	17°39	4° 4	26°35	3°44	18° 0	21° 4	19°17	23° 4	22°22	23°34	6° 5	n.a.	W25
T 26	21 59 33	27°52'41	24°49	17° 3	5°16	27°11	3°48	17°57	21° 2	19°17	23° 6	22°D21	23°31	6°12	n.a.	T 26
F 27	22 3 29	28°51'36	6♈40	16°35	6°27	27°46	3°52	17°55	21° 1	19°R17	23° 9	22°22	23°28	6°18	n.a.	F 27
S 28	22 7 26	29°50'34	18°36	16°17	7°39	28°22	3°56	17°52	21° 0	19°17	23°11	22°23	23°25	6°25	n.a.	S 28
S 29	22 11 22	0♍49'33	0♉41	16°D 9	8°50	28°57	4° 1	17°49	20°59	19°17	23°13	22°25	23°21	6°32	n.a.	S 29
M30	22 15 19	1°48'36	12°59	16°11	10° 2	29°32	4° 5	17°47	20°57	19°17	23°15	22°26	23°18	6°38	n.a.	M30
T 31	22 19 15	2♍47'41	25♉36	16♌24	11♎13	0♋ 7	4♐10	17♑44	20♈56	19♉17	23♍18	22♓27	23♓15	6♓45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	19n36	10n53	2n27	9n 5	3s 0	10n40	1n 1	22n43	0n14	20s53	0n 8	23s 7	0s50	7n54	0s33	16n 4	1s42	18n30	16n51	2s37	2s 4	12s 7			n.a.
M 2	19 22	16 12	3 22	8 46	3 10	10 11	0 59	22 49	0 15	20 53	0 8	23 8	0 50	7 54	0 33	16 5	1 42	18 29	16 51	2 37	2 6	12 4			n.a.
T 3	19 8	21 0	4 8	8 29	3 19	9 41	0 57	22 55	0 16	20 53	0 8	23 8	0 50	7 54	0 33	16 5	1 42	18 28	16 50	2 37	2 7	12 1			n.a.
W 4	18 54	24 57	4 43	8 14	3 28	9 12	0 54	23 0	0 16	20 53	0 8	23 9	0 50	7 54	0 33	16 5	1 42	18 26	16 50	2 38	2 8	11 58			n.a.
T 5	18 39	27 42	5 4	8 2	3 36	8 42	0 52	23 5	0 17	20 54	0 8	23 10	0 50	7 54	0 33	16 5	1 42	18 25	16 50	2 40	2 10	11 55			n.a.
F 6	18 24	28 50	5 8	7 52	3 44	8 12	0 49	23 11	0 18	20 54	0 7	23 10	0 50	7 53	0 33	16 5	1 42	18 24	16 49	2 42	2 11	11 51			n.a.
S 7	18 8	28 4	4 53	7 44	3 51	7 41	0 47	23 16	0 19	20 54	0 7	23 11	0 50	7 53	0 33	16 5	1 42	18 23	16 49	2 45	2 12	11 48			n.a.
S 8	17 52	25 20	4 18	7 40	3 57	7 11	0 44	23 20	0 20	20 54	0 7	23 12	0 50	7 53	0 33	16 6	1 42	18 22	16 48	2 48	2 13	11 45			n.a.
M 9	17 36	20 48	3 25	7 38	4 3	6 40	0 42	23 25	0 21	20 55	0 7	23 12	0 51	7 53	0 33	16 6	1 42	18 21	16 48	2 50	2 15	11 42			n.a.
T 10	17 20	14 54	2 17	7 40	4 7	6 9	0 39	23 29	0 22	20 55	0 7	23 13	0 51	7 53	0 33	16 6	1 42	18 20	16 48	2 52	2 16	11 38			n.a.
W11	17 3	8 9	1 0	7 45	4 10	5 38	0 36	23 34	0 22	20 55	0 7	23 13	0 51	7 53	0 33	16 6	1 42	18 19	16 47	2 52	2 17	11 35			n.a.
T 12	16 46	1 2	0s21	7 54	4 12	5 7	0 33	23 38	0 23	20 56	0 6	23 14	0 51	7 52	0 33	16 6	1 42	18 18	16 47	2 53	2 18	11 32			n.a.
F 13	16 29	5s59	1 38	8 6	4 12	4 36	0 30	23 42	0 24	20 56	0 6	23 15	0 51	7 52	0 33	16 6	1 42	18 17	16 47	2 52	2 20	11 29			n.a.
S 14	16 11	12 32	2 48	8 22	4 10	4 5	0 27	23 46	0 25	20 57	0 6	23 15	0 51	7 52	0 33	16 6	1 42	18 15	16 46	2 52	2 21	11 25			n.a.
S 15	15 54	18 17	3 46	8 42	4 7	3 33	0 24	23 49	0 26	20 57	0 6	23 16	0 51	7 52	0 33	16 6	1 42	18 14	16 46	2 51	2 22	11 22			n.a.
M16	15 36	22 59	4 30	9 5	4 2	3 1	0 21	23 53	0 27	20 58	0 6	23 16	0 51	7 51	0 33	16 6	1 42	18 13	16 46	2 51	2 24	11 19			n.a.
T 17	15 17	26 24	4 58	9 31	3 55	2 30	0 18	23 56	0 28	20 58	0 6	23 17	0 51	7 51	0 33	16 6	1 43	18 12	16 45	2 52	2 25	11 16			n.a.
W18	14 59	28 23	5 11	10 0	3 46	1 58	0 15	23 59	0 29	20 59	0 6	23 17	0 51	7 51	0 33	16 6	1 43	18 11	16 45	2 53	2 26	11 12			n.a.
T 19	14 40	28 52	5 9	10 32	3 34	1 26	0 12	24 2	0 29	21 0	0 5	23 18	0 51	7 50	0 33	16 6	1 43	18 10	16 45	2 54	2 27	11 9			n.a.
F 20	14 21	27 54	4 52	11 5	3 21	0 54	0 9	24 5	0 30	21 1	0 5	23 18	0 51	7 50	0 33	16 6	1 43	18 9	16 45	2 56	2 29	11 6			n.a.
S 21	14 1	25 36	4 23	11 39	3 7	0 22	0 5	24 7	0 31	21 1	0 5	23 19	0 51	7 50	0 33	16 6	1 43	18 8	16 44	2 58	2 30	11 3			n.a.
S 22	13 42	22 11	3 42	12 14	2 50	0s10	0 2	24 10	0 32	21 2	0 5	23 19	0 51	7 49	0 33	16 6	1 43	18 6	16 44	3 0	2 31	10 59			n.a.
M23	13 22	17 53	2 51	12 49	2 33	0 41	0s 1	24 12	0 33	21 3	0 5	23 20	0 51	7 49	0 33	16 6	1 43	18 5	16 44	3 2	2 32	10 56			n.a.
T 24	13 2	12 56	1 54	13 22	2 14	1 13	0 5	24 14	0 34	21 4	0 5	23 20	0 51	7 48	0 33	16 6	1 43	18 4	16 43	3 3	2 34	10 53			n.a.
W25	12 42	7 32	0 51	13 55	1 55	1 45	0 8	24 16	0 35	21 5	0 5	23 21	0 51	7 48	0 33	16 6	1 43	18 3	16 43	3 4	2 35	10 50			n.a.
T 26	12 21	1 52	0n14	14 25	1 35	2 17	0 11	24 18	0 36	21 5	0 4	23 21	0 51	7 47	0 33	16 6	1 43	18 2	16 43	3 4	2 36	10 46			n.a.
F 27	12 1	3n52	1 18	14 52	1 15	2 49	0 15	24 19	0 37	21 6	0 4	23 22	0 51	7 47	0 33	16 6	1 43	18 1	16 43	3 4	2 38	10 43			n.a.
S 28	11 40	9 31	2 20	15 16	0 56	3 21	0 18	24 21	0 38	21 7	0 4	23 22	0 51	7 47	0 33	16 6	1 43	18 0	16 43	3 3	2 39	10 40			n.a.
S 29	11 19	14 54	3 16	15 36	0 37	3 53	0 22	24 22	0 39	21 8	0 4	23 22	0 51	7 46	0 33	16 6	1 43	17 59	16 42	3 3	2 40	10 36			n.a.
M30	10 57	19 48	4 4	15 53	0 18	4 24	0 25	24 23	0 40	21 9	0 4	23 23	0 51	7 45	0 33	16 6	1 43	17 58	16 42	3 2	2 41	10 33			n.a.
T 31	10n36	23n57	4n42	16n 6	0s 1	4s56	0s29	24n24	0n41	21s10	0n 4	23s23	0s51	7n45	0s33	16n 6	1s43	17n57	16n42	3s 2	2s43	10s30			n.a.

Julian Day Number = 1631418.5, Delta T = 03h41m41s
Ecliptic obliquity = 23°43'39, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'19, Lahiri = - 7°21'19 Julian Calendar 1 Aug. 247 BCE == Greg. Calendar 28 July 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

SEPTEMBER 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 23 12	3♍46'48	8♊33	16♌47	12♎25	0♋42	4♐15	17°R42	20°R54	19°R16	23♍20	22°R27	23♓12	6♓52	n.a.	W 1
T 2	22 27 9	4°45'58	21°56	17°19	13°36	1°17	4°20	17♑39	20♈53	19♉16	23°22	22♓27	23° 9	6°58	n.a.	T 2
F 3	22 31 5	5°45'10	5♋45	18° 0	14°47	1°52	4°26	17°37	20°51	19°16	23°25	22°25	23° 6	7° 5	n.a.	F 3
S 4	22 35 2	6°44'25	20° 2	18°50	15°58	2°26	4°31	17°35	20°50	19°16	23°27	22°23	23° 2	7°12	n.a.	S 4
S 5	22 38 58	7°43'42	4♌43	19°48	17°10	3° 1	4°37	17°33	20°48	19°16	23°29	22°21	22°59	7°18	n.a.	S 5
M 6	22 42 55	8°43'01	19°44	20°53	18°21	3°35	4°43	17°31	20°47	19°15	23°32	22°20	22°56	7°25	n.a.	M 6
T 7	22 46 51	9°42'23	4♍55	22° 4	19°32	4°10	4°49	17°29	20°45	19°15	23°34	22°19	22°53	7°31	n.a.	T 7
W 8	22 50 48	10°41'46	20° 8	23°21	20°43	4°44	4°55	17°27	20°43	19°14	23°36	22°D18	22°50	7°38	n.a.	W 8
T 9	22 54 44	11°41'12	5♎12	24°43	21°54	5°18	5° 1	17°25	20°41	19°14	23°39	22°18	22°47	7°45	n.a.	T 9
F 10	22 58 41	12°40'40	20° 0	26° 9	23° 5	5°52	5° 8	17°24	20°40	19°14	23°41	22°19	22°43	7°51	n.a.	F 10
S 11	23 2 37	13°40'09	4♏25	27°38	24°16	6°26	5°15	17°22	20°38	19°13	23°44	22°20	22°40	7°58	n.a.	S 11
S 12	23 6 34	14°39'41	18°25	29°11	25°27	7° 0	5°21	17°21	20°36	19°13	23°46	22°21	22°37	8° 5	n.a.	S 12
M13	23 10 31	15°39'15	1♐58	0♍46	26°37	7°33	5°28	17°19	20°34	19°12	23°48	22°21	22°34	8°11	n.a.	M13
T 14	23 14 27	16°38'50	15° 5	2°23	27°48	8° 7	5°36	17°18	20°32	19°12	23°51	22°R21	22°31	8°18	n.a.	T 14
W15	23 18 24	17°38'27	27°51	4° 2	28°59	8°40	5°43	17°17	20°30	19°11	23°53	22°21	22°27	8°25	n.a.	W15
T 16	23 22 20	18°38'07	10♑17	5°42	0♏ 9	9°13	5°50	17°16	20°28	19°10	23°56	22°21	22°24	8°31	n.a.	T 16
F 17	23 26 17	19°37'48	22°29	7°23	1°20	9°46	5°58	17°15	20°26	19°10	23°58	22°21	22°21	8°38	n.a.	F 17
S 18	23 30 13	20°37'30	4♒30	9° 5	2°30	10°19	6° 5	17°14	20°24	19° 9	24° 0	22°20	22°18	8°45	n.a.	S 18
S 19	23 34 10	21°37'15	16°23	10°47	3°40	10°52	6°13	17°13	20°22	19° 8	24° 3	22°20	22°15	8°51	n.a.	S 19
M20	23 38 6	22°37'02	28°12	12°29	4°50	11°25	6°21	17°13	20°20	19° 7	24° 5	22°D20	22°12	8°58	n.a.	M20
T 21	23 42 3	23°36'50	10♓ 0	14°12	6° 1	11°57	6°29	17°12	20°18	19° 7	24° 8	22°20	22° 8	9° 5	n.a.	T 21
W22	23 46 0	24°36'41	21°49	15°54	7°11	12°30	6°38	17°12	20°16	19° 6	24°10	22°R20	22° 5	9°11	n.a.	W22
T 23	23 49 56	25°36'33	3♈42	17°37	8°21	13° 2	6°46	17°12	20°13	19° 5	24°12	22°20	22° 2	9°18	n.a.	T 23
F 24	23 53 53	26°36'28	15°39	19°19	9°30	13°34	6°55	17°11	20°11	19° 4	24°15	22°20	21°59	9°24	n.a.	F 24
S 25	23 57 49	27°36'25	27°45	21° 1	10°40	14° 6	7° 3	17°11	20° 9	19° 3	24°17	22°19	21°56	9°31	n.a.	S 25
S 26	0 1 46	28°36'24	9♉59	22°42	11°50	14°38	7°12	17°D11	20° 7	19° 2	24°20	22°18	21°53	9°38	n.a.	S 26
M27	0 5 42	29°36'25	22°26	24°24	13° 0	15°10	7°21	17°11	20° 4	19° 1	24°22	22°18	21°49	9°44	n.a.	M27
T 28	0 9 39	0♎36'28	5♊ 7	26° 4	14° 9	15°41	7°30	17°11	20° 2	19° 0	24°24	22°17	21°46	9°51	n.a.	T 28
W29	0 13 35	1°36'34	18° 6	27°45	15°18	16°13	7°39	17°12	20° 0	18°59	24°27	22°16	21°43	9°58	n.a.	W29
T 30	0 17 32	2♎36'42	1♋23	29♍25	16♏28	16♋44	7♐48	17♑12	19♈58	18♉58	24♍29	22°D16	21♓40	10♓ 4	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n14	27n 3	5n 7	16n15	0n16	5s27	0s32	24n25	0n42	21s12	0n 4	23s23	0s51	7n44	0s34	16n 6	1s43	17n55	16n42	3s 2	2s44	10s27		n.a.
T 2	9 53	28 44	5 16	16 19	0 31	5 59	0 36	24 26	0 42	21 13	0 3	23 24	0 51	7 44	0 34	16 6	1 43	17 54	16 42	3 2	2 45	10 23		n.a.
F 3	9 31	28 44	5 8	16 20	0 45	6 30	0 40	24 26	0 43	21 14	0 3	23 24	0 51	7 43	0 34	16 6	1 43	17 53	16 41	3 3	2 46	10 20		n.a.
S 4	9 9	26 50	4 40	16 16	0 58	7 1	0 43	24 27	0 44	21 15	0 3	23 24	0 51	7 43	0 34	16 6	1 43	17 52	16 41	3 3	2 48	10 17		n.a.
S 5	8 46	23 6	3 54	16 9	1 9	7 32	0 47	24 27	0 45	21 16	0 3	23 25	0 51	7 42	0 34	16 6	1 43	17 51	16 41	3 4	2 49	10 13		n.a.
M 6	8 24	17 47	2 51	15 57	1 19	8 3	0 51	24 27	0 46	21 17	0 3	23 25	0 51	7 41	0 34	16 5	1 44	17 50	16 41	3 5	2 50	10 10		n.a.
T 7	8 1	11 18	1 35	15 42	1 28	8 34	0 54	24 27	0 47	21 19	0 3	23 25	0 51	7 41	0 34	16 5	1 44	17 49	16 41	3 5	2 51	10 7		n.a.
W 8	7 39	4 8	0 12	15 24	1 35	9 5	0 58	24 27	0 48	21 20	0 3	23 25	0 51	7 40	0 34	16 5	1 44	17 48	16 41	3 5	2 53	10 4		n.a.
T 9	7 16	3s11	1s11	15 2	1 42	9 35	1 2	24 27	0 49	21 21	0 2	23 26	0 51	7 39	0 34	16 5	1 44	17 47	16 41	3 5	2 54	10 0		n.a.
F 10	6 53	10 11	2 28	14 38	1 47	10 5	1 5	24 26	0 50	21 22	0 2	23 26	0 51	7 39	0 34	16 5	1 44	17 46	16 40	3 5	2 55	9 57		n.a.
S 11	6 30	16 29	3 33	14 10	1 51	10 35	1 9	24 26	0 51	21 24	0 2	23 26	0 51	7 38	0 34	16 5	1 44	17 45	16 40	3 5	2 57	9 54		n.a.
S 12	6 7	21 44	4 24	13 40	1 54	11 5	1 12	24 25	0 53	21 25	0 2	23 26	0 51	7 37	0 34	16 4	1 44	17 44	16 40	3 4	2 58	9 50		n.a.
M13	5 43	25 40	4 58	13 8	1 56	11 34	1 16	24 24	0 54	21 27	0 2	23 26	0 51	7 37	0 34	16 4	1 44	17 43	16 40	3 4	2 59	9 47		n.a.
T 14	5 20	28 6	5 15	12 34	1 57	12 3	1 20	24 23	0 55	21 28	0 2	23 27	0 51	7 36	0 34	16 4	1 44	17 42	16 40	3 4	3 0	9 44		n.a.
W15	4 56	28 59	5 16	11 58	1 58	12 32	1 23	24 22	0 56	21 29	0 2	23 27	0 51	7 35	0 34	16 4	1 44	17 41	16 40	3 4	3 2	9 40		n.a.
T 16	4 33	28 21	5 2	11 21	1 57	13 1	1 27	24 21	0 57	21 31	0 2	23 27	0 51	7 34	0 34	16 4	1 44	17 40	16 40	3 4	3 3	9 37		n.a.
F 17	4 9	26 21	4 35	10 42	1 56	13 29	1 31	24 19	0 58	21 32	0 1	23 27	0 52	7 33	0 34	16 3	1 44	17 39	16 40	3 4	3 4	9 34		n.a.
S 18	3 45	23 11	3 56	10 2	1 55	13 57	1 34	24 18	0 59	21 34	0 1	23 27	0 52	7 33	0 34	16 3	1 44	17 38	16 40	3 5	3 5	9 30		n.a.
S 19	3 22	19 5	3 7	9 21	1 53	14 25	1 38	24 16	1 0	21 35	0 1	23 27	0 52	7 32	0 34	16 3	1 44	17 37	16 40	3 5	3 7	9 27		n.a.
M20	2 58	14 16	2 10	8 39	1 50	14 52	1 41	24 15	1 1	21 37	0 1	23 27	0 52	7 31	0 34	16 3	1 44	17 36	16 40	3 5	3 8	9 24		n.a.
T 21	2 34	8 57	1 8	7 56	1 47	15 20	1 45	24 13	1 2	21 38	0 1	23 27	0 52	7 30	0 34	16 2	1 44	17 35	16 40	3 5	3 9	9 20		n.a.
W22	2 10	3 19	0 3	7 12	1 43	15 46	1 48	24 11	1 3	21 40	0 1	23 27	0 52	7 29	0 34	16 2	1 44	17 34	16 40	3 5	3 11	9 17		n.a.
T 23	1 46	2n27	1n 3	6 28	1 39	16 13	1 51	24 9	1 4	21 41	0 1	23 28	0 52	7 29	0 34	16 2	1 44	17 33	16 40	3 5	3 12	9 14		n.a.
F 24	1 22	8 10	2 6	5 44	1 35	16 39	1 55	24 7	1 6	21 43	0 1	23 28	0 51	7 28	0 34	16 2	1 44	17 32	16 40	3 5	3 13	9 10		n.a.
S 25	0 58	13 39	3 4	4 59	1 30	17 4	1 58	24 5	1 7	21 45	0 0	23 28	0 51	7 27	0 34	16 1	1 44	17 31	16 40	3 5	3 14	9 7		n.a.
S 26	0 34	18 42	3 55	4 14	1 25	17 29	2 1	24 2	1 8	21 46	0 0	23 28	0 51	7 26	0 34	16 1	1 44	17 30	16 40	3 5	3 16	9 4		n.a.
M27	0 9	23 2	4 35	3 28	1 20	17 54	2 5	24 0	1 9	21 48	0 0	23 28	0 51	7 25	0 34	16 1	1 45	17 29	16 40	3 6	3 17	9 0		n.a.
T 28	0s15	26 23	5 3	2 43	1 14	18 19	2 8	23 57	1 10	21 49	0 0	23 27	0 51	7 24	0 34	16 0	1 45	17 28	16 40	3 6	3 18	8 57		n.a.
W29	0 39	28 26	5 16	1 57	1 9	18 42	2 11	23 55	1 11	21 51	0s 0	23 27	0 51	7 23	0 34	16 0	1 45	17 27	16 40	3 6	3 19	8 54		n.a.
T 30	1s 3	28n56	5n13	1n12	1n 3	19s 6	2s14	23n52	1n12	21s53	0s 0	23s27	0s51	7n22	0s34	16n 0	1s45	17n26	16n40	3s 6	3s21	8s50		n.a.

Julian Day Number = 1631449.5, Delta T = 03h41m40s
Ecliptic obliquity = 23°43'40, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'15, Lahiri = - 7°21'15 Julian Calendar 1 Sept. 247 BCE == Greg. Calendar 28 Aug. 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

OCTOBER 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 21 29	3♎36'52	15♋ 3	1♎ 4	17♏37	17♋15	7♐58	17♑13	19°R55	18°R57	24♍32	22♓16	21♓37	10♓11	n.a.	F 1
S 2	0 25 25	4°37'05	29° 4	2°43	18°46	17°46	8° 7	17°13	19♈53	18♉56	24°34	22°17	21°33	10°18	n.a.	S 2
S 3	0 29 22	5°37'20	13♌28	4°22	19°55	18°17	8°17	17°14	19°50	18°55	24°36	22°18	21°30	10°24	n.a.	S 3
M 4	0 33 18	6°37'36	28°10	6° 0	21° 4	18°47	8°27	17°15	19°48	18°54	24°39	22°19	21°27	10°31	n.a.	M 4
T 5	0 37 15	7°37'55	13♍ 7	7°38	22°13	19°18	8°37	17°16	19°46	18°53	24°41	22°19	21°24	10°38	n.a.	T 5
W 6	0 41 11	8°38'16	28°10	9°15	23°21	19°48	8°47	17°17	19°43	18°51	24°44	22°R19	21°21	10°44	n.a.	W 6
T 7	0 45 8	9°38'38	13♎12	10°52	24°30	20°18	8°57	17°18	19°41	18°50	24°46	22°19	21°18	10°51	n.a.	T 7
F 8	0 49 4	10°39'03	28° 3	12°29	25°38	20°48	9° 7	17°19	19°38	18°49	24°48	22°17	21°14	10°58	n.a.	F 8
S 9	0 53 1	11°39'29	12♏36	14° 5	26°47	21°17	9°17	17°20	19°36	18°48	24°51	22°14	21°11	11° 4	n.a.	S 9
S 10	0 56 58	12°39'57	26°45	15°40	27°55	21°47	9°28	17°22	19°33	18°46	24°53	22°11	21° 8	11°11	n.a.	S 10
M11	1 0 54	13°40'26	10♐27	17°16	29° 3	22°16	9°38	17°23	19°31	18°45	24°55	22° 9	21° 5	11°18	n.a.	M11
T 12	1 4 51	14°40'57	23°42	18°51	0♐11	22°45	9°49	17°25	19°28	18°44	24°58	22° 6	21° 2	11°24	n.a.	T 12
W13	1 8 47	15°41'30	6♑32	20°26	1°18	23°14	10° 0	17°27	19°26	18°42	25° 0	22° 5	20°58	11°31	n.a.	W13
T 14	1 12 44	16°42'03	18°59	22° 0	2°26	23°43	10°11	17°28	19°23	18°41	25° 2	22°D 5	20°55	11°37	n.a.	T 14
F 15	1 16 40	17°42'39	1♒10	23°34	3°33	24°11	10°22	17°30	19°21	18°40	25° 4	22° 5	20°52	11°44	n.a.	F 15
S 16	1 20 37	18°43'15	13° 8	25° 8	4°41	24°39	10°33	17°32	19°18	18°38	25° 7	22° 7	20°49	11°51	n.a.	S 16
S 17	1 24 33	19°43'53	24°58	26°41	5°48	25° 7	10°44	17°35	19°16	18°37	25° 9	22° 9	20°46	11°57	n.a.	S 17
M18	1 28 30	20°44'32	6♓45	28°15	6°55	25°35	10°55	17°37	19°13	18°35	25°11	22°10	20°43	12° 4	n.a.	M18
T 19	1 32 27	21°45'12	18°33	29°48	8° 1	26° 3	11° 7	17°39	19°11	18°34	25°13	22°R11	20°39	12°11	n.a.	T 19
W20	1 36 23	22°45'54	0♈26	1♏21	9° 8	26°30	11°18	17°42	19° 8	18°32	25°16	22°11	20°36	12°17	n.a.	W20
T 21	1 40 20	23°46'37	12°26	2°53	10°14	26°57	11°29	17°44	19° 6	18°31	25°18	22° 9	20°33	12°24	n.a.	T 21
F 22	1 44 16	24°47'22	24°35	4°26	11°20	27°24	11°41	17°47	19° 3	18°29	25°20	22° 6	20°30	12°31	n.a.	F 22
S 23	1 48 13	25°48'08	6♉54	5°58	12°26	27°51	11°53	17°49	19° 1	18°28	25°22	22° 1	20°27	12°37	n.a.	S 23
S 24	1 52 9	26°48'55	19°26	7°30	13°32	28°17	12° 5	17°52	18°58	18°26	25°24	21°55	20°24	12°44	n.a.	S 24
M25	1 56 6	27°49'44	2♊10	9° 2	14°37	28°43	12°16	17°55	18°56	18°25	25°26	21°48	20°20	12°51	n.a.	M25
T 26	2 0 2	28°50'35	15° 6	10°33	15°42	29° 9	12°28	17°58	18°53	18°23	25°29	21°42	20°17	12°57	n.a.	T 26
W27	2 3 59	29°51'27	28°15	12° 5	16°47	29°35	12°40	18° 1	18°51	18°22	25°31	21°37	20°14	13° 4	n.a.	W27
T 28	2 7 56	0♏52'21	11♋38	13°36	17°52	0♌ 0	12°52	18° 4	18°49	18°20	25°33	21°33	20°11	13°11	n.a.	T 28
F 29	2 11 52	1°53'16	25°15	15° 7	18°56	0°25	13° 5	18° 8	18°46	18°18	25°35	21°31	20° 8	13°17	n.a.	F 29
S 30	2 15 49	2°54'13	9♌ 7	16°37	20° 0	0°50	13°17	18°11	18°44	18°17	25°37	21°D31	20° 4	13°24	n.a.	S 30
S 31	2 19 45	3♏55'11	23♌13	18♏ 8	21♐ 4	1♌15	13♐29	18♑15	18♈41	18♉15	25♍39	21♓32	20♓ 1	13♓30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1 s27	27n43	4n53	0n26	0n57	19 s29	2 s17	23n49	1n14	21 s54	0 s 0	23 s27	0 s51	7n22	0 s34	15n59	1 s45	17n25	16n40	3 s 6	3 s22	8 s47		n.a.
S 2	1 51	24 44	4 14	0 s19	0 51	19 51	2 20	23 46	1 15	21 56	0 0	23 27	0 51	7 21	0 34	15 59	1 45	17 24	16 40	3 6	3 23	8 44		n.a.
S 3	2 16	20 9	3 19	1 5	0 45	20 14	2 23	23 43	1 16	21 58	0 1	23 27	0 51	7 20	0 34	15 59	1 45	17 23	16 40	3 6	3 24	8 40		n.a.
M 4	2 40	14 17	2 10	1 50	0 38	20 35	2 26	23 40	1 17	21 59	0 1	23 27	0 51	7 19	0 34	15 58	1 45	17 23	16 41	3 5	3 26	8 37		n.a.
T 5	3 4	7 30	0 51	2 35	0 32	20 56	2 29	23 37	1 19	22 1	0 1	23 27	0 51	7 18	0 34	15 58	1 45	17 22	16 41	3 5	3 27	8 34		n.a.
W 6	3 28	0 15	0 s32	3 19	0 25	21 17	2 32	23 34	1 20	22 3	0 1	23 27	0 51	7 17	0 34	15 58	1 45	17 21	16 41	3 5	3 28	8 30		n.a.
T 7	3 52	7 s 0	1 53	4 4	0 19	21 37	2 34	23 30	1 21	22 4	0 1	23 27	0 51	7 16	0 34	15 57	1 45	17 20	16 41	3 5	3 30	8 27		n.a.
F 8	4 16	13 47	3 5	4 48	0 12	21 56	2 37	23 27	1 22	22 6	0 1	23 26	0 51	7 15	0 34	15 57	1 45	17 19	16 41	3 6	3 31	8 24		n.a.
S 9	4 40	19 39	4 3	5 32	0 6	22 15	2 39	23 24	1 24	22 8	0 1	23 26	0 51	7 14	0 34	15 57	1 45	17 18	16 41	3 7	3 32	8 20		n.a.
S 10	5 4	24 17	4 45	6 15	0 s 1	22 33	2 42	23 20	1 25	22 10	0 1	23 26	0 51	7 13	0 34	15 56	1 45	17 18	16 41	3 8	3 33	8 17		n.a.
M11	5 28	27 22	5 9	6 58	0 7	22 51	2 44	23 17	1 26	22 11	0 1	23 26	0 51	7 12	0 34	15 56	1 45	17 17	16 42	3 9	3 35	8 14		n.a.
T 12	5 51	28 49	5 15	7 41	0 14	23 8	2 46	23 13	1 27	22 13	0 2	23 26	0 51	7 11	0 34	15 55	1 45	17 16	16 42	3 10	3 36	8 10		n.a.
W13	6 15	28 39	5 5	8 23	0 21	23 25	2 49	23 9	1 29	22 15	0 2	23 25	0 51	7 10	0 34	15 55	1 45	17 15	16 42	3 11	3 37	8 7		n.a.
T 14	6 38	27 0	4 41	9 5	0 27	23 41	2 51	23 6	1 30	22 16	0 2	23 25	0 51	7 9	0 34	15 55	1 45	17 15	16 42	3 11	3 38	8 3		n.a.
F 15	7 2	24 7	4 5	9 47	0 34	23 56	2 53	23 2	1 31	22 18	0 2	23 25	0 51	7 8	0 34	15 54	1 45	17 14	16 42	3 10	3 40	8 0		n.a.
S 16	7 25	20 15	3 19	10 27	0 40	24 11	2 55	22 58	1 33	22 20	0 2	23 25	0 51	7 8	0 34	15 54	1 45	17 13	16 43	3 10	3 41	7 57		n.a.
S 17	7 48	15 37	2 24	11 8	0 46	24 25	2 56	22 54	1 34	22 22	0 2	23 24	0 51	7 7	0 34	15 53	1 45	17 12	16 43	3 9	3 42	7 53		n.a.
M18	8 12	10 26	1 24	11 48	0 52	24 39	2 58	22 51	1 36	22 23	0 2	23 24	0 51	7 6	0 34	15 53	1 45	17 12	16 43	3 8	3 43	7 50		n.a.
T 19	8 35	4 53	0 20	12 27	0 59	24 52	3 0	22 47	1 37	22 25	0 2	23 24	0 51	7 5	0 34	15 52	1 45	17 11	16 43	3 8	3 45	7 47		n.a.
W20	8 57	0n52	0n45	13 5	1 5	25 4	3 1	22 43	1 38	22 27	0 2	23 23	0 51	7 4	0 34	15 52	1 45	17 10	16 43	3 8	3 46	7 43		n.a.
T 21	9 20	6 38	1 49	13 43	1 11	25 15	3 2	22 39	1 40	22 28	0 3	23 23	0 51	7 3	0 34	15 52	1 45	17 10	16 44	3 9	3 47	7 40		n.a.
F 22	9 43	12 14	2 48	14 21	1 16	25 26	3 4	22 35	1 41	22 30	0 3	23 23	0 51	7 2	0 34	15 51	1 45	17 9	16 44	3 10	3 49	7 36		n.a.
S 23	10 5	17 27	3 40	14 57	1 22	25 37	3 5	22 31	1 43	22 32	0 3	23 22	0 51	7 1	0 34	15 51	1 45	17 9	16 44	3 12	3 50	7 33		n.a.
S 24	10 28	22 0	4 23	15 33	1 27	25 46	3 6	22 27	1 44	22 34	0 3	23 22	0 51	7 0	0 34	15 50	1 45	17 8	16 45	3 15	3 51	7 30		n.a.
M25	10 50	25 37	4 53	16 8	1 33	25 55	3 7	22 23	1 46	22 35	0 3	23 22	0 51	6 59	0 34	15 50	1 45	17 7	16 45	3 17	3 52	7 26		n.a.
T 26	11 12	28 0	5 9	16 43	1 38	26 3	3 7	22 19	1 47	22 37	0 3	23 21	0 51	6 58	0 34	15 49	1 45	17 7	16 45	3 20	3 54	7 23		n.a.
W27	11 33	28 51	5 9	17 16	1 43	26 11	3 8	22 15	1 49	22 39	0 3	23 21	0 51	6 57	0 34	15 49	1 45	17 6	16 45	3 22	3 55	7 19		n.a.
T 28	11 55	28 3	4 52	17 49	1 48	26 18	3 9	22 11	1 50	22 40	0 3	23 20	0 51	6 56	0 34	15 48	1 45	17 6	16 46	3 23	3 56	7 16		n.a.
F 29	12 16	25 35	4 19	18 21	1 52	26 24	3 9	22 7	1 52	22 42	0 3	23 20	0 51	6 55	0 34	15 48	1 45	17 5	16 46	3 24	3 57	7 13		n.a.
S 30	12 38	21 34	3 30	18 52	1 56	26 29	3 9	22 3	1 53	22 44	0 4	23 19	0 51	6 54	0 34	15 48	1 45	17 5	16 46	3 24	3 59	7 9		n.a.
S 31	12 s59	16n16	2n28	19 s22	2 s 0	26 s34	3 s 9	21n59	1n55	22 s45	0 s 4	23 s19	0 s51	6n54	0 s34	15n47	1 s45	17n 4	16n47	3 s24	4 s 0	7 s 6		n.a.

Julian Day Number = 1631479.5, Delta T = 03h41m39s
Ecliptic obliquity = 23°43'40, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'11, Lahiri = - 7°21'11 Julian Calendar 1 Oct. 247 BCE == Greg. Calendar 27 Sept. 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

NOVEMBER 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 23 42	4♏56'11	7♍34	19♏38	22♐ 8	1♑39	13♐42	18♉18	18°R39	18°R13	25♍41	21♓34	19♓58	13♓37	n.a.	M 1
T 2	2 27 38	5°57'11	22° 6	21° 8	23°11	2° 3	13°54	18°22	18♈37	18♉12	25°43	21°R34	19°55	13°44	n.a.	T 2
W 3	2 31 35	6°58'14	6♎45	22°37	24°14	2°26	14° 7	18°25	18°34	18°10	25°45	21°33	19°52	13°50	n.a.	W 3
T 4	2 35 31	7°59'17	21°27	24° 6	25°17	2°50	14°19	18°29	18°32	18° 8	25°47	21°30	19°49	13°57	n.a.	T 4
F 5	2 39 28	9° 0'22	6♏ 4	25°34	26°19	3°12	14°32	18°33	18°30	18° 7	25°49	21°25	19°45	14° 4	n.a.	F 5
S 6	2 43 25	10° 1'27	20°29	27° 1	27°21	3°35	14°45	18°37	18°27	18° 5	25°51	21°17	19°42	14°10	n.a.	S 6
S 7	2 47 21	11° 2'34	4♐36	28°28	28°23	3°57	14°57	18°41	18°25	18° 3	25°52	21° 9	19°39	14°17	n.a.	S 7
M 8	2 51 18	12° 3'41	18°20	29°54	29°24	4°19	15°10	18°45	18°23	18° 2	25°54	21° 0	19°36	14°24	n.a.	M 8
T 9	2 55 14	13° 4'49	1♉39	1♐19	0♉25	4°41	15°23	18°50	18°21	18° 0	25°56	20°52	19°33	14°30	n.a.	T 9
W10	2 59 11	14° 5'58	14°33	2°42	1°26	5° 2	15°36	18°54	18°18	17°58	25°58	20°46	19°30	14°37	n.a.	W10
T 11	3 3 7	15° 7'07	27° 4	4° 4	2°26	5°23	15°49	18°58	18°16	17°57	26° 0	20°42	19°26	14°44	n.a.	T 11
F 12	3 7 4	16° 8'17	9♒17	5°25	3°26	5°43	16° 2	19° 3	18°14	17°55	26° 1	20°40	19°23	14°50	n.a.	F 12
S 13	3 11 0	17° 9'27	21°16	6°43	4°25	6° 3	16°15	19° 7	18°12	17°53	26° 3	20°D39	19°20	14°57	n.a.	S 13
S 14	3 14 57	18°10'37	3♓ 6	7°59	5°24	6°23	16°29	19°12	18°10	17°51	26° 5	20°40	19°17	15° 3	n.a.	S 14
M15	3 18 54	19°11'48	14°53	9°12	6°22	6°42	16°42	19°17	18° 8	17°50	26° 6	20°R41	19°14	15°10	n.a.	M15
T 16	3 22 50	20°12'59	26°42	10°22	7°20	7° 1	16°55	19°22	18° 6	17°48	26° 8	20°41	19°10	15°17	n.a.	T 16
W17	3 26 47	21°14'11	8♈38	11°28	8°17	7°20	17° 9	19°26	18° 4	17°46	26°10	20°39	19° 7	15°23	n.a.	W17
T 18	3 30 43	22°15'22	20°45	12°30	9°14	7°38	17°22	19°31	18° 2	17°45	26°11	20°35	19° 4	15°30	n.a.	T 18
F 19	3 34 40	23°16'35	3♉ 5	13°27	10°10	7°56	17°35	19°36	18° 0	17°43	26°13	20°28	19° 1	15°37	n.a.	F 19
S 20	3 38 36	24°17'47	15°40	14°18	11° 5	8°13	17°49	19°41	17°58	17°41	26°14	20°18	18°58	15°43	n.a.	S 20
S 21	3 42 33	25°19'00	28°32	15° 3	12° 0	8°29	18° 2	19°47	17°56	17°40	26°16	20° 7	18°55	15°50	n.a.	S 21
M22	3 46 29	26°20'14	11♊38	15°40	12°54	8°46	18°16	19°52	17°54	17°38	26°17	19°55	18°51	15°57	n.a.	M22
T 23	3 50 26	27°21'27	24°58	16° 9	13°48	9° 2	18°30	19°57	17°53	17°36	26°19	19°43	18°48	16° 3	n.a.	T 23
W24	3 54 23	28°22'42	8♋30	16°29	14°41	9°17	18°43	20° 2	17°51	17°35	26°20	19°33	18°45	16°10	n.a.	W24
T 25	3 58 19	29°23'56	22°11	16°R39	15°33	9°32	18°57	20° 8	17°49	17°33	26°22	19°25	18°42	16°17	n.a.	T 25
F 26	4 2 16	0♐25'12	5♑59	16°38	16°25	9°46	19°11	20°13	17°48	17°31	26°23	19°20	18°39	16°23	n.a.	F 26
S 27	4 6 12	1°26'27	19°54	16°26	17°15	10° 0	19°24	20°19	17°46	17°30	26°24	19°18	18°36	16°30	n.a.	S 27
S 28	4 10 9	2°27'43	3♍55	16° 1	18° 5	10°13	19°38	20°25	17°44	17°28	26°25	19°D17	18°32	16°37	n.a.	S 28
M29	4 14 5	3°28'59	18° 1	15°25	18°54	10°26	19°52	20°30	17°43	17°26	26°27	19°R18	18°29	16°43	n.a.	M29
T 30	4 18 2	4♐30'16	2♎11	14♐38	19♉43	10♑38	20♐ 6	20♉36	17♈41	17♉25	26♍28	19♓17	18♓26	16♓50	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s19	10n 0	1n15	19s50	2s 4	26s38	3s 9	21n55	1n56	22s47	0s 4	23s18	0s51	6n53	0s34	15n47	1s45	17n 4	16n47	3s23	4s 1	7s 3		n.a.
T 2	13 40	3 8	0s 3	20 18	2 7	26 42	3 9	21 51	1 58	22 48	0 4	23 18	0 51	6 52	0 34	15 46	1 45	17 3	16 47	3 23	4 2	6 59		n.a.
W 3	14 0	3s57	1 21	20 45	2 10	26 44	3 9	21 48	2 0	22 50	0 4	23 17	0 51	6 51	0 34	15 46	1 45	17 3	16 48	3 23	4 4	6 56		n.a.
T 4	14 20	10 50	2 34	21 10	2 13	26 46	3 8	21 44	2 1	22 52	0 4	23 17	0 51	6 50	0 33	15 45	1 45	17 2	16 48	3 24	4 5	6 52		n.a.
F 5	14 40	17 6	3 37	21 34	2 15	26 48	3 7	21 40	2 3	22 53	0 4	23 16	0 51	6 49	0 33	15 45	1 45	17 2	16 49	3 27	4 6	6 49		n.a.
S 6	15 0	22 19	4 24	21 57	2 17	26 49	3 6	21 36	2 5	22 55	0 4	23 16	0 51	6 48	0 33	15 44	1 45	17 1	16 49	3 30	4 7	6 46		n.a.
S 7	15 19	26 8	4 54	22 19	2 19	26 49	3 5	21 32	2 6	22 56	0 4	23 15	0 51	6 47	0 33	15 44	1 45	17 1	16 49	3 33	4 9	6 42		n.a.
M 8	15 38	28 18	5 7	22 39	2 20	26 48	3 4	21 29	2 8	22 58	0 4	23 15	0 51	6 47	0 33	15 43	1 45	17 1	16 50	3 37	4 10	6 39		n.a.
T 9	15 57	28 45	5 2	22 58	2 20	26 47	3 3	21 25	2 10	22 59	0 5	23 14	0 51	6 46	0 33	15 43	1 45	17 0	16 50	3 40	4 11	6 35		n.a.
W10	16 16	27 35	4 41	23 15	2 20	26 45	3 1	21 22	2 11	23 1	0 5	23 13	0 51	6 45	0 33	15 42	1 45	17 0	16 51	3 42	4 13	6 32		n.a.
T 11	16 34	25 2	4 8	23 30	2 20	26 42	3 0	21 18	2 13	23 2	0 5	23 13	0 51	6 44	0 33	15 42	1 45	17 0	16 51	3 44	4 14	6 29		n.a.
F 12	16 52	21 25	3 24	23 44	2 18	26 39	2 58	21 15	2 15	23 4	0 5	23 12	0 51	6 43	0 33	15 41	1 45	16 59	16 51	3 45	4 15	6 25		n.a.
S 13	17 10	16 58	2 31	23 56	2 16	26 35	2 56	21 11	2 17	23 5	0 5	23 11	0 51	6 42	0 33	15 41	1 45	16 59	16 52	3 45	4 16	6 22		n.a.
S 14	17 27	11 56	1 33	24 6	2 13	26 30	2 54	21 8	2 19	23 7	0 5	23 11	0 51	6 42	0 33	15 40	1 45	16 59	16 52	3 44	4 18	6 18		n.a.
M15	17 44	6 30	0 31	24 14	2 10	26 25	2 51	21 5	2 20	23 8	0 5	23 10	0 51	6 41	0 33	15 40	1 45	16 58	16 53	3 44	4 19	6 15		n.a.
T 16	18 1	0 50	0n32	24 20	2 5	26 19	2 48	21 2	2 22	23 10	0 5	23 9	0 51	6 40	0 33	15 39	1 45	16 58	16 53	3 44	4 20	6 11		n.a.
W17	18 17	4n54	1 35	24 24	2 0	26 13	2 46	20 59	2 24	23 11	0 5	23 9	0 51	6 39	0 33	15 39	1 45	16 58	16 54	3 45	4 21	6 8		n.a.
T 18	18 33	10 33	2 33	24 26	1 53	26 6	2 43	20 56	2 26	23 13	0 5	23 8	0 51	6 39	0 33	15 39	1 45	16 58	16 54	3 47	4 23	6 5		n.a.
F 19	18 49	15 54	3 26	24 26	1 46	25 59	2 39	20 53	2 28	23 14	0 6	23 7	0 51	6 38	0 33	15 38	1 45	16 58	16 55	3 49	4 24	6 1		n.a.
S 20	19 4	20 42	4 10	24 24	1 37	25 51	2 36	20 50	2 30	23 15	0 6	23 6	0 51	6 37	0 33	15 38	1 45	16 57	16 55	3 53	4 25	5 58		n.a.
S 21	19 19	24 38	4 41	24 19	1 27	25 42	2 32	20 48	2 32	23 17	0 6	23 6	0 51	6 37	0 33	15 37	1 45	16 57	16 55	3 58	4 26	5 54		n.a.
M22	19 34	27 23	4 59	24 12	1 16	25 33	2 28	20 45	2 34	23 18	0 6	23 5	0 51	6 36	0 33	15 37	1 45	16 57	16 56	4 2	4 28	5 51		n.a.
T 23	19 48	28 39	5 1	24 3	1 3	25 23	2 24	20 43	2 36	23 19	0 6	23 4	0 51	6 35	0 33	15 36	1 45	16 57	16 56	4 7	4 29	5 48		n.a.
W24	20 2	28 13	4 46	23 51	0 50	25 13	2 20	20 41	2 38	23 21	0 6	23 3	0 51	6 35	0 33	15 36	1 45	16 57	16 57	4 11	4 30	5 44		n.a.
T 25	20 16	26 4	4 15	23 37	0 34	25 3	2 15	20 39	2 40	23 22	0 6	23 3	0 51	6 34	0 33	15 35	1 45	16 57	16 57	4 14	4 31	5 41		n.a.
F 26	20 29	22 22	3 28	23 21	0 18	24 52	2 10	20 37	2 42	23 23	0 6	23 2	0 51	6 33	0 33	15 35	1 45	16 57	16 58	4 16	4 33	5 37		n.a.
S 27	20 42	17 23	2 29	23 2	0 0	24 40	2 5	20 35	2 44	23 24	0 6	23 1	0 51	6 33	0 33	15 34	1 45	16 57	16 58	4 17	4 34	5 34		n.a.
S 28	20 54	11 27	1 21	22 41	0n18	24 28	2 0	20 33	2 46	23 26	0 7	23 0	0 51	6 32	0 33	15 34	1 45	16 56	16 59	4 17	4 35	5 30		n.a.
M29	21 6	4 54	0 7	22 17	0 38	24 16	1 54	20 32	2 48	23 27	0 7	22 59	0 51	6 32	0 33	15 34	1 45	16 56	16 59	4 17	4 36	5 27		n.a.
T 30	21s18	1s55	1s 8	21s52	0n58	24s 3	1s48	20n30	2n50	23s28	0s 7	22s58	0s51	6n31	0s33	15n33	1s45	16n56	17n 0	4s17	4s38	5s24		n.a.

Julian Day Number = 1631510.5, Delta T = 03h41m38s
Ecliptic obliquity = 23°43'40, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'07, Lahiri = - 7°21'06 Julian Calendar 1 Nov. 247 BCE == Greg. Calendar 28 Oct. 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 247 BCE
geocentric

DECEMBER 247 BCE (-246) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 21 59	5♐31'33	16♎25	13°R40	20♑30	10♌50	20♐20	20♑42	17°R40	17°R23	26♍29	19°R15	18♓23	16♓56	n.a.	W 1
T 2	4 25 55	6°32'50	0♏39	12♐33	21°16	11° 1	20°34	20°48	17♈38	17♉21	26°30	19♓ 9	18°20	17° 3	n.a.	T 2
F 3	4 29 52	7°34'07	14°50	11°20	22° 2	11°12	20°47	20°54	17°37	17°20	26°31	19° 1	18°16	17°10	n.a.	F 3
S 4	4 33 48	8°35'24	28°52	10° 1	22°46	11°21	21° 1	20°59	17°36	17°18	26°32	18°50	18°13	17°16	n.a.	S 4
S 5	4 37 45	9°36'42	12♐42	8°40	23°29	11°31	21°15	21° 6	17°34	17°17	26°34	18°37	18°10	17°23	n.a.	S 5
M 6	4 41 41	10°37'59	26°15	7°20	24°11	11°39	21°29	21°12	17°33	17°15	26°35	18°24	18° 7	17°30	n.a.	M 6
T 7	4 45 38	11°39'15	9♑27	6° 2	24°53	11°47	21°43	21°18	17°32	17°14	26°36	18°11	18° 4	17°36	n.a.	T 7
W 8	4 49 34	12°40'32	22°19	4°50	25°32	11°55	21°57	21°24	17°31	17°12	26°37	18° 1	18° 1	17°43	n.a.	W 8
T 9	4 53 31	13°41'48	4♒50	3°45	26°11	12° 2	22°12	21°30	17°30	17°11	26°37	17°53	17°57	17°50	n.a.	T 9
F 10	4 57 28	14°43'03	17° 3	2°49	26°48	12° 8	22°26	21°36	17°29	17° 9	26°38	17°48	17°54	17°56	n.a.	F 10
S 11	5 1 24	15°44'17	29° 3	2° 1	27°24	12°13	22°40	21°43	17°28	17° 8	26°39	17°46	17°51	18° 3	n.a.	S 11
S 12	5 5 21	16°45'31	10♓53	1°24	27°59	12°18	22°54	21°49	17°27	17° 6	26°40	17°45	17°48	18°10	n.a.	S 12
M13	5 9 17	17°46'44	22°41	0°56	28°32	12°22	23° 8	21°56	17°26	17° 5	26°41	17°45	17°45	18°16	n.a.	M13
T 14	5 13 14	18°47'56	4♈30	0°38	29° 3	12°25	23°22	22° 2	17°25	17° 3	26°41	17°44	17°42	18°23	n.a.	T 14
W15	5 17 10	19°49'07	16°27	0°D29	29°33	12°28	23°36	22° 9	17°24	17° 2	26°42	17°42	17°38	18°30	n.a.	W15
T 16	5 21 7	20°50'18	28°38	0°29	0♒ 1	12°30	23°50	22°15	17°23	17° 1	26°43	17°38	17°35	18°36	n.a.	T 16
F 17	5 25 3	21°51'28	11♉ 4	0°38	0°28	12°31	24° 4	22°22	17°23	16°59	26°43	17°30	17°32	18°43	n.a.	F 17
S 18	5 29 0	22°52'37	23°51	0°53	0°53	12°R31	24°18	22°28	17°22	16°58	26°44	17°20	17°29	18°49	n.a.	S 18
S 19	5 32 57	23°53'45	6♊58	1°16	1°15	12°31	24°33	22°35	17°21	16°57	26°45	17° 8	17°26	18°56	n.a.	S 19
M20	5 36 53	24°54'52	20°26	1°45	1°36	12°30	24°47	22°42	17°21	16°55	26°45	16°55	17°22	19° 3	n.a.	M20
T 21	5 40 50	25°55'59	4♋11	2°20	1°55	12°28	25° 1	22°48	17°20	16°54	26°46	16°42	17°19	19° 9	n.a.	T 21
W22	5 44 46	26°57'04	18°10	2°59	2°12	12°26	25°15	22°55	17°20	16°53	26°46	16°31	17°16	19°16	n.a.	W22
T 23	5 48 43	27°58'09	2♌17	3°44	2°27	12°22	25°29	23° 2	17°20	16°52	26°47	16°22	17°13	19°23	n.a.	T 23
F 24	5 52 39	28°59'14	16°29	4°33	2°40	12°18	25°43	23° 9	17°19	16°51	26°47	16°16	17°10	19°29	n.a.	F 24
S 25	5 56 36	0♑ 0'17	0♍42	5°25	2°50	12°13	25°57	23°16	17°19	16°49	26°47	16°13	17° 7	19°36	n.a.	S 25
S 26	6 0 33	1° 1'20	14°53	6°21	2°58	12° 8	26°12	23°23	17°19	16°48	26°48	16°D12	17° 3	19°43	n.a.	S 26
M27	6 4 29	2° 2'22	28°59	7°20	3° 4	12° 1	26°26	23°30	17°19	16°47	26°48	16°R13	17° 0	19°49	n.a.	M27
T 28	6 8 26	3° 3'23	13♎ 1	8°22	3° 7	11°54	26°40	23°37	17°18	16°46	26°48	16°12	16°57	19°56	n.a.	T 28
W29	6 12 22	4° 4'23	26°59	9°27	3°R 8	11°46	26°54	23°44	17°18	16°45	26°48	16°10	16°54	20° 3	n.a.	W29
T 30	6 16 19	5° 5'23	10♏50	10°34	3° 6	11°37	27° 8	23°51	17°D18	16°44	26°48	16° 6	16°51	20° 9	n.a.	T 30
F 31	6 20 15	6♑ 6'22	24♏34	11♐43	3♒ 2	11♌27	27♐22	23♑58	17♈18	16♉43	26♍49	15♓58	16♓48	20♓16	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	21 s29	8 s39	2 s18	21 s26	1n18	23 s50	1 s42	20n29	2n52	23 s29	0 s 7	22 s57	0 s51	6n30	0 s33	15n33	1 s45	16n56	17n 1	4 s18	4 s39	5 s20			n.a.
T 2	21 40	14 57	3 20	20 58	1 38	23 36	1 36	20 28	2 55	23 30	0 7	22 57	0 51	6 30	0 33	15 32	1 45	16 56	17 1	4 20	4 40	5 17			n.a.
F 3	21 50	20 26	4 9	20 29	1 56	23 22	1 29	20 27	2 57	23 31	0 7	22 56	0 51	6 29	0 33	15 32	1 45	16 57	17 2	4 24	4 41	5 13			n.a.
S 4	22 0	24 44	4 43	20 1	2 14	23 8	1 23	20 26	2 59	23 32	0 7	22 55	0 51	6 29	0 33	15 31	1 45	16 57	17 2	4 28	4 43	5 10			n.a.
S 5	22 10	27 32	4 59	19 33	2 30	22 54	1 15	20 26	3 1	23 33	0 7	22 54	0 51	6 29	0 33	15 31	1 45	16 57	17 3	4 33	4 44	5 6			n.a.
M 6	22 19	28 38	4 58	19 6	2 44	22 39	1 8	20 26	3 3	23 34	0 7	22 53	0 51	6 28	0 33	15 31	1 45	16 57	17 3	4 38	4 45	5 3			n.a.
T 7	22 27	28 3	4 40	18 42	2 55	22 24	1 0	20 25	3 6	23 35	0 7	22 52	0 51	6 28	0 33	15 30	1 45	16 57	17 4	4 43	4 46	5 0			n.a.
W 8	22 35	25 57	4 9	18 20	3 4	22 9	0 52	20 26	3 8	23 36	0 8	22 51	0 52	6 27	0 33	15 30	1 45	16 57	17 4	4 48	4 48	4 56			n.a.
T 9	22 43	22 37	3 26	18 2	3 11	21 53	0 44	20 26	3 10	23 37	0 8	22 50	0 52	6 27	0 33	15 29	1 45	16 57	17 5	4 51	4 49	4 53			n.a.
F 10	22 50	18 22	2 35	17 47	3 15	21 37	0 35	20 26	3 12	23 38	0 8	22 49	0 52	6 26	0 33	15 29	1 45	16 57	17 5	4 53	4 50	4 49			n.a.
S 11	22 57	13 28	1 37	17 36	3 17	21 22	0 26	20 27	3 15	23 39	0 8	22 48	0 52	6 26	0 33	15 29	1 45	16 57	17 6	4 54	4 51	4 46			n.a.
S 12	23 4	8 8	0 36	17 28	3 17	21 6	0 17	20 28	3 17	23 40	0 8	22 47	0 52	6 26	0 33	15 28	1 45	16 58	17 7	4 54	4 53	4 42			n.a.
M13	23 9	2 33	0n26	17 24	3 16	20 50	0 8	20 29	3 19	23 41	0 8	22 46	0 52	6 25	0 32	15 28	1 45	16 58	17 7	4 54	4 54	4 39			n.a.
T 14	23 15	3n 9	1 28	17 23	3 13	20 33	0n 2	20 30	3 22	23 42	0 8	22 45	0 52	6 25	0 32	15 28	1 45	16 58	17 8	4 54	4 55	4 35			n.a.
W15	23 20	8 47	2 26	17 26	3 8	20 17	0 12	20 32	3 24	23 42	0 8	22 44	0 52	6 25	0 32	15 27	1 45	16 58	17 8	4 55	4 56	4 32			n.a.
T 16	23 24	14 12	3 18	17 31	3 3	20 1	0 23	20 33	3 26	23 43	0 8	22 43	0 52	6 25	0 32	15 27	1 45	16 58	17 9	4 57	4 58	4 29			n.a.
F 17	23 28	19 10	4 3	17 39	2 56	19 45	0 34	20 35	3 29	23 44	0 8	22 42	0 52	6 24	0 32	15 27	1 45	16 59	17 9	5 0	4 59	4 25			n.a.
S 18	23 32	23 24	4 36	17 50	2 49	19 29	0 45	20 37	3 31	23 45	0 9	22 41	0 52	6 24	0 32	15 26	1 45	16 59	17 10	5 4	5 0	4 22			n.a.
S 19	23 35	26 35	4 56	18 2	2 41	19 12	0 56	20 40	3 34	23 45	0 9	22 40	0 52	6 24	0 32	15 26	1 44	16 59	17 11	5 8	5 2	4 18			n.a.
M20	23 38	28 22	5 0	18 16	2 33	18 56	1 8	20 42	3 36	23 46	0 9	22 39	0 52	6 24	0 32	15 26	1 44	17 0	17 11	5 14	5 3	4 15			n.a.
T 21	23 40	28 26	4 47	18 31	2 24	18 40	1 20	20 45	3 38	23 47	0 9	22 37	0 52	6 24	0 32	15 25	1 44	17 0	17 12	5 19	5 4	4 11			n.a.
W22	23 41	26 43	4 16	18 48	2 15	18 24	1 32	20 48	3 41	23 47	0 9	22 36	0 52	6 23	0 32	15 25	1 44	17 0	17 12	5 23	5 5	4 8			n.a.
T 23	23 43	23 18	3 30	19 5	2 6	18 9	1 45	20 51	3 43	23 48	0 9	22 35	0 52	6 23	0 32	15 25	1 44	17 1	17 13	5 27	5 7	4 4			n.a.
F 24	23 43	18 28	2 30	19 24	1 57	17 53	1 58	20 55	3 45	23 49	0 9	22 34	0 52	6 23	0 32	15 24	1 44	17 1	17 14	5 29	5 8	4 1			n.a.
S 25	23 44	12 37	1 21	19 42	1 47	17 38	2 11	20 58	3 48	23 49	0 9	22 33	0 52	6 23	0 32	15 24	1 44	17 1	17 14	5 30	5 9	3 58			n.a.
S 26	23 43	6 8	0 7	20 2	1 38	17 23	2 25	21 2	3 50	23 50	0 9	22 32	0 52	6 23	0 32	15 24	1 44	17 2	17 15	5 30	5 10	3 54			n.a.
M27	23 43	0 s37	1 s 7	20 21	1 28	17 9	2 38	21 6	3 52	23 50	0 10	22 31	0 52	6 23	0 32	15 23	1 44	17 2	17 15	5 30	5 12	3 51			n.a.
T 28	23 41	7 18	2 17	20 40	1 19	16 54	2 52	21 11	3 55	23 51	0 10	22 29	0 52	6 23	0 32	15 23	1 44	17 3	17 16	5 30	5 13	3 47			n.a.
W29	23 40	13 36	3 18	20 59	1 9	16 40	3 6	21 15	3 57	23 51	0 10	22 28	0 52	6 23	0 32	15 23	1 44	17 3	17 16	5 31	5 14	3 44			n.a.
T 30	23 38	19 10	4 7	21 19	1 0	16 27	3 21	21 20	3 59	23 52	0 10	22 27	0 52	6 23	0 32	15 23	1 44	17 4	17 17	5 33	5 15	3 40			n.a.
F 31	23 s35	23 s41	4 s42	21 s37	0n51	16 s13	3n35	21n25	4n 1	23 s52	0 s10	22 s26	0 s52	6n23	0 s32	15n22	1 s44	17n 4	17n18	5 s36	5 s17	3 s37			n.a.

Julian Day Number = 1631540.5, Delta T = 03h41m37s
Ecliptic obliquity = 23°43'39, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°28'03, Lahiri = - 7°21'02 Julian Calendar 1 Dec. 247 BCE == Greg. Calendar 27 Nov. 247 BCE

The year -246 astronomical counting style corresponds to year 247 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

JANUARY 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 24 12	7♑ 7'20	8♐ 9	12♐54	2°R56	11°R16	27♐36	24♑ 5	17♈18	16°R42	26♍49	15°R48	16♓44	20♓23	n.a.	S 1
S 2	6 28 8	8° 8'17	21°34	14° 6	2♒47	11♌ 5	27°50	24°12	17°18	16♉41	26°49	15♓37	16°41	20°29	n.a.	S 2
M 3	6 32 5	9° 9'13	4♑44	15°21	2°35	10°53	28° 4	24°19	17°19	16°40	26°R49	15°24	16°38	20°36	n.a.	M 3
T 4	6 36 2	10°10'07	17°40	16°37	2°21	10°40	28°18	24°26	17°19	16°39	26°49	15°13	16°35	20°42	n.a.	T 4
W 5	6 39 58	11°11'00	0♒20	17°55	2° 5	10°27	28°32	24°33	17°19	16°38	26°49	15° 3	16°32	20°49	n.a.	W 5
T 6	6 43 55	12°11'52	12°44	19°13	1°46	10°12	28°46	24°40	17°19	16°38	26°49	14°56	16°28	20°56	n.a.	T 6
F 7	6 47 51	13°12'42	24°53	20°34	1°24	9°57	29° 0	24°48	17°20	16°37	26°48	14°51	16°25	21° 2	n.a.	F 7
S 8	6 51 48	14°13'31	6♓51	21°55	1° 1	9°41	29°14	24°55	17°20	16°36	26°48	14°49	16°22	21° 9	n.a.	S 8
S 9	6 55 44	15°14'17	18°41	23°18	0°35	9°25	29°28	25° 2	17°21	16°35	26°48	14°D48	16°19	21°16	n.a.	S 9
M10	6 59 41	16°15'03	0♈28	24°41	0° 7	9° 8	29°42	25° 9	17°21	16°35	26°48	14°49	16°16	21°22	n.a.	M10
T 11	7 3 37	17°15'46	12°17	26° 6	29♑37	8°50	29°56	25°16	17°22	16°34	26°48	14°R50	16°13	21°29	n.a.	T 11
W12	7 7 34	18°16'27	24°14	27°32	29° 5	8°31	0♑10	25°24	17°23	16°33	26°47	14°50	16° 9	21°36	n.a.	W12
T 13	7 11 31	19°17'07	6♉23	28°59	28°32	8°12	0°23	25°31	17°23	16°33	26°47	14°48	16° 6	21°42	n.a.	T 13
F 14	7 15 27	20°17'45	18°51	0♑26	27°58	7°53	0°37	25°38	17°24	16°32	26°47	14°44	16° 3	21°49	n.a.	F 14
S 15	7 19 24	21°18'21	1♊40	1°55	27°22	7°32	0°51	25°46	17°25	16°32	26°46	14°38	16° 0	21°56	n.a.	S 15
S 16	7 23 20	22°18'56	14°53	3°25	26°46	7°12	1° 5	25°53	17°26	16°31	26°46	14°30	15°57	22° 2	n.a.	S 16
M17	7 27 17	23°19'28	28°32	4°56	26° 8	6°51	1°18	26° 0	17°27	16°31	26°45	14°22	15°54	22° 9	n.a.	M17
T 18	7 31 13	24°19'59	12♋33	6°27	25°31	6°29	1°32	26° 7	17°28	16°30	26°45	14°13	15°50	22°15	n.a.	T 18
W19	7 35 10	25°20'28	26°54	8° 0	24°53	6° 7	1°46	26°15	17°29	16°30	26°44	14° 5	15°47	22°22	n.a.	W19
T 20	7 39 7	26°20'55	11♌27	9°33	24°15	5°45	1°59	26°22	17°30	16°29	26°44	13°59	15°44	22°29	n.a.	T 20
F 21	7 43 3	27°21'21	26° 7	11° 8	23°38	5°22	2°13	26°29	17°31	16°29	26°43	13°56	15°41	22°35	n.a.	F 21
S 22	7 47 0	28°21'45	10♍46	12°43	23° 2	4°59	2°26	26°37	17°32	16°29	26°42	13°D54	15°38	22°42	n.a.	S 22
S 23	7 50 56	29°22'07	25°19	14°19	22°26	4°36	2°40	26°44	17°33	16°28	26°42	13°55	15°34	22°49	n.a.	S 23
M24	7 54 53	0♒22'28	9♎41	15°57	21°52	4°12	2°53	26°51	17°34	16°28	26°41	13°56	15°31	22°55	n.a.	M24
T 25	7 58 49	1°22'47	23°50	17°35	21°19	3°49	3° 6	26°58	17°36	16°28	26°40	13°57	15°28	23° 2	n.a.	T 25
W26	8 2 46	2°23'05	7♏45	19°14	20°47	3°25	3°19	27° 6	17°37	16°28	26°40	13°R57	15°25	23° 9	n.a.	W26
T 27	8 6 42	3°23'21	21°26	20°54	20°17	3° 1	3°33	27°13	17°39	16°28	26°39	13°56	15°22	23°15	n.a.	T 27
F 28	8 10 39	4°23'35	4♐53	22°36	19°49	2°38	3°46	27°20	17°40	16°28	26°38	13°52	15°19	23°22	n.a.	F 28
S 29	8 14 36	5°23'48	18° 7	24°18	19°23	2°14	3°59	27°27	17°41	16°28	26°37	13°47	15°15	23°29	n.a.	S 29
S 30	8 18 32	6°24'00	1♑ 7	26° 1	19° 0	1°50	4°12	27°35	17°43	16°28	26°36	13°41	15°12	23°35	n.a.	S 30
M31	8 22 29	7♒24'09	13♑55	27♑46	18♑38	1♌27	4♑25	27♑42	17♈45	16°D28	26♍35	13♓34	15♓ 9	23♓42	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s32	26s51	4s59	21s56	0n42	16s 1	3n50	21n30	4n 4	23s52	0s10	22s25	0s52	6n23	0s32	15n22	1s44	17n 5	17n18	5s40	5s18	3s33		n.a.
S 2	23 28	28 27	5 1	22 14	0 33	15 49	4 4	21 35	4 6	23 53	0 10	22 24	0 52	6 23	0 32	15 22	1 44	17 5	17 19	5 44	5 19	3 30		n.a.
M 3	23 24	28 24	4 45	22 31	0 24	15 37	4 19	21 41	4 8	23 53	0 10	22 22	0 52	6 23	0 32	15 22	1 44	17 6	17 19	5 49	5 20	3 27		n.a.
T 4	23 20	26 46	4 16	22 47	0 15	15 26	4 34	21 46	4 10	23 53	0 10	22 21	0 52	6 23	0 32	15 22	1 44	17 6	17 20	5 54	5 22	3 23		n.a.
W 5	23 15	23 48	3 34	23 3	0 7	15 15	4 48	21 52	4 12	23 54	0 11	22 20	0 53	6 24	0 32	15 21	1 44	17 7	17 20	5 57	5 23	3 20		n.a.
T 6	23 10	19 47	2 43	23 18	0s 1	15 5	5 3	21 58	4 14	23 54	0 11	22 19	0 53	6 24	0 32	15 21	1 44	17 7	17 21	6 0	5 24	3 16		n.a.
F 7	23 4	15 1	1 44	23 33	0 9	14 56	5 17	22 4	4 16	23 54	0 11	22 17	0 53	6 24	0 32	15 21	1 43	17 8	17 22	6 2	5 25	3 13		n.a.
S 8	22 57	9 46	0 42	23 46	0 17	14 47	5 32	22 10	4 18	23 54	0 11	22 16	0 53	6 24	0 32	15 21	1 43	17 8	17 22	6 3	5 27	3 9		n.a.
S 9	22 51	4 13	0n21	23 58	0 25	14 39	5 45	22 16	4 20	23 55	0 11	22 15	0 53	6 24	0 32	15 21	1 43	17 9	17 23	6 3	5 28	3 6		n.a.
M10	22 43	1n27	1 23	24 10	0 33	14 31	5 59	22 23	4 21	23 55	0 11	22 14	0 53	6 25	0 32	15 21	1 43	17 10	17 23	6 3	5 29	3 2		n.a.
T 11	22 36	7 5	2 22	24 20	0 40	14 25	6 12	22 29	4 23	23 55	0 11	22 12	0 53	6 25	0 32	15 20	1 43	17 10	17 24	6 3	5 30	2 59		n.a.
W12	22 28	12 31	3 15	24 29	0 47	14 19	6 25	22 36	4 25	23 55	0 11	22 11	0 53	6 25	0 31	15 20	1 43	17 11	17 24	6 3	5 31	2 55		n.a.
T 13	22 19	17 35	4 1	24 37	0 53	14 13	6 37	22 43	4 26	23 55	0 11	22 10	0 53	6 25	0 31	15 20	1 43	17 11	17 25	6 3	5 33	2 52		n.a.
F 14	22 10	22 3	4 36	24 44	1 0	14 9	6 48	22 49	4 28	23 55	0 12	22 8	0 53	6 26	0 31	15 20	1 43	17 12	17 25	6 5	5 34	2 49		n.a.
S 15	22 1	25 37	4 59	24 49	1 6	14 5	6 59	22 56	4 29	23 55	0 12	22 7	0 53	6 26	0 31	15 20	1 43	17 13	17 26	6 7	5 35	2 45		n.a.
S 16	21 51	27 56	5 7	24 53	1 12	14 2	7 9	23 3	4 30	23 55	0 12	22 6	0 53	6 26	0 31	15 20	1 43	17 13	17 27	6 10	5 36	2 42		n.a.
M17	21 41	28 41	4 57	24 56	1 18	14 0	7 19	23 9	4 31	23 55	0 12	22 4	0 53	6 27	0 31	15 20	1 43	17 14	17 27	6 14	5 38	2 38		n.a.
T 18	21 31	27 37	4 30	24 57	1 23	13 58	7 27	23 16	4 32	23 55	0 12	22 3	0 53	6 27	0 31	15 20	1 43	17 15	17 28	6 17	5 39	2 35		n.a.
W19	21 20	24 43	3 46	24 57	1 28	13 57	7 35	23 23	4 33	23 55	0 12	22 2	0 53	6 28	0 31	15 20	1 43	17 15	17 28	6 20	5 40	2 31		n.a.
T 20	21 8	20 12	2 46	24 56	1 33	13 57	7 41	23 29	4 34	23 55	0 12	22 0	0 53	6 28	0 31	15 20	1 43	17 16	17 29	6 22	5 41	2 28		n.a.
F 21	20 56	14 27	1 35	24 53	1 38	13 57	7 47	23 36	4 35	23 55	0 12	21 59	0 54	6 29	0 31	15 20	1 43	17 17	17 29	6 24	5 43	2 24		n.a.
S 22	20 44	7 53	0 17	24 48	1 42	13 58	7 52	23 42	4 36	23 55	0 13	21 58	0 54	6 29	0 31	15 20	1 43	17 18	17 30	6 24	5 44	2 21		n.a.
S 23	20 32	0 57	1s 1	24 42	1 46	14 0	7 56	23 48	4 36	23 55	0 13	21 56	0 54	6 30	0 31	15 20	1 43	17 18	17 30	6 24	5 45	2 17		n.a.
M24	20 19	5s57	2 15	24 34	1 49	14 2	7 59	23 55	4 37	23 55	0 13	21 55	0 54	6 30	0 31	15 20	1 42	17 19	17 31	6 24	5 46	2 14		n.a.
T 25	20 6	12 26	3 19	24 25	1 53	14 5	8 2	24 1	4 37	23 54	0 13	21 54	0 54	6 31	0 31	15 20	1 42	17 20	17 31	6 23	5 48	2 10		n.a.
W26	19 52	18 12	4 11	24 14	1 55	14 9	8 3	24 7	4 37	23 54	0 13	21 52	0 54	6 31	0 31	15 20	1 42	17 21	17 32	6 23	5 49	2 7		n.a.
T 27	19 38	22 57	4 47	24 1	1 58	14 12	8 3	24 13	4 38	23 54	0 13	21 51	0 54	6 32	0 31	15 20	1 42	17 21	17 32	6 24	5 50	2 4		n.a.
F 28	19 24	26 23	5 7	23 47	2 0	14 17	8 3	24 18	4 38	23 54	0 13	21 50	0 54	6 32	0 31	15 20	1 42	17 22	17 33	6 25	5 51	2 0		n.a.
S 29	19 9	28 19	5 9	23 30	2 2	14 21	8 2	24 24	4 38	23 53	0 13	21 48	0 54	6 33	0 31	15 20	1 42	17 23	17 33	6 27	5 53	1 57		n.a.
S 30	18 54	28 40	4 56	23 12	2 3	14 27	8 0	24 29	4 37	23 53	0 14	21 47	0 54	6 34	0 31	15 20	1 42	17 24	17 34	6 29	5 54	1 53		n.a.
M31	18s39	27s26	4s28	22s53	2s 4	14s32	7n57	24n35	4n37	23s53	0s14	21s45	0s54	6n34	0s31	15n20	1s42	17n24	17n34	6s32	5s55	1s50		n.a.

Julian Day Number = 1631571.5, Delta T = 03h41m36s
Ecliptic obliquity = 23°43'38, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'59, Lahiri = - 7°20'58 Julian Calendar 1 Jan. 246 BCE == Greg. Calendar 28 Dec. 247 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

FEBRUARY 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 26 25	8♒24'17	26♉30	29♉31	18°R19	1°R 3	4♉38	27♉49	17♈46	16♉28	26°R34	13°R28	15♓ 6	23♓49	n.a.	T 1
W 2	8 30 22	9°24'22	8♒53	1♒17	18♉ 2	0♌40	4°51	27°56	17°48	16°28	26♍33	13♓23	15° 3	23°55	n.a.	W 2
T 3	8 34 18	10°24'26	21° 5	3° 5	17°48	0°17	5° 4	28° 4	17°50	16°28	26°32	13°19	15° 0	24° 2	n.a.	T 3
F 4	8 38 15	11°24'28	3♓ 6	4°54	17°36	29♋54	5°17	28°11	17°51	16°28	26°31	13°17	14°56	24° 9	n.a.	F 4
S 5	8 42 11	12°24'27	15° 0	6°43	17°27	29°32	5°29	28°18	17°53	16°28	26°30	13°D16	14°53	24°15	n.a.	S 5
S 6	8 46 8	13°24'24	26°48	8°34	17°20	29°10	5°42	28°25	17°55	16°28	26°29	13°17	14°50	24°22	n.a.	S 6
M 7	8 50 5	14°24'19	8♈35	10°26	17°15	28°48	5°55	28°32	17°57	16°28	26°28	13°19	14°47	24°28	n.a.	M 7
T 8	8 54 1	15°24'12	20°24	12°19	17°D13	28°27	6° 7	28°39	17°59	16°29	26°27	13°20	14°44	24°35	n.a.	T 8
W 9	8 57 58	16°24'02	2♉20	14°13	17°14	28° 7	6°20	28°46	18° 1	16°29	26°26	13°22	14°40	24°42	n.a.	W 9
T 10	9 1 54	17°23'50	14°28	16° 8	17°16	27°46	6°32	28°53	18° 3	16°29	26°25	13°R23	14°37	24°48	n.a.	T 10
F 11	9 5 51	18°23'36	26°52	18° 4	17°21	27°27	6°44	29° 0	18° 5	16°30	26°23	13°22	14°34	24°55	n.a.	F 11
S 12	9 9 47	19°23'20	9♊38	20° 1	17°29	27° 8	6°57	29° 7	18° 7	16°30	26°22	13°21	14°31	25° 2	n.a.	S 12
S 13	9 13 44	20°23'01	22°48	21°59	17°38	26°50	7° 9	29°14	18° 9	16°31	26°21	13°19	14°28	25° 8	n.a.	S 13
M14	9 17 40	21°22'40	6♋26	23°58	17°50	26°32	7°21	29°21	18°12	16°31	26°20	13°16	14°25	25°15	n.a.	M14
T 15	9 21 37	22°22'16	20°30	25°57	18° 4	26°15	7°33	29°28	18°14	16°32	26°18	13°13	14°21	25°22	n.a.	T 15
W16	9 25 34	23°21'50	4♌58	27°57	18°20	25°59	7°45	29°35	18°16	16°32	26°17	13°10	14°18	25°28	n.a.	W16
T 17	9 29 30	24°21'22	19°45	29°57	18°38	25°43	7°57	29°42	18°18	16°33	26°16	13° 8	14°15	25°35	n.a.	T 17
F 18	9 33 27	25°20'52	4♍45	1♓57	18°57	25°28	8° 9	29°49	18°21	16°33	26°14	13° 7	14°12	25°42	n.a.	F 18
S 19	9 37 23	26°20'19	19°47	3°57	19°19	25°14	8°20	29°56	18°23	16°34	26°13	13°D 7	14° 9	25°48	n.a.	S 19
S 20	9 41 20	27°19'44	4♎44	5°57	19°42	25° 0	8°32	0♒ 3	18°26	16°35	26°11	13° 8	14° 5	25°55	n.a.	S 20
M21	9 45 16	28°19'08	19°29	7°56	20° 8	24°47	8°43	0° 9	18°28	16°35	26°10	13° 9	14° 2	26° 2	n.a.	M21
T 22	9 49 13	29°18'30	3♏56	9°55	20°34	24°35	8°55	0°16	18°31	16°36	26° 9	13°10	13°59	26° 8	n.a.	T 22
W23	9 53 9	0♓17'49	18° 1	11°52	21° 3	24°24	9° 6	0°23	18°33	16°37	26° 7	13°11	13°56	26°15	n.a.	W23
T 24	9 57 6	1°17'07	1♐45	13°47	21°33	24°14	9°18	0°29	18°36	16°38	26° 6	13°R11	13°53	26°21	n.a.	T 24
F 25	10 1 2	2°16'24	15° 8	15°40	22° 4	24° 4	9°29	0°36	18°38	16°39	26° 4	13°11	13°50	26°28	n.a.	F 25
S 26	10 4 59	3°15'38	28°11	17°31	22°37	23°55	9°40	0°42	18°41	16°39	26° 3	13°10	13°46	26°35	n.a.	S 26
S 27	10 8 56	4°14'50	10♑56	19°18	23°11	23°47	9°51	0°49	18°44	16°40	26° 1	13° 9	13°43	26°41	n.a.	S 27
M28	10 12 52	5♓14'01	23♑26	21♓ 3	23♑47	23♋40	10♑ 2	0♒55	18♈46	16♉41	26♍ 0	13♓ 8	13♓40	26♓48	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s23	24s50	3s48	22s31	2s 4	14s38	7n54	24n40	4n37	23s52	0s14	21s44	0s54	6n35	0s31	15n20	1s42	17n25	17n35	6s35	5s56	1s46		n.a.
W 2	18 7	21 6	2 57	22 8	2 4	14 44	7 50	24 44	4 36	23 52	0 14	21 43	0 54	6 36	0 31	15 20	1 42	17 26	17 35	6 37	5 58	1 43		n.a.
T 3	17 51	16 31	1 58	21 42	2 3	14 50	7 45	24 49	4 36	23 52	0 14	21 41	0 55	6 36	0 31	15 20	1 42	17 27	17 35	6 38	5 59	1 39		n.a.
F 4	17 34	11 21	0 55	21 15	2 3	14 57	7 40	24 53	4 35	23 51	0 14	21 40	0 55	6 37	0 31	15 20	1 42	17 28	17 36	6 39	6 0	1 36		n.a.
S 5	17 17	5 50	0n 9	20 46	2 1	15 4	7 35	24 57	4 34	23 51	0 14	21 39	0 55	6 38	0 31	15 20	1 42	17 28	17 36	6 39	6 1	1 32		n.a.
S 6	17 0	0 10	1 14	20 15	1 59	15 11	7 28	25 1	4 33	23 51	0 14	21 37	0 55	6 38	0 31	15 20	1 42	17 29	17 37	6 39	6 3	1 29		n.a.
M 7	16 42	5n30	2 15	19 42	1 57	15 17	7 22	25 5	4 32	23 50	0 15	21 36	0 55	6 39	0 31	15 21	1 42	17 30	17 37	6 38	6 4	1 25		n.a.
T 8	16 25	10 59	3 10	19 7	1 54	15 25	7 15	25 8	4 31	23 50	0 15	21 34	0 55	6 40	0 31	15 21	1 41	17 31	17 38	6 37	6 5	1 22		n.a.
W 9	16 7	16 8	3 58	18 31	1 50	15 32	7 8	25 11	4 30	23 49	0 15	21 33	0 55	6 41	0 31	15 21	1 41	17 32	17 38	6 37	6 6	1 19		n.a.
T 10	15 48	20 45	4 36	17 52	1 46	15 39	7 0	25 14	4 28	23 49	0 15	21 32	0 55	6 42	0 31	15 21	1 41	17 33	17 38	6 37	6 8	1 15		n.a.
F 11	15 30	24 35	5 2	17 12	1 41	15 46	6 53	25 17	4 27	23 48	0 15	21 30	0 55	6 42	0 30	15 21	1 41	17 33	17 39	6 37	6 9	1 12		n.a.
S 12	15 11	27 20	5 14	16 30	1 36	15 53	6 45	25 19	4 26	23 48	0 15	21 29	0 55	6 43	0 30	15 21	1 41	17 34	17 39	6 37	6 10	1 8		n.a.
S 13	14 52	28 42	5 11	15 46	1 30	16 0	6 36	25 21	4 24	23 47	0 15	21 28	0 56	6 44	0 30	15 22	1 41	17 35	17 39	6 38	6 11	1 5		n.a.
M14	14 33	28 24	4 50	15 0	1 24	16 7	6 28	25 23	4 22	23 47	0 16	21 26	0 56	6 45	0 30	15 22	1 41	17 36	17 40	6 39	6 13	1 1		n.a.
T 15	14 13	26 17	4 11	14 13	1 17	16 13	6 19	25 25	4 21	23 46	0 16	21 25	0 56	6 46	0 30	15 22	1 41	17 37	17 40	6 40	6 14	0 58		n.a.
W16	13 54	22 25	3 15	13 24	1 9	16 20	6 11	25 27	4 19	23 46	0 16	21 23	0 56	6 47	0 30	15 22	1 41	17 38	17 41	6 42	6 15	0 54		n.a.
T 17	13 34	17 3	2 6	12 34	1 1	16 26	6 2	25 28	4 17	23 45	0 16	21 22	0 56	6 48	0 30	15 22	1 41	17 38	17 41	6 42	6 16	0 51		n.a.
F 18	13 14	10 36	0 46	11 43	0 52	16 33	5 53	25 29	4 15	23 44	0 16	21 21	0 56	6 49	0 30	15 23	1 41	17 39	17 41	6 43	6 17	0 47		n.a.
S 19	12 53	3 32	0s37	10 50	0 42	16 38	5 44	25 30	4 13	23 44	0 16	21 19	0 56	6 50	0 30	15 23	1 41	17 40	17 41	6 43	6 19	0 44		n.a.
S 20	12 33	3s41	1 57	9 56	0 32	16 44	5 35	25 30	4 11	23 43	0 16	21 18	0 56	6 51	0 30	15 23	1 41	17 41	17 42	6 42	6 20	0 40		n.a.
M21	12 12	10 36	3 8	9 2	0 22	16 50	5 26	25 31	4 9	23 43	0 17	21 17	0 56	6 52	0 30	15 23	1 41	17 42	17 42	6 42	6 21	0 37		n.a.
T 22	11 51	16 49	4 6	8 7	0 11	16 55	5 17	25 31	4 7	23 42	0 17	21 15	0 56	6 52	0 30	15 24	1 41	17 43	17 42	6 42	6 22	0 34		n.a.
W23	11 30	21 59	4 47	7 12	0n 0	16 59	5 8	25 31	4 5	23 41	0 17	21 14	0 57	6 53	0 30	15 24	1 41	17 43	17 43	6 41	6 24	0 30		n.a.
T 24	11 9	25 50	5 11	6 16	0 12	17 4	4 59	25 31	4 3	23 41	0 17	21 13	0 57	6 54	0 30	15 24	1 40	17 44	17 43	6 41	6 25	0 27		n.a.
F 25	10 47	28 8	5 17	5 21	0 24	17 8	4 50	25 30	4 1	23 40	0 17	21 11	0 57	6 56	0 30	15 25	1 40	17 45	17 43	6 41	6 26	0 23		n.a.
S 26	10 26	28 49	5 6	4 26	0 36	17 12	4 40	25 30	3 59	23 39	0 17	21 10	0 57	6 57	0 30	15 25	1 40	17 46	17 43	6 42	6 27	0 20		n.a.
S 27	10 4	27 56	4 41	3 32	0 48	17 15	4 31	25 29	3 56	23 39	0 17	21 9	0 57	6 58	0 30	15 25	1 40	17 47	17 44	6 42	6 29	0 16		n.a.
M28	9s42	25s38	4s 2	2s40	1n 1	17s18	4n22	25n28	3n54	23s38	0s18	21s 7	0s57	6n59	0s30	15n26	1s40	17n48	17n44	6s42	6s30	0s13		n.a.

Julian Day Number = 1631602.5, Delta T = 03h41m34s
Ecliptic obliquity = 23°43'39, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'54, Lahiri = - 7°20'54 Julian Calendar 1 Feb. 246 BCE == Greg. Calendar 28 Jan. 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

MARCH 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 16 49	6♓13'09	5♒44	22♓43	24♑24	23°R33	10♑13	1♒ 2	18♈49	16♉42	25°R58	13°R 7	13♓37	26♓55	n.a.	T 1
W 2	10 20 45	7°12'16	17°52	24°20	25° 2	23♋27	10°23	1° 8	18°52	16°43	25♍56	13♓ 6	13°34	27° 1	n.a.	W 2
T 3	10 24 42	8°11'20	29°51	25°52	25°41	23°22	10°34	1°15	18°55	16°44	25°55	13° 5	13°31	27° 8	n.a.	T 3
F 4	10 28 38	9°10'22	11♓44	27°19	26°21	23°18	10°44	1°21	18°57	16°45	25°53	13°D 5	13°27	27°15	n.a.	F 4
S 5	10 32 35	10° 9'23	23°34	28°41	27° 3	23°15	10°55	1°27	19° 0	16°46	25°52	13° 5	13°24	27°21	n.a.	S 5
S 6	10 36 31	11° 8'20	5♈21	29°58	27°45	23°12	11° 5	1°33	19° 3	16°47	25°50	13° 5	13°21	27°28	n.a.	S 6
M 7	10 40 28	12° 7'16	17° 9	1♈ 9	28°29	23°10	11°15	1°40	19° 6	16°49	25°48	13° 6	13°18	27°35	n.a.	M 7
T 8	10 44 25	13° 6'09	29° 0	2°14	29°13	23° 9	11°25	1°46	19° 9	16°50	25°47	13°R 6	13°15	27°41	n.a.	T 8
W 9	10 48 21	14° 5'00	10♉59	3°14	29°58	23°D 9	11°35	1°52	19°12	16°51	25°45	13° 6	13°11	27°48	n.a.	W 9
T 10	10 52 18	15° 3'49	23° 8	4° 7	0♒44	23° 9	11°45	1°58	19°15	16°52	25°43	13° 5	13° 8	27°55	n.a.	T 10
F 11	10 56 14	16° 2'36	5♊31	4°54	1°31	23°10	11°55	2° 4	19°18	16°53	25°42	13° 5	13° 5	28° 1	n.a.	F 11
S 12	11 0 11	17° 1'20	18°13	5°34	2°19	23°12	12° 5	2°10	19°21	16°55	25°40	13°D 5	13° 2	28° 8	n.a.	S 12
S 13	11 4 7	18° 0'02	1♋17	6° 8	3° 7	23°15	12°14	2°15	19°24	16°56	25°39	13° 5	12°59	28°15	n.a.	S 13
M14	11 8 4	18°58'42	14°46	6°36	3°57	23°18	12°24	2°21	19°27	16°57	25°37	13° 6	12°56	28°21	n.a.	M14
T 15	11 12 0	19°57'19	28°42	6°57	4°47	23°22	12°33	2°27	19°30	16°59	25°35	13° 6	12°52	28°28	n.a.	T 15
W16	11 15 57	20°55'54	13♌ 4	7°12	5°37	23°27	12°42	2°33	19°33	17° 0	25°33	13° 7	12°49	28°34	n.a.	W16
T 17	11 19 53	21°54'26	27°49	7°20	6°28	23°32	12°51	2°38	19°37	17° 2	25°32	13° 7	12°46	28°41	n.a.	T 17
F 18	11 23 50	22°52'56	12♍52	7°R23	7°20	23°38	13° 0	2°44	19°40	17° 3	25°30	13°R 8	12°43	28°48	n.a.	F 18
S 19	11 27 47	23°51'25	28° 4	7°19	8°13	23°45	13° 9	2°49	19°43	17° 5	25°28	13° 7	12°40	28°54	n.a.	S 19
S 20	11 31 43	24°49'51	13♎16	7° 9	9° 6	23°52	13°17	2°55	19°46	17° 6	25°27	13° 7	12°37	29° 1	n.a.	S 20
M21	11 35 40	25°48'15	28°19	6°54	10° 0	24° 0	13°26	3° 0	19°49	17° 8	25°25	13° 5	12°33	29° 8	n.a.	M21
T 22	11 39 36	26°46'38	13♏ 3	6°34	10°54	24° 9	13°34	3° 5	19°53	17° 9	25°23	13° 4	12°30	29°14	n.a.	T 22
W23	11 43 33	27°44'59	27°24	6° 9	11°49	24°18	13°43	3°11	19°56	17°11	25°22	13° 2	12°27	29°21	n.a.	W23
T 24	11 47 29	28°43'19	11♐18	5°40	12°44	24°28	13°51	3°16	19°59	17°12	25°20	13° 1	12°24	29°28	n.a.	T 24
F 25	11 51 26	29°41'36	24°46	5° 8	13°40	24°38	13°59	3°21	20° 2	17°14	25°18	13°D 0	12°21	29°34	n.a.	F 25
S 26	11 55 22	0♈39'53	7♑48	4°33	14°36	24°49	14° 7	3°26	20° 6	17°16	25°17	13° 0	12°17	29°41	n.a.	S 26
S 27	11 59 19	1°38'07	20°28	3°55	15°33	25° 0	14°14	3°31	20° 9	17°17	25°15	13° 1	12°14	29°48	n.a.	S 27
M28	12 3 16	2°36'20	2♒50	3°16	16°31	25°12	14°22	3°36	20°12	17°19	25°13	13° 2	12°11	29°54	n.a.	M28
T 29	12 7 12	3°34'31	14°58	2°36	17°28	25°25	14°29	3°41	20°16	17°21	25°12	13° 4	12° 8	0♈ 1	n.a.	T 29
W30	12 11 9	4°32'41	26°56	1°56	18°26	25°38	14°37	3°45	20°19	17°22	25°10	13° 5	12° 5	0° 8	n.a.	W30
T 31	12 15 5	5♈30'49	8♓47	1♈17	19♒25	25♋52	14♑44	3♒50	20♈22	17♉24	25♍ 8	13°R 6	12♓ 2	0♈14	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9s20	22s11	3s13	1s48	1n13	17s20	4n14	25n27	3n52	23s37	0s18	21s 6	0s57	7n 0	0s30	15n26	1s40	17n48	17n44	6s43	6s31	0s 9			n.a.
W 2	8 58	17 49	2 16	0 58	1 26	17 22	4 5	25 26	3 49	23 37	0 18	21 5	0 57	7 1	0 30	15 26	1 40	17 49	17 44	6 43	6 32	0 6			n.a.
T 3	8 36	12 48	1 13	0 10	1 38	17 24	3 56	25 24	3 47	23 36	0 18	21 3	0 58	7 2	0 30	15 27	1 40	17 50	17 44	6 43	6 34	0 2			n.a.
F 4	8 14	7 21	0 7	0n35	1 50	17 25	3 47	25 23	3 45	23 35	0 18	21 2	0 58	7 3	0 30	15 27	1 40	17 51	17 45	6 43	6 35	0n 1			n.a.
S 5	7 51	1 42	0n58	1 19	2 1	17 26	3 38	25 21	3 43	23 35	0 18	21 1	0 58	7 4	0 30	15 27	1 40	17 52	17 45	6 43	6 36	0 4			n.a.
S 6	7 28	3n59	2 1	2 0	2 12	17 26	3 30	25 19	3 40	23 34	0 19	21 0	0 58	7 5	0 30	15 28	1 40	17 52	17 45	6 43	6 37	0 8			n.a.
M 7	7 6	9 33	2 58	2 38	2 22	17 26	3 21	25 17	3 38	23 33	0 19	20 58	0 58	7 6	0 30	15 28	1 40	17 53	17 45	6 43	6 38	0 11			n.a.
T 8	6 43	14 48	3 49	3 13	2 32	17 25	3 13	25 15	3 35	23 33	0 19	20 57	0 58	7 8	0 30	15 28	1 40	17 54	17 45	6 43	6 40	0 15			n.a.
W 9	6 20	19 33	4 29	3 45	2 41	17 24	3 4	25 13	3 33	23 32	0 19	20 56	0 58	7 9	0 30	15 29	1 40	17 55	17 45	6 43	6 41	0 18			n.a.
T 10	5 57	23 35	4 59	4 14	2 49	17 22	2 56	25 10	3 31	23 31	0 19	20 55	0 58	7 10	0 30	15 29	1 40	17 56	17 46	6 43	6 42	0 22			n.a.
F 11	5 34	26 39	5 15	4 40	2 56	17 20	2 48	25 8	3 28	23 30	0 19	20 53	0 59	7 11	0 30	15 30	1 40	17 56	17 46	6 43	6 43	0 25			n.a.
S 12	5 11	28 27	5 16	5 2	3 3	17 17	2 40	25 5	3 26	23 30	0 20	20 52	0 59	7 12	0 30	15 30	1 40	17 57	17 46	6 43	6 45	0 29			n.a.
S 13	4 48	28 45	5 2	5 20	3 8	17 14	2 32	25 3	3 24	23 29	0 20	20 51	0 59	7 13	0 30	15 30	1 39	17 58	17 46	6 43	6 46	0 32			n.a.
M14	4 25	27 23	4 31	5 35	3 12	17 10	2 24	25 0	3 21	23 28	0 20	20 50	0 59	7 15	0 30	15 31	1 39	17 59	17 46	6 43	6 47	0 36			n.a.
T 15	4 1	24 18	3 43	5 46	3 15	17 6	2 16	24 57	3 19	23 28	0 20	20 49	0 59	7 16	0 30	15 31	1 39	17 59	17 46	6 43	6 48	0 39			n.a.
W16	3 38	19 38	2 39	5 54	3 17	17 1	2 8	24 54	3 17	23 27	0 20	20 47	0 59	7 17	0 30	15 32	1 39	18 0	17 46	6 43	6 50	0 43			n.a.
T 17	3 15	13 41	1 24	5 58	3 17	16 56	2 1	24 50	3 14	23 26	0 20	20 46	0 59	7 18	0 30	15 32	1 39	18 1	17 46	6 42	6 51	0 46			n.a.
F 18	2 51	6 50	0 1	5 58	3 16	16 50	1 53	24 47	3 12	23 25	0 21	20 45	1 0	7 19	0 30	15 33	1 39	18 1	17 46	6 42	6 52	0 49			n.a.
S 19	2 28	0s29	1s22	5 54	3 14	16 44	1 46	24 44	3 10	23 25	0 21	20 44	1 0	7 21	0 30	15 33	1 39	18 2	17 46	6 42	6 53	0 53			n.a.
S 20	2 5	7 45	2 40	5 47	3 10	16 37	1 38	24 40	3 8	23 24	0 21	20 43	1 0	7 22	0 30	15 34	1 39	18 3	17 46	6 43	6 54	0 56			n.a.
M21	1 41	14 30	3 45	5 36	3 5	16 30	1 31	24 36	3 5	23 23	0 21	20 42	1 0	7 23	0 30	15 34	1 39	18 4	17 46	6 43	6 56	1 0			n.a.
T 22	1 18	20 18	4 34	5 21	2 58	16 22	1 24	24 33	3 3	23 23	0 21	20 41	1 0	7 24	0 30	15 35	1 39	18 4	17 46	6 44	6 57	1 3			n.a.
W23	0 54	24 45	5 5	5 4	2 50	16 13	1 17	24 29	3 1	23 22	0 21	20 40	1 0	7 26	0 30	15 35	1 39	18 5	17 46	6 45	6 58	1 7			n.a.
T 24	0 31	27 38	5 16	4 44	2 41	16 4	1 10	24 25	2 59	23 21	0 22	20 39	1 0	7 27	0 30	15 36	1 39	18 6	17 46	6 45	6 59	1 10			n.a.
F 25	0 7	28 47	5 10	4 21	2 30	15 55	1 3	24 21	2 56	23 21	0 22	20 37	1 1	7 28	0 30	15 36	1 39	18 6	17 46	6 45	7 1	1 14			n.a.
S 26	0n16	28 17	4 48	3 56	2 18	15 45	0 57	24 17	2 54	23 20	0 22	20 36	1 1	7 30	0 30	15 37	1 39	18 7	17 46	6 45	7 2	1 17			n.a.
S 27	0 39	26 17	4 12	3 29	2 5	15 34	0 50	24 12	2 52	23 19	0 22	20 35	1 1	7 31	0 30	15 37	1 39	18 7	17 46	6 45	7 3	1 20			n.a.
M28	1 3	23 5	3 25	3 0	1 50	15 23	0 44	24 8	2 50	23 19	0 22	20 34	1 1	7 32	0 30	15 38	1 39	18 8	17 46	6 44	7 4	1 24			n.a.
T 29	1 26	18 55	2 29	2 30	1 35	15 11	0 37	24 3	2 48	23 18	0 23	20 33	1 1	7 33	0 29	15 38	1 39	18 9	17 46	6 44	7 6	1 27			n.a.
W30	1 50	14 4	1 28	2 0	1 20	14 59	0 31	23 59	2 46	23 18	0 23	20 32	1 1	7 35	0 29	15 39	1 39	18 9	17 46	6 43	7 7	1 31			n.a.
T 31	2n13	8s44	0s24	1n29	1n 4	14s47	0n25	23n54	2n43	23s17	0s23	20s31	1s 2	7n36	0s29	15n39	1s39	18n10	17n46	6s43	7s 8	1n34			n.a.

Julian Day Number = 1631630.5, Delta T = 03h41m34s
Ecliptic obliquity = 23°43'39, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'51, Lahiri = - 7°20'50 Julian Calendar 1 March 246 BCE == Greg. Calendar 25 Feb. 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

APRIL 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 19 2	6♈28'55	20♓35	0°R39	20♒23	26♋ 6	14♉51	3♒55	20♈26	17♉26	25°R 7	13°R 6	11♓58	0♈21	n.a.	F 1
S 2	12 22 58	7°27'00	2♈22	0♈ 3	21°23	26°21	14°58	3°59	20°29	17°28	25♍ 5	13♓ 5	11°55	0°28	n.a.	S 2
S 3	12 26 55	8°25'02	14°11	29♓30	22°22	26°36	15° 4	4° 4	20°33	17°29	25° 3	13° 2	11°52	0°34	n.a.	S 3
M 4	12 30 51	9°23'03	26° 3	29° 0	23°22	26°51	15°11	4° 8	20°36	17°31	25° 2	12°58	11°49	0°41	n.a.	M 4
T 5	12 34 48	10°21'03	8♉ 1	28°33	24°22	27° 7	15°17	4°12	20°40	17°33	25° 0	12°54	11°46	0°47	n.a.	T 5
W 6	12 38 44	11°19'00	20° 6	28°10	25°23	27°24	15°23	4°17	20°43	17°35	24°58	12°49	11°42	0°54	n.a.	W 6
T 7	12 42 41	12°16'56	2♊22	27°51	26°24	27°41	15°29	4°21	20°46	17°37	24°57	12°44	11°39	1° 1	n.a.	T 7
F 8	12 46 38	13°14'50	14°50	27°36	27°25	27°59	15°35	4°25	20°50	17°39	24°55	12°41	11°36	1° 7	n.a.	F 8
S 9	12 50 34	14°12'42	27°33	27°26	28°26	28°16	15°41	4°29	20°53	17°41	24°54	12°38	11°33	1°14	n.a.	S 9
S 10	12 54 31	15°10'32	10♋35	27°20	29°28	28°35	15°47	4°33	20°57	17°43	24°52	12°D37	11°30	1°21	n.a.	S 10
M11	12 58 27	16° 8'21	23°57	27°D19	0♓30	28°54	15°52	4°37	21° 0	17°45	24°50	12°37	11°27	1°27	n.a.	M11
T 12	13 2 24	17° 6'07	7♌42	27°23	1°32	29°13	15°57	4°40	21° 4	17°47	24°49	12°38	11°23	1°34	n.a.	T 12
W13	13 6 20	18° 3'52	21°51	27°31	2°35	29°32	16° 3	4°44	21° 7	17°49	24°47	12°39	11°20	1°41	n.a.	W13
T 14	13 10 17	19° 1'34	6♍23	27°44	3°37	29°52	16° 8	4°48	21°11	17°51	24°46	12°R40	11°17	1°47	n.a.	T 14
F 15	13 14 14	19°59'15	21°14	28° 2	4°40	0♌13	16°12	4°51	21°14	17°53	24°44	12°40	11°14	1°54	n.a.	F 15
S 16	13 18 10	20°56'55	6♎20	28°24	5°43	0°33	16°17	4°55	21°18	17°55	24°43	12°39	11°11	2° 1	n.a.	S 16
S 17	13 22 7	21°54'33	21°31	28°50	6°47	0°54	16°21	4°58	21°21	17°57	24°41	12°35	11° 8	2° 7	n.a.	S 17
M18	13 26 3	22°52'09	6♏37	29°20	7°51	1°16	16°26	5° 1	21°24	17°59	24°40	12°30	11° 4	2°14	n.a.	M18
T 19	13 30 0	23°49'45	21°29	29°55	8°54	1°38	16°30	5° 4	21°28	18° 1	24°39	12°24	11° 1	2°21	n.a.	T 19
W20	13 33 56	24°47'19	5♐59	0♈33	9°58	2° 0	16°34	5° 7	21°31	18° 3	24°37	12°18	10°58	2°27	n.a.	W20
T 21	13 37 53	25°44'52	20° 3	1°15	11° 3	2°22	16°37	5°10	21°35	18° 5	24°36	12°12	10°55	2°34	n.a.	T 21
F 22	13 41 49	26°42'24	3♑37	2° 1	12° 7	2°45	16°41	5°13	21°38	18° 7	24°34	12° 8	10°52	2°41	n.a.	F 22
S 23	13 45 46	27°39'55	16°44	2°51	13°12	3° 8	16°44	5°16	21°42	18° 9	24°33	12° 6	10°48	2°47	n.a.	S 23
S 24	13 49 43	28°37'25	29°25	3°44	14°17	3°31	16°47	5°19	21°45	18°11	24°32	12°D 5	10°45	2°54	n.a.	S 24
M25	13 53 39	29°34'54	11♒46	4°40	15°22	3°55	16°51	5°21	21°49	18°13	24°30	12° 6	10°42	3° 1	n.a.	M25
T 26	13 57 36	0♉32'22	23°51	5°40	16°27	4°19	16°53	5°24	21°52	18°16	24°29	12° 7	10°39	3° 7	n.a.	T 26
W27	14 1 32	1°29'50	5♓45	6°42	17°33	4°44	16°56	5°26	21°56	18°18	24°28	12° 8	10°36	3°14	n.a.	W27
T 28	14 5 29	2°27'16	17°33	7°48	18°38	5° 8	16°58	5°29	21°59	18°20	24°27	12°R 8	10°33	3°21	n.a.	T 28
F 29	14 9 25	3°24'41	29°20	8°57	19°44	5°33	17° 1	5°31	22° 2	18°22	24°25	12° 7	10°29	3°27	n.a.	F 29
S 30	14 13 22	4♉22'06	11♈ 8	10♈ 9	20♓50	5♌58	17♑ 3	5♒33	22♈ 6	18♉24	24♍24	12♓ 3	10♓26	3♈34	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n36	3s 9	0n41	0n59	0n47	14s34	0n19	23n49	2n41	23s16	0s23	20s30	1s 2	7n37	0s29	15n40	1s39	18n10	17n45	6s43	7s 9	1n38		n.a.
S 2	2 59	2n32	1 44	0 29	0 30	14 20	0 13	23 45	2 39	23 16	0 23	20 30	1 2	7 39	0 29	15 40	1 38	18 11	17 45	6 44	7 10	1 41		n.a.
S 3	3 23	8 9	2 43	0 0	0 13	14 6	0 8	23 40	2 37	23 15	0 23	20 29	1 2	7 40	0 29	15 41	1 38	18 11	17 45	6 45	7 12	1 45		n.a.
M 4	3 46	13 30	3 34	0s27	0s 3	13 52	0 2	23 34	2 35	23 15	0 24	20 28	1 2	7 41	0 29	15 41	1 38	18 12	17 45	6 46	7 13	1 48		n.a.
T 5	4 9	18 24	4 17	0 53	0 20	13 37	0s 4	23 29	2 33	23 14	0 24	20 27	1 2	7 42	0 29	15 42	1 38	18 12	17 45	6 48	7 14	1 51		n.a.
W 6	4 32	22 37	4 49	1 17	0 36	13 21	0 9	23 24	2 31	23 14	0 24	20 26	1 3	7 44	0 29	15 43	1 38	18 13	17 45	6 50	7 15	1 55		n.a.
T 7	4 55	25 54	5 8	1 39	0 51	13 5	0 14	23 19	2 29	23 13	0 24	20 25	1 3	7 45	0 29	15 43	1 38	18 13	17 45	6 51	7 17	1 58		n.a.
F 8	5 17	28 2	5 13	1 59	1 6	12 49	0 19	23 13	2 27	23 13	0 24	20 24	1 3	7 46	0 29	15 44	1 38	18 14	17 44	6 53	7 18	2 2		n.a.
S 9	5 40	28 45	5 2	2 16	1 21	12 32	0 24	23 8	2 25	23 12	0 25	20 24	1 3	7 48	0 29	15 44	1 38	18 14	17 44	6 54	7 19	2 5		n.a.
S 10	6 3	27 54	4 37	2 30	1 34	12 15	0 29	23 2	2 23	23 12	0 25	20 23	1 3	7 49	0 29	15 45	1 38	18 15	17 44	6 54	7 20	2 9		n.a.
M11	6 25	25 26	3 55	2 42	1 47	11 57	0 34	22 56	2 21	23 11	0 25	20 22	1 3	7 50	0 29	15 45	1 38	18 15	17 44	6 54	7 21	2 12		n.a.
T 12	6 48	21 27	2 59	2 52	1 59	11 39	0 39	22 50	2 20	23 11	0 25	20 21	1 4	7 52	0 29	15 46	1 38	18 16	17 44	6 54	7 23	2 16		n.a.
W13	7 10	16 9	1 51	2 59	2 10	11 21	0 43	22 44	2 18	23 10	0 26	20 20	1 4	7 53	0 29	15 47	1 38	18 16	17 43	6 53	7 24	2 19		n.a.
T 14	7 32	9 49	0 34	3 3	2 20	11 2	0 48	22 38	2 16	23 10	0 26	20 20	1 4	7 54	0 29	15 47	1 38	18 16	17 43	6 53	7 25	2 22		n.a.
F 15	7 54	2 48	0s47	3 4	2 29	10 43	0 52	22 32	2 14	23 10	0 26	20 19	1 4	7 56	0 29	15 48	1 38	18 17	17 43	6 53	7 26	2 26		n.a.
S 16	8 16	4s27	2 5	3 3	2 37	10 23	0 56	22 25	2 12	23 9	0 26	20 18	1 4	7 57	0 29	15 48	1 38	18 17	17 43	6 54	7 28	2 29		n.a.
S 17	8 38	11 30	3 15	2 59	2 45	10 3	1 0	22 19	2 10	23 9	0 26	20 18	1 4	7 58	0 29	15 49	1 38	18 18	17 42	6 55	7 29	2 33		n.a.
M18	9 0	17 50	4 11	2 53	2 51	9 43	1 4	22 12	2 9	23 9	0 27	20 17	1 5	8 0	0 29	15 50	1 38	18 18	17 42	6 57	7 30	2 36		n.a.
T 19	9 21	23 0	4 50	2 44	2 57	9 22	1 8	22 6	2 7	23 8	0 27	20 17	1 5	8 1	0 29	15 50	1 38	18 18	17 42	6 59	7 31	2 40		n.a.
W20	9 43	26 37	5 8	2 33	3 2	9 1	1 11	21 59	2 5	23 8	0 27	20 16	1 5	8 2	0 29	15 51	1 38	18 18	17 41	7 2	7 32	2 43		n.a.
T 21	10 4	28 27	5 7	2 20	3 6	8 40	1 15	21 52	2 3	23 8	0 27	20 15	1 5	8 4	0 29	15 51	1 38	18 19	17 41	7 4	7 34	2 46		n.a.
F 22	10 25	28 29	4 48	2 4	3 9	8 18	1 18	21 45	2 2	23 8	0 27	20 15	1 5	8 5	0 29	15 52	1 38	18 19	17 41	7 5	7 35	2 50		n.a.
S 23	10 46	26 53	4 15	1 46	3 11	7 56	1 22	21 38	2 0	23 7	0 28	20 14	1 6	8 6	0 29	15 53	1 38	18 19	17 40	7 6	7 36	2 53		n.a.
S 24	11 7	23 57	3 30	1 26	3 13	7 34	1 25	21 31	1 58	23 7	0 28	20 14	1 6	8 8	0 29	15 53	1 38	18 19	17 40	7 7	7 37	2 57		n.a.
M25	11 27	19 58	2 37	1 5	3 13	7 11	1 28	21 24	1 57	23 7	0 28	20 13	1 6	8 9	0 29	15 54	1 38	18 20	17 40	7 6	7 39	3 0		n.a.
T 26	11 48	15 15	1 37	0 41	3 13	6 48	1 31	21 16	1 55	23 7	0 28	20 13	1 6	8 10	0 29	15 55	1 38	18 20	17 39	7 6	7 40	3 4		n.a.
W27	12 8	10 3	0 34	0 15	3 13	6 25	1 34	21 9	1 53	23 7	0 29	20 13	1 6	8 11	0 29	15 55	1 38	18 20	17 39	7 5	7 41	3 7		n.a.
T 28	12 28	4 32	0n29	0n13	3 11	6 2	1 37	21 1	1 52	23 7	0 29	20 12	1 7	8 13	0 29	15 56	1 38	18 20	17 39	7 5	7 42	3 10		n.a.
F 29	12 48	1n 7	1 31	0 42	3 9	5 38	1 39	20 53	1 50	23 7	0 29	20 12	1 7	8 14	0 29	15 56	1 38	18 20	17 38	7 6	7 43	3 14		n.a.
S 30	13n 8	6n45	2n30	1n13	3s 6	5s14	1s42	20n45	1n48	23s 6	0s29	20s11	1s 7	8n15	0s29	15n57	1s38	18n20	17n38	7s 8	7s45	3n17		n.a.

Julian Day Number = 1631661.5, Delta T = 03h41m33s
Ecliptic obliquity = 23°43'39, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'46, Lahiri = - 7°20'46 Julian Calendar 1 Apr. 246 BCE == Greg. Calendar 28 March 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

MAY 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 17 18	5♉19'29	23♈ 1	11♈24	21♓56	6♌24	17♑ 5	5♒35	22♈ 9	18♉26	24°R23	11°R57	10♓23	3♈41	n.a.	S 1
M 2	14 21 15	6°16'52	5♉ 1	12°42	23° 2	6°50	17° 6	5°37	22°13	18°29	24♍22	11♓48	10°20	3°47	n.a.	M 2
T 3	14 25 11	7°14'13	17° 9	14° 2	24° 8	7°16	17° 8	5°39	22°16	18°31	24°21	11°39	10°17	3°54	n.a.	T 3
W 4	14 29 8	8°11'34	29°27	15°25	25°15	7°42	17° 9	5°41	22°19	18°33	24°20	11°28	10°14	4° 1	n.a.	W 4
T 5	14 33 5	9° 8'54	11♊55	16°51	26°21	8° 9	17°11	5°43	22°23	18°35	24°19	11°18	10°10	4° 7	n.a.	T 5
F 6	14 37 1	10° 6'13	24°35	18°20	27°28	8°36	17°12	5°44	22°26	18°38	24°17	11°10	10° 7	4°14	n.a.	F 6
S 7	14 40 58	11° 3'30	7♋28	19°51	28°35	9° 3	17°12	5°46	22°30	18°40	24°16	11° 3	10° 4	4°20	n.a.	S 7
S 8	14 44 54	12° 0'47	20°35	21°26	29°42	9°30	17°13	5°47	22°33	18°42	24°15	10°59	10° 1	4°27	n.a.	S 8
M 9	14 48 51	12°58'03	3♌57	23° 2	0♈49	9°58	17°13	5°48	22°36	18°44	24°15	10°57	9°58	4°34	n.a.	M 9
T 10	14 52 47	13°55'17	17°37	24°42	1°56	10°25	17°13	5°50	22°39	18°46	24°14	10°D56	9°54	4°40	n.a.	T 10
W11	14 56 44	14°52'31	1♍35	26°24	3° 4	10°53	17°R13	5°51	22°43	18°49	24°13	10°57	9°51	4°47	n.a.	W11
T 12	15 0 41	15°49'43	15°51	28° 8	4°11	11°22	17°13	5°52	22°46	18°51	24°12	10°R57	9°48	4°54	n.a.	T 12
F 13	15 4 37	16°46'55	0♎25	29°55	5°19	11°50	17°13	5°53	22°49	18°53	24°11	10°56	9°45	5° 0	n.a.	F 13
S 14	15 8 34	17°44'05	15°12	1♉45	6°26	12°19	17°12	5°53	22°52	18°55	24°10	10°52	9°42	5° 7	n.a.	S 14
S 15	15 12 30	18°41'15	0♏ 7	3°37	7°34	12°48	17°12	5°54	22°56	18°58	24° 9	10°46	9°39	5°14	n.a.	S 15
M16	15 16 27	19°38'24	15° 1	5°32	8°42	13°17	17°11	5°55	22°59	19° 0	24° 8	10°37	9°35	5°20	n.a.	M16
T 17	15 20 23	20°35'33	29°46	7°29	9°50	13°46	17°10	5°55	23° 2	19° 2	24° 8	10°28	9°32	5°27	n.a.	T 17
W18	15 24 20	21°32'42	14♐13	9°28	10°58	14°16	17° 8	5°56	23° 5	19° 4	24° 7	10°17	9°29	5°34	n.a.	W18
T 19	15 28 16	22°29'50	28°17	11°29	12° 6	14°46	17° 7	5°56	23° 8	19° 7	24° 6	10° 8	9°26	5°40	n.a.	T 19
F 20	15 32 13	23°26'57	11♑54	13°33	13°15	15°16	17° 5	5°56	23°11	19° 9	24° 6	10° 0	9°23	5°47	n.a.	F 20
S 21	15 36 10	24°24'05	25° 3	15°38	14°23	15°46	17° 3	5°56	23°15	19°11	24° 5	9°54	9°20	5°54	n.a.	S 21
S 22	15 40 6	25°21'13	7♒47	17°45	15°32	16°16	17° 1	5°R56	23°18	19°13	24° 4	9°51	9°16	6° 0	n.a.	S 22
M23	15 44 3	26°18'20	20°10	19°53	16°40	16°47	16°59	5°56	23°21	19°15	24° 4	9°50	9°13	6° 7	n.a.	M23
T 24	15 47 59	27°15'27	2♓16	22° 2	17°49	17°17	16°56	5°56	23°24	19°18	24° 3	9°D50	9°10	6°14	n.a.	T 24
W25	15 51 56	28°12'35	14°10	24°12	18°58	17°48	16°54	5°56	23°27	19°20	24° 3	9°R50	9° 7	6°20	n.a.	W25
T 26	15 55 52	29° 9'42	25°59	26°23	20° 7	18°20	16°51	5°55	23°30	19°22	24° 2	9°49	9° 4	6°27	n.a.	T 26
F 27	15 59 49	0♊ 6'49	7♈47	28°34	21°16	18°51	16°48	5°55	23°33	19°24	24° 2	9°46	9° 0	6°34	n.a.	F 27
S 28	16 3 45	1° 3'57	19°38	0♊44	22°25	19°22	16°45	5°54	23°36	19°27	24° 2	9°41	8°57	6°40	n.a.	S 28
S 29	16 7 42	2° 1'04	1♉37	2°55	23°34	19°54	16°41	5°54	23°38	19°29	24° 1	9°33	8°54	6°47	n.a.	S 29
M30	16 11 39	2°58'12	13°45	5° 5	24°43	20°26	16°38	5°53	23°41	19°31	24° 1	9°23	8°51	6°54	n.a.	M30
T 31	16 15 35	3♊55'19	26♉ 6	7♊15	25♈53	20♌58	16♑34	5♒52	23♈44	19♉33	24♍ 1	9♓10	8♓48	7♈ 0	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	13n27	12n10	3n21	1n46	3s 3	4s50	1s44	20n37	1n47	23s 6	0s29	20s11	1s 7	8n17	0s29	15n58	1s38	18n21	17n37	7s10	7s46	3n21		n.a.	S 1
M 2	13 47	17 11	4 5	2 20	2 59	4 25	1 46	20 29	1 45	23 6	0 30	20 11	1 7	8 18	0 29	15 58	1 38	18 21	17 37	7 13	7 47	3 24		n.a.	M 2
T 3	14 6	21 35	4 38	2 56	2 54	4 1	1 49	20 21	1 44	23 6	0 30	20 10	1 7	8 19	0 29	15 59	1 38	18 21	17 37	7 17	7 48	3 28		n.a.	T 3
W 4	14 24	25 7	4 58	3 33	2 48	3 36	1 51	20 12	1 42	23 7	0 30	20 10	1 8	8 20	0 29	16 0	1 38	18 21	17 36	7 21	7 49	3 31		n.a.	W 4
T 5	14 43	27 31	5 5	4 12	2 42	3 11	1 53	20 4	1 41	23 7	0 30	20 10	1 8	8 22	0 29	16 0	1 38	18 21	17 36	7 25	7 51	3 34		n.a.	T 5
F 6	15 1	28 33	4 56	4 52	2 36	2 46	1 54	19 55	1 39	23 7	0 31	20 10	1 8	8 23	0 29	16 1	1 37	18 21	17 35	7 28	7 52	3 38		n.a.	F 6
S 7	15 20	28 4	4 33	5 34	2 29	2 21	1 56	19 47	1 38	23 7	0 31	20 10	1 8	8 24	0 29	16 1	1 37	18 21	17 35	7 31	7 53	3 41		n.a.	S 7
S 8	15 37	26 0	3 55	6 16	2 21	1 55	1 58	19 38	1 36	23 7	0 31	20 9	1 8	8 25	0 29	16 2	1 37	18 21	17 34	7 32	7 54	3 45		n.a.	S 8
M 9	15 55	22 29	3 4	7 0	2 13	1 29	1 59	19 29	1 35	23 7	0 31	20 9	1 9	8 27	0 29	16 3	1 37	18 21	17 34	7 33	7 56	3 48		n.a.	M 9
T 10	16 12	17 40	2 1	7 45	2 5	1 4	2 1	19 20	1 33	23 7	0 31	20 9	1 9	8 28	0 29	16 3	1 37	18 21	17 34	7 33	7 57	3 51		n.a.	T 10
W11	16 30	11 49	0 50	8 30	1 56	0 38	2 2	19 11	1 32	23 8	0 32	20 9	1 9	8 29	0 29	16 4	1 37	18 21	17 33	7 33	7 58	3 55		n.a.	W11
T 12	16 47	5 15	0s26	9 17	1 46	0 12	2 3	19 1	1 30	23 8	0 32	20 9	1 9	8 30	0 29	16 5	1 37	18 21	17 33	7 33	7 59	3 58		n.a.	T 12
F 13	17 3	1s43	1 42	10 4	1 37	0n14	2 4	18 52	1 29	23 8	0 32	20 9	1 9	8 32	0 29	16 5	1 37	18 21	17 32	7 33	8 0	4 2		n.a.	F 13
S 14	17 19	8 41	2 52	10 52	1 27	0 41	2 5	18 42	1 27	23 8	0 32	20 9	1 10	8 33	0 29	16 6	1 37	18 21	17 32	7 35	8 2	4 5		n.a.	S 14
S 15	17 36	15 14	3 50	11 41	1 16	1 7	2 6	18 33	1 26	23 9	0 33	20 9	1 10	8 34	0 29	16 6	1 37	18 20	17 31	7 37	8 3	4 8		n.a.	S 15
M16	17 51	20 53	4 33	12 30	1 5	1 33	2 7	18 23	1 25	23 9	0 33	20 9	1 10	8 35	0 29	16 7	1 37	18 20	17 31	7 40	8 4	4 12		n.a.	M16
T 17	18 7	25 11	4 57	13 19	0 55	2 0	2 7	18 13	1 23	23 10	0 33	20 9	1 10	8 36	0 29	16 8	1 37	18 20	17 30	7 44	8 5	4 15		n.a.	T 17
W18	18 22	27 46	5 2	14 8	0 44	2 26	2 8	18 3	1 22	23 10	0 33	20 9	1 10	8 38	0 29	16 8	1 37	18 20	17 30	7 48	8 6	4 19		n.a.	W18
T 19	18 37	28 30	4 47	14 57	0 33	2 53	2 8	17 53	1 20	23 10	0 34	20 9	1 11	8 39	0 29	16 9	1 37	18 20	17 29	7 52	8 8	4 22		n.a.	T 19
F 20	18 52	27 27	4 17	15 45	0 21	3 19	2 9	17 43	1 19	23 11	0 34	20 9	1 11	8 40	0 29	16 10	1 37	18 20	17 29	7 55	8 9	4 25		n.a.	F 20
S 21	19 6	24 53	3 34	16 33	0 10	3 46	2 9	17 32	1 18	23 11	0 34	20 10	1 11	8 41	0 29	16 10	1 37	18 19	17 28	7 57	8 10	4 29		n.a.	S 21
S 22	19 20	21 8	2 41	17 20	0n 1	4 12	2 9	17 22	1 16	23 12	0 34	20 10	1 11	8 42	0 29	16 11	1 37	18 19	17 28	7 58	8 11	4 32		n.a.	S 22
M23	19 34	16 33	1 42	18 6	0 11	4 39	2 9	17 11	1 15	23 12	0 35	20 10	1 11	8 43	0 29	16 11	1 37	18 19	17 27	7 58	8 12	4 36		n.a.	M23
T 24	19 47	11 25	0 40	18 51	0 22	5 5	2 9	17 0	1 14	23 13	0 35	20 10	1 12	8 44	0 29	16 12	1 37	18 19	17 27	7 58	8 14	4 39		n.a.	T 24
W25	20 0	5 57	0n23	19 34	0 32	5 32	2 9	16 50	1 12	23 13	0 35	20 10	1 12	8 46	0 29	16 13	1 37	18 18	17 26	7 58	8 15	4 42		n.a.	W25
T 26	20 13	0 20	1 25	20 15	0 42	5 58	2 8	16 39	1 11	23 14	0 35	20 11	1 12	8 47	0 29	16 13	1 37	18 18	17 25	7 59	8 16	4 46		n.a.	T 26
F 27	20 25	5n18	2 22	20 55	0 51	6 25	2 8	16 28	1 10	23 15	0 36	20 11	1 12	8 48	0 29	16 14	1 37	18 18	17 25	8 0	8 17	4 49		n.a.	F 27
S 28	20 37	10 45	3 14	21 32	1 0	6 51	2 8	16 16	1 9	23 15	0 36	20 11	1 12	8 49	0 29	16 14	1 37	18 17	17 24	8 2	8 18	4 53		n.a.	S 28
S 29	20 49	15 53	3 58	22 7	1 8	7 17	2 7	16 5	1 7	23 16	0 36	20 12	1 13	8 50	0 29	16 15	1 37	18 17	17 24	8 5	8 20	4 56		n.a.	S 29
M30	21 0	20 28	4 31	22 39	1 16	7 44	2 7	15 54	1 6	23 17	0 36	20 12	1 13	8 51	0 29	16 16	1 37	18 17	17 23	8 9	8 21	4 59		n.a.	M30
T 31	21n11	24n14	4n52	23n 9	1n23	8n10	2s 6	15n42	1n 5	23s17	0s36	20s13	1s13	8n52	0s29	16n16	1s37	18n16	17n23	8s14	8s22	5n 3		n.a.	T 31

Julian Day Number = 1631691.5, Delta T = 03h41m32s
Ecliptic obliquity = 23°43'39, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'42, Lahiri = - 7°20'42 Julian Calendar 1 May 246 BCE == Greg. Calendar 27 Apr. 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

JUNE 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 19 32	4♊52'27	8♊40	9♊23	27♈ 2	21♌30	16°R30	5°R51	23♈47	19♉35	24°R 0	8°R57	8♓45	7♈ 7	n.a.	W 1
T 2	16 23 28	5°49'35	21°26	11°31	28°12	22° 2	16♑26	5♒50	23°50	19°38	24♍ 0	8♓44	8°41	7°14	n.a.	T 2
F 3	16 27 25	6°46'42	4♋24	13°37	29°21	22°35	16°22	5°49	23°53	19°40	24° 0	8°33	8°38	7°20	n.a.	F 3
S 4	16 31 21	7°43'50	17°34	15°41	0♉31	23° 7	16°18	5°48	23°55	19°42	24° 0	8°24	8°35	7°27	n.a.	S 4
S 5	16 35 18	8°40'58	0♌56	17°44	1°41	23°40	16°13	5°46	23°58	19°44	24° 0	8°18	8°32	7°34	n.a.	S 5
M 6	16 39 15	9°38'05	14°28	19°46	2°50	24°13	16° 8	5°45	24° 1	19°46	23°59	8°15	8°29	7°40	n.a.	M 6
T 7	16 43 11	10°35'12	28°12	21°45	4° 0	24°46	16° 3	5°43	24° 3	19°48	23°59	8°14	8°26	7°47	n.a.	T 7
W 8	16 47 8	11°32'19	12♍ 7	23°43	5°10	25°20	15°58	5°42	24° 6	19°50	23°59	8°14	8°22	7°54	n.a.	W 8
T 9	16 51 4	12°29'26	26°14	25°39	6°20	25°53	15°53	5°40	24° 9	19°52	23°D59	8°13	8°19	8° 0	n.a.	T 9
F 10	16 55 1	13°26'33	10♎32	27°33	7°30	26°27	15°48	5°38	24°11	19°55	23°59	8°12	8°16	8° 7	n.a.	F 10
S 11	16 58 57	14°23'41	24°59	29°25	8°40	27° 0	15°42	5°36	24°14	19°57	23°59	8° 8	8°13	8°14	n.a.	S 11
S 12	17 2 54	15°20'48	9♏31	1♋16	9°51	27°34	15°37	5°34	24°16	19°59	24° 0	8° 1	8°10	8°20	n.a.	S 12
M13	17 6 50	16°17'55	24° 2	3° 4	11° 1	28° 8	15°31	5°32	24°18	20° 1	24° 0	7°52	8° 6	8°27	n.a.	M13
T 14	17 10 47	17°15'03	8♐26	4°51	12°11	28°42	15°25	5°30	24°21	20° 3	24° 0	7°41	8° 3	8°34	n.a.	T 14
W15	17 14 44	18°12'12	22°37	6°35	13°22	29°17	15°19	5°28	24°23	20° 5	24° 0	7°30	8° 0	8°40	n.a.	W15
T 16	17 18 40	19° 9'20	6♑29	8°18	14°32	29°51	15°13	5°25	24°26	20° 7	24° 0	7°19	7°57	8°47	n.a.	T 16
F 17	17 22 37	20° 6'30	19°59	9°59	15°43	0♍26	15° 7	5°23	24°28	20° 9	24° 1	7°10	7°54	8°54	n.a.	F 17
S 18	17 26 33	21° 3'40	3♒ 5	11°38	16°53	1° 0	15° 0	5°20	24°30	20°11	24° 1	7° 4	7°51	9° 0	n.a.	S 18
S 19	17 30 30	22° 0'51	15°47	13°15	18° 4	1°35	14°54	5°18	24°32	20°13	24° 1	7° 0	7°47	9° 7	n.a.	S 19
M20	17 34 26	22°58'02	28°10	14°50	19°15	2°10	14°47	5°15	24°35	20°15	24° 2	6°58	7°44	9°14	n.a.	M20
T 21	17 38 23	23°55'14	10♓17	16°23	20°26	2°45	14°40	5°12	24°37	20°17	24° 2	6°D58	7°41	9°20	n.a.	T 21
W22	17 42 20	24°52'28	22°13	17°54	21°37	3°20	14°33	5° 9	24°39	20°19	24° 2	6°R58	7°38	9°27	n.a.	W22
T 23	17 46 16	25°49'42	4♈ 3	19°24	22°48	3°56	14°26	5° 6	24°41	20°21	24° 3	6°58	7°35	9°34	n.a.	T 23
F 24	17 50 13	26°46'57	15°53	20°51	23°59	4°31	14°19	5° 3	24°43	20°22	24° 3	6°56	7°32	9°40	n.a.	F 24
S 25	17 54 9	27°44'14	27°47	22°17	25°10	5° 7	14°12	5° 0	24°45	20°24	24° 4	6°52	7°28	9°47	n.a.	S 25
S 26	17 58 6	28°41'31	9♉51	23°40	26°21	5°43	14° 5	4°57	24°47	20°26	24° 5	6°46	7°25	9°54	n.a.	S 26
M27	18 2 2	29°38'50	22° 7	25° 2	27°32	6°18	13°58	4°54	24°49	20°28	24° 5	6°37	7°22	10° 0	n.a.	M27
T 28	18 5 59	0♋36'09	4♊39	26°21	28°44	6°54	13°50	4°51	24°51	20°30	24° 6	6°27	7°19	10° 7	n.a.	T 28
W29	18 9 55	1°33'30	17°27	27°38	29°55	7°31	13°43	4°47	24°52	20°32	24° 7	6°16	7°16	10°14	n.a.	W29
T 30	18 13 52	2♋30'51	0♋32	28♋53	1♊ 7	8♍ 7	13♑35	4♒44	24♈54	20♉33	24♍ 7	6♓ 5	7♓12	10♈20	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n22	26n57	5n 0	23n36	1n29	8n36	2s 5	15n30	1n 4	23s18	0s37	20s13	1s13	8n53	0s29	16n17	1s37	18n16	17n22	8s19	8s23	5n 6		n.a.
T 2	21 32	28 19	4 53	24 0	1 35	9 2	2 4	15 19	1 2	23 19	0 37	20 13	1 13	8 54	0 29	16 17	1 37	18 15	17 22	8 23	8 25	5 10		n.a.
F 3	21 42	28 10	4 31	24 22	1 40	9 27	2 3	15 7	1 1	23 20	0 37	20 14	1 14	8 55	0 29	16 18	1 37	18 15	17 21	8 28	8 26	5 13		n.a.
S 4	21 52	26 25	3 54	24 41	1 44	9 53	2 2	14 55	1 0	23 20	0 37	20 14	1 14	8 56	0 29	16 19	1 37	18 15	17 20	8 31	8 27	5 16		n.a.
S 5	22 1	23 10	3 3	24 57	1 48	10 18	2 1	14 43	0 59	23 21	0 38	20 15	1 14	8 57	0 29	16 19	1 37	18 14	17 20	8 33	8 28	5 20		n.a.
M 6	22 10	18 38	2 2	25 10	1 51	10 44	2 0	14 31	0 57	23 22	0 38	20 15	1 14	8 58	0 29	16 20	1 37	18 14	17 19	8 34	8 29	5 23		n.a.
T 7	22 18	13 4	0 53	25 21	1 53	11 9	1 59	14 18	0 56	23 23	0 38	20 16	1 14	8 59	0 29	16 20	1 37	18 13	17 19	8 35	8 31	5 26		n.a.
W 8	22 26	6 47	0s21	25 29	1 55	11 33	1 57	14 6	0 55	23 24	0 38	20 17	1 15	9 0	0 29	16 21	1 37	18 13	17 18	8 35	8 32	5 30		n.a.
T 9	22 34	0 5	1 34	25 35	1 55	11 58	1 56	13 53	0 54	23 24	0 39	20 17	1 15	9 1	0 29	16 21	1 37	18 12	17 18	8 35	8 33	5 33		n.a.
F 10	22 41	6s42	2 42	25 38	1 56	12 23	1 55	13 41	0 53	23 25	0 39	20 18	1 15	9 2	0 29	16 22	1 38	18 12	17 17	8 36	8 34	5 37		n.a.
S 11	22 48	13 12	3 40	25 39	1 55	12 47	1 53	13 28	0 52	23 26	0 39	20 19	1 15	9 3	0 29	16 22	1 38	18 11	17 16	8 37	8 35	5 40		n.a.
S 12	22 55	19 1	4 25	25 37	1 54	13 11	1 51	13 15	0 50	23 27	0 39	20 19	1 15	9 4	0 29	16 23	1 38	18 10	17 16	8 40	8 37	5 43		n.a.
M13	23 1	23 43	4 52	25 34	1 52	13 34	1 50	13 2	0 49	23 28	0 39	20 20	1 15	9 5	0 30	16 24	1 38	18 10	17 15	8 43	8 38	5 47		n.a.
T 14	23 6	26 55	5 1	25 28	1 50	13 58	1 48	12 49	0 48	23 29	0 40	20 21	1 16	9 6	0 30	16 24	1 38	18 9	17 15	8 47	8 39	5 50		n.a.
W15	23 12	28 21	4 51	25 21	1 47	14 21	1 46	12 36	0 47	23 30	0 40	20 21	1 16	9 6	0 30	16 25	1 38	18 9	17 14	8 52	8 40	5 53		n.a.
T 16	23 17	27 57	4 23	25 11	1 44	14 44	1 44	12 22	0 46	23 31	0 40	20 22	1 16	9 7	0 30	16 25	1 38	18 8	17 14	8 56	8 41	5 57		n.a.
F 17	23 21	25 52	3 42	25 0	1 40	15 6	1 42	12 9	0 45	23 32	0 40	20 23	1 16	9 8	0 30	16 26	1 38	18 7	17 13	8 59	8 43	6 0		n.a.
S 18	23 25	22 27	2 49	24 48	1 35	15 29	1 41	11 55	0 44	23 32	0 40	20 24	1 16	9 9	0 30	16 26	1 38	18 7	17 12	9 1	8 44	6 3		n.a.
S 19	23 29	18 2	1 50	24 33	1 30	15 51	1 38	11 42	0 42	23 33	0 41	20 25	1 17	9 10	0 30	16 27	1 38	18 6	17 12	9 3	8 45	6 7		n.a.
M20	23 32	12 59	0 47	24 18	1 25	16 12	1 36	11 28	0 41	23 34	0 41	20 25	1 17	9 11	0 30	16 27	1 38	18 5	17 11	9 3	8 46	6 10		n.a.
T 21	23 35	7 32	0n18	24 1	1 19	16 33	1 34	11 14	0 40	23 35	0 41	20 26	1 17	9 11	0 30	16 28	1 38	18 5	17 11	9 4	8 47	6 14		n.a.
W22	23 38	1 54	1 20	23 43	1 13	16 54	1 32	11 1	0 39	23 36	0 41	20 27	1 17	9 12	0 30	16 28	1 38	18 4	17 10	9 3	8 49	6 17		n.a.
T 23	23 40	3n45	2 19	23 23	1 6	17 15	1 30	10 47	0 38	23 37	0 41	20 28	1 17	9 13	0 30	16 29	1 38	18 3	17 9	9 4	8 50	6 20		n.a.
F 24	23 41	9 15	3 11	23 3	0 59	17 35	1 28	10 32	0 37	23 38	0 42	20 29	1 17	9 14	0 30	16 29	1 38	18 3	17 9	9 4	8 51	6 24		n.a.
S 25	23 42	14 28	3 56	22 42	0 51	17 54	1 25	10 18	0 36	23 39	0 42	20 30	1 18	9 14	0 30	16 30	1 38	18 2	17 8	9 6	8 52	6 27		n.a.
S 26	23 43	19 12	4 31	22 20	0 43	18 14	1 23	10 4	0 35	23 40	0 42	20 31	1 18	9 15	0 30	16 30	1 38	18 1	17 8	9 8	8 53	6 30		n.a.
M27	23 44	23 14	4 53	21 57	0 35	18 33	1 20	9 50	0 34	23 41	0 42	20 32	1 18	9 16	0 30	16 31	1 38	18 0	17 7	9 11	8 54	6 34		n.a.
T 28	23 44	26 17	5 3	21 34	0 26	18 51	1 18	9 35	0 33	23 42	0 42	20 33	1 18	9 16	0 30	16 31	1 38	17 59	17 7	9 15	8 56	6 37		n.a.
W29	23 43	28 3	4 57	21 10	0 17	19 9	1 15	9 21	0 32	23 43	0 43	20 34	1 18	9 17	0 30	16 31	1 38	17 59	17 6	9 19	8 57	6 40		n.a.
T 30	23n42	28n20	4n36	20n45	0n 7	19n26	1s13	9n 6	0n31	23s44	0s43	20s35	1s18	9n18	0s30	16n32	1s38	17n58	17n 5	9s23	8s58	6n44		n.a.

Julian Day Number = 1631722.5, Delta T = 03h41m30s
Ecliptic obliquity = 23°43'38, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'38, Lahiri = - 7°20'38 Julian Calendar 1 June 246 BCE == Greg. Calendar 28 May 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

JULY 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 17 49	3♋28'14	13♋51	0♌ 6	2♊18	8♍43	13°R28	4°R40	24♈56	20♉35	24♍ 8	5°R56	7♓ 9	10♈27	n.a.	F 1
S 2	18 21 45	4°25'37	27°25	1°17	3°30	9°20	13♑20	4♒37	24°58	20°37	24° 9	5♓48	7° 6	10°34	n.a.	S 2
S 3	18 25 42	5°23'02	11♌ 8	2°25	4°41	9°56	13°13	4°33	24°59	20°39	24°10	5°43	7° 3	10°40	n.a.	S 3
M 4	18 29 38	6°20'27	25° 1	3°31	5°53	10°33	13° 5	4°30	25° 1	20°40	24°10	5°41	7° 0	10°47	n.a.	M 4
T 5	18 33 35	7°17'53	9♍ 0	4°34	7° 5	11°10	12°57	4°26	25° 2	20°42	24°11	5°D41	6°57	10°54	n.a.	T 5
W 6	18 37 31	8°15'20	23° 3	5°34	8°16	11°47	12°49	4°22	25° 4	20°44	24°12	5°41	6°53	11° 0	n.a.	W 6
T 7	18 41 28	9°12'47	7♎11	6°32	9°28	12°24	12°42	4°18	25° 5	20°45	24°13	5°R42	6°50	11° 7	n.a.	T 7
F 8	18 45 24	10°10'16	21°21	7°27	10°40	13° 1	12°34	4°14	25° 7	20°47	24°14	5°41	6°47	11°14	n.a.	F 8
S 9	18 49 21	11° 7'45	5♏32	8°18	11°52	13°38	12°26	4°10	25° 8	20°48	24°15	5°39	6°44	11°20	n.a.	S 9
S 10	18 53 18	12° 5'16	19°42	9° 7	13° 4	14°16	12°18	4° 6	25°10	20°50	24°16	5°34	6°41	11°27	n.a.	S 10
M11	18 57 14	13° 2'47	3♐48	9°52	14°16	14°53	12°10	4° 2	25°11	20°52	24°17	5°28	6°38	11°34	n.a.	M11
T 12	19 1 11	14° 0'20	17°46	10°34	15°28	15°31	12° 3	3°58	25°12	20°53	24°18	5°20	6°34	11°40	n.a.	T 12
W13	19 5 7	14°57'54	1♑32	11°11	16°41	16° 9	11°55	3°54	25°13	20°55	24°19	5°12	6°31	11°47	n.a.	W13
T 14	19 9 4	15°55'29	15° 3	11°45	17°53	16°47	11°47	3°50	25°14	20°56	24°21	5° 4	6°28	11°54	n.a.	T 14
F 15	19 13 0	16°53'05	28°16	12°15	19° 5	17°25	11°39	3°46	25°16	20°57	24°22	4°57	6°25	12° 0	n.a.	F 15
S 16	19 16 57	17°50'43	11♒10	12°40	20°18	18° 3	11°31	3°41	25°17	20°59	24°23	4°53	6°22	12° 7	n.a.	S 16
S 17	19 20 53	18°48'22	23°46	13° 1	21°30	18°41	11°24	3°37	25°18	21° 0	24°24	4°50	6°18	12°14	n.a.	S 17
M18	19 24 50	19°46'03	6♓ 5	13°17	22°43	19°19	11°16	3°33	25°19	21° 2	24°26	4°D50	6°15	12°20	n.a.	M18
T 19	19 28 47	20°43'45	18°10	13°28	23°55	19°57	11° 8	3°28	25°19	21° 3	24°27	4°50	6°12	12°27	n.a.	T 19
W20	19 32 43	21°41'29	0♈ 6	13°33	25° 8	20°36	11° 1	3°24	25°20	21° 4	24°28	4°52	6° 9	12°34	n.a.	W20
T 21	19 36 40	22°39'15	11°57	13°R33	26°20	21°14	10°53	3°19	25°21	21° 6	24°30	4°53	6° 6	12°40	n.a.	T 21
F 22	19 40 36	23°37'03	23°47	13°28	27°33	21°53	10°46	3°15	25°22	21° 7	24°31	4°R54	6° 3	12°47	n.a.	F 22
S 23	19 44 33	24°34'53	5♉43	13°16	28°46	22°32	10°38	3°10	25°23	21° 8	24°32	4°53	5°59	12°54	n.a.	S 23
S 24	19 48 29	25°32'44	17°48	12°59	29°59	23°11	10°31	3° 6	25°23	21° 9	24°34	4°51	5°56	13° 0	n.a.	S 24
M25	19 52 26	26°30'37	0♊ 8	12°36	1♋12	23°50	10°24	3° 1	25°24	21°10	24°35	4°47	5°53	13° 7	n.a.	M25
T 26	19 56 22	27°28'33	12°46	12° 8	2°25	24°29	10°17	2°57	25°24	21°11	24°37	4°42	5°50	13°14	n.a.	T 26
W27	20 0 19	28°26'30	25°43	11°33	3°38	25° 8	10°10	2°52	25°25	21°13	24°38	4°36	5°47	13°21	n.a.	W27
T 28	20 4 16	29°24'29	9♋ 1	10°53	4°51	25°47	10° 3	2°48	25°25	21°14	24°40	4°30	5°44	13°27	n.a.	T 28
F 29	20 8 12	0♌22'30	22°40	10° 9	6° 4	26°27	9°56	2°43	25°26	21°15	24°42	4°25	5°40	13°34	n.a.	F 29
S 30	20 12 9	1°20'32	6♌35	9°20	7°17	27° 6	9°49	2°39	25°26	21°16	24°43	4°21	5°37	13°41	n.a.	S 30
S 31	20 16 5	2♌18'36	20♌44	8♌28	8♋30	27♍46	9♑42	2♒34	25♈26	21♉17	24♍45	4♓19	5♓34	13♈47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n41	26n58	4n 0	20n20	0s 2	19n43	1s10	8n51	0n30	23s45	0s43	20s36	1s19	9n18	0s30	16n32	1s38	17n57	17n 5	9s27	8s59	6n47		n.a.
S 2	23 39	24 1	3 9	19 55	0 12	20 0	1 8	8 36	0 29	23 46	0 43	20 37	1 19	9 19	0 30	16 33	1 38	17 56	17 4	9 30	9 0	6 50		n.a.
S 3	23 37	19 41	2 7	19 30	0 23	20 16	1 5	8 22	0 28	23 47	0 43	20 38	1 19	9 20	0 30	16 33	1 38	17 55	17 4	9 31	9 2	6 54		n.a.
M 4	23 34	14 14	0 57	19 4	0 33	20 31	1 3	8 7	0 27	23 48	0 44	20 39	1 19	9 20	0 30	16 34	1 38	17 55	17 3	9 32	9 3	6 57		n.a.
T 5	23 31	8 1	0s18	18 39	0 44	20 46	1 0	7 51	0 26	23 49	0 44	20 40	1 19	9 21	0 30	16 34	1 38	17 54	17 3	9 32	9 4	7 0		n.a.
W 6	23 28	1 23	1 32	18 13	0 55	21 1	0 57	7 36	0 25	23 50	0 44	20 41	1 19	9 21	0 30	16 34	1 38	17 53	17 2	9 32	9 5	7 4		n.a.
T 7	23 24	5s20	2 40	17 48	1 6	21 14	0 54	7 21	0 24	23 51	0 44	20 42	1 20	9 22	0 30	16 35	1 38	17 52	17 1	9 32	9 6	7 7		n.a.
F 8	23 20	11 49	3 40	17 23	1 17	21 28	0 52	7 6	0 23	23 51	0 44	20 43	1 20	9 22	0 30	16 35	1 38	17 51	17 1	9 32	9 8	7 10		n.a.
S 9	23 15	17 41	4 25	16 59	1 29	21 40	0 49	6 50	0 22	23 52	0 44	20 44	1 20	9 23	0 30	16 36	1 38	17 50	17 0	9 33	9 9	7 14		n.a.
S 10	23 10	22 36	4 55	16 35	1 41	21 53	0 46	6 35	0 21	23 53	0 44	20 45	1 20	9 23	0 30	16 36	1 38	17 49	17 0	9 35	9 10	7 17		n.a.
M11	23 5	26 10	5 6	16 11	1 52	22 4	0 43	6 19	0 20	23 54	0 45	20 46	1 20	9 24	0 30	16 36	1 38	17 48	16 59	9 37	9 11	7 20		n.a.
T 12	22 59	28 7	4 59	15 49	2 4	22 15	0 41	6 4	0 19	23 55	0 45	20 48	1 20	9 24	0 30	16 37	1 38	17 47	16 59	9 40	9 12	7 23		n.a.
W13	22 53	28 18	4 35	15 27	2 16	22 25	0 38	5 48	0 18	23 56	0 45	20 49	1 20	9 25	0 30	16 37	1 38	17 46	16 58	9 43	9 14	7 27		n.a.
T 14	22 46	26 46	3 56	15 6	2 28	22 35	0 35	5 32	0 17	23 57	0 45	20 50	1 21	9 25	0 30	16 37	1 38	17 45	16 58	9 46	9 15	7 30		n.a.
F 15	22 39	23 46	3 4	14 47	2 40	22 44	0 32	5 16	0 16	23 58	0 45	20 51	1 21	9 25	0 30	16 38	1 38	17 45	16 57	9 48	9 16	7 33		n.a.
S 16	22 31	19 37	2 4	14 28	2 51	22 53	0 29	5 1	0 15	23 58	0 45	20 52	1 21	9 26	0 30	16 38	1 39	17 44	16 57	9 50	9 17	7 37		n.a.
S 17	22 23	14 42	1 0	14 12	3 3	23 1	0 27	4 45	0 14	23 59	0 45	20 53	1 21	9 26	0 30	16 38	1 39	17 43	16 56	9 51	9 18	7 40		n.a.
M18	22 15	9 17	0n 7	13 56	3 14	23 8	0 24	4 29	0 13	24 0	0 46	20 54	1 21	9 26	0 30	16 39	1 39	17 42	16 56	9 51	9 19	7 43		n.a.
T 19	22 6	3 38	1 12	13 43	3 25	23 14	0 21	4 12	0 12	24 1	0 46	20 56	1 21	9 27	0 30	16 39	1 39	17 41	16 55	9 51	9 21	7 47		n.a.
W20	21 57	2n 4	2 13	13 31	3 35	23 20	0 18	3 56	0 11	24 1	0 46	20 57	1 21	9 27	0 30	16 39	1 39	17 40	16 55	9 50	9 22	7 50		n.a.
T 21	21 48	7 39	3 8	13 22	3 45	23 25	0 15	3 40	0 10	24 2	0 46	20 58	1 21	9 27	0 30	16 40	1 39	17 39	16 54	9 50	9 23	7 53		n.a.
F 22	21 38	12 58	3 55	13 14	3 54	23 30	0 12	3 24	0 9	24 3	0 46	20 59	1 21	9 28	0 30	16 40	1 39	17 38	16 54	9 50	9 24	7 56		n.a.
S 23	21 28	17 51	4 32	13 10	4 3	23 34	0 10	3 7	0 8	24 4	0 46	21 0	1 22	9 28	0 30	16 40	1 39	17 37	16 53	9 50	9 25	8 0		n.a.
S 24	21 17	22 5	4 57	13 7	4 10	23 37	0 7	2 51	0 7	24 4	0 46	21 1	1 22	9 28	0 30	16 40	1 39	17 36	16 53	9 51	9 27	8 3		n.a.
M25	21 6	25 28	5 10	13 7	4 17	23 39	0 4	2 35	0 6	24 5	0 46	21 3	1 22	9 28	0 30	16 41	1 39	17 34	16 52	9 52	9 28	8 6		n.a.
T 26	20 55	27 41	5 8	13 10	4 22	23 41	0 1	2 18	0 6	24 6	0 46	21 4	1 22	9 28	0 30	16 41	1 39	17 33	16 52	9 54	9 29	8 10		n.a.
W27	20 43	28 29	4 50	13 16	4 26	23 42	0n 1	2 2	0 5	24 6	0 46	21 5	1 22	9 29	0 30	16 41	1 39	17 32	16 51	9 56	9 30	8 13		n.a.
T 28	20 31	27 41	4 17	13 24	4 29	23 42	0 4	1 45	0 4	24 7	0 47	21 6	1 22	9 29	0 30	16 41	1 39	17 31	16 51	9 59	9 31	8 16		n.a.
F 29	20 19	25 13	3 28	13 35	4 30	23 42	0 7	1 28	0 3	24 8	0 47	21 7	1 22	9 29	0 30	16 42	1 39	17 30	16 50	10 1	9 32	8 19		n.a.
S 30	20 6	21 12	2 26	13 49	4 29	23 41	0 10	1 12	0 2	24 8	0 47	21 8	1 22	9 29	0 30	16 42	1 39	17 29	16 50	10 2	9 34	8 23		n.a.
S 31	19n53	15n55	1n14	14n 5	4s26	23n39	0n12	0n55	0n 1	24s 9	0s47	21s 9	1s22	9n29	0s30	16n42	1s39	17n28	16n49	10s 3	9s35	8n26		n.a.

Julian Day Number = 1631752.5, Delta T = 03h41m29s
Ecliptic obliquity = 23°43'38, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'34, Lahiri = - 7°20'33 Julian Calendar 1 July 246 BCE == Greg. Calendar 27 June 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

AUGUST 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 20 2	3♌16'42	5♍ 3	7°R33	9♋44	28♍25	9°R36	2°R30	25♈27	21♉18	24♍47	4°D18	5♓31	13♈54	n.a.	M 1
T 2	20 23 58	4°14'49	19°26	6♌36	10°57	29° 5	9♑29	2♒25	25°27	21°19	24°48	4♓19	5°28	14° 1	n.a.	T 2
W 3	20 27 55	5°12'58	3♎49	5°39	12°10	29°45	9°23	2°20	25°27	21°20	24°50	4°20	5°24	14° 7	n.a.	W 3
T 4	20 31 51	6°11'09	18° 8	4°42	13°24	0♎25	9°17	2°16	25°27	21°20	24°52	4°21	5°21	14°14	n.a.	T 4
F 5	20 35 48	7° 9'21	2♏22	3°47	14°37	1° 5	9°11	2°11	25°27	21°21	24°53	4°R22	5°18	14°21	n.a.	F 5
S 6	20 39 45	8° 7'34	16°27	2°56	15°51	1°45	9° 5	2° 7	25°R27	21°22	24°55	4°22	5°15	14°27	n.a.	S 6
S 7	20 43 41	9° 5'50	0♐23	2° 9	17° 5	2°25	8°59	2° 2	25°27	21°23	24°57	4°21	5°12	14°34	n.a.	S 7
M 8	20 47 38	10° 4'06	14° 8	1°28	18°18	3° 6	8°53	1°58	25°27	21°24	24°59	4°18	5° 9	14°41	n.a.	M 8
T 9	20 51 34	11° 2'25	27°41	0°53	19°32	3°46	8°48	1°53	25°27	21°24	25° 1	4°15	5° 5	14°47	n.a.	T 9
W10	20 55 31	12° 0'45	11♑ 1	0°25	20°46	4°27	8°42	1°49	25°27	21°25	25° 3	4°12	5° 2	14°54	n.a.	W10
T 11	20 59 27	12°59'07	24° 7	0° 6	21°59	5° 7	8°37	1°44	25°27	21°26	25° 5	4° 9	4°59	15° 1	n.a.	T 11
F 12	21 3 24	13°57'31	6♒59	29♋55	23°13	5°48	8°32	1°40	25°26	21°26	25° 6	4° 6	4°56	15° 7	n.a.	F 12
S 13	21 7 20	14°55'57	19°37	29°D53	24°27	6°29	8°27	1°36	25°26	21°27	25° 8	4° 4	4°53	15°14	n.a.	S 13
S 14	21 11 17	15°54'25	2♓ 0	0♌ 1	25°41	7°10	8°22	1°31	25°25	21°27	25°10	4°D 4	4°49	15°21	n.a.	S 14
M15	21 15 14	16°52'54	14°12	0°18	26°55	7°51	8°18	1°27	25°25	21°28	25°12	4° 4	4°46	15°27	n.a.	M15
T 16	21 19 10	17°51'26	26°13	0°44	28° 9	8°32	8°13	1°23	25°25	21°28	25°14	4° 5	4°43	15°34	n.a.	T 16
W17	21 23 7	18°50'00	8♈ 7	1°19	29°23	9°13	8° 9	1°18	25°24	21°29	25°16	4° 6	4°40	15°41	n.a.	W17
T 18	21 27 3	19°48'37	19°57	2° 2	0♌37	9°54	8° 5	1°14	25°23	21°29	25°18	4° 8	4°37	15°47	n.a.	T 18
F 19	21 31 0	20°47'15	1♉47	2°54	1°51	10°35	8° 1	1°10	25°23	21°30	25°21	4° 9	4°34	15°54	n.a.	F 19
S 20	21 34 56	21°45'56	13°42	3°54	3° 5	11°17	7°57	1° 6	25°22	21°30	25°23	4°10	4°30	16° 1	n.a.	S 20
S 21	21 38 53	22°44'39	25°46	5° 0	4°20	11°58	7°54	1° 2	25°21	21°30	25°25	4°R10	4°27	16° 7	n.a.	S 21
M22	21 42 49	23°43'25	8♊ 5	6°13	5°34	12°40	7°51	0°58	25°21	21°30	25°27	4° 9	4°24	16°14	n.a.	M22
T 23	21 46 46	24°42'13	20°41	7°32	6°48	13°21	7°47	0°54	25°20	21°31	25°29	4° 8	4°21	16°21	n.a.	T 23
W24	21 50 43	25°41'03	3♋40	8°56	8° 3	14° 3	7°44	0°50	25°19	21°31	25°31	4° 7	4°18	16°28	n.a.	W24
T 25	21 54 39	26°39'56	17° 2	10°25	9°17	14°45	7°42	0°46	25°18	21°31	25°33	4° 6	4°15	16°34	n.a.	T 25
F 26	21 58 36	27°38'51	0♌49	11°58	10°32	15°27	7°39	0°42	25°17	21°31	25°36	4° 6	4°11	16°41	n.a.	F 26
S 27	22 2 32	28°37'48	14°59	13°34	11°46	16° 9	7°37	0°38	25°16	21°31	25°38	4° 5	4° 8	16°48	n.a.	S 27
S 28	22 6 29	29°36'48	29°28	15°13	13° 1	16°51	7°34	0°35	25°15	21°31	25°40	4°D 5	4° 5	16°54	n.a.	S 28
M29	22 10 25	0♍35'49	14♍11	16°55	14°15	17°33	7°32	0°31	25°14	21°31	25°42	4° 5	4° 2	17° 1	n.a.	M29
T 30	22 14 22	1°34'53	29° 1	18°38	15°30	18°16	7°30	0°27	25°13	21°R31	25°44	4° 5	3°59	17° 8	n.a.	T 30
W31	22 18 18	2♍33'58	13♎49	20♌23	16♌44	18♎58	7♑29	0♒24	25♈11	21♉31	25♍47	4♓ 5	3♓55	17♈14	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n39	9n43	0s 4	14n24	4s21	23n37	0n15	0n38	0n 0	24s 9	0s47	21s11	1s22	9n29	0s30	16n42	1s39	17n27	16n49	10s 3	9s36	8n29		n.a.
T 2	19 26	2 59	1 22	14 44	4 15	23 34	0 18	0 21	0s 1	24 10	0 47	21 12	1 22	9 29	0 30	16 43	1 39	17 26	16 48	10 3	9 37	8 33		n.a.
W 3	19 12	3s54	2 35	15 6	4 6	23 30	0 20	0 5	0 2	24 10	0 47	21 13	1 23	9 29	0 30	16 43	1 39	17 25	16 48	10 2	9 38	8 36		n.a.
T 4	18 57	10 32	3 38	15 30	3 56	23 25	0 23	0s12	0 2	24 11	0 47	21 14	1 23	9 29	0 30	16 43	1 39	17 24	16 48	10 2	9 40	8 39		n.a.
F 5	18 42	16 36	4 27	15 55	3 44	23 20	0 25	0 29	0 3	24 11	0 47	21 15	1 23	9 29	0 30	16 43	1 39	17 23	16 47	10 1	9 41	8 42		n.a.
S 6	18 27	21 43	4 59	16 20	3 30	23 14	0 28	0 46	0 4	24 12	0 47	21 16	1 23	9 29	0 30	16 43	1 39	17 22	16 47	10 2	9 42	8 46		n.a.
S 7	18 12	25 34	5 13	16 46	3 14	23 7	0 30	1 3	0 5	24 12	0 47	21 17	1 23	9 29	0 30	16 43	1 39	17 21	16 46	10 2	9 43	8 49		n.a.
M 8	17 56	27 53	5 9	17 11	2 58	23 0	0 33	1 20	0 6	24 13	0 47	21 18	1 23	9 29	0 30	16 44	1 40	17 19	16 46	10 3	9 44	8 52		n.a.
T 9	17 40	28 31	4 48	17 36	2 40	22 52	0 35	1 37	0 7	24 13	0 47	21 19	1 23	9 29	0 30	16 44	1 40	17 18	16 46	10 4	9 45	8 55		n.a.
W10	17 24	27 27	4 12	17 59	2 22	22 43	0 37	1 54	0 7	24 14	0 47	21 21	1 23	9 29	0 31	16 44	1 40	17 17	16 45	10 5	9 47	8 59		n.a.
T 11	17 7	24 52	3 23	18 22	2 3	22 34	0 40	2 11	0 8	24 14	0 47	21 22	1 23	9 29	0 31	16 44	1 40	17 16	16 45	10 6	9 48	9 2		n.a.
F 12	16 50	21 4	2 24	18 43	1 45	22 23	0 42	2 28	0 9	24 14	0 47	21 23	1 23	9 29	0 31	16 44	1 40	17 15	16 44	10 7	9 49	9 5		n.a.
S 13	16 33	16 22	1 19	19 1	1 26	22 13	0 44	2 45	0 10	24 15	0 48	21 24	1 23	9 29	0 31	16 44	1 40	17 14	16 44	10 8	9 50	9 8		n.a.
S 14	16 16	11 4	0 11	19 18	1 7	22 1	0 46	3 2	0 11	24 15	0 48	21 25	1 23	9 28	0 31	16 44	1 40	17 13	16 44	10 8	9 51	9 12		n.a.
M15	15 58	5 26	0n56	19 32	0 49	21 49	0 48	3 19	0 12	24 15	0 48	21 26	1 23	9 28	0 31	16 44	1 40	17 12	16 43	10 8	9 53	9 15		n.a.
T 16	15 40	0n18	1 59	19 43	0 31	21 36	0 51	3 37	0 12	24 16	0 48	21 27	1 23	9 28	0 31	16 44	1 40	17 11	16 43	10 8	9 54	9 18		n.a.
W17	15 22	5 58	2 57	19 52	0 15	21 23	0 53	3 54	0 13	24 16	0 48	21 28	1 23	9 28	0 31	16 45	1 40	17 9	16 43	10 7	9 55	9 21		n.a.
T 18	15 3	11 23	3 47	19 58	0n 1	21 9	0 55	4 11	0 14	24 16	0 48	21 29	1 23	9 28	0 31	16 45	1 40	17 8	16 42	10 7	9 56	9 25		n.a.
F 19	14 44	16 25	4 28	20 1	0 16	20 54	0 57	4 28	0 15	24 16	0 48	21 30	1 23	9 27	0 31	16 45	1 40	17 7	16 42	10 6	9 57	9 28		n.a.
S 20	14 25	20 51	4 57	20 0	0 30	20 39	0 58	4 45	0 16	24 17	0 48	21 31	1 23	9 27	0 31	16 45	1 40	17 6	16 42	10 6	9 58	9 31		n.a.
S 21	14 6	24 30	5 13	19 56	0 43	20 23	1 0	5 2	0 16	24 17	0 48	21 32	1 23	9 27	0 31	16 45	1 40	17 5	16 41	10 6	10 0	9 34		n.a.
M22	13 46	27 7	5 16	19 50	0 55	20 6	1 2	5 19	0 17	24 17	0 48	21 32	1 23	9 27	0 31	16 45	1 40	17 4	16 41	10 6	10 1	9 37		n.a.
T 23	13 27	28 27	5 4	19 39	1 5	19 49	1 4	5 36	0 18	24 17	0 48	21 33	1 23	9 26	0 31	16 45	1 40	17 3	16 41	10 6	10 2	9 41		n.a.
W24	13 7	28 16	4 36	19 26	1 15	19 32	1 5	5 54	0 19	24 18	0 48	21 34	1 24	9 26	0 31	16 45	1 40	17 2	16 41	10 7	10 3	9 44		n.a.
T 25	12 46	26 28	3 52	19 10	1 23	19 13	1 7	6 11	0 19	24 18	0 48	21 35	1 24	9 25	0 31	16 45	1 40	17 0	16 40	10 7	10 4	9 47		n.a.
F 26	12 26	23 3	2 54	18 51	1 30	18 55	1 9	6 28	0 20	24 18	0 48	21 36	1 24	9 25	0 31	16 45	1 40	16 59	16 40	10 8	10 5	9 50		n.a.
S 27	12 5	18 11	1 44	18 29	1 36	18 35	1 10	6 45	0 21	24 18	0 48	21 37	1 24	9 25	0 31	16 45	1 40	16 58	16 40	10 8	10 7	9 54		n.a.
S 28	11 45	12 12	0 26	18 5	1 41	18 15	1 12	7 2	0 22	24 18	0 48	21 38	1 24	9 24	0 31	16 45	1 41	16 57	16 39	10 8	10 8	9 57		n.a.
M29	11 24	5 26	0s56	17 38	1 45	17 55	1 13	7 19	0 22	24 18	0 48	21 38	1 24	9 24	0 31	16 45	1 41	16 56	16 39	10 8	10 9	10 0		n.a.
T 30	11 2	1s39	2 14	17 8	1 49	17 34	1 14	7 36	0 23	24 18	0 48	21 39	1 24	9 23	0 31	16 45	1 41	16 55	16 39	10 8	10 10	10 3		n.a.
W31	10n41	8s38	3s23	16n37	1n51	17n12	1n16	7s53	0s24	24s18	0s48	21s40	1s24	9n23	0s31	16n45	1s41	16n54	16n39	10s 8	10s11	10n 6		n.a.

Julian Day Number = 1631783.5, Delta T = 03h41m28s
Ecliptic obliquity = 23°43'38, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'30, Lahiri = - 7°20'29 Julian Calendar 1 Aug. 246 BCE == Greg. Calendar 28 July 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

SEPTEMBER 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 22 15	3♍33'06	28♎30	22♌ 9	17♌59	19♎40	7°R27	0°R20	25°R10	21°R31	25♍49	4♓ 5	3♓52	17♈21	n.a.	T 1
F 2	22 26 11	4°32'15	12♏58	23°55	19°14	20°23	7♑26	0♒17	25♈ 9	21♉31	25°51	4°R 5	3°49	17°28	n.a.	F 2
S 3	22 30 8	5°31'26	27°10	25°43	20°29	21° 5	7°25	0°14	25° 7	21°31	25°54	4° 5	3°46	17°34	n.a.	S 3
S 4	22 34 5	6°30'39	11♐ 3	27°30	21°43	21°48	7°24	0°10	25° 6	21°31	25°56	4°D 5	3°43	17°41	n.a.	S 4
M 5	22 38 1	7°29'54	24°37	29°18	22°58	22°31	7°24	0° 7	25° 5	21°31	25°58	4° 5	3°40	17°48	n.a.	M 5
T 6	22 41 58	8°29'11	7♑53	1♍ 5	24°13	23°14	7°23	0° 4	25° 3	21°31	26° 0	4° 6	3°36	17°54	n.a.	T 6
W 7	22 45 54	9°28'30	20°52	2°52	25°28	23°56	7°23	0° 1	25° 2	21°30	26° 3	4° 6	3°33	18° 1	n.a.	W 7
T 8	22 49 51	10°27'50	3♒37	4°39	26°43	24°39	7°D23	29♑58	25° 0	21°30	26° 5	4° 7	3°30	18° 8	n.a.	T 8
F 9	22 53 47	11°27'13	16° 8	6°26	27°58	25°22	7°23	29°55	24°58	21°30	26° 8	4° 7	3°27	18°14	n.a.	F 9
S 10	22 57 44	12°26'37	28°28	8°12	29°13	26° 6	7°23	29°53	24°57	21°29	26°10	4°R 8	3°24	18°21	n.a.	S 10
S 11	23 1 40	13°26'04	10♓38	9°57	0♍27	26°49	7°24	29°50	24°55	21°29	26°12	4° 8	3°21	18°28	n.a.	S 11
M12	23 5 37	14°25'33	22°40	11°42	1°42	27°32	7°25	29°47	24°53	21°29	26°15	4° 7	3°17	18°34	n.a.	M12
T 13	23 9 34	15°25'03	4♈36	13°26	2°58	28°15	7°26	29°45	24°52	21°28	26°17	4° 6	3°14	18°41	n.a.	T 13
W14	23 13 30	16°24'36	16°28	15°10	4°13	28°59	7°27	29°43	24°50	21°28	26°19	4° 5	3°11	18°48	n.a.	W14
T 15	23 17 27	17°24'12	28°17	16°53	5°28	29°42	7°28	29°40	24°48	21°27	26°22	4° 3	3° 8	18°55	n.a.	T 15
F 16	23 21 23	18°23'49	10♉ 8	18°35	6°43	0♏26	7°30	29°38	24°46	21°26	26°24	4° 0	3° 5	19° 1	n.a.	F 16
S 17	23 25 20	19°23'29	22° 3	20°17	7°58	1° 9	7°31	29°36	24°44	21°26	26°27	3°58	3° 1	19° 8	n.a.	S 17
S 18	23 29 16	20°23'12	4♊ 6	21°58	9°13	1°53	7°33	29°34	24°42	21°25	26°29	3°57	2°58	19°15	n.a.	S 18
M19	23 33 13	21°22'56	16°21	23°38	10°28	2°37	7°35	29°32	24°41	21°25	26°31	3°D56	2°55	19°21	n.a.	M19
T 20	23 37 9	22°22'44	28°52	25°18	11°43	3°21	7°38	29°30	24°39	21°24	26°34	3°56	2°52	19°28	n.a.	T 20
W21	23 41 6	23°22'33	11♋45	26°57	12°59	4° 5	7°40	29°28	24°37	21°23	26°36	3°57	2°49	19°35	n.a.	W21
T 22	23 45 3	24°22'25	25° 1	28°35	14°14	4°49	7°43	29°26	24°34	21°22	26°39	3°58	2°46	19°41	n.a.	T 22
F 23	23 48 59	25°22'19	8♌45	0♎13	15°29	5°33	7°46	29°25	24°32	21°22	26°41	4° 0	2°42	19°48	n.a.	F 23
S 24	23 52 56	26°22'15	22°55	1°50	16°45	6°17	7°49	29°23	24°30	21°21	26°44	4° 1	2°39	19°55	n.a.	S 24
S 25	23 56 52	27°22'14	7♍31	3°27	18° 0	7° 1	7°52	29°22	24°28	21°20	26°46	4°R 1	2°36	20° 1	n.a.	S 25
M26	0 0 49	28°22'14	22°27	5° 3	19°15	7°45	7°56	29°21	24°26	21°19	26°48	4° 0	2°33	20° 8	n.a.	M26
T 27	0 4 45	29°22'17	7♎35	6°39	20°31	8°30	7°59	29°20	24°24	21°18	26°51	3°58	2°30	20°15	n.a.	T 27
W28	0 8 42	0♎22'22	22°46	8°14	21°46	9°14	8° 3	29°19	24°22	21°17	26°53	3°55	2°26	20°21	n.a.	W28
T 29	0 12 38	1°22'28	7♏51	9°49	23° 1	9°58	8° 7	29°18	24°19	21°16	26°56	3°51	2°23	20°28	n.a.	T 29
F 30	0 16 35	2♎22'36	22♏39	11♎23	24♍17	10♏43	8♑12	29♑17	24♈17	21♉15	26♍58	3♓47	2♓20	20♈35	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n19	15s 5	4s18	16n 4	1n52	16n50	1n17	8s10	0s25	24s18	0s48	21s41	1s24	9n22	0s31	16n44	1s41	16n53	16n39	10s 8	10s12	10n10		n.a.
F 2	9 58	20 37	4 56	15 29	1 53	16 28	1 18	8 27	0 25	24 19	0 48	21 42	1 24	9 22	0 31	16 44	1 41	16 52	16 38	10 8	10 14	10 13		n.a.
S 3	9 36	24 52	5 15	14 52	1 53	16 5	1 19	8 44	0 26	24 19	0 48	21 42	1 24	9 21	0 31	16 44	1 41	16 50	16 38	10 8	10 15	10 16		n.a.
S 4	9 14	27 34	5 15	14 14	1 52	15 42	1 20	9 0	0 27	24 19	0 48	21 43	1 24	9 21	0 31	16 44	1 41	16 49	16 38	10 8	10 16	10 19		n.a.
M 5	8 52	28 34	4 57	13 35	1 51	15 18	1 21	9 17	0 27	24 19	0 48	21 44	1 24	9 20	0 31	16 44	1 41	16 48	16 38	10 8	10 17	10 22		n.a.
T 6	8 29	27 53	4 24	12 55	1 49	14 53	1 22	9 34	0 28	24 19	0 48	21 44	1 23	9 20	0 31	16 44	1 41	16 47	16 38	10 7	10 18	10 25		n.a.
W 7	8 7	25 40	3 38	12 13	1 46	14 29	1 23	9 51	0 29	24 19	0 48	21 45	1 23	9 19	0 31	16 44	1 41	16 46	16 37	10 7	10 19	10 29		n.a.
T 8	7 44	22 11	2 41	11 31	1 44	14 4	1 23	10 7	0 30	24 19	0 48	21 46	1 23	9 19	0 31	16 44	1 41	16 45	16 37	10 7	10 21	10 32		n.a.
F 9	7 21	17 45	1 38	10 48	1 40	13 38	1 24	10 24	0 30	24 19	0 48	21 46	1 23	9 18	0 31	16 44	1 41	16 44	16 37	10 7	10 22	10 35		n.a.
S 10	6 58	12 38	0 31	10 5	1 36	13 12	1 25	10 40	0 31	24 19	0 48	21 47	1 23	9 18	0 31	16 44	1 41	16 43	16 37	10 7	10 23	10 38		n.a.
S 11	6 35	7 7	0n36	9 21	1 32	12 46	1 25	10 57	0 32	24 19	0 48	21 47	1 23	9 17	0 31	16 43	1 41	16 42	16 37	10 7	10 24	10 41		n.a.
M12	6 12	1 24	1 41	8 37	1 28	12 19	1 26	11 13	0 32	24 18	0 47	21 48	1 23	9 16	0 31	16 43	1 41	16 41	16 37	10 7	10 25	10 44		n.a.
T 13	5 49	4n18	2 41	7 52	1 23	11 53	1 26	11 30	0 33	24 18	0 47	21 48	1 23	9 16	0 31	16 43	1 41	16 40	16 37	10 7	10 26	10 48		n.a.
W14	5 26	9 49	3 33	7 7	1 18	11 25	1 26	11 46	0 34	24 18	0 47	21 49	1 23	9 15	0 31	16 43	1 41	16 39	16 37	10 8	10 28	10 51		n.a.
T 15	5 2	14 59	4 17	6 21	1 13	10 58	1 27	12 2	0 34	24 18	0 47	21 49	1 23	9 14	0 31	16 43	1 41	16 37	16 36	10 9	10 29	10 54		n.a.
F 16	4 39	19 35	4 49	5 36	1 7	10 30	1 27	12 18	0 35	24 18	0 47	21 50	1 23	9 14	0 31	16 43	1 41	16 36	16 36	10 9	10 30	10 57		n.a.
S 17	4 15	23 28	5 9	4 50	1 2	10 1	1 27	12 34	0 36	24 18	0 47	21 50	1 23	9 13	0 31	16 42	1 42	16 35	16 36	10 10	10 31	11 0		n.a.
S 18	3 51	26 23	5 16	4 5	0 56	9 33	1 27	12 50	0 36	24 18	0 47	21 50	1 23	9 12	0 31	16 42	1 42	16 34	16 36	10 11	10 32	11 3		n.a.
M19	3 27	28 8	5 8	3 19	0 50	9 4	1 27	13 6	0 37	24 18	0 47	21 51	1 23	9 11	0 31	16 42	1 42	16 33	16 36	10 11	10 33	11 7		n.a.
T 20	3 4	28 30	4 46	2 34	0 44	8 35	1 27	13 22	0 37	24 17	0 47	21 51	1 23	9 11	0 31	16 42	1 42	16 32	16 36	10 11	10 34	11 10		n.a.
W21	2 40	27 21	4 10	1 48	0 37	8 6	1 27	13 38	0 38	24 17	0 47	21 52	1 23	9 10	0 31	16 41	1 42	16 31	16 36	10 11	10 36	11 13		n.a.
T 22	2 16	24 38	3 19	1 3	0 31	7 36	1 27	13 53	0 39	24 17	0 47	21 52	1 23	9 9	0 31	16 41	1 42	16 30	16 36	10 10	10 37	11 16		n.a.
F 23	1 52	20 27	2 15	0 17	0 25	7 7	1 26	14 9	0 39	24 17	0 47	21 52	1 23	9 8	0 31	16 41	1 42	16 29	16 36	10 10	10 38	11 19		n.a.
S 24	1 28	15 0	1 1	0s28	0 18	6 37	1 26	14 24	0 40	24 17	0 47	21 52	1 23	9 8	0 31	16 41	1 42	16 28	16 36	10 9	10 39	11 22		n.a.
S 25	1 3	8 33	0s19	1 13	0 12	6 7	1 26	14 39	0 41	24 16	0 47	21 53	1 23	9 7	0 31	16 40	1 42	16 27	16 36	10 9	10 40	11 25		n.a.
M26	0 39	1 31	1 40	1 57	0 5	5 36	1 25	14 55	0 41	24 16	0 47	21 53	1 23	9 6	0 31	16 40	1 42	16 26	16 36	10 9	10 41	11 28		n.a.
T 27	0 15	5s42	2 54	2 42	0s 2	5 6	1 25	15 10	0 42	24 16	0 47	21 53	1 23	9 5	0 31	16 40	1 42	16 25	16 36	10 10	10 43	11 32		n.a.
W28	0s 9	12 37	3 56	3 26	0 8	4 35	1 24	15 25	0 42	24 16	0 47	21 53	1 23	9 4	0 31	16 40	1 42	16 24	16 36	10 11	10 44	11 35		n.a.
T 29	0 33	18 43	4 42	4 10	0 15	4 5	1 24	15 39	0 43	24 15	0 47	21 53	1 23	9 3	0 31	16 39	1 42	16 24	16 36	10 13	10 45	11 38		n.a.
F 30	0s57	23s36	5s 7	4s53	0s22	3n34	1n23	15s54	0s43	24s15	0s47	21s54	1s23	9n 3	0s31	16n39	1s42	16n23	16n36	10s14	10s46	11n41		n.a.

Julian Day Number = 1631814.5, Delta T = 03h41m27s
Ecliptic obliquity = 23°43'39, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'25, Lahiri = - 7°20'25 Julian Calendar 1 Sept. 246 BCE == Greg. Calendar 28 Aug. 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

OCTOBER 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 20 31	3♎22'46	7♐ 5	12♎56	25♍32	11♏28	8♑16	29°R16	24°R15	21°R14	27♍ 0	3°R44	2♓17	20♈42	n.a.	S 1
S 2	0 24 28	4°22'58	21° 6	14°29	26°48	12°12	8°21	29♑15	24♈13	21♉13	27° 3	3♓42	2°14	20°48	n.a.	S 2
M 3	0 28 25	5°23'11	4♑41	16° 2	28° 3	12°57	8°25	29°15	24°10	21°12	27° 5	3°D41	2°11	20°55	n.a.	M 3
T 4	0 32 21	6°23'26	17°51	17°34	29°18	13°42	8°30	29°14	24° 8	21°11	27° 8	3°41	2° 7	21° 2	n.a.	T 4
W 5	0 36 18	7°23'43	0♒40	19° 6	0♎34	14°27	8°35	29°14	24° 6	21°10	27°10	3°43	2° 4	21° 8	n.a.	W 5
T 6	0 40 14	8°24'01	13°11	20°38	1°49	15°12	8°41	29°14	24° 3	21° 9	27°13	3°45	2° 1	21°15	n.a.	T 6
F 7	0 44 11	9°24'20	25°28	22° 9	3° 5	15°56	8°46	29°14	24° 1	21° 8	27°15	3°46	1°58	21°22	n.a.	F 7
S 8	0 48 7	10°24'42	7♓34	23°39	4°20	16°42	8°52	29°D13	23°58	21° 7	27°17	3°R46	1°55	21°28	n.a.	S 8
S 9	0 52 4	11°25'04	19°33	25° 9	5°36	17°27	8°58	29°14	23°56	21° 6	27°20	3°45	1°52	21°35	n.a.	S 9
M10	0 56 0	12°25'29	1♈27	26°39	6°51	18°12	9° 4	29°14	23°53	21° 4	27°22	3°41	1°48	21°42	n.a.	M10
T 11	0 59 57	13°25'55	13°19	28° 8	8° 7	18°57	9°10	29°14	23°51	21° 3	27°24	3°36	1°45	21°48	n.a.	T 11
W12	1 3 54	14°26'23	25° 9	29°37	9°22	19°42	9°16	29°14	23°49	21° 2	27°27	3°29	1°42	21°55	n.a.	W12
T 13	1 7 50	15°26'53	7♉ 1	1♏ 6	10°38	20°27	9°23	29°15	23°46	21° 0	27°29	3°21	1°39	22° 2	n.a.	T 13
F 14	1 11 47	16°27'24	18°54	2°34	11°53	21°13	9°29	29°15	23°44	20°59	27°31	3°12	1°36	22° 9	n.a.	F 14
S 15	1 15 43	17°27'58	0♊53	4° 1	13° 9	21°58	9°36	29°16	23°41	20°58	27°34	3° 4	1°32	22°15	n.a.	S 15
S 16	1 19 40	18°28'33	12°58	5°28	14°24	22°44	9°43	29°17	23°39	20°56	27°36	2°57	1°29	22°22	n.a.	S 16
M17	1 23 36	19°29'10	25°13	6°54	15°40	23°29	9°50	29°18	23°36	20°55	27°38	2°52	1°26	22°29	n.a.	M17
T 18	1 27 33	20°29'49	7♋42	8°20	16°55	24°15	9°57	29°19	23°34	20°54	27°41	2°49	1°23	22°35	n.a.	T 18
W19	1 31 29	21°30'29	20°29	9°45	18°11	25° 1	10° 5	29°20	23°31	20°52	27°43	2°D48	1°20	22°42	n.a.	W19
T 20	1 35 26	22°31'12	3♌36	11° 9	19°27	25°46	10°13	29°21	23°29	20°51	27°45	2°49	1°17	22°49	n.a.	T 20
F 21	1 39 23	23°31'56	17° 8	12°32	20°42	26°32	10°20	29°23	23°26	20°49	27°47	2°50	1°13	22°55	n.a.	F 21
S 22	1 43 19	24°32'42	1♍ 7	13°55	21°58	27°18	10°28	29°24	23°24	20°48	27°50	2°R51	1°10	23° 2	n.a.	S 22
S 23	1 47 16	25°33'30	15°34	15°16	23°13	28° 4	10°36	29°26	23°21	20°46	27°52	2°50	1° 7	23° 9	n.a.	S 23
M24	1 51 12	26°34'19	0♎25	16°36	24°29	28°50	10°44	29°27	23°19	20°45	27°54	2°47	1° 4	23°15	n.a.	M24
T 25	1 55 9	27°35'10	15°34	17°54	25°44	29°36	10°53	29°29	23°16	20°43	27°56	2°42	1° 1	23°22	n.a.	T 25
W26	1 59 5	28°36'02	0♏53	19°11	27° 0	0♐22	11° 1	29°31	23°14	20°42	27°58	2°34	0°58	23°29	n.a.	W26
T 27	2 3 2	29°36'56	16°10	20°26	28°16	1° 8	11°10	29°33	23°11	20°40	28° 1	2°25	0°54	23°36	n.a.	T 27
F 28	2 6 58	0♏37'50	1♐14	21°39	29°31	1°54	11°19	29°35	23° 9	20°39	28° 3	2°16	0°51	23°42	n.a.	F 28
S 29	2 10 55	1°38'47	15°56	22°50	0♏47	2°40	11°28	29°37	23° 6	20°37	28° 5	2° 8	0°48	23°49	n.a.	S 29
S 30	2 14 52	2°39'44	0♑10	23°58	2° 2	3°26	11°37	29°39	23° 4	20°35	28° 7	2° 1	0°45	23°56	n.a.	S 30
M31	2 18 48	3♏40'41	13♑54	25♏ 2	3♏18	4♐12	11♑46	29♑42	23♈ 1	20♉34	28♍ 9	1♓57	0♓42	24♈ 2	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s22	26s53	5s13	5s36	0s28	3n 3	1n22	16s 9	0s44	24s15	0s47	21s54	1s23	9n 2	0s31	16n39	1s42	16n22	16n36	10s16	10s47	11n44		n.a.
S 2	1 46	28 24	4 59	6 19	0 35	2 32	1 21	16 23	0 45	24 14	0 47	21 54	1 22	9 1	0 31	16 38	1 42	16 21	16 36	10 16	10 48	11 47		n.a.
M 3	2 10	28 7	4 29	7 1	0 42	2 1	1 20	16 38	0 45	24 14	0 47	21 54	1 22	9 0	0 31	16 38	1 42	16 20	16 36	10 17	10 50	11 50		n.a.
T 4	2 34	26 14	3 45	7 43	0 48	1 29	1 19	16 52	0 46	24 14	0 47	21 54	1 22	8 59	0 31	16 38	1 42	16 19	16 36	10 16	10 51	11 53		n.a.
W 5	2 58	23 2	2 51	8 24	0 55	0 58	1 18	17 6	0 46	24 13	0 47	21 54	1 22	8 58	0 31	16 37	1 42	16 18	16 36	10 16	10 52	11 56		n.a.
T 6	3 22	18 49	1 50	9 5	1 1	0 27	1 17	17 20	0 47	24 13	0 47	21 54	1 22	8 57	0 31	16 37	1 42	16 17	16 37	10 15	10 53	12 0		n.a.
F 7	3 46	13 54	0 45	9 46	1 7	0s 5	1 16	17 34	0 47	24 13	0 47	21 54	1 22	8 57	0 31	16 37	1 42	16 16	16 37	10 15	10 54	12 3		n.a.
S 8	4 10	8 31	0n21	10 26	1 13	0 36	1 15	17 47	0 48	24 12	0 47	21 54	1 22	8 56	0 31	16 36	1 42	16 16	16 37	10 15	10 55	12 6		n.a.
S 9	4 34	2 53	1 25	11 5	1 20	1 7	1 14	18 1	0 48	24 12	0 47	21 54	1 22	8 55	0 31	16 36	1 42	16 15	16 37	10 15	10 56	12 9		n.a.
M10	4 58	2n48	2 25	11 43	1 26	1 39	1 12	18 14	0 49	24 11	0 47	21 54	1 22	8 54	0 31	16 36	1 42	16 14	16 37	10 16	10 58	12 12		n.a.
T 11	5 22	8 21	3 18	12 22	1 31	2 10	1 11	18 27	0 49	24 11	0 47	21 53	1 22	8 53	0 31	16 35	1 42	16 13	16 37	10 18	10 59	12 15		n.a.
W12	5 46	13 36	4 3	12 59	1 37	2 41	1 10	18 40	0 50	24 10	0 46	21 53	1 22	8 52	0 31	16 35	1 42	16 12	16 37	10 21	11 0	12 18		n.a.
T 13	6 9	18 22	4 37	13 36	1 42	3 13	1 8	18 53	0 50	24 10	0 46	21 53	1 22	8 51	0 31	16 35	1 42	16 11	16 37	10 24	11 1	12 21		n.a.
F 14	6 33	22 26	4 59	14 11	1 48	3 44	1 7	19 6	0 51	24 9	0 46	21 53	1 22	8 50	0 31	16 34	1 43	16 11	16 38	10 27	11 2	12 24		n.a.
S 15	6 56	25 36	5 8	14 47	1 53	4 15	1 5	19 18	0 51	24 9	0 46	21 53	1 22	8 49	0 31	16 34	1 43	16 10	16 38	10 30	11 3	12 27		n.a.
S 16	7 20	27 38	5 3	15 21	1 58	4 46	1 4	19 31	0 52	24 8	0 46	21 53	1 22	8 48	0 31	16 34	1 43	16 9	16 38	10 32	11 4	12 30		n.a.
M17	7 43	28 23	4 45	15 54	2 2	5 17	1 2	19 43	0 52	24 8	0 46	21 52	1 21	8 47	0 31	16 33	1 43	16 8	16 38	10 34	11 6	12 33		n.a.
T 18	8 6	27 43	4 13	16 27	2 7	5 48	1 0	19 55	0 53	24 7	0 46	21 52	1 21	8 46	0 31	16 33	1 43	16 8	16 38	10 35	11 7	12 36		n.a.
W19	8 29	25 34	3 28	16 58	2 11	6 19	0 59	20 6	0 53	24 6	0 46	21 52	1 21	8 46	0 31	16 32	1 43	16 7	16 39	10 36	11 8	12 39		n.a.
T 20	8 52	22 1	2 31	17 29	2 15	6 49	0 57	20 18	0 54	24 6	0 46	21 51	1 21	8 45	0 31	16 32	1 43	16 6	16 39	10 36	11 9	12 43		n.a.
F 21	9 15	17 13	1 24	17 58	2 18	7 20	0 55	20 29	0 54	24 5	0 46	21 51	1 21	8 44	0 31	16 32	1 43	16 6	16 39	10 35	11 10	12 46		n.a.
S 22	9 37	11 21	0 9	18 27	2 21	7 50	0 53	20 41	0 55	24 5	0 46	21 51	1 21	8 43	0 31	16 31	1 43	16 5	16 39	10 35	11 11	12 49		n.a.
S 23	10 0	4 43	1s 8	18 54	2 24	8 20	0 51	20 51	0 55	24 4	0 46	21 50	1 21	8 42	0 31	16 31	1 43	16 4	16 39	10 35	11 12	12 52		n.a.
M24	10 22	2s20	2 22	19 20	2 26	8 50	0 49	21 2	0 55	24 3	0 46	21 50	1 21	8 41	0 31	16 30	1 43	16 4	16 40	10 36	11 14	12 55		n.a.
T 25	10 44	9 24	3 28	19 44	2 28	9 20	0 47	21 13	0 56	24 2	0 46	21 49	1 21	8 40	0 31	16 30	1 43	16 3	16 40	10 38	11 15	12 58		n.a.
W26	11 6	15 58	4 20	20 7	2 29	9 49	0 45	21 23	0 56	24 2	0 46	21 49	1 21	8 39	0 31	16 29	1 43	16 2	16 40	10 41	11 16	13 1		n.a.
T 27	11 28	21 32	4 53	20 29	2 30	10 19	0 43	21 33	0 57	24 1	0 46	21 48	1 21	8 38	0 31	16 29	1 43	16 2	16 41	10 44	11 17	13 4		n.a.
F 28	11 50	25 37	5 5	20 49	2 30	10 48	0 41	21 43	0 57	24 0	0 46	21 48	1 21	8 37	0 31	16 29	1 43	16 1	16 41	10 48	11 18	13 7		n.a.
S 29	12 11	27 53	4 56	21 7	2 30	11 16	0 39	21 53	0 57	23 59	0 46	21 47	1 21	8 36	0 31	16 28	1 43	16 0	16 41	10 51	11 19	13 10		n.a.
S 30	12 33	28 13	4 29	21 23	2 29	11 45	0 37	22 2	0 58	23 59	0 46	21 47	1 21	8 35	0 31	16 28	1 43	16 0	16 41	10 53	11 20	13 13		n.a.
M31	12s54	26s45	3s47	21s37	2s27	12s13	0n35	22s12	0s58	23s58	0s46	21s46	1s21	8n34	0s31	16n27	1s43	15n59	16n42	10s54	11s22	13n16		n.a.

Julian Day Number = 1631844.5, Delta T = 03h41m26s
Ecliptic obliquity = 23°43'38, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'21, Lahiri = - 7°20'21 Julian Calendar 1 Oct. 246 BCE == Greg. Calendar 27 Sept. 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

NOVEMBER 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 22 45	4♏41'40	27♑ 8	26♏ 3	4♏34	4♐59	11♑55	29♑44	22°R59	20°R32	28♍11	1°R55	0♓38	24♈ 9	n.a.	T 1
W 2	2 26 41	5°42'40	9♒57	27° 0	5°49	5°45	12° 4	29°47	22♈56	20♉31	28°13	1°D55	0°35	24°16	n.a.	W 2
T 3	2 30 38	6°43'40	22°24	27°52	7° 5	6°31	12°14	29°49	22°54	20°29	28°15	1♓55	0°32	24°22	n.a.	T 3
F 4	2 34 34	7°44'41	4♓35	28°39	8°20	7°18	12°24	29°52	22°52	20°27	28°17	1°R56	0°29	24°29	n.a.	F 4
S 5	2 38 31	8°45'43	16°35	29°20	9°36	8° 4	12°33	29°55	22°49	20°26	28°19	1°54	0°26	24°36	n.a.	S 5
S 6	2 42 27	9°46'45	28°27	29°53	10°51	8°51	12°43	29°58	22°47	20°24	28°21	1°51	0°23	24°43	n.a.	S 6
M 7	2 46 24	10°47'49	10♈17	0♐19	12° 7	9°37	12°53	0♒ 1	22°44	20°22	28°23	1°45	0°19	24°49	n.a.	M 7
T 8	2 50 21	11°48'53	22° 7	0°37	13°22	10°24	13° 4	0° 4	22°42	20°21	28°25	1°35	0°16	24°56	n.a.	T 8
W 9	2 54 17	12°49'58	3♉58	0°R45	14°38	11°10	13°14	0° 7	22°40	20°19	28°27	1°24	0°13	25° 3	n.a.	W 9
T 10	2 58 14	13°51'04	15°54	0°43	15°54	11°57	13°24	0°10	22°37	20°17	28°29	1°10	0°10	25° 9	n.a.	T 10
F 11	3 2 10	14°52'10	27°55	0°29	17° 9	12°44	13°35	0°14	22°35	20°15	28°30	0°56	0° 7	25°16	n.a.	F 11
S 12	3 6 7	15°53'18	10♊ 2	0° 5	18°25	13°30	13°45	0°17	22°33	20°14	28°32	0°42	0° 4	25°23	n.a.	S 12
S 13	3 10 3	16°54'26	22°17	29♏29	19°40	14°17	13°56	0°21	22°31	20°12	28°34	0°30	0° 0	25°29	n.a.	S 13
M14	3 14 0	17°55'35	4♋40	28°42	20°56	15° 4	14° 7	0°25	22°28	20°10	28°36	0°21	29♒57	25°36	n.a.	M14
T 15	3 17 57	18°56'45	17°14	27°44	22°11	15°51	14°18	0°28	22°26	20° 9	28°38	0°14	29°54	25°43	n.a.	T 15
W16	3 21 53	19°57'56	0♌ 2	26°37	23°27	16°37	14°29	0°32	22°24	20° 7	28°39	0°10	29°51	25°49	n.a.	W16
T 17	3 25 50	20°59'08	13° 6	25°22	24°42	17°24	14°40	0°36	22°22	20° 5	28°41	0° 9	29°48	25°56	n.a.	T 17
F 18	3 29 46	22° 0'20	26°29	24° 2	25°58	18°11	14°51	0°40	22°20	20° 4	28°43	0° 9	29°44	26° 3	n.a.	F 18
S 19	3 33 43	23° 1'34	10♍16	22°40	27°13	18°58	15° 3	0°44	22°18	20° 2	28°44	0° 9	29°41	26°10	n.a.	S 19
S 20	3 37 39	24° 2'48	24°26	21°17	28°29	19°45	15°14	0°49	22°16	20° 0	28°46	0° 7	29°38	26°16	n.a.	S 20
M21	3 41 36	25° 4'02	8♎59	19°58	29°44	20°32	15°26	0°53	22°14	19°58	28°47	0° 3	29°35	26°23	n.a.	M21
T 22	3 45 32	26° 5'18	23°52	18°44	1♐ 0	21°19	15°37	0°57	22°12	19°57	28°49	29♒56	29°32	26°30	n.a.	T 22
W23	3 49 29	27° 6'34	8♏58	17°38	2°15	22° 6	15°49	1° 2	22°10	19°55	28°51	29°46	29°29	26°36	n.a.	W23
T 24	3 53 26	28° 7'50	24° 8	16°40	3°31	22°53	16° 1	1° 6	22° 8	19°53	28°52	29°35	29°25	26°43	n.a.	T 24
F 25	3 57 22	29° 9'07	9♐11	15°53	4°46	23°40	16°13	1°11	22° 6	19°52	28°53	29°23	29°22	26°50	n.a.	F 25
S 26	4 1 19	0♐10'24	23°57	15°16	6° 2	24°27	16°25	1°16	22° 4	19°50	28°55	29°11	29°19	26°57	n.a.	S 26
S 27	4 5 15	1°11'41	8♑18	14°50	7°17	25°14	16°37	1°20	22° 3	19°48	28°56	29° 2	29°16	27° 3	n.a.	S 27
M28	4 9 12	2°12'58	22°10	14°35	8°32	26° 2	16°49	1°25	22° 1	19°47	28°58	28°55	29°13	27°10	n.a.	M28
T 29	4 13 8	3°14'14	5♒32	14°D29	9°48	26°49	17° 1	1°30	21°59	19°45	28°59	28°51	29°10	27°17	n.a.	T 29
W30	4 17 5	4♐15'31	18♒27	14♏33	11♐ 3	27♐36	17♑14	1♒35	21♈57	19♉43	29♍ 0	28♒50	29♒ 6	27♈23	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s14	23s50	2s54	21s50	2s24	12s41	0n33	22s21	0s59	23s57	0s46	21s46	1s20	8n34	0s31	16n27	1s43	15n59	16n42	10s55	11s23	13n19		n.a.
W 2	13 35	19 48	1 54	22 0	2 20	13 9	0 30	22 29	0 59	23 56	0 46	21 45	1 20	8 33	0 31	16 26	1 43	15 58	16 42	10 55	11 24	13 22		n.a.
T 3	13 55	15 0	0 51	22 7	2 15	13 36	0 28	22 38	0 59	23 55	0 46	21 44	1 20	8 32	0 31	16 26	1 43	15 58	16 43	10 55	11 25	13 25		n.a.
F 4	14 16	9 43	0n14	22 12	2 9	14 3	0 26	22 46	1 0	23 54	0 46	21 44	1 20	8 31	0 31	16 25	1 43	15 57	16 43	10 55	11 26	13 28		n.a.
S 5	14 35	4 10	1 17	22 14	2 2	14 29	0 24	22 54	1 0	23 53	0 46	21 43	1 20	8 30	0 31	16 25	1 43	15 57	16 43	10 55	11 27	13 31		n.a.
S 6	14 55	1n27	2 16	22 14	1 54	14 55	0 21	23 2	1 0	23 52	0 46	21 42	1 20	8 29	0 31	16 25	1 43	15 56	16 44	10 57	11 28	13 34		n.a.
M 7	15 15	7 0	3 9	22 10	1 45	15 21	0 19	23 9	1 1	23 51	0 46	21 42	1 20	8 28	0 31	16 24	1 43	15 56	16 44	10 59	11 29	13 37		n.a.
T 8	15 34	12 18	3 53	22 3	1 34	15 47	0 17	23 17	1 1	23 50	0 46	21 41	1 20	8 27	0 31	16 24	1 43	15 55	16 44	11 2	11 31	13 40		n.a.
W 9	15 53	17 10	4 27	21 53	1 21	16 12	0 14	23 24	1 1	23 49	0 46	21 40	1 20	8 27	0 31	16 23	1 43	15 55	16 45	11 6	11 32	13 43		n.a.
T 10	16 11	21 25	4 50	21 39	1 7	16 36	0 12	23 31	1 2	23 48	0 46	21 39	1 20	8 26	0 31	16 23	1 43	15 55	16 45	11 11	11 33	13 46		n.a.
F 11	16 29	24 48	5 0	21 21	0 52	17 0	0 10	23 37	1 2	23 47	0 46	21 39	1 20	8 25	0 31	16 22	1 43	15 54	16 46	11 16	11 34	13 49		n.a.
S 12	16 48	27 6	4 56	20 59	0 35	17 24	0 7	23 43	1 2	23 46	0 46	21 38	1 20	8 24	0 31	16 22	1 43	15 54	16 46	11 21	11 35	13 52		n.a.
S 13	17 5	28 9	4 39	20 34	0 17	17 47	0 5	23 49	1 2	23 45	0 46	21 37	1 20	8 23	0 31	16 21	1 43	15 54	16 46	11 26	11 36	13 55		n.a.
M14	17 23	27 47	4 9	20 4	0n 2	18 10	0 3	23 55	1 3	23 44	0 46	21 36	1 20	8 22	0 31	16 21	1 43	15 53	16 47	11 29	11 37	13 58		n.a.
T 15	17 40	26 0	3 26	19 32	0 22	18 32	0 0	24 0	1 3	23 42	0 46	21 35	1 20	8 22	0 31	16 21	1 43	15 53	16 47	11 31	11 39	14 1		n.a.
W16	17 57	22 52	2 32	18 56	0 43	18 54	0s 2	24 6	1 3	23 41	0 46	21 34	1 20	8 21	0 31	16 20	1 43	15 53	16 48	11 33	11 40	14 4		n.a.
T 17	18 13	18 30	1 29	18 19	1 3	19 15	0 5	24 11	1 3	23 40	0 46	21 33	1 20	8 20	0 31	16 20	1 43	15 52	16 48	11 33	11 41	14 7		n.a.
F 18	18 29	13 8	0 19	17 40	1 23	19 35	0 7	24 15	1 4	23 39	0 46	21 32	1 19	8 19	0 31	16 19	1 43	15 52	16 49	11 33	11 42	14 9		n.a.
S 19	18 45	7 0	0s53	17 1	1 42	19 56	0 9	24 19	1 4	23 37	0 46	21 31	1 19	8 19	0 31	16 19	1 43	15 52	16 49	11 33	11 43	14 12		n.a.
S 20	19 1	0 20	2 4	16 23	1 59	20 15	0 12	24 24	1 4	23 36	0 46	21 30	1 19	8 18	0 31	16 18	1 43	15 52	16 49	11 34	11 44	14 15		n.a.
M21	19 16	6s30	3 10	15 47	2 14	20 34	0 14	24 27	1 4	23 35	0 46	21 29	1 19	8 17	0 31	16 18	1 43	15 51	16 50	11 35	11 45	14 18		n.a.
T 22	19 30	13 8	4 3	15 14	2 28	20 52	0 16	24 31	1 5	23 33	0 46	21 28	1 19	8 16	0 31	16 17	1 43	15 51	16 50	11 38	11 46	14 21		n.a.
W23	19 45	19 5	4 41	14 45	2 39	21 10	0 19	24 34	1 5	23 32	0 46	21 27	1 19	8 16	0 31	16 17	1 43	15 51	16 51	11 41	11 48	14 24		n.a.
T 24	19 59	23 51	4 59	14 21	2 47	21 27	0 21	24 37	1 5	23 30	0 46	21 26	1 19	8 15	0 31	16 16	1 43	15 51	16 51	11 45	11 49	14 27		n.a.
F 25	20 13	26 57	4 56	14 1	2 54	21 44	0 23	24 40	1 5	23 29	0 46	21 25	1 19	8 14	0 31	16 16	1 43	15 51	16 52	11 50	11 50	14 30		n.a.
S 26	20 26	28 8	4 33	13 46	2 58	22 0	0 26	24 42	1 5	23 28	0 46	21 24	1 19	8 14	0 30	16 16	1 43	15 51	16 52	11 54	11 51	14 33		n.a.
S 27	20 39	27 20	3 53	13 36	3 1	22 15	0 28	24 44	1 6	23 26	0 46	21 23	1 19	8 13	0 30	16 15	1 43	15 50	16 53	11 57	11 52	14 36		n.a.
M28	20 51	24 51	3 1	13 31	3 1	22 30	0 30	24 46	1 6	23 24	0 46	21 22	1 19	8 12	0 30	16 15	1 43	15 50	16 53	11 59	11 53	14 39		n.a.
T 29	21 3	21 3	2 0	13 31	3 0	22 43	0 33	24 47	1 6	23 23	0 46	21 21	1 19	8 12	0 30	16 14	1 43	15 50	16 54	12 1	11 54	14 42		n.a.
W30	21s15	16s21	0s55	13s34	2n58	22s57	0s35	24s48	1s 6	23s21	0s46	21s20	1s19	8n11	0s30	16n14	1s43	15n50	16n54	12s 1	11s55	14n45		n.a.

Julian Day Number = 1631875.5, Delta T = 03h41m25s
Ecliptic obliquity = 23°43'38, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'17, Lahiri = - 7°20'17 Julian Calendar 1 Nov. 246 BCE == Greg. Calendar 28 Oct. 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 246 BCE
geocentric

DECEMBER 246 BCE (-245) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 21 1	5♐16'47	0♓58	14♏46	12♐19	28♐23	17♑26	1♒40	21°R56	19°R42	29♍ 2	28°R49	29♒ 3	27♈30	n.a.	T 1
F 2	4 24 58	6°18'03	13°10	15° 6	13°34	29°10	17°39	1°45	21♈54	19♉40	29° 3	28♒49	29° 0	27°37	n.a.	F 2
S 3	4 28 55	7°19'18	25°10	15°34	14°50	29°58	17°51	1°51	21°53	19°39	29° 4	28°48	28°57	27°43	n.a.	S 3
S 4	4 32 51	8°20'33	7♈ 1	16° 8	16° 5	0♑45	18° 4	1°56	21°51	19°37	29° 5	28°45	28°54	27°50	n.a.	S 4
M 5	4 36 48	9°21'48	18°50	16°48	17°20	1°32	18°17	2° 1	21°50	19°35	29° 6	28°39	28°50	27°57	n.a.	M 5
T 6	4 40 44	10°23'02	0♉40	17°33	18°36	2°19	18°29	2° 7	21°48	19°34	29° 8	28°30	28°47	28° 4	n.a.	T 6
W 7	4 44 41	11°24'17	12°35	18°23	19°51	3° 7	18°42	2°12	21°47	19°32	29° 9	28°18	28°44	28°10	n.a.	W 7
T 8	4 48 37	12°25'30	24°37	19°17	21° 6	3°54	18°55	2°18	21°45	19°31	29°10	28° 5	28°41	28°17	n.a.	T 8
F 9	4 52 34	13°26'44	6♊47	20°15	22°22	4°41	19° 8	2°23	21°44	19°29	29°11	27°51	28°38	28°24	n.a.	F 9
S 10	4 56 31	14°27'57	19° 7	21°16	23°37	5°29	19°21	2°29	21°43	19°28	29°12	27°37	28°35	28°30	n.a.	S 10
S 11	5 0 27	15°29'09	1♋36	22°20	24°52	6°16	19°34	2°35	21°42	19°26	29°13	27°25	28°31	28°37	n.a.	S 11
M12	5 4 24	16°30'21	14°16	23°26	26° 8	7° 3	19°47	2°41	21°40	19°25	29°14	27°15	28°28	28°44	n.a.	M12
T 13	5 8 20	17°31'33	27° 5	24°35	27°23	7°51	20° 1	2°46	21°39	19°23	29°14	27° 9	28°25	28°50	n.a.	T 13
W14	5 12 17	18°32'45	10♌ 6	25°46	28°38	8°38	20°14	2°52	21°38	19°22	29°15	27° 5	28°22	28°57	n.a.	W14
T 15	5 16 13	19°33'56	23°19	26°59	29°53	9°25	20°27	2°58	21°37	19°20	29°16	27°D 4	28°19	29° 4	n.a.	T 15
F 16	5 20 10	20°35'07	6♍46	28°14	1♑ 9	10°13	20°41	3° 4	21°36	19°19	29°17	27° 4	28°16	29°11	n.a.	F 16
S 17	5 24 6	21°36'18	20°28	29°30	2°24	11° 0	20°54	3°11	21°35	19°17	29°18	27°R 4	28°12	29°17	n.a.	S 17
S 18	5 28 3	22°37'28	4♎27	0♐48	3°39	11°47	21° 8	3°17	21°34	19°16	29°18	27° 4	28° 9	29°24	n.a.	S 18
M19	5 32 0	23°38'38	18°43	2° 7	4°54	12°35	21°21	3°23	21°34	19°15	29°19	27° 1	28° 6	29°31	n.a.	M19
T 20	5 35 56	24°39'47	3♏13	3°28	6°10	13°22	21°35	3°29	21°33	19°13	29°20	26°56	28° 3	29°37	n.a.	T 20
W21	5 39 53	25°40'56	17°54	4°49	7°25	14°10	21°48	3°35	21°32	19°12	29°20	26°49	28° 0	29°44	n.a.	W21
T 22	5 43 49	26°42'04	2♐40	6°12	8°40	14°57	22° 2	3°42	21°31	19°11	29°21	26°39	27°56	29°51	n.a.	T 22
F 23	5 47 46	27°43'12	17°23	7°35	9°55	15°44	22°16	3°48	21°31	19° 9	29°21	26°29	27°53	29°58	n.a.	F 23
S 24	5 51 42	28°44'19	1♑54	8°59	11°10	16°32	22°30	3°55	21°30	19° 8	29°22	26°20	27°50	0♉ 4	n.a.	S 24
S 25	5 55 39	29°45'25	16° 7	10°25	12°26	17°19	22°44	4° 1	21°30	19° 7	29°22	26°12	27°47	0°11	n.a.	S 25
M26	5 59 36	0♑46'30	29°56	11°51	13°41	18° 7	22°57	4° 8	21°29	19° 6	29°23	26° 7	27°44	0°18	n.a.	M26
T 27	6 3 32	1°47'34	13♒20	13°18	14°56	18°54	23°11	4°14	21°29	19° 5	29°23	26° 4	27°41	0°24	n.a.	T 27
W28	6 7 29	2°48'36	26°18	14°46	16°11	19°41	23°25	4°21	21°29	19° 4	29°23	26°D 3	27°37	0°31	n.a.	W28
T 29	6 11 25	3°49'37	8♓54	16°14	17°26	20°29	23°39	4°28	21°28	19° 2	29°24	26° 3	27°34	0°38	n.a.	T 29
F 30	6 15 22	4°50'37	21°11	17°43	18°41	21°16	23°53	4°34	21°28	19° 1	29°24	26° 5	27°31	0°45	n.a.	F 30
S 31	6 19 18	5♑51'36	3♈13	19♐13	19♑56	22♑ 3	24♑ 7	4♒41	21♈28	19♉ 0	29♍24	26°R 5	27♒28	0♉51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	21s26	11s 5	0n11	13s41	2n54	23s 9	0s37	24s49	1s 6	23s20	0s46	21s18	1s19	8n10	0s30	16n13	1s43	15n50	16n55	12s 1	11s57	14n47			n.a.
F 2	21 37	5 32	1 15	13 51	2 50	23 21	0 39	24 50	1 6	23 18	0 46	21 17	1 19	8 10	0 30	16 13	1 43	15 50	16 55	12 1	11 58	14 50			n.a.
S 3	21 48	0n 7	2 14	14 5	2 45	23 32	0 41	24 50	1 7	23 16	0 46	21 16	1 19	8 9	0 30	16 13	1 43	15 50	16 56	12 2	11 59	14 53			n.a.
S 4	21 58	5 41	3 7	14 20	2 39	23 43	0 44	24 50	1 7	23 15	0 46	21 15	1 19	8 9	0 30	16 12	1 43	15 50	16 56	12 3	12 0	14 56			n.a.
M 5	22 7	11 2	3 52	14 38	2 32	23 52	0 46	24 50	1 7	23 13	0 46	21 13	1 19	8 8	0 30	16 12	1 43	15 50	16 57	12 5	12 1	14 59			n.a.
T 6	22 16	15 59	4 26	14 57	2 25	24 1	0 48	24 49	1 7	23 11	0 46	21 12	1 19	8 8	0 30	16 11	1 42	15 50	16 57	12 8	12 2	15 2			n.a.
W 7	22 25	20 23	4 49	15 19	2 17	24 10	0 50	24 48	1 7	23 9	0 46	21 11	1 19	8 7	0 30	16 11	1 42	15 50	16 58	12 12	12 3	15 5			n.a.
T 8	22 33	23 59	5 0	15 41	2 10	24 17	0 52	24 47	1 7	23 8	0 46	21 10	1 19	8 7	0 30	16 11	1 42	15 50	16 58	12 17	12 4	15 8			n.a.
F 9	22 41	26 34	4 57	16 4	2 2	24 24	0 54	24 46	1 7	23 6	0 46	21 8	1 19	8 6	0 30	16 10	1 42	15 50	16 59	12 22	12 5	15 11			n.a.
S 10	22 49	27 55	4 40	16 28	1 53	24 30	0 56	24 44	1 7	23 4	0 46	21 7	1 19	8 6	0 30	16 10	1 42	15 50	17 0	12 27	12 7	15 13			n.a.
S 11	22 56	27 52	4 9	16 53	1 45	24 35	0 58	24 42	1 7	23 2	0 46	21 6	1 19	8 5	0 30	16 9	1 42	15 51	17 0	12 31	12 8	15 16			n.a.
M12	23 2	26 22	3 26	17 18	1 37	24 40	0 59	24 40	1 7	23 0	0 46	21 4	1 18	8 5	0 30	16 9	1 42	15 51	17 1	12 34	12 9	15 19			n.a.
T 13	23 8	23 28	2 32	17 43	1 28	24 43	1 1	24 37	1 8	22 58	0 46	21 3	1 18	8 5	0 30	16 9	1 42	15 51	17 1	12 37	12 10	15 22			n.a.
W14	23 14	19 21	1 29	18 9	1 20	24 46	1 3	24 34	1 8	22 56	0 46	21 1	1 18	8 4	0 30	16 8	1 42	15 51	17 2	12 38	12 11	15 25			n.a.
T 15	23 19	14 13	0 20	18 34	1 11	24 48	1 5	24 31	1 8	22 54	0 46	21 0	1 18	8 4	0 30	16 8	1 42	15 51	17 2	12 38	12 12	15 28			n.a.
F 16	23 23	8 20	0s51	18 59	1 3	24 50	1 6	24 27	1 8	22 52	0 46	20 59	1 18	8 4	0 30	16 8	1 42	15 51	17 3	12 38	12 13	15 30			n.a.
S 17	23 27	1 58	2 1	19 24	0 54	24 50	1 8	24 23	1 8	22 50	0 46	20 57	1 18	8 3	0 30	16 7	1 42	15 52	17 3	12 38	12 14	15 33			n.a.
S 18	23 31	4s37	3 5	19 49	0 46	24 50	1 10	24 19	1 8	22 48	0 46	20 56	1 18	8 3	0 30	16 7	1 42	15 52	17 4	12 38	12 15	15 36			n.a.
M19	23 34	11 5	3 59	20 13	0 38	24 49	1 11	24 15	1 8	22 46	0 46	20 54	1 18	8 3	0 30	16 7	1 42	15 52	17 5	12 39	12 17	15 39			n.a.
T 20	23 37	17 5	4 38	20 37	0 29	24 47	1 13	24 10	1 8	22 44	0 46	20 53	1 18	8 2	0 30	16 6	1 42	15 52	17 5	12 41	12 18	15 42			n.a.
W21	23 39	22 10	5 0	21 0	0 21	24 45	1 14	24 5	1 8	22 42	0 46	20 51	1 18	8 2	0 30	16 6	1 42	15 53	17 6	12 43	12 19	15 45			n.a.
T 22	23 41	25 53	5 2	21 23	0 13	24 42	1 15	24 0	1 8	22 39	0 46	20 50	1 18	8 2	0 30	16 6	1 42	15 53	17 6	12 47	12 20	15 47			n.a.
F 23	23 42	27 50	4 44	21 45	0 5	24 38	1 17	23 54	1 8	22 37	0 46	20 48	1 18	8 2	0 30	16 5	1 42	15 53	17 7	12 50	12 21	15 50			n.a.
S 24	23 43	27 51	4 8	22 6	0s 2	24 33	1 18	23 49	1 8	22 35	0 46	20 47	1 18	8 1	0 30	16 5	1 42	15 54	17 7	12 53	12 22	15 53			n.a.
S 25	23 44	26 0	3 17	22 26	0 10	24 27	1 19	23 43	1 8	22 33	0 46	20 45	1 18	8 1	0 30	16 5	1 42	15 54	17 8	12 56	12 23	15 56			n.a.
M26	23 43	22 36	2 15	22 46	0 17	24 21	1 21	23 36	1 8	22 30	0 46	20 43	1 18	8 1	0 30	16 5	1 42	15 54	17 9	12 58	12 24	15 59			n.a.
T 27	23 43	18 6	1 8	23 4	0 24	24 14	1 22	23 30	1 8	22 28	0 46	20 42	1 18	8 1	0 30	16 4	1 42	15 55	17 9	12 59	12 25	16 1			n.a.
W28	23 42	12 53	0n 1	23 22	0 31	24 6	1 23	23 23	1 8	22 26	0 46	20 40	1 18	8 1	0 30	16 4	1 42	15 55	17 10	12 59	12 27	16 4			n.a.
T 29	23 40	7 16	1 9	23 38	0 38	23 57	1 24	23 15	1 8	22 23	0 46	20 39	1 18	8 1	0 30	16 4	1 42	15 55	17 10	12 59	12 28	16 7			n.a.
F 30	23 38	1 32	2 11	23 54	0 45	23 48	1 25	23 8	1 8	22 21	0 46	20 37	1 18	8 1	0 29	16 3	1 42	15 56	17 11	12 59	12 29	16 10			n.a.
S 31	23s36	4n 8	3n 6	24s 8	0s51	23s38	1s26	23s 0	1s 7	22s18	0s46	20s35	1s18	8n 1	0s29	16n 3	1s41	15n56	17n11	12s58	12s30	16n13			n.a.

Julian Day Number = 1631905.5, Delta T = 03h41m24s
Ecliptic obliquity = 23°43'37, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'13, Lahiri = - 7°20'13 Julian Calendar 1 Dec. 246 BCE == Greg. Calendar 27 Nov. 246 BCE

The year -245 astronomical counting style corresponds to year 246 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

JANUARY 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 23 15	6♑52'32	15♈ 7	20♐44	21♑11	22♑51	24♑21	4♒48	21°R28	18°R59	29♍24	26°R 5	27♒25	0♉58	n.a.	S 1
M 2	6 27 11	7°53'28	26°58	22°16	22°26	23°38	24°36	4°55	21♈27	18♉58	29°24	26♒ 3	27°22	1° 5	n.a.	M 2
T 3	6 31 8	8°54'22	8♉50	23°48	23°41	24°25	24°50	5° 2	21°D27	18°57	29°25	25°58	27°18	1°11	n.a.	T 3
W 4	6 35 5	9°55'14	20°47	25°21	24°56	25°13	25° 4	5° 8	21°27	18°56	29°25	25°52	27°15	1°18	n.a.	W 4
T 5	6 39 1	10°56'06	2♊54	26°55	26°11	26° 0	25°18	5°15	21°27	18°55	29°25	25°44	27°12	1°25	n.a.	T 5
F 6	6 42 58	11°56'55	15°12	28°29	27°26	26°47	25°32	5°22	21°28	18°54	29°R25	25°36	27° 9	1°31	n.a.	F 6
S 7	6 46 54	12°57'44	27°44	0♋ 4	28°41	27°35	25°46	5°29	21°28	18°54	29°25	25°28	27° 6	1°38	n.a.	S 7
S 8	6 50 51	13°58'30	10♋29	1°40	29°56	28°22	26° 1	5°36	21°28	18°53	29°25	25°20	27° 2	1°45	n.a.	S 8
M 9	6 54 47	14°59'16	23°28	3°17	1♒11	29° 9	26°15	5°43	21°28	18°52	29°25	25°15	26°59	1°52	n.a.	M 9
T 10	6 58 44	15°59'59	6♌40	4°54	2°25	29°56	26°29	5°50	21°29	18°51	29°24	25°11	26°56	1°58	n.a.	T 10
W11	7 2 40	17° 0'42	20° 4	6°33	3°40	0♒44	26°44	5°58	21°29	18°50	29°24	25°D10	26°53	2° 5	n.a.	W11
T 12	7 6 37	18° 1'23	3♍39	8°12	4°55	1°31	26°58	6° 5	21°29	18°50	29°24	25°10	26°50	2°12	n.a.	T 12
F 13	7 10 34	19° 2'03	17°23	9°52	6°10	2°18	27°12	6°12	21°30	18°49	29°24	25°11	26°47	2°18	n.a.	F 13
S 14	7 14 30	20° 2'41	1♎16	11°33	7°24	3° 5	27°27	6°19	21°30	18°48	29°24	25°12	26°43	2°25	n.a.	S 14
S 15	7 18 27	21° 3'18	15°18	13°14	8°39	3°52	27°41	6°26	21°31	18°48	29°23	25°R14	26°40	2°32	n.a.	S 15
M16	7 22 23	22° 3'54	29°27	14°57	9°54	4°39	27°55	6°33	21°32	18°47	29°23	25°13	26°37	2°39	n.a.	M16
T 17	7 26 20	23° 4'29	13♏41	16°40	11° 9	5°26	28°10	6°41	21°32	18°47	29°23	25°12	26°34	2°45	n.a.	T 17
W18	7 30 16	24° 5'02	27°59	18°24	12°23	6°13	28°24	6°48	21°33	18°46	29°22	25° 9	26°31	2°52	n.a.	W18
T 19	7 34 13	25° 5'34	12♐16	20°10	13°38	7° 1	28°39	6°55	21°34	18°46	29°22	25° 5	26°28	2°59	n.a.	T 19
F 20	7 38 9	26° 6'04	26°29	21°56	14°52	7°48	28°53	7° 3	21°35	18°45	29°21	25° 0	26°24	3° 5	n.a.	F 20
S 21	7 42 6	27° 6'33	10♑32	23°43	16° 7	8°35	29° 8	7°10	21°36	18°45	29°21	24°56	26°21	3°12	n.a.	S 21
S 22	7 46 3	28° 7'00	24°22	25°31	17°22	9°22	29°22	7°17	21°36	18°44	29°20	24°52	26°18	3°19	n.a.	S 22
M23	7 49 59	29° 7'26	7♒55	27°20	18°36	10° 9	29°36	7°24	21°37	18°44	29°20	24°50	26°15	3°26	n.a.	M23
T 24	7 53 56	0♒ 7'49	21° 8	29°10	19°51	10°55	29°51	7°32	21°39	18°44	29°19	24°D49	26°12	3°32	n.a.	T 24
W25	7 57 52	1° 8'11	4♓ 1	1♒ 0	21° 5	11°42	0♒ 5	7°39	21°40	18°43	29°18	24°49	26° 8	3°39	n.a.	W25
T 26	8 1 49	2° 8'30	16°36	2°52	22°20	12°29	0°20	7°47	21°41	18°43	29°18	24°50	26° 5	3°46	n.a.	T 26
F 27	8 5 45	3° 8'47	28°54	4°44	23°34	13°16	0°34	7°54	21°42	18°43	29°17	24°52	26° 2	3°52	n.a.	F 27
S 28	8 9 42	4° 9'03	10♈59	6°37	24°48	14° 3	0°49	8° 1	21°43	18°43	29°16	24°54	25°59	3°59	n.a.	S 28
S 29	8 13 38	5° 9'16	22°56	8°31	26° 3	14°50	1° 3	8° 9	21°44	18°43	29°15	24°55	25°56	4° 6	n.a.	S 29
M30	8 17 35	6° 9'27	4♉48	10°26	27°17	15°37	1°17	8°16	21°46	18°42	29°15	24°R55	25°53	4°13	n.a.	M30
T 31	8 21 32	7♒ 9'35	16♉41	12♒21	28♒31	16♒23	1♒32	8♒23	21♈47	18♉42	29♍14	24♒55	25♒49	4♉19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s33	9n36	3n53	24s21	0s58	23s27	1s26	22s52	1s 7	22s16	0s46	20s34	1s18	8n 1	0s29	16n 3	1s41	15n57	17n12	12s59	12s31	16n15			n.a.
M 2	23 29	14 41	4 29	24 33	1 4	23 16	1 27	22 44	1 7	22 13	0 47	20 32	1 18	8 1	0 29	16 3	1 41	15 57	17 13	12 59	12 32	16 18			n.a.
T 3	23 25	19 15	4 54	24 44	1 9	23 4	1 28	22 36	1 7	22 11	0 47	20 30	1 18	8 1	0 29	16 3	1 41	15 58	17 13	13 1	12 33	16 21			n.a.
W 4	23 21	23 5	5 6	24 53	1 15	22 51	1 28	22 27	1 7	22 8	0 47	20 29	1 18	8 1	0 29	16 2	1 41	15 58	17 14	13 3	12 34	16 24			n.a.
T 5	23 16	25 59	5 5	25 2	1 20	22 37	1 29	22 18	1 7	22 6	0 47	20 27	1 18	8 1	0 29	16 2	1 41	15 59	17 14	13 6	12 35	16 26			n.a.
F 6	23 11	27 42	4 50	25 8	1 25	22 23	1 30	22 9	1 7	22 3	0 47	20 25	1 18	8 1	0 29	16 2	1 41	15 59	17 15	13 8	12 37	16 29			n.a.
S 7	23 5	28 3	4 21	25 14	1 30	22 8	1 30	21 59	1 7	22 1	0 47	20 23	1 18	8 1	0 29	16 2	1 41	16 0	17 15	13 11	12 38	16 32			n.a.
S 8	22 59	26 56	3 38	25 17	1 34	21 53	1 30	21 49	1 7	21 58	0 47	20 22	1 18	8 1	0 29	16 2	1 41	16 0	17 16	13 14	12 39	16 35			n.a.
M 9	22 52	24 20	2 43	25 20	1 39	21 37	1 31	21 39	1 7	21 55	0 47	20 20	1 18	8 1	0 29	16 1	1 41	16 1	17 17	13 16	12 40	16 37			n.a.
T 10	22 45	20 25	1 39	25 20	1 42	21 20	1 31	21 29	1 6	21 53	0 47	20 18	1 18	8 1	0 29	16 1	1 41	16 1	17 17	13 17	12 41	16 40			n.a.
W11	22 38	15 24	0 28	25 20	1 46	21 2	1 31	21 19	1 6	21 50	0 47	20 16	1 18	8 1	0 29	16 1	1 41	16 2	17 18	13 17	12 42	16 43			n.a.
T 12	22 30	9 35	0s46	25 17	1 49	20 44	1 31	21 8	1 6	21 47	0 47	20 15	1 18	8 2	0 29	16 1	1 41	16 2	17 18	13 17	12 43	16 46			n.a.
F 13	22 21	3 14	1 58	25 13	1 52	20 26	1 31	20 57	1 6	21 44	0 47	20 13	1 19	8 2	0 29	16 1	1 41	16 3	17 19	13 17	12 44	16 48			n.a.
S 14	22 13	3s19	3 4	25 7	1 55	20 7	1 31	20 46	1 6	21 42	0 47	20 11	1 19	8 2	0 29	16 1	1 41	16 4	17 19	13 16	12 45	16 51			n.a.
S 15	22 3	9 46	4 0	25 0	1 57	19 47	1 31	20 35	1 6	21 39	0 47	20 9	1 19	8 2	0 29	16 1	1 41	16 4	17 20	13 16	12 46	16 54			n.a.
M16	21 54	15 47	4 41	24 51	1 59	19 26	1 31	20 23	1 5	21 36	0 47	20 7	1 19	8 3	0 29	16 0	1 41	16 5	17 20	13 16	12 47	16 56			n.a.
T 17	21 44	20 59	5 6	24 40	2 0	19 5	1 31	20 11	1 5	21 33	0 47	20 6	1 19	8 3	0 29	16 0	1 41	16 6	17 21	13 17	12 49	16 59			n.a.
W18	21 33	25 0	5 12	24 27	2 1	18 44	1 30	19 59	1 5	21 30	0 47	20 4	1 19	8 3	0 29	16 0	1 40	16 6	17 22	13 18	12 50	17 2			n.a.
T 19	21 22	27 28	4 58	24 12	2 2	18 22	1 30	19 47	1 5	21 27	0 48	20 2	1 19	8 4	0 29	16 0	1 40	16 7	17 22	13 19	12 51	17 5			n.a.
F 20	21 11	28 7	4 27	23 55	2 2	18 0	1 30	19 35	1 5	21 24	0 48	20 0	1 19	8 4	0 29	16 0	1 40	16 8	17 23	13 21	12 52	17 7			n.a.
S 21	20 59	26 56	3 39	23 37	2 2	17 37	1 29	19 22	1 4	21 21	0 48	19 58	1 19	8 4	0 29	16 0	1 40	16 8	17 23	13 22	12 53	17 10			n.a.
S 22	20 47	24 7	2 39	23 16	2 1	17 13	1 29	19 9	1 4	21 18	0 48	19 56	1 19	8 5	0 29	16 0	1 40	16 9	17 24	13 23	12 54	17 13			n.a.
M23	20 35	19 59	1 31	22 54	2 0	16 49	1 28	18 56	1 4	21 15	0 48	19 55	1 19	8 5	0 29	16 0	1 40	16 10	17 24	13 24	12 55	17 15			n.a.
T 24	20 22	14 57	0 20	22 30	1 58	16 25	1 27	18 43	1 4	21 12	0 48	19 53	1 19	8 6	0 29	16 0	1 40	16 10	17 25	13 24	12 56	17 18			n.a.
W25	20 9	9 22	0n50	22 3	1 56	16 0	1 26	18 30	1 4	21 9	0 48	19 51	1 19	8 6	0 29	16 0	1 40	16 11	17 25	13 24	12 57	17 21			n.a.
T 26	19 55	3 33	1 57	21 35	1 53	15 35	1 26	18 16	1 3	21 6	0 48	19 49	1 19	8 6	0 29	16 0	1 40	16 12	17 26	13 24	12 58	17 23			n.a.
F 27	19 41	2n15	2 57	21 5	1 50	15 9	1 25	18 3	1 3	21 3	0 48	19 47	1 19	8 7	0 29	16 0	1 40	16 12	17 26	13 23	12 59	17 26			n.a.
S 28	19 27	7 53	3 48	20 33	1 46	14 43	1 24	17 49	1 3	21 0	0 48	19 45	1 19	8 7	0 29	16 0	1 40	16 13	17 27	13 23	13 1	17 29			n.a.
S 29	19 12	13 9	4 28	19 59	1 41	14 17	1 23	17 35	1 2	20 57	0 48	19 43	1 19	8 8	0 29	16 0	1 40	16 14	17 27	13 22	13 2	17 31			n.a.
M30	18 57	17 55	4 56	19 23	1 36	13 50	1 21	17 20	1 2	20 54	0 48	19 41	1 19	8 8	0 28	16 0	1 40	16 15	17 28	13 22	13 3	17 34			n.a.
T 31	18s42	22n 0	5n12	18s45	1s30	13s23	1s20	17s 6	1s 2	20s51	0s49	19s40	1s19	8n 9	0s28	16n 0	1s40	16n16	17n28	13s22	13s 4	17n37			n.a.

Julian Day Number = 1631936.5, Delta T = 03h41m23s
Ecliptic obliquity = 23°43'37, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'09, Lahiri = - 7°20'08 Julian Calendar 1 Jan. 245 BCE == Greg. Calendar 28 Dec. 246 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

FEBRUARY 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 25 28	8♒ 9'42	28♉39	14♒16	29♒45	17♒10	1♒46	8♒31	21♈49	18°R42	29°R13	24°R54	25♒46	4♉26	n.a.	W 1
T 2	8 29 25	9° 9'46	10♊48	16°12	1♓ 0	17°57	2° 1	8°38	21°50	18°D42	29♏12	24♒52	25°43	4°33	n.a.	T 2
F 3	8 33 21	10° 9'49	23° 9	18° 8	2°14	18°43	2°15	8°46	21°52	18♉42	29°11	24°50	25°40	4°39	n.a.	F 3
S 4	8 37 18	11° 9'49	5♋48	20° 3	3°28	19°30	2°29	8°53	21°53	18°42	29°10	24°48	25°37	4°46	n.a.	S 4
S 5	8 41 14	12° 9'47	18°45	21°59	4°42	20°16	2°44	9° 0	21°55	18°42	29° 9	24°46	25°33	4°53	n.a.	S 5
M 6	8 45 11	13° 9'42	2♌ 0	23°53	5°56	21° 3	2°58	9° 8	21°57	18°43	29° 8	24°45	25°30	5° 0	n.a.	M 6
T 7	8 49 7	14° 9'36	15°34	25°47	7°10	21°49	3°12	9°15	21°58	18°43	29° 7	24°44	25°27	5° 6	n.a.	T 7
W 8	8 53 4	15° 9'27	29°24	27°39	8°24	22°36	3°27	9°22	22° 0	18°43	29° 6	24°D44	25°24	5°13	n.a.	W 8
T 9	8 57 1	16° 9'17	13♍26	29°29	9°38	23°22	3°41	9°30	22° 2	18°43	29° 5	24°44	25°21	5°20	n.a.	T 9
F 10	9 0 57	17° 9'04	27°38	1♐17	10°52	24° 9	3°55	9°37	22° 4	18°43	29° 4	24°45	25°18	5°26	n.a.	F 10
S 11	9 4 54	18° 8'50	11♎55	3° 3	12° 6	24°55	4° 9	9°44	22° 6	18°44	29° 3	24°46	25°14	5°33	n.a.	S 11
S 12	9 8 50	19° 8'34	26°13	4°45	13°19	25°41	4°24	9°52	22° 8	18°44	29° 2	24°46	25°11	5°40	n.a.	S 12
M13	9 12 47	20° 8'16	10♏30	6°24	14°33	26°28	4°38	9°59	22°10	18°44	29° 0	24°46	25° 8	5°47	n.a.	M13
T 14	9 16 43	21° 7'56	24°42	7°58	15°47	27°14	4°52	10° 6	22°12	18°45	28°59	24°R46	25° 5	5°53	n.a.	T 14
W15	9 20 40	22° 7'35	8♐47	9°28	17° 1	28° 0	5° 6	10°14	22°14	18°45	28°58	24°46	25° 2	6° 0	n.a.	W15
T 16	9 24 36	23° 7'11	22°44	10°53	18°14	28°46	5°20	10°21	22°16	18°46	28°57	24°46	24°59	6° 7	n.a.	T 16
F 17	9 28 33	24° 6'46	6♑30	12°13	19°28	29°32	5°34	10°28	22°18	18°46	28°55	24°46	24°55	6°13	n.a.	F 17
S 18	9 32 30	25° 6'19	20° 4	13°26	20°41	0♓19	5°48	10°35	22°20	18°47	28°54	24°D46	24°52	6°20	n.a.	S 18
S 19	9 36 26	26° 5'50	3♒26	14°33	21°55	1° 5	6° 2	10°43	22°22	18°47	28°53	24°46	24°49	6°27	n.a.	S 19
M20	9 40 23	27° 5'19	16°35	15°34	23° 8	1°51	6°16	10°50	22°25	18°48	28°51	24°46	24°46	6°34	n.a.	M20
T 21	9 44 19	28° 4'46	29°29	16°27	24°22	2°37	6°30	10°57	22°27	18°48	28°50	24°R46	24°43	6°40	n.a.	T 21
W22	9 48 16	29° 4'10	12♓ 9	17°13	25°35	3°22	6°44	11° 4	22°29	18°49	28°49	24°46	24°39	6°47	n.a.	W22
T 23	9 52 12	0♓ 3'33	24°35	17°52	26°49	4° 8	6°58	11°11	22°32	18°50	28°47	24°46	24°36	6°54	n.a.	T 23
F 24	9 56 9	1° 2'53	6♈49	18°23	28° 2	4°54	7°12	11°18	22°34	18°50	28°46	24°45	24°33	7° 0	n.a.	F 24
S 25	10 0 5	2° 2'11	18°52	18°47	29°15	5°40	7°26	11°26	22°37	18°51	28°44	24°44	24°30	7° 7	n.a.	S 25
S 26	10 4 2	3° 1'26	0♉49	19° 2	0♈28	6°26	7°39	11°33	22°39	18°52	28°43	24°43	24°27	7°14	n.a.	S 26
M27	10 7 58	4° 0'39	12°41	19°11	1°41	7°11	7°53	11°40	22°42	18°53	28°41	24°42	24°24	7°21	n.a.	M27
T 28	10 11 55	4°59'50	24°34	19°R12	2°55	7°57	8° 7	11°47	22°44	18°54	28°40	24°41	24°20	7°27	n.a.	T 28
W29	10 15 52	5♓58'58	6♊31	19♓ 5	4♈ 8	8♓43	8♒20	11♒54	22♈47	18♉55	28♏38	24°D41	24♒17	7♉34	n.a.	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s27	25n13	5n15	18s 5	1s24	12s55	1s19	16s51	1s 2	20s48	0s49	19s38	1s19	8n10	0s28	16n 0	1s40	16n16	17n29	13s23	13s 5	17n39		n.a.
T 2	18 11	27 20	5 3	17 24	1 17	12 28	1 18	16 37	1 1	20 44	0 49	19 36	1 19	8 10	0 28	16 0	1 40	16 17	17 29	13 23	13 6	17 42		n.a.
F 3	17 55	28 10	4 38	16 41	1 9	11 59	1 16	16 22	1 1	20 41	0 49	19 34	1 19	8 11	0 28	16 0	1 39	16 18	17 30	13 24	13 7	17 44		n.a.
S 4	17 38	27 34	3 59	15 56	1 1	11 31	1 15	16 7	1 1	20 38	0 49	19 32	1 20	8 11	0 28	16 0	1 39	16 19	17 30	13 25	13 8	17 47		n.a.
S 5	17 21	25 28	3 6	15 10	0 52	11 2	1 13	15 51	1 1	20 35	0 49	19 30	1 20	8 12	0 28	16 0	1 39	16 19	17 30	13 25	13 9	17 50		n.a.
M 6	17 4	21 56	2 2	14 23	0 43	10 33	1 12	15 36	1 0	20 32	0 49	19 28	1 20	8 13	0 28	16 0	1 39	16 20	17 31	13 26	13 10	17 52		n.a.
T 7	16 47	17 10	0 51	13 35	0 32	10 4	1 10	15 21	1 0	20 28	0 49	19 26	1 20	8 13	0 28	16 1	1 39	16 21	17 31	13 26	13 11	17 55		n.a.
W 8	16 29	11 25	0s26	12 46	0 22	9 35	1 9	15 5	1 0	20 25	0 49	19 24	1 20	8 14	0 28	16 1	1 39	16 22	17 32	13 26	13 12	17 57		n.a.
T 9	16 11	5 1	1 42	11 57	0 10	9 5	1 7	14 49	0 59	20 22	0 49	19 22	1 20	8 15	0 28	16 1	1 39	16 23	17 32	13 26	13 14	18 0		n.a.
F 10	15 53	1s41	2 52	11 7	0n 2	8 35	1 5	14 33	0 59	20 18	0 50	19 20	1 20	8 16	0 28	16 1	1 39	16 23	17 33	13 26	13 15	18 3		n.a.
S 11	15 34	8 20	3 53	10 17	0 14	8 5	1 3	14 17	0 59	20 15	0 50	19 18	1 20	8 16	0 28	16 1	1 39	16 24	17 33	13 26	13 16	18 5		n.a.
S 12	15 16	14 33	4 39	9 28	0 27	7 34	1 1	14 1	0 58	20 12	0 50	19 17	1 20	8 17	0 28	16 1	1 39	16 25	17 33	13 25	13 17	18 8		n.a.
M13	14 57	20 0	5 7	8 39	0 40	7 4	0 59	13 45	0 58	20 8	0 50	19 15	1 20	8 18	0 28	16 1	1 39	16 26	17 34	13 25	13 18	18 10		n.a.
T 14	14 38	24 17	5 17	7 51	0 53	6 33	0 57	13 29	0 58	20 5	0 50	19 13	1 20	8 19	0 28	16 2	1 39	16 27	17 34	13 25	13 19	18 13		n.a.
W15	14 18	27 5	5 8	7 5	1 7	6 2	0 55	13 12	0 57	20 2	0 50	19 11	1 20	8 19	0 28	16 2	1 39	16 28	17 34	13 25	13 20	18 16		n.a.
T 16	13 58	28 11	4 40	6 20	1 20	5 31	0 53	12 56	0 57	19 58	0 50	19 9	1 21	8 20	0 28	16 2	1 39	16 28	17 35	13 25	13 21	18 18		n.a.
F 17	13 39	27 30	3 57	5 37	1 34	5 0	0 51	12 39	0 56	19 55	0 50	19 7	1 21	8 21	0 28	16 2	1 39	16 29	17 35	13 25	13 22	18 21		n.a.
S 18	13 18	25 11	3 1	4 57	1 47	4 28	0 48	12 22	0 56	19 52	0 50	19 5	1 21	8 22	0 28	16 2	1 39	16 30	17 35	13 25	13 23	18 23		n.a.
S 19	12 58	21 29	1 56	4 18	2 0	3 57	0 46	12 5	0 56	19 48	0 51	19 3	1 21	8 23	0 28	16 3	1 38	16 31	17 36	13 25	13 24	18 26		n.a.
M20	12 38	16 47	0 45	3 43	2 13	3 25	0 44	11 48	0 55	19 45	0 51	19 1	1 21	8 24	0 28	16 3	1 38	16 32	17 36	13 25	13 25	18 28		n.a.
T 21	12 17	11 23	0n26	3 11	2 25	2 54	0 41	11 31	0 55	19 41	0 51	18 59	1 21	8 25	0 28	16 3	1 38	16 33	17 36	13 25	13 26	18 31		n.a.
W22	11 56	5 38	1 35	2 42	2 37	2 22	0 39	11 14	0 55	19 38	0 51	18 57	1 21	8 25	0 28	16 3	1 38	16 33	17 37	13 25	13 28	18 33		n.a.
T 23	11 35	0n14	2 38	2 17	2 48	1 50	0 36	10 57	0 54	19 35	0 51	18 56	1 21	8 26	0 28	16 4	1 38	16 34	17 37	13 26	13 29	18 36		n.a.
F 24	11 14	5 59	3 32	1 56	2 58	1 19	0 34	10 39	0 54	19 31	0 51	18 54	1 21	8 27	0 28	16 4	1 38	16 35	17 37	13 26	13 30	18 38		n.a.
S 25	10 53	11 26	4 17	1 38	3 7	0 47	0 31	10 22	0 53	19 28	0 51	18 52	1 21	8 28	0 28	16 4	1 38	16 36	17 38	13 26	13 31	18 41		n.a.
S 26	10 31	16 24	4 49	1 25	3 15	0 15	0 29	10 5	0 53	19 24	0 51	18 50	1 22	8 29	0 28	16 4	1 38	16 37	17 38	13 26	13 32	18 43		n.a.
M27	10 9	20 44	5 9	1 15	3 21	0n17	0 26	9 47	0 52	19 21	0 52	18 48	1 22	8 30	0 28	16 5	1 38	16 38	17 38	13 27	13 33	18 46		n.a.
T 28	9 48	24 15	5 16	1 10	3 27	0 49	0 23	9 29	0 52	19 17	0 52	18 46	1 22	8 31	0 28	16 5	1 38	16 38	17 38	13 27	13 34	18 48		n.a.
W29	9s26	26n44	5n10	1s 9	3n31	1n21	0s21	9s12	0s52	19s14	0s52	18s44	1s22	8n32	0s28	16n 5	1s38	16n39	17n39	13s27	13s35	18n51		n.a.

Julian Day Number = 1631967.5, Delta T = 03h41m22s
Ecliptic obliquity = 23°43'37, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'05, Lahiri = - 7°20'04 Julian Calendar 1 Feb. 245 BCE == Greg. Calendar 28 Jan. 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

MARCH 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 19 48	6♓58'04	18♊38	18°R52	5♈21	9♓28	8♒34	12♒ 1	22♈49	18♉56	28°R37	24♒41	24♒14	7♉41	n.a.	T 1
F 2	10 23 45	7°57'08	0♋59	18♓32	6°33	10°14	8°47	12° 8	22°52	18°56	28♍35	24°42	24°11	7°48	n.a.	F 2
S 3	10 27 41	8°56'09	13°37	18° 6	7°46	10°59	9° 1	12°14	22°55	18°57	28°34	24°43	24° 8	7°54	n.a.	S 3
S 4	10 31 38	9°55'07	26°37	17°35	8°59	11°45	9°14	12°21	22°57	18°58	28°32	24°44	24° 5	8° 1	n.a.	S 4
M 5	10 35 34	10°54'04	10♌ 1	16°59	10°12	12°30	9°28	12°28	23° 0	18°59	28°31	24°45	24° 1	8° 8	n.a.	M 5
T 6	10 39 31	11°52'58	23°48	16°19	11°25	13°15	9°41	12°35	23° 3	19° 1	28°29	24°R46	23°58	8°14	n.a.	T 6
W 7	10 43 27	12°51'50	7♍57	15°36	12°37	14° 1	9°54	12°42	23° 6	19° 2	28°27	24°46	23°55	8°21	n.a.	W 7
T 8	10 47 24	13°50'39	22°25	14°51	13°50	14°46	10° 7	12°48	23° 9	19° 3	28°26	24°44	23°52	8°28	n.a.	T 8
F 9	10 51 21	14°49'27	7♎ 5	14° 5	15° 2	15°31	10°21	12°55	23°11	19° 4	28°24	24°42	23°49	8°35	n.a.	F 9
S 10	10 55 17	15°48'13	21°50	13°18	16°15	16°16	10°34	13° 2	23°14	19° 5	28°22	24°39	23°45	8°41	n.a.	S 10
S 11	10 59 14	16°46'56	6♏34	12°32	17°27	17° 1	10°47	13° 8	23°17	19° 6	28°21	24°36	23°42	8°48	n.a.	S 11
M12	11 3 10	17°45'38	21° 9	11°47	18°39	17°46	11° 0	13°15	23°20	19° 8	28°19	24°34	23°39	8°55	n.a.	M12
T 13	11 7 7	18°44'19	5♐31	11° 4	19°52	18°31	11°12	13°21	23°23	19° 9	28°18	24°32	23°36	9° 1	n.a.	T 13
W14	11 11 3	19°42'57	19°37	10°24	21° 4	19°16	11°25	13°28	23°26	19°10	28°16	24°D32	23°33	9° 8	n.a.	W14
T 15	11 15 0	20°41'34	3♑25	9°48	22°16	20° 1	11°38	13°34	23°29	19°11	28°14	24°32	23°30	9°15	n.a.	T 15
F 16	11 18 56	21°40'09	16°55	9°15	23°28	20°46	11°51	13°41	23°32	19°13	28°13	24°34	23°26	9°22	n.a.	F 16
S 17	11 22 53	22°38'42	0♒ 9	8°47	24°40	21°31	12° 3	13°47	23°35	19°14	28°11	24°35	23°23	9°28	n.a.	S 17
S 18	11 26 50	23°37'14	13° 8	8°23	25°52	22°16	12°16	13°53	23°39	19°16	28° 9	24°37	23°20	9°35	n.a.	S 18
M19	11 30 46	24°35'43	25°54	8° 5	27° 4	23° 0	12°29	13°59	23°42	19°17	28° 7	24°R37	23°17	9°42	n.a.	M19
T 20	11 34 43	25°34'11	8♓27	7°51	28°16	23°45	12°41	14° 6	23°45	19°19	28° 6	24°36	23°14	9°48	n.a.	T 20
W21	11 38 39	26°32'37	20°51	7°42	29°27	24°30	12°53	14°12	23°48	19°20	28° 4	24°34	23°11	9°55	n.a.	W21
T 22	11 42 36	27°31'01	3♈ 5	7°D39	0♉39	25°14	13° 6	14°18	23°51	19°22	28° 2	24°30	23° 7	10° 2	n.a.	T 22
F 23	11 46 32	28°29'22	15°10	7°40	1°51	25°59	13°18	14°24	23°54	19°23	28° 1	24°24	23° 4	10° 9	n.a.	F 23
S 24	11 50 29	29°27'42	27°10	7°47	3° 2	26°43	13°30	14°30	23°58	19°25	27°59	24°18	23° 1	10°15	n.a.	S 24
S 25	11 54 25	0♈26'00	9♉ 4	7°58	4°14	27°28	13°42	14°36	24° 1	19°26	27°57	24°11	22°58	10°22	n.a.	S 25
M26	11 58 22	1°24'16	20°56	8°14	5°25	28°12	13°54	14°41	24° 4	19°28	27°56	24° 5	22°55	10°29	n.a.	M26
T 27	12 2 18	2°22'30	2♊48	8°35	6°36	28°56	14° 6	14°47	24° 7	19°29	27°54	24° 0	22°51	10°36	n.a.	T 27
W28	12 6 15	3°20'42	14°44	9° 0	7°48	29°40	14°18	14°53	24°11	19°31	27°52	23°57	22°48	10°42	n.a.	W28
T 29	12 10 12	4°18'51	26°48	9°29	8°59	0♈25	14°29	14°59	24°14	19°33	27°51	23°55	22°45	10°49	n.a.	T 29
F 30	12 14 8	5°16'59	9♋ 6	10° 3	10°10	1° 9	14°41	15° 4	24°17	19°34	27°49	23°D55	22°42	10°56	n.a.	F 30
S 31	12 18 5	6♈15'05	21♋40	10♓40	11♉21	1♈53	14♒53	15♒10	24♈21	19♉36	27♍47	23♒56	22♒39	11♉ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9s 3	28n 2	4n49	1s11	3n33	1n53	0s18	8s54	0s51	19s10	0s52	18s42	1s22	8n33	0s28	16n 6	1s38	16n40	17n39	13s27	13s36	18n53			n.a.
F 2	8 41	27 59	4 15	1 18	3 34	2 24	0 15	8 36	0 51	19 7	0 52	18 41	1 22	8 34	0 28	16 6	1 38	16 41	17 39	13 27	13 37	18 56			n.a.
S 3	8 19	26 28	3 28	1 29	3 34	2 56	0 12	8 18	0 50	19 4	0 52	18 39	1 22	8 35	0 28	16 6	1 38	16 42	17 39	13 26	13 38	18 58			n.a.
S 4	7 56	23 31	2 29	1 44	3 31	3 28	0 9	8 0	0 50	19 0	0 52	18 37	1 22	8 36	0 28	16 6	1 38	16 42	17 39	13 26	13 39	19 1			n.a.
M 5	7 34	19 15	1 21	2 2	3 27	3 59	0 6	7 43	0 49	18 57	0 53	18 35	1 22	8 37	0 28	16 7	1 38	16 43	17 40	13 26	13 40	19 3			n.a.
T 6	7 11	13 50	0 5	2 22	3 21	4 31	0 3	7 25	0 49	18 53	0 53	18 33	1 23	8 38	0 27	16 7	1 37	16 44	17 40	13 25	13 41	19 6			n.a.
W 7	6 49	7 34	1s12	2 46	3 14	5 2	0 1	7 6	0 49	18 50	0 53	18 31	1 23	8 39	0 27	16 8	1 37	16 45	17 40	13 26	13 43	19 8			n.a.
T 8	6 26	0 48	2 27	3 12	3 5	5 33	0n 2	6 48	0 48	18 46	0 53	18 30	1 23	8 41	0 27	16 8	1 37	16 46	17 40	13 26	13 44	19 11			n.a.
F 9	6 3	6s 5	3 32	3 39	2 55	6 5	0 5	6 30	0 48	18 43	0 53	18 28	1 23	8 42	0 27	16 8	1 37	16 46	17 40	13 27	13 45	19 13			n.a.
S 10	5 40	12 41	4 24	4 8	2 43	6 36	0 8	6 12	0 47	18 39	0 53	18 26	1 23	8 43	0 27	16 9	1 37	16 47	17 40	13 28	13 46	19 16			n.a.
S 11	5 17	18 34	4 59	4 38	2 30	7 6	0 11	5 54	0 47	18 36	0 54	18 24	1 23	8 44	0 27	16 9	1 37	16 48	17 41	13 29	13 47	19 18			n.a.
M12	4 54	23 18	5 14	5 8	2 16	7 37	0 15	5 36	0 46	18 32	0 54	18 22	1 23	8 45	0 27	16 9	1 37	16 49	17 41	13 29	13 48	19 21			n.a.
T 13	4 30	26 32	5 9	5 38	2 1	8 8	0 18	5 18	0 46	18 29	0 54	18 21	1 24	8 46	0 27	16 10	1 37	16 49	17 41	13 30	13 49	19 23			n.a.
W14	4 7	28 3	4 45	6 7	1 46	8 38	0 21	4 59	0 45	18 26	0 54	18 19	1 24	8 47	0 27	16 10	1 37	16 50	17 41	13 30	13 50	19 25			n.a.
T 15	3 44	27 46	4 5	6 36	1 30	9 8	0 24	4 41	0 45	18 22	0 54	18 17	1 24	8 48	0 27	16 11	1 37	16 51	17 41	13 30	13 51	19 28			n.a.
F 16	3 21	25 49	3 12	7 3	1 14	9 38	0 27	4 23	0 44	18 19	0 54	18 15	1 24	8 50	0 27	16 11	1 37	16 52	17 41	13 30	13 52	19 30			n.a.
S 17	2 57	22 29	2 10	7 29	0 58	10 8	0 30	4 4	0 44	18 15	0 55	18 14	1 24	8 51	0 27	16 12	1 37	16 52	17 41	13 29	13 53	19 33			n.a.
S 18	2 34	18 4	1 3	7 52	0 42	10 37	0 33	3 46	0 43	18 12	0 55	18 12	1 24	8 52	0 27	16 12	1 37	16 53	17 41	13 29	13 54	19 35			n.a.
M19	2 10	12 56	0n 7	8 14	0 26	11 7	0 36	3 28	0 43	18 9	0 55	18 10	1 24	8 53	0 27	16 12	1 37	16 54	17 41	13 28	13 55	19 37			n.a.
T 20	1 47	7 20	1 15	8 34	0 10	11 36	0 39	3 9	0 42	18 5	0 55	18 9	1 25	8 54	0 27	16 13	1 37	16 55	17 41	13 29	13 56	19 40			n.a.
W21	1 23	1 33	2 18	8 51	0s 5	12 4	0 42	2 51	0 42	18 2	0 55	18 7	1 25	8 55	0 27	16 13	1 37	16 55	17 41	13 30	13 57	19 42			n.a.
T 22	1 0	4n12	3 14	9 7	0 20	12 33	0 45	2 33	0 41	17 58	0 55	18 5	1 25	8 57	0 27	16 14	1 37	16 56	17 41	13 31	13 58	19 45			n.a.
F 23	0 36	9 44	4 1	9 19	0 34	13 1	0 49	2 14	0 41	17 55	0 56	18 4	1 25	8 58	0 27	16 14	1 37	16 57	17 41	13 33	13 59	19 47			n.a.
S 24	0 13	14 52	4 36	9 29	0 48	13 29	0 52	1 56	0 40	17 52	0 56	18 2	1 25	8 59	0 27	16 15	1 37	16 57	17 41	13 35	14 1	19 49			n.a.
S 25	0n10	19 24	4 59	9 37	1 1	13 56	0 55	1 38	0 40	17 48	0 56	18 1	1 25	9 0	0 27	16 15	1 36	16 58	17 41	13 37	14 2	19 52			n.a.
M26	0 34	23 10	5 10	9 43	1 13	14 23	0 58	1 19	0 39	17 45	0 56	17 59	1 26	9 2	0 27	16 16	1 36	16 59	17 41	13 39	14 3	19 54			n.a.
T 27	0 57	25 58	5 6	9 46	1 25	14 50	1 1	1 1	0 39	17 42	0 56	17 57	1 26	9 3	0 27	16 16	1 36	16 59	17 41	13 41	14 4	19 56			n.a.
W28	1 21	27 39	4 50	9 46	1 36	15 17	1 4	0 43	0 38	17 38	0 57	17 56	1 26	9 4	0 27	16 17	1 36	17 0	17 41	13 42	14 5	19 59			n.a.
T 29	1 44	28 2	4 21	9 44	1 46	15 43	1 7	0 24	0 38	17 35	0 57	17 54	1 26	9 5	0 27	16 17	1 36	17 0	17 41	13 43	14 6	20 1			n.a.
F 30	2 7	27 3	3 39	9 40	1 56	16 9	1 10	0 6	0 37	17 32	0 57	17 53	1 26	9 7	0 27	16 18	1 36	17 1	17 41	13 43	14 7	20 3			n.a.
S 31	2n31	24n41	2n46	9s34	2s 4	16n34	1n13	0n12	0s36	17s29	0s57	17s51	1s26	9n 8	0s27	16n18	1s36	17n 2	17n41	13s42	14s 8	20n 6			n.a.

Julian Day Number = 1631996.5, Delta T = 03h41m21s
Ecliptic obliquity = 23°43'37, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°27'01, Lahiri = - 7°20'00 Julian Calendar 1 March 245 BCE == Greg. Calendar 26 Feb. 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

APRIL 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 22 1	7♈13'08	4♌37	11♓21	12♉32	2♈37	15♒ 4	15♒15	24♈24	19♉38	27°R46	23♒57	22♒36	11♉ 9	n.a.	S 1
M 2	12 25 58	8°11'09	17°59	12° 6	13°43	3°21	15°15	15°21	24°27	19°40	27♍44	23°R58	22°32	11°16	n.a.	M 2
T 3	12 29 54	9° 9'09	1♍48	12°55	14°53	4° 5	15°27	15°26	24°31	19°41	27°42	23°58	22°29	11°23	n.a.	T 3
W 4	12 33 51	10° 7'06	16° 5	13°47	16° 4	4°49	15°38	15°31	24°34	19°43	27°41	23°56	22°26	11°29	n.a.	W 4
T 5	12 37 47	11° 5'02	0♎46	14°42	17°14	5°32	15°49	15°37	24°38	19°45	27°39	23°52	22°23	11°36	n.a.	T 5
F 6	12 41 44	12° 2'56	15°45	15°40	18°25	6°16	16° 0	15°42	24°41	19°47	27°37	23°46	22°20	11°43	n.a.	F 6
S 7	12 45 41	13° 0'48	0♏54	16°41	19°35	7° 0	16°11	15°47	24°44	19°49	27°36	23°39	22°16	11°49	n.a.	S 7
S 8	12 49 37	13°58'39	16° 1	17°45	20°46	7°44	16°22	15°52	24°48	19°51	27°34	23°32	22°13	11°56	n.a.	S 8
M 9	12 53 34	14°56'28	0♐58	18°52	21°56	8°27	16°32	15°57	24°51	19°53	27°32	23°25	22°10	12° 3	n.a.	M 9
T 10	12 57 30	15°54'16	15°36	20° 1	23° 6	9°11	16°43	16° 2	24°55	19°54	27°31	23°20	22° 7	12°10	n.a.	T 10
W11	13 1 27	16°52'03	29°52	21°13	24°16	9°54	16°53	16° 7	24°58	19°56	27°29	23°16	22° 4	12°16	n.a.	W11
T 12	13 5 23	17°49'48	13♑42	22°28	25°26	10°38	17° 4	16°12	25° 2	19°58	27°28	23°D15	22° 1	12°23	n.a.	T 12
F 13	13 9 20	18°47'33	27° 8	23°45	26°36	11°21	17°14	16°16	25° 5	20° 0	27°26	23°15	21°57	12°30	n.a.	F 13
S 14	13 13 16	19°45'16	10♒12	25° 5	27°45	12° 4	17°24	16°21	25° 9	20° 2	27°25	23°16	21°54	12°37	n.a.	S 14
S 15	13 17 13	20°42'58	22°58	26°27	28°55	12°48	17°34	16°25	25°12	20° 4	27°23	23°R17	21°51	12°43	n.a.	S 15
M16	13 21 10	21°40'38	5♓29	27°52	0♊ 4	13°31	17°44	16°30	25°15	20° 6	27°22	23°16	21°48	12°50	n.a.	M16
T 17	13 25 6	22°38'18	17°48	29°19	1°14	14°14	17°54	16°34	25°19	20° 8	27°20	23°13	21°45	12°57	n.a.	T 17
W18	13 29 3	23°35'56	29°57	0♈48	2°23	14°57	18° 4	16°39	25°22	20°10	27°19	23° 8	21°42	13° 3	n.a.	W18
T 19	13 32 59	24°33'33	12♈ 0	2°19	3°32	15°40	18°13	16°43	25°26	20°12	27°17	23° 0	21°38	13°10	n.a.	T 19
F 20	13 36 56	25°31'08	23°58	3°53	4°41	16°23	18°23	16°47	25°29	20°14	27°16	22°50	21°35	13°17	n.a.	F 20
S 21	13 40 52	26°28'43	5♉52	5°29	5°50	17° 6	18°32	16°51	25°33	20°16	27°14	22°38	21°32	13°24	n.a.	S 21
S 22	13 44 49	27°26'16	17°45	7° 7	6°59	17°49	18°41	16°55	25°36	20°19	27°13	22°26	21°29	13°30	n.a.	S 22
M23	13 48 45	28°23'48	29°36	8°48	8° 8	18°32	18°51	16°59	25°40	20°21	27°11	22°14	21°26	13°37	n.a.	M23
T 24	13 52 42	29°21'18	11♊29	10°30	9°17	19°15	19° 0	17° 3	25°43	20°23	27°10	22° 4	21°22	13°44	n.a.	T 24
W25	13 56 39	0♉18'47	23°27	12°15	10°25	19°58	19° 8	17° 6	25°47	20°25	27° 9	21°56	21°19	13°50	n.a.	W25
T 26	14 0 35	1°16'15	5♋31	14° 2	11°33	20°40	19°17	17°10	25°50	20°27	27° 7	21°51	21°16	13°57	n.a.	T 26
F 27	14 4 32	2°13'41	17°47	15°52	12°42	21°23	19°26	17°14	25°54	20°29	27° 6	21°48	21°13	14° 4	n.a.	F 27
S 28	14 8 28	3°11'06	0♌19	17°43	13°50	22° 6	19°34	17°17	25°57	20°31	27° 5	21°D47	21°10	14°11	n.a.	S 28
S 29	14 12 25	4° 8'30	13°10	19°37	14°58	22°48	19°43	17°21	26° 1	20°33	27° 4	21°47	21° 7	14°17	n.a.	S 29
M30	14 16 21	5♉ 5'52	26♌26	21♈33	16♊ 6	23♈31	19♒51	17♒24	26♈ 4	20♉36	27♍ 2	21°R47	21♒ 3	14♉24	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n54	21n 0	1n43	9s25	2s12	16n59	1n16	0n30	0s36	17s25	0s57	17s50	1s27	9n 9	0s27	16n19	1s36	17n 2	17n41	13s42	14s 9	20n 8		n.a.
M 2	3 17	16 8	0 32	9 15	2 20	17 24	1 19	0 48	0 35	17 22	0 58	17 48	1 27	9 10	0 27	16 19	1 36	17 3	17 41	13 42	14 10	20 10		n.a.
T 3	3 40	10 18	0s42	9 2	2 26	17 48	1 22	1 6	0 35	17 19	0 58	17 47	1 27	9 12	0 27	16 20	1 36	17 3	17 40	13 42	14 11	20 13		n.a.
W 4	4 3	3 46	1 57	8 47	2 32	18 11	1 24	1 25	0 34	17 16	0 58	17 45	1 27	9 13	0 27	16 20	1 36	17 4	17 40	13 42	14 12	20 15		n.a.
T 5	4 26	3s 8	3 5	8 30	2 37	18 35	1 27	1 43	0 34	17 13	0 58	17 44	1 27	9 14	0 27	16 21	1 36	17 4	17 40	13 44	14 13	20 17		n.a.
F 6	4 49	9 59	4 2	8 12	2 42	18 57	1 30	2 1	0 33	17 10	0 58	17 43	1 27	9 15	0 27	16 21	1 36	17 5	17 40	13 45	14 14	20 20		n.a.
S 7	5 12	16 20	4 43	7 51	2 45	19 20	1 33	2 19	0 33	17 7	0 59	17 41	1 28	9 17	0 27	16 22	1 36	17 5	17 40	13 48	14 15	20 22		n.a.
S 8	5 35	21 40	5 4	7 29	2 48	19 41	1 35	2 37	0 32	17 3	0 59	17 40	1 28	9 18	0 27	16 22	1 36	17 6	17 40	13 50	14 16	20 24		n.a.
M 9	5 57	25 33	5 4	7 4	2 51	20 3	1 38	2 55	0 32	17 0	0 59	17 39	1 28	9 19	0 27	16 23	1 36	17 6	17 39	13 53	14 17	20 27		n.a.
T 10	6 20	27 38	4 44	6 38	2 52	20 24	1 41	3 12	0 31	16 57	0 59	17 37	1 28	9 20	0 27	16 23	1 36	17 7	17 39	13 54	14 18	20 29		n.a.
W11	6 42	27 50	4 7	6 10	2 53	20 44	1 43	3 30	0 30	16 54	1 0	17 36	1 28	9 22	0 27	16 24	1 36	17 7	17 39	13 55	14 19	20 31		n.a.
T 12	7 5	26 15	3 16	5 41	2 54	21 4	1 46	3 48	0 30	16 51	1 0	17 35	1 29	9 23	0 27	16 25	1 36	17 8	17 39	13 56	14 20	20 33		n.a.
F 13	7 27	23 12	2 15	5 10	2 54	21 23	1 48	4 6	0 29	16 48	1 0	17 34	1 29	9 24	0 27	16 25	1 36	17 8	17 39	13 56	14 21	20 36		n.a.
S 14	7 49	19 1	1 9	4 37	2 53	21 42	1 51	4 23	0 29	16 46	1 0	17 32	1 29	9 26	0 27	16 26	1 36	17 9	17 38	13 56	14 22	20 38		n.a.
S 15	8 11	14 3	0 2	4 2	2 51	22 0	1 53	4 41	0 28	16 43	1 1	17 31	1 29	9 27	0 27	16 26	1 36	17 9	17 38	13 55	14 24	20 40		n.a.
M16	8 33	8 37	1n 5	3 26	2 49	22 17	1 55	4 58	0 28	16 40	1 1	17 30	1 29	9 28	0 27	16 27	1 36	17 9	17 38	13 56	14 25	20 42		n.a.
T 17	8 55	2 56	2 7	2 49	2 46	22 34	1 58	5 16	0 27	16 37	1 1	17 29	1 30	9 30	0 27	16 27	1 36	17 10	17 38	13 57	14 26	20 45		n.a.
W18	9 16	2n46	3 3	2 10	2 43	22 51	2 0	5 33	0 26	16 34	1 1	17 28	1 30	9 31	0 27	16 28	1 36	17 10	17 37	13 58	14 27	20 47		n.a.
T 19	9 38	8 19	3 49	1 30	2 39	23 6	2 2	5 51	0 26	16 31	1 1	17 27	1 30	9 32	0 27	16 29	1 35	17 10	17 37	14 1	14 28	20 49		n.a.
F 20	9 59	13 30	4 25	0 48	2 35	23 22	2 4	6 8	0 25	16 29	1 2	17 25	1 30	9 33	0 27	16 29	1 35	17 11	17 37	14 4	14 29	20 51		n.a.
S 21	10 20	18 11	4 50	0 5	2 30	23 36	2 6	6 25	0 25	16 26	1 2	17 24	1 30	9 35	0 27	16 30	1 35	17 11	17 37	14 8	14 30	20 54		n.a.
S 22	10 41	22 8	5 1	0n40	2 24	23 50	2 8	6 42	0 24	16 23	1 2	17 23	1 31	9 36	0 27	16 30	1 35	17 11	17 36	14 12	14 31	20 56		n.a.
M23	11 2	25 11	5 0	1 25	2 18	24 4	2 10	6 59	0 23	16 21	1 2	17 22	1 31	9 37	0 27	16 31	1 35	17 12	17 36	14 16	14 32	20 58		n.a.
T 24	11 23	27 8	4 45	2 12	2 11	24 16	2 11	7 16	0 23	16 18	1 3	17 21	1 31	9 39	0 27	16 32	1 35	17 12	17 36	14 19	14 33	21 0		n.a.
W25	11 43	27 52	4 18	3 0	2 4	24 28	2 13	7 33	0 22	16 15	1 3	17 20	1 31	9 40	0 27	16 32	1 35	17 12	17 35	14 22	14 34	21 2		n.a.
T 26	12 3	27 16	3 39	3 49	1 56	24 40	2 15	7 50	0 22	16 13	1 3	17 20	1 31	9 41	0 27	16 33	1 35	17 12	17 35	14 24	14 35	21 5		n.a.
F 27	12 23	25 20	2 50	4 39	1 48	24 51	2 16	8 7	0 21	16 10	1 3	17 19	1 32	9 42	0 27	16 33	1 35	17 12	17 35	14 25	14 36	21 7		n.a.
S 28	12 43	22 8	1 51	5 30	1 40	25 1	2 18	8 23	0 20	16 8	1 4	17 18	1 32	9 44	0 27	16 34	1 35	17 13	17 34	14 25	14 37	21 9		n.a.
S 29	13 3	17 48	0 46	6 22	1 31	25 10	2 19	8 40	0 20	16 6	1 4	17 17	1 32	9 45	0 27	16 35	1 35	17 13	17 34	14 25	14 38	21 11		n.a.
M30	13n23	12n28	0s25	7n15	1s21	25n19	2n20	8n56	0s19	16s 3	1s 4	17s16	1s32	9n46	0s27	16n35	1s35	17n13	17n33	14s25	14s39	21n13		n.a.

Julian Day Number = 1632027.5, Delta T = 03h41m20s
Ecliptic obliquity = 23°43'37, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'56, Lahiri = - 7°19'56 Julian Calendar 1 Apr. 245 BCE == Greg. Calendar 28 March 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

MAY 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 20 18	6♉ 3'13	10♍10	23♈31	17♊13	24♈13	19♒59	17♒27	26♈ 8	20♉38	27°R 1	21°R46	21♒ 0	14♉31	n.a.	T 1
W 2	14 24 14	7° 0'33	24°23	25°31	18°21	24°56	20° 7	17°30	26°11	20°40	27♍ 0	21♒43	20°57	14°38	n.a.	W 2
T 3	14 28 11	7°57'51	9♎ 3	27°33	19°28	25°38	20°15	17°33	26°14	20°42	26°59	21°37	20°54	14°44	n.a.	T 3
F 4	14 32 8	8°55'08	24° 6	29°37	20°36	26°20	20°22	17°36	26°18	20°44	26°58	21°29	20°51	14°51	n.a.	F 4
S 5	14 36 4	9°52'25	9♏23	1♉42	21°43	27° 2	20°30	17°39	26°21	20°47	26°56	21°19	20°48	14°58	n.a.	S 5
S 6	14 40 1	10°49'41	24°43	3°49	22°50	27°45	20°37	17°42	26°25	20°49	26°55	21° 9	20°44	15° 4	n.a.	S 6
M 7	14 43 57	11°46'56	9♐54	5°57	23°56	28°27	20°44	17°45	26°28	20°51	26°54	20°59	20°41	15°11	n.a.	M 7
T 8	14 47 54	12°44'10	24°47	8° 7	25° 3	29° 9	20°51	17°47	26°31	20°53	26°53	20°51	20°38	15°18	n.a.	T 8
W 9	14 51 50	13°41'24	9♑15	10°18	26° 9	29°51	20°58	17°50	26°35	20°55	26°52	20°45	20°35	15°25	n.a.	W 9
T 10	14 55 47	14°38'37	23°13	12°29	27°16	0♉33	21° 5	17°52	26°38	20°58	26°51	20°42	20°32	15°31	n.a.	T 10
F 11	14 59 43	15°35'50	6♒44	14°40	28°22	1°15	21°12	17°54	26°41	21° 0	26°50	20°41	20°28	15°38	n.a.	F 11
S 12	15 3 40	16°33'02	19°48	16°52	29°28	1°57	21°18	17°57	26°45	21° 2	26°49	20°41	20°25	15°45	n.a.	S 12
S 13	15 7 37	17°30'15	2♓30	19° 4	0♋33	2°38	21°24	17°59	26°48	21° 4	26°48	20°41	20°22	15°51	n.a.	S 13
M14	15 11 33	18°27'26	14°54	21°15	1°39	3°20	21°31	18° 1	26°51	21° 7	26°47	20°39	20°19	15°58	n.a.	M14
T 15	15 15 30	19°24'38	27° 6	23°25	2°44	4° 2	21°37	18° 3	26°55	21° 9	26°47	20°35	20°16	16° 5	n.a.	T 15
W16	15 19 26	20°21'49	9♈ 8	25°35	3°50	4°44	21°42	18° 5	26°58	21°11	26°46	20°29	20°13	16°12	n.a.	W16
T 17	15 23 23	21°18'59	21° 4	27°44	4°55	5°25	21°48	18° 6	27° 1	21°13	26°45	20°20	20° 9	16°18	n.a.	T 17
F 18	15 27 19	22°16'10	2♉56	29°51	5°59	6° 7	21°54	18° 8	27° 4	21°16	26°44	20° 8	20° 6	16°25	n.a.	F 18
S 19	15 31 16	23°13'20	14°48	1♊57	7° 4	6°48	21°59	18° 9	27° 8	21°18	26°43	19°55	20° 3	16°32	n.a.	S 19
S 20	15 35 12	24°10'29	26°40	4° 1	8° 8	7°30	22° 4	18°11	27°11	21°20	26°43	19°41	20° 0	16°39	n.a.	S 20
M21	15 39 9	25° 7'39	8♊34	6° 3	9°12	8°11	22° 9	18°12	27°14	21°22	26°42	19°27	19°57	16°45	n.a.	M21
T 22	15 43 6	26° 4'48	20°32	8° 4	10°16	8°52	22°14	18°14	27°17	21°25	26°41	19°15	19°53	16°52	n.a.	T 22
W23	15 47 2	27° 1'57	2♋34	10° 2	11°20	9°34	22°19	18°15	27°20	21°27	26°41	19° 6	19°50	16°59	n.a.	W23
T 24	15 50 59	27°59'05	14°44	11°59	12°24	10°15	22°23	18°16	27°24	21°29	26°40	18°59	19°47	17° 5	n.a.	T 24
F 25	15 54 55	28°56'13	27° 4	13°53	13°27	10°56	22°27	18°17	27°27	21°31	26°40	18°56	19°44	17°12	n.a.	F 25
S 26	15 58 52	29°53'20	9♌38	15°46	14°30	11°37	22°31	18°18	27°30	21°33	26°39	18°54	19°41	17°19	n.a.	S 26
S 27	16 2 48	0♊50'27	22°28	17°36	15°32	12°18	22°35	18°18	27°33	21°36	26°39	18°D54	19°38	17°26	n.a.	S 27
M28	16 6 45	1°47'33	5♍41	19°24	16°35	13° 0	22°39	18°19	27°36	21°38	26°38	18°R54	19°34	17°32	n.a.	M28
T 29	16 10 42	2°44'39	19°18	21°10	17°37	13°41	22°43	18°19	27°39	21°40	26°38	18°53	19°31	17°39	n.a.	T 29
W30	16 14 38	3°41'44	3♎21	22°54	18°39	14°21	22°46	18°20	27°42	21°42	26°37	18°50	19°28	17°46	n.a.	W30
T 31	16 18 35	4♊38'50	17♎51	24♊35	19♋40	15♉ 2	22♒49	18♒20	27♈45	21♉44	26♍37	18♒45	19♒25	17♉53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13n42	6n22	1s36	8n 8	1s12	25n27	2n22	9n13	0s19	16s 1	1s 5	17s15	1s32	9n47	0s27	16n36	1s35	17n13	17n33	14s25	14s40	21n15			n.a.
W 2	14 1	0s14	2 43	9 2	1 2	25 35	2 23	9 29	0 18	15 59	1 5	17 15	1 33	9 49	0 27	16 36	1 35	17 13	17 33	14 26	14 41	21 18			n.a.
T 3	14 20	7 2	3 42	9 56	0 51	25 41	2 24	9 45	0 17	15 56	1 5	17 14	1 33	9 50	0 27	16 37	1 35	17 13	17 32	14 28	14 42	21 20			n.a.
F 4	14 39	13 35	4 27	10 50	0 41	25 47	2 25	10 1	0 17	15 54	1 5	17 13	1 33	9 51	0 27	16 38	1 35	17 13	17 32	14 31	14 43	21 22			n.a.
S 5	14 57	19 26	4 54	11 44	0 30	25 53	2 25	10 17	0 16	15 52	1 6	17 12	1 33	9 52	0 27	16 38	1 35	17 14	17 31	14 34	14 44	21 24			n.a.
S 6	15 15	24 1	5 0	12 38	0 20	25 58	2 26	10 33	0 16	15 50	1 6	17 12	1 34	9 54	0 27	16 39	1 35	17 14	17 31	14 37	14 45	21 26			n.a.
M 7	15 33	26 54	4 45	13 32	0 9	26 2	2 27	10 49	0 15	15 48	1 6	17 11	1 34	9 55	0 27	16 39	1 35	17 14	17 31	14 40	14 46	21 28			n.a.
T 8	15 51	27 47	4 10	14 25	0n 2	26 5	2 27	11 5	0 14	15 46	1 6	17 11	1 34	9 56	0 27	16 40	1 35	17 14	17 30	14 43	14 47	21 30			n.a.
W 9	16 8	26 44	3 20	15 17	0 12	26 8	2 28	11 20	0 14	15 44	1 7	17 10	1 34	9 57	0 27	16 41	1 35	17 14	17 30	14 45	14 48	21 32			n.a.
T 10	16 25	24 0	2 20	16 8	0 23	26 10	2 28	11 36	0 13	15 42	1 7	17 9	1 35	9 59	0 27	16 41	1 35	17 14	17 29	14 46	14 49	21 35			n.a.
F 11	16 42	20 0	1 13	16 57	0 33	26 11	2 28	11 51	0 13	15 40	1 7	17 9	1 35	10 0	0 27	16 42	1 35	17 14	17 29	14 46	14 50	21 37			n.a.
S 12	16 59	15 8	0 5	17 46	0 43	26 12	2 28	12 6	0 12	15 38	1 8	17 8	1 35	10 1	0 27	16 42	1 35	17 14	17 28	14 46	14 51	21 39			n.a.
S 13	17 16	9 45	1n 2	18 32	0 52	26 12	2 28	12 21	0 11	15 36	1 8	17 8	1 35	10 2	0 27	16 43	1 35	17 14	17 28	14 46	14 52	21 41			n.a.
M14	17 32	4 6	2 4	19 16	1 1	26 11	2 28	12 36	0 11	15 35	1 8	17 8	1 35	10 4	0 27	16 44	1 35	17 13	17 27	14 47	14 53	21 43			n.a.
T 15	17 48	1n34	2 59	19 59	1 10	26 9	2 28	12 51	0 10	15 33	1 9	17 7	1 36	10 5	0 27	16 44	1 35	17 13	17 27	14 48	14 54	21 45			n.a.
W16	18 3	7 7	3 46	20 39	1 18	26 7	2 27	13 6	0 10	15 31	1 9	17 7	1 36	10 6	0 27	16 45	1 35	17 13	17 26	14 50	14 55	21 47			n.a.
T 17	18 18	12 21	4 22	21 16	1 25	26 5	2 27	13 21	0 9	15 30	1 9	17 7	1 36	10 7	0 27	16 45	1 35	17 13	17 26	14 53	14 56	21 49			n.a.
F 18	18 33	17 6	4 46	21 51	1 32	26 1	2 26	13 35	0 8	15 28	1 9	17 6	1 36	10 8	0 27	16 46	1 35	17 13	17 25	14 57	14 57	21 51			n.a.
S 19	18 48	21 13	4 58	22 24	1 38	25 57	2 25	13 50	0 8	15 27	1 10	17 6	1 37	10 9	0 27	16 46	1 35	17 13	17 25	15 1	14 58	21 53			n.a.
S 20	19 2	24 27	4 57	22 54	1 43	25 52	2 24	14 4	0 7	15 25	1 10	17 6	1 37	10 11	0 27	16 47	1 35	17 13	17 24	15 6	14 59	21 55			n.a.
M21	19 17	26 39	4 43	23 21	1 48	25 47	2 23	14 18	0 6	15 24	1 10	17 6	1 37	10 12	0 27	16 48	1 35	17 12	17 24	15 10	15 0	21 57			n.a.
T 22	19 30	27 39	4 17	23 45	1 52	25 41	2 22	14 32	0 6	15 23	1 11	17 5	1 37	10 13	0 27	16 48	1 35	17 12	17 23	15 14	15 1	21 59			n.a.
W23	19 44	27 21	3 39	24 7	1 55	25 34	2 21	14 46	0 5	15 21	1 11	17 5	1 38	10 14	0 27	16 49	1 35	17 12	17 23	15 16	15 2	22 1			n.a.
T 24	19 57	25 43	2 50	24 27	1 58	25 27	2 19	15 0	0 5	15 20	1 11	17 5	1 38	10 15	0 27	16 49	1 35	17 12	17 22	15 19	15 3	22 3			n.a.
F 25	20 10	22 50	1 53	24 43	2 0	25 19	2 18	15 14	0 4	15 19	1 12	17 5	1 38	10 16	0 27	16 50	1 35	17 11	17 22	15 20	15 4	22 5			n.a.
S 26	20 22	18 50	0 49	24 58	2 1	25 11	2 16	15 27	0 3	15 18	1 12	17 5	1 38	10 17	0 27	16 51	1 35	17 11	17 21	15 20	15 5	22 7			n.a.
S 27	20 34	13 53	0s19	25 9	2 1	25 2	2 14	15 40	0 3	15 17	1 12	17 5	1 39	10 18	0 27	16 51	1 35	17 11	17 21	15 20	15 6	22 9			n.a.
M28	20 46	8 11	1 28	25 19	2 1	24 52	2 12	15 54	0 2	15 16	1 13	17 5	1 39	10 20	0 27	16 52	1 35	17 11	17 20	15 20	15 8	22 11			n.a.
T 29	20 58	1 56	2 34	25 26	2 0	24 42	2 10	16 7	0 1	15 15	1 13	17 5	1 39	10 21	0 27	16 52	1 35	17 10	17 20	15 21	15 9	22 13			n.a.
W30	21 9	4s35	3 32	25 31	1 59	24 31	2 8	16 20	0 1	15 14	1 13	17 5	1 39	10 22	0 27	16 53	1 35	17 10	17 19	15 21	15 10	22 15			n.a.
T 31	21n19	11s 4	4s19	25n34	1n57	24n20	2n 5	16n32	0s 0	15s14	1s13	17s 5	1s39	10n23	0s27	16n53	1s35	17n10	17n18	15s23	15s11	22n17			n.a.

Julian Day Number = 1632057.5, Delta T = 03h41m19s
Ecliptic obliquity = 23°43'37, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'52, Lahiri = - 7°19'52 Julian Calendar 1 May 245 BCE == Greg. Calendar 27 Apr. 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

JUNE 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 22 31	5♊35'55	2♏44	26♊15	20♋41	15♉43	22♒52	18♒21	27♈48	21♉47	26°R37	18°R38	19♒22	17♉59	n.a.	F 1
S 2	16 26 28	6°33'00	17°53	27°52	21°42	16°24	22°55	18°21	27°51	21°49	26♍36	18♒28	19°19	18° 6	n.a.	S 2
S 3	16 30 24	7°30'05	3♐ 9	29°27	22°43	17° 5	22°58	18°R21	27°53	21°51	26°36	18°18	19°15	18°13	n.a.	S 3
M 4	16 34 21	8°27'10	18°21	1♋ 0	23°43	17°45	23° 0	18°21	27°56	21°53	26°36	18° 9	19°12	18°19	n.a.	M 4
T 5	16 38 17	9°24'15	3♑17	2°31	24°43	18°26	23° 3	18°21	27°59	21°55	26°36	18° 1	19° 9	18°26	n.a.	T 5
W 6	16 42 14	10°21'21	17°51	3°59	25°43	19° 7	23° 5	18°20	28° 2	21°58	26°35	17°56	19° 6	18°33	n.a.	W 6
T 7	16 46 11	11°18'27	1♒56	5°25	26°42	19°47	23° 7	18°20	28° 5	22° 0	26°35	17°53	19° 3	18°40	n.a.	T 7
F 8	16 50 7	12°15'33	15°33	6°49	27°41	20°28	23° 9	18°19	28° 7	22° 2	26°35	17°D52	18°59	18°46	n.a.	F 8
S 9	16 54 4	13°12'40	28°42	8°11	28°39	21° 8	23°10	18°19	28°10	22° 4	26°35	17°52	18°56	18°53	n.a.	S 9
S 10	16 58 0	14° 9'48	11♓27	9°30	29°37	21°49	23°12	18°18	28°13	22° 6	26°D35	17°R53	18°53	19° 0	n.a.	S 10
M11	17 1 57	15° 6'56	23°52	10°47	0♌35	22°29	23°13	18°18	28°15	22° 8	26°35	17°52	18°50	19° 7	n.a.	M11
T 12	17 5 53	16° 4'04	6♈ 2	12° 1	1°32	23° 9	23°14	18°17	28°18	22°10	26°35	17°50	18°47	19°13	n.a.	T 12
W13	17 9 50	17° 1'14	18° 1	13°13	2°29	23°49	23°14	18°16	28°21	22°12	26°35	17°46	18°44	19°20	n.a.	W13
T 14	17 13 46	17°58'24	29°55	14°23	3°25	24°30	23°15	18°15	28°23	22°14	26°35	17°39	18°40	19°27	n.a.	T 14
F 15	17 17 43	18°55'34	11♉46	15°29	4°21	25°10	23°15	18°14	28°26	22°16	26°35	17°31	18°37	19°33	n.a.	F 15
S 16	17 21 40	19°52'46	23°38	16°33	5°16	25°50	23°R16	18°12	28°28	22°18	26°36	17°21	18°34	19°40	n.a.	S 16
S 17	17 25 36	20°49'58	5♊33	17°34	6°11	26°30	23°16	18°11	28°30	22°21	26°36	17°10	18°31	19°47	n.a.	S 17
M18	17 29 33	21°47'10	17°32	18°33	7° 5	27°10	23°15	18°10	28°33	22°23	26°36	17° 0	18°28	19°54	n.a.	M18
T 19	17 33 29	22°44'24	29°38	19°28	7°59	27°50	23°15	18° 8	28°35	22°25	26°36	16°51	18°25	20° 0	n.a.	T 19
W20	17 37 26	23°41'38	11♋50	20°20	8°52	28°30	23°14	18° 6	28°38	22°26	26°37	16°43	18°21	20° 7	n.a.	W20
T 21	17 41 22	24°38'52	24°12	21° 8	9°45	29°10	23°14	18° 5	28°40	22°28	26°37	16°39	18°18	20°14	n.a.	T 21
F 22	17 45 19	25°36'08	6♌43	21°54	10°37	29°50	23°13	18° 3	28°42	22°30	26°37	16°36	18°15	20°20	n.a.	F 22
S 23	17 49 16	26°33'23	19°27	22°35	11°29	0♊30	23°11	18° 1	28°44	22°32	26°38	16°D36	18°12	20°27	n.a.	S 23
S 24	17 53 12	27°30'39	2♍25	23°13	12°19	1° 9	23°10	17°59	28°46	22°34	26°38	16°37	18° 9	20°34	n.a.	S 24
M25	17 57 9	28°27'56	15°41	23°47	13°10	1°49	23° 8	17°57	28°49	22°36	26°39	16°38	18° 5	20°41	n.a.	M25
T 26	18 1 5	29°25'13	29°16	24°17	13°59	2°29	23° 7	17°55	28°51	22°38	26°39	16°R38	18° 2	20°47	n.a.	T 26
W27	18 5 2	0♋22'31	13♎12	24°42	14°48	3° 8	23° 5	17°52	28°53	22°40	26°40	16°38	17°59	20°54	n.a.	W27
T 28	18 8 58	1°19'49	27°30	25° 4	15°36	3°48	23° 3	17°50	28°55	22°42	26°40	16°35	17°56	21° 1	n.a.	T 28
F 29	18 12 55	2°17'08	12♏ 6	25°20	16°23	4°27	23° 0	17°48	28°57	22°44	26°41	16°31	17°53	21° 8	n.a.	F 29
S 30	18 16 51	3♋14'28	26♏56	25♋32	17♌ 9	5♊ 7	22♒58	17♒45	28♈59	22♉45	26♍42	16♒25	17♒50	21♉14	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n30	17s 6	4s50	25n34	1n54	24n 8	2n 3	16n45	0n 1	15s13	1s14	17s 5	1s40	10n24	0s27	16n54	1s35	17n 9	17n18	15s25	15s12	22n19		n.a.
S 2	21 40	22 11	5 2	25 33	1 51	23 56	2 0	16 58	0 1	15 12	1 14	17 6	1 40	10 25	0 27	16 55	1 35	17 9	17 17	15 28	15 13	22 21		n.a.
S 3	21 49	25 48	4 52	25 30	1 47	23 43	1 57	17 10	0 2	15 12	1 14	17 6	1 40	10 26	0 27	16 55	1 35	17 8	17 17	15 31	15 14	22 23		n.a.
M 4	21 59	27 33	4 21	25 25	1 42	23 29	1 54	17 22	0 2	15 11	1 15	17 6	1 40	10 27	0 27	16 56	1 35	17 8	17 16	15 34	15 15	22 25		n.a.
T 5	22 8	27 14	3 33	25 19	1 37	23 16	1 51	17 34	0 3	15 11	1 15	17 6	1 41	10 28	0 27	16 56	1 35	17 8	17 16	15 37	15 16	22 27		n.a.
W 6	22 16	25 2	2 32	25 11	1 31	23 1	1 48	17 46	0 4	15 10	1 15	17 7	1 41	10 29	0 27	16 57	1 35	17 7	17 15	15 38	15 17	22 29		n.a.
T 7	22 24	21 19	1 24	25 2	1 25	22 46	1 44	17 58	0 4	15 10	1 16	17 7	1 41	10 30	0 27	16 57	1 35	17 7	17 15	15 39	15 18	22 31		n.a.
F 8	22 32	16 34	0 12	24 51	1 18	22 31	1 41	18 9	0 5	15 10	1 16	17 7	1 41	10 31	0 27	16 58	1 35	17 6	17 14	15 40	15 19	22 33		n.a.
S 9	22 39	11 10	0n57	24 39	1 11	22 15	1 37	18 21	0 6	15 9	1 16	17 8	1 42	10 32	0 27	16 58	1 35	17 6	17 13	15 40	15 20	22 35		n.a.
S 10	22 46	5 29	2 2	24 26	1 3	21 59	1 33	18 32	0 6	15 9	1 17	17 8	1 42	10 33	0 27	16 59	1 35	17 5	17 13	15 39	15 21	22 37		n.a.
M11	22 53	0n16	2 59	24 12	0 55	21 43	1 29	18 43	0 7	15 9	1 17	17 9	1 42	10 34	0 27	17 0	1 35	17 5	17 12	15 40	15 22	22 39		n.a.
T 12	22 59	5 54	3 47	23 57	0 46	21 26	1 24	18 54	0 8	15 9	1 17	17 9	1 42	10 35	0 27	17 0	1 35	17 4	17 12	15 40	15 23	22 41		n.a.
W13	23 5	11 13	4 24	23 41	0 37	21 8	1 20	19 5	0 8	15 9	1 18	17 10	1 43	10 36	0 27	17 1	1 35	17 4	17 11	15 42	15 24	22 43		n.a.
T 14	23 11	16 5	4 50	23 24	0 27	20 51	1 15	19 16	0 9	15 9	1 18	17 10	1 43	10 37	0 27	17 1	1 35	17 3	17 10	15 44	15 25	22 45		n.a.
F 15	23 16	20 20	5 2	23 6	0 17	20 33	1 10	19 26	0 9	15 10	1 18	17 11	1 43	10 37	0 27	17 2	1 35	17 2	17 10	15 46	15 26	22 46		n.a.
S 16	23 20	23 46	5 2	22 48	0 7	20 14	1 5	19 37	0 10	15 10	1 19	17 11	1 43	10 38	0 27	17 2	1 35	17 2	17 9	15 49	15 27	22 48		n.a.
S 17	23 24	26 13	4 49	22 30	0s 4	19 55	1 0	19 47	0 11	15 10	1 19	17 12	1 44	10 39	0 27	17 3	1 35	17 1	17 9	15 53	15 28	22 50		n.a.
M18	23 28	27 29	4 22	22 11	0 15	19 36	0 55	19 57	0 11	15 11	1 19	17 13	1 44	10 40	0 27	17 3	1 35	17 1	17 8	15 56	15 29	22 52		n.a.
T 19	23 32	27 28	3 44	21 51	0 27	19 17	0 49	20 7	0 12	15 11	1 20	17 13	1 44	10 41	0 27	17 4	1 35	17 0	17 8	15 59	15 29	22 54		n.a.
W20	23 34	26 6	2 55	21 32	0 39	18 57	0 44	20 16	0 13	15 11	1 20	17 14	1 44	10 42	0 27	17 4	1 35	16 59	17 7	16 1	15 30	22 56		n.a.
T 21	23 37	23 27	1 57	21 12	0 51	18 37	0 38	20 26	0 13	15 12	1 20	17 15	1 44	10 43	0 27	17 5	1 35	16 59	17 6	16 2	15 31	22 58		n.a.
F 22	23 39	19 40	0 53	20 53	1 3	18 17	0 32	20 35	0 14	15 13	1 21	17 16	1 45	10 43	0 27	17 5	1 35	16 58	17 6	16 3	15 32	22 59		n.a.
S 23	23 41	14 55	0s15	20 33	1 16	17 57	0 25	20 44	0 15	15 13	1 21	17 17	1 45	10 44	0 27	17 6	1 35	16 57	17 5	16 3	15 33	23 1		n.a.
S 24	23 42	9 26	1 24	20 14	1 29	17 36	0 19	20 53	0 15	15 14	1 21	17 17	1 45	10 45	0 27	17 6	1 35	16 56	17 5	16 3	15 34	23 3		n.a.
M25	23 43	3 24	2 30	19 56	1 42	17 16	0 12	21 2	0 16	15 15	1 22	17 18	1 45	10 46	0 27	17 6	1 35	16 56	17 4	16 2	15 35	23 5		n.a.
T 26	23 44	2s54	3 29	19 37	1 56	16 55	0 5	21 11	0 17	15 16	1 22	17 19	1 46	10 46	0 27	17 7	1 35	16 55	17 3	16 2	15 36	23 7		n.a.
W27	23 44	9 13	4 18	19 20	2 9	16 34	0s 2	21 19	0 17	15 17	1 22	17 20	1 46	10 47	0 27	17 7	1 35	16 54	17 3	16 2	15 37	23 9		n.a.
T 28	23 43	15 14	4 52	19 3	2 22	16 13	0 9	21 27	0 18	15 18	1 23	17 21	1 46	10 48	0 27	17 8	1 35	16 53	17 2	16 3	15 38	23 10		n.a.
F 29	23 42	20 31	5 8	18 47	2 36	15 51	0 16	21 35	0 19	15 19	1 23	17 22	1 46	10 48	0 27	17 8	1 35	16 53	17 2	16 5	15 39	23 12		n.a.
S 30	23n41	24s37	5s 3	18n31	2s49	15n30	0s24	21n43	0n19	15s20	1s23	17s23	1s46	10n49	0s27	17n 9	1s35	16n52	17n 1	16s 6	15s40	23n14		n.a.

Julian Day Number = 1632088.5, Delta T = 03h41m18s
Ecliptic obliquity = 23°43'36, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'48, Lahiri = - 7°19'48 Julian Calendar 1 June 245 BCE == Greg. Calendar 28 May 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

JULY 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 20 48	4♋11'48	11♐53	25♋39	17♌55	5♊46	22°R55	17°R42	29♈ 1	22♉47	26♍42	16°R19	17♒46	21♉21	n.a.	S 1
M 2	18 24 45	5° 9'10	26°49	25°R40	18°39	6°25	22♒52	17♒40	29° 2	22°49	26°43	16♒13	17°43	21°28	n.a.	M 2
T 3	18 28 41	6° 6'32	11♑35	25°37	19°23	7° 5	22°49	17°37	29° 4	22°51	26°44	16° 8	17°40	21°34	n.a.	T 3
W 4	18 32 38	7° 3'56	26° 2	25°28	20° 6	7°44	22°46	17°34	29° 6	22°52	26°45	16° 5	17°37	21°41	n.a.	W 4
T 5	18 36 34	8° 1'21	10♒ 7	25°14	20°48	8°23	22°42	17°31	29° 8	22°54	26°45	16°D 3	17°34	21°48	n.a.	T 5
F 6	18 40 31	8°58'47	23°45	24°55	21°28	9° 2	22°39	17°28	29° 9	22°56	26°46	16° 4	17°31	21°55	n.a.	F 6
S 7	18 44 27	9°56'14	6♓58	24°30	22° 8	9°41	22°35	17°25	29°11	22°57	26°47	16° 5	17°27	22° 1	n.a.	S 7
S 8	18 48 24	10°53'43	19°47	24° 1	22°47	10°20	22°31	17°22	29°13	22°59	26°48	16° 6	17°24	22° 8	n.a.	S 8
M 9	18 52 21	11°51'13	2♈15	23°27	23°24	10°59	22°27	17°19	29°14	23° 1	26°49	16° 8	17°21	22°15	n.a.	M 9
T 10	18 56 17	12°48'45	14°27	22°49	24° 1	11°38	22°22	17°15	29°16	23° 2	26°50	16°R 8	17°18	22°22	n.a.	T 10
W11	19 0 14	13°46'18	26°28	22° 7	24°36	12°17	22°18	17°12	29°17	23° 4	26°51	16° 7	17°15	22°28	n.a.	W11
T 12	19 4 10	14°43'53	8♉23	21°22	25°10	12°56	22°13	17° 8	29°19	23° 5	26°52	16° 5	17°11	22°35	n.a.	T 12
F 13	19 8 7	15°41'29	20°15	20°34	25°42	13°35	22° 8	17° 5	29°20	23° 7	26°53	16° 1	17° 8	22°42	n.a.	F 13
S 14	19 12 3	16°39'07	2♊ 9	19°45	26°13	14°14	22° 3	17° 1	29°21	23° 8	26°54	15°57	17° 5	22°48	n.a.	S 14
S 15	19 16 0	17°36'47	14° 7	18°55	26°43	14°53	21°58	16°58	29°23	23°10	26°55	15°52	17° 2	22°55	n.a.	S 15
M16	19 19 56	18°34'28	26°13	18° 5	27°11	15°31	21°53	16°54	29°24	23°11	26°56	15°47	16°59	23° 2	n.a.	M16
T 17	19 23 53	19°32'11	8♋28	17°16	27°38	16°10	21°47	16°50	29°25	23°13	26°58	15°43	16°56	23° 9	n.a.	T 17
W18	19 27 50	20°29'55	20°54	16°29	28° 3	16°49	21°41	16°46	29°26	23°14	26°59	15°40	16°52	23°15	n.a.	W18
T 19	19 31 46	21°27'41	3♌32	15°45	28°27	17°27	21°36	16°42	29°27	23°16	27° 0	15°39	16°49	23°22	n.a.	T 19
F 20	19 35 43	22°25'28	16°22	15° 5	28°49	18° 6	21°30	16°38	29°28	23°17	27° 1	15°D38	16°46	23°29	n.a.	F 20
S 21	19 39 39	23°23'16	29°25	14°30	29° 9	18°44	21°24	16°34	29°29	23°18	27° 3	15°39	16°43	23°36	n.a.	S 21
S 22	19 43 36	24°21'06	12♍40	14° 1	29°27	19°23	21°17	16°30	29°30	23°20	27° 4	15°40	16°40	23°42	n.a.	S 22
M23	19 47 32	25°18'57	26°10	13°38	29°44	20° 1	21°11	16°26	29°31	23°21	27° 6	15°41	16°37	23°49	n.a.	M23
T 24	19 51 29	26°16'50	9♎53	13°22	29°58	20°39	21° 5	16°22	29°32	23°22	27° 7	15°42	16°33	23°56	n.a.	T 24
W25	19 55 25	27°14'44	23°50	13°14	0♍10	21°18	20°58	16°18	29°33	23°23	27° 8	15°R43	16°30	24° 2	n.a.	W25
T 26	19 59 22	28°12'39	7♏59	13°D13	0°21	21°56	20°51	16°14	29°33	23°24	27°10	15°43	16°27	24° 9	n.a.	T 26
F 27	20 3 19	29°10'36	22°20	13°20	0°29	22°34	20°44	16° 9	29°34	23°26	27°11	15°42	16°24	24°16	n.a.	F 27
S 28	20 7 15	0♎ 8'34	6♐48	13°35	0°35	23°12	20°37	16° 5	29°35	23°27	27°13	15°40	16°21	24°23	n.a.	S 28
S 29	20 11 12	1° 6'34	21°20	13°58	0°39	23°50	20°30	16° 1	29°35	23°28	27°14	15°38	16°17	24°29	n.a.	S 29
M30	20 15 8	2° 4'35	5♑50	14°29	0°R40	24°28	20°23	15°56	29°36	23°29	27°16	15°37	16°14	24°36	n.a.	M30
T 31	20 19 5	3♎ 2'38	20♑12	15♋ 9	0♍39	25♊ 6	20♒16	15♒52	29♈36	23♉30	27♍18	15♒35	16♒11	24♉43	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n40	27s 5	4s39	18n17	3s 2	15n 8	0s32	21n51	0n20	15s21	1s24	17s24	1s47	10n50	0s27	17n 9	1s35	16n51	17n 0	16s 8	15s41	23n16			n.a.
M 2	23 37	27 36	3 55	18 4	3 15	14 47	0 40	21 59	0 20	15 23	1 24	17 25	1 47	10 50	0 27	17 10	1 35	16 50	17 0	16 10	15 42	23 17			n.a.
T 3	23 35	26 8	2 56	17 53	3 27	14 25	0 48	22 6	0 21	15 24	1 24	17 26	1 47	10 51	0 27	17 10	1 36	16 49	16 59	16 11	15 43	23 19			n.a.
W 4	23 32	22 56	1 47	17 43	3 39	14 4	0 57	22 13	0 22	15 25	1 24	17 27	1 47	10 52	0 27	17 10	1 36	16 49	16 59	16 12	15 44	23 21			n.a.
T 5	23 29	18 26	0 32	17 34	3 50	13 42	1 5	22 20	0 22	15 27	1 25	17 28	1 47	10 52	0 27	17 11	1 36	16 48	16 58	16 13	15 45	23 23			n.a.
F 6	23 25	13 6	0n42	17 27	4 1	13 21	1 14	22 27	0 23	15 28	1 25	17 29	1 48	10 53	0 27	17 11	1 36	16 47	16 58	16 13	15 46	23 25			n.a.
S 7	23 21	7 20	1 51	17 22	4 11	12 59	1 23	22 34	0 24	15 30	1 25	17 30	1 48	10 54	0 27	17 12	1 36	16 46	16 57	16 12	15 47	23 26			n.a.
S 8	23 16	1 27	2 53	17 19	4 19	12 38	1 32	22 40	0 24	15 31	1 26	17 32	1 48	10 54	0 27	17 12	1 36	16 45	16 57	16 12	15 48	23 28			n.a.
M 9	23 11	4n20	3 45	17 17	4 26	12 17	1 42	22 46	0 25	15 33	1 26	17 33	1 48	10 55	0 27	17 12	1 36	16 44	16 56	16 12	15 49	23 30			n.a.
T 10	23 6	9 50	4 26	17 17	4 32	11 55	1 52	22 53	0 26	15 35	1 26	17 34	1 48	10 55	0 27	17 13	1 36	16 43	16 55	16 11	15 50	23 31			n.a.
W11	23 0	14 53	4 54	17 20	4 37	11 34	2 2	22 58	0 26	15 36	1 27	17 35	1 49	10 56	0 27	17 13	1 36	16 43	16 55	16 12	15 51	23 33			n.a.
T 12	22 54	19 20	5 9	17 24	4 40	11 13	2 12	23 4	0 27	15 38	1 27	17 37	1 49	10 56	0 27	17 13	1 36	16 42	16 54	16 12	15 52	23 35			n.a.
F 13	22 47	23 0	5 11	17 30	4 41	10 53	2 22	23 10	0 28	15 40	1 27	17 38	1 49	10 57	0 27	17 14	1 36	16 41	16 54	16 13	15 53	23 37			n.a.
S 14	22 40	25 44	5 0	17 38	4 40	10 32	2 32	23 15	0 28	15 42	1 27	17 39	1 49	10 57	0 27	17 14	1 36	16 40	16 53	16 15	15 54	23 38			n.a.
S 15	22 33	27 19	4 35	17 47	4 38	10 12	2 43	23 20	0 29	15 44	1 28	17 40	1 49	10 58	0 27	17 14	1 36	16 39	16 53	16 16	15 55	23 40			n.a.
M16	22 25	27 38	3 58	17 58	4 34	9 52	2 54	23 25	0 30	15 46	1 28	17 42	1 49	10 58	0 27	17 15	1 36	16 38	16 52	16 18	15 56	23 42			n.a.
T 17	22 17	26 36	3 10	18 11	4 27	9 33	3 5	23 30	0 30	15 48	1 28	17 43	1 50	10 58	0 27	17 15	1 36	16 37	16 52	16 19	15 57	23 43			n.a.
W18	22 8	24 15	2 12	18 24	4 19	9 13	3 16	23 35	0 31	15 50	1 28	17 44	1 50	10 59	0 27	17 15	1 36	16 36	16 51	16 20	15 58	23 45			n.a.
T 19	22 0	20 40	1 6	18 39	4 10	8 55	3 28	23 39	0 32	15 52	1 29	17 46	1 50	10 59	0 27	17 16	1 36	16 35	16 51	16 20	15 59	23 47			n.a.
F 20	21 50	16 3	0s 4	18 55	3 58	8 36	3 39	23 43	0 32	15 55	1 29	17 47	1 50	10 59	0 27	17 16	1 36	16 34	16 50	16 20	16 0	23 48			n.a.
S 21	21 40	10 39	1 15	19 11	3 46	8 18	3 51	23 47	0 33	15 57	1 29	17 48	1 50	11 0	0 27	17 16	1 36	16 33	16 49	16 20	16 1	23 50			n.a.
S 22	21 30	4 41	2 23	19 28	3 32	8 1	4 3	23 51	0 34	15 59	1 29	17 50	1 50	11 0	0 27	17 17	1 36	16 32	16 49	16 20	16 2	23 52			n.a.
M23	21 20	1s35	3 25	19 46	3 17	7 44	4 15	23 55	0 34	16 1	1 30	17 51	1 51	11 0	0 27	17 17	1 36	16 31	16 48	16 20	16 3	23 53			n.a.
T 24	21 9	7 52	4 16	20 3	3 1	7 27	4 27	23 58	0 35	16 4	1 30	17 53	1 51	11 1	0 27	17 17	1 36	16 30	16 48	16 19	16 4	23 55			n.a.
W25	20 58	13 53	4 53	20 21	2 44	7 11	4 39	24 2	0 36	16 6	1 30	17 54	1 51	11 1	0 27	17 17	1 36	16 29	16 47	16 19	16 5	23 56			n.a.
T 26	20 46	19 15	5 13	20 38	2 27	6 56	4 52	24 5	0 36	16 8	1 30	17 56	1 51	11 1	0 28	17 18	1 36	16 28	16 47	16 19	16 6	23 58			n.a.
F 27	20 34	23 36	5 13	20 54	2 9	6 42	5 4	24 8	0 37	16 11	1 31	17 57	1 51	11 1	0 28	17 18	1 36	16 27	16 46	16 19	16 7	24 0			n.a.
S 28	20 22	26 32	4 54	21 10	1 52	6 28	5 17	24 11	0 38	16 13	1 31	17 58	1 51	11 2	0 28	17 18	1 36	16 26	16 46	16 20	16 8	24 1			n.a.
S 29	20 9	27 42	4 16	21 25	1 34	6 15	5 29	24 13	0 38	16 16	1 31	18 0	1 51	11 2	0 28	17 18	1 36	16 25	16 46	16 20	16 9	24 3			n.a.
M30	19 56	26 58	3 22	21 39	1 17	6 3	5 42	24 15	0 39	16 18	1 31	18 1	1 52	11 2	0 28	17 19	1 37	16 24	16 45	16 21	16 10	24 4			n.a.
T 31	19n43	24s25	2s16	21n52	1s 0	5n51	5s54	24n18	0n40	16s21	1s31	18s 3	1s52	11n 2	0s28	17n19	1s37	16n23	16n45	16s21	16s11	24n 6			n.a.

Julian Day Number = 1632118.5, Delta T = 03h41m17s
Ecliptic obliquity = 23°43'36, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'44, Lahiri = - 7°19'44 Julian Calendar 1 July 245 BCE == Greg. Calendar 27 June 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

AUGUST 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 23 1	4♌ 0'42	4♒21	15♋56	0°R36	25♊44	20°R 9	15°R47	29♈37	23♉31	27♍19	15°R35	16♒ 8	24♉49	n.a.	W 1
T 2	20 26 58	4°58'48	18°13	16°50	0♍30	26°22	20♒ 1	15♒43	29°37	23°32	27°21	15°D34	16° 5	24°56	n.a.	T 2
F 3	20 30 54	5°56'57	1♓44	17°52	0°22	27° 0	19°54	15°38	29°38	23°33	27°23	15♒35	16° 2	25° 3	n.a.	F 3
S 4	20 34 51	6°55'06	14°54	19° 0	0°12	27°38	19°46	15°34	29°38	23°34	27°24	15°35	15°58	25°10	n.a.	S 4
S 5	20 38 48	7°53'18	27°43	20°15	29♌59	28°15	19°39	15°29	29°38	23°35	27°26	15°36	15°55	25°16	n.a.	S 5
M 6	20 42 44	8°51'33	10♈13	21°36	29°44	28°53	19°31	15°25	29°38	23°35	27°28	15°37	15°52	25°23	n.a.	M 6
T 7	20 46 41	9°49'49	22°28	23° 2	29°27	29°31	19°23	15°20	29°38	23°36	27°29	15°37	15°49	25°30	n.a.	T 7
W 8	20 50 37	10°48'07	4♉31	24°33	29° 7	0♋ 8	19°15	15°16	29°38	23°37	27°31	15°38	15°46	25°37	n.a.	W 8
T 9	20 54 34	11°46'28	16°27	26° 8	28°45	0°46	19° 8	15°11	29°R38	23°38	27°33	15°R38	15°43	25°43	n.a.	T 9
F 10	20 58 30	12°44'51	28°19	27°47	28°22	1°24	19° 0	15° 6	29°38	23°39	27°35	15°38	15°39	25°50	n.a.	F 10
S 11	21 2 27	13°43'16	10♊14	29°29	27°56	2° 1	18°52	15° 2	29°38	23°39	27°37	15°37	15°36	25°57	n.a.	S 11
S 12	21 6 23	14°41'43	22°15	1♌14	27°28	2°38	18°44	14°57	29°38	23°40	27°39	15°37	15°33	26° 3	n.a.	S 12
M13	21 10 20	15°40'13	4♋26	3° 1	26°58	3°16	18°36	14°52	29°38	23°41	27°41	15°D37	15°30	26°10	n.a.	M13
T 14	21 14 17	16°38'44	16°49	4°50	26°27	3°53	18°28	14°48	29°38	23°41	27°43	15°37	15°27	26°17	n.a.	T 14
W15	21 18 13	17°37'18	29°28	6°40	25°54	4°30	18°20	14°43	29°38	23°42	27°45	15°37	15°23	26°24	n.a.	W15
T 16	21 22 10	18°35'54	12♌23	8°32	25°21	5° 8	18°12	14°39	29°37	23°42	27°47	15°R37	15°20	26°30	n.a.	T 16
F 17	21 26 6	19°34'32	25°35	10°24	24°46	5°45	18° 4	14°34	29°37	23°43	27°49	15°37	15°17	26°37	n.a.	F 17
S 18	21 30 3	20°33'12	9♍ 2	12°16	24°10	6°22	17°56	14°29	29°36	23°43	27°51	15°37	15°14	26°44	n.a.	S 18
S 19	21 33 59	21°31'54	22°44	14° 8	23°34	6°59	17°48	14°25	29°36	23°44	27°53	15°37	15°11	26°50	n.a.	S 19
M20	21 37 56	22°30'37	6♎37	16° 1	22°57	7°36	17°40	14°20	29°35	23°44	27°55	15°36	15° 8	26°57	n.a.	M20
T 21	21 41 52	23°29'23	20°39	17°53	22°21	8°13	17°32	14°16	29°35	23°44	27°57	15°35	15° 4	27° 4	n.a.	T 21
W22	21 45 49	24°28'10	4♏48	19°45	21°44	8°50	17°24	14°11	29°34	23°45	27°59	15°34	15° 1	27°11	n.a.	W22
T 23	21 49 45	25°27'00	19° 0	21°36	21° 8	9°27	17°16	14° 7	29°34	23°45	28° 1	15°D34	14°58	27°17	n.a.	T 23
F 24	21 53 42	26°25'51	3♐13	23°27	20°32	10° 3	17° 9	14° 2	29°33	23°45	28° 3	15°34	14°55	27°24	n.a.	F 24
S 25	21 57 39	27°24'44	17°25	25°17	19°57	10°40	17° 1	13°58	29°32	23°46	28° 5	15°34	14°52	27°31	n.a.	S 25
S 26	22 1 35	28°23'39	1♑33	27° 7	19°23	11°17	16°53	13°53	29°31	23°46	28° 7	15°35	14°49	27°38	n.a.	S 26
M27	22 5 32	29°22'35	15°36	28°55	18°51	11°53	16°45	13°49	29°30	23°46	28°10	15°36	14°45	27°44	n.a.	M27
T 28	22 9 28	0♍21'34	29°29	0♍43	18°19	12°30	16°38	13°45	29°30	23°46	28°12	15°37	14°42	27°51	n.a.	T 28
W29	22 13 25	1°20'35	13♒12	2°30	17°50	13° 6	16°30	13°40	29°29	23°46	28°14	15°R38	14°39	27°58	n.a.	W29
T 30	22 17 21	2°19'37	26°42	4°16	17°22	13°43	16°23	13°36	29°28	23°46	28°16	15°37	14°36	28° 4	n.a.	T 30
F 31	22 21 18	3♍18'41	9♓57	6♍ 1	16♌56	14♋19	16♒16	13♒32	29♈27	23°R46	28♍18	15♒36	14♒33	28♉11	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	19n29	20s24	1s 2	22n 3	0s43	5n41	6s 6	24n20	0n40	16s23	1s32	18s 4	1s52	11n 2	0s28	17n19	1s37	16n21	16n44	16s22	16s11	24n 8			n.a.
T 2	19 15	15 19	0n15	22 12	0 27	5 32	6 19	24 22	0 41	16 26	1 32	18 6	1 52	11 2	0 28	17 19	1 37	16 20	16 44	16 22	16 12	24 9			n.a.
F 3	19 1	9 37	1 28	22 19	0 12	5 23	6 31	24 23	0 42	16 28	1 32	18 7	1 52	11 3	0 28	17 19	1 37	16 19	16 43	16 21	16 13	24 11			n.a.
S 4	18 46	3 38	2 35	22 25	0n 3	5 15	6 43	24 25	0 42	16 31	1 32	18 9	1 52	11 3	0 28	17 20	1 37	16 18	16 43	16 21	16 14	24 12			n.a.
S 5	18 31	2n20	3 33	22 27	0 17	5 9	6 54	24 26	0 43	16 34	1 32	18 10	1 52	11 3	0 28	17 20	1 37	16 17	16 42	16 21	16 15	24 14			n.a.
M 6	18 16	8 3	4 18	22 27	0 30	5 4	7 6	24 27	0 44	16 36	1 32	18 12	1 52	11 3	0 28	17 20	1 37	16 16	16 42	16 21	16 16	24 15			n.a.
T 7	18 0	13 20	4 51	22 25	0 42	4 59	7 17	24 28	0 44	16 39	1 32	18 13	1 52	11 3	0 28	17 20	1 37	16 15	16 42	16 21	16 17	24 17			n.a.
W 8	17 44	18 3	5 11	22 20	0 52	4 56	7 27	24 29	0 45	16 41	1 33	18 15	1 53	11 3	0 28	17 20	1 37	16 14	16 41	16 21	16 18	24 18			n.a.
T 9	17 28	22 0	5 17	22 12	1 2	4 54	7 37	24 29	0 46	16 44	1 33	18 16	1 53	11 3	0 28	17 20	1 37	16 13	16 41	16 21	16 19	24 20			n.a.
F 10	17 11	25 2	5 9	22 1	1 11	4 53	7 47	24 30	0 46	16 47	1 33	18 17	1 53	11 3	0 28	17 21	1 37	16 12	16 40	16 21	16 20	24 22			n.a.
S 11	16 54	27 0	4 48	21 48	1 19	4 53	7 56	24 30	0 47	16 49	1 33	18 19	1 53	11 3	0 28	17 21	1 37	16 11	16 40	16 21	16 21	24 23			n.a.
S 12	16 37	27 44	4 14	21 32	1 26	4 55	8 5	24 30	0 48	16 52	1 33	18 20	1 53	11 3	0 28	17 21	1 37	16 9	16 40	16 21	16 22	24 25			n.a.
M13	16 20	27 8	3 29	21 13	1 32	4 57	8 13	24 30	0 48	16 54	1 33	18 22	1 53	11 3	0 28	17 21	1 37	16 8	16 39	16 21	16 23	24 26			n.a.
T 14	16 2	25 11	2 33	20 51	1 37	5 1	8 20	24 29	0 49	16 57	1 33	18 23	1 53	11 3	0 28	17 21	1 37	16 7	16 39	16 21	16 24	24 28			n.a.
W15	15 44	21 57	1 28	20 28	1 41	5 6	8 26	24 29	0 50	17 0	1 33	18 25	1 53	11 2	0 28	17 21	1 37	16 6	16 38	16 21	16 25	24 29			n.a.
T 16	15 26	17 35	0 18	20 2	1 45	5 12	8 32	24 28	0 50	17 2	1 33	18 26	1 53	11 2	0 28	17 21	1 37	16 5	16 38	16 21	16 26	24 30			n.a.
F 17	15 7	12 17	0s55	19 34	1 47	5 19	8 36	24 27	0 51	17 5	1 34	18 28	1 53	11 2	0 28	17 21	1 37	16 4	16 38	16 21	16 27	24 32			n.a.
S 18	14 49	6 20	2 6	19 4	1 49	5 27	8 40	24 26	0 52	17 7	1 34	18 29	1 53	11 2	0 28	17 21	1 37	16 3	16 37	16 21	16 28	24 33			n.a.
S 19	14 30	0s 0	3 11	18 32	1 50	5 36	8 43	24 25	0 53	17 10	1 34	18 30	1 53	11 2	0 28	17 21	1 37	16 2	16 37	16 21	16 29	24 35			n.a.
M20	14 11	6 25	4 6	17 58	1 50	5 45	8 45	24 23	0 53	17 12	1 34	18 32	1 53	11 2	0 28	17 21	1 37	16 0	16 37	16 21	16 30	24 36			n.a.
T 21	13 51	12 35	4 47	17 23	1 49	5 56	8 46	24 22	0 54	17 15	1 34	18 33	1 53	11 1	0 28	17 22	1 38	15 59	16 36	16 21	16 31	24 38			n.a.
W22	13 31	18 8	5 11	16 47	1 48	6 8	8 46	24 20	0 55	17 17	1 34	18 35	1 53	11 1	0 28	17 22	1 38	15 58	16 36	16 22	16 31	24 39			n.a.
T 23	13 11	22 44	5 16	16 9	1 47	6 20	8 45	24 18	0 55	17 20	1 34	18 36	1 53	11 1	0 28	17 22	1 38	15 57	16 36	16 22	16 32	24 41			n.a.
F 24	12 51	25 59	5 2	15 30	1 44	6 33	8 43	24 16	0 56	17 22	1 34	18 37	1 53	11 1	0 28	17 22	1 38	15 56	16 35	16 22	16 33	24 42			n.a.
S 25	12 31	27 35	4 29	14 50	1 42	6 46	8 41	24 14	0 57	17 25	1 34	18 39	1 53	11 0	0 28	17 22	1 38	15 55	16 35	16 22	16 34	24 43			n.a.
S 26	12 10	27 23	3 40	14 10	1 39	7 0	8 37	24 12	0 57	17 27	1 34	18 40	1 53	11 0	0 28	17 22	1 38	15 54	16 35	16 21	16 35	24 45			n.a.
M27	11 50	25 26	2 38	13 28	1 35	7 14	8 33	24 9	0 58	17 29	1 34	18 41	1 53	11 0	0 28	17 22	1 38	15 53	16 35	16 21	16 36	24 46			n.a.
T 28	11 29	21 56	1 28	12 46	1 31	7 28	8 27	24 6	0 59	17 32	1 34	18 43	1 54	10 59	0 28	17 22	1 38	15 51	16 34	16 21	16 37	24 48			n.a.
W29	11 8	17 16	0 13	12 4	1 27	7 43	8 21	24 4	1 0	17 34	1 34	18 44	1 54	10 59	0 28	17 22	1 38	15 50	16 34	16 21	16 38	24 49			n.a.
T 30	10 46	11 49	1n 1	11 20	1 22	7 58	8 14	24 1	1 0	17 36	1 34	18 45	1 54	10 59	0 28	17 22	1 38	15 49	16 34	16 21	16 39	24 50			n.a.
F 31	10n25	5s55	2n10	10n37	1n17	8n12	8s 7	23n57	1n 1	17s38	1s34	18s46	1s54	10n58	0s28	17n21	1s38	15n48	16n34	16s21	16s40	24n52			n.a.

Julian Day Number = 1632149.5, Delta T = 03h41m16s
Ecliptic obliquity = 23°43'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'40, Lahiri = - 7°19'39 Julian Calendar 1 Aug. 245 BCE == Greg. Calendar 28 July 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

SEPTEMBER 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 25 14	4♍17'48	22♓56	7♍45	16°R33	14♋56	16°R 8	13°R28	29°R25	23°R46	28♍21	15°R34	14♒29	28♉18	n.a.	S 1
S 2	22 29 11	5°16'57	5♈39	9°29	16♌11	15°32	16♒ 1	13♒23	29♈24	23♉46	28°23	15♒31	14°26	28°25	n.a.	S 2
M 3	22 33 8	6°16'08	18° 7	11°11	15°52	16° 8	15°54	13°19	29°23	23°46	28°25	15°28	14°23	28°31	n.a.	M 3
T 4	22 37 4	7°15'22	0♉20	12°53	15°35	16°44	15°47	13°15	29°22	23°46	28°27	15°25	14°20	28°38	n.a.	T 4
W 5	22 41 1	8°14'38	12°23	14°34	15°20	17°20	15°41	13°11	29°21	23°46	28°30	15°22	14°17	28°45	n.a.	W 5
T 6	22 44 57	9°13'56	24°19	16°14	15° 8	17°56	15°34	13° 7	29°19	23°46	28°32	15°20	14°14	28°51	n.a.	T 6
F 7	22 48 54	10°13'17	6♊11	17°53	14°58	18°33	15°27	13° 4	29°18	23°45	28°34	15°D19	14°10	28°58	n.a.	F 7
S 8	22 52 50	11°12'40	18° 5	19°32	14°51	19° 8	15°21	13° 0	29°16	23°45	28°37	15°19	14° 7	29° 5	n.a.	S 8
S 9	22 56 47	12°12'06	0♋ 5	21° 9	14°46	19°44	15°15	12°56	29°15	23°45	28°39	15°20	14° 4	29°12	n.a.	S 9
M10	23 0 43	13°11'34	12°16	22°47	14°D44	20°20	15° 8	12°52	29°14	23°45	28°41	15°22	14° 1	29°18	n.a.	M10
T 11	23 4 40	14°11'05	24°43	24°23	14°44	20°56	15° 2	12°49	29°12	23°44	28°44	15°24	13°58	29°25	n.a.	T 11
W12	23 8 37	15°10'37	7♌29	25°58	14°46	21°32	14°56	12°45	29°10	23°44	28°46	15°25	13°55	29°32	n.a.	W12
T 13	23 12 33	16°10'12	20°36	27°33	14°51	22° 7	14°51	12°42	29° 9	23°43	28°49	15°R25	13°51	29°38	n.a.	T 13
F 14	23 16 30	17° 9'50	4♍ 6	29° 7	14°58	22°43	14°45	12°38	29° 7	23°43	28°51	15°24	13°48	29°45	n.a.	F 14
S 15	23 20 26	18° 9'29	17°57	0♎41	15° 8	23°18	14°40	12°35	29° 5	23°43	28°53	15°21	13°45	29°52	n.a.	S 15
S 16	23 24 23	19° 9'11	2♎ 6	2°14	15°19	23°54	14°34	12°32	29° 4	23°42	28°56	15°16	13°42	29°59	n.a.	S 16
M17	23 28 19	20° 8'54	16°29	3°46	15°33	24°29	14°29	12°28	29° 2	23°41	28°58	15°11	13°39	0♊ 5	n.a.	M17
T 18	23 32 16	21° 8'40	0♏59	5°18	15°48	25° 4	14°24	12°25	29° 0	23°41	29° 1	15° 5	13°35	0°12	n.a.	T 18
W19	23 36 12	22° 8'27	15°30	6°49	16° 6	25°40	14°19	12°22	28°58	23°40	29° 3	15° 0	13°32	0°19	n.a.	W19
T 20	23 40 9	23° 8'17	29°57	8°19	16°25	26°15	14°15	12°19	28°56	23°40	29° 5	14°57	13°29	0°26	n.a.	T 20
F 21	23 44 5	24° 8'08	14♐15	9°49	16°47	26°50	14°10	12°17	28°55	23°39	29° 8	14°55	13°26	0°32	n.a.	F 21
S 22	23 48 2	25° 8'01	28°22	11°18	17°10	27°25	14° 6	12°14	28°53	23°38	29°10	14°D54	13°23	0°39	n.a.	S 22
S 23	23 51 59	26° 7'56	12♑16	12°46	17°35	28° 0	14° 2	12°11	28°51	23°38	29°13	14°55	13°20	0°46	n.a.	S 23
M24	23 55 55	27° 7'52	25°57	14°14	18° 2	28°35	13°58	12° 9	28°49	23°37	29°15	14°57	13°16	0°52	n.a.	M24
T 25	23 59 52	28° 7'50	9♒26	15°41	18°30	29° 9	13°54	12° 6	28°47	23°36	29°18	14°R58	13°13	0°59	n.a.	T 25
W26	0 3 48	29° 7'50	22°43	17° 7	19° 0	29°44	13°51	12° 4	28°44	23°35	29°20	14°57	13°10	1° 6	n.a.	W26
T 27	0 7 45	0♎ 7'52	5♓49	18°33	19°32	0♌19	13°48	12° 1	28°42	23°34	29°22	14°55	13° 7	1°13	n.a.	T 27
F 28	0 11 41	1° 7'55	18°43	19°58	20° 5	0°53	13°44	11°59	28°40	23°34	29°25	14°51	13° 4	1°19	n.a.	F 28
S 29	0 15 38	2° 8'00	1♈25	21°22	20°39	1°28	13°41	11°57	28°38	23°33	29°27	14°44	13° 0	1°26	n.a.	S 29
S 30	0 19 34	3♎ 8'08	13♈56	22♎45	21♌15	2♌ 2	13♒39	11♒55	28♈36	23♉32	29♍30	14♒36	12♒57	1♊33	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	10n 3	0n 5	3n11	9n53	1n12	8n27	7s59	23n54	1n 2	17s41	1s34	18s48	1s54	10n58	0s28	17n21	1s38	15n47	16n33	16s22	16s41	24n53		n.a.	
S 2	9 41	5 58	4 2	9 9	1 7	8 42	7 50	23 51	1 2	17 43	1 34	18 49	1 53	10 57	0 28	17 21	1 38	15 46	16 33	16 22	16 42	24 54		n.a.	
M 3	9 19	11 29	4 39	8 24	1 1	8 56	7 41	23 47	1 3	17 45	1 34	18 50	1 53	10 57	0 28	17 21	1 38	15 45	16 33	16 23	16 43	24 56		n.a.	
T 4	8 57	16 27	5 3	7 39	0 56	9 10	7 31	23 43	1 4	17 47	1 34	18 51	1 53	10 57	0 28	17 21	1 38	15 44	16 33	16 24	16 44	24 57		n.a.	
W 5	8 35	20 42	5 14	6 55	0 50	9 24	7 21	23 39	1 5	17 49	1 33	18 52	1 53	10 56	0 28	17 21	1 38	15 43	16 32	16 25	16 45	24 58		n.a.	
T 6	8 12	24 5	5 10	6 10	0 43	9 38	7 10	23 35	1 5	17 51	1 33	18 53	1 53	10 56	0 28	17 21	1 38	15 41	16 32	16 26	16 46	25 0		n.a.	
F 7	7 50	26 25	4 54	5 25	0 37	9 51	7 0	23 31	1 6	17 53	1 33	18 54	1 53	10 55	0 28	17 21	1 38	15 40	16 32	16 26	16 46	25 1		n.a.	
S 8	7 27	27 34	4 24	4 40	0 31	10 4	6 48	23 27	1 7	17 55	1 33	18 55	1 53	10 55	0 28	17 21	1 38	15 39	16 32	16 26	16 47	25 2		n.a.	
S 9	7 4	27 27	3 43	3 55	0 24	10 16	6 37	23 22	1 7	17 56	1 33	18 57	1 53	10 54	0 28	17 21	1 38	15 38	16 32	16 26	16 48	25 4		n.a.	
M10	6 41	26 0	2 52	3 10	0 18	10 28	6 26	23 17	1 8	17 58	1 33	18 58	1 53	10 53	0 28	17 21	1 39	15 37	16 32	16 25	16 49	25 5		n.a.	
T 11	6 18	23 15	1 51	2 26	0 11	10 39	6 14	23 13	1 9	18 0	1 33	18 59	1 53	10 53	0 28	17 20	1 39	15 36	16 31	16 25	16 50	25 6		n.a.	
W12	5 55	19 19	0 43	1 41	0 4	10 50	6 2	23 8	1 10	18 2	1 33	19 0	1 53	10 52	0 28	17 20	1 39	15 35	16 31	16 24	16 51	25 8		n.a.	
T 13	5 31	14 21	0s28	0 57	0s 3	11 0	5 50	23 3	1 10	18 3	1 33	19 1	1 53	10 52	0 28	17 20	1 39	15 34	16 31	16 24	16 52	25 9		n.a.	
F 14	5 8	8 34	1 40	0 12	0 9	11 9	5 38	22 57	1 11	18 5	1 33	19 1	1 53	10 51	0 28	17 20	1 39	15 33	16 31	16 25	16 53	25 10		n.a.	
S 15	4 44	2 15	2 48	0s31	0 16	11 18	5 26	22 52	1 12	18 6	1 33	19 2	1 53	10 51	0 28	17 20	1 39	15 32	16 31	16 26	16 54	25 11		n.a.	
S 16	4 21	4s19	3 47	1 15	0 23	11 26	5 14	22 47	1 13	18 8	1 32	19 3	1 53	10 50	0 28	17 20	1 39	15 31	16 31	16 27	16 55	25 13		n.a.	
M17	3 57	10 44	4 33	1 59	0 30	11 33	5 2	22 41	1 13	18 9	1 32	19 4	1 53	10 49	0 28	17 20	1 39	15 30	16 31	16 29	16 56	25 14		n.a.	
T 18	3 33	16 39	5 1	2 42	0 37	11 40	4 50	22 35	1 14	18 10	1 32	19 5	1 53	10 49	0 28	17 19	1 39	15 29	16 31	16 30	16 57	25 15		n.a.	
W19	3 9	21 37	5 10	3 24	0 44	11 46	4 39	22 30	1 15	18 12	1 32	19 6	1 53	10 48	0 28	17 19	1 39	15 27	16 30	16 32	16 58	25 16		n.a.	
T 20	2 45	25 16	5 0	4 7	0 51	11 52	4 27	22 24	1 16	18 13	1 32	19 6	1 53	10 47	0 28	17 19	1 39	15 26	16 30	16 33	16 58	25 18		n.a.	
F 21	2 21	27 16	4 31	4 49	0 58	11 56	4 15	22 17	1 16	18 14	1 32	19 7	1 53	10 47	0 28	17 19	1 39	15 25	16 30	16 33	16 59	25 19		n.a.	
S 22	1 57	27 29	3 46	5 30	1 4	12 0	4 4	22 11	1 17	18 15	1 31	19 8	1 53	10 46	0 28	17 19	1 39	15 24	16 30	16 34	17 0	25 20		n.a.	
S 23	1 33	25 56	2 48	6 11	1 11	12 4	3 52	22 5	1 18	18 16	1 31	19 9	1 53	10 45	0 28	17 18	1 39	15 23	16 30	16 33	17 1	25 21		n.a.	
M24	1 9	22 52	1 41	6 52	1 17	12 6	3 41	21 59	1 19	18 17	1 31	19 9	1 52	10 44	0 28	17 18	1 39	15 22	16 30	16 33	17 2	25 22		n.a.	
T 25	0 45	18 35	0 30	7 32	1 24	12 8	3 30	21 52	1 20	18 18	1 31	19 10	1 52	10 44	0 28	17 18	1 39	15 21	16 30	16 33	17 3	25 24		n.a.	
W26	0 21	13 27	0n42	8 11	1 30	12 10	3 19	21 45	1 20	18 19	1 31	19 11	1 52	10 43	0 28	17 18	1 39	15 20	16 30	16 33	17 4	25 25		n.a.	
T 27	0s 3	7 47	1 50	8 50	1 37	12 10	3 8	21 39	1 21	18 20	1 31	19 11	1 52	10 42	0 28	17 17	1 39	15 19	16 30	16 33	17 5	25 26		n.a.	
F 28	0 27	1 53	2 52	9 29	1 43	12 10	2 57	21 32	1 22	18 21	1 30	19 12	1 52	10 41	0 28	17 17	1 39	15 18	16 30	16 34	17 6	25 27		n.a.	
S 29	0 51	3n59	3 44	10 6	1 49	12 9	2 46	21 25	1 23	18 21	1 30	19 12	1 52	10 41	0 28	17 17	1 39	15 17	16 30	16 36	17 7	25 28		n.a.	
S 30	1s16	9n36	4n24	10s43	1s54	12n 8	2s36	21n18	1n23	18s22	1s30	19s13	1s52	10n40	0s28	17n17	1s39	15n17	16n30	16s39	17s 8	25n29		n.a.	

Julian Day Number = 1632180.5, Delta T = 03h41m15s
Ecliptic obliquity = 23°43'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'36, Lahiri = - 7°19'35 Julian Calendar 1 Sept. 245 BCE == Greg. Calendar 28 Aug. 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

OCTOBER 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 23 31	4♎ 8'17	26♈16	24♎ 8	21♌53	2♌36	13°R36	11°R53	28°R34	23°R31	29♍32	14°R27	12♒54	1♊39	n.a.	M 1
T 2	0 27 28	5° 8'28	8♉25	25°29	22°31	3°11	13♒34	11♒51	28♈31	23♉30	29°34	14♒17	12°51	1°46	n.a.	T 2
W 3	0 31 24	6° 8'42	20°25	26°50	23°11	3°45	13°32	11°49	28°29	23°29	29°37	14° 8	12°48	1°53	n.a.	W 3
T 4	0 35 21	7° 8'57	2♊19	28° 9	23°52	4°19	13°30	11°48	28°27	23°28	29°39	14° 0	12°45	2° 0	n.a.	T 4
F 5	0 39 17	8° 9'15	14°10	29°28	24°34	4°53	13°28	11°46	28°25	23°27	29°42	13°55	12°41	2° 6	n.a.	F 5
S 6	0 43 14	9° 9'35	26° 1	0♏45	25°17	5°27	13°26	11°45	28°22	23°25	29°44	13°51	12°38	2°13	n.a.	S 6
S 7	0 47 10	10° 9'57	7♋58	2° 0	26° 1	6° 1	13°25	11°43	28°20	23°24	29°47	13°D50	12°35	2°20	n.a.	S 7
M 8	0 51 7	11°10'20	20° 6	3°14	26°47	6°34	13°24	11°42	28°18	23°23	29°49	13°51	12°32	2°26	n.a.	M 8
T 9	0 55 3	12°10'46	2♌30	4°26	27°33	7° 8	13°23	11°41	28°15	23°22	29°51	13°52	12°29	2°33	n.a.	T 9
W10	0 59 0	13°11'14	15°14	5°36	28°20	7°42	13°22	11°40	28°13	23°21	29°54	13°R52	12°26	2°40	n.a.	W10
T 11	1 2 57	14°11'44	28°24	6°44	29° 8	8°15	13°22	11°39	28°10	23°20	29°56	13°51	12°22	2°47	n.a.	T 11
F 12	1 6 53	15°12'16	12♍ 1	7°49	29°57	8°48	13°21	11°38	28° 8	23°18	29°58	13°48	12°19	2°53	n.a.	F 12
S 13	1 10 50	16°12'50	26° 5	8°52	0♍47	9°22	13°D21	11°38	28° 6	23°17	0♎ 1	13°42	12°16	3° 0	n.a.	S 13
S 14	1 14 46	17°13'25	10♎34	9°51	1°38	9°55	13°21	11°37	28° 3	23°16	0° 3	13°33	12°13	3° 7	n.a.	S 14
M15	1 18 43	18°14'02	25°22	10°46	2°29	10°28	13°22	11°36	28° 1	23°14	0° 6	13°24	12°10	3°13	n.a.	M15
T 16	1 22 39	19°14'41	10♏20	11°38	3°21	11° 1	13°22	11°36	27°58	23°13	0° 8	13°13	12° 6	3°20	n.a.	T 16
W17	1 26 36	20°15'21	25°18	12°25	4°14	11°34	13°23	11°36	27°56	23°12	0°10	13° 3	12° 3	3°27	n.a.	W17
T 18	1 30 32	21°16'03	10♐ 8	13° 7	5° 8	12° 6	13°24	11°35	27°53	23°10	0°13	12°55	12° 0	3°34	n.a.	T 18
F 19	1 34 29	22°16'46	24°43	13°43	6° 2	12°39	13°25	11°D35	27°51	23° 9	0°15	12°50	11°57	3°40	n.a.	F 19
S 20	1 38 25	23°17'30	8♑58	14°12	6°57	13°12	13°26	11°35	27°48	23° 8	0°17	12°47	11°54	3°47	n.a.	S 20
S 21	1 42 22	24°18'15	22°52	14°34	7°53	13°44	13°28	11°36	27°46	23° 6	0°19	12°D46	11°51	3°54	n.a.	S 21
M22	1 46 19	25°19'02	6♒25	14°48	8°49	14°16	13°30	11°36	27°43	23° 5	0°22	12°R46	11°47	4° 0	n.a.	M22
T 23	1 50 15	26°19'49	19°41	14°R54	9°46	14°48	13°32	11°36	27°41	23° 3	0°24	12°46	11°44	4° 7	n.a.	T 23
W24	1 54 12	27°20'38	2♓40	14°50	10°43	15°21	13°34	11°37	27°38	23° 2	0°26	12°45	11°41	4°14	n.a.	W24
T 25	1 58 8	28°21'27	15°26	14°35	11°41	15°53	13°36	11°37	27°36	23° 0	0°28	12°41	11°38	4°21	n.a.	T 25
F 26	2 2 5	29°22'18	28° 1	14°10	12°39	16°24	13°39	11°38	27°33	22°59	0°31	12°34	11°35	4°27	n.a.	F 26
S 27	2 6 1	0♏23'10	10♈26	13°34	13°38	16°56	13°42	11°39	27°31	22°57	0°33	12°24	11°31	4°34	n.a.	S 27
S 28	2 9 58	1°24'03	22°43	12°48	14°38	17°28	13°45	11°39	27°28	22°56	0°35	12°11	11°28	4°41	n.a.	S 28
M29	2 13 54	2°24'58	4♉52	11°51	15°38	17°59	13°48	11°40	27°26	22°54	0°37	11°57	11°25	4°47	n.a.	M29
T 30	2 17 51	3°25'53	16°54	10°45	16°38	18°30	13°51	11°42	27°23	22°53	0°39	11°42	11°22	4°54	n.a.	T 30
W31	2 21 48	4♏26'50	28♉50	9♏31	17♍39	19♌ 2	13♒55	11♒43	27♈21	22♉51	0♎41	11♒28	11♒19	5♊ 1	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	1s40	14n46	4n51	11s19	2s 0	12n 5	2s26	21n11	1n24	18s22	1s30	19s13	1s52	10n39	0s28	17n16	1s39	15n16	16n30	16s42	17s 9	25n30			n.a.
T 2	2 4	19 16	5 4	11 55	2 5	12 2	2 16	21 3	1 25	18 23	1 30	19 14	1 52	10 38	0 28	17 16	1 39	15 15	16 30	16 45	17 9	25 32			n.a.
W 3	2 28	22 56	5 4	12 29	2 10	11 59	2 6	20 56	1 26	18 23	1 30	19 14	1 52	10 37	0 28	17 16	1 39	15 14	16 30	16 47	17 10	25 33			n.a.
T 4	2 52	25 37	4 51	13 3	2 15	11 54	1 56	20 49	1 27	18 24	1 29	19 14	1 52	10 37	0 28	17 15	1 39	15 13	16 30	16 49	17 11	25 34			n.a.
F 5	3 16	27 9	4 25	13 35	2 20	11 49	1 46	20 41	1 27	18 24	1 29	19 15	1 51	10 36	0 28	17 15	1 40	15 12	16 30	16 51	17 12	25 35			n.a.
S 6	3 40	27 27	3 47	14 7	2 24	11 44	1 37	20 34	1 28	18 24	1 29	19 15	1 51	10 35	0 28	17 15	1 40	15 11	16 30	16 52	17 13	25 36			n.a.
S 7	4 4	26 29	3 0	14 37	2 28	11 37	1 28	20 26	1 29	18 25	1 29	19 15	1 51	10 34	0 28	17 15	1 40	15 10	16 31	16 52	17 14	25 37			n.a.
M 8	4 28	24 14	2 4	15 7	2 32	11 30	1 19	20 18	1 30	18 25	1 29	19 16	1 51	10 33	0 28	17 14	1 40	15 9	16 31	16 52	17 15	25 38			n.a.
T 9	4 52	20 49	1 0	15 35	2 35	11 22	1 10	20 10	1 31	18 25	1 28	19 16	1 51	10 32	0 28	17 14	1 40	15 8	16 31	16 52	17 16	25 39			n.a.
W10	5 16	16 21	0s 7	16 1	2 38	11 14	1 1	20 2	1 32	18 25	1 28	19 16	1 51	10 32	0 28	17 14	1 40	15 8	16 31	16 52	17 17	25 40			n.a.
T 11	5 40	10 58	1 17	16 26	2 40	11 5	0 53	19 54	1 32	18 25	1 28	19 16	1 51	10 31	0 28	17 13	1 40	15 7	16 31	16 52	17 18	25 41			n.a.
F 12	6 3	4 55	2 24	16 49	2 41	10 56	0 45	19 46	1 33	18 25	1 28	19 16	1 51	10 30	0 28	17 13	1 40	15 6	16 31	16 53	17 19	25 43			n.a.
S 13	6 27	1s33	3 25	17 11	2 42	10 45	0 37	19 38	1 34	18 24	1 27	19 16	1 51	10 29	0 28	17 13	1 40	15 5	16 31	16 55	17 19	25 44			n.a.
S 14	6 51	8 7	4 14	17 31	2 43	10 34	0 29	19 30	1 35	18 24	1 27	19 16	1 50	10 28	0 28	17 12	1 40	15 4	16 31	16 57	17 20	25 45			n.a.
M15	7 14	14 23	4 48	17 48	2 43	10 23	0 21	19 22	1 36	18 24	1 27	19 16	1 50	10 27	0 28	17 12	1 40	15 3	16 32	17 0	17 21	25 46			n.a.
T 16	7 37	19 52	5 2	18 4	2 41	10 11	0 14	19 13	1 37	18 23	1 27	19 16	1 50	10 26	0 28	17 11	1 40	15 3	16 32	17 3	17 22	25 47			n.a.
W17	8 0	24 6	4 56	18 16	2 39	9 58	0 6	19 5	1 37	18 23	1 27	19 16	1 50	10 25	0 28	17 11	1 40	15 2	16 32	17 6	17 23	25 48			n.a.
T 18	8 24	26 40	4 29	18 27	2 37	9 45	0n 1	18 56	1 38	18 23	1 26	19 16	1 50	10 24	0 28	17 11	1 40	15 1	16 32	17 8	17 24	25 49			n.a.
F 19	8 46	27 23	3 46	18 34	2 32	9 32	0 8	18 48	1 39	18 22	1 26	19 16	1 50	10 24	0 28	17 10	1 40	15 0	16 32	17 10	17 25	25 50			n.a.
S 20	9 9	26 14	2 49	18 38	2 27	9 17	0 15	18 39	1 40	18 21	1 26	19 16	1 50	10 23	0 28	17 10	1 40	15 0	16 32	17 11	17 26	25 51			n.a.
S 21	9 32	23 28	1 44	18 38	2 21	9 3	0 21	18 31	1 41	18 21	1 26	19 16	1 50	10 22	0 28	17 10	1 40	14 59	16 33	17 11	17 27	25 52			n.a.
M22	9 54	19 26	0 34	18 35	2 13	8 47	0 28	18 22	1 42	18 20	1 25	19 16	1 49	10 21	0 28	17 9	1 40	14 58	16 33	17 11	17 27	25 53			n.a.
T 23	10 17	14 31	0n37	18 28	2 4	8 31	0 34	18 13	1 43	18 19	1 25	19 16	1 49	10 20	0 28	17 9	1 40	14 57	16 33	17 11	17 28	25 54			n.a.
W24	10 39	9 3	1 43	18 17	1 53	8 15	0 40	18 5	1 44	18 18	1 25	19 15	1 49	10 19	0 28	17 8	1 40	14 57	16 33	17 11	17 29	25 55			n.a.
T 25	11 1	3 18	2 44	18 0	1 41	7 58	0 46	17 56	1 45	18 17	1 25	19 15	1 49	10 18	0 28	17 8	1 40	14 56	16 34	17 12	17 30	25 56			n.a.
F 26	11 23	2n29	3 35	17 39	1 26	7 41	0 52	17 47	1 45	18 17	1 25	19 15	1 49	10 17	0 28	17 8	1 40	14 55	16 34	17 14	17 31	25 57			n.a.
S 27	11 45	8 5	4 15	17 14	1 11	7 23	0 57	17 38	1 46	18 16	1 24	19 14	1 49	10 16	0 28	17 7	1 40	14 55	16 34	17 17	17 32	25 58			n.a.
S 28	12 6	13 18	4 43	16 43	0 54	7 5	1 3	17 29	1 47	18 14	1 24	19 14	1 49	10 15	0 28	17 7	1 40	14 54	16 34	17 21	17 33	25 59			n.a.
M29	12 27	17 57	4 57	16 8	0 35	6 46	1 8	17 20	1 48	18 13	1 24	19 14	1 49	10 15	0 28	17 6	1 40	14 54	16 35	17 25	17 34	25 59			n.a.
T 30	12 48	21 50	4 58	15 28	0 15	6 27	1 13	17 11	1 49	18 12	1 24	19 13	1 48	10 14	0 28	17 6	1 40	14 53	16 35	17 29	17 35	26 0			n.a.
W31	13s 9	24n47	4n46	14s45	0n 5	6n 8	1n18	17n 2	1n50	18s11	1s23	19s13	1s48	10n13	0s28	17n 6	1s40	14n52	16n35	17s33	17s35	26n 1			n.a.

Julian Day Number = 1632210.5, Delta T = 03h41m14s
Ecliptic obliquity = 23°43'36, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'31, Lahiri = - 7°19'31 Julian Calendar 1 Oct. 245 BCE == Greg. Calendar 27 Sept. 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

NOVEMBER 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 25 44	5♏27'48	10♊41	8°R12	18♍40	19♌33	13♒58	11♒44	27°R18	22°R49	0♎43	11°R16	11♒16	5♊ 8	n.a.	T 1
F 2	2 29 41	6°28'47	22°31	6♏49	19°42	20° 4	14° 2	11°46	27♈16	22♉48	0°45	11♒ 6	11°12	5°14	n.a.	F 2
S 3	2 33 37	7°29'48	4♋21	5°27	20°44	20°34	14° 6	11°47	27°13	22°46	0°48	11° 0	11° 9	5°21	n.a.	S 3
S 4	2 37 34	8°30'50	16°16	4° 7	21°46	21° 5	14°11	11°49	27°11	22°44	0°50	10°56	11° 6	5°28	n.a.	S 4
M 5	2 41 30	9°31'53	28°21	2°52	22°49	21°36	14°15	11°50	27° 8	22°43	0°52	10°55	11° 3	5°34	n.a.	M 5
T 6	2 45 27	10°32'57	10♌40	1°45	23°52	22° 6	14°20	11°52	27° 6	22°41	0°54	10°54	11° 0	5°41	n.a.	T 6
W 7	2 49 24	11°34'03	23°19	0°47	24°56	22°36	14°25	11°54	27° 3	22°39	0°56	10°54	10°57	5°48	n.a.	W 7
T 8	2 53 20	12°35'10	6♍22	29♎59	26° 0	23° 6	14°30	11°56	27° 1	22°38	0°58	10°53	10°53	5°55	n.a.	T 8
F 9	2 57 17	13°36'17	19°55	29°22	27° 4	23°36	14°35	11°58	26°59	22°36	0°59	10°49	10°50	6° 1	n.a.	F 9
S 10	3 1 13	14°37'26	3♎58	28°57	28° 9	24° 6	14°40	12° 1	26°56	22°34	1° 1	10°43	10°47	6° 8	n.a.	S 10
S 11	3 5 10	15°38'36	18°30	28°43	29°13	24°35	14°46	12° 3	26°54	22°33	1° 3	10°34	10°44	6°15	n.a.	S 11
M12	3 9 6	16°39'46	3♏27	28°D40	0♏19	25° 5	14°52	12° 5	26°52	22°31	1° 5	10°23	10°41	6°21	n.a.	M12
T 13	3 13 3	17°40'58	18°39	28°46	1°24	25°34	14°58	12° 8	26°49	22°29	1° 7	10°11	10°37	6°28	n.a.	T 13
W14	3 16 59	18°42'10	3♐57	29° 2	2°30	26° 3	15° 4	12°11	26°47	22°28	1° 9	9°59	10°34	6°35	n.a.	W14
T 15	3 20 56	19°43'23	19° 9	29°27	3°36	26°32	15°10	12°13	26°45	22°26	1°11	9°50	10°31	6°41	n.a.	T 15
F 16	3 24 53	20°44'36	4♑ 4	29°59	4°42	27° 1	15°17	12°16	26°42	22°24	1°12	9°43	10°28	6°48	n.a.	F 16
S 17	3 28 49	21°45'50	18°36	0♏37	5°48	27°29	15°23	12°19	26°40	22°23	1°14	9°39	10°25	6°55	n.a.	S 17
S 18	3 32 46	22°47'04	2♒42	1°22	6°55	27°58	15°30	12°22	26°38	22°21	1°16	9°38	10°22	7° 2	n.a.	S 18
M19	3 36 42	23°48'18	16°21	2°12	8° 2	28°26	15°37	12°25	26°36	22°19	1°18	9°D38	10°18	7° 8	n.a.	M19
T 20	3 40 39	24°49'32	29°35	3° 7	9° 9	28°54	15°44	12°29	26°34	22°17	1°19	9°R38	10°15	7°15	n.a.	T 20
W21	3 44 35	25°50'46	12♓29	4° 6	10°17	29°21	15°51	12°32	26°32	22°16	1°21	9°37	10°12	7°22	n.a.	W21
T 22	3 48 32	26°52'00	25° 6	5° 9	11°24	29°49	15°59	12°35	26°30	22°14	1°22	9°33	10° 9	7°28	n.a.	T 22
F 23	3 52 28	27°53'14	7♈29	6°15	12°32	0♍16	16° 7	12°39	26°28	22°12	1°24	9°27	10° 6	7°35	n.a.	F 23
S 24	3 56 25	28°54'28	19°42	7°24	13°40	0°43	16°14	12°43	26°25	22°11	1°26	9°18	10° 3	7°42	n.a.	S 24
S 25	4 0 22	29°55'42	1♉47	8°35	14°48	1°10	16°22	12°46	26°24	22° 9	1°27	9° 7	9°59	7°49	n.a.	S 25
M26	4 4 18	0♐56'56	13°46	9°49	15°57	1°37	16°30	12°50	26°22	22° 7	1°29	8°54	9°56	7°55	n.a.	M26
T 27	4 8 15	1°58'11	25°42	11° 4	17° 5	2° 3	16°38	12°54	26°20	22° 6	1°30	8°40	9°53	8° 2	n.a.	T 27
W28	4 12 11	2°59'25	7♊34	12°21	18°14	2°30	16°47	12°58	26°18	22° 4	1°31	8°27	9°50	8° 9	n.a.	W28
T 29	4 16 8	4° 0'40	19°25	13°40	19°23	2°56	16°55	13° 2	26°16	22° 2	1°33	8°16	9°47	8°15	n.a.	T 29
F 30	4 20 4	5♐ 1'55	1♋16	15♏ 0	20♎32	3♍21	17♒ 4	13♒ 6	26♈14	22♉ 1	1♎34	8♒ 7	9♒43	8♊22	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13 s30	26n38	4n22	14 s 0	0n25	5n48	1n23	16n53	1n51	18 s10	1 s23	19 s12	1 s48	10n12	0 s28	17n 5	1 s40	14n52	16n35	17 s36	17 s36	26n 2		n.a.
F 2	13 50	27 16	3 46	13 14	0 46	5 28	1 27	16 44	1 52	18 8	1 23	19 12	1 48	10 11	0 28	17 5	1 40	14 51	16 36	17 39	17 37	26 3		n.a.
S 3	14 11	26 39	3 0	12 28	1 6	5 7	1 31	16 35	1 53	18 7	1 23	19 11	1 48	10 10	0 28	17 4	1 40	14 51	16 36	17 41	17 38	26 4		n.a.
S 4	14 31	24 49	2 6	11 43	1 24	4 46	1 36	16 26	1 54	18 5	1 23	19 11	1 48	10 9	0 28	17 4	1 40	14 50	16 36	17 42	17 39	26 5		n.a.
M 5	14 50	21 49	1 6	11 2	1 41	4 24	1 40	16 17	1 55	18 4	1 22	19 10	1 48	10 8	0 28	17 3	1 40	14 50	16 37	17 42	17 40	26 6		n.a.
T 6	15 10	17 47	0 1	10 24	1 56	4 3	1 44	16 8	1 56	18 2	1 22	19 9	1 48	10 7	0 28	17 3	1 40	14 49	16 37	17 42	17 41	26 7		n.a.
W 7	15 29	12 53	1 s 5	9 52	2 10	3 41	1 47	15 59	1 57	18 0	1 22	19 9	1 47	10 7	0 28	17 3	1 40	14 49	16 37	17 42	17 42	26 8		n.a.
T 8	15 48	7 16	2 10	9 25	2 20	3 18	1 51	15 50	1 58	17 59	1 22	19 8	1 47	10 6	0 28	17 2	1 40	14 48	16 38	17 43	17 43	26 8		n.a.
F 9	16 7	1 8	3 10	9 4	2 29	2 55	1 54	15 41	1 59	17 57	1 21	19 7	1 47	10 5	0 28	17 2	1 40	14 48	16 38	17 44	17 43	26 9		n.a.
S 10	16 25	5 s16	4 1	8 48	2 36	2 32	1 57	15 32	2 0	17 55	1 21	19 6	1 47	10 4	0 28	17 1	1 40	14 47	16 38	17 45	17 44	26 10		n.a.
S 11	16 43	11 37	4 38	8 39	2 41	2 9	2 1	15 23	2 1	17 53	1 21	19 6	1 47	10 3	0 28	17 1	1 40	14 47	16 39	17 48	17 45	26 11		n.a.
M12	17 1	17 28	4 58	8 35	2 44	1 46	2 3	15 13	2 2	17 51	1 21	19 5	1 47	10 2	0 28	17 0	1 40	14 47	16 39	17 51	17 46	26 12		n.a.
T 13	17 19	22 20	4 57	8 36	2 45	1 22	2 6	15 4	2 3	17 49	1 21	19 4	1 47	10 2	0 28	17 0	1 40	14 46	16 40	17 54	17 47	26 13		n.a.
W14	17 36	25 41	4 35	8 42	2 45	0 58	2 9	14 55	2 4	17 47	1 20	19 3	1 47	10 1	0 28	17 0	1 40	14 46	16 40	17 57	17 48	26 13		n.a.
T 15	17 53	27 9	3 53	8 51	2 44	0 34	2 11	14 46	2 5	17 45	1 20	19 2	1 46	10 0	0 28	16 59	1 40	14 46	16 40	18 0	17 49	26 14		n.a.
F 16	18 9	26 36	2 56	9 5	2 41	0 9	2 14	14 37	2 6	17 43	1 20	19 1	1 46	9 59	0 28	16 59	1 40	14 45	16 41	18 2	17 50	26 15		n.a.
S 17	18 25	24 13	1 49	9 22	2 38	0 s15	2 16	14 28	2 7	17 41	1 20	19 0	1 46	9 58	0 28	16 58	1 40	14 45	16 41	18 3	17 50	26 16		n.a.
S 18	18 41	20 23	0 37	9 41	2 34	0 40	2 18	14 19	2 8	17 39	1 20	18 59	1 46	9 58	0 28	16 58	1 40	14 45	16 42	18 3	17 51	26 17		n.a.
M19	18 57	15 34	0n35	10 3	2 29	1 5	2 20	14 11	2 9	17 36	1 19	18 58	1 46	9 57	0 28	16 57	1 40	14 44	16 42	18 3	17 52	26 17		n.a.
T 20	19 12	10 8	1 44	10 27	2 24	1 30	2 22	14 2	2 10	17 34	1 19	18 57	1 46	9 56	0 28	16 57	1 40	14 44	16 42	18 3	17 53	26 18		n.a.
W21	19 27	4 25	2 45	10 53	2 18	1 56	2 23	13 53	2 11	17 32	1 19	18 56	1 46	9 55	0 28	16 57	1 40	14 44	16 43	18 3	17 54	26 19		n.a.
T 22	19 41	1n20	3 36	11 20	2 12	2 21	2 25	13 44	2 12	17 29	1 19	18 55	1 46	9 55	0 28	16 56	1 40	14 44	16 43	18 4	17 55	26 20		n.a.
F 23	19 56	6 55	4 16	11 48	2 5	2 46	2 26	13 35	2 14	17 27	1 19	18 54	1 45	9 54	0 28	16 56	1 40	14 43	16 44	18 6	17 56	26 20		n.a.
S 24	20 9	12 10	4 44	12 17	1 58	3 12	2 27	13 27	2 15	17 24	1 18	18 53	1 45	9 53	0 28	16 55	1 40	14 43	16 44	18 8	17 56	26 21		n.a.
S 25	20 23	16 54	4 59	12 47	1 51	3 38	2 28	13 18	2 16	17 22	1 18	18 52	1 45	9 52	0 28	16 55	1 40	14 43	16 45	18 12	17 57	26 22		n.a.
M26	20 36	20 55	5 0	13 18	1 44	4 3	2 29	13 9	2 17	17 19	1 18	18 50	1 45	9 52	0 28	16 54	1 40	14 43	16 45	18 15	17 58	26 23		n.a.
T 27	20 48	24 4	4 48	13 48	1 36	4 29	2 30	13 1	2 18	17 16	1 18	18 49	1 45	9 51	0 28	16 54	1 40	14 43	16 46	18 19	17 59	26 23		n.a.
W28	21 0	26 10	4 24	14 20	1 28	4 55	2 31	12 52	2 19	17 14	1 18	18 48	1 45	9 50	0 28	16 54	1 40	14 42	16 46	18 22	18 0	26 24		n.a.
T 29	21 12	27 5	3 48	14 51	1 21	5 21	2 31	12 44	2 20	17 11	1 17	18 47	1 45	9 50	0 28	16 53	1 40	14 42	16 47	18 25	18 1	26 25		n.a.
F 30	21 s24	26n46	3n 2	15 s22	1n13	5 s47	2n31	12n35	2n22	17 s 8	1 s17	18 s45	1 s45	9n49	0 s28	16n53	1 s40	14n42	16n47	18 s27	18 s 2	26n25		n.a.

Julian Day Number = 1632241.5, Delta T = 03h41m13s
Ecliptic obliquity = 23°43'36, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'27, Lahiri = - 7°19'27 Julian Calendar 1 Nov. 245 BCE == Greg. Calendar 28 Oct. 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 245 BCE
geocentric

DECEMBER 245 BCE (-244) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 24 1	6♐ 3'10	13♋10	16♏21	21♎41	3♍47	17♒13	13♒10	26°R12	21°R59	1♎36	8°R 1	9♒40	8♊29	n.a.	S 1
S 2	4 27 58	7° 4'25	25° 8	17°44	22°51	4°12	17°22	13°15	26♈11	21♉57	1°37	7♒58	9°37	8°36	n.a.	S 2
M 3	4 31 54	8° 5'40	7♌14	19° 7	24° 0	4°37	17°31	13°19	26° 9	21°56	1°38	7°D57	9°34	8°42	n.a.	M 3
T 4	4 35 51	9° 6'55	19°33	20°31	25°10	5° 2	17°40	13°24	26° 7	21°54	1°39	7°57	9°31	8°49	n.a.	T 4
W 5	4 39 47	10° 8'10	2♍ 9	21°56	26°20	5°27	17°49	13°28	26° 6	21°52	1°41	7°58	9°28	8°56	n.a.	W 5
T 6	4 43 44	11° 9'25	15° 6	23°22	27°30	5°51	17°59	13°33	26° 4	21°51	1°42	7°R58	9°24	9° 2	n.a.	T 6
F 7	4 47 40	12°10'41	28°30	24°49	28°40	6°15	18° 8	13°38	26° 2	21°49	1°43	7°57	9°21	9° 9	n.a.	F 7
S 8	4 51 37	13°11'56	12♎21	26°16	29°50	6°38	18°18	13°42	26° 1	21°48	1°44	7°53	9°18	9°16	n.a.	S 8
S 9	4 55 33	14°13'11	26°42	27°44	1♏ 0	7° 2	18°28	13°47	26° 0	21°46	1°45	7°48	9°15	9°22	n.a.	S 9
M10	4 59 30	15°14'26	11♏29	29°12	2°11	7°25	18°38	13°52	25°58	21°45	1°46	7°40	9°12	9°29	n.a.	M10
T 11	5 3 27	16°15'41	26°36	0♐41	3°21	7°48	18°48	13°57	25°57	21°43	1°47	7°32	9° 9	9°36	n.a.	T 11
W12	5 7 23	17°16'56	11♐55	2°11	4°32	8°10	18°58	14° 2	25°55	21°42	1°48	7°24	9° 5	9°43	n.a.	W12
T 13	5 11 20	18°18'10	27°12	3°41	5°43	8°32	19° 8	14° 8	25°54	21°40	1°49	7°17	9° 2	9°49	n.a.	T 13
F 14	5 15 16	19°19'24	12♑19	5°11	6°54	8°54	19°19	14°13	25°53	21°39	1°50	7°12	8°59	9°56	n.a.	F 14
S 15	5 19 13	20°20'37	27° 5	6°43	8° 5	9°15	19°29	14°18	25°52	21°37	1°51	7°10	8°56	10° 3	n.a.	S 15
S 16	5 23 9	21°21'49	11♒25	8°14	9°16	9°36	19°40	14°24	25°51	21°36	1°52	7°D 9	8°53	10° 9	n.a.	S 16
M17	5 27 6	22°23'00	25°17	9°46	10°27	9°57	19°51	14°29	25°50	21°34	1°53	7°10	8°49	10°16	n.a.	M17
T 18	5 31 2	23°24'11	8♓41	11°19	11°38	10°18	20° 2	14°35	25°48	21°33	1°53	7°12	8°46	10°23	n.a.	T 18
W19	5 34 59	24°25'20	21°40	12°52	12°50	10°38	20°13	14°40	25°47	21°31	1°54	7°R13	8°43	10°30	n.a.	W19
T 20	5 38 56	25°26'28	4♈18	14°26	14° 1	10°57	20°24	14°46	25°47	21°30	1°55	7°12	8°40	10°36	n.a.	T 20
F 21	5 42 52	26°27'35	16°38	16° 1	15°12	11°17	20°35	14°52	25°46	21°29	1°55	7°10	8°37	10°43	n.a.	F 21
S 22	5 46 49	27°28'41	28°46	17°35	16°24	11°35	20°46	14°57	25°45	21°27	1°56	7° 6	8°34	10°50	n.a.	S 22
S 23	5 50 45	28°29'45	10♉45	19°11	17°36	11°54	20°58	15° 3	25°44	21°26	1°57	7° 0	8°30	10°56	n.a.	S 23
M24	5 54 42	29°30'49	22°39	20°47	18°47	12°12	21° 9	15° 9	25°43	21°25	1°57	6°53	8°27	11° 3	n.a.	M24
T 25	5 58 38	0♑31'52	4♊30	22°24	19°59	12°30	21°21	15°15	25°43	21°24	1°58	6°46	8°24	11°10	n.a.	T 25
W26	6 2 35	1°32'54	16°21	24° 1	21°11	12°47	21°33	15°21	25°42	21°22	1°58	6°39	8°21	11°16	n.a.	W26
T 27	6 6 32	2°33'54	28°14	25°39	22°23	13° 4	21°44	15°27	25°41	21°21	1°59	6°33	8°18	11°23	n.a.	T 27
F 28	6 10 28	3°34'54	10♋10	27°17	23°35	13°20	21°56	15°34	25°41	21°20	1°59	6°29	8°15	11°30	n.a.	F 28
S 29	6 14 25	4°35'52	22°11	28°57	24°47	13°36	22° 8	15°40	25°40	21°19	1°59	6°26	8°11	11°37	n.a.	S 29
S 30	6 18 21	5°36'49	4♌19	0♑37	25°59	13°52	22°20	15°46	25°40	21°18	2° 0	6°D25	8° 8	11°43	n.a.	S 30
M31	6 22 18	6♑37'46	16♌36	2♑17	27♏11	14♍ 7	22♒32	15♒52	25♈39	21♉17	2♎ 0	6♒25	8♒ 5	11♊50	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s35	25n12	2n 8	15s53	1n 5	6s12	2n32	12n27	2n23	17s 5	1s17	18s44	1s45	9n48	0s28	16n52	1s40	14n42	16n48	18s29	18s 3	26n26		n.a.
S 2	21 45	22 29	1 8	16 24	0 57	6 38	2 32	12 19	2 24	17 2	1 17	18 43	1 44	9 48	0 28	16 52	1 40	14 42	16 48	18 30	18 3	26 27		n.a.
M 3	21 55	18 45	0 4	16 55	0 50	7 4	2 32	12 11	2 25	16 59	1 17	18 41	1 44	9 47	0 28	16 52	1 40	14 42	16 49	18 30	18 4	26 27		n.a.
T 4	22 5	14 9	1s 2	17 25	0 42	7 30	2 32	12 2	2 26	16 56	1 17	18 40	1 44	9 47	0 28	16 51	1 40	14 42	16 49	18 30	18 5	26 28		n.a.
W 5	22 14	8 53	2 6	17 55	0 34	7 56	2 32	11 54	2 27	16 53	1 16	18 38	1 44	9 46	0 28	16 51	1 40	14 42	16 50	18 30	18 6	26 29		n.a.
T 6	22 23	3 5	3 5	18 24	0 27	8 21	2 31	11 47	2 29	16 50	1 16	18 37	1 44	9 45	0 28	16 50	1 40	14 42	16 50	18 30	18 7	26 29		n.a.
F 7	22 31	3s 1	3 57	18 53	0 19	8 47	2 31	11 39	2 30	16 47	1 16	18 35	1 44	9 45	0 27	16 50	1 40	14 42	16 51	18 30	18 8	26 30		n.a.
S 8	22 39	9 10	4 37	19 22	0 12	9 12	2 30	11 31	2 31	16 44	1 16	18 34	1 44	9 44	0 27	16 50	1 40	14 42	16 51	18 31	18 8	26 31		n.a.
S 9	22 47	15 4	5 1	19 49	0 4	9 38	2 30	11 23	2 32	16 40	1 16	18 32	1 44	9 44	0 27	16 49	1 40	14 42	16 52	18 32	18 9	26 31		n.a.
M10	22 54	20 17	5 6	20 16	0s 3	10 3	2 29	11 16	2 34	16 37	1 16	18 31	1 44	9 43	0 27	16 49	1 40	14 42	16 52	18 34	18 10	26 32		n.a.
T 11	23 0	24 19	4 50	20 42	0 10	10 28	2 28	11 8	2 35	16 34	1 15	18 29	1 44	9 43	0 27	16 48	1 40	14 42	16 53	18 37	18 11	26 32		n.a.
W12	23 7	26 40	4 13	21 8	0 17	10 53	2 27	11 1	2 36	16 30	1 15	18 28	1 44	9 42	0 27	16 48	1 40	14 42	16 53	18 39	18 12	26 33		n.a.
T 13	23 12	27 0	3 18	21 32	0 24	11 17	2 26	10 54	2 38	16 27	1 15	18 26	1 43	9 42	0 27	16 48	1 40	14 42	16 54	18 40	18 13	26 34		n.a.
F 14	23 17	25 18	2 10	21 56	0 31	11 42	2 25	10 47	2 39	16 23	1 15	18 24	1 43	9 42	0 27	16 47	1 40	14 43	16 54	18 42	18 14	26 34		n.a.
S 15	23 22	21 53	0 54	22 18	0 37	12 6	2 24	10 40	2 40	16 20	1 15	18 23	1 43	9 41	0 27	16 47	1 40	14 43	16 55	18 42	18 14	26 35		n.a.
S 16	23 26	17 12	0n23	22 40	0 44	12 30	2 22	10 33	2 41	16 16	1 15	18 21	1 43	9 41	0 27	16 47	1 40	14 43	16 56	18 42	18 15	26 35		n.a.
M17	23 30	11 44	1 36	23 0	0 50	12 54	2 21	10 26	2 43	16 13	1 14	18 19	1 43	9 40	0 27	16 46	1 39	14 43	16 56	18 42	18 16	26 36		n.a.
T 18	23 34	5 54	2 42	23 20	0 56	13 18	2 19	10 19	2 44	16 9	1 14	18 18	1 43	9 40	0 27	16 46	1 39	14 43	16 57	18 42	18 17	26 37		n.a.
W19	23 36	0 1	3 37	23 38	1 2	13 41	2 18	10 13	2 46	16 6	1 14	18 16	1 43	9 40	0 27	16 46	1 39	14 43	16 57	18 41	18 18	26 37		n.a.
T 20	23 39	5n42	4 20	23 55	1 7	14 4	2 16	10 7	2 47	16 2	1 14	18 14	1 43	9 39	0 27	16 45	1 39	14 44	16 58	18 42	18 19	26 38		n.a.
F 21	23 41	11 4	4 50	24 11	1 13	14 27	2 14	10 1	2 48	15 58	1 14	18 12	1 43	9 39	0 27	16 45	1 39	14 44	16 58	18 42	18 19	26 38		n.a.
S 22	23 42	15 56	5 7	24 26	1 18	14 50	2 13	9 55	2 50	15 54	1 14	18 11	1 43	9 39	0 27	16 45	1 39	14 44	16 59	18 43	18 20	26 39		n.a.
S 23	23 43	20 7	5 9	24 40	1 23	15 12	2 11	9 49	2 51	15 50	1 14	18 9	1 43	9 39	0 27	16 45	1 39	14 44	16 59	18 45	18 21	26 39		n.a.
M24	23 44	23 27	4 58	24 52	1 28	15 34	2 9	9 43	2 52	15 47	1 13	18 7	1 43	9 38	0 27	16 44	1 39	14 45	17 0	18 46	18 22	26 40		n.a.
T 25	23 43	25 48	4 35	25 2	1 32	15 55	2 7	9 37	2 54	15 43	1 13	18 5	1 43	9 38	0 27	16 44	1 39	14 45	17 1	18 48	18 23	26 40		n.a.
W26	23 43	26 59	3 59	25 12	1 36	16 16	2 4	9 32	2 55	15 39	1 13	18 3	1 43	9 38	0 27	16 44	1 39	14 45	17 1	18 50	18 24	26 41		n.a.
T 27	23 42	26 56	3 13	25 20	1 40	16 37	2 2	9 27	2 57	15 35	1 13	18 1	1 42	9 38	0 27	16 43	1 39	14 46	17 2	18 52	18 25	26 41		n.a.
F 28	23 41	25 38	2 18	25 26	1 44	16 57	2 0	9 22	2 58	15 31	1 13	17 59	1 42	9 37	0 27	16 43	1 39	14 46	17 2	18 53	18 25	26 42		n.a.
S 29	23 39	23 8	1 17	25 31	1 47	17 17	1 58	9 17	3 0	15 27	1 13	17 58	1 42	9 37	0 27	16 43	1 39	14 46	17 3	18 53	18 26	26 42		n.a.
S 30	23 36	19 36	0 11	25 34	1 50	17 37	1 55	9 12	3 1	15 23	1 13	17 56	1 42	9 37	0 27	16 43	1 39	14 47	17 3	18 54	18 27	26 43		n.a.
M31	23s33	15n10	0s56	25s35	1s53	17s56	1n53	9n 7	3n 2	15s18	1s13	17s54	1s42	9n37	0s27	16n42	1s39	14n47	17n 4	18s54	18s28	26n43		n.a.

Julian Day Number = 1632271.5, Delta T = 03h41m12s
Ecliptic obliquity = 23°43'35, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'23, Lahiri = - 7°19'23 Julian Calendar 1 Dec. 245 BCE == Greg. Calendar 27 Nov. 245 BCE

The year -244 astronomical counting style corresponds to year 245 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

JANUARY 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 26 14	7♉38'41	29♌ 4	3♉58	28♏23	14♍21	22♒45	15♒59	25°R39	21°R16	2♎ 0	6♒27	8♒ 2	11♊57	n.a.	T 1
W 2	6 30 11	8°39'35	11♍46	5°40	29°35	14°35	22°57	16° 5	25♈39	21♉15	2° 1	6°28	7°59	12° 3	n.a.	W 2
T 3	6 34 7	9°40'28	24°46	7°23	0♐48	14°49	23° 9	16°12	25°39	21°14	2° 1	6°30	7°55	12°10	n.a.	T 3
F 4	6 38 4	10°41'20	8♎ 6	9° 7	2° 0	15° 2	23°22	16°18	25°38	21°13	2° 1	6°R31	7°52	12°17	n.a.	F 4
S 5	6 42 1	11°42'12	21°48	10°51	3°12	15°14	23°34	16°25	25°38	21°12	2° 1	6°30	7°49	12°23	n.a.	S 5
S 6	6 45 57	12°43'02	5♏54	12°36	4°25	15°26	23°47	16°31	25°38	21°11	2° 1	6°29	7°46	12°30	n.a.	S 6
M 7	6 49 54	13°43'51	20°22	14°21	5°37	15°38	24° 0	16°38	25°D38	21°10	2° 1	6°26	7°43	12°37	n.a.	M 7
T 8	6 53 50	14°44'39	5♐ 9	16° 8	6°50	15°49	24°12	16°45	25°38	21° 9	2°R 1	6°23	7°40	12°44	n.a.	T 8
W 9	6 57 47	15°45'26	20° 8	17°55	8° 2	15°59	24°25	16°51	25°38	21° 8	2° 1	6°20	7°36	12°50	n.a.	W 9
T 10	7 1 43	16°46'12	5♉12	19°43	9°15	16° 9	24°38	16°58	25°39	21° 7	2° 1	6°18	7°33	12°57	n.a.	T 10
F 11	7 5 40	17°46'56	20°10	21°31	10°28	16°18	24°51	17° 5	25°39	21° 6	2° 1	6°16	7°30	13° 4	n.a.	F 11
S 12	7 9 36	18°47'38	4♒56	23°20	11°40	16°26	25° 4	17°12	25°39	21° 6	2° 1	6°D16	7°27	13°10	n.a.	S 12
S 13	7 13 33	19°48'19	19°21	25°10	12°53	16°34	25°17	17°19	25°39	21° 5	2° 1	6°16	7°24	13°17	n.a.	S 13
M14	7 17 30	20°48'58	3♓21	27° 0	14° 6	16°41	25°30	17°26	25°40	21° 4	2° 0	6°17	7°21	13°24	n.a.	M14
T 15	7 21 26	21°49'36	16°54	28°51	15°18	16°48	25°44	17°33	25°40	21° 4	2° 0	6°18	7°17	13°30	n.a.	T 15
W16	7 25 23	22°50'11	0♈ 2	0♒41	16°31	16°54	25°57	17°40	25°40	21° 3	2° 0	6°20	7°14	13°37	n.a.	W16
T 17	7 29 19	23°50'44	12°46	2°32	17°44	16°59	26°10	17°47	25°41	21° 2	2° 0	6°20	7°11	13°44	n.a.	T 17
F 18	7 33 16	24°51'16	25°11	4°23	18°57	17° 4	26°23	17°54	25°42	21° 2	1°59	6°R21	7° 8	13°51	n.a.	F 18
S 19	7 37 12	25°51'45	7♉21	6°13	20°10	17° 8	26°37	18° 1	25°42	21° 1	1°59	6°20	7° 5	13°57	n.a.	S 19
S 20	7 41 9	26°52'13	19°19	8° 3	21°23	17°11	26°50	18° 8	25°43	21° 1	1°58	6°20	7° 1	14° 4	n.a.	S 20
M21	7 45 5	27°52'38	1♊11	9°53	22°35	17°13	27° 4	18°15	25°44	21° 0	1°58	6°19	6°58	14°11	n.a.	M21
T 22	7 49 2	28°53'02	13° 1	11°41	23°48	17°15	27°18	18°22	25°44	21° 0	1°58	6°17	6°55	14°17	n.a.	T 22
W23	7 52 59	29°53'24	24°53	13°27	25° 1	17°16	27°31	18°30	25°45	20°59	1°57	6°16	6°52	14°24	n.a.	W23
T 24	7 56 55	0♒53'43	6♋49	15°12	26°14	17°R17	27°45	18°37	25°46	20°59	1°56	6°16	6°49	14°31	n.a.	T 24
F 25	8 0 52	1°54'01	18°51	16°54	27°27	17°17	27°59	18°44	25°47	20°59	1°56	6°15	6°46	14°37	n.a.	F 25
S 26	8 4 48	2°54'17	1♌ 3	18°34	28°40	17°16	28°12	18°51	25°48	20°58	1°55	6°D15	6°42	14°44	n.a.	S 26
S 27	8 8 45	3°54'31	13°26	20°10	29°53	17°14	28°26	18°59	25°49	20°58	1°55	6°15	6°39	14°51	n.a.	S 27
M28	8 12 41	4°54'43	26° 0	21°42	1♉ 6	17°11	28°40	19° 6	25°50	20°58	1°54	6°15	6°36	14°57	n.a.	M28
T 29	8 16 38	5°54'53	8♍46	23°10	2°19	17° 8	28°54	19°13	25°51	20°58	1°53	6°R15	6°33	15° 4	n.a.	T 29
W30	8 20 34	6°55'01	21°46	24°33	3°32	17° 4	29° 8	19°21	25°52	20°57	1°52	6°15	6°30	15°11	n.a.	W30
T 31	8 24 31	7♒55'07	5♎ 0	25♒50	4♉45	16♍59	29♒22	19♒28	25♈54	20♉57	1♎52	6♒15	6♒27	15♊18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23s30	10n 3	2s 1	25s35	1s55	18s15	1n50	9n 3	3n 4	15s14	1s13	17s52	1s42	9n37	0s27	16n42	1s39	14n48	17n 5	18s53	18s29	26n44			n.a.
W 2	23 26	4 26	3 2	25 34	1 57	18 33	1 48	8 59	3 5	15 10	1 12	17 50	1 42	9 37	0 27	16 42	1 39	14 48	17 5	18 53	18 29	26 44			n.a.
T 3	23 22	1s29	3 55	25 30	1 59	18 51	1 45	8 55	3 7	15 6	1 12	17 48	1 42	9 37	0 27	16 42	1 39	14 49	17 6	18 52	18 30	26 44			n.a.
F 4	23 17	7 29	4 37	25 25	2 0	19 8	1 42	8 51	3 8	15 2	1 12	17 46	1 42	9 37	0 27	16 41	1 39	14 49	17 6	18 52	18 31	26 45			n.a.
S 5	23 12	13 17	5 4	25 17	2 1	19 25	1 40	8 48	3 10	14 57	1 12	17 44	1 42	9 37	0 27	16 41	1 39	14 49	17 7	18 52	18 32	26 45			n.a.
S 6	23 7	18 35	5 15	25 8	2 2	19 42	1 37	8 44	3 11	14 53	1 12	17 41	1 42	9 37	0 27	16 41	1 39	14 50	17 7	18 53	18 33	26 46			n.a.
M 7	23 1	22 57	5 5	24 57	2 2	19 58	1 34	8 41	3 13	14 49	1 12	17 39	1 42	9 37	0 27	16 41	1 39	14 50	17 8	18 53	18 34	26 46			n.a.
T 8	22 54	25 56	4 36	24 44	2 1	20 13	1 31	8 38	3 14	14 44	1 12	17 37	1 42	9 37	0 27	16 41	1 38	14 51	17 8	18 54	18 34	26 46			n.a.
W 9	22 47	27 8	3 48	24 30	2 0	20 28	1 28	8 36	3 16	14 40	1 12	17 35	1 42	9 37	0 27	16 41	1 38	14 51	17 9	18 55	18 35	26 47			n.a.
T 10	22 40	26 20	2 43	24 13	1 58	20 42	1 25	8 33	3 17	14 35	1 12	17 33	1 42	9 37	0 26	16 40	1 38	14 52	17 10	18 55	18 36	26 47			n.a.
F 11	22 32	23 38	1 28	23 54	1 56	20 56	1 22	8 31	3 19	14 31	1 12	17 31	1 42	9 37	0 26	16 40	1 38	14 53	17 10	18 56	18 37	26 48			n.a.
S 12	22 23	19 23	0 7	23 33	1 54	21 9	1 19	8 29	3 20	14 26	1 11	17 29	1 42	9 37	0 26	16 40	1 38	14 53	17 11	18 56	18 38	26 48			n.a.
S 13	22 15	14 4	1n12	23 10	1 51	21 21	1 16	8 27	3 22	14 22	1 11	17 27	1 42	9 37	0 26	16 40	1 38	14 54	17 11	18 56	18 39	26 48			n.a.
M14	22 6	8 10	2 24	22 45	1 47	21 33	1 13	8 26	3 23	14 17	1 11	17 24	1 42	9 38	0 26	16 40	1 38	14 54	17 12	18 56	18 39	26 49			n.a.
T 15	21 56	2 4	3 26	22 19	1 43	21 44	1 10	8 25	3 25	14 13	1 11	17 22	1 42	9 38	0 26	16 40	1 38	14 55	17 12	18 55	18 40	26 49			n.a.
W16	21 46	3n55	4 15	21 50	1 38	21 55	1 7	8 24	3 27	14 8	1 11	17 20	1 42	9 38	0 26	16 40	1 38	14 55	17 13	18 55	18 41	26 49			n.a.
T 17	21 36	9 33	4 50	21 19	1 32	22 5	1 4	8 23	3 28	14 3	1 11	17 18	1 42	9 38	0 26	16 39	1 38	14 56	17 13	18 55	18 42	26 50			n.a.
F 18	21 25	14 40	5 11	20 47	1 26	22 15	1 1	8 23	3 30	13 59	1 11	17 16	1 42	9 38	0 26	16 39	1 38	14 57	17 14	18 55	18 43	26 50			n.a.
S 19	21 14	19 6	5 17	20 12	1 19	22 24	0 58	8 22	3 31	13 54	1 11	17 13	1 42	9 39	0 26	16 39	1 38	14 57	17 14	18 55	18 43	26 50			n.a.
S 20	21 2	22 42	5 9	19 37	1 11	22 32	0 55	8 23	3 33	13 49	1 11	17 11	1 42	9 39	0 26	16 39	1 38	14 58	17 15	18 55	18 44	26 51			n.a.
M21	20 50	25 20	4 48	18 59	1 2	22 40	0 52	8 23	3 34	13 45	1 11	17 9	1 42	9 39	0 26	16 39	1 38	14 59	17 16	18 55	18 45	26 51			n.a.
T 22	20 38	26 50	4 14	18 20	0 53	22 46	0 48	8 23	3 35	13 40	1 11	17 7	1 42	9 40	0 26	16 39	1 38	14 59	17 16	18 55	18 46	26 51			n.a.
W23	20 25	27 7	3 30	17 40	0 43	22 53	0 45	8 24	3 37	13 35	1 11	17 4	1 42	9 40	0 26	16 39	1 38	15 0	17 17	18 56	18 47	26 51			n.a.
T 24	20 12	26 9	2 36	16 59	0 33	22 58	0 42	8 25	3 38	13 30	1 11	17 2	1 42	9 40	0 26	16 39	1 38	15 1	17 17	18 56	18 48	26 52			n.a.
F 25	19 58	23 57	1 35	16 18	0 21	23 3	0 39	8 27	3 40	13 25	1 10	17 0	1 42	9 41	0 26	16 39	1 37	15 1	17 18	18 56	18 48	26 52			n.a.
S 26	19 45	20 38	0 29	15 35	0 9	23 8	0 36	8 29	3 41	13 20	1 10	16 58	1 42	9 41	0 26	16 39	1 37	15 2	17 18	18 56	18 49	26 52			n.a.
S 27	19 30	16 21	0s40	14 53	0n 3	23 11	0 32	8 31	3 42	13 15	1 10	16 55	1 42	9 41	0 26	16 39	1 37	15 3	17 19	18 56	18 50	26 52			n.a.
M28	19 16	11 19	1 47	14 11	0 17	23 14	0 29	8 33	3 44	13 10	1 10	16 53	1 42	9 42	0 26	16 39	1 37	15 3	17 19	18 56	18 51	26 53			n.a.
T 29	19 1	5 44	2 51	13 29	0 30	23 16	0 26	8 35	3 45	13 6	1 10	16 51	1 42	9 42	0 26	16 39	1 37	15 4	17 20	18 56	18 52	26 53			n.a.
W30	18 46	0s10	3 47	12 48	0 44	23 18	0 23	8 38	3 46	13 1	1 10	16 48	1 42	9 43	0 26	16 39	1 37	15 5	17 20	18 56	18 52	26 53			n.a.
T 31	18s30	6s 9	4s31	12s 8	0n59	23s19	0n20	8n41	3n48	12s56	1s10	16s46	1s42	9n43	0s26	16n39	1s37	15n 6	17n21	18s56	18s53	26n53			n.a.

Julian Day Number = 1632302.5, Delta T = 03h41m11s
Ecliptic obliquity = 23°43'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'19, Lahiri = - 7°19'18 Julian Calendar 1 Jan. 244 BCE == Greg. Calendar 28 Dec. 245 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

FEBRUARY 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 28 28	8♒55'12	18♎29	27♒ 0	5♉58	16°R53	29♒36	19♒35	25♈55	20°R57	1°R51	6°R15	6♒23	15♊24	n.a.	F 1
S 2	8 32 24	9°55'15	2♏13	28° 4	7°12	16♍47	29°50	19°43	25°56	20♉57	1♎50	6♒15	6°20	15°31	n.a.	S 2
S 3	8 36 21	10°55'17	16°12	29° 1	8°25	16°40	0♓ 4	19°50	25°58	20°57	1°49	6°D15	6°17	15°38	n.a.	S 3
M 4	8 40 17	11°55'17	0♐25	29°49	9°38	16°32	0°18	19°58	25°59	20°D57	1°48	6°15	6°14	15°44	n.a.	M 4
T 5	8 44 14	12°55'15	14°49	0♓30	10°51	16°23	0°32	20° 5	26° 0	20°57	1°47	6°15	6°11	15°51	n.a.	T 5
W 6	8 48 10	13°55'12	29°22	1° 2	12° 4	16°14	0°46	20°13	26° 2	20°57	1°46	6°16	6° 7	15°58	n.a.	W 6
T 7	8 52 7	14°55'06	13♉59	1°25	13°17	16° 3	1° 1	20°20	26° 4	20°57	1°45	6°17	6° 4	16° 4	n.a.	T 7
F 8	8 56 3	15°54'59	28°34	1°39	14°31	15°52	1°15	20°28	26° 5	20°57	1°44	6°17	6° 1	16°11	n.a.	F 8
S 9	9 0 0	16°54'50	13♒ 1	1°R44	15°44	15°40	1°29	20°35	26° 7	20°58	1°43	6°R17	5°58	16°18	n.a.	S 9
S 10	9 3 57	17°54'38	27°14	1°41	16°57	15°28	1°43	20°42	26° 9	20°58	1°42	6°17	5°55	16°25	n.a.	S 10
M11	9 7 53	18°54'25	11♓ 9	1°29	18°10	15°14	1°58	20°50	26°10	20°58	1°41	6°15	5°52	16°31	n.a.	M11
T 12	9 11 50	19°54'09	24°43	1° 9	19°23	15° 0	2°12	20°57	26°12	20°58	1°40	6°14	5°48	16°38	n.a.	T 12
W13	9 15 46	20°53'51	7♈54	0°42	20°37	14°45	2°26	21° 5	26°14	20°59	1°39	6°12	5°45	16°45	n.a.	W13
T 14	9 19 43	21°53'30	20°43	0° 8	21°50	14°30	2°41	21°12	26°16	20°59	1°38	6°10	5°42	16°51	n.a.	T 14
F 15	9 23 39	22°53'08	3♉12	29♒27	23° 3	14°14	2°55	21°20	26°18	20°59	1°37	6° 8	5°39	16°58	n.a.	F 15
S 16	9 27 36	23°52'43	15°24	28°42	24°16	13°57	3° 9	21°27	26°20	21° 0	1°35	6° 7	5°36	17° 5	n.a.	S 16
S 17	9 31 32	24°52'15	27°25	27°53	25°30	13°40	3°24	21°35	26°22	21° 0	1°34	6°D 7	5°33	17°11	n.a.	S 17
M18	9 35 29	25°51'45	9♊18	27° 1	26°43	13°22	3°38	21°42	26°24	21° 1	1°33	6° 7	5°29	17°18	n.a.	M18
T 19	9 39 26	26°51'13	21° 8	26° 7	27°56	13° 3	3°53	21°50	26°26	21° 1	1°32	6° 9	5°26	17°25	n.a.	T 19
W20	9 43 22	27°50'38	3♋ 0	25°12	29° 9	12°44	4° 7	21°57	26°28	21° 2	1°30	6°10	5°23	17°31	n.a.	W20
T 21	9 47 19	28°50'01	14°59	24°19	0♒23	12°24	4°21	22° 5	26°30	21° 2	1°29	6°12	5°20	17°38	n.a.	T 21
F 22	9 51 15	29°49'22	27° 8	23°26	1°36	12° 4	4°36	22°12	26°32	21° 3	1°28	6°13	5°17	17°45	n.a.	F 22
S 23	9 55 12	0♓48'40	9♌30	22°37	2°49	11°43	4°50	22°20	26°35	21° 4	1°26	6°R13	5°13	17°51	n.a.	S 23
S 24	9 59 8	1°47'56	22° 8	21°51	4° 2	11°22	5° 5	22°27	26°37	21° 4	1°25	6°12	5°10	17°58	n.a.	S 24
M25	10 3 5	2°47'10	5♍ 1	21° 9	5°16	11° 1	5°19	22°34	26°39	21° 5	1°23	6°10	5° 7	18° 5	n.a.	M25
T 26	10 7 1	3°46'22	18°11	20°31	6°29	10°39	5°34	22°42	26°42	21° 6	1°22	6° 7	5° 4	18°12	n.a.	T 26
W27	10 10 58	4°45'31	1♎36	19°59	7°42	10°17	5°48	22°49	26°44	21° 6	1°20	6° 2	5° 1	18°18	n.a.	W27
T 28	10 14 54	5♓44'39	15♎15	19♒32	8♒56	9♍55	6♓ 3	22♒57	26♈47	21♉ 7	1♎19	5♒58	4♒58	18♊25	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s15	11s58	5s 2	11s30	1n14	23s19	0n17	8n45	3n49	12s51	1s10	16s44	1s42	9n44	0s26	16n39	1s37	15n 6	17n21	18s56	18s54	26n54		n.a.
S 2	17 58	17 19	5 17	10 54	1 29	23 18	0 14	8 48	3 50	12 45	1 10	16 41	1 42	9 44	0 26	16 39	1 37	15 7	17 21	18 56	18 55	26 54		n.a.
S 3	17 42	21 52	5 13	10 21	1 43	23 17	0 11	8 52	3 51	12 40	1 10	16 39	1 42	9 45	0 26	16 39	1 37	15 8	17 22	18 56	18 56	26 54		n.a.
M 4	17 25	25 12	4 50	9 50	1 58	23 15	0 7	8 56	3 52	12 35	1 10	16 37	1 42	9 45	0 26	16 39	1 37	15 9	17 22	18 56	18 56	26 54		n.a.
T 5	17 8	26 58	4 8	9 22	2 13	23 12	0 4	9 1	3 53	12 30	1 10	16 34	1 42	9 46	0 26	16 39	1 37	15 9	17 23	18 56	18 57	26 54		n.a.
W 6	16 51	26 54	3 11	8 57	2 27	23 9	0 1	9 5	3 55	12 25	1 10	16 32	1 42	9 46	0 26	16 39	1 37	15 10	17 23	18 56	18 58	26 55		n.a.
T 7	16 33	24 59	2 1	8 37	2 40	23 5	0s 2	9 10	3 56	12 20	1 10	16 29	1 42	9 47	0 26	16 39	1 37	15 11	17 24	18 56	18 59	26 55		n.a.
F 8	16 15	21 24	0 43	8 20	2 53	23 0	0 5	9 16	3 56	12 15	1 10	16 27	1 42	9 48	0 26	16 39	1 37	15 12	17 24	18 56	19 0	26 55		n.a.
S 9	15 57	16 31	0n37	8 7	3 4	22 55	0 8	9 21	3 57	12 10	1 10	16 25	1 42	9 48	0 26	16 40	1 37	15 13	17 25	18 56	19 0	26 55		n.a.
S 10	15 39	10 48	1 53	7 58	3 15	22 49	0 10	9 27	3 58	12 4	1 10	16 22	1 42	9 49	0 26	16 40	1 36	15 13	17 25	18 56	19 1	26 55		n.a.
M11	15 20	4 41	3 1	7 54	3 24	22 42	0 13	9 33	3 59	11 59	1 10	16 20	1 42	9 50	0 26	16 40	1 36	15 14	17 25	18 56	19 2	26 55		n.a.
T 12	15 1	1n30	3 57	7 53	3 32	22 34	0 16	9 39	4 0	11 54	1 10	16 18	1 42	9 50	0 26	16 40	1 36	15 15	17 26	18 56	19 3	26 55		n.a.
W13	14 42	7 25	4 38	7 57	3 38	22 26	0 19	9 45	4 0	11 49	1 10	16 15	1 42	9 51	0 25	16 40	1 36	15 16	17 26	18 57	19 4	26 56		n.a.
T 14	14 23	12 52	5 5	8 5	3 43	22 18	0 22	9 52	4 1	11 44	1 10	16 13	1 42	9 52	0 25	16 40	1 36	15 17	17 27	18 57	19 4	26 56		n.a.
F 15	14 3	17 39	5 15	8 17	3 45	22 8	0 25	9 59	4 1	11 38	1 10	16 10	1 42	9 52	0 25	16 40	1 36	15 17	17 27	18 58	19 5	26 56		n.a.
S 16	13 43	21 36	5 12	8 32	3 46	21 58	0 27	10 6	4 2	11 33	1 10	16 8	1 42	9 53	0 25	16 41	1 36	15 18	17 27	18 58	19 6	26 56		n.a.
S 17	13 23	24 35	4 54	8 50	3 45	21 47	0 30	10 13	4 2	11 28	1 10	16 6	1 42	9 54	0 25	16 41	1 36	15 19	17 28	18 58	19 7	26 56		n.a.
M18	13 3	26 28	4 25	9 11	3 42	21 36	0 33	10 20	4 2	11 22	1 10	16 3	1 43	9 55	0 25	16 41	1 36	15 20	17 28	18 58	19 7	26 56		n.a.
T 19	12 43	27 9	3 44	9 34	3 37	21 24	0 35	10 27	4 2	11 17	1 10	16 1	1 43	9 55	0 25	16 41	1 36	15 21	17 28	18 58	19 8	26 56		n.a.
W20	12 22	26 34	2 53	9 59	3 30	21 11	0 38	10 35	4 2	11 12	1 10	15 58	1 43	9 56	0 25	16 41	1 36	15 22	17 29	18 57	19 9	26 56		n.a.
T 21	12 1	24 46	1 54	10 25	3 22	20 58	0 40	10 42	4 2	11 7	1 10	15 56	1 43	9 57	0 25	16 42	1 36	15 22	17 29	18 57	19 10	26 56		n.a.
F 22	11 40	21 48	0 50	10 51	3 12	20 44	0 43	10 50	4 2	11 1	1 10	15 54	1 43	9 58	0 25	16 42	1 36	15 23	17 29	18 57	19 11	26 56		n.a.
S 23	11 19	17 48	0s18	11 18	3 0	20 30	0 45	10 58	4 2	10 56	1 10	15 51	1 43	9 59	0 25	16 42	1 36	15 24	17 30	18 57	19 11	26 56		n.a.
S 24	10 58	12 56	1 26	11 45	2 48	20 15	0 47	11 6	4 1	10 50	1 10	15 49	1 43	10 0	0 25	16 42	1 36	15 25	17 30	18 57	19 12	26 56		n.a.
M25	10 36	7 26	2 32	12 11	2 35	19 59	0 50	11 14	4 1	10 45	1 10	15 47	1 43	10 1	0 25	16 42	1 36	15 26	17 30	18 57	19 13	26 56		n.a.
T 26	10 15	1 31	3 30	12 36	2 21	19 43	0 52	11 22	4 1	10 40	1 10	15 44	1 43	10 1	0 25	16 43	1 35	15 27	17 30	18 58	19 14	26 56		n.a.
W27	9 53	4s35	4 18	13 0	2 6	19 26	0 54	11 29	4 0	10 34	1 10	15 42	1 43	10 2	0 25	16 43	1 35	15 27	17 31	18 59	19 14	26 56		n.a.
T 28	9s31	10s33	4s52	13s23	1n51	19s 9	0s56	11n37	3n59	10s29	1s10	15s39	1s43	10n 3	0s25	16n43	1s35	15n28	17n31	19s 0	19s15	26n56		n.a.

Julian Day Number = 1632333.5, Delta T = 03h41m10s
Ecliptic obliquity = 23°43'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'15, Lahiri = - 7°19'14 Julian Calendar 1 Feb. 244 BCE == Greg. Calendar 28 Jan. 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

MARCH 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 18 51	6♓43'44	29♎ 4	19°R11	10♒ 9	9°R32	6♓17	23♒ 4	26♈49	21♉ 8	1°R18	5°R53	4♒54	18♊32	n.a.	F 1
S 2	10 22 48	7°42'48	13♏ 2	18♒56	11°22	9♍10	6°32	23°11	26°52	21° 9	1♎16	5♒50	4°51	18°38	n.a.	S 2
S 3	10 26 44	8°41'50	27° 7	18°46	12°36	8°47	6°46	23°19	26°54	21°10	1°14	5°48	4°48	18°45	n.a.	S 3
M 4	10 30 41	9°40'50	11♐16	18°D42	13°49	8°24	7° 0	23°26	26°57	21°11	1°13	5°D48	4°45	18°52	n.a.	M 4
T 5	10 34 37	10°39'49	25°27	18°44	15° 2	8° 1	7°15	23°33	26°59	21°12	1°11	5°48	4°42	18°58	n.a.	T 5
W 6	10 38 34	11°38'45	9♑39	18°50	16°16	7°38	7°29	23°40	27° 2	21°13	1°10	5°50	4°39	19° 5	n.a.	W 6
T 7	10 42 30	12°37'40	23°50	19° 2	17°29	7°15	7°44	23°48	27° 5	21°14	1° 8	5°51	4°35	19°12	n.a.	T 7
F 8	10 46 27	13°36'33	7♒56	19°20	18°42	6°52	7°58	23°55	27° 7	21°15	1° 7	5°R51	4°32	19°18	n.a.	F 8
S 9	10 50 23	14°35'23	21°56	19°41	19°56	6°29	8°13	24° 2	27°10	21°16	1° 5	5°50	4°29	19°25	n.a.	S 9
S 10	10 54 20	15°34'12	5♓47	20° 8	21° 9	6° 6	8°27	24° 9	27°13	21°17	1° 3	5°47	4°26	19°32	n.a.	S 10
M11	10 58 17	16°32'59	19°24	20°39	22°22	5°44	8°41	24°16	27°16	21°18	1° 2	5°42	4°23	19°38	n.a.	M11
T 12	11 2 13	17°31'43	2♈45	21°14	23°36	5°22	8°56	24°23	27°19	21°19	1° 0	5°36	4°19	19°45	n.a.	T 12
W13	11 6 10	18°30'26	15°49	21°53	24°49	5° 0	9°10	24°31	27°21	21°21	0°59	5°28	4°16	19°52	n.a.	W13
T 14	11 10 6	19°29'06	28°35	22°35	26° 2	4°39	9°25	24°38	27°24	21°22	0°57	5°21	4°13	19°58	n.a.	T 14
F 15	11 14 3	20°27'44	11♉ 3	23°22	27°16	4°18	9°39	24°45	27°27	21°23	0°55	5°14	4°10	20° 5	n.a.	F 15
S 16	11 17 59	21°26'20	23°16	24°11	28°29	3°57	9°53	24°52	27°30	21°24	0°54	5° 8	4° 7	20°12	n.a.	S 16
S 17	11 21 56	22°24'53	5♊17	25° 4	29°42	3°37	10° 7	24°59	27°33	21°26	0°52	5° 5	4° 4	20°19	n.a.	S 17
M18	11 25 52	23°23'25	17°10	26° 0	0♓56	3°17	10°22	25° 5	27°36	21°27	0°50	5° 3	4° 0	20°25	n.a.	M18
T 19	11 29 49	24°21'54	29° 0	26°59	2° 9	2°58	10°36	25°12	27°39	21°28	0°49	5°D 3	3°57	20°32	n.a.	T 19
W20	11 33 46	25°20'21	10♋52	28° 1	3°22	2°40	10°50	25°19	27°42	21°30	0°47	5° 4	3°54	20°39	n.a.	W20
T 21	11 37 42	26°18'45	22°52	29° 5	4°36	2°22	11° 4	25°26	27°45	21°31	0°45	5° 5	3°51	20°45	n.a.	T 21
F 22	11 41 39	27°17'08	5♌ 4	0♓12	5°49	2° 4	11°19	25°33	27°48	21°33	0°44	5°R 6	3°48	20°52	n.a.	F 22
S 23	11 45 35	28°15'28	17°33	1°22	7° 2	1°48	11°33	25°39	27°52	21°34	0°42	5° 5	3°44	20°59	n.a.	S 23
S 24	11 49 32	29°13'46	0♍21	2°34	8°16	1°32	11°47	25°46	27°55	21°36	0°40	5° 2	3°41	21° 5	n.a.	S 24
M25	11 53 28	0♈12'02	13°31	3°48	9°29	1°16	12° 1	25°53	27°58	21°37	0°38	4°57	3°38	21°12	n.a.	M25
T 26	11 57 25	1°10'16	27° 2	5° 5	10°42	1° 2	12°15	25°59	28° 1	21°39	0°37	4°50	3°35	21°19	n.a.	T 26
W27	12 1 21	2° 8'28	10♎53	6°24	11°56	0°48	12°29	26° 6	28° 4	21°40	0°35	4°41	3°32	21°25	n.a.	W27
T 28	12 5 18	3° 6'38	24°59	7°45	13° 9	0°35	12°43	26°12	28° 7	21°42	0°33	4°31	3°29	21°32	n.a.	T 28
F 29	12 9 14	4° 4'46	9♏16	9° 8	14°22	0°23	12°57	26°19	28°11	21°43	0°32	4°22	3°25	21°39	n.a.	F 29
S 30	12 13 11	5° 2'53	23°37	10°33	15°36	0°11	13°11	26°25	28°14	21°45	0°30	4°15	3°22	21°45	n.a.	S 30
S 31	12 17 8	6♈ 0'59	7♐59	12♓ 0	16♓49	0♍ 0	13♓25	26♒32	28♈17	21♉47	0♎28	4♒10	3♒19	21♊52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s 9	16s 6	5s10	13s44	1n36	18s51	0s58	11n45	3n58	10s24	1s10	15s37	1s43	10n 4	0s25	16n44	1s35	15n29	17n31	19s 1	19s16	26n56		n.a.
S 2	8 47	20 51	5 10	14 3	1 21	18 33	1 0	11 53	3 57	10 18	1 10	15 35	1 43	10 5	0 25	16 44	1 35	15 30	17 31	19 2	19 17	26 56		n.a.
S 3	8 24	24 28	4 51	14 21	1 5	18 14	1 2	12 1	3 56	10 13	1 10	15 32	1 44	10 6	0 25	16 44	1 35	15 31	17 32	19 3	19 18	26 56		n.a.
M 4	8 2	26 36	4 15	14 36	0 50	17 54	1 4	12 9	3 55	10 7	1 10	15 30	1 44	10 7	0 25	16 44	1 35	15 31	17 32	19 3	19 18	26 56		n.a.
T 5	7 39	27 1	3 23	14 50	0 36	17 34	1 6	12 16	3 54	10 2	1 10	15 28	1 44	10 8	0 25	16 45	1 35	15 32	17 32	19 3	19 19	26 56		n.a.
W 6	7 17	25 40	2 18	15 1	0 21	17 14	1 8	12 24	3 53	9 57	1 10	15 25	1 44	10 9	0 25	16 45	1 35	15 33	17 32	19 2	19 20	26 56		n.a.
T 7	6 54	22 40	1 5	15 11	0 7	16 53	1 10	12 31	3 51	9 51	1 10	15 23	1 44	10 10	0 25	16 45	1 35	15 34	17 33	19 2	19 21	26 56		n.a.
F 8	6 31	18 19	0n11	15 18	0s 6	16 32	1 11	12 39	3 50	9 46	1 10	15 21	1 44	10 11	0 25	16 46	1 35	15 35	17 33	19 2	19 21	26 56		n.a.
S 9	6 8	13 0	1 26	15 23	0 19	16 10	1 13	12 46	3 48	9 40	1 10	15 18	1 44	10 12	0 25	16 46	1 35	15 35	17 33	19 2	19 22	26 56		n.a.
S 10	5 45	7 6	2 35	15 27	0 32	15 48	1 14	12 53	3 46	9 35	1 10	15 16	1 44	10 13	0 25	16 46	1 35	15 36	17 33	19 3	19 23	26 56		n.a.
M11	5 22	0 58	3 34	15 28	0 43	15 25	1 16	12 59	3 45	9 29	1 10	15 14	1 44	10 14	0 25	16 47	1 35	15 37	17 33	19 4	19 24	26 56		n.a.
T 12	4 59	5n 4	4 20	15 28	0 55	15 2	1 17	13 6	3 43	9 24	1 10	15 11	1 45	10 15	0 25	16 47	1 35	15 38	17 33	19 6	19 25	26 56		n.a.
W13	4 36	10 45	4 51	15 25	1 6	14 38	1 19	13 12	3 41	9 19	1 10	15 9	1 45	10 16	0 25	16 47	1 35	15 38	17 33	19 8	19 25	26 56		n.a.
T 14	4 13	15 51	5 6	15 21	1 16	14 14	1 20	13 18	3 39	9 13	1 10	15 7	1 45	10 17	0 25	16 48	1 35	15 39	17 34	19 10	19 26	26 56		n.a.
F 15	3 49	20 10	5 7	15 14	1 25	13 50	1 21	13 24	3 37	9 8	1 10	15 4	1 45	10 18	0 25	16 48	1 35	15 40	17 34	19 11	19 27	26 55		n.a.
S 16	3 26	23 32	4 53	15 6	1 34	13 26	1 22	13 30	3 34	9 2	1 10	15 2	1 45	10 19	0 25	16 49	1 34	15 41	17 34	19 13	19 28	26 55		n.a.
S 17	3 3	25 49	4 27	14 56	1 43	13 1	1 23	13 35	3 32	8 57	1 10	15 0	1 45	10 21	0 25	16 49	1 34	15 42	17 34	19 14	19 28	26 55		n.a.
M18	2 39	26 54	3 49	14 44	1 51	12 35	1 24	13 40	3 30	8 51	1 11	14 58	1 45	10 22	0 25	16 49	1 34	15 42	17 34	19 14	19 29	26 55		n.a.
T 19	2 16	26 45	3 2	14 30	1 58	12 10	1 25	13 45	3 27	8 46	1 11	14 56	1 45	10 23	0 25	16 50	1 34	15 43	17 34	19 14	19 30	26 55		n.a.
W20	1 52	25 23	2 7	14 15	2 5	11 44	1 26	13 50	3 25	8 41	1 11	14 53	1 46	10 24	0 25	16 50	1 34	15 44	17 34	19 14	19 31	26 55		n.a.
T 21	1 29	22 50	1 5	13 58	2 11	11 17	1 27	13 54	3 22	8 35	1 11	14 51	1 46	10 25	0 25	16 51	1 34	15 44	17 34	19 13	19 31	26 55		n.a.
F 22	1 6	19 14	0 0	13 39	2 16	10 51	1 28	13 58	3 20	8 30	1 11	14 49	1 46	10 26	0 25	16 51	1 34	15 45	17 34	19 13	19 32	26 54		n.a.
S 23	0 42	14 42	1s 7	13 18	2 21	10 24	1 28	14 1	3 17	8 24	1 11	14 47	1 46	10 27	0 25	16 52	1 34	15 46	17 34	19 14	19 33	26 54		n.a.
S 24	0 19	9 26	2 11	12 56	2 25	9 57	1 29	14 5	3 15	8 19	1 11	14 45	1 46	10 28	0 25	16 52	1 34	15 46	17 34	19 14	19 34	26 54		n.a.
M25	0n 5	3 37	3 11	12 32	2 29	9 29	1 30	14 8	3 12	8 14	1 11	14 42	1 46	10 30	0 25	16 52	1 34	15 47	17 34	19 15	19 34	26 54		n.a.
T 26	0 28	2s30	4 1	12 7	2 32	9 2	1 30	14 11	3 9	8 8	1 11	14 40	1 46	10 31	0 25	16 53	1 34	15 48	17 34	19 17	19 35	26 54		n.a.
W27	0 52	8 37	4 39	11 39	2 34	8 34	1 30	14 13	3 6	8 3	1 11	14 38	1 47	10 32	0 25	16 53	1 34	15 48	17 34	19 19	19 36	26 54		n.a.
T 28	1 15	14 26	5 0	11 10	2 36	8 5	1 31	14 15	3 4	7 58	1 11	14 36	1 47	10 33	0 25	16 54	1 34	15 49	17 34	19 22	19 37	26 53		n.a.
F 29	1 38	19 32	5 3	10 40	2 37	7 37	1 31	14 17	3 1	7 52	1 11	14 34	1 47	10 34	0 24	16 54	1 34	15 50	17 34	19 24	19 37	26 53		n.a.
S 30	2 2	23 32	4 47	10 8	2 38	7 9	1 31	14 19	2 58	7 47	1 11	14 32	1 47	10 36	0 24	16 55	1 34	15 50	17 34	19 26	19 38	26 53		n.a.
S 31	2n25	26s 4	4s13	9s35	2s38	6s40	1s31	14n20	2n55	7s42	1s11	14s30	1s47	10n37	0s24	16n55	1s34	15n51	17n34	19s27	19s39	26n53		n.a.

Julian Day Number = 1632361.5, Delta T = 03h41m09s
Ecliptic obliquity = 23°43'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'11, Lahiri = - 7°19'10 Julian Calendar 1 March 244 BCE == Greg. Calendar 25 Feb. 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

APRIL 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 21 4	6♈59'03	22♐17	13♓29	18♓ 2	29°R50	13♓39	26♒38	28♈21	21♉48	0°R27	4°R 7	3♒16	21♊59	n.a.	M 1
T 2	12 25 1	7°57'05	6♑28	15° 0	19°16	29♌41	13°52	26°44	28°24	21°50	0♎25	4°D 6	3°13	22° 5	n.a.	T 2
W 3	12 28 57	8°55'06	20°30	16°33	20°29	29°32	14° 6	26°51	28°27	21°52	0°23	4♒ 6	3°10	22°12	n.a.	W 3
T 4	12 32 54	9°53'06	4♒24	18° 8	21°43	29°25	14°20	26°57	28°31	21°54	0°22	4°R 6	3° 6	22°19	n.a.	T 4
F 5	12 36 50	10°51'04	18° 8	19°45	22°56	29°18	14°34	27° 3	28°34	21°55	0°20	4° 6	3° 3	22°25	n.a.	F 5
S 6	12 40 47	11°49'01	1♓43	21°24	24° 9	29°12	14°47	27° 9	28°37	21°57	0°18	4° 3	3° 0	22°32	n.a.	S 6
S 7	12 44 43	12°46'56	15° 9	23° 5	25°23	29° 6	15° 1	27°15	28°41	21°59	0°17	3°57	2°57	22°39	n.a.	S 7
M 8	12 48 40	13°44'49	28°23	24°48	26°36	29° 2	15°14	27°21	28°44	22° 1	0°15	3°49	2°54	22°46	n.a.	M 8
T 9	12 52 37	14°42'41	11♈25	26°33	27°49	28°58	15°28	27°27	28°47	22° 3	0°13	3°38	2°50	22°52	n.a.	T 9
W10	12 56 33	15°40'32	24°13	28°19	29° 3	28°55	15°41	27°33	28°51	22° 4	0°12	3°26	2°47	22°59	n.a.	W10
T 11	13 0 30	16°38'21	6♉48	0♈ 8	0♈16	28°53	15°55	27°38	28°54	22° 6	0°10	3°14	2°44	23° 6	n.a.	T 11
F 12	13 4 26	17°36'08	19° 9	1°58	1°30	28°52	16° 8	27°44	28°58	22° 8	0° 8	3° 2	2°41	23°12	n.a.	F 12
S 13	13 8 23	18°33'54	1♊17	3°51	2°43	28°D52	16°21	27°50	29° 1	22°10	0° 7	2°52	2°38	23°19	n.a.	S 13
S 14	13 12 19	19°31'38	13°15	5°45	3°56	28°52	16°35	27°55	29° 5	22°12	0° 5	2°45	2°35	23°26	n.a.	S 14
M15	13 16 16	20°29'20	25° 7	7°42	5°10	28°53	16°48	28° 1	29° 8	22°14	0° 4	2°40	2°31	23°32	n.a.	M15
T 16	13 20 12	21°27'01	6♋56	9°40	6°23	28°55	17° 1	28° 7	29°11	22°16	0° 2	2°37	2°28	23°39	n.a.	T 16
W17	13 24 9	22°24'40	18°47	11°40	7°36	28°57	17°14	28°12	29°15	22°18	0° 1	2°D37	2°25	23°46	n.a.	W17
T 18	13 28 6	23°22'17	0♌46	13°41	8°50	29° 1	17°27	28°17	29°18	22°20	29♍59	2°R37	2°22	23°52	n.a.	T 18
F 19	13 32 2	24°19'53	12°58	15°45	10° 3	29° 5	17°40	28°23	29°22	22°22	29°58	2°36	2°19	23°59	n.a.	F 19
S 20	13 35 59	25°17'27	25°28	17°50	11°17	29°10	17°53	28°28	29°25	22°24	29°56	2°35	2°15	24° 6	n.a.	S 20
S 21	13 39 55	26°14'59	8♍21	19°56	12°30	29°15	18° 6	28°33	29°29	22°26	29°55	2°31	2°12	24°12	n.a.	S 21
M22	13 43 52	27°12'30	21°39	22° 4	13°43	29°21	18°18	28°38	29°32	22°28	29°53	2°25	2° 9	24°19	n.a.	M22
T 23	13 47 48	28°10'00	5♎23	24°13	14°57	29°28	18°31	28°43	29°36	22°30	29°52	2°16	2° 6	24°26	n.a.	T 23
W24	13 51 45	29° 7'28	19°32	26°23	16°10	29°36	18°44	28°48	29°39	22°32	29°50	2° 5	2° 3	24°32	n.a.	W24
T 25	13 55 41	0♉ 4'55	4♏ 1	28°34	17°23	29°44	18°56	28°53	29°43	22°34	29°49	1°54	2° 0	24°39	n.a.	T 25
F 26	13 59 38	1° 2'20	18°43	0♉45	18°37	29°53	19° 9	28°58	29°46	22°36	29°48	1°43	1°56	24°46	n.a.	F 26
S 27	14 3 35	1°59'45	3♐30	2°57	19°50	0♍ 3	19°21	29° 2	29°50	22°39	29°46	1°34	1°53	24°52	n.a.	S 27
S 28	14 7 31	2°57'09	18°15	5° 9	21° 4	0°13	19°33	29° 7	29°53	22°41	29°45	1°27	1°50	24°59	n.a.	S 28
M29	14 11 28	3°54'32	2♑50	7°20	22°17	0°24	19°46	29°12	29°57	22°43	29°43	1°23	1°47	25° 6	n.a.	M29
T 30	14 15 24	4♑51'55	17♑11	9♉31	23♈30	0♍35	19♓58	29♒16	0♉ 0	22♉45	29♍42	1♒21	1♒44	25♊12	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	2n48	26s53	3s24	9s 0	2s38	6s11	1s31	14n21	2n52	7s36	1s12	14s28	1s47	10n38	0s24	16n56	1s34	15n52	17n34	19s28	19s40	26n52			n.a.
T 2	3 11	25 56	2 22	8 23	2 37	5 42	1 31	14 21	2 49	7 31	1 12	14 26	1 48	10 39	0 24	16 56	1 34	15 52	17 34	19 28	19 40	26 52			n.a.
W 3	3 35	23 19	1 12	7 45	2 35	5 13	1 31	14 22	2 46	7 26	1 12	14 24	1 48	10 40	0 24	16 57	1 34	15 53	17 34	19 28	19 41	26 52			n.a.
T 4	3 58	19 22	0n 2	7 5	2 33	4 43	1 31	14 22	2 44	7 20	1 12	14 22	1 48	10 42	0 24	16 57	1 34	15 53	17 34	19 28	19 42	26 52			n.a.
F 5	4 21	14 24	1 14	6 24	2 31	4 14	1 31	14 22	2 41	7 15	1 12	14 20	1 48	10 43	0 24	16 58	1 34	15 54	17 33	19 28	19 43	26 51			n.a.
S 6	4 44	8 47	2 21	5 42	2 27	3 44	1 31	14 21	2 38	7 10	1 12	14 18	1 48	10 44	0 24	16 58	1 33	15 54	17 33	19 28	19 43	26 51			n.a.
S 7	5 6	2 51	3 20	4 58	2 24	3 14	1 30	14 20	2 35	7 5	1 12	14 16	1 48	10 45	0 24	16 59	1 33	15 55	17 33	19 30	19 44	26 51			n.a.
M 8	5 29	3n 6	4 6	4 13	2 19	2 44	1 30	14 19	2 32	7 0	1 12	14 14	1 49	10 46	0 24	16 59	1 33	15 55	17 33	19 32	19 45	26 51			n.a.
T 9	5 52	8 50	4 39	3 27	2 14	2 14	1 29	14 18	2 29	6 54	1 12	14 12	1 49	10 48	0 24	17 0	1 33	15 56	17 33	19 34	19 46	26 50			n.a.
W10	6 14	14 6	4 57	2 39	2 9	1 44	1 29	14 16	2 26	6 49	1 12	14 10	1 49	10 49	0 24	17 0	1 33	15 56	17 33	19 37	19 46	26 50			n.a.
T 11	6 37	18 40	5 1	1 50	2 3	1 14	1 28	14 14	2 23	6 44	1 13	14 8	1 49	10 50	0 24	17 1	1 33	15 57	17 32	19 40	19 47	26 50			n.a.
F 12	6 59	22 21	4 50	0 59	1 57	0 44	1 28	14 12	2 20	6 39	1 13	14 7	1 49	10 51	0 24	17 1	1 33	15 57	17 32	19 43	19 48	26 49			n.a.
S 13	7 22	25 0	4 26	0 8	1 50	0 14	1 27	14 9	2 18	6 34	1 13	14 5	1 49	10 53	0 24	17 2	1 33	15 58	17 32	19 45	19 48	26 49			n.a.
S 14	7 44	26 28	3 50	0n45	1 42	0n16	1 26	14 7	2 15	6 29	1 13	14 3	1 50	10 54	0 24	17 2	1 33	15 58	17 32	19 47	19 49	26 49			n.a.
M15	8 6	26 43	3 5	1 39	1 34	0 46	1 25	14 4	2 12	6 24	1 13	14 1	1 50	10 55	0 24	17 3	1 33	15 59	17 32	19 48	19 50	26 48			n.a.
T 16	8 28	25 44	2 12	2 33	1 26	1 17	1 24	14 0	2 9	6 18	1 13	13 59	1 50	10 56	0 24	17 3	1 33	15 59	17 31	19 49	19 51	26 48			n.a.
W17	8 49	23 35	1 13	3 29	1 17	1 47	1 23	13 57	2 6	6 13	1 13	13 58	1 50	10 58	0 24	17 4	1 33	16 0	17 31	19 49	19 51	26 48			n.a.
T 18	9 11	20 23	0 10	4 25	1 8	2 17	1 22	13 53	2 4	6 8	1 13	13 56	1 50	10 59	0 24	17 4	1 33	16 0	17 31	19 49	19 52	26 47			n.a.
F 19	9 33	16 15	0s55	5 22	0 59	2 47	1 21	13 49	2 1	6 3	1 14	13 54	1 51	11 0	0 24	17 5	1 33	16 0	17 31	19 49	19 53	26 47			n.a.
S 20	9 54	11 20	1 58	6 20	0 49	3 17	1 20	13 45	1 58	5 58	1 14	13 53	1 51	11 1	0 24	17 6	1 33	16 1	17 30	19 49	19 54	26 46			n.a.
S 21	10 15	5 48	2 57	7 17	0 39	3 47	1 19	13 40	1 55	5 53	1 14	13 51	1 51	11 3	0 24	17 6	1 33	16 1	17 30	19 50	19 54	26 46			n.a.
M22	10 36	0s 8	3 48	8 15	0 29	4 17	1 18	13 35	1 53	5 49	1 14	13 50	1 51	11 4	0 24	17 7	1 33	16 1	17 30	19 51	19 55	26 46			n.a.
T 23	10 57	6 16	4 28	9 13	0 18	4 47	1 16	13 31	1 50	5 44	1 14	13 48	1 52	11 5	0 24	17 7	1 33	16 2	17 30	19 53	19 56	26 45			n.a.
W24	11 18	12 15	4 53	10 11	0 7	5 17	1 15	13 25	1 47	5 39	1 14	13 46	1 52	11 6	0 24	17 8	1 33	16 2	17 29	19 56	19 56	26 45			n.a.
T 25	11 38	17 42	5 0	11 9	0n 3	5 47	1 13	13 20	1 45	5 34	1 14	13 45	1 52	11 8	0 24	17 8	1 33	16 2	17 29	19 58	19 57	26 44			n.a.
F 26	11 58	22 12	4 47	12 5	0 14	6 16	1 12	13 14	1 42	5 29	1 14	13 43	1 52	11 9	0 24	17 9	1 33	16 2	17 29	20 1	19 58	26 44			n.a.
S 27	12 19	25 17	4 16	13 1	0 24	6 46	1 10	13 9	1 40	5 24	1 15	13 42	1 52	11 10	0 24	17 10	1 33	16 3	17 28	20 3	19 59	26 44			n.a.
S 28	12 39	26 38	3 27	13 56	0 34	7 15	1 9	13 3	1 37	5 20	1 15	13 40	1 53	11 11	0 24	17 10	1 33	16 3	17 28	20 5	19 59	26 43			n.a.
M29	12 58	26 6	2 25	14 49	0 44	7 44	1 7	12 56	1 35	5 15	1 15	13 39	1 53	11 13	0 24	17 11	1 33	16 3	17 28	20 5	20 0	26 43			n.a.
T 30	13n18	23s50	1s14	15n41	0n54	8n13	1s 6	12n50	1n32	5s10	1s15	13s38	1s53	11n14	0s24	17n11	1s33	16n 3	17n27	20s 6	20s 1	26n42			n.a.

Julian Day Number = 1632392.5, Delta T = 03h41m08s
Ecliptic obliquity = 23°43'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'07, Lahiri = - 7°19'06 Julian Calendar 1 Apr. 244 BCE == Greg. Calendar 28 March 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

MAY 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 19 21	5♉49'16	1♒16	11♉41	24♈44	0♍47	20♓10	29♒20	0♉ 4	22♉47	29°R41	1°R21	1♒41	25♊19	n.a.	W 1
T 2	14 23 17	6°46'37	15° 5	13°50	25°57	1° 0	20°22	29°25	0° 7	22°49	29♍40	1♒21	1°37	25°26	n.a.	T 2
F 3	14 27 14	7°43'57	28°38	15°57	27°11	1°13	20°34	29°29	0°11	22°51	29°38	1°19	1°34	25°32	n.a.	F 3
S 4	14 31 10	8°41'17	11♓57	18° 3	28°24	1°27	20°46	29°33	0°14	22°54	29°37	1°16	1°31	25°39	n.a.	S 4
S 5	14 35 7	9°38'35	25° 3	20° 8	29°38	1°41	20°58	29°37	0°18	22°56	29°36	1°10	1°28	25°46	n.a.	S 5
M 6	14 39 4	10°35'53	7♈56	22°10	0♉51	1°56	21°10	29°41	0°21	22°58	29°35	1° 2	1°25	25°52	n.a.	M 6
T 7	14 43 0	11°33'11	20°38	24°11	2° 5	2°11	21°21	29°45	0°25	23° 0	29°34	0°51	1°21	25°59	n.a.	T 7
W 8	14 46 57	12°30'28	3♉ 9	26° 9	3°18	2°27	21°33	29°49	0°28	23° 2	29°32	0°38	1°18	26° 6	n.a.	W 8
T 9	14 50 53	13°27'44	15°30	28° 5	4°31	2°44	21°44	29°53	0°31	23° 5	29°31	0°25	1°15	26°12	n.a.	T 9
F 10	14 54 50	14°24'59	27°40	29°59	5°45	3° 1	21°56	29°57	0°35	23° 7	29°30	0°13	1°12	26°19	n.a.	F 10
S 11	14 58 46	15°22'13	9♊41	1♊51	6°58	3°18	22° 7	0♓ 0	0°38	23° 9	29°29	0° 2	1° 9	26°26	n.a.	S 11
S 12	15 2 43	16°19'27	21°35	3°40	8°12	3°37	22°18	0° 4	0°42	23°11	29°28	29♑54	1° 6	26°32	n.a.	S 12
M13	15 6 39	17°16'40	3♋23	5°27	9°25	3°55	22°29	0° 7	0°45	23°14	29°27	29°48	1° 2	26°39	n.a.	M13
T 14	15 10 36	18°13'53	15°11	7°11	10°39	4°14	22°40	0°10	0°48	23°16	29°26	29°46	0°59	26°46	n.a.	T 14
W15	15 14 33	19°11'04	27° 1	8°53	11°52	4°33	22°51	0°14	0°52	23°18	29°25	29°D45	0°56	26°52	n.a.	W15
T 16	15 18 29	20° 8'15	8♌58	10°32	13° 6	4°53	23° 2	0°17	0°55	23°20	29°24	29°45	0°53	26°59	n.a.	T 16
F 17	15 22 26	21° 5'24	21° 9	12° 9	14°20	5°14	23°13	0°20	0°58	23°22	29°24	29°R45	0°50	27° 6	n.a.	F 17
S 18	15 26 22	22° 2'33	3♍37	13°43	15°33	5°35	23°23	0°23	1° 2	23°25	29°23	29°44	0°47	27°12	n.a.	S 18
S 19	15 30 19	22°59'42	16°29	15°15	16°47	5°56	23°34	0°26	1° 5	23°27	29°22	29°42	0°43	27°19	n.a.	S 19
M20	15 34 15	23°56'49	29°47	16°44	18° 0	6°17	23°44	0°28	1° 8	23°29	29°21	29°38	0°40	27°26	n.a.	M20
T 21	15 38 12	24°53'56	13♎34	18°10	19°14	6°40	23°54	0°31	1°12	23°31	29°20	29°31	0°37	27°32	n.a.	T 21
W22	15 42 8	25°51'02	27°50	19°34	20°27	7° 2	24° 4	0°34	1°15	23°34	29°20	29°22	0°34	27°39	n.a.	W22
T 23	15 46 5	26°48'08	12♏30	20°56	21°41	7°25	24°15	0°36	1°18	23°36	29°19	29°13	0°31	27°46	n.a.	T 23
F 24	15 50 2	27°45'14	27°27	22°14	22°54	7°48	24°25	0°39	1°21	23°38	29°18	29° 4	0°27	27°52	n.a.	F 24
S 25	15 53 58	28°42'20	12♐33	23°30	24° 8	8°12	24°34	0°41	1°25	23°40	29°17	28°57	0°24	27°59	n.a.	S 25
S 26	15 57 55	29°39'25	27°38	24°43	25°22	8°36	24°44	0°43	1°28	23°43	29°17	28°51	0°21	28° 6	n.a.	S 26
M27	16 1 51	0♊36'30	12♑32	25°53	26°35	9° 0	24°54	0°45	1°31	23°45	29°16	28°48	0°18	28°12	n.a.	M27
T 28	16 5 48	1°33'36	27°10	27° 1	27°49	9°25	25° 3	0°47	1°34	23°47	29°16	28°D47	0°15	28°19	n.a.	T 28
W29	16 9 44	2°30'41	11♒26	28° 5	29° 2	9°50	25°13	0°49	1°37	23°49	29°15	28°47	0°12	28°26	n.a.	W29
T 30	16 13 41	3°27'47	25°21	29° 6	0♊16	10°15	25°22	0°51	1°40	23°51	29°15	28°48	0° 8	28°32	n.a.	T 30
F 31	16 17 38	4♊24'53	8♓53	0♋ 4	1♊30	10♍41	25♓31	0♓53	1♉43	23♉54	29♍14	28°R48	0♒ 5	28♊39	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	13n37	20s 7	0s 0	16n31	1n 3	8n42	1s 4	12n43	1n30	5s 5	1s15	13s36	1s53	11n15	0s24	17n12	1s33	16n 4	17n27	20s 6	20s 1	26n42			n.a.
T 2	13 56	15 21	1n12	17 19	1 12	9 11	1 2	12 37	1 27	5 1	1 15	13 35	1 53	11 16	0 24	17 12	1 33	16 4	17 26	20 6	20 2	26 41			n.a.
F 3	14 15	9 55	2 19	18 6	1 20	9 39	1 0	12 30	1 25	4 56	1 16	13 34	1 54	11 18	0 24	17 13	1 33	16 4	17 26	20 6	20 3	26 41			n.a.
S 4	14 34	4 8	3 17	18 49	1 28	10 7	0 59	12 22	1 23	4 52	1 16	13 32	1 54	11 19	0 24	17 13	1 33	16 4	17 26	20 7	20 4	26 40			n.a.
S 5	14 52	1n44	4 4	19 31	1 35	10 35	0 57	12 15	1 20	4 47	1 16	13 31	1 54	11 20	0 24	17 14	1 33	16 4	17 25	20 8	20 4	26 40			n.a.
M 6	15 11	7 25	4 37	20 10	1 42	11 3	0 55	12 8	1 18	4 42	1 16	13 30	1 54	11 21	0 24	17 15	1 33	16 4	17 25	20 10	20 5	26 39			n.a.
T 7	15 29	12 43	4 56	20 47	1 48	11 31	0 53	12 0	1 16	4 38	1 16	13 29	1 55	11 23	0 24	17 15	1 33	16 4	17 25	20 13	20 6	26 39			n.a.
W 8	15 47	17 24	5 0	21 21	1 53	11 58	0 51	11 52	1 14	4 34	1 16	13 28	1 55	11 24	0 24	17 16	1 33	16 4	17 24	20 15	20 6	26 38			n.a.
T 9	16 4	21 18	4 50	21 53	1 57	12 25	0 49	11 44	1 11	4 29	1 17	13 26	1 55	11 25	0 24	17 16	1 33	16 4	17 24	20 18	20 7	26 38			n.a.
F 10	16 21	24 13	4 27	22 22	2 1	12 52	0 47	11 35	1 9	4 25	1 17	13 25	1 55	11 26	0 24	17 17	1 32	16 4	17 23	20 21	20 8	26 37			n.a.
S 11	16 38	26 0	3 53	22 48	2 4	13 18	0 45	11 27	1 7	4 20	1 17	13 24	1 56	11 27	0 24	17 18	1 32	16 4	17 23	20 23	20 9	26 37			n.a.
S 12	16 55	26 35	3 8	23 13	2 7	13 44	0 43	11 18	1 5	4 16	1 17	13 23	1 56	11 29	0 24	17 18	1 32	16 4	17 22	20 25	20 9	26 36			n.a.
M13	17 12	25 56	2 15	23 34	2 8	14 10	0 40	11 10	1 3	4 12	1 17	13 22	1 56	11 30	0 24	17 19	1 32	16 4	17 22	20 26	20 10	26 36			n.a.
T 14	17 28	24 7	1 17	23 53	2 9	14 35	0 38	11 1	1 0	4 8	1 18	13 21	1 56	11 31	0 24	17 19	1 32	16 4	17 21	20 27	20 11	26 35			n.a.
W15	17 44	21 15	0 15	24 10	2 9	15 0	0 36	10 51	0 58	4 3	1 18	13 20	1 57	11 32	0 24	17 20	1 32	16 4	17 21	20 27	20 11	26 34			n.a.
T 16	17 59	17 27	0s49	24 25	2 9	15 25	0 34	10 42	0 56	3 59	1 18	13 20	1 57	11 33	0 24	17 20	1 32	16 4	17 20	20 27	20 12	26 34			n.a.
F 17	18 15	12 52	1 51	24 37	2 7	15 49	0 32	10 33	0 54	3 55	1 18	13 19	1 57	11 35	0 24	17 21	1 32	16 4	17 20	20 27	20 13	26 33			n.a.
S 18	18 30	7 39	2 50	24 48	2 5	16 13	0 29	10 23	0 52	3 51	1 18	13 18	1 57	11 36	0 24	17 22	1 32	16 4	17 20	20 27	20 13	26 33			n.a.
S 19	18 45	1 59	3 42	24 56	2 3	16 37	0 27	10 13	0 50	3 47	1 18	13 17	1 58	11 37	0 24	17 22	1 32	16 4	17 19	20 27	20 14	26 32			n.a.
M20	18 59	3s57	4 24	25 2	1 59	17 0	0 25	10 3	0 48	3 43	1 19	13 16	1 58	11 38	0 24	17 23	1 32	16 4	17 19	20 28	20 15	26 32			n.a.
T 21	19 13	9 54	4 52	25 6	1 55	17 23	0 23	9 53	0 46	3 39	1 19	13 16	1 58	11 39	0 24	17 23	1 32	16 4	17 18	20 30	20 16	26 31			n.a.
W22	19 27	15 32	5 4	25 9	1 51	17 45	0 20	9 43	0 44	3 35	1 19	13 15	1 58	11 40	0 24	17 24	1 32	16 4	17 18	20 32	20 16	26 30			n.a.
T 23	19 41	20 27	4 56	25 10	1 45	18 7	0 18	9 33	0 43	3 31	1 19	13 14	1 59	11 41	0 24	17 24	1 32	16 3	17 17	20 34	20 17	26 30			n.a.
F 24	19 54	24 10	4 28	25 9	1 39	18 28	0 16	9 22	0 41	3 28	1 20	13 14	1 59	11 43	0 24	17 25	1 32	16 3	17 16	20 35	20 18	26 29			n.a.
S 25	20 7	26 13	3 41	25 6	1 33	18 49	0 13	9 12	0 39	3 24	1 20	13 13	1 59	11 44	0 24	17 25	1 32	16 3	17 16	20 37	20 18	26 28			n.a.
S 26	20 19	26 21	2 39	25 3	1 25	19 9	0 11	9 1	0 37	3 20	1 20	13 12	1 59	11 45	0 24	17 26	1 32	16 3	17 15	20 38	20 19	26 28			n.a.
M27	20 31	24 33	1 26	24 57	1 18	19 29	0 8	8 50	0 35	3 17	1 20	13 12	2 0	11 46	0 24	17 27	1 32	16 3	17 15	20 39	20 20	26 27			n.a.
T 28	20 43	21 7	0 9	24 51	1 9	19 49	0 6	8 39	0 33	3 13	1 20	13 11	2 0	11 47	0 24	17 27	1 32	16 2	17 14	20 39	20 20	26 26			n.a.
W29	20 55	16 29	1n 7	24 43	1 0	20 7	0 4	8 28	0 32	3 9	1 21	13 11	2 0	11 48	0 24	17 28	1 32	16 2	17 14	20 39	20 21	26 26			n.a.
T 30	21 6	11 4	2 18	24 34	0 50	20 26	0 1	8 16	0 30	3 6	1 21	13 11	2 1	11 49	0 24	17 28	1 32	16 2	17 13	20 39	20 22	26 25			n.a.
F 31	21n17	5s17	3n18	24n24	0n40	20n43	0n 1	8n 5	0n28	3s 2	1s21	13s10	2s 1	11n50	0s24	17n29	1s32	16n 1	17n13	20s39	20s22	26n24			n.a.

Julian Day Number = 1632422.5, Delta T = 03h41m07s
Ecliptic obliquity = 23°43'34, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°26'03, Lahiri = - 7°19'02 Julian Calendar 1 May 244 BCE == Greg. Calendar 27 Apr. 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

JUNE 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 21 34	5♊21'59	22♓ 6	0♋59	2♊43	11♍ 7	25♓40	0♓55	1♉46	23♉56	29°R14	28°R47	0♒ 2	28♊46	n.a.	S 1
S 2	16 25 31	6°19'05	5♈ 1	1°50	3°57	11°34	25°49	0°56	1°49	23°58	29♍13	28♂43	29♂59	28°52	n.a.	S 2
M 3	16 29 27	7°16'12	17°41	2°38	5°11	12° 0	25°58	0°58	1°52	24° 0	29°13	28°38	29°56	28°59	n.a.	M 3
T 4	16 33 24	8°13'19	0♉ 8	3°23	6°24	12°27	26° 6	0°59	1°55	24° 2	29°13	28°30	29°53	29° 6	n.a.	T 4
W 5	16 37 20	9°10'27	12°25	4° 3	7°38	12°55	26°15	1° 0	1°58	24° 5	29°12	28°22	29°49	29°12	n.a.	W 5
T 6	16 41 17	10° 7'34	24°32	4°40	8°52	13°22	26°23	1° 1	2° 1	24° 7	29°12	28°13	29°46	29°19	n.a.	T 6
F 7	16 45 13	11° 4'42	6♊32	5°13	10° 6	13°50	26°31	1° 2	2° 4	24° 9	29°12	28° 4	29°43	29°26	n.a.	F 7
S 8	16 49 10	12° 1'51	18°25	5°41	11°19	14°19	26°40	1° 3	2° 7	24°11	29°12	27°57	29°40	29°32	n.a.	S 8
S 9	16 53 7	12°58'59	0♋15	6° 6	12°33	14°47	26°48	1° 4	2°10	24°13	29°12	27°52	29°37	29°39	n.a.	S 9
M10	16 57 3	13°56'08	12° 2	6°26	13°47	15°16	26°55	1° 5	2°13	24°15	29°11	27°48	29°33	29°46	n.a.	M10
T 11	17 1 0	14°53'17	23°50	6°41	15° 1	15°45	27° 3	1° 5	2°16	24°18	29°11	27°D47	29°30	29°52	n.a.	T 11
W12	17 4 56	15°50'26	5♌41	6°52	16°15	16°15	27°11	1° 6	2°18	24°20	29°11	27°47	29°27	29°59	n.a.	W12
T 13	17 8 53	16°47'35	17°40	6°58	17°28	16°44	27°18	1° 6	2°21	24°22	29°D11	27°48	29°24	0♋ 6	n.a.	T 13
F 14	17 12 49	17°44'45	29°51	6°R59	18°42	17°14	27°25	1° 7	2°24	24°24	29°11	27°50	29°21	0°12	n.a.	F 14
S 15	17 16 46	18°41'54	12♍19	6°56	19°56	17°45	27°32	1° 7	2°26	24°26	29°11	27°51	29°18	0°19	n.a.	S 15
S 16	17 20 42	19°39'04	25° 8	6°47	21°10	18°15	27°39	1° 7	2°29	24°28	29°11	27°R51	29°14	0°26	n.a.	S 16
M17	17 24 39	20°36'14	8♎22	6°34	22°24	18°46	27°46	1°R 7	2°32	24°30	29°12	27°50	29°11	0°32	n.a.	M17
T 18	17 28 36	21°33'24	22° 4	6°17	23°38	19°17	27°53	1° 7	2°34	24°32	29°12	27°47	29° 8	0°39	n.a.	T 18
W19	17 32 32	22°30'35	6♏15	5°54	24°51	19°48	27°59	1° 7	2°37	24°34	29°12	27°43	29° 5	0°46	n.a.	W19
T 20	17 36 29	23°27'46	20°51	5°28	26° 5	20°20	28° 5	1° 7	2°39	24°36	29°12	27°38	29° 2	0°52	n.a.	T 20
F 21	17 40 25	24°24'58	5♐49	4°57	27°19	20°51	28°12	1° 6	2°42	24°38	29°12	27°33	28°59	0°59	n.a.	F 21
S 22	17 44 22	25°22'10	21° 0	4°23	28°33	21°23	28°18	1° 6	2°44	24°40	29°13	27°29	28°55	1° 6	n.a.	S 22
S 23	17 48 18	26°19'23	6♑15	3°45	29°47	21°55	28°24	1° 5	2°46	24°42	29°13	27°26	28°52	1°12	n.a.	S 23
M24	17 52 15	27°16'37	21°22	3° 6	1♋ 1	22°28	28°29	1° 4	2°49	24°44	29°13	27°D25	28°49	1°19	n.a.	M24
T 25	17 56 12	28°13'52	6♒14	2°24	2°15	23° 0	28°35	1° 4	2°51	24°46	29°14	27°25	28°46	1°26	n.a.	T 25
W26	18 0 8	29°11'08	20°44	1°41	3°29	23°33	28°40	1° 3	2°53	24°48	29°14	27°26	28°43	1°32	n.a.	W26
T 27	18 4 5	0♋ 8'24	4♓49	0°57	4°43	24° 6	28°45	1° 2	2°56	24°50	29°14	27°28	28°39	1°39	n.a.	T 27
F 28	18 8 1	1° 5'42	18°29	0°14	5°57	24°39	28°50	1° 1	2°58	24°52	29°15	27°29	28°36	1°46	n.a.	F 28
S 29	18 11 58	2° 3'01	1♈44	29♊32	7°11	25°13	28°55	0°59	3° 0	24°54	29°15	27°R29	28°33	1°52	n.a.	S 29
S 30	18 15 54	3♋ 0'22	14♈37	28♊51	8♋25	25♍47	29♓ 0	0♓58	3♉ 2	24♉56	29♍16	27♂29	28♂30	1♋59	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n27	0n36	4n 6	24n13	0n29	21n 1	0n 3	7n53	0n26	2s59	1s21	13s10	2s 1	11n51	0s24	17n29	1s32	16n 1	17n12	20s39	20s23	26n24		n.a.
S 2	21 37	6 18	4 41	24 1	0 18	21 17	0 6	7 42	0 25	2 56	1 22	13 10	2 1	11 52	0 24	17 30	1 32	16 1	17 12	20 40	20 24	26 23		n.a.
M 3	21 47	11 39	5 1	23 48	0 6	21 33	0 8	7 30	0 23	2 52	1 22	13 9	2 2	11 53	0 24	17 30	1 32	16 0	17 11	20 41	20 24	26 22		n.a.
T 4	21 56	16 25	5 7	23 35	0s 6	21 49	0 10	7 18	0 21	2 49	1 22	13 9	2 2	11 54	0 24	17 31	1 32	16 0	17 11	20 42	20 25	26 22		n.a.
W 5	22 5	20 27	4 58	23 21	0 19	22 3	0 13	7 6	0 20	2 46	1 22	13 9	2 2	11 55	0 24	17 32	1 32	16 0	17 10	20 44	20 26	26 21		n.a.
T 6	22 14	23 34	4 35	23 7	0 32	22 18	0 15	6 53	0 18	2 43	1 22	13 9	2 2	11 56	0 24	17 32	1 32	15 59	17 9	20 46	20 27	26 20		n.a.
F 7	22 22	25 37	4 1	22 52	0 45	22 31	0 17	6 41	0 17	2 40	1 23	13 9	2 3	11 57	0 24	17 33	1 32	15 59	17 9	20 48	20 27	26 19		n.a.
S 8	22 30	26 29	3 16	22 37	0 59	22 44	0 20	6 29	0 15	2 37	1 23	13 8	2 3	11 58	0 24	17 33	1 32	15 58	17 8	20 49	20 28	26 19		n.a.
S 9	22 38	26 7	2 23	22 21	1 14	22 56	0 22	6 16	0 13	2 34	1 23	13 8	2 3	11 59	0 24	17 34	1 32	15 58	17 8	20 50	20 29	26 18		n.a.
M10	22 45	24 34	1 24	22 6	1 28	23 8	0 24	6 3	0 12	2 31	1 23	13 8	2 3	12 0	0 24	17 34	1 32	15 57	17 7	20 51	20 29	26 17		n.a.
T 11	22 51	21 57	0 21	21 50	1 43	23 19	0 27	5 51	0 10	2 28	1 24	13 8	2 4	12 1	0 24	17 35	1 32	15 57	17 6	20 51	20 30	26 16		n.a.
W12	22 58	18 23	0s43	21 35	1 58	23 29	0 29	5 38	0 9	2 25	1 24	13 8	2 4	12 2	0 24	17 35	1 32	15 56	17 6	20 51	20 31	26 16		n.a.
T 13	23 4	14 2	1 46	21 20	2 13	23 39	0 31	5 25	0 7	2 22	1 24	13 9	2 4	12 3	0 24	17 36	1 32	15 56	17 5	20 51	20 31	26 15		n.a.
F 14	23 9	9 4	2 46	21 5	2 28	23 47	0 33	5 11	0 6	2 20	1 24	13 9	2 5	12 4	0 24	17 36	1 32	15 55	17 5	20 51	20 32	26 14		n.a.
S 15	23 14	3 39	3 39	20 50	2 42	23 56	0 35	4 58	0 4	2 17	1 25	13 9	2 5	12 5	0 24	17 37	1 32	15 55	17 4	20 50	20 33	26 13		n.a.
S 16	23 19	2s 3	4 23	20 36	2 57	24 3	0 38	4 45	0 3	2 14	1 25	13 9	2 5	12 6	0 24	17 37	1 32	15 54	17 4	20 50	20 33	26 13		n.a.
M17	23 23	7 51	4 54	20 23	3 11	24 10	0 40	4 31	0 2	2 12	1 25	13 9	2 5	12 7	0 24	17 38	1 32	15 54	17 3	20 51	20 34	26 12		n.a.
T 18	23 27	13 29	5 10	20 10	3 25	24 16	0 42	4 18	0 0	2 9	1 25	13 10	2 6	12 8	0 24	17 38	1 33	15 53	17 2	20 51	20 35	26 11		n.a.
W19	23 31	18 36	5 8	19 58	3 38	24 21	0 44	4 4	0s 1	2 7	1 26	13 10	2 6	12 9	0 24	17 39	1 33	15 52	17 2	20 52	20 35	26 10		n.a.
T 20	23 34	22 47	4 47	19 47	3 50	24 26	0 46	3 50	0 3	2 5	1 26	13 10	2 6	12 10	0 24	17 39	1 33	15 52	17 1	20 53	20 36	26 9		n.a.
F 21	23 36	25 33	4 5	19 37	4 1	24 30	0 48	3 36	0 4	2 3	1 26	13 11	2 6	12 10	0 24	17 40	1 33	15 51	17 1	20 54	20 37	26 9		n.a.
S 22	23 39	26 31	3 6	19 28	4 11	24 33	0 50	3 22	0 5	2 0	1 27	13 11	2 7	12 11	0 24	17 40	1 33	15 50	17 0	20 55	20 37	26 8		n.a.
S 23	23 40	25 28	1 53	19 20	4 21	24 35	0 52	3 8	0 7	1 58	1 27	13 12	2 7	12 12	0 24	17 41	1 33	15 50	16 59	20 55	20 38	26 7		n.a.
M24	23 42	22 33	0 33	19 13	4 28	24 37	0 54	2 54	0 8	1 56	1 27	13 12	2 7	12 13	0 24	17 41	1 33	15 49	16 59	20 56	20 39	26 6		n.a.
T 25	23 43	18 10	0n48	19 8	4 34	24 38	0 55	2 40	0 9	1 54	1 27	13 13	2 8	12 14	0 24	17 41	1 33	15 48	16 58	20 56	20 39	26 5		n.a.
W26	23 43	12 47	2 5	19 4	4 39	24 38	0 57	2 26	0 10	1 52	1 28	13 13	2 8	12 14	0 24	17 42	1 33	15 48	16 58	20 55	20 40	26 4		n.a.
T 27	23 44	6 54	3 11	19 1	4 42	24 37	0 59	2 11	0 12	1 51	1 28	13 14	2 8	12 15	0 24	17 42	1 33	15 47	16 57	20 55	20 41	26 3		n.a.
F 28	23 43	0 52	4 5	19 0	4 43	24 36	1 1	1 57	0 13	1 49	1 28	13 14	2 8	12 16	0 24	17 43	1 33	15 46	16 56	20 55	20 41	26 3		n.a.
S 29	23 43	5n 1	4 43	19 1	4 43	24 34	1 2	1 42	0 14	1 47	1 29	13 15	2 9	12 17	0 24	17 43	1 33	15 46	16 56	20 55	20 42	26 2		n.a.
S 30	23n41	10n32	5n 7	19n 3	4s41	24n31	1n 4	1n28	0s15	1s45	1s29	13s16	2s 9	12n17	0s24	17n44	1s33	15n45	16n55	20s55	20s42	26n 1		n.a.

Julian Day Number = 1632453.5, Delta T = 03h41m06s
Ecliptic obliquity = 23°43'34, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'58, Lahiri = - 7°18'58 Julian Calendar 1 June 244 BCE == Greg. Calendar 28 May 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

JULY 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 19 51	3♋57'43	27♈11	28°R13	9♋39	26♍20	29♓ 4	0°R57	3♉ 4	24♉57	29♍17	27°R27	28♏27	2♋ 6	n.a.	M 1
T 2	18 23 47	4°55'06	9♉31	27♊39	10°53	26°55	29° 9	0♓55	3° 6	24°59	29°17	27♏25	28°24	2°12	n.a.	T 2
W 3	18 27 44	5°52'30	21°38	27° 9	12° 7	27°29	29°13	0°54	3° 8	25° 1	29°18	27°22	28°20	2°19	n.a.	W 3
T 4	18 31 41	6°49'56	3♊36	26°43	13°21	28° 3	29°17	0°52	3°10	25° 3	29°19	27°18	28°17	2°26	n.a.	T 4
F 5	18 35 37	7°47'22	15°29	26°22	14°35	28°38	29°21	0°50	3°12	25° 5	29°19	27°15	28°14	2°32	n.a.	F 5
S 6	18 39 34	8°44'50	27°18	26° 7	15°49	29°13	29°24	0°48	3°14	25° 6	29°20	27°13	28°11	2°39	n.a.	S 6
S 7	18 43 30	9°42'19	9♋ 6	25°58	17° 3	29°48	29°28	0°46	3°16	25° 8	29°21	27°11	28° 8	2°46	n.a.	S 7
M 8	18 47 27	10°39'50	20°55	25°D55	18°17	0♎23	29°31	0°44	3°18	25°10	29°22	27°10	28° 5	2°52	n.a.	M 8
T 9	18 51 23	11°37'21	2♌47	25°59	19°31	0°58	29°34	0°42	3°20	25°11	29°23	27°D10	28° 1	2°59	n.a.	T 9
W10	18 55 20	12°34'54	14°44	26°10	20°46	1°34	29°37	0°40	3°21	25°13	29°23	27°11	27°58	3° 6	n.a.	W10
T 11	18 59 16	13°32'27	26°50	26°28	22° 0	2°10	29°39	0°38	3°23	25°15	29°24	27°12	27°55	3°12	n.a.	T 11
F 12	19 3 13	14°30'02	9♍ 7	26°52	23°14	2°46	29°42	0°35	3°25	25°16	29°25	27°13	27°52	3°19	n.a.	F 12
S 13	19 7 10	15°27'38	21°39	27°24	24°28	3°22	29°44	0°33	3°26	25°18	29°26	27°14	27°49	3°26	n.a.	S 13
S 14	19 11 6	16°25'15	4♎29	28° 2	25°42	3°58	29°46	0°30	3°28	25°19	29°27	27°15	27°45	3°32	n.a.	S 14
M15	19 15 3	17°22'53	17°40	28°48	26°56	4°35	29°48	0°27	3°29	25°21	29°28	27°R15	27°42	3°39	n.a.	M15
T 16	19 18 59	18°20'32	1♏15	29°40	28°10	5°11	29°50	0°25	3°31	25°22	29°29	27°15	27°39	3°46	n.a.	T 16
W17	19 22 56	19°18'12	15°15	0♋38	29°25	5°48	29°52	0°22	3°32	25°24	29°30	27°14	27°36	3°52	n.a.	W17
T 18	19 26 52	20°15'54	29°39	1°43	0♌39	6°25	29°53	0°19	3°33	25°25	29°32	27°13	27°33	3°59	n.a.	T 18
F 19	19 30 49	21°13'37	14♐24	2°54	1°53	7° 2	29°54	0°16	3°35	25°27	29°33	27°13	27°30	4° 6	n.a.	F 19
S 20	19 34 45	22°11'21	29°24	4°11	3° 7	7°40	29°55	0°13	3°36	25°28	29°34	27°12	27°26	4°12	n.a.	S 20
S 21	19 38 42	23° 9'07	14♑32	5°34	4°21	8°17	29°56	0°10	3°37	25°30	29°35	27°12	27°23	4°19	n.a.	S 21
M22	19 42 39	24° 6'54	29°39	7° 1	5°36	8°55	29°56	0° 6	3°38	25°31	29°37	27°D12	27°20	4°26	n.a.	M22
T 23	19 46 35	25° 4'42	14♒35	8°34	6°50	9°32	29°57	0° 3	3°39	25°32	29°38	27°12	27°17	4°32	n.a.	T 23
W24	19 50 32	26° 2'33	29°14	10°10	8° 4	10°10	29°R57	29♒59	3°40	25°34	29°39	27°12	27°14	4°39	n.a.	W24
T 25	19 54 28	27° 0'25	13♓28	11°51	9°18	10°48	29°57	29°56	3°42	25°35	29°40	27°R12	27°11	4°46	n.a.	T 25
F 26	19 58 25	27°58'18	27°17	13°35	10°32	11°26	29°56	29°53	3°42	25°36	29°42	27°12	27° 7	4°52	n.a.	F 26
S 27	20 2 21	28°56'14	10♈39	15°23	11°47	12° 5	29°56	29°49	3°43	25°37	29°43	27°12	27° 4	4°59	n.a.	S 27
S 28	20 6 18	29°54'12	23°35	17°13	13° 1	12°43	29°55	29°45	3°44	25°39	29°45	27°12	27° 1	5° 6	n.a.	S 28
M29	20 10 14	0♌52'12	6♉10	19° 5	14°15	13°22	29°54	29°41	3°45	25°40	29°46	27°D12	26°58	5°12	n.a.	M29
T 30	20 14 11	1°50'14	18°27	20°59	15°29	14° 1	29°53	29°38	3°46	25°41	29°48	27°12	26°55	5°19	n.a.	T 30
W31	20 18 8	2♌48'18	0♊31	22♋54	16♌44	14♎39	29♓52	29♒34	3♉47	25♉42	29♍49	27♏12	26♏51	5♋26	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23n40	15n28	5n15	19n 6	4s37	24n28	1n 6	1n13	0s17	1s44	1s29	13s17	2s 9	12n18	0s24	17n44	1s33	15n44	16n55	20s55	20s43	26n 0			n.a.
T 2	23 38	19 41	5 8	19 11	4 31	24 23	1 7	0 58	0 18	1 42	1 29	13 17	2 9	12 19	0 24	17 44	1 33	15 43	16 54	20 56	20 44	25 59			n.a.
W 3	23 36	23 0	4 47	19 18	4 24	24 18	1 9	0 43	0 19	1 41	1 30	13 18	2 10	12 20	0 24	17 45	1 33	15 42	16 54	20 56	20 44	25 58			n.a.
T 4	23 33	25 17	4 14	19 26	4 15	24 13	1 10	0 28	0 20	1 40	1 30	13 19	2 10	12 20	0 24	17 45	1 33	15 42	16 53	20 57	20 45	25 57			n.a.
F 5	23 30	26 24	3 30	19 35	4 5	24 6	1 11	0 13	0 21	1 38	1 30	13 20	2 10	12 21	0 24	17 46	1 33	15 41	16 52	20 58	20 46	25 56			n.a.
S 6	23 26	26 19	2 38	19 46	3 54	23 59	1 13	0s 2	0 23	1 37	1 31	13 21	2 10	12 22	0 24	17 46	1 33	15 40	16 52	20 58	20 46	25 55			n.a.
S 7	23 22	25 3	1 38	19 58	3 42	23 51	1 14	0 17	0 24	1 36	1 31	13 22	2 11	12 22	0 24	17 46	1 33	15 39	16 51	20 58	20 47	25 54			n.a.
M 8	23 17	22 39	0 35	20 12	3 28	23 42	1 15	0 32	0 25	1 35	1 31	13 23	2 11	12 23	0 24	17 47	1 33	15 38	16 51	20 59	20 48	25 53			n.a.
T 9	23 13	19 16	0s31	20 26	3 14	23 33	1 16	0 47	0 26	1 34	1 31	13 24	2 11	12 23	0 24	17 47	1 33	15 38	16 50	20 59	20 48	25 52			n.a.
W10	23 7	15 5	1 36	20 41	2 59	23 23	1 18	1 3	0 27	1 33	1 32	13 25	2 11	12 24	0 24	17 48	1 33	15 37	16 50	20 58	20 49	25 51			n.a.
T 11	23 2	10 15	2 37	20 57	2 44	23 12	1 19	1 18	0 28	1 32	1 32	13 26	2 12	12 24	0 24	17 48	1 33	15 36	16 49	20 58	20 50	25 50			n.a.
F 12	22 56	4 58	3 32	21 13	2 28	23 0	1 20	1 34	0 29	1 32	1 32	13 27	2 12	12 25	0 24	17 48	1 33	15 35	16 48	20 58	20 50	25 50			n.a.
S 13	22 49	0s36	4 18	21 29	2 13	22 48	1 21	1 49	0 30	1 31	1 33	13 28	2 12	12 26	0 24	17 49	1 33	15 34	16 48	20 58	20 51	25 49			n.a.
S 14	22 42	6 16	4 53	21 46	1 57	22 35	1 21	2 5	0 31	1 31	1 33	13 29	2 12	12 26	0 24	17 49	1 33	15 33	16 47	20 58	20 52	25 48			n.a.
M15	22 35	11 49	5 13	22 3	1 40	22 22	1 22	2 20	0 32	1 30	1 33	13 30	2 13	12 27	0 24	17 49	1 33	15 32	16 47	20 58	20 52	25 47			n.a.
T 16	22 27	16 59	5 17	22 19	1 24	22 8	1 23	2 36	0 33	1 30	1 33	13 32	2 13	12 27	0 24	17 50	1 33	15 31	16 46	20 58	20 53	25 46			n.a.
W17	22 19	21 24	5 2	22 35	1 9	21 53	1 24	2 51	0 34	1 29	1 34	13 33	2 13	12 28	0 25	17 50	1 33	15 30	16 46	20 58	20 53	25 45			n.a.
T 18	22 11	24 41	4 28	22 50	0 53	21 37	1 24	3 7	0 35	1 29	1 34	13 34	2 13	12 28	0 25	17 50	1 33	15 29	16 45	20 58	20 54	25 44			n.a.
F 19	22 2	26 23	3 36	23 4	0 38	21 21	1 25	3 23	0 36	1 29	1 34	13 35	2 13	12 28	0 25	17 51	1 33	15 28	16 45	20 58	20 55	25 43			n.a.
S 20	21 52	26 12	2 28	23 16	0 23	21 5	1 25	3 39	0 37	1 29	1 35	13 37	2 14	12 29	0 25	17 51	1 33	15 27	16 44	20 58	20 55	25 41			n.a.
S 21	21 43	24 5	1 10	23 27	0 9	20 47	1 26	3 55	0 38	1 29	1 35	13 38	2 14	12 29	0 25	17 51	1 33	15 26	16 44	20 58	20 56	25 40			n.a.
M22	21 33	20 15	0n14	23 37	0n 4	20 29	1 26	4 11	0 39	1 29	1 35	13 39	2 14	12 30	0 25	17 51	1 33	15 25	16 43	20 58	20 57	25 39			n.a.
T 23	21 22	15 8	1 35	23 44	0 17	20 11	1 27	4 26	0 40	1 29	1 36	13 41	2 14	12 30	0 25	17 52	1 33	15 24	16 42	20 58	20 57	25 38			n.a.
W24	21 12	9 15	2 49	23 49	0 29	19 52	1 27	4 42	0 41	1 29	1 36	13 42	2 15	12 30	0 25	17 52	1 34	15 23	16 42	20 58	20 58	25 37			n.a.
T 25	21 0	3 2	3 50	23 52	0 40	19 32	1 27	4 58	0 42	1 29	1 36	13 44	2 15	12 31	0 25	17 52	1 34	15 22	16 41	20 58	20 58	25 36			n.a.
F 26	20 49	3n 7	4 36	23 52	0 51	19 12	1 27	5 14	0 43	1 30	1 36	13 45	2 15	12 31	0 25	17 53	1 34	15 21	16 41	20 58	20 59	25 35			n.a.
S 27	20 37	8 55	5 5	23 50	1 0	18 51	1 27	5 30	0 44	1 30	1 37	13 47	2 15	12 31	0 25	17 53	1 34	15 20	16 40	20 58	21 0	25 34			n.a.
S 28	20 25	14 10	5 17	23 45	1 9	18 30	1 27	5 46	0 45	1 31	1 37	13 48	2 15	12 32	0 25	17 53	1 34	15 19	16 40	20 58	21 0	25 33			n.a.
M29	20 12	18 40	5 14	23 37	1 17	18 8	1 27	6 2	0 46	1 31	1 37	13 50	2 15	12 32	0 25	17 53	1 34	15 18	16 39	20 58	21 1	25 32			n.a.
T 30	19 59	22 16	4 56	23 26	1 23	17 46	1 27	6 18	0 47	1 32	1 38	13 51	2 16	12 32	0 25	17 54	1 34	15 17	16 39	20 58	21 2	25 31			n.a.
W31	19n46	24n50	4n26	23n13	1n29	17n23	1n27	6s34	0s47	1s33	1s38	13s53	2s16	12n32	0s25	17n54	1s34	15n16	16n38	20s58	21s 2	25n30			n.a.

Julian Day Number = 1632483.5, Delta T = 03h41m05s
Ecliptic obliquity = 23°43'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'54, Lahiri = - 7°18'54 Julian Calendar 1 July 244 BCE == Greg. Calendar 27 June 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

AUGUST 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 22 4	3♌46'24	12♊25	24♋50	17♌58	15♎18	29°R51	29°R30	3♉47	25♉43	29♍51	27♏13	26♏48	5♋32	n.a.	T 1
F 2	20 26 1	4°44'32	24°14	26°47	19°12	15°58	29♓49	29♒26	3°48	25°44	29°52	27°14	26°45	5°39	n.a.	F 2
S 3	20 29 57	5°42'42	6♋ 2	28°44	20°27	16°37	29°47	29°22	3°48	25°45	29°54	27°14	26°42	5°45	n.a.	S 3
S 4	20 33 54	6°40'53	17°51	0♌41	21°41	17°16	29°45	29°18	3°49	25°46	29°56	27°15	26°39	5°52	n.a.	S 4
M 5	20 37 50	7°39'07	29°45	2°38	22°55	17°56	29°43	29°14	3°49	25°47	29°57	27°R15	26°36	5°59	n.a.	M 5
T 6	20 41 47	8°37'23	11♌45	4°35	24° 9	18°36	29°40	29° 9	3°50	25°48	29°59	27°15	26°32	6° 5	n.a.	T 6
W 7	20 45 43	9°35'41	23°54	6°31	25°24	19°16	29°38	29° 5	3°50	25°49	0♎ 1	27°14	26°29	6°12	n.a.	W 7
T 8	20 49 40	10°34'00	6♍13	8°27	26°38	19°55	29°35	29° 1	3°51	25°50	0° 2	27°12	26°26	6°19	n.a.	T 8
F 9	20 53 37	11°32'21	18°44	10°22	27°52	20°36	29°32	28°56	3°51	25°51	0° 4	27°10	26°23	6°25	n.a.	F 9
S 10	20 57 33	12°30'44	1♎28	12°16	29° 7	21°16	29°29	28°52	3°51	25°51	0° 6	27° 8	26°20	6°32	n.a.	S 10
S 11	21 1 30	13°29'09	14°27	14° 9	0♍21	21°56	29°25	28°48	3°51	25°52	0° 8	27° 6	26°16	6°39	n.a.	S 11
M12	21 5 26	14°27'35	27°43	16° 1	1°35	22°37	29°22	28°43	3°51	25°53	0°10	27° 5	26°13	6°45	n.a.	M12
T 13	21 9 23	15°26'03	11♏15	17°52	2°49	23°17	29°18	28°39	3°51	25°54	0°11	27°D 4	26°10	6°52	n.a.	T 13
W14	21 13 19	16°24'33	25° 6	19°43	4° 4	23°58	29°14	28°34	3°R51	25°54	0°13	27° 4	26° 7	6°59	n.a.	W14
T 15	21 17 16	17°23'05	9♐15	21°32	5°18	24°39	29°10	28°30	3°51	25°55	0°15	27° 5	26° 4	7° 5	n.a.	T 15
F 16	21 21 12	18°21'38	23°41	23°20	6°32	25°20	29° 5	28°25	3°51	25°56	0°17	27° 6	26° 1	7°12	n.a.	F 16
S 17	21 25 9	19°20'14	8♑20	25° 7	7°47	26° 1	29° 1	28°21	3°51	25°56	0°19	27° 8	25°57	7°19	n.a.	S 17
S 18	21 29 6	20°18'51	23° 9	26°53	9° 1	26°42	28°56	28°16	3°51	25°57	0°21	27°R 8	25°54	7°25	n.a.	S 18
M19	21 33 2	21°17'29	8♒ 0	28°37	10°15	27°23	28°51	28°11	3°51	25°57	0°23	27° 8	25°51	7°32	n.a.	M19
T 20	21 36 59	22°16'10	22°46	0♍21	11°29	28° 4	28°46	28° 7	3°50	25°58	0°25	27° 6	25°48	7°39	n.a.	T 20
W21	21 40 55	23°14'53	7♓19	2° 4	12°44	28°46	28°41	28° 2	3°50	25°58	0°27	27° 4	25°45	7°45	n.a.	W21
T 22	21 44 52	24°13'38	21°34	3°46	13°58	29°28	28°36	27°57	3°50	25°59	0°29	27° 0	25°42	7°52	n.a.	T 22
F 23	21 48 48	25°12'25	5♈26	5°27	15°12	0♏ 9	28°30	27°53	3°49	25°59	0°31	26°56	25°38	7°59	n.a.	F 23
S 24	21 52 45	26°11'15	18°53	7° 7	16°26	0°51	28°25	27°48	3°49	25°59	0°33	26°52	25°35	8° 5	n.a.	S 24
S 25	21 56 41	27°10'07	1♉54	8°45	17°41	1°33	28°19	27°43	3°48	26° 0	0°35	26°48	25°32	8°12	n.a.	S 25
M26	22 0 38	28° 9'01	14°32	10°23	18°55	2°15	28°13	27°39	3°48	26° 0	0°37	26°46	25°29	8°19	n.a.	M26
T 27	22 4 35	29° 7'58	26°51	12° 0	20° 9	2°57	28° 7	27°34	3°47	26° 0	0°40	26°D45	25°26	8°25	n.a.	T 27
W28	22 8 31	0♍ 6'57	8♊54	13°37	21°23	3°39	28° 1	27°29	3°46	26° 0	0°42	26°45	25°22	8°32	n.a.	W28
T 29	22 12 28	1° 5'58	20°48	15°12	22°37	4°22	27°54	27°24	3°45	26° 1	0°44	26°47	25°19	8°38	n.a.	T 29
F 30	22 16 24	2° 5'02	2♋36	16°46	23°52	5° 4	27°48	27°20	3°45	26° 1	0°46	26°48	25°16	8°45	n.a.	F 30
S 31	22 20 21	3♍ 4'09	14♋24	18♍20	25♍ 6	5♏46	27♓41	27♒15	3♉44	26♉ 1	0♎48	26♏50	25♏13	8♋52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
T 1	19n32	26n15	3n44	22n58	1n34	17n 0	1n26	6s50	0s48	1s34	1s38	13s54	2s16	12n33	0s25	17n54	1s34	15n15	16n38	20s58	21s 3	25n29					n.a.
F 2	19 18	26 29	2 53	22 40	1 39	16 36	1 26	7 6	0 49	1 34	1 38	13 56	2 16	12 33	0 25	17 54	1 34	15 14	16 37	20 58	21 3	25 28					n.a.
S 3	19 4	25 30	1 55	22 19	1 42	16 12	1 26	7 22	0 50	1 35	1 39	13 57	2 16	12 33	0 25	17 54	1 34	15 13	16 37	20 58	21 4	25 26					n.a.
S 4	18 50	23 23	0 52	21 57	1 45	15 47	1 25	7 39	0 51	1 37	1 39	13 59	2 17	12 33	0 25	17 55	1 34	15 12	16 37	20 58	21 5	25 25					n.a.
M 5	18 35	20 13	0s14	21 32	1 46	15 22	1 25	7 55	0 52	1 38	1 39	14 1	2 17	12 33	0 25	17 55	1 34	15 11	16 36	20 58	21 5	25 24					n.a.
T 6	18 19	16 12	1 20	21 5	1 47	14 57	1 24	8 11	0 52	1 39	1 39	14 2	2 17	12 33	0 25	17 55	1 34	15 10	16 36	20 58	21 6	25 23					n.a.
W 7	18 4	11 29	2 22	20 36	1 48	14 31	1 23	8 27	0 53	1 40	1 40	14 4	2 17	12 34	0 25	17 55	1 34	15 9	16 35	20 58	21 6	25 22					n.a.
T 8	17 48	6 15	3 19	20 6	1 48	14 4	1 22	8 43	0 54	1 42	1 40	14 6	2 17	12 34	0 25	17 55	1 34	15 8	16 35	20 58	21 7	25 21					n.a.
F 9	17 32	0 43	4 8	19 34	1 47	13 38	1 22	8 59	0 55	1 43	1 40	14 7	2 17	12 34	0 25	17 55	1 34	15 7	16 34	20 59	21 8	25 20					n.a.
S 10	17 15	4s56	4 45	19 0	1 45	13 11	1 21	9 15	0 55	1 45	1 41	14 9	2 17	12 34	0 25	17 56	1 34	15 5	16 34	20 59	21 8	25 18					n.a.
S 11	16 58	10 29	5 8	18 26	1 43	12 43	1 20	9 31	0 56	1 46	1 41	14 11	2 18	12 34	0 25	17 56	1 34	15 4	16 33	20 59	21 9	25 17					n.a.
M12	16 41	15 41	5 16	17 50	1 41	12 16	1 19	9 47	0 57	1 48	1 41	14 12	2 18	12 34	0 25	17 56	1 34	15 3	16 33	21 0	21 10	25 16					n.a.
T 13	16 24	20 14	5 6	17 13	1 38	11 48	1 18	10 3	0 58	1 50	1 41	14 14	2 18	12 34	0 25	17 56	1 34	15 2	16 33	21 0	21 10	25 15					n.a.
W14	16 6	23 46	4 39	16 35	1 35	11 19	1 17	10 19	0 58	1 51	1 42	14 16	2 18	12 34	0 25	17 56	1 34	15 1	16 32	21 0	21 11	25 14					n.a.
T 15	15 49	25 58	3 54	15 56	1 31	10 51	1 15	10 34	0 59	1 53	1 42	14 17	2 18	12 34	0 25	17 56	1 34	15 0	16 32	21 0	21 11	25 12					n.a.
F 16	15 30	26 28	2 54	15 16	1 27	10 22	1 14	10 50	1 0	1 55	1 42	14 19	2 18	12 34	0 25	17 56	1 34	14 59	16 32	20 59	21 12	25 11					n.a.
S 17	15 12	25 9	1 42	14 36	1 22	9 53	1 13	11 6	1 0	1 57	1 42	14 21	2 18	12 34	0 25	17 56	1 35	14 58	16 31	20 59	21 13	25 10					n.a.
S 18	14 53	22 5	0 22	13 55	1 18	9 23	1 11	11 22	1 1	1 59	1 42	14 23	2 18	12 34	0 25	17 57	1 35	14 57	16 31	20 59	21 13	25 9					n.a.
M19	14 34	17 32	0n59	13 14	1 13	8 53	1 10	11 37	1 2	2 2	1 43	14 24	2 18	12 34	0 25	17 57	1 35	14 55	16 30	20 59	21 14	25 8					n.a.
T 20	14 15	11 57	2 16	12 32	1 7	8 23	1 8	11 53	1 2	2 4	1 43	14 26	2 18	12 33	0 25	17 57	1 35	14 54	16 30	20 59	21 14	25 6					n.a.
W21	13 56	5 47	3 23	11 49	1 2	7 53	1 7	12 9	1 3	2 6	1 43	14 28	2 19	12 33	0 25	17 57	1 35	14 53	16 30	21 0	21 15	25 5					n.a.
T 22	13 36	0n32	4 16	11 7	0 56	7 23	1 5	12 24	1 4	2 8	1 43	14 29	2 19	12 33	0 25	17 57	1 35	14 52	16 29	21 1	21 16	25 4					n.a.
F 23	13 16	6 38	4 52	10 24	0 50	6 52	1 3	12 40	1 4	2 11	1 43	14 31	2 19	12 33	0 25	17 57	1 35	14 51	16 29	21 1	21 16	25 3					n.a.
S 24	12 56	12 15	5 10	9 41	0 44	6 22	1 2	12 55	1 5	2 13	1 44	14 33	2 19	12 33	0 25	17 57	1 35	14 50	16 29	21 2	21 17	25 1					n.a.
S 25	12 36	17 9	5 12	8 57	0 37	5 51	1 0	13 10	1 5	2 16	1 44	14 35	2 19	12 33	0 25	17 57	1 35	14 49	16 28	21 3	21 17	25 0					n.a.
M26	12 16	21 8	4 58	8 14	0 31	5 20	0 58	13 26	1 6	2 18	1 44	14 36	2 19	12 32	0 25	17 57	1 35	14 48	16 28	21 3	21 18	24 59					n.a.
T 27	11 55	24 5	4 31	7 31	0 24	4 48	0 56	13 41	1 7	2 21	1 44	14 38	2 19	12 32	0 25	17 57	1 35	14 46	16 28	21 3	21 18	24 58					n.a.
W28	11 34	25 53	3 53	6 47	0 17	4 17	0 54	13 56	1 7	2 24	1 44	14 40	2 19	12 32	0 25	17 57	1 35	14 45	16 27	21 3	21 19	24 56					n.a.
T 29	11 13	26 28	3 4	6 4	0 10	3 45	0 52	14 11	1 8	2 26	1 45	14 41	2 19	12 32	0 25	17 57	1 35	14 44	16 27	21 3	21 20	24 55					n.a.
F 30	10 51	25 51	2 9	5 20	0 3	3 14	0 50	14 26	1 8	2 29	1 45	14 43	2 19	12 31	0 25	17 57	1 35	14 43	16 27	21 3	21 20	24 54					n.a.
S 31	10n30	24n 3	1n 7	4n37	0s 4	2n42	0n48	14s41	1s 9	2s32	1s45	14s45	2s19	12n31	0s25	17n57	1s35	14n42	16n27	21s 2	21s21	24n52					n.a.

Julian Day Number = 1632514.5, Delta T = 03h41m04s
Ecliptic obliquity = 23°43'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'50, Lahiri = - 7°18'50 Julian Calendar 1 Aug. 244 BCE == Greg. Calendar 28 July 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

SEPTEMBER 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 24 17	4♍ 3'17	26♋16	19♍52	26♍20	6♏29	27°R34	27°R10	3°R43	26♉ 1	0♎51	26°R51	25♑10	8♋58	n.a.	S 1
M 2	22 28 14	5° 2'28	8♌16	21°24	27°34	7°12	27♓27	27♒ 6	3♉42	26° 1	0°53	26♑50	25° 7	9° 5	n.a.	M 2
T 3	22 32 10	6° 1'41	20°27	22°55	28°48	7°55	27°20	27° 1	3°41	26°R 1	0°55	26°47	25° 3	9°12	n.a.	T 3
W 4	22 36 7	7° 0'57	2♍50	24°25	0♎ 3	8°37	27°13	26°57	3°40	26° 1	0°57	26°43	25° 0	9°18	n.a.	W 4
T 5	22 40 3	8° 0'14	15°27	25°54	1°17	9°20	27° 6	26°52	3°39	26° 1	1° 0	26°37	24°57	9°25	n.a.	T 5
F 6	22 44 0	8°59'34	28°18	27°23	2°31	10° 4	26°59	26°47	3°38	26° 1	1° 2	26°30	24°54	9°32	n.a.	F 6
S 7	22 47 57	9°58'55	11♎23	28°50	3°45	10°47	26°51	26°43	3°37	26° 1	1° 4	26°22	24°51	9°38	n.a.	S 7
S 8	22 51 53	10°58'19	24°41	0♎17	4°59	11°30	26°44	26°38	3°35	26° 1	1° 6	26°15	24°48	9°45	n.a.	S 8
M 9	22 55 50	11°57'45	8♏11	1°42	6°14	12°13	26°36	26°34	3°34	26° 0	1° 9	26° 9	24°44	9°52	n.a.	M 9
T 10	22 59 46	12°57'13	21°52	3° 7	7°28	12°57	26°28	26°30	3°33	26° 0	1°11	26° 5	24°41	9°58	n.a.	T 10
W11	23 3 43	13°56'42	5♐43	4°31	8°42	13°40	26°21	26°25	3°31	26° 0	1°13	26° 3	24°38	10° 5	n.a.	W11
T 12	23 7 39	14°56'14	19°44	5°54	9°56	14°24	26°13	26°21	3°30	26° 0	1°16	26°D 2	24°35	10°12	n.a.	T 12
F 13	23 11 36	15°55'47	3♑54	7°16	11°10	15° 8	26° 5	26°17	3°29	25°59	1°18	26° 3	24°32	10°18	n.a.	F 13
S 14	23 15 32	16°55'22	18°11	8°37	12°24	15°51	25°57	26°12	3°27	25°59	1°20	26° 4	24°28	10°25	n.a.	S 14
S 15	23 19 29	17°54'59	2♒35	9°56	13°38	16°35	25°49	26° 8	3°26	25°58	1°23	26°R 4	24°25	10°32	n.a.	S 15
M16	23 23 26	18°54'38	17° 0	11°15	14°52	17°19	25°41	26° 4	3°24	25°58	1°25	26° 2	24°22	10°38	n.a.	M16
T 17	23 27 22	19°54'18	1♓23	12°32	16° 6	18° 3	25°33	26° 0	3°23	25°58	1°28	25°58	24°19	10°45	n.a.	T 17
W18	23 31 19	20°54'01	15°38	13°48	17°20	18°47	25°25	25°56	3°21	25°57	1°30	25°52	24°16	10°51	n.a.	W18
T 19	23 35 15	21°53'45	29°40	15° 3	18°34	19°31	25°17	25°52	3°19	25°57	1°32	25°43	24°13	10°58	n.a.	T 19
F 20	23 39 12	22°53'32	13♈25	16°16	19°48	20°16	25° 9	25°48	3°17	25°56	1°35	25°33	24° 9	11° 5	n.a.	F 20
S 21	23 43 8	23°53'21	26°48	17°27	21° 2	21° 0	25° 1	25°44	3°16	25°55	1°37	25°23	24° 6	11°11	n.a.	S 21
S 22	23 47 5	24°53'12	9♉48	18°36	22°16	21°44	24°52	25°40	3°14	25°55	1°40	25°14	24° 3	11°18	n.a.	S 22
M23	23 51 1	25°53'06	22°27	19°44	23°30	22°29	24°44	25°37	3°12	25°54	1°42	25° 7	24° 0	11°25	n.a.	M23
T 24	23 54 58	26°53'02	4♊47	20°49	24°44	23°13	24°36	25°33	3°10	25°53	1°45	25° 2	23°57	11°31	n.a.	T 24
W25	23 58 54	27°53'00	16°52	21°52	25°58	23°58	24°28	25°29	3° 8	25°53	1°47	24°59	23°54	11°38	n.a.	W25
T 26	0 2 51	28°53'00	28°45	22°52	27°12	24°43	24°20	25°26	3° 6	25°52	1°49	24°D59	23°50	11°45	n.a.	T 26
F 27	0 6 48	29°53'03	10♋34	23°49	28°26	25°27	24°12	25°22	3° 4	25°51	1°52	24°59	23°47	11°51	n.a.	F 27
S 28	0 10 44	0♎53'08	22°22	24°43	29°40	26°12	24° 4	25°19	3° 2	25°50	1°54	25°R 0	23°44	11°58	n.a.	S 28
S 29	0 14 41	1°53'15	4♌16	25°33	0♏54	26°57	23°56	25°16	3° 0	25°50	1°57	24°59	23°41	12° 5	n.a.	S 29
M30	0 18 37	2♎53'24	16♌21	26♎19	2♏ 8	27♏42	23♓48	25♒12	2♉58	25♉49	1♎59	24♑57	23♑38	12♋11	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	10n 8	21n12	0n 3	3n54	0s11	2n10	0n46	14s56	1s 9	2s35	1s45	14s46	2s19	12n31	0s25	17n57	1s35	14n41	16n26	21s 2	21s21	24n51		n.a.	
M 2	9 47	17 25	1s 2	3 11	0 18	1 39	0 44	15 11	1 10	2 38	1 45	14 48	2 19	12 30	0 25	17 57	1 35	14 40	16 26	21 2	21 22	24 50		n.a.	
T 3	9 25	12 52	2 5	2 28	0 25	1 7	0 41	15 25	1 10	2 41	1 45	14 50	2 19	12 30	0 25	17 57	1 35	14 38	16 26	21 3	21 23	24 49		n.a.	
W 4	9 2	7 45	3 3	1 45	0 32	0 35	0 39	15 40	1 11	2 44	1 45	14 51	2 19	12 30	0 25	17 57	1 35	14 37	16 26	21 4	21 23	24 47		n.a.	
T 5	8 40	2 13	3 53	1 3	0 40	0 3	0 37	15 54	1 11	2 47	1 46	14 53	2 19	12 29	0 25	17 57	1 35	14 36	16 25	21 5	21 24	24 46		n.a.	
F 6	8 18	3s28	4 32	0 20	0 47	0s29	0 34	16 9	1 12	2 50	1 46	14 54	2 19	12 29	0 25	17 57	1 35	14 35	16 25	21 6	21 24	24 45		n.a.	
S 7	7 55	9 7	4 58	0s21	0 54	1 1	0 32	16 23	1 12	2 53	1 46	14 56	2 19	12 29	0 25	17 57	1 36	14 34	16 25	21 8	21 25	24 43		n.a.	
S 8	7 32	14 26	5 8	1 3	1 1	1 33	0 29	16 37	1 13	2 56	1 46	14 58	2 19	12 28	0 25	17 56	1 36	14 33	16 25	21 9	21 25	24 42		n.a.	
M 9	7 9	19 9	5 2	1 44	1 9	2 5	0 27	16 51	1 13	2 59	1 46	14 59	2 19	12 28	0 25	17 56	1 36	14 32	16 25	21 10	21 26	24 41		n.a.	
T 10	6 46	22 55	4 38	2 25	1 16	2 37	0 24	17 5	1 14	3 2	1 46	15 1	2 19	12 27	0 25	17 56	1 36	14 31	16 24	21 11	21 27	24 39		n.a.	
W11	6 23	25 25	3 58	3 5	1 23	3 9	0 22	17 18	1 14	3 5	1 46	15 2	2 19	12 27	0 25	17 56	1 36	14 30	16 24	21 12	21 27	24 38		n.a.	
T 12	6 0	26 22	3 3	3 44	1 30	3 41	0 19	17 32	1 14	3 9	1 46	15 4	2 19	12 26	0 25	17 56	1 36	14 29	16 24	21 12	21 28	24 36		n.a.	
F 13	5 37	25 37	1 57	4 24	1 37	4 13	0 17	17 46	1 15	3 12	1 46	15 5	2 19	12 26	0 25	17 56	1 36	14 27	16 24	21 11	21 28	24 35		n.a.	
S 14	5 13	23 10	0 42	5 2	1 44	4 45	0 14	17 59	1 15	3 15	1 46	15 6	2 19	12 25	0 25	17 56	1 36	14 26	16 24	21 11	21 29	24 34		n.a.	
S 15	4 50	19 15	0n35	5 40	1 50	5 16	0 11	18 12	1 16	3 18	1 46	15 8	2 19	12 25	0 25	17 56	1 36	14 25	16 23	21 11	21 29	24 32		n.a.	
M16	4 26	14 11	1 50	6 17	1 57	5 48	0 9	18 25	1 16	3 21	1 46	15 9	2 19	12 24	0 25	17 56	1 36	14 24	16 23	21 12	21 30	24 31		n.a.	
T 17	4 3	8 21	2 58	6 54	2 3	6 19	0 6	18 38	1 16	3 25	1 46	15 11	2 19	12 24	0 25	17 55	1 36	14 23	16 23	21 12	21 31	24 29		n.a.	
W18	3 39	2 9	3 54	7 29	2 9	6 50	0 3	18 51	1 17	3 28	1 46	15 12	2 19	12 23	0 25	17 55	1 36	14 22	16 23	21 14	21 31	24 28		n.a.	
T 19	3 15	4n 3	4 34	8 4	2 15	7 21	0 0	19 3	1 17	3 31	1 46	15 13	2 19	12 22	0 25	17 55	1 36	14 21	16 23	21 15	21 32	24 27		n.a.	
F 20	2 51	9 55	4 58	8 38	2 21	7 52	0s 2	19 16	1 17	3 34	1 46	15 15	2 19	12 22	0 25	17 55	1 36	14 20	16 23	21 17	21 32	24 25		n.a.	
S 21	2 27	15 10	5 5	9 11	2 26	8 23	0 5	19 28	1 18	3 38	1 46	15 16	2 19	12 21	0 25	17 55	1 36	14 19	16 23	21 19	21 33	24 24		n.a.	
S 22	2 3	19 35	4 55	9 42	2 32	8 54	0 8	19 40	1 18	3 41	1 46	15 17	2 19	12 21	0 25	17 55	1 36	14 18	16 23	21 21	21 33	24 22		n.a.	
M23	1 39	22 58	4 31	10 13	2 37	9 24	0 11	19 52	1 18	3 44	1 46	15 18	2 18	12 20	0 25	17 54	1 36	14 17	16 23	21 22	21 34	24 21		n.a.	
T 24	1 15	25 12	3 55	10 42	2 41	9 54	0 14	20 4	1 19	3 47	1 46	15 19	2 18	12 19	0 25	17 54	1 36	14 16	16 23	21 23	21 35	24 19		n.a.	
W25	0 51	26 12	3 9	11 10	2 45	10 24	0 16	20 16	1 19	3 51	1 46	15 21	2 18	12 19	0 25	17 54	1 36	14 15	16 23	21 23	21 35	24 18		n.a.	
T 26	0 27	25 59	2 15	11 36	2 49	10 54	0 19	20 27	1 19	3 54	1 46	15 22	2 18	12 18	0 25	17 54	1 36	14 14	16 22	21 23	21 36	24 17		n.a.	
F 27	0 3	24 34	1 16	12 0	2 52	11 23	0 22	20 38	1 20	3 57	1 46	15 23	2 18	12 17	0 25	17 53	1 36	14 13	16 22	21 23	21 36	24 15		n.a.	
S 28	0s21	22 4	0 14	12 23	2 55	11 53	0 25	20 49	1 20	4 0	1 46	15 24	2 18	12 17	0 25	17 53	1 36	14 12	16 22	21 23	21 37	24 14		n.a.	
S 29	0 46	18 37	0s49	12 44	2 57	12 22	0 28	21 0	1 20	4 3	1 46	15 25	2 18	12 16	0 25	17 53	1 36	14 11	16 22	21 23	21 37	24 12		n.a.	
M30	1s10	14n22	1s51	13s 2	2s58	12s50	0s31	21s11	1s20	4s 6	1s46	15s26	2s18	12n15	0s25	17n53	1s36	14n10	16n22	21s24	21s38	24n11		n.a.	

Julian Day Number = 1632545.5, Delta T = 03h41m03s
Ecliptic obliquity = 23°43'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'46, Lahiri = - 7°18'45 Julian Calendar 1 Sept. 244 BCE == Greg. Calendar 28 Aug. 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

OCTOBER 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 22 34	3♎53'35	28♌39	27♎ 0	3♏22	28♏27	23°R40	25°R 9	2°R56	25°R48	2♎ 2	24°R52	23♑34	12♋18	n.a.	T 1
W 2	0 26 30	4°53'49	11♍15	27°36	4°35	29°12	23♓32	25♒ 6	2♉54	25♉47	2° 4	24♑45	23°31	12°25	n.a.	W 2
T 3	0 30 27	5°54'04	24°10	28° 7	5°49	29°57	23°24	25° 3	2°52	25°46	2° 6	24°35	23°28	12°31	n.a.	T 3
F 4	0 34 23	6°54'22	7♎23	28°31	7° 3	0♐42	23°17	25° 0	2°50	25°45	2° 9	24°23	23°25	12°38	n.a.	F 4
S 5	0 38 20	7°54'41	20°53	28°49	8°17	1°27	23° 9	24°58	2°48	25°44	2°11	24°10	23°22	12°44	n.a.	S 5
S 6	0 42 17	8°55'02	4♏37	28°59	9°31	2°13	23° 1	24°55	2°45	25°43	2°14	23°58	23°19	12°51	n.a.	S 6
M 7	0 46 13	9°55'25	18°31	29°R 1	10°45	2°58	22°54	24°52	2°43	25°42	2°16	23°48	23°15	12°58	n.a.	M 7
T 8	0 50 10	10°55'49	2♐32	28°54	11°58	3°44	22°47	24°50	2°41	25°41	2°19	23°41	23°12	13° 4	n.a.	T 8
W 9	0 54 6	11°56'15	16°36	28°38	13°12	4°29	22°39	24°47	2°39	25°40	2°21	23°36	23° 9	13°11	n.a.	W 9
T 10	0 58 3	12°56'43	0♑42	28°11	14°26	5°15	22°32	24°45	2°36	25°39	2°23	23°34	23° 6	13°18	n.a.	T 10
F 11	1 1 59	13°57'12	14°47	27°35	15°39	6° 0	22°25	24°43	2°34	25°37	2°26	23°34	23° 3	13°24	n.a.	F 11
S 12	1 5 56	14°57'42	28°52	26°49	16°53	6°46	22°18	24°41	2°32	25°36	2°28	23°34	22°59	13°31	n.a.	S 12
S 13	1 9 52	15°58'14	12♒55	25°53	18° 7	7°32	22°11	24°38	2°29	25°35	2°31	23°33	22°56	13°38	n.a.	S 13
M14	1 13 49	16°58'47	26°55	24°49	19°20	8°17	22° 5	24°37	2°27	25°34	2°33	23°30	22°53	13°44	n.a.	M14
T 15	1 17 46	17°59'21	10♓51	23°37	20°34	9° 3	21°58	24°35	2°24	25°33	2°35	23°23	22°50	13°51	n.a.	T 15
W16	1 21 42	18°59'57	24°40	22°20	21°48	9°49	21°52	24°33	2°22	25°31	2°38	23°14	22°47	13°58	n.a.	W16
T 17	1 25 39	20° 0'34	8♈18	21° 0	23° 1	10°35	21°45	24°31	2°19	25°30	2°40	23° 3	22°44	14° 4	n.a.	T 17
F 18	1 29 35	21° 1'13	21°44	19°39	24°15	11°21	21°39	24°30	2°17	25°29	2°42	22°50	22°40	14°11	n.a.	F 18
S 19	1 33 32	22° 1'53	4♉53	18°20	25°28	12° 7	21°33	24°28	2°15	25°27	2°45	22°36	22°37	14°18	n.a.	S 19
S 20	1 37 28	23° 2'35	17°45	17° 5	26°42	12°53	21°27	24°27	2°12	25°26	2°47	22°23	22°34	14°24	n.a.	S 20
M21	1 41 25	24° 3'19	0♊19	15°58	27°55	13°39	21°22	24°26	2°10	25°25	2°49	22°13	22°31	14°31	n.a.	M21
T 22	1 45 21	25° 4'04	12°36	15° 0	29° 8	14°25	21°16	24°25	2° 7	25°23	2°52	22° 5	22°28	14°37	n.a.	T 22
W23	1 49 18	26° 4'51	24°39	14°12	0♐22	15°11	21°11	24°24	2° 5	25°22	2°54	22° 0	22°25	14°44	n.a.	W23
T 24	1 53 15	27° 5'40	6♋32	13°35	1°35	15°57	21° 6	24°23	2° 2	25°20	2°56	21°58	22°21	14°51	n.a.	T 24
F 25	1 57 11	28° 6'30	18°20	13°10	2°48	16°43	21° 1	24°22	2° 0	25°19	2°58	21°D57	22°18	14°57	n.a.	F 25
S 26	2 1 8	29° 7'21	0♌ 8	12°57	4° 2	17°29	20°56	24°21	1°57	25°17	3° 1	21°R57	22°15	15° 4	n.a.	S 26
S 27	2 5 4	0♏ 8'15	12° 2	12°D55	5°15	18°16	20°51	24°20	1°55	25°16	3° 3	21°56	22°12	15°11	n.a.	S 27
M28	2 9 1	1° 9'09	24° 7	13° 3	6°28	19° 2	20°47	24°20	1°52	25°14	3° 5	21°54	22° 9	15°17	n.a.	M28
T 29	2 12 57	2°10'06	6♍28	13°21	7°41	19°48	20°42	24°20	1°50	25°13	3° 7	21°50	22° 5	15°24	n.a.	T 29
W30	2 16 54	3°11'03	19°10	13°49	8°55	20°35	20°38	24°19	1°47	25°11	3°10	21°43	22° 2	15°31	n.a.	W30
T 31	2 20 50	4♏12'02	2♎15	14♎24	10♐ 8	21♐21	20♓34	24♒19	1♉44	25♉10	3♎12	21♑33	21♑59	15♋37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	1s34	9n27	2s49	13s18	2s59	13s19	0s34	21s22	1s20	4s 9	1s46	15s27	2s18	12n14	0s25	17n53	1s37	14n 9	16n22	21s25	21s38	24n 9			n.a.
W 2	1 58	4 3	3 40	13 31	2 58	13 47	0 37	21 32	1 21	4 12	1 46	15 28	2 18	12 14	0 25	17 52	1 37	14 8	16 22	21 26	21 39	24 8			n.a.
T 3	2 22	1s38	4 21	13 41	2 57	14 14	0 39	21 42	1 21	4 15	1 45	15 29	2 17	12 13	0 25	17 52	1 37	14 7	16 22	21 28	21 40	24 6			n.a.
F 4	2 46	7 22	4 48	13 48	2 55	14 42	0 42	21 52	1 21	4 18	1 45	15 30	2 17	12 12	0 25	17 52	1 37	14 6	16 22	21 30	21 40	24 5			n.a.
S 5	3 10	12 53	5 1	13 51	2 52	15 9	0 45	22 1	1 21	4 21	1 45	15 30	2 17	12 11	0 25	17 51	1 37	14 5	16 22	21 32	21 41	24 3			n.a.
S 6	3 35	17 51	4 56	13 50	2 47	15 35	0 48	22 11	1 21	4 24	1 45	15 31	2 17	12 11	0 25	17 51	1 37	14 4	16 22	21 34	21 41	24 2			n.a.
M 7	3 59	21 55	4 34	13 45	2 41	16 2	0 51	22 20	1 22	4 27	1 45	15 32	2 17	12 10	0 25	17 51	1 37	14 3	16 23	21 36	21 42	24 0			n.a.
T 8	4 23	24 46	3 55	13 36	2 33	16 27	0 54	22 29	1 22	4 30	1 45	15 33	2 17	12 9	0 25	17 51	1 37	14 2	16 23	21 37	21 42	23 59			n.a.
W 9	4 46	26 4	3 2	13 21	2 24	16 53	0 56	22 38	1 22	4 33	1 45	15 33	2 17	12 8	0 25	17 50	1 37	14 1	16 23	21 38	21 43	23 57			n.a.
T 10	5 10	25 41	1 58	13 2	2 13	17 18	0 59	22 47	1 22	4 35	1 44	15 34	2 17	12 8	0 25	17 50	1 37	14 0	16 23	21 38	21 43	23 56			n.a.
F 11	5 34	23 40	0 46	12 37	2 1	17 42	1 2	22 55	1 22	4 38	1 44	15 35	2 16	12 7	0 25	17 50	1 37	14 0	16 23	21 39	21 44	23 54			n.a.
S 12	5 58	20 11	0n28	12 7	1 46	18 7	1 4	23 3	1 22	4 41	1 44	15 35	2 16	12 6	0 25	17 49	1 37	13 59	16 23	21 39	21 44	23 52			n.a.
S 13	6 21	15 32	1 40	11 31	1 30	18 30	1 7	23 11	1 22	4 43	1 44	15 36	2 16	12 5	0 25	17 49	1 37	13 58	16 23	21 39	21 45	23 51			n.a.
M14	6 45	10 5	2 46	10 51	1 13	18 53	1 10	23 18	1 23	4 46	1 44	15 36	2 16	12 4	0 25	17 49	1 37	13 57	16 23	21 39	21 45	23 49			n.a.
T 15	7 8	4 10	3 42	10 7	0 54	19 16	1 12	23 26	1 23	4 48	1 43	15 37	2 16	12 3	0 25	17 48	1 37	13 56	16 23	21 40	21 46	23 48			n.a.
W16	7 32	1n53	4 24	9 19	0 34	19 38	1 15	23 33	1 23	4 51	1 43	15 37	2 16	12 3	0 25	17 48	1 37	13 55	16 23	21 42	21 47	23 46			n.a.
T 17	7 55	7 46	4 50	8 30	0 13	20 0	1 18	23 40	1 23	4 53	1 43	15 38	2 15	12 2	0 25	17 48	1 37	13 55	16 24	21 44	21 47	23 45			n.a.
F 18	8 18	13 11	5 0	7 40	0n 7	20 21	1 20	23 47	1 23	4 55	1 43	15 38	2 15	12 1	0 25	17 47	1 37	13 54	16 24	21 46	21 48	23 43			n.a.
S 19	8 41	17 54	4 53	6 50	0 28	20 42	1 23	23 53	1 23	4 57	1 43	15 39	2 15	12 0	0 25	17 47	1 37	13 53	16 24	21 48	21 48	23 41			n.a.
S 20	9 4	21 40	4 32	6 4	0 47	21 2	1 25	23 59	1 23	4 59	1 42	15 39	2 15	11 59	0 25	17 47	1 37	13 52	16 24	21 50	21 49	23 40			n.a.
M21	9 26	24 19	3 57	5 21	1 6	21 21	1 27	24 5	1 23	5 1	1 42	15 39	2 15	11 58	0 25	17 46	1 37	13 51	16 24	21 52	21 49	23 38			n.a.
T 22	9 49	25 45	3 12	4 43	1 23	21 40	1 30	24 11	1 23	5 3	1 42	15 39	2 15	11 57	0 25	17 46	1 37	13 51	16 24	21 53	21 50	23 37			n.a.
W23	10 11	25 56	2 19	4 10	1 38	21 58	1 32	24 16	1 23	5 5	1 42	15 39	2 14	11 57	0 25	17 46	1 37	13 50	16 25	21 54	21 50	23 35			n.a.
T 24	10 34	24 54	1 21	3 44	1 51	22 16	1 34	24 21	1 23	5 7	1 41	15 40	2 14	11 56	0 25	17 45	1 37	13 49	16 25	21 55	21 51	23 33			n.a.
F 25	10 56	22 46	0 19	3 24	2 2	22 33	1 37	24 26	1 23	5 9	1 41	15 40	2 14	11 55	0 25	17 45	1 37	13 49	16 25	21 55	21 51	23 32			n.a.
S 26	11 18	19 40	0s43	3 10	2 11	22 49	1 39	24 30	1 23	5 11	1 41	15 40	2 14	11 54	0 25	17 45	1 37	13 48	16 25	21 55	21 52	23 30			n.a.
S 27	11 39	15 43	1 44	3 3	2 18	23 5	1 41	24 35	1 23	5 12	1 40	15 40	2 14	11 53	0 25	17 44	1 37	13 47	16 25	21 55	21 52	23 29			n.a.
M28	12 1	11 6	2 42	3 1	2 24	23 20	1 43	24 39	1 23	5 14	1 40	15 40	2 14	11 52	0 25	17 44	1 37	13 47	16 26	21 55	21 53	23 27			n.a.
T 29	12 22	5 57	3 33	3 4	2 27	23 35	1 45	24 42	1 23	5 15	1 40	15 40	2 13	11 51	0 25	17 43	1 37	13 46	16 26	21 56	21 53	23 25			n.a.
W30	12 43	0 26	4 15	3 13	2 30	23 48	1 47	24 46	1 23	5 17	1 40	15 40	2 13	11 50	0 25	17 43	1 37	13 45	16 26	21 57	21 54	23 24			n.a.
T 31	13s 4	5s15	4s45	3s26	2n31	24s 1	1s49	24s49	1s23	5s18	1s39	15s40	2s13	11n50	0s25	17n43	1s37	13n45	16n26	21s59	21s54	23n22			n.a.

Julian Day Number = 1632575.5, Delta T = 03h41m02s
Ecliptic obliquity = 23°43'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'42, Lahiri = - 7°18'41 Julian Calendar 1 Oct. 244 BCE == Greg. Calendar 27 Sept. 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

NOVEMBER 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 24 47	5♏13'02	15♎43	15♎ 7	11♐21	22♐ 8	20°R30	24°D19	1°R42	25°R 8	3♎14	21°R22	21♑56	15♋44	n.a.	F 1
S 2	2 28 44	6°14'04	29°34	15°56	12°34	22°54	20♓27	24♒19	1♉39	25♉ 7	3°16	21♑ 9	21°53	15°51	n.a.	S 2
S 3	2 32 40	7°15'06	13♏43	16°51	13°47	23°41	20°23	24°19	1°37	25° 5	3°18	20°57	21°50	15°57	n.a.	S 3
M 4	2 36 37	8°16'10	28° 5	17°50	15° 0	24°27	20°20	24°20	1°34	25° 3	3°20	20°47	21°46	16° 4	n.a.	M 4
T 5	2 40 33	9°17'15	12♐33	18°54	16°13	25°14	20°17	24°20	1°32	25° 2	3°22	20°39	21°43	16°11	n.a.	T 5
W 6	2 44 30	10°18'20	27° 1	20° 2	17°26	26° 0	20°15	24°20	1°29	25° 0	3°24	20°34	21°40	16°17	n.a.	W 6
T 7	2 48 26	11°19'27	11♑25	21°13	18°39	26°47	20°12	24°21	1°27	24°58	3°26	20°32	21°37	16°24	n.a.	T 7
F 8	2 52 23	12°20'33	25°41	22°27	19°52	27°34	20°10	24°22	1°24	24°57	3°28	20°D32	21°34	16°30	n.a.	F 8
S 9	2 56 19	13°21'41	9♒47	23°43	21° 4	28°20	20° 7	24°23	1°22	24°55	3°30	20°R33	21°31	16°37	n.a.	S 9
S 10	3 0 16	14°22'48	23°43	25° 1	22°17	29° 7	20° 6	24°24	1°20	24°53	3°32	20°32	21°27	16°44	n.a.	S 10
M11	3 4 13	15°23'56	7♓28	26°21	23°30	29°54	20° 4	24°25	1°17	24°52	3°34	20°30	21°24	16°50	n.a.	M11
T 12	3 8 9	16°25'05	21° 3	27°42	24°42	0♑40	20° 2	24°26	1°15	24°50	3°36	20°25	21°21	16°57	n.a.	T 12
W13	3 12 6	17°26'14	4♈27	29° 5	25°55	1°27	20° 1	24°27	1°12	24°48	3°38	20°18	21°18	17° 4	n.a.	W13
T 14	3 16 2	18°27'23	17°41	0♏29	27° 7	2°14	20° 0	24°28	1°10	24°47	3°40	20° 8	21°15	17°10	n.a.	T 14
F 15	3 19 59	19°28'33	0♉42	1°55	28°20	3° 1	19°59	24°30	1° 8	24°45	3°42	19°57	21°11	17°17	n.a.	F 15
S 16	3 23 55	20°29'44	13°31	3°21	29°32	3°47	19°58	24°31	1° 5	24°43	3°44	19°46	21° 8	17°24	n.a.	S 16
S 17	3 27 52	21°30'55	26° 7	4°47	0♑44	4°34	19°58	24°33	1° 3	24°42	3°46	19°35	21° 5	17°30	n.a.	S 17
M18	3 31 48	22°32'06	8♊29	6°15	1°57	5°21	19°57	24°35	1° 1	24°40	3°47	19°26	21° 2	17°37	n.a.	M18
T 19	3 35 45	23°33'18	20°39	7°43	3° 9	6° 8	19°D57	24°37	0°58	24°38	3°49	19°19	20°59	17°44	n.a.	T 19
W20	3 39 42	24°34'31	2♋38	9°11	4°21	6°55	19°57	24°39	0°56	24°37	3°51	19°15	20°56	17°50	n.a.	W20
T 21	3 43 38	25°35'44	14°29	10°40	5°33	7°41	19°58	24°41	0°54	24°35	3°53	19°D14	20°52	17°57	n.a.	T 21
F 22	3 47 35	26°36'58	26°16	12°10	6°45	8°28	19°58	24°43	0°52	24°33	3°54	19°14	20°49	18° 4	n.a.	F 22
S 23	3 51 31	27°38'13	8♌ 3	13°40	7°57	9°15	19°59	24°45	0°49	24°31	3°56	19°15	20°46	18°10	n.a.	S 23
S 24	3 55 28	28°39'27	19°55	15°10	9° 9	10° 2	20° 0	24°48	0°47	24°30	3°58	19°16	20°43	18°17	n.a.	S 24
M25	3 59 24	29°40'43	1♍58	16°41	10°20	10°49	20° 1	24°50	0°45	24°28	3°59	19°R16	20°40	18°23	n.a.	M25
T 26	4 3 21	0♐41'58	14°17	18°12	11°32	11°36	20° 3	24°53	0°43	24°26	4° 1	19°15	20°36	18°30	n.a.	T 26
W27	4 7 18	1°43'15	26°57	19°43	12°44	12°22	20° 4	24°56	0°41	24°25	4° 2	19°12	20°33	18°37	n.a.	W27
T 28	4 11 14	2°44'31	10♎ 1	21°15	13°55	13° 9	20° 6	24°59	0°39	24°23	4° 4	19° 7	20°30	18°43	n.a.	T 28
F 29	4 15 11	3°45'48	23°33	22°47	15° 7	13°56	20° 8	25° 1	0°37	24°21	4° 5	19° 0	20°27	18°50	n.a.	F 29
S 30	4 19 7	4♐47'05	7♏31	24♏19	16♑18	14♑43	20♓10	25♒ 4	0♉35	24♉20	4♎ 7	18♑53	20♑24	18♋57	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13 s25	10 s51	5 s 0	3 s43	2n31	24 s14	1 s50	24 s52	1 s23	5 s19	1 s39	15 s40	2 s13	11n49	0 s25	17n42	1 s37	13n44	16n27	22 s 0	21 s55	23n20		n.a.
S 2	13 46	16 5	4 58	4 3	2 29	24 26	1 52	24 54	1 23	5 20	1 39	15 39	2 13	11 48	0 25	17 42	1 37	13 43	16 27	22 2	21 55	23 19		n.a.
S 3	14 6	20 33	4 38	4 26	2 27	24 37	1 54	24 57	1 23	5 21	1 38	15 39	2 13	11 47	0 25	17 41	1 37	13 43	16 27	22 4	21 56	23 17		n.a.
M 4	14 26	23 52	4 1	4 52	2 24	24 47	1 55	24 59	1 22	5 22	1 38	15 39	2 12	11 46	0 25	17 41	1 37	13 42	16 27	22 6	21 56	23 15		n.a.
T 5	14 46	25 40	3 7	5 19	2 21	24 56	1 57	25 1	1 22	5 23	1 38	15 39	2 12	11 45	0 25	17 41	1 37	13 42	16 28	22 7	21 57	23 14		n.a.
W 6	15 5	25 43	2 2	5 49	2 17	25 5	1 58	25 2	1 22	5 24	1 38	15 38	2 12	11 44	0 25	17 40	1 37	13 41	16 28	22 8	21 57	23 12		n.a.
T 7	15 24	24 2	0 48	6 20	2 12	25 13	2 0	25 3	1 22	5 25	1 37	15 38	2 12	11 44	0 25	17 40	1 37	13 41	16 28	22 8	21 58	23 10		n.a.
F 8	15 43	20 49	0n27	6 53	2 7	25 21	2 1	25 4	1 22	5 25	1 37	15 37	2 12	11 43	0 25	17 39	1 37	13 40	16 29	22 8	21 59	23 9		n.a.
S 9	16 2	16 24	1 41	7 26	2 1	25 27	2 2	25 5	1 22	5 26	1 37	15 37	2 11	11 42	0 25	17 39	1 37	13 40	16 29	22 8	21 59	23 7		n.a.
S 10	16 21	11 9	2 47	8 1	1 55	25 33	2 3	25 5	1 22	5 27	1 36	15 36	2 11	11 41	0 25	17 39	1 37	13 39	16 29	22 8	22 0	23 5		n.a.
M11	16 39	5 26	3 43	8 36	1 49	25 38	2 5	25 5	1 22	5 27	1 36	15 36	2 11	11 40	0 25	17 38	1 37	13 39	16 30	22 8	22 0	23 3		n.a.
T 12	16 57	0n28	4 25	9 11	1 42	25 42	2 5	25 5	1 21	5 27	1 36	15 35	2 11	11 39	0 25	17 38	1 37	13 38	16 30	22 9	22 1	23 2		n.a.
W13	17 14	6 15	4 52	9 47	1 36	25 46	2 6	25 4	1 21	5 27	1 35	15 35	2 11	11 38	0 25	17 37	1 37	13 38	16 30	22 10	22 1	23 0		n.a.
T 14	17 32	11 41	5 3	10 24	1 29	25 49	2 7	25 3	1 21	5 28	1 35	15 34	2 11	11 38	0 25	17 37	1 37	13 37	16 31	22 12	22 2	22 58		n.a.
F 15	17 49	16 30	4 58	11 0	1 22	25 51	2 8	25 2	1 21	5 28	1 35	15 33	2 10	11 37	0 25	17 37	1 37	13 37	16 31	22 13	22 2	22 57		n.a.
S 16	18 5	20 30	4 38	11 36	1 15	25 52	2 9	25 1	1 21	5 28	1 34	15 33	2 10	11 36	0 25	17 36	1 37	13 37	16 32	22 15	22 3	22 55		n.a.
S 17	18 21	23 29	4 5	12 13	1 8	25 53	2 9	24 59	1 21	5 28	1 34	15 32	2 10	11 35	0 25	17 36	1 37	13 36	16 32	22 17	22 3	22 53		n.a.
M18	18 37	25 17	3 20	12 49	1 1	25 52	2 10	24 57	1 20	5 27	1 34	15 31	2 10	11 34	0 25	17 35	1 37	13 36	16 32	22 18	22 4	22 51		n.a.
T 19	18 53	25 50	2 27	13 24	0 53	25 51	2 10	24 55	1 20	5 27	1 33	15 30	2 10	11 34	0 25	17 35	1 37	13 36	16 33	22 19	22 4	22 50		n.a.
W20	19 8	25 10	1 28	14 0	0 46	25 49	2 10	24 52	1 20	5 27	1 33	15 30	2 9	11 33	0 25	17 35	1 37	13 35	16 33	22 19	22 4	22 48		n.a.
T 21	19 23	23 21	0 26	14 35	0 39	25 47	2 10	24 49	1 20	5 26	1 33	15 29	2 9	11 32	0 25	17 34	1 37	13 35	16 34	22 20	22 5	22 46		n.a.
F 22	19 38	20 32	0 s38	15 10	0 32	25 43	2 11	24 46	1 19	5 26	1 32	15 28	2 9	11 31	0 25	17 34	1 37	13 35	16 34	22 20	22 5	22 44		n.a.
S 23	19 52	16 52	1 40	15 44	0 24	25 39	2 11	24 43	1 19	5 25	1 32	15 27	2 9	11 31	0 25	17 33	1 37	13 34	16 34	22 20	22 6	22 42		n.a.
S 24	20 6	12 31	2 38	16 18	0 17	25 34	2 10	24 39	1 19	5 24	1 32	15 26	2 9	11 30	0 25	17 33	1 37	13 34	16 35	22 19	22 6	22 41		n.a.
M25	20 19	7 38	3 30	16 51	0 10	25 29	2 10	24 35	1 19	5 24	1 31	15 25	2 9	11 29	0 25	17 32	1 37	13 34	16 35	22 19	22 7	22 39		n.a.
T 26	20 32	2 22	4 14	17 24	0 3	25 22	2 10	24 31	1 18	5 23	1 31	15 24	2 8	11 28	0 25	17 32	1 37	13 34	16 36	22 19	22 7	22 37		n.a.
W27	20 45	3 s 8	4 46	17 56	0 s 4	25 15	2 9	24 26	1 18	5 22	1 31	15 23	2 8	11 28	0 25	17 32	1 37	13 33	16 36	22 20	22 8	22 35		n.a.
T 28	20 57	8 41	5 5	18 27	0 11	25 7	2 9	24 21	1 18	5 21	1 30	15 21	2 8	11 27	0 25	17 31	1 37	13 33	16 37	22 21	22 8	22 33		n.a.
F 29	21 9	14 0	5 8	18 58	0 17	24 59	2 8	24 16	1 18	5 20	1 30	15 20	2 8	11 26	0 25	17 31	1 37	13 33	16 37	22 22	22 9	22 32		n.a.
S 30	21 s21	18 s47	4 s53	19 s28	0 s24	24 s50	2 s 8	24 s11	1 s17	5 s19	1 s30	15 s19	2 s 8	11n26	0 s25	17n30	1 s37	13n33	16n38	22 s23	22 s 9	22n30		n.a.

Julian Day Number = 1632606.5, Delta T = 03h41m01s
Ecliptic obliquity = 23°43'33, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'37, Lahiri = - 7°18'37 Julian Calendar 1 Nov. 244 BCE == Greg. Calendar 28 Oct. 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 244 BCE
geocentric

DECEMBER 244 BCE (-243) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 23 4	5♐48'22	21♏54	25♏52	17♑29	15♑30	20♓13	25♒ 8	0°R33	24°R18	4♎ 8	18°R45	20♑21	19♋ 3	n.a.	S 1
M 2	4 27 0	6°49'40	6♐35	27°25	18°40	16°17	20°15	25°11	0♉31	24♉16	4°10	18♑39	20°17	19°10	n.a.	M 2
T 3	4 30 57	7°50'57	21°27	28°58	19°51	17° 4	20°18	25°14	0°29	24°15	4°11	18°34	20°14	19°17	n.a.	T 3
W 4	4 34 53	8°52'14	6♑22	0♐31	21° 2	17°51	20°21	25°18	0°27	24°13	4°12	18°32	20°11	19°23	n.a.	W 4
T 5	4 38 50	9°53'31	21°12	2° 5	22°13	18°38	20°24	25°21	0°26	24°11	4°14	18°D31	20° 8	19°30	n.a.	T 5
F 6	4 42 47	10°54'48	5♒50	3°40	23°24	19°24	20°28	25°25	0°24	24°10	4°15	18°32	20° 5	19°37	n.a.	F 6
S 7	4 46 43	11°56'03	20°12	5°14	24°35	20°11	20°31	25°28	0°22	24° 8	4°16	18°34	20° 2	19°43	n.a.	S 7
S 8	4 50 40	12°57'19	4♓15	6°49	25°45	20°58	20°35	25°32	0°20	24° 6	4°17	18°35	19°58	19°50	n.a.	S 8
M 9	4 54 36	13°58'33	18° 0	8°25	26°55	21°45	20°39	25°36	0°19	24° 5	4°19	18°R35	19°55	19°56	n.a.	M 9
T 10	4 58 33	14°59'47	1♈26	10° 0	28° 6	22°32	20°43	25°40	0°17	24° 3	4°20	18°34	19°52	20° 3	n.a.	T 10
W11	5 2 29	16° 1'00	14°36	11°37	29°16	23°19	20°48	25°44	0°16	24° 2	4°21	18°31	19°49	20°10	n.a.	W11
T 12	5 6 26	17° 2'12	27°31	13°13	0♒26	24° 6	20°52	25°48	0°14	24° 0	4°22	18°27	19°46	20°16	n.a.	T 12
F 13	5 10 22	18° 3'24	10♉12	14°51	1°36	24°52	20°57	25°53	0°13	23°59	4°23	18°22	19°42	20°23	n.a.	F 13
S 14	5 14 19	19° 4'35	22°41	16°28	2°45	25°39	21° 2	25°57	0°11	23°57	4°24	18°16	19°39	20°30	n.a.	S 14
S 15	5 18 16	20° 5'46	4♊59	18° 6	3°55	26°26	21° 7	26° 1	0°10	23°56	4°25	18°11	19°36	20°36	n.a.	S 15
M16	5 22 12	21° 6'55	17° 7	19°45	5° 4	27°13	21°12	26° 6	0° 9	23°54	4°26	18° 7	19°33	20°43	n.a.	M16
T 17	5 26 9	22° 8'04	29° 7	21°24	6°14	27°59	21°18	26°10	0° 7	23°53	4°27	18° 4	19°30	20°50	n.a.	T 17
W18	5 30 5	23° 9'13	11♋ 0	23° 4	7°23	28°46	21°23	26°15	0° 6	23°51	4°28	18° 3	19°27	20°56	n.a.	W18
T 19	5 34 2	24°10'21	22°49	24°44	8°32	29°33	21°29	26°20	0° 5	23°50	4°28	18°D 3	19°23	21° 3	n.a.	T 19
F 20	5 37 58	25°11'28	4♌36	26°25	9°40	0♒20	21°35	26°25	0° 4	23°48	4°29	18° 4	19°20	21°10	n.a.	F 20
S 21	5 41 55	26°12'34	16°24	28° 6	10°49	1° 6	21°41	26°29	0° 3	23°47	4°30	18° 5	19°17	21°16	n.a.	S 21
S 22	5 45 52	27°13'40	28°17	29°48	11°57	1°53	21°47	26°34	0° 1	23°46	4°31	18° 7	19°14	21°23	n.a.	S 22
M23	5 49 48	28°14'45	10♍20	1♑30	13° 5	2°40	21°54	26°40	0° 0	23°44	4°31	18° 8	19°11	21°30	n.a.	M23
T 24	5 53 45	29°15'50	22°36	3°13	14°13	3°26	22° 1	26°45	29♈59	23°43	4°32	18° 9	19° 8	21°36	n.a.	T 24
W25	5 57 41	0♑16'54	5♎11	4°57	15°21	4°13	22° 7	26°50	29°59	23°42	4°33	18°R 9	19° 4	21°43	n.a.	W25
T 26	6 1 38	1°17'57	18° 9	6°41	16°29	5° 0	22°14	26°55	29°58	23°40	4°33	18° 9	19° 1	21°49	n.a.	T 26
F 27	6 5 34	2°18'59	1♏33	8°25	17°36	5°46	22°21	27° 0	29°57	23°39	4°34	18° 7	18°58	21°56	n.a.	F 27
S 28	6 9 31	3°20'01	15°25	10°10	18°43	6°33	22°29	27° 6	29°56	23°38	4°34	18° 5	18°55	22° 3	n.a.	S 28
S 29	6 13 27	4°21'02	29°44	11°55	19°50	7°19	22°36	27°11	29°55	23°37	4°35	18° 3	18°52	22° 9	n.a.	S 29
M30	6 17 24	5°22'02	14♐28	13°40	20°57	8° 6	22°44	27°17	29°55	23°35	4°35	18° 2	18°48	22°16	n.a.	M30
T 31	6 21 21	6♑23'01	29♐28	15♑26	22♒ 4	8♒52	22♓52	27♒23	29♈54	23♉34	4♎36	18♑ 1	18♑45	22♋23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	21s32	22s37	4s19	19s57	0s30	24s40	2s 7	24s 5	1s17	5s17	1s29	15s18	2s 7	11n25	0s25	17n30	1s37	13n33	16n38	22s24	22s10	22n28		n.a.	
M 2	21 43	25 5	3 28	20 25	0 37	24 29	2 6	23 59	1 17	5 16	1 29	15 17	2 7	11 24	0 25	17 30	1 37	13 33	16 39	22 25	22 10	22 26		n.a.	
T 3	21 53	25 48	2 22	20 52	0 43	24 18	2 5	23 53	1 16	5 15	1 29	15 15	2 7	11 24	0 25	17 29	1 37	13 33	16 39	22 25	22 11	22 24		n.a.	
W 4	22 3	24 40	1 6	21 18	0 49	24 5	2 4	23 46	1 16	5 13	1 28	15 14	2 7	11 23	0 25	17 29	1 37	13 33	16 39	22 26	22 11	22 23		n.a.	
T 5	22 12	21 48	0n15	21 44	0 55	23 53	2 2	23 40	1 16	5 12	1 28	15 13	2 7	11 22	0 25	17 29	1 37	13 32	16 40	22 26	22 12	22 21		n.a.	
F 6	22 21	17 32	1 33	22 8	1 1	23 39	2 1	23 33	1 15	5 10	1 28	15 11	2 7	11 22	0 25	17 28	1 37	13 32	16 40	22 26	22 12	22 19		n.a.	
S 7	22 29	12 20	2 44	22 31	1 6	23 25	1 59	23 25	1 15	5 8	1 27	15 10	2 6	11 21	0 25	17 28	1 37	13 32	16 41	22 25	22 13	22 17		n.a.	
S 8	22 37	6 36	3 44	22 53	1 12	23 11	1 58	23 18	1 15	5 6	1 27	15 8	2 6	11 21	0 25	17 27	1 37	13 32	16 41	22 25	22 13	22 15		n.a.	
M 9	22 45	0 41	4 29	23 14	1 17	22 55	1 56	23 10	1 14	5 4	1 27	15 7	2 6	11 20	0 25	17 27	1 37	13 32	16 42	22 25	22 14	22 13		n.a.	
T 10	22 52	5n 8	4 59	23 34	1 22	22 39	1 54	23 2	1 14	5 2	1 26	15 5	2 6	11 20	0 25	17 27	1 37	13 32	16 42	22 25	22 14	22 11		n.a.	
W11	22 59	10 36	5 12	23 53	1 27	22 23	1 52	22 53	1 13	5 0	1 26	15 4	2 6	11 19	0 25	17 26	1 37	13 32	16 43	22 26	22 15	22 10		n.a.	
T 12	23 5	15 30	5 9	24 10	1 31	22 6	1 50	22 45	1 13	4 58	1 26	15 2	2 6	11 18	0 24	17 26	1 37	13 32	16 44	22 26	22 15	22 8		n.a.	
F 13	23 11	19 38	4 50	24 26	1 36	21 48	1 48	22 36	1 13	4 56	1 25	15 1	2 5	11 18	0 24	17 26	1 37	13 32	16 44	22 27	22 16	22 6		n.a.	
S 14	23 16	22 49	4 18	24 41	1 40	21 30	1 46	22 27	1 12	4 54	1 25	14 59	2 5	11 17	0 24	17 25	1 37	13 33	16 45	22 28	22 16	22 4		n.a.	
S 15	23 21	24 54	3 35	24 54	1 43	21 11	1 44	22 18	1 12	4 52	1 25	14 57	2 5	11 17	0 24	17 25	1 37	13 33	16 45	22 28	22 16	22 2		n.a.	
M16	23 25	25 47	2 42	25 6	1 47	20 51	1 41	22 8	1 12	4 49	1 25	14 56	2 5	11 17	0 24	17 25	1 37	13 33	16 46	22 29	22 17	22 0		n.a.	
T 17	23 29	25 26	1 42	25 16	1 50	20 32	1 38	21 58	1 11	4 47	1 24	14 54	2 5	11 16	0 24	17 24	1 37	13 33	16 46	22 29	22 17	21 58		n.a.	
W18	23 33	23 54	0 39	25 25	1 53	20 11	1 36	21 48	1 11	4 44	1 24	14 52	2 5	11 16	0 24	17 24	1 37	13 33	16 47	22 30	22 18	21 56		n.a.	
T 19	23 36	21 20	0s26	25 32	1 55	19 50	1 33	21 38	1 10	4 42	1 24	14 50	2 5	11 15	0 24	17 24	1 37	13 33	16 47	22 30	22 18	21 54		n.a.	
F 20	23 38	17 53	1 30	25 38	1 58	19 29	1 30	21 28	1 10	4 39	1 23	14 49	2 4	11 15	0 24	17 23	1 37	13 33	16 48	22 29	22 19	21 53		n.a.	
S 21	23 40	13 43	2 30	25 42	1 59	19 7	1 27	21 17	1 9	4 36	1 23	14 47	2 4	11 15	0 24	17 23	1 37	13 34	16 48	22 29	22 19	21 51		n.a.	
S 22	23 42	9 1	3 24	25 44	2 1	18 45	1 24	21 6	1 9	4 33	1 23	14 45	2 4	11 14	0 24	17 23	1 37	13 34	16 49	22 29	22 20	21 49		n.a.	
M23	23 43	3 56	4 10	25 45	2 2	18 22	1 20	20 55	1 9	4 31	1 22	14 43	2 4	11 14	0 24	17 22	1 37	13 34	16 49	22 29	22 20	21 47		n.a.	
T 24	23 43	1s24	4 46	25 44	2 2	17 59	1 17	20 43	1 8	4 28	1 22	14 41	2 4	11 14	0 24	17 22	1 36	13 34	16 50	22 29	22 21	21 45		n.a.	
W25	23 44	6 48	5 9	25 40	2 3	17 35	1 13	20 32	1 8	4 25	1 22	14 39	2 4	11 13	0 24	17 22	1 36	13 35	16 51	22 29	22 21	21 43		n.a.	
T 26	23 43	12 4	5 17	25 35	2 2	17 11	1 10	20 20	1 7	4 22	1 22	14 37	2 4	11 13	0 24	17 22	1 36	13 35	16 51	22 29	22 21	21 41		n.a.	
F 27	23 42	16 57	5 8	25 29	2 2	16 47	1 6	20 8	1 7	4 18	1 21	14 35	2 4	11 13	0 24	17 21	1 36	13 35	16 52	22 29	22 22	21 39		n.a.	
S 28	23 41	21 8	4 42	25 20	2 0	16 22	1 2	19 56	1 6	4 15	1 21	14 33	2 3	11 12	0 24	17 21	1 36	13 35	16 52	22 29	22 22	21 37		n.a.	
S 29	23 39	24 11	3 57	25 9	1 58	15 57	0 58	19 43	1 6	4 12	1 21	14 31	2 3	11 12	0 24	17 21	1 36	13 36	16 53	22 29	22 23	21 35		n.a.	
M30	23 37	25 43	2 56	24 56	1 56	15 32	0 54	19 31	1 5	4 9	1 20	14 29	2 3	11 12	0 24	17 21	1 36	13 36	16 53	22 30	22 23	21 33		n.a.	
T 31	23s34	25s25	1s41	24s41	1s53	15s 6	0s50	19s18	1s 5	4s 5	1s20	14s27	2s 3	11n12	0s24	17n20	1s36	13n36	16n54	22s30	22s24	21n31		n.a.	

Julian Day Number = 1632636.5, Delta T = 03h41m00s
Ecliptic obliquity = 23°43'32, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'33, Lahiri = - 7°18'33 Julian Calendar 1 Dec. 244 BCE == Greg. Calendar 27 Nov. 244 BCE

The year -243 astronomical counting style corresponds to year 244 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

JANUARY 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 25 17	7♉23'59	14♉39	17♉12	23♒10	9♒39	23♓ 0	27♒28	29°R54	23°R33	4♎36	18°D 0	18♉42	22♋29	n.a.	W 1
T 2	6 29 14	8°24'56	29°48	18°57	24°16	10°25	23° 8	27°34	29♈53	23♉32	4°36	18♉ 0	18°39	22°36	n.a.	T 2
F 3	6 33 10	9°25'51	14♒49	20°43	25°22	11°12	23°16	27°40	29°53	23°31	4°37	18° 1	18°36	22°43	n.a.	F 3
S 4	6 37 7	10°26'45	29°32	22°28	26°27	11°58	23°24	27°46	29°52	23°30	4°37	18° 2	18°33	22°49	n.a.	S 4
S 5	6 41 3	11°27'37	13♓53	24°12	27°33	12°44	23°33	27°52	29°52	23°29	4°37	18° 2	18°29	22°56	n.a.	S 5
M 6	6 45 0	12°28'27	27°49	25°55	28°38	13°31	23°41	27°58	29°52	23°28	4°37	18° 3	18°26	23° 3	n.a.	M 6
T 7	6 48 56	13°29'16	11♈20	27°37	29°42	14°17	23°50	28° 4	29°51	23°27	4°38	18°R 3	18°23	23° 9	n.a.	T 7
W 8	6 52 53	14°30'03	24°28	29°18	0♓47	15° 3	23°59	28°10	29°51	23°26	4°38	18° 3	18°20	23°16	n.a.	W 8
T 9	6 56 50	15°30'49	7♉15	0♒56	1°51	15°49	24° 8	28°16	29°51	23°25	4°38	18° 3	18°17	23°23	n.a.	T 9
F 10	7 0 46	16°31'32	19°45	2°32	2°54	16°36	24°17	28°23	29°51	23°24	4°38	18° 2	18°14	23°29	n.a.	F 10
S 11	7 4 43	17°32'14	2♊ 0	4° 5	3°58	17°22	24°26	28°29	29°D51	23°23	4°R38	18°D 2	18°10	23°36	n.a.	S 11
S 12	7 8 39	18°32'55	14° 5	5°34	5° 1	18° 8	24°36	28°35	29°51	23°22	4°38	18° 2	18° 7	23°42	n.a.	S 12
M13	7 12 36	19°33'33	26° 2	6°59	6° 3	18°54	24°45	28°42	29°51	23°22	4°38	18° 2	18° 4	23°49	n.a.	M13
T 14	7 16 32	20°34'10	7♋53	8°19	7° 6	19°40	24°55	28°48	29°51	23°21	4°38	18° 2	18° 1	23°56	n.a.	T 14
W15	7 20 29	21°34'45	19°42	9°34	8° 8	20°26	25° 5	28°55	29°51	23°20	4°37	18°R 3	17°58	24° 2	n.a.	W15
T 16	7 24 26	22°35'19	1♌30	10°42	9° 9	21°12	25°15	29° 1	29°51	23°19	4°37	18° 2	17°54	24° 9	n.a.	T 16
F 17	7 28 22	23°35'51	13°19	11°43	10°10	21°58	25°25	29° 8	29°52	23°19	4°37	18° 2	17°51	24°16	n.a.	F 17
S 18	7 32 19	24°36'21	25°11	12°36	11°11	22°44	25°35	29°14	29°52	23°18	4°37	18° 1	17°48	24°22	n.a.	S 18
S 19	7 36 15	25°36'50	7♍10	13°22	12°11	23°30	25°45	29°21	29°52	23°17	4°36	18° 0	17°45	24°29	n.a.	S 19
M20	7 40 12	26°37'17	19°18	13°58	13°11	24°16	25°55	29°28	29°53	23°17	4°36	17°59	17°42	24°36	n.a.	M20
T 21	7 44 8	27°37'43	1♎37	14°25	14°10	25° 2	26° 6	29°35	29°53	23°16	4°36	17°58	17°39	24°42	n.a.	T 21
W22	7 48 5	28°38'07	14°12	14°42	15° 9	25°47	26°17	29°42	29°54	23°16	4°35	17°57	17°35	24°49	n.a.	W22
T 23	7 52 1	29°38'30	27° 6	14°R49	16° 8	26°33	26°27	29°48	29°54	23°15	4°35	17°D57	17°32	24°56	n.a.	T 23
F 24	7 55 58	0♒38'51	10♏21	14°46	17° 6	27°19	26°38	29°55	29°55	23°15	4°35	17°57	17°29	25° 2	n.a.	F 24
S 25	7 59 54	1°39'10	24° 1	14°33	18° 3	28° 4	26°49	0♓ 2	29°56	23°14	4°34	17°58	17°26	25° 9	n.a.	S 25
S 26	8 3 51	2°39'29	8♐ 7	14°11	19° 0	28°50	27° 0	0° 9	29°57	23°14	4°34	17°59	17°23	25°16	n.a.	S 26
M27	8 7 48	3°39'45	22°37	13°40	19°56	29°36	27°11	0°16	29°57	23°14	4°33	18° 0	17°20	25°22	n.a.	M27
T 28	8 11 44	4°40'00	7♉28	13° 1	20°52	0♓21	27°22	0°23	29°58	23°13	4°32	18° 1	17°16	25°29	n.a.	T 28
W29	8 15 41	5°40'13	22°34	12°14	21°47	1° 7	27°34	0°31	29°59	23°13	4°32	18°R 1	17°13	25°35	n.a.	W29
T 30	8 19 37	6°40'24	7♒47	11°22	22°41	1°52	27°45	0°38	0♉ 0	23°13	4°31	18° 0	17°10	25°42	n.a.	T 30
F 31	8 23 34	7♒40'34	22♒56	10♒25	23♓35	2♓38	27♓56	0♓45	0♉ 1	23♉13	4♎30	17♉58	17♉ 7	25♋49	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23 s31	23 s13	0 s19	24 s25	1 s49	14 s40	0 s45	19 s 5	1 s 4	4 s 2	1 s20	14 s25	2 s 3	11 n12	0 s24	17 n20	1 s36	13 n37	16 n54	22 s30	22 s24	21 n29		n.a.
T 2	23 27	19 22	1 n 5	24 6	1 45	14 14	0 41	18 52	1 4	3 58	1 20	14 23	2 3	11 12	0 24	17 20	1 36	13 37	16 55	22 30	22 25	21 27		n.a.
F 3	23 23	14 18	2 24	23 45	1 40	13 47	0 36	18 38	1 3	3 55	1 19	14 21	2 3	11 11	0 24	17 20	1 36	13 38	16 56	22 30	22 25	21 25		n.a.
S 4	23 19	8 29	3 31	23 23	1 34	13 21	0 32	18 25	1 3	3 51	1 19	14 18	2 3	11 11	0 24	17 19	1 36	13 38	16 56	22 30	22 25	21 23		n.a.
S 5	23 13	2 22	4 23	22 59	1 28	12 53	0 27	18 11	1 2	3 48	1 19	14 16	2 2	11 11	0 24	17 19	1 36	13 38	16 57	22 30	22 26	21 21		n.a.
M 6	23 8	3 n41	4 58	22 32	1 21	12 26	0 22	17 57	1 2	3 44	1 18	14 14	2 2	11 11	0 24	17 19	1 36	13 39	16 57	22 30	22 26	21 19		n.a.
T 7	23 2	9 22	5 16	22 5	1 13	11 59	0 17	17 43	1 1	3 40	1 18	14 12	2 2	11 11	0 24	17 19	1 36	13 39	16 58	22 30	22 27	21 17		n.a.
W 8	22 56	14 28	5 16	21 35	1 4	11 31	0 12	17 29	1 1	3 36	1 18	14 10	2 2	11 11	0 24	17 19	1 36	13 40	16 58	22 30	22 27	21 15		n.a.
T 9	22 49	18 49	5 0	21 5	0 55	11 3	0 7	17 15	1 0	3 33	1 18	14 7	2 2	11 11	0 24	17 18	1 36	13 40	16 59	22 30	22 28	21 13		n.a.
F 10	22 41	22 13	4 31	20 33	0 44	10 35	0 1	17 0	1 0	3 29	1 17	14 5	2 2	11 11	0 24	17 18	1 36	13 41	16 59	22 30	22 28	21 11		n.a.
S 11	22 34	24 33	3 49	20 0	0 33	10 7	0 n 4	16 45	0 59	3 25	1 17	14 3	2 2	11 11	0 24	17 18	1 36	13 41	17 0	22 30	22 29	21 9		n.a.
S 12	22 25	25 42	2 58	19 27	0 21	9 38	0 10	16 30	0 59	3 21	1 17	14 0	2 2	11 11	0 24	17 18	1 36	13 42	17 1	22 30	22 29	21 7		n.a.
M13	22 17	25 39	1 59	18 53	0 8	9 10	0 15	16 15	0 58	3 17	1 17	13 58	2 2	11 11	0 24	17 18	1 36	13 42	17 1	22 30	22 29	21 5		n.a.
T 14	22 8	24 25	0 56	18 19	0 n 5	8 41	0 21	16 0	0 58	3 13	1 16	13 56	2 2	11 11	0 24	17 18	1 35	13 43	17 2	22 30	22 30	21 3		n.a.
W15	21 58	22 6	0 s 9	17 45	0 20	8 13	0 27	15 45	0 57	3 8	1 16	13 53	2 2	11 11	0 24	17 17	1 35	13 43	17 2	22 30	22 30	21 1		n.a.
T 16	21 48	18 52	1 14	17 13	0 34	7 44	0 33	15 30	0 57	3 4	1 16	13 51	2 1	11 11	0 24	17 17	1 35	13 44	17 3	22 30	22 31	20 59		n.a.
F 17	21 38	14 51	2 16	16 41	0 50	7 15	0 39	15 14	0 56	3 0	1 16	13 48	2 1	11 11	0 24	17 17	1 35	13 44	17 3	22 30	22 31	20 57		n.a.
S 18	21 27	10 16	3 12	16 10	1 6	6 46	0 45	14 58	0 55	2 56	1 15	13 46	2 1	11 12	0 23	17 17	1 35	13 45	17 4	22 30	22 32	20 55		n.a.
S 19	21 16	5 16	4 0	15 42	1 22	6 17	0 51	14 43	0 55	2 51	1 15	13 43	2 1	11 12	0 23	17 17	1 35	13 46	17 4	22 30	22 32	20 53		n.a.
M20	21 5	0 1	4 39	15 16	1 38	5 48	0 57	14 27	0 54	2 47	1 15	13 41	2 1	11 12	0 23	17 17	1 35	13 46	17 5	22 30	22 32	20 51		n.a.
T 21	20 53	5 s18	5 5	14 53	1 55	5 19	1 4	14 11	0 54	2 43	1 15	13 39	2 1	11 12	0 23	17 17	1 35	13 47	17 5	22 30	22 33	20 49		n.a.
W22	20 41	10 31	5 17	14 32	2 11	4 50	1 10	13 54	0 53	2 38	1 15	13 36	2 1	11 12	0 23	17 17	1 35	13 47	17 6	22 30	22 33	20 47		n.a.
T 23	20 28	15 25	5 13	14 15	2 26	4 21	1 17	13 38	0 53	2 34	1 14	13 34	2 1	11 13	0 23	17 17	1 35	13 48	17 6	22 30	22 34	20 45		n.a.
F 24	20 15	19 44	4 53	14 2	2 41	3 53	1 24	13 22	0 52	2 29	1 14	13 31	2 1	11 13	0 23	17 17	1 35	13 49	17 7	22 30	22 34	20 43		n.a.
S 25	20 2	23 8	4 17	13 52	2 56	3 24	1 30	13 5	0 52	2 25	1 14	13 28	2 1	11 13	0 23	17 17	1 35	13 49	17 7	22 30	22 34	20 41		n.a.
S 26	19 48	25 16	3 24	13 46	3 9	2 55	1 37	12 49	0 51	2 20	1 14	13 26	2 1	11 13	0 23	17 17	1 35	13 50	17 8	22 30	22 35	20 39		n.a.
M27	19 34	25 47	2 16	13 44	3 20	2 26	1 44	12 32	0 50	2 15	1 13	13 23	2 1	11 14	0 23	17 16	1 35	13 51	17 8	22 30	22 35	20 37		n.a.
T 28	19 19	24 29	0 58	13 45	3 30	1 58	1 51	12 15	0 50	2 11	1 13	13 21	2 1	11 14	0 23	17 16	1 35	13 51	17 9	22 30	22 36	20 34		n.a.
W29	19 5	21 24	0 n25	13 50	3 38	1 29	1 58	11 58	0 49	2 6	1 13	13 18	2 1	11 14	0 23	17 16	1 35	13 52	17 9	22 30	22 36	20 32		n.a.
T 30	18 50	16 49	1 47	13 59	3 45	1 1	2 5	11 41	0 49	2 1	1 13	13 16	2 1	11 15	0 23	17 16	1 35	13 53	17 10	22 30	22 36	20 30		n.a.
F 31	18 s34	11 s11	3 n 1	14 s10	3 n49	0 s33	2 n13	11 s24	0 s48	1 s56	1 s13	13 s13	2 s 1	11 n15	0 s23	17 n16	1 s34	13 n54	17 n10	22 s30	22 s37	20 n28		n.a.

Julian Day Number = 1632667.5, Delta T = 03h40m59s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'29, Lahiri = - 7°18'29 Julian Calendar 1 Jan. 243 BCE == Greg. Calendar 28 Dec. 244 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

FEBRUARY 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 27 30	8♒40'41	7♓53	9°R25	24♓29	3♓23	28♓ 8	0♓52	0♉ 2	23°R12	4°R30	17°R56	17♑ 4	25♋55	n.a.	S 1
S 2	8 31 27	9°40'46	22°29	8♒23	25°21	4° 8	28°20	0°59	0° 3	23♉12	4♎29	17♑53	17° 0	26° 2	n.a.	S 2
M 3	8 35 24	10°40'48	6♈39	7°21	26°13	4°54	28°31	1° 7	0° 4	23°12	4°28	17°50	16°57	26° 9	n.a.	M 3
T 4	8 39 20	11°40'49	20°21	6°20	27° 4	5°39	28°43	1°14	0° 6	23°12	4°27	17°47	16°54	26°15	n.a.	T 4
W 5	8 43 17	12°40'47	3♉35	5°22	27°54	6°24	28°55	1°21	0° 7	23°12	4°27	17°46	16°51	26°22	n.a.	W 5
T 6	8 47 13	13°40'43	16°24	4°28	28°43	7° 9	29° 7	1°28	0° 8	23°D12	4°26	17°D46	16°48	26°29	n.a.	T 6
F 7	8 51 10	14°40'37	28°52	3°38	29°32	7°54	29°19	1°36	0°10	23°12	4°25	17°46	16°45	26°35	n.a.	F 7
S 8	8 55 6	15°40'28	11♊ 3	2°53	0♈20	8°40	29°31	1°43	0°11	23°12	4°24	17°48	16°41	26°42	n.a.	S 8
S 9	8 59 3	16°40'17	23° 1	2°14	1° 6	9°25	29°44	1°51	0°12	23°12	4°23	17°50	16°38	26°49	n.a.	S 9
M10	9 2 59	17°40'04	4♋52	1°41	1°52	10°10	29°56	1°58	0°14	23°12	4°22	17°51	16°35	26°55	n.a.	M10
T 11	9 6 56	18°39'48	16°39	1°15	2°37	10°55	0♈ 8	2° 5	0°16	23°12	4°21	17°R52	16°32	27° 2	n.a.	T 11
W12	9 10 52	19°39'30	28°26	0°55	3°21	11°39	0°21	2°13	0°17	23°13	4°20	17°51	16°29	27° 9	n.a.	W12
T 13	9 14 49	20°39'10	10♌15	0°41	4° 4	12°24	0°33	2°20	0°19	23°13	4°19	17°49	16°26	27°15	n.a.	T 13
F 14	9 18 46	21°38'48	22°10	0°34	4°45	13° 9	0°46	2°28	0°20	23°13	4°18	17°45	16°22	27°22	n.a.	F 14
S 15	9 22 42	22°38'24	4♍11	0°D33	5°26	13°54	0°58	2°35	0°22	23°13	4°17	17°40	16°19	27°28	n.a.	S 15
S 16	9 26 39	23°37'57	16°21	0°38	6° 5	14°39	1°11	2°43	0°24	23°14	4°15	17°34	16°16	27°35	n.a.	S 16
M17	9 30 35	24°37'29	28°40	0°49	6°43	15°23	1°24	2°50	0°26	23°14	4°14	17°27	16°13	27°42	n.a.	M17
T 18	9 34 32	25°36'58	11♎11	1° 5	7°20	16° 8	1°37	2°58	0°28	23°14	4°13	17°21	16°10	27°48	n.a.	T 18
W19	9 38 28	26°36'26	23°54	1°26	7°56	16°52	1°50	3° 5	0°30	23°15	4°12	17°15	16° 6	27°55	n.a.	W19
T 20	9 42 25	27°35'52	6♏52	1°52	8°30	17°37	2° 3	3°13	0°31	23°15	4°11	17°11	16° 3	28° 2	n.a.	T 20
F 21	9 46 21	28°35'15	20° 6	2°23	9° 3	18°21	2°16	3°21	0°33	23°16	4° 9	17° 9	16° 0	28° 8	n.a.	F 21
S 22	9 50 18	29°34'38	3♐39	2°57	9°34	19° 6	2°29	3°28	0°36	23°16	4° 8	17°D 9	15°57	28°15	n.a.	S 22
S 23	9 54 15	0♓33'58	17°31	3°36	10° 4	19°50	2°42	3°36	0°38	23°17	4° 7	17°10	15°54	28°22	n.a.	S 23
M24	9 58 11	1°33'16	1♑44	4°19	10°32	20°34	2°55	3°43	0°40	23°17	4° 5	17°11	15°51	28°28	n.a.	M24
T 25	10 2 8	2°32'33	16°16	5° 6	10°58	21°19	3° 8	3°51	0°42	23°18	4° 4	17°R12	15°47	28°35	n.a.	T 25
W26	10 6 4	3°31'48	1♒ 4	5°56	11°23	22° 3	3°22	3°58	0°44	23°19	4° 3	17°11	15°44	28°42	n.a.	W26
T 27	10 10 1	4°31'00	16° 2	6°49	11°46	22°47	3°35	4° 6	0°46	23°19	4° 1	17° 8	15°41	28°48	n.a.	T 27
F 28	10 13 57	5♓30'11	1♓ 2	7♒45	12♈ 7	23♓31	3♈48	4♓14	0♉49	23♉20	4♎ 0	17♑ 3	15♑38	28♋55	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s18	4s59	4n 2	14s24	3n51	0s 5	2n20	11s 7	0s47	1s51	1s12	13s10	2s 1	11n16	0s23	17n16	1s34	13n54	17n11	22s31	22s37	20n26		n.a.
S 2	18 2	1n20	4 45	14 40	3 51	0n23	2 28	10 50	0 47	1 47	1 12	13 8	2 1	11 16	0 23	17 16	1 34	13 55	17 11	22 31	22 38	20 24		n.a.
M 3	17 46	7 24	5 9	14 58	3 49	0 51	2 35	10 33	0 46	1 42	1 12	13 5	2 1	11 16	0 23	17 17	1 34	13 56	17 12	22 31	22 38	20 22		n.a.
T 4	17 29	12 53	5 15	15 17	3 44	1 18	2 43	10 15	0 46	1 37	1 12	13 2	2 0	11 17	0 23	17 17	1 34	13 56	17 12	22 32	22 39	20 20		n.a.
W 5	17 12	17 36	5 3	15 38	3 38	1 45	2 50	9 58	0 45	1 32	1 12	13 0	2 0	11 17	0 23	17 17	1 34	13 57	17 13	22 32	22 39	20 18		n.a.
T 6	16 55	21 21	4 37	15 58	3 30	2 12	2 58	9 40	0 44	1 27	1 12	12 57	2 0	11 18	0 23	17 17	1 34	13 58	17 13	22 32	22 39	20 15		n.a.
F 7	16 37	24 0	3 58	16 19	3 21	2 39	3 6	9 23	0 44	1 22	1 11	12 54	2 0	11 18	0 23	17 17	1 34	13 59	17 14	22 32	22 40	20 13		n.a.
S 8	16 20	25 29	3 9	16 40	3 10	3 5	3 13	9 5	0 43	1 17	1 11	12 52	2 0	11 19	0 23	17 17	1 34	13 59	17 14	22 32	22 40	20 11		n.a.
S 9	16 2	25 45	2 12	17 0	2 59	3 31	3 21	8 47	0 43	1 12	1 11	12 49	2 0	11 19	0 23	17 17	1 34	14 0	17 14	22 31	22 41	20 9		n.a.
M10	15 43	24 49	1 11	17 19	2 46	3 57	3 29	8 30	0 42	1 6	1 11	12 46	2 0	11 20	0 23	17 17	1 34	14 1	17 15	22 31	22 41	20 7		n.a.
T 11	15 25	22 47	0 7	17 38	2 33	4 22	3 37	8 12	0 41	1 1	1 11	12 43	2 0	11 21	0 23	17 17	1 34	14 2	17 15	22 31	22 41	20 5		n.a.
W12	15 6	19 47	0s58	17 55	2 20	4 47	3 45	7 54	0 41	0 56	1 10	12 41	2 0	11 21	0 23	17 17	1 34	14 3	17 16	22 31	22 42	20 3		n.a.
T 13	14 47	15 58	2 0	18 12	2 6	5 11	3 53	7 36	0 40	0 51	1 10	12 38	2 0	11 22	0 23	17 17	1 34	14 3	17 16	22 31	22 42	20 0		n.a.
F 14	14 27	11 30	2 57	18 27	1 52	5 35	4 1	7 18	0 40	0 46	1 10	12 35	2 0	11 22	0 23	17 17	1 34	14 4	17 17	22 32	22 42	19 58		n.a.
S 15	14 8	6 35	3 46	18 41	1 38	5 59	4 9	7 0	0 39	0 41	1 10	12 33	2 0	11 23	0 23	17 18	1 34	14 5	17 17	22 33	22 43	19 56		n.a.
S 16	13 48	1 22	4 26	18 54	1 24	6 22	4 17	6 42	0 38	0 35	1 10	12 30	2 0	11 24	0 23	17 18	1 33	14 6	17 17	22 33	22 43	19 54		n.a.
M17	13 28	3s57	4 54	19 5	1 10	6 45	4 25	6 24	0 38	0 30	1 10	12 27	2 0	11 24	0 23	17 18	1 33	14 7	17 18	22 34	22 44	19 52		n.a.
T 18	13 8	9 12	5 9	19 14	0 56	7 7	4 33	6 6	0 37	0 25	1 9	12 24	2 0	11 25	0 23	17 18	1 33	14 7	17 18	22 35	22 44	19 50		n.a.
W19	12 48	14 9	5 8	19 23	0 43	7 29	4 41	5 48	0 36	0 19	1 9	12 22	2 0	11 26	0 23	17 18	1 33	14 8	17 18	22 36	22 44	19 47		n.a.
T 20	12 27	18 34	4 53	19 30	0 30	7 50	4 49	5 30	0 36	0 14	1 9	12 19	2 0	11 26	0 23	17 18	1 33	14 9	17 19	22 36	22 45	19 45		n.a.
F 21	12 6	22 10	4 21	19 35	0 17	8 10	4 57	5 12	0 35	0 9	1 9	12 16	2 0	11 27	0 23	17 19	1 33	14 10	17 19	22 37	22 45	19 43		n.a.
S 22	11 45	24 38	3 34	19 39	0 5	8 30	5 5	4 54	0 35	0 3	1 9	12 13	2 0	11 28	0 23	17 19	1 33	14 11	17 19	22 37	22 46	19 41		n.a.
S 23	11 24	25 41	2 34	19 41	0s 7	8 49	5 13	4 35	0 34	0n 2	1 9	12 11	2 1	11 29	0 22	17 19	1 33	14 11	17 20	22 37	22 46	19 39		n.a.
M24	11 3	25 6	1 23	19 42	0 18	9 8	5 21	4 17	0 33	0 8	1 9	12 8	2 1	11 29	0 22	17 19	1 33	14 12	17 20	22 36	22 46	19 37		n.a.
T 25	10 41	22 48	0 5	19 41	0 29	9 26	5 29	3 59	0 33	0 13	1 8	12 5	2 1	11 30	0 22	17 19	1 33	14 13	17 20	22 36	22 47	19 34		n.a.
W26	10 20	18 57	1n14	19 39	0 40	9 43	5 37	3 41	0 32	0 19	1 8	12 2	2 1	11 31	0 22	17 20	1 33	14 14	17 21	22 36	22 47	19 32		n.a.
T 27	9 58	13 51	2 29	19 35	0 50	9 59	5 45	3 23	0 31	0 24	1 8	11 59	2 1	11 32	0 22	17 20	1 33	14 15	17 21	22 37	22 47	19 30		n.a.
F 28	9s36	7s54	3n34	19s30	0s59	10n14	5n52	3s 4	0s31	0n29	1s 8	11s57	2s 1	11n33	0s22	17n20	1s33	14n15	17n21	22s37	22s48	19n28		n.a.

Julian Day Number = 1632698.5, Delta T = 03h40m58s
Ecliptic obliquity = 23°43'32, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'25, Lahiri = - 7°18'24 Julian Calendar 1 Feb. 243 BCE == Greg. Calendar 28 Jan. 243 BCE

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

MARCH 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 17 54	6♓29'19	15♓55	8♒44	12♈27	24♓15	4♈ 2	4♓21	0♉51	23♉21	3°R58	16°R56	15♑35	29♋ 2	n.a.	S 1
S 2	10 21 50	7°28'25	0♈33	9°45	12°44	25° 0	4°15	4°29	0°53	23°22	3♎57	16♑48	15°32	29° 8	n.a.	S 2
M 3	10 25 47	8°27'29	14°48	10°50	13° 0	25°44	4°29	4°36	0°56	23°23	3°55	16°40	15°28	29°15	n.a.	M 3
T 4	10 29 43	9°26'31	28°37	11°56	13°13	26°27	4°42	4°44	0°58	23°23	3°54	16°33	15°25	29°22	n.a.	T 4
W 5	10 33 40	10°25'30	11♉58	13° 5	13°24	27°11	4°56	4°51	1° 1	23°24	3°52	16°27	15°22	29°28	n.a.	W 5
T 6	10 37 37	11°24'27	24°52	14°17	13°33	27°55	5°10	4°59	1° 3	23°25	3°51	16°24	15°19	29°35	n.a.	T 6
F 7	10 41 33	12°23'21	7♊22	15°30	13°40	28°39	5°23	5° 7	1° 6	23°26	3°49	16°D22	15°16	29°41	n.a.	F 7
S 8	10 45 30	13°22'14	19°34	16°46	13°44	29°23	5°37	5°14	1° 8	23°27	3°48	16°22	15°12	29°48	n.a.	S 8
S 9	10 49 26	14°21'03	1♋32	18° 3	13°R46	0♈ 6	5°51	5°22	1°11	23°28	3°46	16°23	15° 9	29°55	n.a.	S 9
M10	10 53 23	15°19'51	13°22	19°23	13°46	0°50	6° 4	5°29	1°14	23°29	3°45	16°R24	15° 6	0♌ 1	n.a.	M10
T 11	10 57 19	16°18'36	25° 8	20°44	13°43	1°34	6°18	5°37	1°16	23°30	3°43	16°23	15° 3	0° 8	n.a.	T 11
W12	11 1 16	17°17'19	6♌56	22° 8	13°38	2°17	6°32	5°44	1°19	23°31	3°42	16°21	15° 0	0°15	n.a.	W12
T 13	11 5 12	18°15'59	18°50	23°33	13°30	3° 1	6°46	5°52	1°22	23°32	3°40	16°16	14°57	0°21	n.a.	T 13
F 14	11 9 9	19°14'37	0♍51	25° 0	13°20	3°44	7° 0	5°59	1°24	23°34	3°38	16° 9	14°53	0°28	n.a.	F 14
S 15	11 13 6	20°13'14	13° 3	26°28	13° 7	4°28	7°14	6° 7	1°27	23°35	3°37	16° 0	14°50	0°35	n.a.	S 15
S 16	11 17 2	21°11'48	25°27	27°59	12°52	5°11	7°28	6°14	1°30	23°36	3°35	15°49	14°47	0°41	n.a.	S 16
M17	11 20 59	22°10'20	8♎ 3	29°31	12°34	5°54	7°42	6°21	1°33	23°37	3°33	15°37	14°44	0°48	n.a.	M17
T 18	11 24 55	23° 8'50	20°52	1♐ 5	12°14	6°37	7°56	6°29	1°36	23°39	3°32	15°25	14°41	0°55	n.a.	T 18
W19	11 28 52	24° 7'18	3♏52	2°40	11°52	7°21	8°10	6°36	1°39	23°40	3°30	15°15	14°37	1° 1	n.a.	W19
T 20	11 32 48	25° 5'44	17° 4	4°18	11°27	8° 4	8°24	6°43	1°42	23°41	3°28	15° 8	14°34	1° 8	n.a.	T 20
F 21	11 36 45	26° 4'09	0♐28	5°56	11° 0	8°47	8°38	6°51	1°45	23°42	3°27	15° 3	14°31	1°15	n.a.	F 21
S 22	11 40 41	27° 2'32	14° 5	7°37	10°32	9°30	8°52	6°58	1°48	23°44	3°25	15° 0	14°28	1°21	n.a.	S 22
S 23	11 44 38	28° 0'54	27°54	9°19	10° 1	10°13	9° 6	7° 5	1°51	23°45	3°23	15°D 0	14°25	1°28	n.a.	S 23
M24	11 48 35	28°59'14	11♑56	11° 3	9°29	10°56	9°20	7°13	1°54	23°47	3°22	15°R 0	14°22	1°35	n.a.	M24
T 25	11 52 31	29°57'32	26°11	12°49	8°56	11°39	9°34	7°20	1°57	23°48	3°20	15° 0	14°18	1°41	n.a.	T 25
W26	11 56 28	0♈55'49	10♒38	14°36	8°21	12°22	9°48	7°27	2° 0	23°50	3°18	14°58	14°15	1°48	n.a.	W26
T 27	12 0 24	1°54'04	25°13	16°25	7°45	13° 5	10° 3	7°34	2° 3	23°51	3°17	14°53	14°12	1°54	n.a.	T 27
F 28	12 4 21	2°52'17	9♓50	18°16	7° 8	13°47	10°17	7°41	2° 6	23°53	3°15	14°46	14° 9	2° 1	n.a.	F 28
S 29	12 8 17	3°50'28	24°24	20° 8	6°31	14°30	10°31	7°48	2° 9	23°54	3°13	14°36	14° 6	2° 8	n.a.	S 29
S 30	12 12 14	4°48'38	8♈48	22° 3	5°53	15°13	10°45	7°56	2°12	23°56	3°11	14°25	14° 3	2°14	n.a.	S 30
M31	12 16 10	5♈46'46	22♈54	23♓58	5♈15	15♈55	10♈59	8♓ 3	2♉16	23♉57	3♎10	14♑13	13♑59	2♌21	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s14	1s34	4n24	19s23	1s 8	10n29	6n 0	2s46	0s30	0n35	1s 8	11s54	2s 1	11n34	0s22	17n20	1s33	14n16	17n21	22s38	22s48	19n26		n.a.
S 2	8 52	4n43	4 55	19 15	1 17	10 42	6 7	2 28	0 30	0 41	1 8	11 51	2 1	11 34	0 22	17 21	1 33	14 17	17 22	22 39	22 49	19 23		n.a.
M 3	8 30	10 36	5 7	19 5	1 25	10 55	6 14	2 10	0 29	0 46	1 8	11 48	2 1	11 35	0 22	17 21	1 33	14 18	17 22	22 40	22 49	19 21		n.a.
T 4	8 7	15 47	5 0	18 54	1 33	11 7	6 21	1 51	0 28	0 52	1 8	11 46	2 1	11 36	0 22	17 21	1 33	14 19	17 22	22 41	22 49	19 19		n.a.
W 5	7 45	20 0	4 37	18 41	1 40	11 17	6 28	1 33	0 28	0 57	1 7	11 43	2 1	11 37	0 22	17 21	1 32	14 20	17 22	22 42	22 50	19 17		n.a.
T 6	7 22	23 6	4 1	18 26	1 46	11 27	6 35	1 15	0 27	1 3	1 7	11 40	2 1	11 38	0 22	17 22	1 32	14 20	17 23	22 42	22 50	19 14		n.a.
F 7	7 0	24 59	3 14	18 10	1 52	11 35	6 41	0 57	0 26	1 8	1 7	11 37	2 1	11 39	0 22	17 22	1 32	14 21	17 23	22 43	22 50	19 12		n.a.
S 8	6 37	25 37	2 19	17 52	1 58	11 43	6 47	0 39	0 26	1 14	1 7	11 35	2 1	11 40	0 22	17 22	1 32	14 22	17 23	22 43	22 51	19 10		n.a.
S 9	6 14	25 2	1 19	17 33	2 3	11 49	6 53	0 20	0 25	1 20	1 7	11 32	2 1	11 41	0 22	17 23	1 32	14 23	17 23	22 42	22 51	19 8		n.a.
M10	5 51	23 19	0 16	17 12	2 8	11 53	6 58	0 2	0 25	1 25	1 7	11 29	2 1	11 42	0 22	17 23	1 32	14 23	17 23	22 42	22 52	19 5		n.a.
T 11	5 28	20 36	0s47	16 50	2 12	11 57	7 3	0n16	0 24	1 31	1 7	11 26	2 1	11 43	0 22	17 23	1 32	14 24	17 24	22 42	22 52	19 3		n.a.
W12	5 5	17 1	1 48	16 26	2 15	11 59	7 7	0 34	0 23	1 36	1 7	11 24	2 1	11 44	0 22	17 23	1 32	14 25	17 24	22 43	22 52	19 1		n.a.
T 13	4 42	12 46	2 44	16 0	2 19	12 0	7 12	0 52	0 23	1 42	1 7	11 21	2 1	11 45	0 22	17 24	1 32	14 26	17 24	22 43	22 53	18 59		n.a.
F 14	4 18	7 58	3 34	15 33	2 21	11 59	7 15	1 10	0 22	1 48	1 6	11 18	2 2	11 46	0 22	17 24	1 32	14 27	17 24	22 44	22 53	18 56		n.a.
S 15	3 55	2 49	4 15	15 5	2 23	11 57	7 18	1 28	0 21	1 53	1 6	11 16	2 2	11 47	0 22	17 25	1 32	14 27	17 24	22 45	22 53	18 54		n.a.
S 16	3 32	2s30	4 44	14 35	2 25	11 53	7 21	1 46	0 21	1 59	1 6	11 13	2 2	11 48	0 22	17 25	1 32	14 28	17 24	22 47	22 54	18 52		n.a.
M17	3 8	7 49	5 0	14 3	2 26	11 48	7 23	2 4	0 20	2 5	1 6	11 10	2 2	11 49	0 22	17 25	1 32	14 29	17 24	22 48	22 54	18 50		n.a.
T 18	2 45	12 52	5 1	13 30	2 26	11 41	7 24	2 22	0 19	2 10	1 6	11 7	2 2	11 50	0 22	17 26	1 32	14 30	17 25	22 49	22 54	18 47		n.a.
W19	2 22	17 27	4 47	12 55	2 26	11 33	7 25	2 40	0 19	2 16	1 6	11 5	2 2	11 51	0 22	17 26	1 32	14 30	17 25	22 50	22 55	18 45		n.a.
T 20	1 58	21 14	4 17	12 19	2 26	11 23	7 25	2 57	0 18	2 22	1 6	11 2	2 2	11 52	0 22	17 26	1 32	14 31	17 25	22 51	22 55	18 43		n.a.
F 21	1 35	23 58	3 33	11 41	2 25	11 12	7 24	3 15	0 18	2 27	1 6	10 59	2 2	11 53	0 22	17 27	1 32	14 32	17 25	22 52	22 55	18 40		n.a.
S 22	1 11	25 21	2 36	11 1	2 23	10 59	7 23	3 33	0 17	2 33	1 6	10 57	2 2	11 54	0 22	17 27	1 32	14 33	17 25	22 52	22 56	18 38		n.a.
S 23	0 48	25 12	1 30	10 20	2 21	10 45	7 20	3 51	0 16	2 39	1 6	10 54	2 2	11 55	0 22	17 28	1 31	14 33	17 25	22 52	22 56	18 36		n.a.
M24	0 24	23 27	0 16	9 38	2 18	10 29	7 17	4 8	0 16	2 44	1 6	10 51	2 3	11 56	0 22	17 28	1 31	14 34	17 25	22 52	22 56	18 34		n.a.
T 25	0 1	20 12	0n59	8 54	2 15	10 12	7 13	4 26	0 15	2 50	1 5	10 49	2 3	11 57	0 22	17 28	1 31	14 35	17 25	22 52	22 57	18 31		n.a.
W26	0n22	15 40	2 11	8 9	2 11	9 54	7 9	4 43	0 14	2 56	1 5	10 46	2 3	11 58	0 22	17 29	1 31	14 35	17 25	22 52	22 57	18 29		n.a.
T 27	0 46	10 12	3 16	7 22	2 7	9 34	7 3	5 1	0 14	3 1	1 5	10 44	2 3	11 59	0 22	17 29	1 31	14 36	17 25	22 53	22 57	18 27		n.a.
F 28	1 9	4 9	4 8	6 34	2 2	9 13	6 57	5 18	0 13	3 7	1 5	10 41	2 3	12 0	0 22	17 30	1 31	14 37	17 25	22 54	22 58	18 24		n.a.
S 29	1 33	2n 4	4 43	5 44	1 57	8 52	6 50	5 35	0 13	3 13	1 5	10 38	2 3	12 1	0 22	17 30	1 31	14 37	17 25	22 55	22 58	18 22		n.a.
S 30	1 56	8 6	5 0	4 53	1 51	8 29	6 42	5 53	0 12	3 18	1 5	10 36	2 3	12 3	0 22	17 30	1 31	14 38	17 25	22 56	22 59	18 20		n.a.
M31	2n19	13n36	4n58	4s 1	1s45	8n 6	6n33	6n10	0s11	3n24	1s 5	10s33	2s 3	12n 4	0s22	17n31	1s31	14n39	17n25	22s57	22s59	18n17		n.a.

Julian Day Number = 1632726.5, Delta T = 03h40m57s
Ecliptic obliquity = 23°43'32, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'21, Lahiri = - 7°18'21 Julian Calendar 1 March 243 BCE == Greg. Calendar 25 Feb. 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

APRIL 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 20 7	6♈44'52	6♉38	25♓56	4°R37	16♈38	11♈13	8♓10	2♉19	23♉59	3°R 8	14°R 2	13♑56	2♌28	n.a.	T 1
W 2	12 24 3	7°42'56	19°57	27°55	3♈59	17°20	11°28	8°17	2°22	24° 1	3♎ 6	13♑53	13°53	2°34	n.a.	W 2
T 3	12 28 0	8°40'58	2♊52	29°56	3°22	18° 3	11°42	8°23	2°25	24° 2	3° 5	13°47	13°50	2°41	n.a.	T 3
F 4	12 31 57	9°38'59	15°24	1♈58	2°46	18°45	11°56	8°30	2°29	24° 4	3° 3	13°43	13°47	2°48	n.a.	F 4
S 5	12 35 53	10°36'57	27°37	4° 2	2°11	19°28	12°10	8°37	2°32	24° 6	3° 1	13°41	13°43	2°54	n.a.	S 5
S 6	12 39 50	11°34'54	9♋37	6° 7	1°37	20°10	12°25	8°44	2°35	24° 8	3° 0	13°41	13°40	3° 1	n.a.	S 6
M 7	12 43 46	12°32'48	21°28	8°14	1° 5	20°52	12°39	8°51	2°39	24° 9	2°58	13°41	13°37	3° 8	n.a.	M 7
T 8	12 47 43	13°30'41	3♌16	10°22	0°34	21°34	12°53	8°57	2°42	24°11	2°56	13°40	13°34	3°14	n.a.	T 8
W 9	12 51 39	14°28'31	15° 6	12°31	0° 5	22°17	13° 7	9° 4	2°45	24°13	2°55	13°37	13°31	3°21	n.a.	W 9
T 10	12 55 36	15°26'20	27° 4	14°40	29♓38	22°59	13°21	9°11	2°49	24°15	2°53	13°32	13°28	3°28	n.a.	T 10
F 11	12 59 32	16°24'07	9♍12	16°50	29°13	23°41	13°36	9°17	2°52	24°16	2°51	13°24	13°24	3°34	n.a.	F 11
S 12	13 3 29	17°21'52	21°34	19° 1	28°50	24°23	13°50	9°24	2°55	24°18	2°50	13°14	13°21	3°41	n.a.	S 12
S 13	13 7 26	18°19'36	4♎12	21°11	28°29	25° 5	14° 4	9°30	2°59	24°20	2°48	13° 2	13°18	3°48	n.a.	S 13
M14	13 11 22	19°17'18	17° 6	23°22	28°11	25°47	14°18	9°37	3° 2	24°22	2°47	12°49	13°15	3°54	n.a.	M14
T 15	13 15 19	20°14'59	0♏15	25°32	27°55	26°29	14°32	9°43	3° 6	24°24	2°45	12°37	13°12	4° 1	n.a.	T 15
W16	13 19 15	21°12'38	13°38	27°41	27°42	27°10	14°46	9°50	3° 9	24°26	2°43	12°26	13° 8	4° 8	n.a.	W16
T 17	13 23 12	22°10'16	27°12	29°50	27°30	27°52	15° 1	9°56	3°13	24°28	2°42	12°18	13° 5	4°14	n.a.	T 17
F 18	13 27 8	23° 7'53	10♐56	1♉57	27°22	28°34	15°15	10° 2	3°16	24°30	2°40	12°12	13° 2	4°21	n.a.	F 18
S 19	13 31 5	24° 5'29	24°47	4° 2	27°16	29°16	15°29	10° 8	3°19	24°32	2°39	12° 9	12°59	4°27	n.a.	S 19
S 20	13 35 1	25° 3'04	8♑45	6° 6	27°12	29°57	15°43	10°15	3°23	24°34	2°37	12°D 9	12°56	4°34	n.a.	S 20
M21	13 38 58	26° 0'37	22°48	8° 8	27°D10	0♉39	15°57	10°21	3°26	24°36	2°36	12°R 9	12°53	4°41	n.a.	M21
T 22	13 42 55	26°58'10	6♒56	10° 7	27°11	1°21	16°11	10°27	3°30	24°38	2°34	12° 8	12°49	4°47	n.a.	T 22
W23	13 46 51	27°55'41	21° 8	12° 5	27°15	2° 2	16°25	10°33	3°33	24°40	2°33	12° 7	12°46	4°54	n.a.	W23
T 24	13 50 48	28°53'12	5♓22	14° 0	27°20	2°44	16°39	10°39	3°37	24°42	2°31	12° 3	12°43	5° 1	n.a.	T 24
F 25	13 54 44	29°50'42	19°35	15°52	27°28	3°25	16°53	10°44	3°40	24°44	2°30	11°56	12°40	5° 7	n.a.	F 25
S 26	13 58 41	0♉48'10	3♈43	17°42	27°38	4° 6	17° 7	10°50	3°44	24°46	2°28	11°47	12°37	5°14	n.a.	S 26
S 27	14 2 37	1°45'38	17°42	19°28	27°50	4°48	17°21	10°56	3°47	24°48	2°27	11°36	12°34	5°21	n.a.	S 27
M28	14 6 34	2°43'05	1♉27	21°13	28° 4	5°29	17°35	11° 2	3°51	24°50	2°25	11°25	12°30	5°27	n.a.	M28
T 29	14 10 30	3°40'30	14°54	22°54	28°20	6°10	17°49	11° 7	3°54	24°52	2°24	11°15	12°27	5°34	n.a.	T 29
W30	14 14 27	4♉37'55	28♉ 2	24♉32	28♓38	6♉52	18♈ 3	11♓13	3♉58	24♉54	2♎23	11♑ 6	12♑24	5♌41	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n43	18n15	4n38	3s 8	1s38	7n42	6n24	6n27	0s11	3n30	1s 5	10s31	2s 3	12n 5	0s22	17n31	1s31	14n39	17n25	22s59	22s59	18n15		n.a.
W 2	3 6	21 51	4 4	2 13	1 30	7 18	6 13	6 44	0 10	3 36	1 5	10 28	2 4	12 6	0 22	17 32	1 31	14 40	17 25	22 59	23 0	18 13		n.a.
T 3	3 29	24 13	3 18	1 17	1 23	6 53	6 3	7 1	0 9	3 41	1 5	10 26	2 4	12 7	0 22	17 32	1 31	14 40	17 25	23 0	23 0	18 10		n.a.
F 4	3 52	25 18	2 24	0 20	1 14	6 28	5 51	7 18	0 9	3 47	1 5	10 23	2 4	12 8	0 22	17 33	1 31	14 41	17 25	23 1	23 0	18 8		n.a.
S 5	4 15	25 6	1 24	0n37	1 6	6 4	5 40	7 35	0 8	3 52	1 5	10 21	2 4	12 9	0 22	17 33	1 31	14 42	17 24	23 1	23 1	18 6		n.a.
S 6	4 38	23 44	0 22	1 36	0 56	5 39	5 27	7 51	0 8	3 58	1 5	10 18	2 4	12 11	0 22	17 34	1 31	14 42	17 24	23 1	23 1	18 3		n.a.
M 7	5 1	21 19	0s41	2 35	0 47	5 14	5 15	8 8	0 7	4 4	1 5	10 16	2 4	12 12	0 22	17 34	1 31	14 43	17 24	23 1	23 1	18 1		n.a.
T 8	5 24	18 0	1 42	3 35	0 37	4 50	5 1	8 25	0 6	4 9	1 5	10 13	2 4	12 13	0 22	17 35	1 31	14 43	17 24	23 1	23 1	17 59		n.a.
W 9	5 46	13 59	2 38	4 35	0 27	4 26	4 48	8 41	0 6	4 15	1 5	10 11	2 5	12 14	0 22	17 35	1 31	14 44	17 24	23 1	23 2	17 56		n.a.
T 10	6 9	9 23	3 28	5 35	0 17	4 2	4 34	8 58	0 5	4 21	1 5	10 9	2 5	12 15	0 22	17 36	1 31	14 44	17 24	23 2	23 2	17 54		n.a.
F 11	6 31	4 22	4 9	6 36	0 6	3 40	4 21	9 14	0 4	4 26	1 4	10 6	2 5	12 17	0 22	17 36	1 31	14 45	17 24	23 2	23 2	17 52		n.a.
S 12	6 54	0s54	4 40	7 36	0n 4	3 18	4 7	9 30	0 4	4 32	1 4	10 4	2 5	12 18	0 22	17 37	1 31	14 45	17 24	23 3	23 3	17 49		n.a.
S 13	7 16	6 13	4 57	8 36	0 15	2 57	3 53	9 46	0 3	4 37	1 4	10 2	2 5	12 19	0 22	17 37	1 31	14 46	17 23	23 5	23 3	17 47		n.a.
M14	7 38	11 24	5 0	9 35	0 26	2 36	3 39	10 2	0 3	4 43	1 4	9 59	2 5	12 20	0 22	17 38	1 31	14 46	17 23	23 6	23 3	17 44		n.a.
T 15	8 0	16 9	4 47	10 33	0 36	2 17	3 25	10 18	0 2	4 49	1 4	9 57	2 6	12 21	0 22	17 38	1 30	14 47	17 23	23 7	23 4	17 42		n.a.
W16	8 22	20 12	4 18	11 30	0 46	1 59	3 11	10 34	0 1	4 54	1 4	9 55	2 6	12 22	0 22	17 39	1 30	14 47	17 23	23 8	23 4	17 40		n.a.
T 17	8 44	23 14	3 34	12 25	0 56	1 42	2 57	10 50	0 1	5 0	1 4	9 52	2 6	12 24	0 22	17 39	1 30	14 48	17 23	23 9	23 4	17 37		n.a.
F 18	9 6	24 57	2 37	13 19	1 6	1 26	2 43	11 5	0 0	5 5	1 4	9 50	2 6	12 25	0 22	17 40	1 30	14 48	17 22	23 9	23 5	17 35		n.a.
S 19	9 27	25 8	1 31	14 12	1 15	1 11	2 30	11 21	0n 1	5 11	1 4	9 48	2 6	12 26	0 21	17 40	1 30	14 48	17 22	23 10	23 5	17 33		n.a.
S 20	9 49	23 44	0 18	15 2	1 24	0 58	2 17	11 36	0 1	5 16	1 4	9 46	2 6	12 27	0 21	17 41	1 30	14 49	17 22	23 10	23 5	17 30		n.a.
M21	10 10	20 51	0n56	15 50	1 32	0 45	2 4	11 52	0 2	5 22	1 4	9 44	2 7	12 28	0 21	17 41	1 30	14 49	17 22	23 10	23 6	17 28		n.a.
T 22	10 31	16 42	2 7	16 37	1 40	0 34	1 51	12 7	0 2	5 27	1 4	9 42	2 7	12 30	0 21	17 42	1 30	14 50	17 21	23 10	23 6	17 25		n.a.
W23	10 52	11 37	3 11	17 20	1 47	0 23	1 38	12 22	0 3	5 33	1 4	9 39	2 7	12 31	0 21	17 42	1 30	14 50	17 21	23 10	23 6	17 23		n.a.
T 24	11 12	5 53	4 3	18 2	1 54	0 14	1 26	12 37	0 4	5 38	1 4	9 37	2 7	12 32	0 21	17 43	1 30	14 50	17 21	23 10	23 7	17 21		n.a.
F 25	11 33	0n 7	4 40	18 41	1 59	0 7	1 14	12 52	0 4	5 44	1 4	9 35	2 7	12 33	0 21	17 43	1 30	14 51	17 20	23 11	23 7	17 18		n.a.
S 26	11 53	6 4	4 59	19 18	2 5	0s 0	1 2	13 7	0 5	5 49	1 4	9 33	2 8	12 35	0 21	17 44	1 30	14 51	17 20	23 12	23 7	17 16		n.a.
S 27	12 14	11 38	5 0	19 52	2 9	0 6	0 51	13 21	0 5	5 54	1 4	9 31	2 8	12 36	0 21	17 44	1 30	14 51	17 20	23 13	23 7	17 13		n.a.
M28	12 34	16 33	4 44	20 24	2 13	0 10	0 40	13 36	0 6	6 0	1 4	9 29	2 8	12 37	0 21	17 45	1 30	14 51	17 20	23 14	23 8	17 11		n.a.
T 29	12 53	20 31	4 12	20 54	2 15	0 14	0 29	13 50	0 7	6 5	1 4	9 27	2 8	12 38	0 21	17 45	1 30	14 52	17 19	23 15	23 8	17 9		n.a.
W30	13n13	23n20	3n28	21n21	2n18	0s16	0n18	14n 5	0n 7	6n10	1s 4	9s25	2s 8	12n39	0s21	17n46	1s30	14n52	17n19	23s15	23s 8	17n 6		n.a.

Julian Day Number = 1632757.5, Delta T = 03h40m56s
Ecliptic obliquity = 23°43'32, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'17, Lahiri = - 7°18'16 Julian Calendar 1 Apr. 243 BCE == Greg. Calendar 28 March 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

MAY 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 18 24	5♉35'19	10♊50	26♉ 8	28♓58	7♉33	18♈17	11♓18	4♉ 1	24♉57	2°R21	11°R 0	12♑21	5♌47	n.a.	T 1
F 2	14 22 20	6°32'41	23°18	27°40	29°19	8°14	18°30	11°24	4° 5	24°59	2♎20	10♑57	12°18	5°54	n.a.	F 2
S 3	14 26 17	7°30'02	5♋30	29°10	29°43	8°55	18°44	11°29	4° 8	25° 1	2°19	10°D55	12°14	6° 1	n.a.	S 3
S 4	14 30 13	8°27'22	17°30	0♊36	0♈ 7	9°36	18°58	11°34	4°12	25° 3	2°17	10°55	12°11	6° 7	n.a.	S 4
M 5	14 34 10	9°24'41	29°22	2° 0	0°34	10°17	19°12	11°40	4°15	25° 5	2°16	10°56	12° 8	6°14	n.a.	M 5
T 6	14 38 6	10°21'59	11♌11	3°20	1° 2	10°58	19°25	11°45	4°19	25° 7	2°15	10°R56	12° 5	6°21	n.a.	T 6
W 7	14 42 3	11°19'15	23° 3	4°37	1°32	11°39	19°39	11°50	4°22	25°10	2°14	10°55	12° 2	6°27	n.a.	W 7
T 8	14 45 59	12°16'31	5♍ 3	5°51	2° 2	12°20	19°53	11°55	4°26	25°12	2°12	10°53	11°59	6°34	n.a.	T 8
F 9	14 49 56	13°13'45	17°15	7° 2	2°35	13° 0	20° 6	12° 0	4°29	25°14	2°11	10°48	11°55	6°41	n.a.	F 9
S 10	14 53 53	14°10'58	29°43	8° 9	3° 8	13°41	20°20	12° 5	4°33	25°16	2°10	10°41	11°52	6°47	n.a.	S 10
S 11	14 57 49	15° 8'11	12♎31	9°13	3°43	14°22	20°33	12° 9	4°36	25°18	2° 9	10°33	11°49	6°54	n.a.	S 11
M12	15 1 46	16° 5'23	25°39	10°14	4°20	15° 3	20°47	12°14	4°40	25°20	2° 8	10°24	11°46	7° 1	n.a.	M12
T 13	15 5 42	17° 2'34	9♏ 6	11°11	4°57	15°43	21° 0	12°19	4°43	25°23	2° 7	10°15	11°43	7° 7	n.a.	T 13
W14	15 9 39	17°59'44	22°50	12° 5	5°35	16°24	21°14	12°23	4°47	25°25	2° 6	10° 7	11°40	7°14	n.a.	W14
T 15	15 13 35	18°56'54	6♐49	12°55	6°15	17° 4	21°27	12°28	4°50	25°27	2° 5	10° 1	11°36	7°21	n.a.	T 15
F 16	15 17 32	19°54'03	20°58	13°41	6°56	17°45	21°40	12°32	4°53	25°29	2° 4	9°58	11°33	7°27	n.a.	F 16
S 17	15 21 28	20°51'12	5♑12	14°23	7°37	18°25	21°53	12°37	4°57	25°32	2° 3	9°D56	11°30	7°34	n.a.	S 17
S 18	15 25 25	21°48'21	19°29	15° 1	8°20	19° 6	22° 7	12°41	5° 0	25°34	2° 2	9°56	11°27	7°41	n.a.	S 18
M19	15 29 22	22°45'30	3♒45	15°36	9° 4	19°46	22°20	12°45	5° 4	25°36	2° 1	9°57	11°24	7°47	n.a.	M19
T 20	15 33 18	23°42'38	17°57	16° 6	9°48	20°27	22°33	12°49	5° 7	25°38	2° 0	9°R58	11°20	7°54	n.a.	T 20
W21	15 37 15	24°39'47	2♓ 5	16°31	10°34	21° 7	22°46	12°53	5°10	25°41	1°59	9°58	11°17	8° 1	n.a.	W21
T 22	15 41 11	25°36'55	16° 7	16°53	11°20	21°47	22°59	12°57	5°14	25°43	1°58	9°56	11°14	8° 7	n.a.	T 22
F 23	15 45 8	26°34'03	0♈ 0	17°10	12° 7	22°28	23°12	13° 1	5°17	25°45	1°58	9°53	11°11	8°14	n.a.	F 23
S 24	15 49 4	27°31'11	13°45	17°22	12°55	23° 8	23°25	13° 4	5°20	25°47	1°57	9°48	11° 8	8°21	n.a.	S 24
S 25	15 53 1	28°28'19	27°17	17°30	13°43	23°48	23°38	13° 8	5°24	25°50	1°56	9°41	11° 5	8°27	n.a.	S 25
M26	15 56 57	29°25'27	10♉37	17°R33	14°33	24°28	23°50	13°12	5°27	25°52	1°55	9°34	11° 1	8°34	n.a.	M26
T 27	16 0 54	0♊22'36	23°42	17°32	15°23	25° 8	24° 3	13°15	5°30	25°54	1°55	9°28	10°58	8°41	n.a.	T 27
W28	16 4 51	1°19'44	6♊32	17°26	16°13	25°48	24°16	13°19	5°33	25°56	1°54	9°23	10°55	8°47	n.a.	W28
T 29	16 8 47	2°16'51	19° 6	17°16	17° 5	26°28	24°28	13°22	5°37	25°58	1°53	9°20	10°52	8°54	n.a.	T 29
F 30	16 12 44	3°13'59	1♋26	17° 2	17°56	27° 8	24°41	13°25	5°40	26° 1	1°53	9°18	10°49	9° 1	n.a.	F 30
S 31	16 16 40	4♊11'07	13♋32	16♊43	18♈49	27♉48	24♈53	13♓28	5♉43	26♉ 3	1♎52	9°D18	10♑46	9♌ 7	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13n32	24n52	2n33	21n46	2n19	0s17	0n 8	14n19	0n 8	6n16	1s 4	9s23	2s 9	12n41	0s21	17n46	1s30	14n52	17n19	23s16	23s 9	17n 4			n.a.
F 2	13 52	25 6	1 33	22 8	2 19	0 18	0s 2	14 33	0 8	6 21	1 4	9 21	2 9	12 42	0 21	17 47	1 30	14 52	17 18	23 16	23 9	17 1			n.a.
S 3	14 11	24 5	0 29	22 28	2 19	0 17	0 11	14 47	0 9	6 26	1 4	9 20	2 9	12 43	0 21	17 48	1 30	14 53	17 18	23 16	23 9	16 59			n.a.
S 4	14 29	21 59	0s35	22 46	2 18	0 16	0 20	15 1	0 10	6 32	1 4	9 18	2 9	12 44	0 21	17 48	1 30	14 53	17 17	23 16	23 10	16 56			n.a.
M 5	14 48	18 57	1 37	23 2	2 16	0 13	0 29	15 14	0 10	6 37	1 4	9 16	2 10	12 45	0 21	17 49	1 30	14 53	17 17	23 16	23 10	16 54			n.a.
T 6	15 6	15 9	2 35	23 16	2 14	0 10	0 38	15 28	0 11	6 42	1 4	9 14	2 10	12 47	0 21	17 49	1 30	14 53	17 17	23 16	23 10	16 52			n.a.
W 7	15 24	10 46	3 26	23 27	2 11	0 5	0 46	15 41	0 11	6 47	1 4	9 12	2 10	12 48	0 21	17 50	1 30	14 53	17 16	23 16	23 10	16 49			n.a.
T 8	15 42	5 55	4 8	23 37	2 6	0 0	0 54	15 55	0 12	6 53	1 4	9 11	2 10	12 49	0 21	17 50	1 30	14 53	17 16	23 16	23 11	16 47			n.a.
F 9	16 0	0 48	4 41	23 44	2 2	0n 6	1 2	16 8	0 13	6 58	1 4	9 9	2 10	12 50	0 21	17 51	1 30	14 53	17 16	23 17	23 11	16 44			n.a.
S 10	16 17	4s28	5 0	23 50	1 56	0 12	1 9	16 21	0 13	7 3	1 4	9 7	2 11	12 51	0 21	17 51	1 30	14 53	17 15	23 17	23 11	16 42			n.a.
S 11	16 34	9 41	5 5	23 54	1 50	0 20	1 16	16 33	0 14	7 8	1 4	9 6	2 11	12 52	0 21	17 52	1 30	14 53	17 15	23 18	23 12	16 39			n.a.
M12	16 51	14 36	4 55	23 56	1 42	0 28	1 23	16 46	0 14	7 13	1 4	9 4	2 11	12 54	0 21	17 52	1 30	14 54	17 14	23 19	23 12	16 37			n.a.
T 13	17 8	18 55	4 28	23 57	1 34	0 37	1 30	16 59	0 15	7 18	1 4	9 2	2 11	12 55	0 21	17 53	1 30	14 54	17 14	23 19	23 12	16 34			n.a.
W14	17 24	22 20	3 46	23 56	1 26	0 47	1 36	17 11	0 15	7 23	1 4	9 1	2 12	12 56	0 21	17 54	1 30	14 54	17 13	23 20	23 12	16 32			n.a.
T 15	17 40	24 28	2 49	23 53	1 16	0 57	1 42	17 23	0 16	7 28	1 4	8 59	2 12	12 57	0 21	17 54	1 30	14 54	17 13	23 21	23 13	16 29			n.a.
F 16	17 55	25 5	1 40	23 49	1 6	1 8	1 48	17 36	0 17	7 33	1 4	8 58	2 12	12 58	0 21	17 55	1 30	14 54	17 12	23 21	23 13	16 27			n.a.
S 17	18 11	24 3	0 26	23 43	0 55	1 20	1 53	17 47	0 17	7 38	1 4	8 56	2 12	12 59	0 21	17 55	1 30	14 53	17 12	23 21	23 13	16 25			n.a.
S 18	18 26	21 27	0n51	23 36	0 44	1 32	1 59	17 59	0 18	7 43	1 4	8 55	2 13	13 1	0 21	17 56	1 30	14 53	17 12	23 21	23 14	16 22			n.a.
M19	18 41	17 31	2 5	23 28	0 32	1 45	2 4	18 11	0 18	7 48	1 4	8 54	2 13	13 2	0 21	17 56	1 30	14 53	17 11	23 21	23 14	16 20			n.a.
T 20	18 55	12 36	3 11	23 18	0 19	1 58	2 8	18 23	0 19	7 53	1 4	8 52	2 13	13 3	0 21	17 57	1 30	14 53	17 11	23 21	23 14	16 17			n.a.
W21	19 10	7 3	4 4	23 7	0 5	2 12	2 13	18 34	0 19	7 58	1 4	8 51	2 13	13 4	0 21	17 57	1 30	14 53	17 10	23 21	23 14	16 15			n.a.
T 22	19 24	1 12	4 43	22 56	0s 9	2 26	2 17	18 45	0 20	8 3	1 4	8 50	2 14	13 5	0 21	17 58	1 30	14 53	17 10	23 21	23 15	16 12			n.a.
F 23	19 37	4n39	5 5	22 43	0 23	2 41	2 21	18 56	0 21	8 7	1 4	8 48	2 14	13 6	0 21	17 58	1 30	14 53	17 9	23 21	23 15	16 10			n.a.
S 24	19 50	10 13	5 8	22 29	0 38	2 56	2 25	19 7	0 21	8 12	1 4	8 47	2 14	13 7	0 21	17 59	1 30	14 53	17 9	23 22	23 15	16 7			n.a.
S 25	20 3	15 12	4 55	22 15	0 53	3 12	2 29	19 18	0 22	8 17	1 4	8 46	2 14	13 9	0 21	18 0	1 30	14 53	17 8	23 22	23 15	16 5			n.a.
M26	20 16	19 23	4 25	21 59	1 9	3 28	2 32	19 28	0 22	8 22	1 5	8 45	2 15	13 10	0 21	18 0	1 30	14 52	17 8	23 22	23 16	16 2			n.a.
T 27	20 28	22 30	3 42	21 43	1 25	3 44	2 36	19 39	0 23	8 26	1 5	8 44	2 15	13 11	0 21	18 1	1 30	14 52	17 7	23 23	23 16	16 0			n.a.
W28	20 40	24 26	2 49	21 27	1 41	4 1	2 39	19 49	0 23	8 31	1 5	8 43	2 15	13 12	0 21	18 1	1 30	14 52	17 6	23 23	23 16	15 57			n.a.
T 29	20 52	25 4	1 48	21 10	1 57	4 18	2 41	19 59	0 24	8 36	1 5	8 42	2 15	13 13	0 21	18 2	1 30	14 52	17 6	23 24	23 16	15 55			n.a.
F 30	21 3	24 26	0 43	20 52	2 13	4 36	2 44	20 9	0 25	8 40	1 5	8 41	2 16	13 14	0 21	18 2	1 30	14 52	17 5	23 24	23 17	15 52			n.a.
S 31	21n14	22n39	0s23	20n35	2s29	4n54	2s46	20n19	0n25	8n45	1s 5	8s40	2s16	13n15	0s21	18n 3	1s30	14n51	17n 5	23s24	23s17	15n50			n.a.

Julian Day Number = 1632787.5, Delta T = 03h40m55s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'13, Lahiri = - 7°18'12 Julian Calendar 1 May 243 BCE == Greg. Calendar 27 Apr. 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

JUNE 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 20 37	5♊ 8'14	25♋29	16°R20	19♈42	28♉28	25♈ 6	13♓31	5♉46	26♉ 5	1°R52	9♑19	10♑42	9♌14	n.a.	S 1
M 2	16 24 33	6° 5'21	7♌20	15♊54	20°36	29° 8	25°18	13°34	5°49	26° 7	1♎51	9°20	10°39	9°21	n.a.	M 2
T 3	16 28 30	7° 2'28	19° 9	15°25	21°30	29°48	25°30	13°37	5°52	26°10	1°51	9°22	10°36	9°27	n.a.	T 3
W 4	16 32 27	7°59'35	1♍ 1	14°53	22°24	0♊28	25°42	13°40	5°56	26°12	1°50	9°23	10°33	9°34	n.a.	W 4
T 5	16 36 23	8°56'41	13° 1	14°18	23°19	1° 7	25°55	13°42	5°59	26°14	1°50	9°R23	10°30	9°41	n.a.	T 5
F 6	16 40 20	9°53'48	25°13	13°42	24°15	1°47	26° 7	13°45	6° 2	26°16	1°50	9°22	10°26	9°47	n.a.	F 6
S 7	16 44 16	10°50'54	7♎43	13° 5	25°11	2°27	26°19	13°47	6° 5	26°18	1°49	9°20	10°23	9°54	n.a.	S 7
S 8	16 48 13	11°48'00	20°34	12°27	26° 8	3° 7	26°30	13°50	6° 8	26°20	1°49	9°16	10°20	10° 1	n.a.	S 8
M 9	16 52 9	12°45'07	3♏47	11°49	27° 5	3°46	26°42	13°52	6°11	26°23	1°49	9°13	10°17	10° 7	n.a.	M 9
T 10	16 56 6	13°42'13	17°25	11°12	28° 2	4°26	26°54	13°54	6°14	26°25	1°48	9° 9	10°14	10°14	n.a.	T 10
W11	17 0 2	14°39'20	1♐24	10°37	29° 0	5° 5	27° 6	13°56	6°17	26°27	1°48	9° 6	10°11	10°20	n.a.	W11
T 12	17 3 59	15°36'27	15°42	10° 3	29°58	5°45	27°17	13°58	6°19	26°29	1°48	9° 3	10° 7	10°27	n.a.	T 12
F 13	17 7 56	16°33'34	0♑15	9°33	0♉57	6°24	27°29	14° 0	6°22	26°31	1°48	9° 2	10° 4	10°34	n.a.	F 13
S 14	17 11 52	17°30'42	14°55	9° 5	1°56	7° 4	27°40	14° 2	6°25	26°33	1°48	9°D 2	10° 1	10°41	n.a.	S 14
S 15	17 15 49	18°27'51	29°36	8°41	2°55	7°43	27°51	14° 4	6°28	26°36	1°48	9° 3	9°58	10°47	n.a.	S 15
M16	17 19 45	19°25'00	14♒13	8°22	3°55	8°23	28° 3	14° 5	6°31	26°38	1°D48	9° 4	9°55	10°54	n.a.	M16
T 17	17 23 42	20°22'10	28°40	8° 7	4°55	9° 2	28°14	14° 7	6°34	26°40	1°48	9° 5	9°52	11° 1	n.a.	T 17
W18	17 27 38	21°19'21	12♓55	7°57	5°55	9°41	28°25	14° 8	6°36	26°42	1°48	9° 6	9°48	11° 7	n.a.	W18
T 19	17 31 35	22°16'33	26°54	7°D52	6°56	10°20	28°36	14° 9	6°39	26°44	1°48	9°R 6	9°45	11°14	n.a.	T 19
F 20	17 35 31	23°13'45	10♈38	7°52	7°57	11° 0	28°47	14°10	6°42	26°46	1°48	9° 5	9°42	11°21	n.a.	F 20
S 21	17 39 28	24°10'59	24° 6	7°58	8°58	11°39	28°57	14°11	6°44	26°48	1°48	9° 4	9°39	11°27	n.a.	S 21
S 22	17 43 25	25° 8'13	7♉18	8°10	10° 0	12°18	29° 8	14°12	6°47	26°50	1°48	9° 2	9°36	11°34	n.a.	S 22
M23	17 47 21	26° 5'28	20°15	8°28	11° 2	12°57	29°19	14°13	6°49	26°52	1°49	9° 1	9°32	11°41	n.a.	M23
T 24	17 51 18	27° 2'45	2♊59	8°51	12° 4	13°36	29°29	14°14	6°52	26°54	1°49	8°59	9°29	11°47	n.a.	T 24
W25	17 55 14	28° 0'02	15°29	9°21	13° 7	14°16	29°39	14°15	6°54	26°56	1°49	8°58	9°26	11°54	n.a.	W25
T 26	17 59 11	28°57'20	27°47	9°56	14° 9	14°55	29°50	14°15	6°57	26°58	1°49	8°57	9°23	12° 1	n.a.	T 26
F 27	18 3 7	29°54'39	9♋55	10°37	15°12	15°34	29°59	14°16	6°59	27° 0	1°50	8°D57	9°20	12° 7	n.a.	F 27
S 28	18 7 4	0♋51'59	21°54	11°24	16°16	16°13	0♉10	14°16	7° 2	27° 2	1°50	8°57	9°17	12°14	n.a.	S 28
S 29	18 11 1	1°49'20	3♌47	12°17	17°19	16°52	0°20	14°16	7° 4	27° 4	1°51	8°58	9°13	12°21	n.a.	S 29
M30	18 14 57	2♋46'41	15♌36	13♊15	18♉23	17♊31	0♉30	14♓16	7♉ 6	27♉ 6	1♎51	8♑58	9♑10	12♌27	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n25	19n52	1s27	20n17	2s45	5n12	2s49	20n28	0n26	8n49	1s 5	8s39	2s16	13n16	0s21	18n 3	1s30	14n51	17n 4	23s24	23s17	15n47		n.a.
M 2	21 35	16 17	2 27	19 59	3 0	5 30	2 51	20 38	0 26	8 54	1 5	8 38	2 17	13 17	0 21	18 4	1 30	14 51	17 4	23 24	23 18	15 45		n.a.
T 3	21 45	12 5	3 21	19 42	3 14	5 49	2 53	20 47	0 27	8 58	1 5	8 37	2 17	13 18	0 21	18 4	1 30	14 50	17 3	23 23	23 18	15 42		n.a.
W 4	21 54	7 25	4 6	19 25	3 28	6 8	2 54	20 56	0 27	9 3	1 5	8 36	2 17	13 19	0 21	18 5	1 30	14 50	17 3	23 23	23 18	15 40		n.a.
T 5	22 3	2 26	4 41	19 8	3 41	6 27	2 56	21 5	0 28	9 7	1 5	8 35	2 17	13 20	0 21	18 5	1 30	14 50	17 2	23 23	23 18	15 37		n.a.
F 6	22 12	2s43	5 4	18 53	3 52	6 46	2 57	21 14	0 28	9 11	1 5	8 35	2 18	13 21	0 21	18 6	1 30	14 49	17 2	23 23	23 19	15 35		n.a.
S 7	22 20	7 53	5 13	18 38	4 3	7 6	2 59	21 22	0 29	9 16	1 5	8 34	2 18	13 22	0 21	18 6	1 30	14 49	17 1	23 24	23 19	15 32		n.a.
S 8	22 28	12 52	5 8	18 24	4 12	7 25	3 0	21 31	0 29	9 20	1 5	8 33	2 18	13 23	0 21	18 7	1 30	14 48	17 0	23 24	23 19	15 30		n.a.
M 9	22 36	17 24	4 45	18 12	4 19	7 45	3 0	21 39	0 30	9 24	1 5	8 33	2 18	13 24	0 21	18 7	1 30	14 48	17 0	23 24	23 19	15 27		n.a.
T 10	22 43	21 10	4 7	18 0	4 25	8 5	3 1	21 47	0 31	9 28	1 5	8 32	2 19	13 25	0 21	18 8	1 30	14 48	16 59	23 24	23 20	15 24		n.a.
W11	22 50	23 49	3 12	17 51	4 30	8 25	3 2	21 55	0 31	9 33	1 5	8 32	2 19	13 26	0 21	18 8	1 30	14 47	16 59	23 25	23 20	15 22		n.a.
T 12	22 56	25 1	2 5	17 43	4 33	8 45	3 2	22 2	0 32	9 37	1 6	8 31	2 19	13 27	0 21	18 9	1 30	14 47	16 58	23 25	23 20	15 19		n.a.
F 13	23 2	24 32	0 48	17 37	4 35	9 6	3 2	22 10	0 32	9 41	1 6	8 31	2 20	13 28	0 21	18 9	1 30	14 46	16 58	23 25	23 20	15 17		n.a.
S 14	23 8	22 21	0n32	17 33	4 34	9 26	3 3	22 17	0 33	9 45	1 6	8 30	2 20	13 29	0 21	18 10	1 30	14 46	16 57	23 25	23 20	15 14		n.a.
S 15	23 13	18 40	1 51	17 31	4 33	9 46	3 3	22 24	0 33	9 49	1 6	8 30	2 20	13 30	0 21	18 10	1 30	14 45	16 56	23 25	23 21	15 12		n.a.
M16	23 18	13 51	3 2	17 31	4 30	10 7	3 2	22 31	0 34	9 53	1 6	8 29	2 21	13 31	0 21	18 11	1 30	14 45	16 56	23 25	23 21	15 9		n.a.
T 17	23 22	8 19	4 1	17 34	4 25	10 27	3 2	22 38	0 34	9 57	1 6	8 29	2 21	13 32	0 21	18 11	1 30	14 44	16 55	23 25	23 21	15 7		n.a.
W18	23 26	2 26	4 44	17 38	4 19	10 48	3 2	22 45	0 35	10 1	1 6	8 29	2 21	13 33	0 21	18 12	1 30	14 44	16 55	23 25	23 21	15 4		n.a.
T 19	23 30	3n28	5 9	17 44	4 12	11 8	3 1	22 51	0 35	10 5	1 6	8 29	2 21	13 34	0 21	18 12	1 30	14 43	16 54	23 25	23 22	15 2		n.a.
F 20	23 33	9 5	5 16	17 52	4 4	11 29	3 1	22 57	0 36	10 8	1 6	8 28	2 22	13 35	0 21	18 13	1 30	14 43	16 53	23 25	23 22	14 59		n.a.
S 21	23 36	14 10	5 5	18 3	3 54	11 49	3 0	23 3	0 36	10 12	1 6	8 28	2 22	13 35	0 21	18 13	1 30	14 42	16 53	23 25	23 22	14 56		n.a.
S 22	23 38	18 29	4 39	18 15	3 44	12 10	2 59	23 9	0 37	10 16	1 6	8 28	2 22	13 36	0 21	18 14	1 30	14 41	16 52	23 25	23 22	14 54		n.a.
M23	23 40	21 50	3 58	18 28	3 33	12 30	2 58	23 15	0 37	10 20	1 6	8 28	2 23	13 37	0 21	18 14	1 30	14 41	16 52	23 25	23 23	14 51		n.a.
T 24	23 41	24 3	3 6	18 44	3 21	12 50	2 57	23 20	0 38	10 23	1 7	8 28	2 23	13 38	0 21	18 14	1 30	14 40	16 51	23 25	23 23	14 49		n.a.
W25	23 43	25 1	2 6	19 0	3 9	13 10	2 56	23 25	0 39	10 27	1 7	8 28	2 23	13 39	0 21	18 15	1 30	14 39	16 51	23 25	23 23	14 46		n.a.
T 26	23 43	24 44	1 1	19 19	2 56	13 30	2 54	23 30	0 39	10 30	1 7	8 28	2 23	13 40	0 21	18 15	1 30	14 39	16 50	23 25	23 23	14 44		n.a.
F 27	23 43	23 16	0s 5	19 38	2 42	13 50	2 53	23 35	0 40	10 34	1 7	8 28	2 24	13 40	0 21	18 16	1 30	14 38	16 49	23 25	23 24	14 41		n.a.
S 28	23 43	20 45	1 11	19 58	2 28	14 10	2 51	23 40	0 40	10 37	1 7	8 28	2 24	13 41	0 21	18 16	1 30	14 37	16 49	23 25	23 24	14 38		n.a.
S 29	23 43	17 22	2 14	20 19	2 14	14 30	2 50	23 44	0 41	10 41	1 7	8 29	2 24	13 42	0 21	18 17	1 30	14 37	16 48	23 25	23 24	14 36		n.a.
M30	23n42	13n20	3s10	20n41	2s 0	14n49	2s48	23n49	0n41	10n44	1s 7	8s29	2s25	13n43	0s21	18n17	1s30	14n36	16n48	23s25	23s24	14n33		n.a.

Julian Day Number = 1632818.5, Delta T = 03h40m54s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'09, Lahiri = - 7°18'08 Julian Calendar 1 June 243 BCE == Greg. Calendar 28 May 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

JULY 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 18 54	3♋44'03	27♌25	14♊19	19♉27	18♊10	0♉39	14°R16	7♉ 9	27♉ 8	1♎52	8♑59	9♑ 7	12♌34	n.a.	T 1
W 2	18 22 50	4°41'26	9♍17	15°28	20°31	18°48	0°49	14♓16	7°11	27° 9	1°52	8°59	9° 4	12°41	n.a.	W 2
T 3	18 26 47	5°38'50	21°16	16°42	21°35	19°27	0°59	14°16	7°13	27°11	1°53	9° 0	9° 1	12°47	n.a.	T 3
F 4	18 30 43	6°36'14	3♎27	18° 2	22°40	20° 6	1° 8	14°16	7°15	27°13	1°53	9°R 0	8°58	12°54	n.a.	F 4
S 5	18 34 40	7°33'40	15°54	19°27	23°45	20°45	1°17	14°15	7°17	27°15	1°54	9° 0	8°54	13° 1	n.a.	S 5
S 6	18 38 36	8°31'06	28°42	20°56	24°50	21°24	1°26	14°15	7°20	27°17	1°54	9°D 0	8°51	13° 7	n.a.	S 6
M 7	18 42 33	9°28'33	11♏53	22°30	25°55	22° 2	1°35	14°14	7°22	27°18	1°55	9° 0	8°48	13°14	n.a.	M 7
T 8	18 46 30	10°26'01	25°30	24° 8	27° 0	22°41	1°44	14°14	7°24	27°20	1°56	9° 0	8°45	13°21	n.a.	T 8
W 9	18 50 26	11°23'30	9♐34	25°50	28° 6	23°20	1°53	14°13	7°26	27°22	1°57	9° 0	8°42	13°27	n.a.	W 9
T 10	18 54 23	12°21'00	24° 1	27°35	29°12	23°58	2° 2	14°12	7°27	27°24	1°57	9° 0	8°38	13°34	n.a.	T 10
F 11	18 58 19	13°18'32	8♑47	29°24	0♊18	24°37	2°10	14°11	7°29	27°25	1°58	9°R 0	8°35	13°41	n.a.	F 11
S 12	19 2 16	14°16'04	23°47	1♋16	1°24	25°16	2°19	14°10	7°31	27°27	1°59	9° 0	8°32	13°47	n.a.	S 12
S 13	19 6 12	15°13'38	8♒51	3°10	2°31	25°54	2°27	14° 9	7°33	27°29	2° 0	9° 0	8°29	13°54	n.a.	S 13
M14	19 10 9	16°11'13	23°50	5° 6	3°37	26°33	2°35	14° 7	7°35	27°30	2° 1	8°59	8°26	14° 1	n.a.	M14
T 15	19 14 5	17° 8'50	8♓37	7° 4	4°44	27°11	2°43	14° 6	7°36	27°32	2° 2	8°58	8°23	14° 7	n.a.	T 15
W16	19 18 2	18° 6'29	23° 6	9° 4	5°51	27°50	2°51	14° 4	7°38	27°33	2° 3	8°57	8°19	14°14	n.a.	W16
T 17	19 21 59	19° 4'09	7♈13	11° 4	6°58	28°28	2°59	14° 3	7°40	27°35	2° 4	8°57	8°16	14°21	n.a.	T 17
F 18	19 25 55	20° 1'51	20°57	13° 5	8° 5	29° 7	3° 6	14° 1	7°41	27°37	2° 5	8°D57	8°13	14°27	n.a.	F 18
S 19	19 29 52	20°59'34	4♉18	15° 7	9°13	29°45	3°14	13°59	7°43	27°38	2° 6	8°57	8°10	14°34	n.a.	S 19
S 20	19 33 48	21°57'20	17°18	17° 8	10°20	0♋23	3°21	13°57	7°44	27°40	2° 7	8°58	8° 7	14°41	n.a.	S 20
M21	19 37 45	22°55'07	0♊ 1	19°10	11°28	1° 2	3°28	13°55	7°46	27°41	2° 8	8°59	8° 4	14°47	n.a.	M21
T 22	19 41 41	23°52'56	12°27	21°11	12°36	1°40	3°35	13°53	7°47	27°42	2° 9	9° 0	8° 0	14°54	n.a.	T 22
W23	19 45 38	24°50'47	24°42	23°11	13°44	2°18	3°42	13°51	7°48	27°44	2°11	9° 1	7°57	15° 1	n.a.	W23
T 24	19 49 34	25°48'40	6♋47	25°11	14°52	2°57	3°48	13°49	7°50	27°45	2°12	9°R 2	7°54	15° 7	n.a.	T 24
F 25	19 53 31	26°46'34	18°44	27° 9	16° 0	3°35	3°55	13°46	7°51	27°47	2°13	9° 1	7°51	15°14	n.a.	F 25
S 26	19 57 28	27°44'30	0♌37	29° 7	17° 9	4°13	4° 1	13°44	7°52	27°48	2°14	9° 0	7°48	15°21	n.a.	S 26
S 27	20 1 24	28°42'28	12°26	1♌ 4	18°17	4°51	4° 8	13°41	7°53	27°49	2°16	8°58	7°44	15°27	n.a.	S 27
M28	20 5 21	29°40'27	24°15	3° 0	19°26	5°29	4°14	13°39	7°54	27°50	2°17	8°55	7°41	15°34	n.a.	M28
T 29	20 9 17	0♌38'28	6♍ 5	4°54	20°35	6° 8	4°20	13°36	7°56	27°52	2°19	8°51	7°38	15°41	n.a.	T 29
W30	20 13 14	1°36'30	17°59	6°47	21°44	6°46	4°25	13°33	7°57	27°53	2°20	8°48	7°35	15°47	n.a.	W30
T 31	20 17 10	2♌34'34	29♍59	8♌39	22♊53	7♋24	4♉31	13♓30	7♉57	27♉54	2♎21	8♑44	7♑32	15♌54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23n40	8n48	3s58	21n 3	1s45	15n 8	2s46	23n53	0n42	10n47	1s 7	8s29	2s25	13n43	0s21	18n17	1s30	14n35	16n47	23s25	23s24	14n31			n.a.
W 2	23 38	3 56	4 36	21 25	1 31	15 27	2 44	23 57	0 42	10 51	1 7	8 29	2 25	13 44	0 21	18 18	1 30	14 34	16 46	23 25	23 25	14 28			n.a.
T 3	23 36	1s 7	5 3	21 47	1 16	15 46	2 42	24 1	0 43	10 54	1 7	8 30	2 25	13 45	0 21	18 18	1 30	14 34	16 46	23 25	23 25	14 26			n.a.
F 4	23 33	6 13	5 16	22 9	1 2	16 5	2 40	24 4	0 43	10 57	1 8	8 30	2 26	13 46	0 21	18 19	1 30	14 33	16 45	23 25	23 25	14 23			n.a.
S 5	23 30	11 10	5 15	22 31	0 48	16 23	2 38	24 7	0 44	11 0	1 8	8 30	2 26	13 46	0 21	18 19	1 30	14 32	16 45	23 25	23 25	14 20			n.a.
S 6	23 27	15 47	4 59	22 51	0 34	16 41	2 36	24 11	0 44	11 3	1 8	8 31	2 26	13 47	0 21	18 19	1 30	14 31	16 44	23 25	23 26	14 18			n.a.
M 7	23 23	19 48	4 27	23 10	0 20	16 59	2 33	24 14	0 45	11 6	1 8	8 31	2 27	13 48	0 21	18 20	1 30	14 31	16 43	23 25	23 26	14 15			n.a.
T 8	23 19	22 54	3 39	23 29	0 7	17 17	2 31	24 16	0 45	11 9	1 8	8 32	2 27	13 48	0 21	18 20	1 30	14 30	16 43	23 25	23 26	14 13			n.a.
W 9	23 14	24 43	2 36	23 45	0n 6	17 34	2 28	24 19	0 46	11 12	1 8	8 33	2 27	13 49	0 21	18 21	1 30	14 29	16 42	23 25	23 26	14 10			n.a.
T 10	23 9	24 58	1 22	24 0	0 18	17 51	2 26	24 21	0 46	11 15	1 8	8 33	2 27	13 50	0 21	18 21	1 30	14 28	16 42	23 25	23 26	14 7			n.a.
F 11	23 3	23 27	0 1	24 12	0 29	18 8	2 23	24 23	0 47	11 18	1 8	8 34	2 28	13 50	0 21	18 21	1 30	14 27	16 41	23 25	23 27	14 5			n.a.
S 12	22 57	20 16	1n21	24 23	0 40	18 24	2 20	24 25	0 47	11 21	1 8	8 34	2 28	13 51	0 21	18 22	1 30	14 26	16 41	23 25	23 27	14 2			n.a.
S 13	22 51	15 43	2 38	24 31	0 50	18 40	2 18	24 27	0 48	11 24	1 9	8 35	2 28	13 51	0 21	18 22	1 30	14 25	16 40	23 25	23 27	14 0			n.a.
M14	22 44	10 13	3 44	24 36	0 59	18 55	2 15	24 29	0 48	11 26	1 9	8 36	2 29	13 52	0 22	18 22	1 30	14 25	16 39	23 25	23 27	13 57			n.a.
T 15	22 37	4 12	4 34	24 39	1 7	19 11	2 12	24 30	0 49	11 29	1 9	8 37	2 29	13 52	0 22	18 23	1 30	14 24	16 39	23 25	23 27	13 54			n.a.
W16	22 29	1n53	5 5	24 39	1 15	19 25	2 9	24 32	0 49	11 32	1 9	8 38	2 29	13 53	0 22	18 23	1 30	14 23	16 38	23 25	23 28	13 52			n.a.
T 17	22 21	7 44	5 17	24 37	1 22	19 40	2 6	24 33	0 50	11 34	1 9	8 38	2 29	13 54	0 22	18 23	1 30	14 22	16 38	23 25	23 28	13 49			n.a.
F 18	22 13	13 3	5 10	24 31	1 28	19 54	2 3	24 33	0 50	11 37	1 9	8 39	2 30	13 54	0 22	18 24	1 30	14 21	16 37	23 25	23 28	13 47			n.a.
S 19	22 4	17 35	4 47	24 23	1 33	20 7	2 0	24 34	0 51	11 39	1 9	8 40	2 30	13 55	0 22	18 24	1 30	14 20	16 37	23 25	23 28	13 44			n.a.
S 20	21 55	21 10	4 9	24 13	1 37	20 20	1 57	24 35	0 51	11 41	1 9	8 41	2 30	13 55	0 22	18 24	1 30	14 19	16 36	23 25	23 28	13 41			n.a.
M21	21 45	23 39	3 20	24 0	1 40	20 33	1 54	24 35	0 52	11 44	1 10	8 42	2 30	13 55	0 22	18 25	1 31	14 18	16 36	23 25	23 29	13 39			n.a.
T 22	21 35	24 54	2 22	23 44	1 43	20 45	1 50	24 35	0 52	11 46	1 10	8 43	2 31	13 56	0 22	18 25	1 31	14 17	16 35	23 25	23 29	13 36			n.a.
W23	21 25	24 55	1 18	23 26	1 45	20 57	1 47	24 35	0 53	11 48	1 10	8 45	2 31	13 56	0 22	18 25	1 31	14 16	16 34	23 25	23 29	13 33			n.a.
T 24	21 14	23 45	0 12	23 6	1 47	21 8	1 44	24 35	0 53	11 50	1 10	8 46	2 31	13 57	0 22	18 25	1 31	14 15	16 34	23 25	23 29	13 31			n.a.
F 25	21 3	21 31	0s53	22 44	1 47	21 19	1 40	24 34	0 54	11 52	1 10	8 47	2 31	13 57	0 22	18 26	1 31	14 14	16 33	23 25	23 29	13 28			n.a.
S 26	20 52	18 22	1 56	22 19	1 47	21 29	1 37	24 33	0 54	11 55	1 10	8 48	2 32	13 58	0 22	18 26	1 31	14 13	16 33	23 25	23 30	13 26			n.a.
S 27	20 40	14 29	2 54	21 53	1 47	21 39	1 34	24 33	0 54	11 57	1 10	8 49	2 32	13 58	0 22	18 26	1 31	14 12	16 32	23 25	23 30	13 23			n.a.
M28	20 28	10 5	3 44	21 26	1 45	21 48	1 30	24 31	0 55	11 58	1 11	8 50	2 32	13 58	0 22	18 26	1 31	14 11	16 32	23 25	23 30	13 20			n.a.
T 29	20 15	5 18	4 25	20 57	1 44	21 57	1 27	24 30	0 55	12 0	1 11	8 52	2 32	13 59	0 22	18 27	1 31	14 10	16 31	23 26	23 30	13 18			n.a.
W30	20 2	0 18	4 54	20 26	1 41	22 5	1 23	24 29	0 56	12 2	1 11	8 53	2 33	13 59	0 22	18 27	1 31	14 9	16 31	23 26	23 30	13 15			n.a.
T 31	19n49	4s44	5s11	19n54	1n39	22n12	1s20	24n27	0n56	12n 4	1s11	8s54	2s33	13n59	0s22	18n27	1s31	14n 8	16n30	23s26	23s30	13n12			n.a.

Julian Day Number = 1632848.5, Delta T = 03h40m53s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'04, Lahiri = - 7°18'04 Julian Calendar 1 July 243 BCE == Greg. Calendar 27 June 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

AUGUST 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 21 7	3♌32'39	12♎11	10♌30	24♊ 2	8♋ 2	4♉36	13°R27	7♉58	27♉55	2♎23	8°R42	7♑29	16♌ 1	n.a.	F 1
S 2	20 25 3	4°30'46	24°36	12°20	25°12	8°40	4°41	13♓24	7°59	27°56	2°24	8♑40	7°25	16° 7	n.a.	S 2
S 3	20 29 0	5°28'55	7♏19	14° 8	26°21	9°18	4°47	13°21	8° 0	27°57	2°26	8°D40	7°22	16°14	n.a.	S 3
M 4	20 32 57	6°27'05	20°23	15°55	27°31	9°56	4°51	13°18	8° 1	27°58	2°27	8°41	7°19	16°21	n.a.	M 4
T 5	20 36 53	7°25'17	3♐53	17°41	28°41	10°34	4°56	13°15	8° 2	28° 0	2°29	8°42	7°16	16°27	n.a.	T 5
W 6	20 40 50	8°23'30	17°49	19°26	29°51	11°12	5° 1	13°11	8° 2	28° 1	2°31	8°43	7°13	16°34	n.a.	W 6
T 7	20 44 46	9°21'45	2♑11	21°10	1♋ 0	11°50	5° 5	13° 8	8° 3	28° 1	2°32	8°R44	7° 9	16°41	n.a.	T 7
F 8	20 48 43	10°20'02	16°58	22°52	2°11	12°28	5° 9	13° 4	8° 3	28° 2	2°34	8°44	7° 6	16°47	n.a.	F 8
S 9	20 52 39	11°18'21	2♒ 3	24°33	3°21	13° 5	5°13	13° 1	8° 4	28° 3	2°36	8°43	7° 3	16°54	n.a.	S 9
S 10	20 56 36	12°16'41	17°18	26°13	4°31	13°43	5°17	12°57	8° 4	28° 4	2°37	8°40	7° 0	17° 1	n.a.	S 10
M11	21 0 32	13°15'03	2♓33	27°52	5°42	14°21	5°21	12°53	8° 5	28° 5	2°39	8°35	6°57	17° 8	n.a.	M11
T 12	21 4 29	14°13'27	17°37	29°30	6°52	14°59	5°24	12°49	8° 5	28° 6	2°41	8°30	6°54	17°14	n.a.	T 12
W13	21 8 26	15°11'54	2♈22	1♍ 6	8° 3	15°37	5°28	12°45	8° 5	28° 7	2°43	8°25	6°50	17°21	n.a.	W13
T 14	21 12 22	16°10'22	16°41	2°42	9°14	16°14	5°31	12°41	8° 6	28° 7	2°44	8°21	6°47	17°28	n.a.	T 14
F 15	21 16 19	17° 8'53	0♉33	4°16	10°25	16°52	5°34	12°37	8° 6	28° 8	2°46	8°18	6°44	17°34	n.a.	F 15
S 16	21 20 15	18° 7'26	13°56	5°50	11°36	17°30	5°36	12°33	8° 6	28° 9	2°48	8°D17	6°41	17°41	n.a.	S 16
S 17	21 24 12	19° 6'02	26°54	7°22	12°47	18° 7	5°39	12°29	8° 6	28°10	2°50	8°17	6°38	17°48	n.a.	S 17
M18	21 28 8	20° 4'40	9♊29	8°53	13°58	18°45	5°41	12°25	8°R 6	28°10	2°52	8°18	6°35	17°54	n.a.	M18
T 19	21 32 5	21° 3'20	21°47	10°23	15° 9	19°23	5°43	12°21	8° 6	28°11	2°54	8°19	6°31	18° 1	n.a.	T 19
W20	21 36 1	22° 2'03	3♋52	11°52	16°21	20° 0	5°45	12°17	8° 6	28°11	2°56	8°R20	6°28	18° 8	n.a.	W20
T 21	21 39 58	23° 0'48	15°48	13°20	17°32	20°38	5°47	12°12	8° 6	28°12	2°58	8°20	6°25	18°14	n.a.	T 21
F 22	21 43 55	23°59'35	27°39	14°47	18°44	21°15	5°49	12° 8	8° 6	28°12	3° 0	8°18	6°22	18°21	n.a.	F 22
S 23	21 47 51	24°58'24	9♌28	16°13	19°56	21°53	5°50	12° 4	8° 6	28°13	3° 2	8°14	6°19	18°28	n.a.	S 23
S 24	21 51 48	25°57'16	21°17	17°38	21° 7	22°30	5°51	11°59	8° 5	28°13	3° 4	8° 7	6°15	18°34	n.a.	S 24
M25	21 55 44	26°56'09	3♍ 8	19° 1	22°19	23° 8	5°52	11°55	8° 5	28°14	3° 6	7°59	6°12	18°41	n.a.	M25
T 26	21 59 41	27°55'05	15° 3	20°24	23°31	23°45	5°53	11°50	8° 5	28°14	3° 8	7°50	6° 9	18°48	n.a.	T 26
W27	22 3 37	28°54'02	27° 3	21°45	24°43	24°23	5°53	11°45	8° 4	28°14	3°10	7°40	6° 6	18°54	n.a.	W27
T 28	22 7 34	29°53'02	9♎11	23° 5	25°56	25° 0	5°54	11°41	8° 4	28°15	3°12	7°30	6° 3	19° 1	n.a.	T 28
F 29	22 11 30	0♍52'03	21°27	24°24	27° 8	25°37	5°R54	11°36	8° 3	28°15	3°14	7°22	6° 0	19° 8	n.a.	F 29
S 30	22 15 27	1°51'07	3♏56	25°41	28°20	26°15	5°54	11°32	8° 3	28°15	3°16	7°17	5°56	19°14	n.a.	S 30
S 31	22 19 23	2♍50'12	16♏38	26♍57	29♋33	26♋52	5♉54	11♓27	8♉ 2	28♉15	3♎19	7♑13	5♑53	19♌21	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n36	9s40	5s14	19n21	1n35	22n19	1s16	24n25	0n57	12n 6	1s11	8s56	2s33	13n59	0s22	18n27	1s31	14n 7	16n30	23s26	23s31	13n10		n.a.
S 2	19 22	14 19	5 2	18 46	1 32	22 25	1 13	24 23	0 57	12 7	1 11	8 57	2 33	14 0	0 22	18 28	1 31	14 6	16 29	23 26	23 31	13 7		n.a.
S 3	19 7	18 27	4 36	18 11	1 28	22 31	1 9	24 21	0 58	12 9	1 11	8 59	2 34	14 0	0 22	18 28	1 31	14 5	16 29	23 26	23 31	13 4		n.a.
M 4	18 53	21 49	3 55	17 35	1 23	22 36	1 6	24 19	0 58	12 10	1 12	9 0	2 34	14 0	0 22	18 28	1 31	14 4	16 28	23 26	23 31	13 2		n.a.
T 5	18 38	24 7	3 0	16 58	1 19	22 41	1 2	24 16	0 59	12 12	1 12	9 2	2 34	14 0	0 22	18 28	1 31	14 3	16 28	23 26	23 31	12 59		n.a.
W 6	18 23	25 1	1 52	16 20	1 14	22 45	0 59	24 14	0 59	12 13	1 12	9 3	2 34	14 1	0 22	18 28	1 31	14 2	16 27	23 26	23 32	12 57		n.a.
T 7	18 7	24 18	0 36	15 42	1 8	22 48	0 55	24 11	1 0	12 14	1 12	9 5	2 34	14 1	0 22	18 29	1 31	14 1	16 27	23 26	23 32	12 54		n.a.
F 8	17 52	21 53	0n45	15 3	1 3	22 51	0 52	24 8	1 0	12 16	1 12	9 6	2 35	14 1	0 22	18 29	1 31	14 0	16 27	23 26	23 32	12 51		n.a.
S 9	17 36	17 55	2 4	14 23	0 57	22 53	0 48	24 5	1 1	12 17	1 12	9 8	2 35	14 1	0 22	18 29	1 31	13 59	16 26	23 26	23 32	12 49		n.a.
S 10	17 19	12 44	3 15	13 43	0 51	22 54	0 45	24 1	1 1	12 18	1 12	9 9	2 35	14 1	0 22	18 29	1 31	13 58	16 26	23 26	23 32	12 46		n.a.
M11	17 2	6 46	4 12	13 3	0 44	22 55	0 41	23 58	1 2	12 19	1 13	9 11	2 35	14 1	0 22	18 29	1 31	13 56	16 25	23 27	23 32	12 43		n.a.
T 12	16 45	0 29	4 51	12 23	0 38	22 55	0 38	23 54	1 2	12 20	1 13	9 13	2 35	14 2	0 22	18 29	1 31	13 55	16 25	23 27	23 33	12 41		n.a.
W13	16 28	5n40	5 9	11 42	0 31	22 55	0 34	23 50	1 2	12 21	1 13	9 14	2 36	14 2	0 22	18 29	1 31	13 54	16 24	23 27	23 33	12 38		n.a.
T 14	16 11	11 22	5 8	11 1	0 24	22 54	0 31	23 46	1 3	12 22	1 13	9 16	2 36	14 2	0 22	18 30	1 31	13 53	16 24	23 28	23 33	12 35		n.a.
F 15	15 53	16 17	4 48	10 20	0 17	22 52	0 27	23 42	1 3	12 23	1 13	9 18	2 36	14 2	0 22	18 30	1 31	13 52	16 23	23 28	23 33	12 33		n.a.
S 16	15 35	20 14	4 13	9 38	0 10	22 49	0 24	23 37	1 4	12 24	1 13	9 20	2 36	14 2	0 22	18 30	1 32	13 51	16 23	23 28	23 33	12 30		n.a.
S 17	15 16	23 2	3 26	8 57	0 3	22 46	0 20	23 33	1 4	12 24	1 14	9 21	2 36	14 2	0 22	18 30	1 32	13 50	16 23	23 28	23 33	12 27		n.a.
M18	14 58	24 37	2 30	8 16	0s 5	22 42	0 17	23 28	1 5	12 25	1 14	9 23	2 36	14 2	0 22	18 30	1 32	13 49	16 22	23 28	23 34	12 25		n.a.
T 19	14 39	24 57	1 29	7 34	0 12	22 38	0 13	23 23	1 5	12 26	1 14	9 25	2 37	14 2	0 22	18 30	1 32	13 48	16 22	23 28	23 34	12 22		n.a.
W20	14 20	24 4	0 24	6 53	0 20	22 33	0 10	23 18	1 6	12 26	1 14	9 27	2 37	14 2	0 22	18 30	1 32	13 46	16 22	23 28	23 34	12 19		n.a.
T 21	14 0	22 6	0s40	6 12	0 27	22 27	0 7	23 13	1 6	12 27	1 14	9 28	2 37	14 2	0 22	18 30	1 32	13 45	16 21	23 28	23 34	12 17		n.a.
F 22	13 41	19 12	1 43	5 31	0 35	22 21	0 3	23 7	1 7	12 27	1 14	9 30	2 37	14 2	0 22	18 30	1 32	13 44	16 21	23 28	23 34	12 14		n.a.
S 23	13 21	15 32	2 40	4 50	0 43	22 14	0n 0	23 2	1 7	12 27	1 14	9 32	2 37	14 2	0 22	18 30	1 32	13 43	16 20	23 28	23 34	12 11		n.a.
S 24	13 1	11 15	3 31	4 10	0 51	22 6	0 3	22 56	1 8	12 28	1 15	9 34	2 37	14 2	0 22	18 31	1 32	13 42	16 20	23 28	23 35	12 9		n.a.
M25	12 41	6 34	4 12	3 30	0 59	21 58	0 7	22 50	1 8	12 28	1 15	9 36	2 37	14 1	0 22	18 31	1 32	13 41	16 20	23 29	23 35	12 6		n.a.
T 26	12 20	1 37	4 42	2 50	1 6	21 49	0 10	22 44	1 8	12 28	1 15	9 38	2 38	14 1	0 22	18 31	1 32	13 40	16 19	23 29	23 35	12 3		n.a.
W27	12 0	3s24	5 1	2 11	1 14	21 39	0 13	22 38	1 9	12 28	1 15	9 40	2 38	14 1	0 22	18 31	1 32	13 39	16 19	23 30	23 35	12 0		n.a.
T 28	11 39	8 21	5 6	1 32	1 22	21 29	0 16	22 31	1 9	12 28	1 15	9 41	2 38	14 1	0 22	18 31	1 32	13 37	16 19	23 31	23 35	11 58		n.a.
F 29	11 18	13 2	4 57	0 53	1 30	21 18	0 19	22 25	1 10	12 28	1 15	9 43	2 38	14 1	0 22	18 31	1 32	13 36	16 18	23 31	23 35	11 55		n.a.
S 30	10 56	17 16	4 34	0 15	1 37	21 6	0 22	22 18	1 10	12 28	1 15	9 45	2 38	14 1	0 22	18 31	1 32	13 35	16 18	23 31	23 35	11 52		n.a.
S 31	10n35	20s47	3s57	0s22	1s45	20n54	0n25	22n11	1n11	12n27	1s16	9s47	2s38	14n 0	0s22	18n31	1s32	13n34	16n18	23s32	23s36	11n50		n.a.

Julian Day Number = 1632879.5, Delta T = 03h40m52s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°25'00, Lahiri = - 7°18'00 Julian Calendar 1 Aug. 243 BCE == Greg. Calendar 28 July 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

SEPTEMBER 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 23 20	3♍49'20	29♏38	28♍11	0♌45	27♋29	5°R53	11°R22	8°R 1	28♉16	3♎21	7°D12	5♑50	19♌28	n.a.	M 1
T 2	22 27 17	4°48'29	12♐59	29°24	1°58	28° 6	5♉53	11♓18	8♉ 1	28°16	3°23	7♑12	5°47	19°34	n.a.	T 2
W 3	22 31 13	5°47'40	26°43	0♎35	3°10	28°44	5°52	11°13	8° 0	28°16	3°25	7°12	5°44	19°41	n.a.	W 3
T 4	22 35 10	6°46'53	10♑52	1°44	4°23	29°21	5°51	11° 8	7°59	28°16	3°27	7°R13	5°41	19°48	n.a.	T 4
F 5	22 39 6	7°46'08	25°26	2°51	5°36	29°58	5°49	11° 3	7°58	28°R16	3°30	7°11	5°37	19°55	n.a.	F 5
S 6	22 43 3	8°45'25	10♒21	3°56	6°49	0♌35	5°48	10°59	7°57	28°16	3°32	7° 8	5°34	20° 1	n.a.	S 6
S 7	22 46 59	9°44'43	25°30	4°59	8° 2	1°12	5°46	10°54	7°56	28°16	3°34	7° 2	5°31	20° 8	n.a.	S 7
M 8	22 50 56	10°44'04	10♓44	6° 0	9°15	1°49	5°45	10°49	7°55	28°16	3°36	6°53	5°28	20°15	n.a.	M 8
T 9	22 54 52	11°43'27	25°53	6°58	10°28	2°26	5°42	10°44	7°54	28°16	3°39	6°43	5°25	20°21	n.a.	T 9
W10	22 58 49	12°42'52	10♈46	7°52	11°41	3° 3	5°40	10°39	7°53	28°15	3°41	6°33	5°21	20°28	n.a.	W10
T 11	23 2 46	13°42'19	25°15	8°44	12°55	3°40	5°38	10°35	7°52	28°15	3°43	6°25	5°18	20°35	n.a.	T 11
F 12	23 6 42	14°41'49	9♉15	9°32	14° 8	4°17	5°35	10°30	7°51	28°15	3°46	6°18	5°15	20°41	n.a.	F 12
S 13	23 10 39	15°41'21	22°45	10°17	15°21	4°54	5°32	10°25	7°49	28°15	3°48	6°13	5°12	20°48	n.a.	S 13
S 14	23 14 35	16°40'56	5♊46	10°57	16°35	5°31	5°29	10°20	7°48	28°15	3°50	6°11	5° 9	20°55	n.a.	S 14
M15	23 18 32	17°40'33	18°23	11°32	17°48	6° 8	5°26	10°16	7°47	28°14	3°53	6°D10	5° 6	21° 1	n.a.	M15
T 16	23 22 28	18°40'12	0♋40	12° 3	19° 2	6°45	5°23	10°11	7°46	28°14	3°55	6°R10	5° 2	21° 8	n.a.	T 16
W17	23 26 25	19°39'54	12°42	12°28	20°16	7°22	5°19	10° 6	7°44	28°14	3°57	6°10	4°59	21°15	n.a.	W17
T 18	23 30 21	20°39'38	24°35	12°47	21°30	7°59	5°15	10° 2	7°43	28°13	4° 0	6° 9	4°56	21°21	n.a.	T 18
F 19	23 34 18	21°39'25	6♌23	12°59	22°43	8°36	5°11	9°57	7°41	28°13	4° 2	6° 5	4°53	21°28	n.a.	F 19
S 20	23 38 14	22°39'13	18°11	13°R 4	23°57	9°12	5° 7	9°53	7°40	28°12	4° 5	5°58	4°50	21°35	n.a.	S 20
S 21	23 42 11	23°39'04	0♍ 2	13° 1	25°11	9°49	5° 3	9°48	7°38	28°12	4° 7	5°49	4°47	21°42	n.a.	S 21
M22	23 46 8	24°38'57	11°58	12°51	26°25	10°26	4°58	9°43	7°36	28°11	4° 9	5°37	4°43	21°48	n.a.	M22
T 23	23 50 4	25°38'52	24° 1	12°31	27°39	11° 3	4°54	9°39	7°35	28°11	4°12	5°23	4°40	21°55	n.a.	T 23
W24	23 54 1	26°38'49	6♎13	12° 3	28°53	11°39	4°49	9°34	7°33	28°10	4°14	5° 9	4°37	22° 2	n.a.	W24
T 25	23 57 57	27°38'48	18°33	11°26	0♍ 8	12°16	4°44	9°30	7°31	28° 9	4°17	4°55	4°34	22° 8	n.a.	T 25
F 26	0 1 54	28°38'50	1♏ 2	10°39	1°22	12°52	4°38	9°26	7°29	28° 9	4°19	4°43	4°31	22°15	n.a.	F 26
S 27	0 5 50	29°38'53	13°42	9°44	2°36	13°29	4°33	9°21	7°28	28° 8	4°21	4°33	4°27	22°22	n.a.	S 27
S 28	0 9 47	0♎38'57	26°33	8°42	3°50	14° 5	4°27	9°17	7°26	28° 7	4°24	4°27	4°24	22°28	n.a.	S 28
M29	0 13 43	1°39'04	9♐37	7°33	5° 5	14°42	4°22	9°13	7°24	28° 7	4°26	4°24	4°21	22°35	n.a.	M29
T 30	0 17 40	2♎39'12	22♐57	6♎18	6♍19	15♌18	4♉16	9♓ 9	7♉22	28♉ 6	4♎29	4♑23	4♑18	22♌42	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n13	23s21	3s 7	0s59	1s53	20n41	0n28	22n 4	1n11	12n27	1s16	9s49	2s38	14n 0	0s22	18n31	1s32	13n33	16n18	23s32	23s36	11n47		n.a.
T 2	9 52	24 43	2 6	1 35	2 0	20 28	0 31	21 57	1 12	12 27	1 16	9 51	2 38	14 0	0 22	18 31	1 32	13 32	16 17	23 32	23 36	11 44		n.a.
W 3	9 30	24 37	0 56	2 10	2 7	20 14	0 34	21 50	1 12	12 26	1 16	9 53	2 38	14 0	0 22	18 31	1 32	13 31	16 17	23 32	23 36	11 42		n.a.
T 4	9 8	22 57	0n20	2 45	2 14	19 59	0 37	21 43	1 12	12 26	1 16	9 55	2 38	13 59	0 22	18 31	1 32	13 30	16 17	23 32	23 36	11 39		n.a.
F 5	8 45	19 44	1 36	3 18	2 21	19 44	0 39	21 35	1 13	12 25	1 16	9 57	2 38	13 59	0 22	18 31	1 32	13 28	16 16	23 32	23 36	11 36		n.a.
S 6	8 23	15 11	2 47	3 51	2 28	19 28	0 42	21 27	1 13	12 25	1 16	9 58	2 38	13 59	0 22	18 31	1 32	13 27	16 16	23 32	23 36	11 34		n.a.
S 7	8 0	9 36	3 48	4 22	2 34	19 12	0 45	21 20	1 14	12 24	1 17	10 0	2 38	13 58	0 22	18 30	1 33	13 26	16 16	23 32	23 37	11 31		n.a.
M 8	7 38	3 26	4 33	4 52	2 41	18 55	0 47	21 12	1 14	12 23	1 17	10 2	2 39	13 58	0 22	18 30	1 33	13 25	16 16	23 33	23 37	11 28		n.a.
T 9	7 15	2n53	4 58	5 20	2 47	18 37	0 50	21 4	1 15	12 23	1 17	10 4	2 39	13 58	0 22	18 30	1 33	13 24	16 15	23 33	23 37	11 25		n.a.
W10	6 52	8 56	5 2	5 47	2 52	18 19	0 52	20 55	1 15	12 22	1 17	10 6	2 39	13 57	0 22	18 30	1 33	13 23	16 15	23 34	23 37	11 23		n.a.
T 11	6 29	14 19	4 47	6 13	2 57	18 1	0 55	20 47	1 16	12 21	1 17	10 8	2 39	13 57	0 22	18 30	1 33	13 22	16 15	23 34	23 37	11 20		n.a.
F 12	6 6	18 46	4 15	6 36	3 2	17 42	0 57	20 39	1 16	12 20	1 17	10 10	2 39	13 57	0 22	18 30	1 33	13 21	16 15	23 34	23 37	11 17		n.a.
S 13	5 42	22 3	3 29	6 58	3 6	17 22	0 59	20 30	1 16	12 19	1 17	10 11	2 39	13 56	0 22	18 30	1 33	13 20	16 15	23 35	23 37	11 15		n.a.
S 14	5 19	24 3	2 34	7 17	3 10	17 2	1 2	20 21	1 17	12 18	1 17	10 13	2 39	13 56	0 22	18 30	1 33	13 18	16 14	23 35	23 37	11 12		n.a.
M15	4 56	24 45	1 33	7 34	3 13	16 41	1 4	20 13	1 17	12 16	1 17	10 15	2 39	13 55	0 22	18 30	1 33	13 17	16 14	23 35	23 38	11 9		n.a.
T 16	4 32	24 13	0 29	7 48	3 15	16 20	1 6	20 4	1 18	12 15	1 18	10 17	2 39	13 55	0 22	18 30	1 33	13 16	16 14	23 35	23 38	11 7		n.a.
W17	4 8	22 32	0s35	8 0	3 17	15 59	1 8	19 55	1 18	12 14	1 18	10 19	2 39	13 54	0 22	18 30	1 33	13 15	16 14	23 35	23 38	11 4		n.a.
T 18	3 45	19 53	1 36	8 8	3 17	15 37	1 10	19 45	1 19	12 13	1 18	10 20	2 39	13 54	0 22	18 29	1 33	13 14	16 14	23 35	23 38	11 1		n.a.
F 19	3 21	16 26	2 33	8 12	3 17	15 14	1 12	19 36	1 19	12 11	1 18	10 22	2 39	13 53	0 22	18 29	1 33	13 13	16 14	23 35	23 38	10 58		n.a.
S 20	2 57	12 21	3 23	8 13	3 15	14 51	1 14	19 27	1 20	12 10	1 18	10 24	2 39	13 53	0 22	18 29	1 33	13 12	16 14	23 35	23 38	10 56		n.a.
S 21	2 33	7 47	4 4	8 9	3 12	14 28	1 15	19 17	1 20	12 8	1 18	10 26	2 39	13 52	0 22	18 29	1 33	13 11	16 13	23 36	23 38	10 53		n.a.
M22	2 9	2 55	4 35	8 1	3 8	14 4	1 17	19 7	1 20	12 6	1 18	10 27	2 38	13 52	0 22	18 29	1 33	13 10	16 13	23 36	23 38	10 50		n.a.
T 23	1 45	2s 5	4 54	7 48	3 2	13 40	1 19	18 58	1 21	12 5	1 18	10 29	2 38	13 51	0 22	18 29	1 33	13 9	16 13	23 37	23 38	10 48		n.a.
W24	1 21	7 4	5 0	7 30	2 55	13 15	1 20	18 48	1 21	12 3	1 18	10 31	2 38	13 51	0 22	18 28	1 33	13 8	16 13	23 37	23 39	10 45		n.a.
T 25	0 57	11 50	4 52	7 6	2 45	12 50	1 22	18 38	1 22	12 1	1 18	10 32	2 38	13 50	0 22	18 28	1 33	13 7	16 13	23 38	23 39	10 42		n.a.
F 26	0 33	16 10	4 29	6 37	2 34	12 25	1 23	18 28	1 22	11 59	1 18	10 34	2 38	13 50	0 22	18 28	1 33	13 6	16 13	23 38	23 39	10 39		n.a.
S 27	0 8	19 51	3 54	6 4	2 21	11 59	1 24	18 17	1 23	11 58	1 19	10 36	2 38	13 49	0 22	18 28	1 33	13 5	16 13	23 39	23 39	10 37		n.a.
S 28	0s16	22 37	3 5	5 25	2 6	11 33	1 26	18 7	1 23	11 56	1 19	10 37	2 38	13 48	0 22	18 28	1 33	13 4	16 13	23 39	23 39	10 34		n.a.
M29	0 40	24 15	2 7	4 42	1 50	11 6	1 27	17 57	1 23	11 54	1 19	10 39	2 38	13 48	0 22	18 27	1 33	13 3	16 13	23 39	23 39	10 31		n.a.
T 30	1s 4	24s32	1s 0	3s56	1s31	10n40	1n28	17n46	1n24	11n52	1s19	10s40	2s38	13n47	0s22	18n27	1s33	13n 2	16n13	23s39	23s39	10n28		n.a.

Julian Day Number = 1632910.5, Delta T = 03h40m51s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'56, Lahiri = - 7°17'56 Julian Calendar 1 Sept. 243 BCE == Greg. Calendar 28 Aug. 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

OCTOBER 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 21 37	3♎39'22	6♑34	5°R 1	7♍34	15♌55	4°R10	9°R 5	7°R20	28°R 5	4♎31	4°R23	4♑15	22♌48	n.a.	W 1
T 2	0 25 33	4°39'34	20°31	3♎44	8°48	16°31	4♉ 4	9♓ 0	7♉18	28♉ 4	4°34	4♑22	4°12	22°55	n.a.	T 2
F 3	0 29 30	5°39'47	4♒47	2°28	10° 3	17° 7	3°57	8°56	7°16	28° 3	4°36	4°20	4° 8	23° 2	n.a.	F 3
S 4	0 33 26	6°40'02	19°22	1°16	11°17	17°44	3°51	8°53	7°14	28° 2	4°39	4°16	4° 5	23° 8	n.a.	S 4
S 5	0 37 23	7°40'18	4♓11	0°10	12°32	18°20	3°44	8°49	7°12	28° 1	4°41	4° 8	4° 2	23°15	n.a.	S 5
M 6	0 41 19	8°40'36	19° 7	29♍13	13°47	18°56	3°38	8°45	7°10	28° 0	4°43	3°59	3°59	23°22	n.a.	M 6
T 7	0 45 16	9°40'56	4♈ 3	28°26	15° 1	19°32	3°31	8°41	7° 8	27°59	4°46	3°47	3°56	23°29	n.a.	T 7
W 8	0 49 12	10°41'17	18°47	27°50	16°16	20° 9	3°24	8°37	7° 5	27°58	4°48	3°35	3°52	23°35	n.a.	W 8
T 9	0 53 9	11°41'40	3♉14	27°25	17°31	20°45	3°17	8°34	7° 3	27°57	4°51	3°24	3°49	23°42	n.a.	T 9
F 10	0 57 5	12°42'05	17°15	27°12	18°46	21°21	3°10	8°30	7° 1	27°56	4°53	3°15	3°46	23°49	n.a.	F 10
S 11	1 1 2	13°42'33	0♊48	27°D11	20° 0	21°57	3° 2	8°27	6°59	27°55	4°56	3° 9	3°43	23°55	n.a.	S 11
S 12	1 4 59	14°43'02	13°54	27°20	21°15	22°33	2°55	8°24	6°57	27°54	4°58	3° 6	3°40	24° 2	n.a.	S 12
M13	1 8 55	15°43'33	26°35	27°40	22°30	23° 9	2°48	8°20	6°54	27°53	5° 0	3° 4	3°37	24° 9	n.a.	M13
T 14	1 12 52	16°44'06	8♋55	28° 9	23°45	23°45	2°40	8°17	6°52	27°52	5° 3	3°D 4	3°33	24°15	n.a.	T 14
W15	1 16 48	17°44'41	20°59	28°47	25° 0	24°21	2°32	8°14	6°50	27°51	5° 5	3°R 4	3°30	24°22	n.a.	W15
T 16	1 20 45	18°45'18	2♌53	29°33	26°15	24°57	2°25	8°11	6°47	27°49	5° 8	3° 3	3°27	24°29	n.a.	T 16
F 17	1 24 41	19°45'56	14°43	0♎26	27°30	25°32	2°17	8° 8	6°45	27°48	5°10	3° 0	3°24	24°35	n.a.	F 17
S 18	1 28 38	20°46'37	26°32	1°25	28°45	26° 8	2° 9	8° 5	6°42	27°47	5°12	2°55	3°21	24°42	n.a.	S 18
S 19	1 32 34	21°47'19	8♍26	2°29	0♎ 1	26°44	2° 1	8° 2	6°40	27°45	5°15	2°47	3°18	24°49	n.a.	S 19
M20	1 36 31	22°48'03	20°27	3°37	1°16	27°20	1°53	8° 0	6°38	27°44	5°17	2°36	3°14	24°56	n.a.	M20
T 21	1 40 28	23°48'48	2♎39	4°49	2°31	27°55	1°45	7°57	6°35	27°43	5°19	2°24	3°11	25° 2	n.a.	T 21
W22	1 44 24	24°49'35	15° 3	6° 5	3°46	28°31	1°37	7°55	6°33	27°41	5°22	2°10	3° 8	25° 9	n.a.	W22
T 23	1 48 21	25°50'24	27°39	7°24	5° 1	29° 7	1°29	7°52	6°30	27°40	5°24	1°58	3° 5	25°16	n.a.	T 23
F 24	1 52 17	26°51'14	10♏27	8°45	6°17	29°42	1°21	7°50	6°28	27°39	5°26	1°47	3° 2	25°22	n.a.	F 24
S 25	1 56 14	27°52'05	23°26	10° 8	7°32	0♍18	1°12	7°48	6°25	27°37	5°29	1°39	2°58	25°29	n.a.	S 25
S 26	2 0 10	28°52'58	6♐36	11°33	8°47	0°53	1° 4	7°46	6°23	27°36	5°31	1°33	2°55	25°36	n.a.	S 26
M27	2 4 7	29°53'51	19°57	12°59	10° 2	1°28	0°56	7°44	6°20	27°34	5°33	1°30	2°52	25°42	n.a.	M27
T 28	2 8 3	0♏54'46	3♑29	14°27	11°18	2° 4	0°48	7°42	6°18	27°33	5°35	1°D30	2°49	25°49	n.a.	T 28
W29	2 12 0	1°55'42	17°11	15°55	12°33	2°39	0°40	7°40	6°15	27°31	5°38	1°30	2°46	25°56	n.a.	W29
T 30	2 15 57	2°56'39	1♒ 5	17°24	13°48	3°14	0°31	7°38	6°13	27°30	5°40	1°R31	2°43	26° 2	n.a.	T 30
F 31	2 19 53	3♏57'36	15♒10	18♎54	15♎ 4	3♍49	0♉23	7♓37	6♉10	27♉28	5♎42	1♑30	2♑39	26♌ 9	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	1 s28	23 s22	0n12	3 s 7	1 s12	10n12	1n29	17n36	1n24	11n50	1 s19	10 s42	2 s38	13n46	0 s22	18n27	1 s33	13n 1	16n13	23 s39	23 s39	10n26			n.a.
T 2	1 52	20 45	1 24	2 17	0 52	9 45	1 30	17 25	1 25	11 47	1 19	10 43	2 38	13 46	0 22	18 27	1 34	13 0	16 13	23 39	23 39	10 23			n.a.
F 3	2 17	16 49	2 33	1 28	0 31	9 17	1 31	17 14	1 25	11 45	1 19	10 45	2 38	13 45	0 22	18 27	1 34	12 59	16 13	23 39	23 40	10 20			n.a.
S 4	2 41	11 49	3 34	0 40	0 11	8 50	1 32	17 4	1 26	11 43	1 19	10 46	2 38	13 44	0 22	18 26	1 34	12 58	16 13	23 39	23 40	10 18			n.a.
S 5	3 5	6 3	4 21	0n 5	0n10	8 21	1 32	16 53	1 26	11 41	1 19	10 47	2 37	13 44	0 22	18 26	1 34	12 57	16 13	23 40	23 40	10 15			n.a.
M 6	3 29	0n 5	4 50	0 45	0 29	7 53	1 33	16 42	1 27	11 38	1 19	10 49	2 37	13 43	0 22	18 26	1 34	12 56	16 13	23 40	23 40	10 12			n.a.
T 7	3 53	6 12	5 0	1 21	0 47	7 24	1 34	16 31	1 27	11 36	1 19	10 50	2 37	13 42	0 22	18 26	1 34	12 55	16 13	23 40	23 40	10 9			n.a.
W 8	4 17	11 54	4 50	1 51	1 4	6 55	1 34	16 19	1 27	11 34	1 19	10 51	2 37	13 42	0 22	18 25	1 34	12 54	16 13	23 41	23 40	10 7			n.a.
T 9	4 41	16 49	4 21	2 14	1 19	6 26	1 35	16 8	1 28	11 31	1 19	10 52	2 37	13 41	0 22	18 25	1 34	12 53	16 13	23 41	23 40	10 4			n.a.
F 10	5 5	20 39	3 37	2 32	1 32	5 57	1 35	15 57	1 28	11 29	1 19	10 54	2 37	13 40	0 22	18 25	1 34	12 52	16 13	23 41	23 40	10 1			n.a.
S 11	5 28	23 12	2 42	2 43	1 43	5 27	1 35	15 45	1 29	11 26	1 19	10 55	2 37	13 39	0 22	18 25	1 34	12 51	16 13	23 41	23 40	9 58			n.a.
S 12	5 52	24 23	1 40	2 48	1 53	4 58	1 35	15 34	1 29	11 24	1 19	10 56	2 36	13 39	0 22	18 24	1 34	12 50	16 13	23 41	23 40	9 56			n.a.
M13	6 16	24 15	0 34	2 47	2 1	4 28	1 35	15 22	1 30	11 21	1 19	10 57	2 36	13 38	0 22	18 24	1 34	12 49	16 13	23 41	23 40	9 53			n.a.
T 14	6 39	22 54	0 s31	2 41	2 7	3 58	1 36	15 11	1 30	11 19	1 19	10 58	2 36	13 37	0 22	18 24	1 34	12 48	16 13	23 41	23 41	9 50			n.a.
W15	7 3	20 31	1 34	2 30	2 12	3 28	1 35	14 59	1 30	11 16	1 19	10 59	2 36	13 36	0 22	18 23	1 34	12 48	16 13	23 41	23 41	9 47			n.a.
T 16	7 26	17 18	2 31	2 15	2 15	2 58	1 35	14 47	1 31	11 13	1 19	11 0	2 36	13 36	0 22	18 23	1 34	12 47	16 13	23 41	23 41	9 45			n.a.
F 17	7 49	13 24	3 22	1 56	2 18	2 27	1 35	14 35	1 31	11 11	1 19	11 1	2 36	13 35	0 22	18 23	1 34	12 46	16 13	23 41	23 41	9 42			n.a.
S 18	8 12	9 0	4 4	1 33	2 19	1 57	1 35	14 23	1 32	11 8	1 19	11 2	2 36	13 34	0 22	18 22	1 34	12 45	16 13	23 42	23 41	9 39			n.a.
S 19	8 35	4 15	4 35	1 7	2 19	1 26	1 35	14 11	1 32	11 5	1 19	11 3	2 35	13 33	0 22	18 22	1 34	12 44	16 14	23 42	23 41	9 36			n.a.
M20	8 58	0 s41	4 55	0 39	2 18	0 56	1 34	13 59	1 33	11 3	1 19	11 4	2 35	13 32	0 22	18 22	1 34	12 43	16 14	23 42	23 41	9 34			n.a.
T 21	9 21	5 40	5 2	0 8	2 16	0 25	1 34	13 47	1 33	11 0	1 18	11 5	2 35	13 32	0 22	18 21	1 34	12 43	16 14	23 42	23 41	9 31			n.a.
W22	9 44	10 30	4 54	0 s24	2 13	0 s 5	1 33	13 35	1 33	10 57	1 18	11 5	2 35	13 31	0 22	18 21	1 34	12 42	16 14	23 42	23 41	9 28			n.a.
T 23	10 6	14 59	4 32	0 59	2 10	0 36	1 33	13 23	1 34	10 54	1 18	11 6	2 35	13 30	0 22	18 21	1 34	12 41	16 14	23 43	23 41	9 25			n.a.
F 24	10 28	18 52	3 57	1 34	2 7	1 7	1 32	13 11	1 34	10 52	1 18	11 7	2 34	13 29	0 22	18 20	1 34	12 40	16 14	23 43	23 41	9 23			n.a.
S 25	10 50	21 53	3 8	2 11	2 2	1 38	1 31	12 59	1 35	10 49	1 18	11 8	2 34	13 28	0 22	18 20	1 34	12 40	16 14	23 43	23 41	9 20			n.a.
S 26	11 12	23 47	2 9	2 49	1 58	2 8	1 31	12 46	1 35	10 46	1 18	11 8	2 34	13 28	0 22	18 20	1 34	12 39	16 15	23 43	23 42	9 17			n.a.
M27	11 34	24 21	1 1	3 28	1 53	2 39	1 30	12 34	1 36	10 43	1 18	11 9	2 34	13 27	0 22	18 19	1 34	12 38	16 15	23 43	23 42	9 14			n.a.
T 28	11 56	23 30	0n11	4 7	1 47	3 10	1 29	12 21	1 36	10 40	1 18	11 9	2 34	13 26	0 22	18 19	1 34	12 37	16 15	23 43	23 42	9 12			n.a.
W29	12 17	21 14	1 23	4 46	1 42	3 40	1 28	12 9	1 36	10 38	1 18	11 10	2 33	13 25	0 22	18 19	1 34	12 37	16 15	23 43	23 42	9 9			n.a.
T 30	12 38	17 42	2 31	5 26	1 36	4 11	1 27	11 56	1 37	10 35	1 18	11 10	2 33	13 24	0 22	18 18	1 34	12 36	16 15	23 43	23 42	9 6			n.a.
F 31	12 s59	13 s 6	3n32	6 s 7	1n30	4 s41	1n26	11n44	1n37	10n32	1 s17	11 s11	2 s33	13n23	0 s22	18n18	1 s34	12n35	16n16	23 s43	23 s42	9n 3			n.a.

Julian Day Number = 1632940.5, Delta T = 03h40m50s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'52, Lahiri = - 7°17'51 Julian Calendar 1 Oct. 243 BCE == Greg. Calendar 27 Sept. 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

NOVEMBER 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 23 50	4♏58'34	29♒27	20♎25	16♎19	4♍24	0°R15	7°R35	6°R 8	27°R27	5♎44	1°R28	2♑36	26♌16	n.a.	S 1
S 2	2 27 46	5°59'33	13♓52	21°56	17°34	5° 0	0♉ 7	7♓34	6♉ 5	27♉25	5°47	1♑23	2°33	26°23	n.a.	S 2
M 3	2 31 43	7° 0'33	28°21	23°28	18°50	5°35	29♈59	7°32	6° 3	27°24	5°49	1°16	2°30	26°29	n.a.	M 3
T 4	2 35 39	8° 1'34	12♈49	24°59	20° 5	6° 9	29°51	7°31	6° 0	27°22	5°51	1° 7	2°27	26°36	n.a.	T 4
W 5	2 39 36	9° 2'35	27°11	26°32	21°21	6°44	29°43	7°30	5°58	27°21	5°53	0°58	2°23	26°43	n.a.	W 5
T 6	2 43 32	10° 3'38	11♉18	28° 4	22°36	7°19	29°35	7°29	5°55	27°19	5°55	0°50	2°20	26°49	n.a.	T 6
F 7	2 47 29	11° 4'41	25° 7	29°36	23°51	7°54	29°27	7°28	5°53	27°17	5°57	0°43	2°17	26°56	n.a.	F 7
S 8	2 51 26	12° 5'46	8♊34	1♏ 9	25° 7	8°29	29°19	7°28	5°50	27°16	5°59	0°38	2°14	27° 3	n.a.	S 8
S 9	2 55 22	13° 6'51	21°38	2°42	26°22	9° 3	29°12	7°27	5°47	27°14	6° 1	0°36	2°11	27° 9	n.a.	S 9
M10	2 59 19	14° 7'58	4♋20	4°15	27°38	9°38	29° 4	7°27	5°45	27°12	6° 3	0°D36	2° 8	27°16	n.a.	M10
T 11	3 3 15	15° 9'05	16°42	5°48	28°53	10°13	28°56	7°26	5°42	27°11	6° 5	0°37	2° 4	27°23	n.a.	T 11
W12	3 7 12	16°10'14	28°50	7°21	0♏ 9	10°47	28°49	7°26	5°40	27° 9	6° 7	0°38	2° 1	27°30	n.a.	W12
T 13	3 11 8	17°11'23	10♌46	8°54	1°24	11°22	28°41	7°26	5°38	27° 7	6° 9	0°39	1°58	27°36	n.a.	T 13
F 14	3 15 5	18°12'33	22°37	10°27	2°40	11°56	28°34	7°D26	5°35	27° 6	6°11	0°R40	1°55	27°43	n.a.	F 14
S 15	3 19 2	19°13'44	4♍28	12° 1	3°55	12°30	28°27	7°26	5°33	27° 4	6°13	0°38	1°52	27°50	n.a.	S 15
S 16	3 22 58	20°14'56	16°24	13°34	5°11	13° 4	28°20	7°26	5°30	27° 2	6°15	0°35	1°49	27°56	n.a.	S 16
M17	3 26 55	21°16'09	28°28	15° 8	6°26	13°39	28°13	7°26	5°28	27° 1	6°17	0°30	1°45	28° 3	n.a.	M17
T 18	3 30 51	22°17'23	10♎45	16°42	7°42	14°13	28° 6	7°26	5°25	26°59	6°19	0°23	1°42	28°10	n.a.	T 18
W19	3 34 48	23°18'37	23°18	18°16	8°57	14°47	27°59	7°27	5°23	26°57	6°21	0°16	1°39	28°16	n.a.	W19
T 20	3 38 44	24°19'52	6♏ 7	19°50	10°13	15°21	27°53	7°28	5°21	26°56	6°23	0°10	1°36	28°23	n.a.	T 20
F 21	3 42 41	25°21'07	19°13	21°24	11°28	15°55	27°46	7°28	5°18	26°54	6°24	0° 4	1°33	28°30	n.a.	F 21
S 22	3 46 37	26°22'23	2♐35	22°59	12°44	16°28	27°40	7°29	5°16	26°52	6°26	29♐59	1°29	28°37	n.a.	S 22
S 23	3 50 34	27°23'39	16°10	24°33	13°59	17° 2	27°34	7°30	5°14	26°51	6°28	29°57	1°26	28°43	n.a.	S 23
M24	3 54 31	28°24'55	29°57	26° 8	15°15	17°36	27°28	7°31	5°11	26°49	6°30	29°D56	1°23	28°50	n.a.	M24
T 25	3 58 27	29°26'12	13♑53	27°43	16°30	18° 9	27°22	7°32	5° 9	26°47	6°31	29°57	1°20	28°57	n.a.	T 25
W26	4 2 24	0♐27'28	27°55	29°18	17°46	18°43	27°16	7°34	5° 7	26°45	6°33	29°58	1°17	29° 3	n.a.	W26
T 27	4 6 20	1°28'44	12♒ 2	0♐54	19° 1	19°16	27°10	7°35	5° 5	26°44	6°35	29°59	1°14	29°10	n.a.	T 27
F 28	4 10 17	2°30'00	26°11	2°30	20°17	19°50	27° 5	7°36	5° 3	26°42	6°36	0°R 1	1°10	29°17	n.a.	F 28
S 29	4 14 13	3°31'16	10♓20	4° 6	21°32	20°23	27° 0	7°38	5° 0	26°40	6°38	0♑ 1	1° 7	29°23	n.a.	S 29
S 30	4 18 10	4♐32'32	24♓29	5♐42	22♏48	20♍56	26♈55	7♓40	4♉58	26♉39	6♎39	29♐59	1♑ 4	29♌30	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13 s20	7 s45	4n20	6 s47	1n23	5 s12	1n25	11n31	1n38	10n29	1 s17	11 s11	2 s33	13n23	0 s22	18n18	1 s34	12n35	16n16	23 s43	23 s42	9n 1		n.a.
S 2	13 41	1 56	4 52	7 27	1 17	5 42	1 23	11 19	1 38	10 27	1 17	11 11	2 33	13 22	0 22	18 17	1 34	12 34	16 16	23 43	23 42	8 58		n.a.
M 3	14 1	4n 0	5 5	8 8	1 10	6 12	1 22	11 6	1 39	10 24	1 17	11 12	2 32	13 21	0 22	18 17	1 34	12 34	16 16	23 43	23 42	8 55		n.a.
T 4	14 21	9 42	4 59	8 48	1 4	6 42	1 21	10 53	1 39	10 21	1 17	11 12	2 32	13 20	0 22	18 17	1 34	12 33	16 17	23 43	23 42	8 52		n.a.
W 5	14 41	14 51	4 35	9 28	0 57	7 12	1 19	10 41	1 39	10 19	1 17	11 12	2 32	13 19	0 22	18 16	1 34	12 32	16 17	23 43	23 42	8 50		n.a.
T 6	15 0	19 5	3 53	10 8	0 50	7 42	1 18	10 28	1 40	10 16	1 16	11 12	2 32	13 18	0 22	18 16	1 34	12 32	16 17	23 43	23 42	8 47		n.a.
F 7	15 20	22 10	2 59	10 47	0 43	8 11	1 16	10 15	1 40	10 13	1 16	11 12	2 32	13 17	0 22	18 15	1 34	12 31	16 18	23 43	23 42	8 44		n.a.
S 8	15 39	23 54	1 56	11 27	0 37	8 40	1 15	10 2	1 41	10 11	1 16	11 12	2 31	13 17	0 22	18 15	1 34	12 31	16 18	23 43	23 42	8 41		n.a.
S 9	15 58	24 16	0 48	12 5	0 30	9 10	1 13	9 50	1 41	10 8	1 16	11 12	2 31	13 16	0 22	18 15	1 34	12 30	16 18	23 43	23 42	8 39		n.a.
M10	16 16	23 19	0 s20	12 44	0 23	9 39	1 11	9 37	1 42	10 6	1 16	11 12	2 31	13 15	0 22	18 14	1 34	12 30	16 18	23 43	23 42	8 36		n.a.
T 11	16 34	21 15	1 26	13 22	0 16	10 7	1 10	9 24	1 42	10 3	1 16	11 12	2 31	13 14	0 22	18 14	1 34	12 29	16 19	23 43	23 42	8 33		n.a.
W12	16 52	18 15	2 27	13 59	0 9	10 36	1 8	9 11	1 42	10 1	1 15	11 12	2 30	13 13	0 22	18 14	1 34	12 29	16 19	23 43	23 43	8 30		n.a.
T 13	17 10	14 32	3 20	14 36	0 2	11 4	1 6	8 58	1 43	9 58	1 15	11 12	2 30	13 13	0 22	18 13	1 34	12 28	16 19	23 43	23 43	8 28		n.a.
F 14	17 27	10 17	4 5	15 12	0 s 4	11 32	1 4	8 45	1 43	9 56	1 15	11 12	2 30	13 12	0 22	18 13	1 34	12 28	16 20	23 43	23 43	8 25		n.a.
S 15	17 44	5 40	4 39	15 48	0 11	12 0	1 2	8 32	1 44	9 53	1 15	11 12	2 30	13 11	0 22	18 12	1 34	12 27	16 20	23 43	23 43	8 22		n.a.
S 16	18 1	0 49	5 1	16 23	0 18	12 27	1 1	8 20	1 44	9 51	1 15	11 11	2 29	13 10	0 22	18 12	1 34	12 27	16 20	23 43	23 43	8 19		n.a.
M17	18 18	4 s 7	5 10	16 57	0 24	12 54	0 59	8 7	1 45	9 49	1 14	11 11	2 29	13 9	0 22	18 12	1 34	12 26	16 21	23 43	23 43	8 17		n.a.
T 18	18 34	8 58	5 5	17 31	0 31	13 21	0 57	7 54	1 45	9 46	1 14	11 11	2 29	13 9	0 22	18 11	1 34	12 26	16 21	23 43	23 43	8 14		n.a.
W19	18 49	13 34	4 46	18 4	0 37	13 48	0 55	7 41	1 45	9 44	1 14	11 10	2 29	13 8	0 22	18 11	1 34	12 26	16 22	23 43	23 43	8 11		n.a.
T 20	19 5	17 40	4 12	18 36	0 43	14 14	0 52	7 28	1 46	9 42	1 14	11 10	2 28	13 7	0 22	18 10	1 34	12 25	16 22	23 43	23 43	8 8		n.a.
F 21	19 20	21 0	3 24	19 7	0 49	14 39	0 50	7 15	1 46	9 40	1 13	11 9	2 28	13 6	0 22	18 10	1 34	12 25	16 22	23 43	23 43	8 5		n.a.
S 22	19 34	23 16	2 24	19 37	0 55	15 5	0 48	7 2	1 47	9 38	1 13	11 9	2 28	13 5	0 22	18 10	1 34	12 24	16 23	23 43	23 43	8 3		n.a.
S 23	19 49	24 14	1 15	20 7	1 1	15 30	0 46	6 49	1 47	9 36	1 13	11 8	2 28	13 5	0 22	18 9	1 34	12 24	16 23	23 43	23 43	8 0		n.a.
M24	20 3	23 43	0n 0	20 35	1 6	15 54	0 44	6 36	1 48	9 34	1 13	11 8	2 28	13 4	0 22	18 9	1 34	12 24	16 24	23 43	23 43	7 57		n.a.
T 25	20 16	21 44	1 16	21 3	1 12	16 18	0 42	6 23	1 48	9 32	1 12	11 7	2 27	13 3	0 22	18 8	1 34	12 24	16 24	23 43	23 43	7 54		n.a.
W26	20 29	18 25	2 27	21 30	1 17	16 42	0 39	6 11	1 48	9 30	1 12	11 6	2 27	13 2	0 22	18 8	1 34	12 23	16 24	23 43	23 43	7 52		n.a.
T 27	20 42	14 1	3 30	21 55	1 22	17 5	0 37	5 58	1 49	9 28	1 12	11 6	2 27	13 2	0 22	18 8	1 34	12 23	16 25	23 43	23 43	7 49		n.a.
F 28	20 55	8 51	4 21	22 20	1 27	17 28	0 35	5 45	1 49	9 27	1 12	11 5	2 27	13 1	0 22	18 7	1 34	12 23	16 25	23 43	23 43	7 46		n.a.
S 29	21 6	3 13	4 56	22 43	1 31	17 50	0 32	5 32	1 50	9 25	1 11	11 4	2 26	13 0	0 22	18 7	1 34	12 23	16 26	23 43	23 43	7 43		n.a.
S 30	21 s18	2n33	5n13	23 s 5	1 s36	18 s12	0n30	5n19	1n50	9n23	1 s11	11 s 3	2 s26	13n 0	0 s22	18n 7	1 s34	12n22	16n26	23 s43	23 s43	7n41		n.a.

Julian Day Number = 1632971.5, Delta T = 03h40m49s
Ecliptic obliquity = 23°43'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'48, Lahiri = - 7°17'47 Julian Calendar 1 Nov. 243 BCE == Greg. Calendar 28 Oct. 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 243 BCE
geocentric

DECEMBER 243 BCE (-242) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 22 6	5♐33'47	8♈34	7♐19	24♏ 3	21♍29	26°R50	7♓42	4°R56	26°R37	6♎41	29°R57	1♉ 1	29♌37	n.a.	M 1
T 2	4 26 3	6°35'01	22°34	8°56	25°19	22° 2	26♈45	7°43	4♉54	26♉35	6°42	29♐54	0°58	29°44	n.a.	T 2
W 3	4 30 0	7°36'16	6♉25	10°34	26°34	22°35	26°41	7°45	4°52	26°34	6°44	29°50	0°55	29°50	n.a.	W 3
T 4	4 33 56	8°37'30	20° 4	12°11	27°50	23° 7	26°36	7°48	4°50	26°32	6°45	29°47	0°51	29°57	n.a.	T 4
F 5	4 37 53	9°38'44	3♊29	13°49	29° 5	23°40	26°32	7°50	4°48	26°30	6°47	29°44	0°48	0♍ 4	n.a.	F 5
S 6	4 41 49	10°39'58	16°38	15°28	0♐21	24°13	26°28	7°52	4°46	26°29	6°48	29°43	0°45	0°10	n.a.	S 6
S 7	4 45 46	11°41'12	29°30	17° 7	1°36	24°45	26°24	7°55	4°44	26°27	6°49	29°D42	0°42	0°17	n.a.	S 7
M 8	4 49 42	12°42'25	12♋ 6	18°46	2°51	25°18	26°21	7°57	4°43	26°25	6°51	29°43	0°39	0°24	n.a.	M 8
T 9	4 53 39	13°43'39	24°26	20°25	4° 7	25°50	26°17	8° 0	4°41	26°24	6°52	29°44	0°35	0°31	n.a.	T 9
W10	4 57 36	14°44'52	6♌33	22° 5	5°22	26°22	26°14	8° 3	4°39	26°22	6°53	29°45	0°32	0°37	n.a.	W10
T 11	5 1 32	15°46'05	18°31	23°45	6°38	26°54	26°11	8° 6	4°37	26°21	6°54	29°47	0°29	0°44	n.a.	T 11
F 12	5 5 29	16°47'17	0♍23	25°25	7°53	27°26	26° 8	8° 8	4°35	26°19	6°56	29°48	0°26	0°51	n.a.	F 12
S 13	5 9 25	17°48'30	12°15	27° 5	9° 9	27°58	26° 6	8°12	4°34	26°17	6°57	29°48	0°23	0°57	n.a.	S 13
S 14	5 13 22	18°49'42	24°10	28°46	10°24	28°30	26° 3	8°15	4°32	26°16	6°58	29°R48	0°20	1° 4	n.a.	S 14
M15	5 17 18	19°50'53	6♎14	0♑26	11°39	29° 1	26° 1	8°18	4°31	26°14	6°59	29°48	0°16	1°11	n.a.	M15
T 16	5 21 15	20°52'05	18°31	2° 7	12°55	29°33	25°59	8°21	4°29	26°13	7° 0	29°47	0°13	1°17	n.a.	T 16
W17	5 25 11	21°53'16	1♏ 5	3°47	14°10	0♎ 4	25°57	8°25	4°28	26°11	7° 1	29°46	0°10	1°24	n.a.	W17
T 18	5 29 8	22°54'27	14° 0	5°27	15°26	0°35	25°56	8°28	4°26	26°10	7° 2	29°45	0° 7	1°31	n.a.	T 18
F 19	5 33 5	23°55'37	27°16	7° 7	16°41	1° 7	25°54	8°32	4°25	26° 8	7° 3	29°44	0° 4	1°38	n.a.	F 19
S 20	5 37 1	24°56'47	10♐53	8°46	17°56	1°38	25°53	8°36	4°23	26° 7	7° 4	29°44	0° 1	1°44	n.a.	S 20
S 21	5 40 58	25°57'56	24°51	10°24	19°12	2° 8	25°52	8°40	4°22	26° 5	7° 5	29°D43	29♐57	1°51	n.a.	S 21
M22	5 44 54	26°59'04	9♑ 4	12° 1	20°27	2°39	25°52	8°44	4°21	26° 4	7° 5	29°43	29°54	1°58	n.a.	M22
T 23	5 48 51	28° 0'11	23°30	13°37	21°42	3°10	25°51	8°48	4°20	26° 3	7° 6	29°44	29°51	2° 4	n.a.	T 23
W24	5 52 47	29° 1'17	8♒ 1	15°10	22°58	3°40	25°51	8°52	4°18	26° 1	7° 7	29°44	29°48	2°11	n.a.	W24
T 25	5 56 44	0♑ 2'22	22°33	16°42	24°13	4°10	25°D50	8°56	4°17	26° 0	7° 8	29°R44	29°45	2°18	n.a.	T 25
F 26	6 0 40	1° 3'26	7♓ 0	18°10	25°28	4°41	25°51	9° 0	4°16	25°59	7° 8	29°44	29°41	2°25	n.a.	F 26
S 27	6 4 37	2° 4'28	21°18	19°36	26°44	5°11	25°51	9° 5	4°15	25°57	7° 9	29°44	29°38	2°31	n.a.	S 27
S 28	6 8 34	3° 5'29	5♈25	20°57	27°59	5°40	25°51	9° 9	4°14	25°56	7°10	29°D44	29°35	2°38	n.a.	S 28
M29	6 12 30	4° 6'29	19°19	22°14	29°14	6°10	25°52	9°14	4°13	25°55	7°10	29°44	29°32	2°45	n.a.	M29
T 30	6 16 27	5° 7'27	2♉59	23°26	0♑30	6°40	25°53	9°18	4°12	25°53	7°11	29°44	29°29	2°51	n.a.	T 30
W31	6 20 23	6♑ 8'24	16♉25	24♑32	1♑45	7♎ 9	25♈54	9♓23	4♉11	25♉52	7♎11	29♐45	29♐26	2♍58	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21 s29	8n11	5n10	23 s26	1 s40	18 s34	0n28	5n 6	1n51	9n22	1 s11	11 s 2	2 s26	12n59	0 s22	18n 6	1 s34	12n22	16n27	23 s43	23 s43	7n38		n.a.
T 2	21 40	13 21	4 50	23 46	1 44	18 54	0 25	4 54	1 51	9 20	1 10	11 1	2 26	12 58	0 22	18 6	1 34	12 22	16 27	23 43	23 43	7 35		n.a.
W 3	21 50	17 47	4 13	24 4	1 48	19 15	0 23	4 41	1 51	9 19	1 10	11 0	2 25	12 58	0 22	18 5	1 34	12 22	16 27	23 43	23 43	7 32		n.a.
T 4	22 0	21 12	3 21	24 21	1 51	19 35	0 21	4 28	1 52	9 18	1 10	10 59	2 25	12 57	0 22	18 5	1 34	12 22	16 28	23 43	23 43	7 29		n.a.
F 5	22 10	23 23	2 20	24 37	1 54	19 54	0 18	4 15	1 52	9 17	1 10	10 58	2 25	12 56	0 22	18 5	1 34	12 22	16 28	23 43	23 43	7 27		n.a.
S 6	22 19	24 14	1 12	24 51	1 57	20 12	0 16	4 3	1 53	9 15	1 9	10 57	2 25	12 56	0 22	18 4	1 34	12 22	16 29	23 43	23 43	7 24		n.a.
S 7	22 27	23 45	0 1	25 4	1 59	20 30	0 13	3 50	1 53	9 14	1 9	10 56	2 25	12 55	0 22	18 4	1 34	12 21	16 29	23 43	23 43	7 21		n.a.
M 8	22 35	22 2	1 s 8	25 15	2 1	20 48	0 11	3 37	1 53	9 13	1 9	10 55	2 24	12 54	0 22	18 4	1 34	12 21	16 30	23 43	23 43	7 18		n.a.
T 9	22 43	19 19	2 13	25 25	2 3	21 5	0 9	3 25	1 54	9 12	1 8	10 53	2 24	12 54	0 22	18 3	1 34	12 21	16 30	23 43	23 43	7 16		n.a.
W10	22 50	15 48	3 10	25 33	2 4	21 21	0 6	3 12	1 54	9 11	1 8	10 52	2 24	12 53	0 22	18 3	1 34	12 21	16 31	23 43	23 43	7 13		n.a.
T 11	22 57	11 41	3 58	25 39	2 5	21 37	0 4	3 0	1 55	9 11	1 8	10 51	2 24	12 53	0 21	18 3	1 34	12 21	16 31	23 43	23 43	7 10		n.a.
F 12	23 4	7 10	4 36	25 44	2 5	21 52	0 1	2 47	1 55	9 10	1 8	10 50	2 23	12 52	0 21	18 2	1 34	12 21	16 32	23 43	23 43	7 7		n.a.
S 13	23 9	2 24	5 2	25 47	2 5	22 6	0 s 1	2 35	1 56	9 9	1 7	10 48	2 23	12 52	0 21	18 2	1 34	12 21	16 32	23 43	23 43	7 4		n.a.
S 14	23 15	2 s28	5 15	25 48	2 5	22 20	0 3	2 23	1 56	9 9	1 7	10 47	2 23	12 51	0 21	18 2	1 34	12 21	16 33	23 43	23 43	7 2		n.a.
M15	23 20	7 19	5 15	25 47	2 3	22 33	0 6	2 10	1 56	9 8	1 7	10 45	2 23	12 50	0 21	18 1	1 34	12 21	16 33	23 43	23 43	6 59		n.a.
T 16	23 24	11 57	5 0	25 44	2 2	22 45	0 8	1 58	1 57	9 8	1 6	10 44	2 22	12 50	0 21	18 1	1 34	12 21	16 34	23 43	23 43	6 56		n.a.
W17	23 28	16 13	4 31	25 40	2 0	22 57	0 11	1 46	1 57	9 7	1 6	10 42	2 22	12 49	0 21	18 1	1 34	12 21	16 34	23 43	23 43	6 53		n.a.
T 18	23 32	19 50	3 47	25 33	1 57	23 8	0 13	1 33	1 58	9 7	1 6	10 41	2 22	12 49	0 21	18 0	1 34	12 22	16 35	23 43	23 43	6 51		n.a.
F 19	23 35	22 33	2 51	25 25	1 53	23 18	0 15	1 21	1 58	9 7	1 5	10 39	2 22	12 49	0 21	18 0	1 34	12 22	16 35	23 43	23 43	6 48		n.a.
S 20	23 38	24 2	1 43	25 14	1 49	23 28	0 18	1 9	1 58	9 6	1 5	10 38	2 22	12 48	0 21	18 0	1 34	12 22	16 36	23 43	23 43	6 45		n.a.
S 21	23 40	24 4	0 27	25 2	1 44	23 37	0 20	0 57	1 59	9 6	1 5	10 36	2 21	12 48	0 21	17 59	1 34	12 22	16 36	23 43	23 43	6 42		n.a.
M22	23 41	22 33	0n52	24 48	1 38	23 45	0 22	0 45	1 59	9 6	1 4	10 34	2 21	12 47	0 21	17 59	1 34	12 22	16 37	23 43	23 43	6 39		n.a.
T 23	23 43	19 33	2 8	24 32	1 32	23 52	0 25	0 33	2 0	9 7	1 4	10 33	2 21	12 47	0 21	17 59	1 34	12 22	16 37	23 43	23 43	6 37		n.a.
W24	23 43	15 18	3 17	24 15	1 24	23 59	0 27	0 21	2 0	9 7	1 4	10 31	2 21	12 46	0 21	17 58	1 34	12 22	16 38	23 43	23 43	6 34		n.a.
T 25	23 43	10 10	4 13	23 55	1 16	24 5	0 29	0 10	2 0	9 7	1 4	10 29	2 21	12 46	0 21	17 58	1 34	12 23	16 39	23 43	23 43	6 31		n.a.
F 26	23 43	4 31	4 53	23 35	1 7	24 10	0 31	0 s 2	2 1	9 7	1 3	10 27	2 20	12 46	0 21	17 58	1 34	12 23	16 39	23 43	23 43	6 28		n.a.
S 27	23 42	1n19	5 14	23 13	0 57	24 15	0 34	0 14	2 1	9 8	1 3	10 25	2 20	12 45	0 21	17 58	1 33	12 23	16 40	23 43	23 43	6 26		n.a.
S 28	23 41	7 0	5 16	22 49	0 46	24 18	0 36	0 25	2 2	9 8	1 3	10 23	2 20	12 45	0 21	17 57	1 33	12 23	16 40	23 43	23 43	6 23		n.a.
M29	23 40	12 15	4 59	22 25	0 34	24 21	0 38	0 37	2 2	9 9	1 2	10 22	2 20	12 45	0 21	17 57	1 33	12 24	16 41	23 43	23 43	6 20		n.a.
T 30	23 37	16 48	4 26	22 0	0 21	24 23	0 40	0 48	2 2	9 9	1 2	10 20	2 20	12 45	0 21	17 57	1 33	12 24	16 41	23 43	23 43	6 17		n.a.
W31	23 s35	20n25	3n38	21 s35	0 s 7	24 s25	0 s42	1 s 0	2n 3	9n10	1 s 2	10 s18	2 s19	12n44	0 s21	17n57	1 s33	12n24	16n42	23 s43	23 s43	6n14		n.a.

Julian Day Number = 1633001.5, Delta T = 03h40m48s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'44, Lahiri = - 7°17'43 Julian Calendar 1 Dec. 243 BCE == Greg. Calendar 27 Nov. 243 BCE

The year -242 astronomical counting style corresponds to year 243 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

JANUARY 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 24 20	7♉ 9'19	29♉37	25♉30	3♉ 0	7♎38	25♈55	9♓28	4°R11	25°R51	7♎12	29♐45	29♐22	3♍ 5	n.a.	T 1
F 2	6 28 16	8°10'13	12♊36	26°22	4°15	8° 7	25°57	9°33	4♉10	25♉50	7°12	29°46	29°19	3°11	n.a.	F 2
S 3	6 32 13	9°11'06	25°22	27° 4	5°30	8°36	25°58	9°38	4° 9	25°49	7°13	29°R46	29°16	3°18	n.a.	S 3
S 4	6 36 10	10°11'57	7♋56	27°38	6°46	9° 5	26° 0	9°43	4° 9	25°48	7°13	29°46	29°13	3°25	n.a.	S 4
M 5	6 40 6	11°12'48	20°19	28° 1	8° 1	9°33	26° 2	9°48	4° 8	25°46	7°13	29°46	29°10	3°32	n.a.	M 5
T 6	6 44 3	12°13'36	2♌31	28°15	9°16	10° 1	26° 5	9°53	4° 7	25°45	7°14	29°44	29° 7	3°38	n.a.	T 6
W 7	6 47 59	13°14'24	14°34	28°R17	10°31	10°30	26° 7	9°58	4° 7	25°44	7°14	29°42	29° 3	3°45	n.a.	W 7
T 8	6 51 56	14°15'10	26°31	28° 8	11°46	10°58	26°10	10° 4	4° 7	25°43	7°14	29°40	29° 0	3°52	n.a.	T 8
F 9	6 55 52	15°15'55	8♍23	27°49	13° 1	11°25	26°13	10° 9	4° 6	25°42	7°14	29°38	28°57	3°58	n.a.	F 9
S 10	6 59 49	16°16'38	20°15	27°19	14°17	11°53	26°16	10°14	4° 6	25°41	7°14	29°36	28°54	4° 5	n.a.	S 10
S 11	7 3 45	17°17'21	2♎ 9	26°39	15°32	12°20	26°19	10°20	4° 6	25°40	7°14	29°34	28°51	4°12	n.a.	S 11
M12	7 7 42	18°18'02	14°11	25°51	16°47	12°47	26°22	10°26	4° 5	25°39	7°15	29°D33	28°47	4°19	n.a.	M12
T 13	7 11 39	19°18'42	26°24	24°55	18° 2	13°14	26°26	10°31	4° 5	25°39	7°R15	29°33	28°44	4°25	n.a.	T 13
W14	7 15 35	20°19'20	8♏55	23°53	19°17	13°41	26°30	10°37	4° 5	25°38	7°15	29°34	28°41	4°32	n.a.	W14
T 15	7 19 32	21°19'58	21°45	22°47	20°32	14° 7	26°34	10°43	4° 5	25°37	7°14	29°36	28°38	4°39	n.a.	T 15
F 16	7 23 28	22°20'34	5♐ 0	21°39	21°47	14°34	26°38	10°49	4°D 5	25°36	7°14	29°37	28°35	4°45	n.a.	F 16
S 17	7 27 25	23°21'08	18°41	20°30	23° 2	15° 0	26°42	10°55	4° 5	25°35	7°14	29°38	28°32	4°52	n.a.	S 17
S 18	7 31 21	24°21'41	2♑49	19°22	24°17	15°25	26°47	11° 1	4° 5	25°35	7°14	29°R39	28°28	4°59	n.a.	S 18
M19	7 35 18	25°22'13	17°19	18°17	25°32	15°51	26°52	11° 7	4° 5	25°34	7°14	29°38	28°25	5° 6	n.a.	M19
T 20	7 39 14	26°22'43	2♒ 7	17°17	26°47	16°16	26°57	11°13	4° 6	25°33	7°14	29°36	28°22	5°12	n.a.	T 20
W21	7 43 11	27°23'11	17° 5	16°22	28° 2	16°41	27° 2	11°19	4° 6	25°33	7°14	29°32	28°19	5°19	n.a.	W21
T 22	7 47 8	28°23'37	2♓ 5	15°32	29°17	17° 6	27° 7	11°26	4° 6	25°32	7°13	29°28	28°16	5°26	n.a.	T 22
F 23	7 51 4	29°24'01	16°58	14°50	0♒32	17°30	27°12	11°32	4° 6	25°32	7°13	29°24	28°13	5°32	n.a.	F 23
S 24	7 55 1	0♒24'23	1♈36	14°15	1°47	17°54	27°18	11°38	4° 7	25°31	7°13	29°20	28° 9	5°39	n.a.	S 24
S 25	7 58 57	1°24'43	15°54	13°47	3° 2	18°18	27°24	11°45	4° 7	25°30	7°12	29°18	28° 6	5°46	n.a.	S 25
M26	8 2 54	2°25'01	29°50	13°27	4°17	18°42	27°30	11°51	4° 8	25°30	7°12	29°D17	28° 3	5°53	n.a.	M26
T 27	8 6 50	3°25'16	13♉24	13°14	5°32	19° 5	27°36	11°58	4° 8	25°30	7°11	29°17	28° 0	5°59	n.a.	T 27
W28	8 10 47	4°25'30	26°37	13°D 8	6°47	19°28	27°42	12° 4	4° 9	25°29	7°11	29°18	27°57	6° 6	n.a.	W28
T 29	8 14 43	5°25'41	9♊32	13° 8	8° 2	19°51	27°48	12°11	4°10	25°29	7°10	29°20	27°53	6°13	n.a.	T 29
F 30	8 18 40	6°25'50	22°12	13°15	9°17	20°13	27°55	12°18	4°10	25°28	7°10	29°21	27°50	6°19	n.a.	F 30
S 31	8 22 37	7♒25'58	4♋39	13♉28	10♒32	20♎35	28♈ 2	12♓24	4♉11	25♉28	7♎ 9	29°R21	27♐47	6♍26	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23 s32	22n54	2n40	21 s10	0n 8	24 s25	0 s44	1 s11	2n 3	9n11	1 s 1	10 s16	2 s19	12n44	0 s21	17n56	1 s33	12n25	16n42	23 s43	23 s43	6n12			n.a.
F 2	23 28	24 8	1 34	20 45	0 23	24 25	0 46	1 22	2 4	9 11	1 1	10 14	2 19	12 44	0 21	17 56	1 33	12 25	16 43	23 43	23 43	6 9			n.a.
S 3	23 24	24 3	0 24	20 21	0 39	24 25	0 48	1 33	2 4	9 12	1 1	10 11	2 19	12 44	0 21	17 56	1 33	12 25	16 43	23 43	23 43	6 6			n.a.
S 4	23 20	22 44	0 s45	19 58	0 56	24 23	0 50	1 44	2 4	9 13	1 0	10 9	2 19	12 43	0 21	17 56	1 33	12 26	16 44	23 43	23 43	6 3			n.a.
M 5	23 15	20 20	1 51	19 36	1 14	24 21	0 52	1 55	2 5	9 14	1 0	10 7	2 19	12 43	0 21	17 55	1 33	12 26	16 44	23 43	23 43	6 1			n.a.
T 6	23 9	17 3	2 52	19 16	1 31	24 17	0 54	2 6	2 5	9 16	1 0	10 5	2 18	12 43	0 21	17 55	1 33	12 26	16 45	23 43	23 43	5 58			n.a.
W 7	23 3	13 6	3 43	18 58	1 49	24 13	0 56	2 17	2 5	9 17	1 0	10 3	2 18	12 43	0 21	17 55	1 33	12 27	16 46	23 43	23 43	5 55			n.a.
T 8	22 57	8 41	4 25	18 43	2 7	24 9	0 57	2 28	2 6	9 18	0 59	10 1	2 18	12 43	0 21	17 55	1 33	12 27	16 46	23 43	23 43	5 52			n.a.
F 9	22 50	3 59	4 54	18 30	2 24	24 3	0 59	2 38	2 6	9 19	0 59	9 58	2 18	12 43	0 21	17 55	1 33	12 28	16 47	23 43	23 43	5 49			n.a.
S 10	22 43	0 s51	5 11	18 20	2 40	23 57	1 1	2 49	2 6	9 21	0 59	9 56	2 18	12 43	0 21	17 54	1 33	12 28	16 47	23 43	23 43	5 47			n.a.
S 11	22 35	5 40	5 15	18 13	2 55	23 50	1 2	2 59	2 7	9 22	0 58	9 54	2 18	12 43	0 21	17 54	1 33	12 28	16 48	23 43	23 43	5 44			n.a.
M12	22 27	10 20	5 5	18 8	3 9	23 43	1 4	3 10	2 7	9 24	0 58	9 52	2 17	12 43	0 21	17 54	1 33	12 29	16 48	23 43	23 43	5 41			n.a.
T 13	22 19	14 40	4 42	18 6	3 21	23 34	1 6	3 20	2 8	9 25	0 58	9 49	2 17	12 42	0 21	17 54	1 33	12 29	16 49	23 43	23 43	5 38			n.a.
W14	22 10	18 29	4 4	18 7	3 31	23 25	1 7	3 30	2 8	9 27	0 58	9 47	2 17	12 42	0 21	17 54	1 33	12 30	16 49	23 43	23 43	5 36			n.a.
T 15	22 1	21 32	3 14	18 11	3 39	23 16	1 8	3 40	2 8	9 29	0 57	9 45	2 17	12 42	0 21	17 54	1 33	12 30	16 50	23 43	23 43	5 33			n.a.
F 16	21 51	23 33	2 12	18 16	3 44	23 5	1 10	3 50	2 9	9 30	0 57	9 42	2 17	12 42	0 21	17 54	1 33	12 31	16 50	23 43	23 43	5 30			n.a.
S 17	21 41	24 14	1 0	18 23	3 48	22 54	1 11	4 0	2 9	9 32	0 57	9 40	2 17	12 43	0 21	17 53	1 32	12 31	16 51	23 43	23 43	5 27			n.a.
S 18	21 30	23 24	0n17	18 32	3 49	22 42	1 12	4 10	2 9	9 34	0 56	9 37	2 16	12 43	0 21	17 53	1 32	12 32	16 52	23 43	23 43	5 24			n.a.
M19	21 19	21 1	1 36	18 42	3 47	22 30	1 14	4 19	2 9	9 36	0 56	9 35	2 16	12 43	0 21	17 53	1 32	12 33	16 52	23 43	23 43	5 22			n.a.
T 20	21 8	17 11	2 49	18 53	3 44	22 16	1 15	4 29	2 10	9 38	0 56	9 32	2 16	12 43	0 20	17 53	1 32	12 33	16 53	23 43	23 43	5 19			n.a.
W21	20 56	12 13	3 51	19 5	3 39	22 2	1 16	4 38	2 10	9 40	0 56	9 30	2 16	12 43	0 20	17 53	1 32	12 34	16 53	23 43	23 43	5 16			n.a.
T 22	20 44	6 32	4 38	19 18	3 32	21 48	1 17	4 47	2 10	9 43	0 55	9 27	2 16	12 43	0 20	17 53	1 32	12 34	16 54	23 43	23 43	5 13			n.a.
F 23	20 31	0 32	5 5	19 31	3 24	21 33	1 18	4 57	2 11	9 45	0 55	9 25	2 16	12 43	0 20	17 53	1 32	12 35	16 54	23 43	23 43	5 11			n.a.
S 24	20 18	5n24	5 12	19 44	3 14	21 17	1 19	5 6	2 11	9 47	0 55	9 22	2 16	12 43	0 20	17 53	1 32	12 35	16 55	23 43	23 43	5 8			n.a.
S 25	20 5	10 55	5 0	19 57	3 4	21 0	1 20	5 14	2 11	9 49	0 54	9 19	2 16	12 44	0 20	17 53	1 32	12 36	16 55	23 43	23 43	5 5			n.a.
M26	19 51	15 44	4 30	20 11	2 52	20 43	1 21	5 23	2 11	9 52	0 54	9 17	2 15	12 44	0 20	17 53	1 32	12 37	16 56	23 43	23 43	5 2			n.a.
T 27	19 37	19 37	3 45	20 24	2 41	20 26	1 21	5 32	2 12	9 54	0 54	9 14	2 15	12 44	0 20	17 53	1 32	12 37	16 56	23 43	23 43	4 59			n.a.
W28	19 23	22 22	2 49	20 36	2 28	20 7	1 22	5 40	2 12	9 57	0 54	9 12	2 15	12 44	0 20	17 53	1 32	12 38	16 57	23 43	23 42	4 57			n.a.
T 29	19 8	23 53	1 46	20 49	2 16	19 49	1 23	5 49	2 12	9 59	0 53	9 9	2 15	12 44	0 20	17 52	1 32	12 39	16 57	23 43	23 42	4 54			n.a.
F 30	18 53	24 8	0 39	21 1	2 3	19 29	1 23	5 57	2 12	10 2	0 53	9 6	2 15	12 45	0 20	17 52	1 32	12 39	16 58	23 43	23 42	4 51			n.a.
S 31	18 s38	23n10	0 s29	21 s12	1n50	19 s 9	1 s24	6 s 5	2n13	10n 5	0 s53	9 s 3	2 s15	12n45	0 s20	17n52	1 s32	12n40	16n58	23 s43	23 s42	4n48			n.a.

Julian Day Number = 1633032.5, Delta T = 03h40m47s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'39, Lahiri = - 7°17'39 Julian Calendar 1 Jan. 242 BCE == Greg. Calendar 28 Dec. 243 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

FEBRUARY 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 26 33	8♒26'02	16♋56	13♉47	11♒46	20♎57	28♈ 9	12♓31	4♉12	25°R28	7°R 8	29°R20	27♐44	6♍33	n.a.	S 1
M 2	8 30 30	9°26'05	29° 4	14°11	13° 1	21°18	28°16	12°38	4°13	25♉28	7♎ 8	29♐16	27°41	6°40	n.a.	M 2
T 3	8 34 26	10°26'06	11♌ 7	14°40	14°16	21°40	28°23	12°45	4°14	25°27	7° 7	29°10	27°38	6°46	n.a.	T 3
W 4	8 38 23	11°26'05	23° 4	15°13	15°31	22° 0	28°30	12°52	4°15	25°27	7° 6	29° 3	27°34	6°53	n.a.	W 4
T 5	8 42 19	12°26'02	4♍58	15°51	16°45	22°21	28°38	12°59	4°16	25°27	7° 6	28°55	27°31	7° 0	n.a.	T 5
F 6	8 46 16	13°25'56	16°50	16°33	18° 0	22°41	28°45	13° 6	4°17	25°27	7° 5	28°46	27°28	7° 6	n.a.	F 6
S 7	8 50 12	14°25'49	28°42	17°19	19°15	23° 0	28°53	13°13	4°18	25°27	7° 4	28°38	27°25	7°13	n.a.	S 7
S 8	8 54 9	15°25'40	10♎37	18° 8	20°30	23°19	29° 1	13°20	4°19	25°27	7° 3	28°31	27°22	7°20	n.a.	S 8
M 9	8 58 6	16°25'29	22°39	19° 0	21°44	23°38	29° 9	13°27	4°21	25°D27	7° 2	28°26	27°19	7°27	n.a.	M 9
T 10	9 2 2	17°25'17	4♏50	19°56	22°59	23°57	29°17	13°34	4°22	25°27	7° 1	28°23	27°15	7°33	n.a.	T 10
W11	9 5 59	18°25'02	17°16	20°54	24°14	24°15	29°26	13°41	4°23	25°27	7° 1	28°D22	27°12	7°40	n.a.	W11
T 12	9 9 55	19°24'46	0♐ 0	21°55	25°28	24°32	29°34	13°48	4°25	25°27	7° 0	28°22	27° 9	7°47	n.a.	T 12
F 13	9 13 52	20°24'28	13° 8	22°59	26°43	24°49	29°43	13°56	4°26	25°27	6°59	28°23	27° 6	7°53	n.a.	F 13
S 14	9 17 48	21°24'09	26°43	24° 5	27°57	25° 6	29°51	14° 3	4°28	25°27	6°58	28°R24	27° 3	8° 0	n.a.	S 14
S 15	9 21 45	22°23'47	10♑46	25°13	29°12	25°22	0♉ 0	14°10	4°29	25°28	6°57	28°24	26°59	8° 7	n.a.	S 15
M16	9 25 41	23°23'24	25°17	26°24	0♓27	25°38	0° 9	14°18	4°31	25°28	6°55	28°21	26°56	8°14	n.a.	M16
T 17	9 29 38	24°22'58	10♒12	27°36	1°41	25°53	0°18	14°25	4°32	25°28	6°54	28°16	26°53	8°20	n.a.	T 17
W18	9 33 34	25°22'31	25°23	28°51	2°56	26° 8	0°27	14°32	4°34	25°28	6°53	28° 8	26°50	8°27	n.a.	W18
T 19	9 37 31	26°22'01	10♓41	0♒ 7	4°10	26°22	0°37	14°40	4°36	25°29	6°52	28° 0	26°47	8°34	n.a.	T 19
F 20	9 41 28	27°21'29	25°53	1°25	5°25	26°36	0°46	14°47	4°37	25°29	6°51	27°50	26°44	8°40	n.a.	F 20
S 21	9 45 24	28°20'54	10♈51	2°45	6°39	26°49	0°56	14°55	4°39	25°30	6°50	27°42	26°40	8°47	n.a.	S 21
S 22	9 49 21	29°20'18	25°25	4° 7	7°54	27° 2	1° 6	15° 2	4°41	25°30	6°48	27°36	26°37	8°54	n.a.	S 22
M23	9 53 17	0♓19'39	9♉33	5°30	9° 8	27°14	1°15	15°10	4°43	25°30	6°47	27°32	26°34	9° 1	n.a.	M23
T 24	9 57 14	1°18'57	23°12	6°55	10°22	27°26	1°25	15°17	4°45	25°31	6°46	27°30	26°31	9° 7	n.a.	T 24
W25	10 1 10	2°18'13	6♊24	8°21	11°37	27°37	1°35	15°25	4°47	25°32	6°45	27°D30	26°28	9°14	n.a.	W25
T 26	10 5 7	3°17'27	19°14	9°49	12°51	27°48	1°45	15°32	4°49	25°32	6°43	27°30	26°24	9°21	n.a.	T 26
F 27	10 9 3	4°16'38	1♋45	11°18	14° 5	27°58	1°56	15°40	4°51	25°33	6°42	27°R30	26°21	9°27	n.a.	F 27
S 28	10 13 0	5♓15'47	14♋ 1	12♒49	15♓20	28♎ 7	2♉ 6	15♓47	4♉53	25♉33	6♎41	27♐29	26♐18	9♍34	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s22	21n 5	1s34	21s23	1n38	18s49	1s24	6s13	2n13	10n 7	0s53	9s 1	2s15	12n45	0s20	17n52	1s32	12n41	16n59	23s43	23s42	4n46			n.a.
M 2	18 6	18 4	2 34	21 33	1 25	18 28	1 25	6 21	2 13	10 10	0 52	8 58	2 15	12 46	0 20	17 52	1 32	12 41	16 59	23 43	23 42	4 43			n.a.
T 3	17 50	14 20	3 27	21 42	1 13	18 6	1 25	6 29	2 13	10 13	0 52	8 55	2 15	12 46	0 20	17 52	1 31	12 42	17 0	23 43	23 42	4 40			n.a.
W 4	17 33	10 3	4 10	21 51	1 0	17 44	1 25	6 37	2 13	10 16	0 52	8 52	2 14	12 46	0 20	17 52	1 31	12 43	17 0	23 43	23 42	4 37			n.a.
T 5	17 16	5 26	4 42	21 58	0 48	17 22	1 26	6 44	2 14	10 19	0 52	8 50	2 14	12 47	0 20	17 52	1 31	12 44	17 1	23 43	23 42	4 34			n.a.
F 6	16 59	0 39	5 1	22 5	0 37	16 59	1 26	6 51	2 14	10 22	0 51	8 47	2 14	12 47	0 20	17 53	1 31	12 44	17 1	23 43	23 42	4 32			n.a.
S 7	16 42	4s10	5 8	22 10	0 25	16 35	1 26	6 59	2 14	10 25	0 51	8 44	2 14	12 48	0 20	17 53	1 31	12 45	17 1	23 43	23 42	4 29			n.a.
S 8	16 24	8 51	5 1	22 15	0 14	16 11	1 26	7 6	2 14	10 28	0 51	8 41	2 14	12 48	0 20	17 53	1 31	12 46	17 2	23 43	23 42	4 26			n.a.
M 9	16 6	13 15	4 41	22 18	0 3	15 47	1 26	7 13	2 14	10 31	0 51	8 38	2 14	12 48	0 20	17 53	1 31	12 46	17 2	23 43	23 42	4 23			n.a.
T 10	15 48	17 10	4 8	22 21	0s 7	15 22	1 26	7 19	2 14	10 34	0 50	8 35	2 14	12 49	0 20	17 53	1 31	12 47	17 3	23 43	23 42	4 21			n.a.
W11	15 29	20 26	3 23	22 22	0 17	14 57	1 26	7 26	2 14	10 37	0 50	8 33	2 14	12 49	0 20	17 53	1 31	12 48	17 3	23 43	23 42	4 18			n.a.
T 12	15 10	22 47	2 27	22 22	0 27	14 31	1 25	7 32	2 14	10 41	0 50	8 30	2 14	12 50	0 20	17 53	1 31	12 49	17 4	23 43	23 42	4 15			n.a.
F 13	14 51	23 59	1 21	22 20	0 36	14 5	1 25	7 39	2 14	10 44	0 50	8 27	2 14	12 50	0 20	17 53	1 31	12 49	17 4	23 43	23 42	4 12			n.a.
S 14	14 32	23 50	0 9	22 18	0 45	13 39	1 25	7 45	2 14	10 47	0 49	8 24	2 14	12 51	0 20	17 53	1 31	12 50	17 4	23 43	23 41	4 9			n.a.
S 15	14 13	22 11	1n 6	22 14	0 54	13 12	1 24	7 51	2 14	10 50	0 49	8 21	2 14	12 51	0 20	17 53	1 31	12 51	17 5	23 43	23 41	4 7			n.a.
M16	13 53	19 3	2 19	22 8	1 2	12 45	1 24	7 56	2 14	10 54	0 49	8 18	2 14	12 52	0 20	17 53	1 31	12 52	17 5	23 43	23 41	4 4			n.a.
T 17	13 33	14 37	3 24	22 2	1 10	12 18	1 23	8 2	2 14	10 57	0 49	8 15	2 13	12 53	0 20	17 53	1 31	12 53	17 6	23 43	23 41	4 1			n.a.
W18	13 13	9 11	4 17	21 54	1 17	11 50	1 23	8 8	2 14	11 1	0 48	8 12	2 13	12 53	0 20	17 54	1 31	12 53	17 6	23 43	23 41	3 58			n.a.
T 19	12 53	3 10	4 51	21 44	1 24	11 22	1 22	8 13	2 14	11 4	0 48	8 9	2 13	12 54	0 20	17 54	1 31	12 54	17 6	23 43	23 41	3 56			n.a.
F 20	12 32	2n59	5 4	21 33	1 31	10 54	1 21	8 18	2 14	11 8	0 48	8 6	2 13	12 54	0 20	17 54	1 30	12 55	17 7	23 42	23 41	3 53			n.a.
S 21	12 11	8 53	4 57	21 21	1 37	10 25	1 20	8 23	2 14	11 11	0 48	8 3	2 13	12 55	0 20	17 54	1 30	12 56	17 7	23 42	23 41	3 50			n.a.
S 22	11 50	14 7	4 30	21 7	1 43	9 56	1 20	8 28	2 14	11 15	0 48	8 0	2 13	12 56	0 20	17 54	1 30	12 57	17 7	23 42	23 41	3 47			n.a.
M23	11 29	18 25	3 47	20 52	1 48	9 27	1 19	8 32	2 14	11 19	0 47	7 57	2 13	12 56	0 20	17 54	1 30	12 57	17 8	23 42	23 41	3 45			n.a.
T 24	11 8	21 34	2 52	20 35	1 53	8 58	1 18	8 37	2 14	11 22	0 47	7 54	2 13	12 57	0 20	17 55	1 30	12 58	17 8	23 42	23 41	3 42			n.a.
W25	10 47	23 26	1 50	20 17	1 58	8 28	1 17	8 41	2 13	11 26	0 47	7 51	2 13	12 58	0 20	17 55	1 30	12 59	17 8	23 42	23 41	3 39			n.a.
T 26	10 25	24 1	0 44	19 57	2 2	7 58	1 16	8 45	2 13	11 30	0 47	7 48	2 13	12 58	0 20	17 55	1 30	13 0	17 9	23 42	23 41	3 36			n.a.
F 27	10 3	23 20	0s23	19 36	2 5	7 28	1 14	8 49	2 13	11 34	0 46	7 45	2 13	12 59	0 20	17 55	1 30	13 1	17 9	23 42	23 40	3 34			n.a.
S 28	9s42	21n32	1s27	19s13	2s 8	6s58	1s13	8s52	2n12	11n37	0s46	7s42	2s13	13n 0	0s19	17n55	1s30	13n 1	17n 9	23s42	23s40	3n31			n.a.

Julian Day Number = 1633063.5, Delta T = 03h40m46s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'35, Lahiri = - 7°17'35 Julian Calendar 1 Feb. 242 BCE == Greg. Calendar 28 Jan. 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

MARCH 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 16 57	6♓14'54	26♋ 8	14♒22	16♓34	28♎16	2♉16	15♓55	4♉55	25♉34	6°R39	27°R25	26♐15	9♍41	n.a.	S 1
M 2	10 20 53	7°13'58	8♌ 7	15°56	17°48	28°24	2°27	16° 3	4°57	25°35	6♎38	27♐19	26°12	9°48	n.a.	M 2
T 3	10 24 50	8°13'00	20° 1	17°31	19° 2	28°31	2°38	16°10	5° 0	25°35	6°36	27°10	26° 9	9°54	n.a.	T 3
W 4	10 28 46	9°11'59	1♍54	19° 8	20°17	28°38	2°48	16°18	5° 2	25°36	6°35	26°58	26° 5	10° 1	n.a.	W 4
T 5	10 32 43	10°10'57	13°46	20°46	21°31	28°44	2°59	16°26	5° 4	25°37	6°34	26°45	26° 2	10° 8	n.a.	T 5
F 6	10 36 39	11° 9'52	25°39	22°26	22°45	28°50	3°10	16°33	5° 7	25°38	6°32	26°31	25°59	10°15	n.a.	F 6
S 7	10 40 36	12° 8'45	7♎35	24° 7	23°59	28°55	3°21	16°41	5° 9	25°39	6°31	26°18	25°56	10°21	n.a.	S 7
S 8	10 44 32	13° 7'37	19°34	25°49	25°13	28°59	3°32	16°49	5°11	25°40	6°29	26° 7	25°53	10°28	n.a.	S 8
M 9	10 48 29	14° 6'26	1♏40	27°34	26°27	29° 3	3°43	16°56	5°14	25°41	6°28	25°58	25°50	10°35	n.a.	M 9
T 10	10 52 25	15° 5'14	13°54	29°19	27°41	29° 6	3°54	17° 4	5°16	25°42	6°26	25°52	25°46	10°41	n.a.	T 10
W11	10 56 22	16° 3'59	26°21	1♓ 6	28°55	29° 8	4° 6	17°12	5°19	25°43	6°24	25°48	25°43	10°48	n.a.	W11
T 12	11 0 19	17° 2'43	9♐ 3	2°55	0♈ 9	29° 9	4°17	17°19	5°21	25°44	6°23	25°47	25°40	10°55	n.a.	T 12
F 13	11 4 15	18° 1'25	22° 5	4°45	1°23	29°R10	4°29	17°27	5°24	25°45	6°21	25°47	25°37	11° 2	n.a.	F 13
S 14	11 8 12	19° 0'06	5♑32	6°37	2°37	29°10	4°40	17°35	5°27	25°46	6°20	25°46	25°34	11° 8	n.a.	S 14
S 15	11 12 8	19°58'44	19°25	8°30	3°51	29° 9	4°52	17°42	5°29	25°47	6°18	25°45	25°30	11°15	n.a.	S 15
M16	11 16 5	20°57'21	3♒46	10°25	5° 5	29° 8	5° 4	17°50	5°32	25°48	6°17	25°41	25°27	11°22	n.a.	M16
T 17	11 20 1	21°55'56	18°32	12°21	6°19	29° 5	5°16	17°58	5°35	25°49	6°15	25°35	25°24	11°28	n.a.	T 17
W18	11 23 58	22°54'29	3♓38	14°19	7°33	29° 2	5°27	18° 5	5°38	25°50	6°13	25°26	25°21	11°35	n.a.	W18
T 19	11 27 54	23°53'00	18°55	16°18	8°47	28°58	5°39	18°13	5°40	25°52	6°12	25°16	25°18	11°42	n.a.	T 19
F 20	11 31 51	24°51'30	4♈13	18°18	10° 1	28°54	5°51	18°21	5°43	25°53	6°10	25° 4	25°15	11°49	n.a.	F 20
S 21	11 35 48	25°49'57	19°18	20°20	11°14	28°48	6° 4	18°28	5°46	25°54	6° 8	24°54	25°11	11°55	n.a.	S 21
S 22	11 39 44	26°48'22	4♉ 3	22°24	12°28	28°42	6°16	18°36	5°49	25°55	6° 7	24°45	25° 8	12° 2	n.a.	S 22
M23	11 43 41	27°46'45	18°20	24°28	13°42	28°35	6°28	18°43	5°52	25°57	6° 5	24°39	25° 5	12° 9	n.a.	M23
T 24	11 47 37	28°45'06	2♊ 8	26°34	14°56	28°28	6°40	18°51	5°55	25°58	6° 3	24°36	25° 2	12°15	n.a.	T 24
W25	11 51 34	29°43'25	15°27	28°41	16° 9	28°19	6°53	18°59	5°58	25°59	6° 2	24°35	24°59	12°22	n.a.	W25
T 26	11 55 30	0♈41'41	28°19	0♈48	17°23	28°10	7° 5	19° 6	6° 1	26° 1	6° 0	24°35	24°56	12°29	n.a.	T 26
F 27	11 59 27	1°39'56	10♋50	2°56	18°36	28° 0	7°17	19°14	6° 4	26° 2	5°58	24°35	24°52	12°36	n.a.	F 27
S 28	12 3 23	2°38'08	23° 5	5° 5	19°50	27°49	7°30	19°21	6° 7	26° 4	5°57	24°33	24°49	12°42	n.a.	S 28
S 29	12 7 20	3°36'18	5♌ 7	7°14	21° 4	27°38	7°43	19°29	6°10	26° 5	5°55	24°30	24°46	12°49	n.a.	S 29
M30	12 11 17	4°34'26	17° 2	9°22	22°17	27°26	7°55	19°36	6°13	26° 7	5°53	24°23	24°43	12°56	n.a.	M30
T 31	12 15 13	5♈32'32	28♌54	11♈31	23♈31	27♎13	8♉ 8	19♓44	6♉16	26♉ 8	5♎52	24♐15	24♐40	13♍ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s20	18n47	2s26	18s48	2s11	6s28	1s12	8s56	2n12	11n41	0s46	7s39	2s13	13n 1	0s19	17n56	1s30	13n 2	17n10	23s42	23s40	3n28		n.a.
M 2	8 57	15 16	3 18	18 22	2 13	5 57	1 11	8 59	2 12	11 45	0 46	7 36	2 13	13 1	0 19	17 56	1 30	13 3	17 10	23 42	23 40	3 25		n.a.
T 3	8 35	11 11	4 1	17 54	2 15	5 27	1 9	9 2	2 11	11 49	0 46	7 33	2 13	13 2	0 19	17 56	1 30	13 4	17 10	23 42	23 40	3 22		n.a.
W 4	8 13	6 41	4 33	17 25	2 16	4 56	1 8	9 5	2 11	11 53	0 45	7 30	2 13	13 3	0 19	17 56	1 30	13 5	17 10	23 41	23 40	3 20		n.a.
T 5	7 50	1 57	4 53	16 54	2 17	4 25	1 6	9 8	2 10	11 57	0 45	7 27	2 13	13 4	0 19	17 56	1 30	13 5	17 11	23 41	23 40	3 17		n.a.
F 6	7 28	2s50	5 0	16 22	2 17	3 54	1 5	9 10	2 10	12 1	0 45	7 24	2 13	13 5	0 19	17 57	1 30	13 6	17 11	23 41	23 40	3 14		n.a.
S 7	7 5	7 33	4 55	15 48	2 17	3 23	1 3	9 12	2 9	12 5	0 45	7 21	2 13	13 5	0 19	17 57	1 30	13 7	17 11	23 40	23 40	3 11		n.a.
S 8	6 42	12 0	4 36	15 12	2 16	2 52	1 1	9 14	2 9	12 9	0 45	7 18	2 13	13 6	0 19	17 57	1 30	13 8	17 11	23 40	23 40	3 9		n.a.
M 9	6 20	16 1	4 5	14 35	2 15	2 20	1 0	9 16	2 8	12 13	0 45	7 15	2 13	13 7	0 19	17 58	1 29	13 8	17 12	23 40	23 39	3 6		n.a.
T 10	5 57	19 24	3 22	13 56	2 14	1 49	0 58	9 18	2 8	12 17	0 44	7 12	2 13	13 8	0 19	17 58	1 29	13 9	17 12	23 40	23 39	3 3		n.a.
W11	5 34	21 59	2 29	13 15	2 11	1 17	0 56	9 19	2 7	12 21	0 44	7 9	2 13	13 9	0 19	17 58	1 29	13 10	17 12	23 39	23 39	3 0		n.a.
T 12	5 10	23 30	1 27	12 33	2 9	0 46	0 54	9 20	2 6	12 25	0 44	7 6	2 13	13 10	0 19	17 58	1 29	13 11	17 12	23 39	23 39	2 58		n.a.
F 13	4 47	23 49	0 20	11 49	2 5	0 15	0 52	9 21	2 5	12 29	0 44	7 3	2 13	13 11	0 19	17 59	1 29	13 12	17 12	23 39	23 39	2 55		n.a.
S 14	4 24	22 45	0n51	11 4	2 2	0n17	0 51	9 22	2 4	12 33	0 44	7 0	2 13	13 11	0 19	17 59	1 29	13 12	17 12	23 39	23 39	2 52		n.a.
S 15	4 1	20 18	2 1	10 17	1 57	0 49	0 49	9 23	2 4	12 37	0 43	6 57	2 13	13 12	0 19	17 59	1 29	13 13	17 13	23 39	23 39	2 49		n.a.
M16	3 38	16 32	3 6	9 29	1 52	1 20	0 46	9 23	2 3	12 41	0 43	6 54	2 13	13 13	0 19	18 0	1 29	13 14	17 13	23 39	23 39	2 47		n.a.
T 17	3 14	11 39	4 0	8 39	1 47	1 52	0 44	9 23	2 2	12 45	0 43	6 51	2 13	13 14	0 19	18 0	1 29	13 15	17 13	23 39	23 39	2 44		n.a.
W18	2 51	5 58	4 39	7 48	1 41	2 23	0 42	9 23	2 1	12 49	0 43	6 48	2 13	13 15	0 19	18 0	1 29	13 15	17 13	23 39	23 38	2 41		n.a.
T 19	2 27	0n 8	4 58	6 55	1 35	2 54	0 40	9 23	1 59	12 54	0 43	6 45	2 13	13 16	0 19	18 1	1 29	13 16	17 13	23 38	23 38	2 38		n.a.
F 20	2 4	6 13	4 56	6 1	1 28	3 26	0 38	9 22	1 58	12 58	0 43	6 42	2 13	13 17	0 19	18 1	1 29	13 17	17 13	23 38	23 38	2 36		n.a.
S 21	1 41	11 51	4 34	5 6	1 20	3 57	0 36	9 21	1 57	13 2	0 42	6 39	2 13	13 18	0 19	18 1	1 29	13 18	17 13	23 37	23 38	2 33		n.a.
S 22	1 17	16 40	3 53	4 9	1 12	4 28	0 34	9 20	1 56	13 6	0 42	6 36	2 13	13 19	0 19	18 2	1 29	13 18	17 13	23 37	23 38	2 30		n.a.
M23	0 54	20 21	2 59	3 12	1 4	4 59	0 31	9 19	1 54	13 10	0 42	6 33	2 13	13 20	0 19	18 2	1 29	13 19	17 13	23 37	23 38	2 27		n.a.
T 24	0 30	22 43	1 56	2 13	0 55	5 30	0 29	9 18	1 53	13 15	0 42	6 30	2 14	13 21	0 19	18 2	1 29	13 20	17 13	23 37	23 38	2 25		n.a.
W25	0 7	23 43	0 48	1 14	0 46	6 1	0 27	9 16	1 52	13 19	0 42	6 27	2 14	13 22	0 19	18 3	1 29	13 20	17 14	23 37	23 38	2 22		n.a.
T 26	0n17	23 23	0s20	0 13	0 36	6 32	0 24	9 14	1 50	13 23	0 42	6 24	2 14	13 23	0 19	18 3	1 29	13 21	17 14	23 37	23 38	2 19		n.a.
F 27	0 40	21 52	1 25	0n47	0 26	7 2	0 22	9 12	1 48	13 27	0 41	6 21	2 14	13 24	0 19	18 4	1 29	13 22	17 14	23 37	23 37	2 16		n.a.
S 28	1 4	19 21	2 25	1 48	0 15	7 33	0 19	9 10	1 47	13 32	0 41	6 18	2 14	13 25	0 19	18 4	1 28	13 23	17 14	23 37	23 37	2 14		n.a.
S 29	1 27	16 2	3 17	2 50	0 5	8 3	0 17	9 7	1 45	13 36	0 41	6 16	2 14	13 26	0 19	18 4	1 28	13 23	17 14	23 36	23 37	2 11		n.a.
M30	1 50	12 6	4 0	3 51	0n 6	8 33	0 14	9 5	1 43	13 40	0 41	6 13	2 14	13 27	0 19	18 5	1 28	13 24	17 14	23 36	23 37	2 8		n.a.
T 31	2n14	7n45	4s32	4n52	0n17	9n 3	0s12	9s 2	1n41	13n45	0s41	6s10	2s14	13n28	0s19	18n 5	1s28	13n25	17n14	23s36	23s37	2n 5		n.a.

Julian Day Number = 1633091.5, Delta T = 03h40m45s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'31, Lahiri = - 7°17'31 Julian Calendar 1 March 242 BCE == Greg. Calendar 25 Feb. 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

APRIL 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 19 10	6♈30'36	10♍45	13♈38	24♈44	27°R 0	8♉21	19♓51	6♉19	26♉10	5°R50	24°R 3	24♐36	13♍ 9	n.a.	W 1
T 2	12 23 6	7°28'39	22°38	15°45	25°58	26♎46	8°33	19°59	6°22	26°11	5♎48	23♐50	24°33	13°16	n.a.	T 2
F 3	12 27 3	8°26'39	4♎35	17°51	27°11	26°31	8°46	20° 6	6°25	26°13	5°46	23°37	24°30	13°23	n.a.	F 3
S 4	12 30 59	9°24'37	16°37	19°55	28°24	26°15	8°59	20°14	6°29	26°15	5°45	23°24	24°27	13°29	n.a.	S 4
S 5	12 34 56	10°22'34	28°45	21°57	29°38	26° 0	9°12	20°21	6°32	26°16	5°43	23°13	24°24	13°36	n.a.	S 5
M 6	12 38 52	11°20'30	11♏ 0	23°57	0♉51	25°43	9°25	20°29	6°35	26°18	5°41	23° 4	24°21	13°43	n.a.	M 6
T 7	12 42 49	12°18'24	23°24	25°55	2° 4	25°26	9°38	20°36	6°38	26°20	5°40	22°58	24°17	13°50	n.a.	T 7
W 8	12 46 45	13°16'16	5♐59	27°50	3°18	25° 8	9°51	20°43	6°42	26°21	5°38	22°54	24°14	13°56	n.a.	W 8
T 9	12 50 42	14°14'07	18°48	29°43	4°31	24°50	10° 4	20°50	6°45	26°23	5°36	22°D53	24°11	14° 3	n.a.	T 9
F 10	12 54 39	15°11'57	1♑53	1♉32	5°44	24°32	10°17	20°58	6°48	26°25	5°35	22°53	24° 8	14°10	n.a.	F 10
S 11	12 58 35	16° 9'46	15°17	3°19	6°57	24°13	10°31	21° 5	6°52	26°27	5°33	22°R53	24° 5	14°16	n.a.	S 11
S 12	13 2 32	17° 7'33	29° 3	5° 2	8°10	23°53	10°44	21°12	6°55	26°29	5°31	22°53	24° 1	14°23	n.a.	S 12
M13	13 6 28	18° 5'19	13♒12	6°43	9°24	23°33	10°57	21°19	6°58	26°30	5°30	22°51	23°58	14°30	n.a.	M13
T 14	13 10 25	19° 3'04	27°43	8°19	10°37	23°13	11°10	21°26	7° 2	26°32	5°28	22°46	23°55	14°37	n.a.	T 14
W15	13 14 21	20° 0'47	12♓33	9°53	11°50	22°53	11°24	21°34	7° 5	26°34	5°26	22°39	23°52	14°43	n.a.	W15
T 16	13 18 18	20°58'29	27°34	11°23	13° 3	22°32	11°37	21°41	7° 8	26°36	5°25	22°31	23°49	14°50	n.a.	T 16
F 17	13 22 14	21°56'10	12♈38	12°49	14°16	22°12	11°51	21°48	7°12	26°38	5°23	22°21	23°46	14°57	n.a.	F 17
S 18	13 26 11	22°53'50	27°35	14°12	15°29	21°51	12° 4	21°55	7°15	26°40	5°22	22°13	23°42	15° 3	n.a.	S 18
S 19	13 30 8	23°51'28	12♉16	15°31	16°42	21°30	12°17	22° 2	7°19	26°42	5°20	22° 6	23°39	15°10	n.a.	S 19
M20	13 34 4	24°49'05	26°34	16°46	17°55	21° 9	12°31	22° 8	7°22	26°44	5°18	22° 1	23°36	15°17	n.a.	M20
T 21	13 38 1	25°46'40	10♊24	17°57	19° 8	20°48	12°44	22°15	7°26	26°46	5°17	21°58	23°33	15°24	n.a.	T 21
W22	13 41 57	26°44'14	23°48	19° 5	20°21	20°27	12°58	22°22	7°29	26°48	5°15	21°D58	23°30	15°30	n.a.	W22
T 23	13 45 54	27°41'46	6♋45	20° 9	21°33	20° 6	13°12	22°29	7°33	26°50	5°14	21°58	23°27	15°37	n.a.	T 23
F 24	13 49 50	28°39'17	19°20	21° 9	22°46	19°45	13°25	22°36	7°36	26°52	5°12	21°59	23°23	15°44	n.a.	F 24
S 25	13 53 47	29°36'47	1♌37	22° 5	23°59	19°25	13°39	22°42	7°40	26°54	5°11	22°R 0	23°20	15°51	n.a.	S 25
S 26	13 57 43	0♉34'15	13°41	22°57	25°12	19° 5	13°52	22°49	7°43	26°56	5° 9	21°59	23°17	15°57	n.a.	S 26
M27	14 1 40	1°31'41	25°36	23°44	26°24	18°45	14° 6	22°56	7°46	26°58	5° 8	21°56	23°14	16° 4	n.a.	M27
T 28	14 5 37	2°29'06	7♍28	24°28	27°37	18°25	14°20	23° 2	7°50	27° 0	5° 6	21°51	23°11	16°11	n.a.	T 28
W29	14 9 33	3°26'30	19°20	25° 7	28°50	18° 6	14°33	23° 9	7°53	27° 2	5° 5	21°44	23° 7	16°17	n.a.	W29
T 30	14 13 30	4♉23'52	1♎16	25♉42	0♊ 2	17♎47	14♉47	23♓15	7♉57	27♉ 4	5♎ 3	21♐36	23♐ 4	16♍24	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n37	3n 7	4s52	5n52	0n27	9n33	0s 9	8s59	1n39	13n49	0s41	6s 7	2s14	13n29	0s19	18n 6	1s28	13n25	17n14	23s35	23s37	2n 3		n.a.
T 2	3 0	1s38	5 0	6 52	0 38	10 2	0 7	8 56	1 37	13 53	0 40	6 4	2 14	13 30	0 19	18 6	1 28	13 26	17 14	23 35	23 37	2 0		n.a.
F 3	3 23	6 21	4 55	7 50	0 49	10 31	0 4	8 52	1 35	13 57	0 40	6 1	2 14	13 32	0 19	18 6	1 28	13 26	17 13	23 34	23 37	1 57		n.a.
S 4	3 46	10 51	4 36	8 47	0 59	11 0	0 2	8 48	1 33	14 2	0 40	5 58	2 14	13 33	0 19	18 7	1 28	13 27	17 13	23 33	23 36	1 54		n.a.
S 5	4 9	14 58	4 5	9 43	1 10	11 29	0n 1	8 45	1 31	14 6	0 40	5 55	2 14	13 34	0 19	18 7	1 28	13 28	17 13	23 33	23 36	1 52		n.a.
M 6	4 32	18 30	3 23	10 38	1 19	11 58	0 3	8 41	1 29	14 10	0 40	5 52	2 15	13 35	0 19	18 8	1 28	13 28	17 13	23 32	23 36	1 49		n.a.
T 7	4 55	21 15	2 30	11 30	1 29	12 26	0 6	8 37	1 26	14 15	0 40	5 50	2 15	13 36	0 19	18 8	1 28	13 29	17 13	23 32	23 36	1 46		n.a.
W 8	5 18	23 1	1 28	12 21	1 38	12 54	0 9	8 32	1 24	14 19	0 40	5 47	2 15	13 37	0 19	18 9	1 28	13 29	17 13	23 32	23 36	1 43		n.a.
T 9	5 41	23 36	0 22	13 9	1 46	13 21	0 11	8 28	1 22	14 23	0 39	5 44	2 15	13 38	0 19	18 9	1 28	13 30	17 13	23 32	23 36	1 41		n.a.
F 10	6 3	22 55	0n48	13 56	1 54	13 49	0 14	8 23	1 19	14 28	0 39	5 41	2 15	13 39	0 19	18 10	1 28	13 31	17 13	23 32	23 36	1 38		n.a.
S 11	6 26	20 55	1 56	14 40	2 1	14 15	0 17	8 19	1 16	14 32	0 39	5 38	2 15	13 40	0 19	18 10	1 28	13 31	17 13	23 32	23 35	1 35		n.a.
S 12	6 48	17 39	3 0	15 22	2 8	14 42	0 19	8 14	1 14	14 36	0 39	5 36	2 15	13 41	0 19	18 10	1 28	13 32	17 13	23 32	23 35	1 33		n.a.
M13	7 11	13 19	3 54	16 1	2 14	15 8	0 22	8 9	1 11	14 40	0 39	5 33	2 15	13 43	0 19	18 11	1 28	13 32	17 12	23 32	23 35	1 30		n.a.
T 14	7 33	8 6	4 35	16 38	2 19	15 34	0 24	8 4	1 8	14 45	0 39	5 30	2 15	13 44	0 19	18 11	1 28	13 33	17 12	23 31	23 35	1 27		n.a.
W15	7 55	2 20	4 59	17 12	2 23	16 0	0 27	7 59	1 6	14 49	0 39	5 27	2 16	13 45	0 19	18 12	1 28	13 33	17 12	23 31	23 35	1 24		n.a.
T 16	8 17	3n38	5 2	17 44	2 27	16 25	0 30	7 54	1 3	14 53	0 39	5 25	2 16	13 46	0 19	18 12	1 28	13 34	17 12	23 31	23 35	1 22		n.a.
F 17	8 39	9 25	4 45	18 14	2 29	16 49	0 32	7 49	1 0	14 58	0 38	5 22	2 16	13 47	0 19	18 13	1 28	13 34	17 12	23 30	23 35	1 19		n.a.
S 18	9 0	14 35	4 8	18 41	2 31	17 13	0 35	7 44	0 57	15 2	0 38	5 19	2 16	13 48	0 19	18 13	1 28	13 34	17 12	23 30	23 34	1 16		n.a.
S 19	9 22	18 48	3 16	19 6	2 32	17 37	0 37	7 39	0 54	15 6	0 38	5 17	2 16	13 49	0 19	18 14	1 28	13 35	17 11	23 29	23 34	1 13		n.a.
M20	9 43	21 45	2 12	19 29	2 32	18 1	0 40	7 34	0 51	15 10	0 38	5 14	2 16	13 51	0 19	18 14	1 28	13 35	17 11	23 29	23 34	1 11		n.a.
T 21	10 5	23 17	1 2	19 49	2 32	18 24	0 42	7 28	0 48	15 15	0 38	5 11	2 16	13 52	0 19	18 15	1 27	13 36	17 11	23 29	23 34	1 8		n.a.
W22	10 26	23 25	0s10	20 6	2 30	18 46	0 45	7 23	0 45	15 19	0 38	5 9	2 16	13 53	0 19	18 15	1 27	13 36	17 11	23 29	23 34	1 5		n.a.
T 23	10 47	22 15	1 19	20 22	2 28	19 8	0 48	7 18	0 42	15 23	0 38	5 6	2 17	13 54	0 19	18 16	1 27	13 36	17 10	23 29	23 34	1 3		n.a.
F 24	11 7	19 59	2 21	20 35	2 24	19 29	0 50	7 13	0 39	15 27	0 38	5 4	2 17	13 55	0 19	18 16	1 27	13 37	17 10	23 29	23 33	1 0		n.a.
S 25	11 28	16 51	3 16	20 45	2 20	19 50	0 52	7 8	0 35	15 32	0 37	5 1	2 17	13 56	0 19	18 17	1 27	13 37	17 10	23 29	23 33	0 57		n.a.
S 26	11 48	13 4	4 1	20 54	2 15	20 11	0 55	7 4	0 32	15 36	0 37	4 59	2 17	13 57	0 19	18 17	1 27	13 38	17 10	23 29	23 33	0 54		n.a.
M27	12 9	8 49	4 35	21 0	2 9	20 31	0 57	6 59	0 29	15 40	0 37	4 56	2 17	13 59	0 19	18 18	1 27	13 38	17 9	23 29	23 33	0 52		n.a.
T 28	12 29	4 16	4 57	21 5	2 2	20 50	1 0	6 54	0 26	15 44	0 37	4 54	2 17	14 0	0 19	18 18	1 27	13 38	17 9	23 28	23 33	0 49		n.a.
W29	12 49	0s26	5 7	21 7	1 54	21 9	1 2	6 50	0 23	15 48	0 37	4 51	2 18	14 1	0 19	18 19	1 27	13 38	17 9	23 28	23 33	0 46		n.a.
T 30	13n 8	5s 8	5s 3	21n 7	1n45	21n27	1n 4	6s46	0n19	15n53	0s37	4s49	2s18	14n 2	0s19	18n19	1s27	13n39	17n 8	23s27	23s32	0n44		n.a.

Julian Day Number = 1633122.5, Delta T = 03h40m44s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'27, Lahiri = - 7°17'27 Julian Calendar 1 Apr. 242 BCE == Greg. Calendar 28 March 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

MAY 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 17 26	5♉21'14	13♎18	26♉12	1♊15	17°R29	15♉ 1	23♓22	8♉ 1	27♉ 6	5°R 2	21°R27	23♐ 1	16♍31	n.a.	F 1
S 2	14 21 23	6°18'34	25°28	26°38	2°27	17♎11	15°15	23°28	8° 4	27° 8	5♎ 1	21♐19	22°58	16°38	n.a.	S 2
S 3	14 25 19	7°15'53	7♏47	26°59	3°40	16°53	15°28	23°34	8° 8	27°10	4°59	21°12	22°55	16°44	n.a.	S 3
M 4	14 29 16	8°13'11	20°17	27°16	4°52	16°37	15°42	23°40	8°11	27°12	4°58	21° 7	22°52	16°51	n.a.	M 4
T 5	14 33 12	9°10'29	2♐57	27°28	6° 5	16°20	15°56	23°47	8°15	27°15	4°57	21° 3	22°48	16°58	n.a.	T 5
W 6	14 37 9	10° 7'46	15°49	27°35	7°17	16° 5	16° 9	23°53	8°18	27°17	4°55	21°D 2	22°45	17° 5	n.a.	W 6
T 7	14 41 6	11° 5'02	28°53	27°R38	8°29	15°50	16°23	23°59	8°22	27°19	4°54	21° 2	22°42	17°11	n.a.	T 7
F 8	14 45 2	12° 2'18	12♑11	27°37	9°42	15°35	16°37	24° 5	8°25	27°21	4°53	21° 3	22°39	17°18	n.a.	F 8
S 9	14 48 59	12°59'33	25°43	27°31	10°54	15°22	16°51	24°11	8°29	27°23	4°52	21° 4	22°36	17°25	n.a.	S 9
S 10	14 52 55	13°56'47	9♒31	27°20	12° 6	15° 9	17° 5	24°17	8°32	27°25	4°50	21°R 5	22°33	17°31	n.a.	S 10
M11	14 56 52	14°54'01	23°35	27° 6	13°18	14°56	17°18	24°23	8°36	27°28	4°49	21° 5	22°29	17°38	n.a.	M11
T 12	15 0 48	15°51'15	7♓53	26°48	14°30	14°45	17°32	24°28	8°39	27°30	4°48	21° 3	22°26	17°45	n.a.	T 12
W13	15 4 45	16°48'28	22°24	26°26	15°43	14°34	17°46	24°34	8°43	27°32	4°47	21° 0	22°23	17°52	n.a.	W13
T 14	15 8 41	17°45'41	7♈ 2	26° 1	16°55	14°24	18° 0	24°40	8°46	27°34	4°46	20°56	22°20	17°58	n.a.	T 14
F 15	15 12 38	18°42'53	21°42	25°33	18° 7	14°15	18°14	24°45	8°50	27°36	4°45	20°51	22°17	18° 5	n.a.	F 15
S 16	15 16 35	19°40'06	6♉16	25° 3	19°19	14° 7	18°27	24°51	8°53	27°39	4°43	20°47	22°13	18°12	n.a.	S 16
S 17	15 20 31	20°37'17	20°39	24°31	20°31	13°59	18°41	24°56	8°56	27°41	4°42	20°43	22°10	18°18	n.a.	S 17
M18	15 24 28	21°34'29	4♊44	23°58	21°43	13°52	18°55	25° 2	9° 0	27°43	4°41	20°41	22° 7	18°25	n.a.	M18
T 19	15 28 24	22°31'40	18°28	23°24	22°54	13°47	19° 9	25° 7	9° 3	27°45	4°40	20°D40	22° 4	18°32	n.a.	T 19
W20	15 32 21	23°28'50	1♋48	22°49	24° 6	13°42	19°22	25°12	9° 7	27°48	4°39	20°41	22° 1	18°39	n.a.	W20
T 21	15 36 17	24°25'59	14°46	22°16	25°18	13°37	19°36	25°17	9°10	27°50	4°39	20°42	21°58	18°45	n.a.	T 21
F 22	15 40 14	25°23'09	27°23	21°43	26°30	13°34	19°50	25°22	9°14	27°52	4°38	20°43	21°54	18°52	n.a.	F 22
S 23	15 44 10	26°20'17	9♌42	21°11	27°42	13°32	20° 4	25°28	9°17	27°54	4°37	20°45	21°51	18°59	n.a.	S 23
S 24	15 48 7	27°17'25	21°49	20°42	28°53	13°30	20°17	25°32	9°20	27°56	4°36	20°R46	21°48	19° 6	n.a.	S 24
M25	15 52 4	28°14'32	3♍46	20°16	0♋ 5	13°D29	20°31	25°37	9°24	27°59	4°35	20°46	21°45	19°12	n.a.	M25
T 26	15 56 0	29°11'39	15°40	19°52	1°16	13°29	20°45	25°42	9°27	28° 1	4°34	20°45	21°42	19°19	n.a.	T 26
W27	15 59 57	0♊ 8'45	27°34	19°32	2°28	13°30	20°59	25°47	9°31	28° 3	4°33	20°43	21°38	19°26	n.a.	W27
T 28	16 3 53	1° 5'51	9♎32	19°16	3°39	13°32	21°12	25°52	9°34	28° 5	4°33	20°40	21°35	19°32	n.a.	T 28
F 29	16 7 50	2° 2'57	21°39	19° 3	4°51	13°34	21°26	25°56	9°37	28° 8	4°32	20°38	21°32	19°39	n.a.	F 29
S 30	16 11 46	3° 0'02	3♏56	18°56	6° 2	13°38	21°40	26° 1	9°40	28°10	4°31	20°35	21°29	19°46	n.a.	S 30
S 31	16 15 43	3♊57'08	16♏27	18°D52	7♋14	13♎42	21♉53	26♓ 5	9♉44	28♉12	4♎31	20♐33	21♐26	19♍53	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n28	9s41	4s45	21n 5	1n35	21n45	1n 7	6s41	0n16	15n57	0s37	4s46	2s18	14n 3	0s18	18n20	1s27	13n39	17n 8	23s27	23s32	0n41		n.a.
S 2	13 47	13 54	4 15	21 0	1 25	22 2	1 9	6 37	0 13	16 1	0 37	4 44	2 18	14 4	0 18	18 20	1 27	13 39	17 8	23 26	23 32	0 38		n.a.
S 3	14 6	17 36	3 32	20 54	1 13	22 18	1 11	6 34	0 10	16 5	0 37	4 42	2 18	14 5	0 18	18 21	1 27	13 39	17 7	23 26	23 32	0 35		n.a.
M 4	14 25	20 34	2 39	20 46	1 1	22 34	1 13	6 30	0 7	16 9	0 36	4 39	2 18	14 7	0 18	18 21	1 27	13 40	17 7	23 25	23 32	0 33		n.a.
T 5	14 43	22 34	1 36	20 36	0 48	22 49	1 16	6 27	0 4	16 13	0 36	4 37	2 19	14 8	0 18	18 22	1 27	13 40	17 7	23 25	23 32	0 30		n.a.
W 6	15 2	23 26	0 28	20 24	0 34	23 4	1 18	6 23	0 0	16 17	0 36	4 35	2 19	14 9	0 18	18 22	1 27	13 40	17 6	23 25	23 31	0 27		n.a.
T 7	15 20	23 1	0n43	20 11	0 19	23 18	1 20	6 20	0s 3	16 22	0 36	4 32	2 19	14 10	0 18	18 23	1 27	13 40	17 6	23 25	23 31	0 25		n.a.
F 8	15 38	21 18	1 52	19 56	0 4	23 31	1 22	6 18	0 6	16 26	0 36	4 30	2 19	14 11	0 18	18 23	1 27	13 40	17 6	23 25	23 31	0 22		n.a.
S 9	15 55	18 21	2 57	19 39	0s12	23 43	1 24	6 15	0 9	16 30	0 36	4 28	2 19	14 12	0 18	18 24	1 27	13 41	17 5	23 25	23 31	0 19		n.a.
S 10	16 13	14 20	3 53	19 21	0 28	23 55	1 26	6 13	0 12	16 34	0 36	4 26	2 20	14 14	0 18	18 24	1 27	13 41	17 5	23 25	23 31	0 16		n.a.
M11	16 30	9 28	4 36	19 1	0 44	24 7	1 27	6 11	0 15	16 38	0 36	4 24	2 20	14 15	0 18	18 25	1 27	13 41	17 4	23 25	23 31	0 14		n.a.
T 12	16 47	4 2	5 3	18 41	1 1	24 17	1 29	6 9	0 18	16 42	0 36	4 21	2 20	14 16	0 18	18 25	1 27	13 41	17 4	23 25	23 30	0 11		n.a.
W13	17 3	1n42	5 11	18 19	1 18	24 27	1 31	6 8	0 21	16 46	0 36	4 19	2 20	14 17	0 18	18 26	1 27	13 41	17 4	23 25	23 30	0 8		n.a.
T 14	17 20	7 23	4 59	17 57	1 35	24 37	1 33	6 6	0 24	16 50	0 35	4 17	2 20	14 18	0 18	18 26	1 27	13 41	17 3	23 25	23 30	0 6		n.a.
F 15	17 36	12 41	4 28	17 34	1 52	24 45	1 34	6 6	0 27	16 54	0 35	4 15	2 21	14 19	0 18	18 27	1 27	13 41	17 3	23 24	23 30	0 3		n.a.
S 16	17 52	17 12	3 39	17 11	2 8	24 53	1 36	6 5	0 29	16 58	0 35	4 13	2 21	14 20	0 18	18 28	1 27	13 41	17 2	23 24	23 30	0 0		n.a.
S 17	18 7	20 39	2 37	16 48	2 24	25 0	1 37	6 5	0 32	17 2	0 35	4 11	2 21	14 21	0 18	18 28	1 27	13 41	17 2	23 24	23 29	0s 2		n.a.
M18	18 22	22 45	1 26	16 25	2 39	25 6	1 39	6 4	0 35	17 5	0 35	4 9	2 21	14 23	0 18	18 29	1 27	13 41	17 1	23 24	23 29	0 5		n.a.
T 19	18 37	23 25	0 12	16 2	2 54	25 12	1 40	6 5	0 38	17 9	0 35	4 7	2 21	14 24	0 18	18 29	1 27	13 41	17 1	23 23	23 29	0 8		n.a.
W20	18 52	22 42	1s 1	15 40	3 8	25 17	1 42	6 5	0 40	17 13	0 35	4 5	2 22	14 25	0 18	18 30	1 27	13 41	17 0	23 24	23 29	0 11		n.a.
T 21	19 6	20 46	2 8	15 20	3 20	25 21	1 43	6 6	0 43	17 17	0 35	4 4	2 22	14 26	0 18	18 30	1 27	13 41	17 0	23 24	23 29	0 13		n.a.
F 22	19 20	17 52	3 8	15 0	3 32	25 25	1 44	6 7	0 46	17 21	0 35	4 2	2 22	14 27	0 18	18 31	1 27	13 41	17 0	23 24	23 28	0 16		n.a.
S 23	19 34	14 13	3 57	14 42	3 42	25 27	1 45	6 8	0 48	17 25	0 35	4 0	2 22	14 28	0 18	18 31	1 27	13 41	16 59	23 24	23 28	0 19		n.a.
S 24	19 47	10 4	4 35	14 26	3 51	25 29	1 46	6 10	0 51	17 29	0 35	3 58	2 23	14 29	0 18	18 32	1 27	13 41	16 59	23 24	23 28	0 21		n.a.
M25	20 0	5 34	5 1	14 11	3 59	25 31	1 47	6 12	0 53	17 32	0 34	3 56	2 23	14 30	0 18	18 32	1 27	13 40	16 58	23 24	23 28	0 24		n.a.
T 26	20 13	0 55	5 13	13 59	4 5	25 31	1 48	6 14	0 56	17 36	0 34	3 55	2 23	14 31	0 18	18 33	1 27	13 40	16 58	23 24	23 28	0 27		n.a.
W27	20 25	3s47	5 12	13 49	4 10	25 31	1 49	6 17	0 58	17 40	0 34	3 53	2 23	14 32	0 18	18 33	1 27	13 40	16 57	23 24	23 27	0 29		n.a.
T 28	20 37	8 22	4 58	13 41	4 13	25 30	1 50	6 19	1 0	17 43	0 34	3 51	2 24	14 34	0 18	18 34	1 27	13 40	16 57	23 24	23 27	0 32		n.a.
F 29	20 49	12 42	4 30	13 36	4 15	25 28	1 50	6 22	1 2	17 47	0 34	3 50	2 24	14 35	0 18	18 34	1 27	13 40	16 56	23 23	23 27	0 35		n.a.
S 30	21 0	16 34	3 49	13 33	4 16	25 26	1 51	6 26	1 5	17 51	0 34	3 48	2 24	14 36	0 18	18 35	1 27	13 40	16 55	23 23	23 27	0 37		n.a.
S 31	21n11	19s46	2s57	13n33	4s16	25n23	1n52	6s29	1s 7	17n54	0s34	3s47	2s24	14n37	0s18	18n35	1s27	13n39	16n55	23s23	23s27	0s40		n.a.

Julian Day Number = 1633152.5, Delta T = 03h40m43s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'23, Lahiri = - 7°17'23 Julian Calendar 1 May 242 BCE == Greg. Calendar 27 Apr. 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

JUNE 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 19 39	4♊54'13	29♏11	18♉54	8♋25	13♎47	22♉ 7	26♓ 9	9♉47	28♉14	4°R30	20°R31	21♐23	19♍59	n.a.	M 1
T 2	16 23 36	5°51'18	12♐11	19° 0	9°36	13°52	22°20	26°14	9°50	28°17	4♎30	20♐30	21°19	20° 6	n.a.	T 2
W 3	16 27 33	6°48'23	25°24	19°12	10°47	13°59	22°34	26°18	9°54	28°19	4°29	20°D30	21°16	20°13	n.a.	W 3
T 4	16 31 29	7°45'29	8♑52	19°28	11°58	14° 6	22°47	26°22	9°57	28°21	4°28	20°31	21°13	20°20	n.a.	T 4
F 5	16 35 26	8°42'35	22°32	19°49	13° 9	14°14	23° 1	26°26	10° 0	28°23	4°28	20°31	21°10	20°26	n.a.	F 5
S 6	16 39 22	9°39'41	6♒23	20°16	14°20	14°23	23°14	26°30	10° 3	28°25	4°28	20°32	21° 7	20°33	n.a.	S 6
S 7	16 43 19	10°36'47	20°24	20°47	15°31	14°32	23°28	26°34	10° 6	28°28	4°27	20°33	21° 4	20°40	n.a.	S 7
M 8	16 47 15	11°33'54	4♓32	21°23	16°42	14°42	23°41	26°37	10° 9	28°30	4°27	20°34	21° 0	20°46	n.a.	M 8
T 9	16 51 12	12°31'01	18°46	22° 5	17°53	14°53	23°55	26°41	10°12	28°32	4°26	20°R34	20°57	20°53	n.a.	T 9
W10	16 55 9	13°28'09	3♈ 2	22°51	19° 4	15° 4	24° 8	26°45	10°16	28°34	4°26	20°33	20°54	21° 0	n.a.	W10
T 11	16 59 5	14°25'18	17°19	23°42	20°15	15°17	24°21	26°48	10°19	28°36	4°26	20°33	20°51	21° 7	n.a.	T 11
F 12	17 3 2	15°22'27	1♉33	24°38	21°25	15°29	24°35	26°51	10°22	28°39	4°25	20°32	20°48	21°13	n.a.	F 12
S 13	17 6 58	16°19'37	15°40	25°38	22°36	15°43	24°48	26°55	10°25	28°41	4°25	20°32	20°44	21°20	n.a.	S 13
S 14	17 10 55	17°16'48	29°37	26°43	23°46	15°57	25° 1	26°58	10°28	28°43	4°25	20°31	20°41	21°27	n.a.	S 14
M15	17 14 51	18°13'59	13♊19	27°53	24°57	16°12	25°14	27° 1	10°31	28°45	4°25	20°31	20°38	21°34	n.a.	M15
T 16	17 18 48	19°11'10	26°46	29° 7	26° 7	16°28	25°27	27° 4	10°34	28°47	4°25	20°D31	20°35	21°40	n.a.	T 16
W17	17 22 44	20° 8'23	9♋55	0♊26	27°18	16°44	25°41	27° 7	10°36	28°49	4°25	20°R31	20°32	21°47	n.a.	W17
T 18	17 26 41	21° 5'35	22°46	1°49	28°28	17° 0	25°54	27°10	10°39	28°51	4°25	20°31	20°29	21°54	n.a.	T 18
F 19	17 30 38	22° 2'48	5♌20	3°16	29°38	17°18	26° 7	27°13	10°42	28°53	4°D25	20°31	20°25	22° 0	n.a.	F 19
S 20	17 34 34	23° 0'01	17°38	4°48	0♌48	17°36	26°20	27°15	10°45	28°56	4°25	20°31	20°22	22° 7	n.a.	S 20
S 21	17 38 31	23°57'15	29°45	6°23	1°58	17°54	26°33	27°18	10°48	28°58	4°25	20°30	20°19	22°14	n.a.	S 21
M22	17 42 27	24°54'29	11♍43	8° 2	3° 8	18°13	26°46	27°20	10°51	29° 0	4°25	20°30	20°16	22°21	n.a.	M22
T 23	17 46 24	25°51'43	23°37	9°45	4°18	18°33	26°58	27°22	10°53	29° 2	4°25	20°D30	20°13	22°27	n.a.	T 23
W24	17 50 20	26°48'58	5♎31	11°32	5°28	18°53	27°11	27°25	10°56	29° 4	4°25	20°30	20°10	22°34	n.a.	W24
T 25	17 54 17	27°46'14	17°30	13°21	6°38	19°14	27°24	27°27	10°59	29° 6	4°25	20°30	20° 6	22°41	n.a.	T 25
F 26	17 58 13	28°43'30	29°38	15°14	7°48	19°35	27°37	27°29	11° 1	29° 8	4°25	20°31	20° 3	22°47	n.a.	F 26
S 27	18 2 10	29°40'47	12♏ 0	17° 9	8°57	19°57	27°49	27°31	11° 4	29°10	4°26	20°32	20° 0	22°54	n.a.	S 27
S 28	18 6 7	0♋38'04	24°38	19° 7	10° 7	20°19	28° 2	27°33	11° 6	29°12	4°26	20°33	19°57	23° 1	n.a.	S 28
M29	18 10 3	1°35'22	7♐34	21° 7	11°16	20°42	28°14	27°34	11° 9	29°14	4°26	20°34	19°54	23° 8	n.a.	M29
T 30	18 14 0	2♋32'41	20♐51	23♊ 8	12♌25	21♎ 5	28♉27	27♓36	11♉11	29♉16	4♎27	20°R34	19♐50	23♍14	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n22	22s 5	1s55	13n35	4s14	25n19	1n52	6s33	1s 9	17n58	0s34	3s45	2s25	14n38	0s18	18n36	1s27	13n39	16n54	23s23	23s26	0s43		n.a.
T 2	21 32	23 17	0 46	13 40	4 11	25 14	1 52	6 37	1 11	18 2	0 34	3 44	2 25	14 39	0 18	18 36	1 27	13 39	16 54	23 23	23 26	0 45		n.a.
W 3	21 42	23 12	0n27	13 47	4 7	25 9	1 53	6 42	1 13	18 5	0 34	3 42	2 25	14 40	0 18	18 37	1 27	13 39	16 53	23 23	23 26	0 48		n.a.
T 4	21 52	21 46	1 40	13 56	4 1	25 3	1 53	6 47	1 15	18 9	0 34	3 41	2 25	14 41	0 18	18 37	1 27	13 38	16 53	23 23	23 26	0 51		n.a.
F 5	22 1	19 3	2 48	14 8	3 55	24 56	1 53	6 51	1 17	18 12	0 34	3 39	2 26	14 42	0 18	18 38	1 27	13 38	16 52	23 23	23 26	0 53		n.a.
S 6	22 10	15 14	3 47	14 21	3 48	24 49	1 53	6 57	1 19	18 16	0 34	3 38	2 26	14 43	0 18	18 38	1 27	13 38	16 52	23 23	23 25	0 56		n.a.
S 7	22 18	10 32	4 34	14 37	3 40	24 41	1 53	7 2	1 21	18 19	0 33	3 37	2 26	14 44	0 18	18 39	1 27	13 37	16 51	23 23	23 25	0 59		n.a.
M 8	22 26	5 15	5 4	14 55	3 32	24 32	1 53	7 8	1 23	18 23	0 33	3 35	2 26	14 45	0 18	18 39	1 27	13 37	16 51	23 23	23 25	1 1		n.a.
T 9	22 34	0n21	5 16	15 15	3 22	24 22	1 53	7 14	1 24	18 26	0 33	3 34	2 27	14 46	0 18	18 40	1 27	13 37	16 50	23 23	23 25	1 4		n.a.
W10	22 41	5 56	5 9	15 36	3 12	24 12	1 52	7 20	1 26	18 29	0 33	3 33	2 27	14 47	0 18	18 40	1 27	13 36	16 49	23 23	23 24	1 7		n.a.
T 11	22 48	11 13	4 43	15 59	3 1	24 1	1 52	7 26	1 28	18 33	0 33	3 32	2 27	14 48	0 18	18 41	1 27	13 36	16 49	23 23	23 24	1 9		n.a.
F 12	22 55	15 53	3 59	16 24	2 50	23 50	1 51	7 33	1 30	18 36	0 33	3 31	2 27	14 49	0 18	18 41	1 27	13 35	16 48	23 23	23 24	1 12		n.a.
S 13	23 1	19 37	3 1	16 50	2 39	23 37	1 51	7 39	1 31	18 40	0 33	3 30	2 28	14 50	0 18	18 42	1 27	13 35	16 48	23 23	23 24	1 15		n.a.
S 14	23 6	22 9	1 53	17 17	2 27	23 25	1 50	7 46	1 33	18 43	0 33	3 29	2 28	14 51	0 18	18 42	1 27	13 35	16 47	23 23	23 24	1 17		n.a.
M15	23 12	23 20	0 40	17 45	2 14	23 11	1 49	7 54	1 34	18 46	0 33	3 28	2 28	14 52	0 18	18 42	1 27	13 34	16 47	23 23	23 23	1 20		n.a.
T 16	23 17	23 6	0s35	18 14	2 1	22 57	1 48	8 1	1 36	18 49	0 33	3 27	2 29	14 53	0 18	18 43	1 27	13 34	16 46	23 23	23 23	1 23		n.a.
W17	23 21	21 36	1 45	18 43	1 49	22 42	1 47	8 9	1 37	18 53	0 33	3 26	2 29	14 53	0 18	18 43	1 27	13 33	16 45	23 23	23 23	1 25		n.a.
T 18	23 25	19 0	2 49	19 13	1 35	22 27	1 46	8 16	1 39	18 56	0 33	3 25	2 29	14 54	0 18	18 44	1 27	13 33	16 45	23 23	23 23	1 28		n.a.
F 19	23 29	15 33	3 44	19 43	1 22	22 11	1 45	8 24	1 40	18 59	0 33	3 24	2 29	14 55	0 18	18 44	1 27	13 32	16 44	23 23	23 22	1 31		n.a.
S 20	23 32	11 30	4 26	20 13	1 9	21 54	1 44	8 33	1 41	19 2	0 33	3 23	2 30	14 56	0 18	18 45	1 27	13 32	16 44	23 23	23 22	1 33		n.a.
S 21	23 35	7 4	4 56	20 43	0 56	21 37	1 43	8 41	1 43	19 5	0 33	3 23	2 30	14 57	0 18	18 45	1 27	13 31	16 43	23 23	23 22	1 36		n.a.
M22	23 37	2 26	5 13	21 12	0 43	21 20	1 41	8 50	1 44	19 8	0 33	3 22	2 30	14 58	0 18	18 46	1 27	13 30	16 43	23 23	23 22	1 39		n.a.
T 23	23 39	2s16	5 16	21 41	0 30	21 1	1 40	8 58	1 45	19 11	0 32	3 21	2 31	14 59	0 18	18 46	1 27	13 30	16 42	23 23	23 21	1 41		n.a.
W24	23 41	6 53	5 6	22 9	0 17	20 43	1 38	9 7	1 46	19 14	0 32	3 21	2 31	15 0	0 18	18 46	1 27	13 29	16 41	23 23	23 21	1 44		n.a.
T 25	23 42	11 17	4 42	22 35	0 5	20 23	1 36	9 16	1 48	19 17	0 32	3 20	2 31	15 0	0 18	18 47	1 27	13 29	16 41	23 23	23 21	1 46		n.a.
F 26	23 43	15 18	4 6	23 0	0n 7	20 3	1 34	9 26	1 49	19 20	0 32	3 19	2 31	15 1	0 18	18 47	1 27	13 28	16 40	23 23	23 21	1 49		n.a.
S 27	23 43	18 45	3 18	23 24	0 18	19 43	1 33	9 35	1 50	19 23	0 32	3 19	2 32	15 2	0 18	18 48	1 27	13 27	16 40	23 23	23 21	1 52		n.a.
S 28	23 43	21 23	2 19	23 45	0 29	19 22	1 31	9 44	1 51	19 26	0 32	3 18	2 32	15 3	0 18	18 48	1 27	13 27	16 39	23 23	23 20	1 54		n.a.
M29	23 43	23 0	1 11	24 5	0 39	19 1	1 28	9 54	1 52	19 29	0 32	3 18	2 32	15 4	0 18	18 49	1 27	13 26	16 38	23 23	23 20	1 57		n.a.
T 30	23n42	23s23	0n 2	24n22	0n49	18n39	1n26	10s 4	1s53	19n32	0s32	3s18	2s33	15n 4	0s18	18n49	1s27	13n25	16n38	23s23	23s20	2s 0		n.a.

Julian Day Number = 1633183.5, Delta T = 03h40m42s
Ecliptic obliquity = 23°43'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'19, Lahiri = - 7°17'18 Julian Calendar 1 June 242 BCE == Greg. Calendar 28 May 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

JULY 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 17 56	3♋30'01	4♉27	25♊11	13♌35	21♎29	28♑39	27♓38	11♉14	29♉18	4♎27	20°R33	19♐47	23♍21	n.a.	W 1
T 2	18 21 53	4°27'22	18°20	27°15	14°44	21°53	28°52	27°39	11°16	29°19	4°27	20♐33	19°44	23°28	n.a.	T 2
F 3	18 25 49	5°24'44	2♒28	29°19	15°53	22°17	29° 4	27°40	11°19	29°21	4°28	20°31	19°41	23°35	n.a.	F 3
S 4	18 29 46	6°22'07	16°45	1♋24	17° 2	22°43	29°16	27°42	11°21	29°23	4°28	20°29	19°38	23°41	n.a.	S 4
S 5	18 33 43	7°19'32	1♓ 8	3°29	18°11	23° 8	29°28	27°43	11°23	29°25	4°29	20°27	19°35	23°48	n.a.	S 5
M 6	18 37 39	8°16'57	15°31	5°34	19°19	23°34	29°41	27°44	11°26	29°27	4°29	20°25	19°31	23°55	n.a.	M 6
T 7	18 41 36	9°14'24	29°50	7°39	20°28	24° 0	29°53	27°45	11°28	29°29	4°30	20°24	19°28	24° 1	n.a.	T 7
W 8	18 45 32	10°11'53	14♈ 3	9°43	21°37	24°27	0♊ 5	27°45	11°30	29°31	4°31	20°D24	19°25	24° 8	n.a.	W 8
T 9	18 49 29	11° 9'23	28° 7	11°46	22°45	24°54	0°17	27°46	11°32	29°32	4°31	20°25	19°22	24°15	n.a.	T 9
F 10	18 53 25	12° 6'55	12♉ 1	13°48	23°53	25°21	0°28	27°47	11°34	29°34	4°32	20°26	19°19	24°22	n.a.	F 10
S 11	18 57 22	13° 4'28	25°43	15°50	25° 2	25°49	0°40	27°47	11°36	29°36	4°33	20°27	19°16	24°28	n.a.	S 11
S 12	19 1 18	14° 2'03	9♊13	17°50	26°10	26°18	0°52	27°48	11°39	29°38	4°33	20°29	19°12	24°35	n.a.	S 12
M13	19 5 15	14°59'39	22°30	19°49	27°18	26°46	1° 4	27°48	11°41	29°39	4°34	20°R29	19° 9	24°42	n.a.	M13
T 14	19 9 12	15°57'17	5♋35	21°46	28°26	27°15	1°15	27°48	11°42	29°41	4°35	20°28	19° 6	24°49	n.a.	T 14
W15	19 13 8	16°54'56	18°26	23°43	29°34	27°45	1°27	27°R48	11°44	29°43	4°36	20°26	19° 3	24°55	n.a.	W15
T 16	19 17 5	17°52'36	1♌ 4	25°37	0♍41	28°14	1°38	27°48	11°46	29°44	4°37	20°23	19° 0	25° 2	n.a.	T 16
F 17	19 21 1	18°50'18	13°30	27°31	1°49	28°45	1°49	27°48	11°48	29°46	4°38	20°18	18°56	25° 9	n.a.	F 17
S 18	19 24 58	19°48'01	25°43	29°23	2°56	29°15	2° 1	27°48	11°50	29°47	4°39	20°13	18°53	25°15	n.a.	S 18
S 19	19 28 54	20°45'45	7♍47	1♌14	4° 4	29°46	2°12	27°47	11°52	29°49	4°40	20° 8	18°50	25°22	n.a.	S 19
M20	19 32 51	21°43'31	19°44	3° 3	5°11	0♏17	2°23	27°47	11°53	29°51	4°41	20° 4	18°47	25°29	n.a.	M20
T 21	19 36 47	22°41'18	1♎36	4°51	6°18	0°48	2°34	27°46	11°55	29°52	4°42	20° 1	18°44	25°36	n.a.	T 21
W22	19 40 44	23°39'06	13°29	6°37	7°25	1°20	2°45	27°46	11°57	29°54	4°43	19°59	18°41	25°42	n.a.	W22
T 23	19 44 41	24°36'55	25°26	8°22	8°31	1°52	2°56	27°45	11°58	29°55	4°44	19°D58	18°37	25°49	n.a.	T 23
F 24	19 48 37	25°34'46	7♏32	10° 6	9°38	2°24	3° 6	27°44	12° 0	29°56	4°45	19°59	18°34	25°56	n.a.	F 24
S 25	19 52 34	26°32'38	19°53	11°48	10°44	2°57	3°17	27°43	12° 1	29°58	4°46	20° 0	18°31	26° 3	n.a.	S 25
S 26	19 56 30	27°30'32	2♐32	13°29	11°51	3°30	3°28	27°42	12° 3	29°59	4°48	20° 2	18°28	26° 9	n.a.	S 26
M27	20 0 27	28°28'27	15°33	15° 9	12°57	4° 3	3°38	27°41	12° 4	0♊ 1	4°49	20°R 3	18°25	26°16	n.a.	M27
T 28	20 4 23	29°26'24	28°59	16°47	14° 3	4°37	3°48	27°39	12° 5	0° 2	4°50	20° 2	18°22	26°23	n.a.	T 28
W29	20 8 20	0♑24'22	12♉51	18°24	15° 8	5°10	3°59	27°38	12° 7	0° 3	4°51	20° 0	18°18	26°29	n.a.	W29
T 30	20 12 16	1°22'22	27° 5	20° 0	16°14	5°44	4° 9	27°37	12° 8	0° 5	4°53	19°57	18°15	26°36	n.a.	T 30
F 31	20 16 13	2♑20'23	11♒38	21♌34	17♍19	6♏18	4♊19	27♓35	12♉ 9	0♊ 6	4♎54	19♐51	18♐12	26♍43	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23n41	22s23	1n16	24n36	0n58	18n17	1n24	10s14	1s54	19n35	0s32	3s17	2s33	15n 5	0s18	18n49	1s27	13n25	16n37	23s23	23s20	2s 2			n.a.
T 2	23 39	20 1	2 27	24 48	1 6	17 54	1 22	10 24	1 55	19 37	0 32	3 17	2 33	15 6	0 18	18 50	1 27	13 24	16 37	23 23	23 19	2 5			n.a.
F 3	23 37	16 25	3 31	24 57	1 14	17 31	1 19	10 34	1 56	19 40	0 32	3 17	2 33	15 7	0 18	18 50	1 27	13 23	16 36	23 23	23 19	2 8			n.a.
S 4	23 34	11 50	4 22	25 4	1 21	17 8	1 16	10 45	1 57	19 43	0 32	3 16	2 34	15 7	0 18	18 51	1 27	13 23	16 35	23 23	23 19	2 10			n.a.
S 5	23 31	6 34	4 58	25 7	1 27	16 44	1 14	10 55	1 58	19 46	0 32	3 16	2 34	15 8	0 18	18 51	1 27	13 22	16 35	23 23	23 19	2 13			n.a.
M 6	23 28	0 57	5 14	25 8	1 32	16 19	1 11	11 5	1 59	19 48	0 32	3 16	2 34	15 9	0 18	18 51	1 27	13 21	16 34	23 22	23 18	2 15			n.a.
T 7	23 24	4n41	5 11	25 6	1 36	15 55	1 8	11 16	2 0	19 51	0 32	3 16	2 35	15 10	0 18	18 52	1 27	13 20	16 34	23 22	23 18	2 18			n.a.
W 8	23 20	10 2	4 49	25 2	1 40	15 30	1 5	11 27	2 0	19 53	0 32	3 16	2 35	15 10	0 18	18 52	1 27	13 19	16 33	23 22	23 18	2 21			n.a.
T 9	23 15	14 48	4 10	24 54	1 43	15 4	1 2	11 38	2 1	19 56	0 32	3 16	2 35	15 11	0 18	18 52	1 27	13 19	16 32	23 22	23 18	2 23			n.a.
F 10	23 10	18 43	3 16	24 45	1 45	14 38	0 59	11 49	2 2	19 59	0 32	3 16	2 36	15 12	0 18	18 53	1 27	13 18	16 32	23 22	23 17	2 26			n.a.
S 11	23 4	21 33	2 12	24 32	1 47	14 12	0 56	12 0	2 3	20 1	0 32	3 16	2 36	15 12	0 18	18 53	1 27	13 17	16 31	23 23	23 17	2 28			n.a.
S 12	22 58	23 7	1 2	24 18	1 48	13 46	0 52	12 11	2 3	20 4	0 32	3 16	2 36	15 13	0 18	18 53	1 27	13 16	16 31	23 23	23 17	2 31			n.a.
M13	22 52	23 19	0s11	24 1	1 48	13 19	0 49	12 22	2 4	20 6	0 31	3 16	2 36	15 13	0 18	18 54	1 27	13 15	16 30	23 23	23 16	2 34			n.a.
T 14	22 45	22 14	1 22	23 42	1 47	12 52	0 45	12 33	2 5	20 9	0 31	3 17	2 37	15 14	0 18	18 54	1 27	13 15	16 30	23 23	23 16	2 36			n.a.
W15	22 38	20 0	2 27	23 22	1 47	12 25	0 42	12 45	2 5	20 11	0 31	3 17	2 37	15 15	0 18	18 54	1 27	13 14	16 29	23 22	23 16	2 39			n.a.
T 16	22 31	16 50	3 24	22 59	1 45	11 57	0 38	12 56	2 6	20 13	0 31	3 17	2 37	15 15	0 18	18 55	1 27	13 13	16 28	23 22	23 16	2 41			n.a.
F 17	22 23	12 58	4 10	22 35	1 43	11 29	0 34	13 7	2 7	20 16	0 31	3 17	2 38	15 16	0 18	18 55	1 27	13 12	16 28	23 22	23 15	2 44			n.a.
S 18	22 15	8 38	4 44	22 9	1 40	11 1	0 30	13 19	2 7	20 18	0 31	3 18	2 38	15 16	0 18	18 55	1 27	13 11	16 27	23 22	23 15	2 47			n.a.
S 19	22 6	4 2	5 5	21 42	1 37	10 33	0 27	13 31	2 8	20 20	0 31	3 18	2 38	15 17	0 18	18 56	1 27	13 10	16 27	23 21	23 15	2 49			n.a.
M20	21 57	0s39	5 12	21 14	1 34	10 4	0 22	13 42	2 8	20 22	0 31	3 19	2 38	15 17	0 18	18 56	1 27	13 9	16 26	23 21	23 15	2 52			n.a.
T 21	21 47	5 18	5 6	20 44	1 30	9 36	0 18	13 54	2 9	20 25	0 31	3 19	2 39	15 18	0 18	18 56	1 28	13 8	16 26	23 21	23 14	2 54			n.a.
W22	21 38	9 46	4 46	20 13	1 25	9 7	0 14	14 6	2 9	20 27	0 31	3 20	2 39	15 18	0 18	18 57	1 28	13 7	16 25	23 20	23 14	2 57			n.a.
T 23	21 27	13 53	4 14	19 41	1 21	8 37	0 10	14 17	2 10	20 29	0 31	3 20	2 39	15 19	0 18	18 57	1 28	13 6	16 25	23 20	23 14	3 0			n.a.
F 24	21 17	17 30	3 31	19 8	1 16	8 8	0 6	14 29	2 10	20 31	0 31	3 21	2 40	15 19	0 18	18 57	1 28	13 5	16 24	23 20	23 14	3 2			n.a.
S 25	21 6	20 26	2 37	18 35	1 10	7 39	0 1	14 41	2 11	20 33	0 31	3 21	2 40	15 20	0 18	18 57	1 28	13 5	16 23	23 21	23 13	3 5			n.a.
S 26	20 54	22 27	1 34	18 0	1 5	7 9	0s 3	14 53	2 11	20 35	0 31	3 22	2 40	15 20	0 19	18 58	1 28	13 4	16 23	23 21	23 13	3 7			n.a.
M27	20 43	23 20	0 24	17 25	0 59	6 39	0 8	15 5	2 11	20 37	0 31	3 23	2 40	15 21	0 19	18 58	1 28	13 3	16 22	23 21	23 13	3 10			n.a.
T 28	20 31	22 55	0n48	16 49	0 52	6 9	0 13	15 16	2 12	20 39	0 31	3 24	2 41	15 21	0 19	18 58	1 28	13 2	16 22	23 21	23 12	3 13			n.a.
W29	20 18	21 6	2 0	16 13	0 46	5 39	0 17	15 28	2 12	20 41	0 31	3 25	2 41	15 21	0 19	18 58	1 28	13 1	16 21	23 21	23 12	3 15			n.a.
T 30	20 5	17 56	3 7	15 36	0 39	5 9	0 22	15 40	2 12	20 43	0 31	3 25	2 41	15 22	0 19	18 59	1 28	13 0	16 21	23 20	23 12	3 18			n.a.
F 31	19n52	13s37	4n 3	14n59	0n32	4n39	0s27	15s52	2s13	20n45	0s31	3s26	2s42	15n22	0s19	18n59	1s28	12n59	16n20	23s20	23s12	3s20			n.a.

Julian Day Number = 1633213.5, Delta T = 03h40m41s
Ecliptic obliquity = 23°43'26, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'15, Lahiri = - 7°17'14 Julian Calendar 1 July 242 BCE == Greg. Calendar 27 June 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

AUGUST 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 20 10	3♌18'26	26♒23	23♌ 7	18♍24	6♏53	4♊29	27°R33	12♉10	0♊ 7	4♎55	19°R45	18♐ 9	26♍50	n.a.	S 1
S 2	20 24 6	4°16'31	11♓13	24°39	19°29	7°28	4°39	27♓31	12°11	0° 8	4°57	19♐38	18° 6	26°56	n.a.	S 2
M 3	20 28 3	5°14'38	25°58	26°10	20°34	8° 3	4°48	27°30	12°12	0° 9	4°58	19°32	18° 2	27° 3	n.a.	M 3
T 4	20 31 59	6°12'47	10♈33	27°39	21°39	8°38	4°58	27°28	12°13	0°11	5° 0	19°28	17°59	27°10	n.a.	T 4
W 5	20 35 56	7°10'58	24°53	29° 7	22°43	9°13	5° 7	27°25	12°14	0°12	5° 1	19°25	17°56	27°16	n.a.	W 5
T 6	20 39 52	8° 9'12	8♉54	0♍33	23°47	9°49	5°17	27°23	12°15	0°13	5° 3	19°D25	17°53	27°23	n.a.	T 6
F 7	20 43 49	9° 7'27	22°38	1°58	24°51	10°25	5°26	27°21	12°16	0°14	5° 4	19°25	17°50	27°30	n.a.	F 7
S 8	20 47 45	10° 5'45	6♊ 4	3°22	25°55	11° 1	5°35	27°19	12°17	0°15	5° 6	19°26	17°47	27°37	n.a.	S 8
S 9	20 51 42	11° 4'05	19°14	4°45	26°59	11°38	5°44	27°16	12°17	0°16	5° 8	19°R27	17°43	27°43	n.a.	S 9
M10	20 55 39	12° 2'28	2♋10	6° 6	28° 2	12°14	5°53	27°14	12°18	0°17	5° 9	19°26	17°40	27°50	n.a.	M10
T 11	20 59 35	13° 0'52	14°54	7°26	29° 5	12°51	6° 2	27°11	12°19	0°18	5°11	19°23	17°37	27°57	n.a.	T 11
W12	21 3 32	13°59'18	27°27	8°44	0♎ 8	13°28	6°11	27° 8	12°19	0°19	5°13	19°18	17°34	28° 4	n.a.	W12
T 13	21 7 28	14°57'47	9♌50	10° 0	1°10	14° 5	6°19	27° 5	12°20	0°20	5°14	19°10	17°31	28°10	n.a.	T 13
F 14	21 11 25	15°56'17	22° 4	11°15	2°13	14°43	6°28	27° 2	12°20	0°20	5°16	19° 0	17°28	28°17	n.a.	F 14
S 15	21 15 21	16°54'49	4♍10	12°28	3°15	15°20	6°36	26°59	12°21	0°21	5°18	18°49	17°24	28°24	n.a.	S 15
S 16	21 19 18	17°53'24	16° 9	13°40	4°16	15°58	6°44	26°56	12°21	0°22	5°20	18°38	17°21	28°30	n.a.	S 16
M17	21 23 14	18°52'00	28° 3	14°50	5°18	16°36	6°52	26°53	12°22	0°23	5°21	18°28	17°18	28°37	n.a.	M17
T 18	21 27 11	19°50'38	9♎54	15°57	6°19	17°14	7° 0	26°50	12°22	0°23	5°23	18°19	17°15	28°44	n.a.	T 18
W19	21 31 7	20°49'17	21°44	17° 3	7°20	17°53	7° 8	26°46	12°22	0°24	5°25	18°12	17°12	28°51	n.a.	W19
T 20	21 35 4	21°47'59	3♏39	18° 6	8°20	18°31	7°16	26°43	12°22	0°25	5°27	18° 8	17° 8	28°57	n.a.	T 20
F 21	21 39 1	22°46'43	15°42	19° 7	9°20	19°10	7°23	26°39	12°22	0°25	5°29	18° 7	17° 5	29° 4	n.a.	F 21
S 22	21 42 57	23°45'28	27°59	20° 5	10°20	19°49	7°31	26°36	12°22	0°26	5°31	18°D 6	17° 2	29°11	n.a.	S 22
S 23	21 46 54	24°44'15	10♐34	21° 1	11°19	20°28	7°38	26°32	12°R22	0°26	5°33	18° 7	16°59	29°17	n.a.	S 23
M24	21 50 50	25°43'04	23°32	21°54	12°18	21° 7	7°45	26°28	12°22	0°27	5°35	18°R 7	16°56	29°24	n.a.	M24
T 25	21 54 47	26°41'55	6♑57	22°43	13°17	21°47	7°52	26°25	12°22	0°27	5°37	18° 5	16°53	29°31	n.a.	T 25
W26	21 58 43	27°40'48	20°52	23°30	14°15	22°26	7°58	26°21	12°22	0°28	5°39	18° 2	16°49	29°38	n.a.	W26
T 27	22 2 40	28°39'43	5♒15	24°12	15°13	23° 6	8° 5	26°17	12°22	0°28	5°41	17°55	16°46	29°44	n.a.	T 27
F 28	22 6 36	29°38'39	20° 3	24°50	16°10	23°46	8°12	26°13	12°22	0°29	5°43	17°47	16°43	29°51	n.a.	F 28
S 29	22 10 33	0♍37'38	5♓ 8	25°24	17° 7	24°26	8°18	26° 9	12°22	0°29	5°45	17°37	16°40	29°58	n.a.	S 29
S 30	22 14 30	1°36'39	20°20	25°54	18° 4	25° 6	8°24	26° 5	12°21	0°29	5°47	17°26	16°37	0♎ 5	n.a.	S 30
M31	22 18 26	2♍35'42	5♈28	26♍18	19♎ 0	25♏46	8♊30	26♓ 1	12♉21	0♊30	5♎49	17♐16	16♐33	0♎11	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n39	8s26	4n43	14n22	0n25	4n 9	0s32	16s 4	2s13	20n47	0s31	3s27	2s42	15n23	0s19	18n59	1s28	12n58	16n20	23s19	23s11	3s23		n.a.
S 2	19 25	2 45	5 5	13 44	0 17	3 38	0 37	16 16	2 13	20 49	0 31	3 28	2 42	15 23	0 19	18 59	1 28	12 57	16 19	23 19	23 11	3 25		n.a.
M 3	19 11	3n 3	5 6	13 6	0 10	3 8	0 42	16 28	2 14	20 51	0 31	3 29	2 42	15 23	0 19	19 0	1 28	12 56	16 19	23 18	23 11	3 28		n.a.
T 4	18 57	8 37	4 48	12 28	0 2	2 38	0 47	16 39	2 14	20 53	0 31	3 30	2 43	15 23	0 19	19 0	1 28	12 54	16 18	23 18	23 10	3 31		n.a.
W 5	18 42	13 38	4 11	11 50	0s 6	2 7	0 53	16 51	2 14	20 54	0 31	3 31	2 43	15 24	0 19	19 0	1 28	12 53	16 18	23 18	23 10	3 33		n.a.
T 6	18 27	17 48	3 21	11 11	0 14	1 37	0 58	17 3	2 14	20 56	0 31	3 32	2 43	15 24	0 19	19 0	1 28	12 52	16 17	23 18	23 10	3 36		n.a.
F 7	18 11	20 53	2 19	10 33	0 22	1 6	1 3	17 15	2 14	20 58	0 31	3 34	2 43	15 24	0 19	19 0	1 28	12 51	16 17	23 18	23 10	3 38		n.a.
S 8	17 55	22 45	1 11	9 55	0 30	0 36	1 8	17 26	2 15	20 59	0 31	3 35	2 44	15 25	0 19	19 1	1 28	12 50	16 16	23 18	23 9	3 41		n.a.
S 9	17 39	23 18	0 1	9 17	0 39	0 5	1 14	17 38	2 15	21 1	0 31	3 36	2 44	15 25	0 19	19 1	1 28	12 49	16 16	23 18	23 9	3 43		n.a.
M10	17 23	22 35	1s 8	8 39	0 47	0s25	1 19	17 50	2 15	21 3	0 30	3 37	2 44	15 25	0 19	19 1	1 28	12 48	16 15	23 18	23 9	3 46		n.a.
T 11	17 6	20 42	2 12	8 1	0 56	0 56	1 25	18 1	2 15	21 4	0 30	3 39	2 44	15 25	0 19	19 1	1 28	12 47	16 15	23 18	23 8	3 49		n.a.
W12	16 50	17 50	3 9	7 24	1 4	1 26	1 31	18 13	2 15	21 6	0 30	3 40	2 45	15 25	0 19	19 1	1 28	12 46	16 14	23 17	23 8	3 51		n.a.
T 13	16 32	14 13	3 56	6 47	1 13	1 56	1 36	18 24	2 15	21 7	0 30	3 41	2 45	15 25	0 19	19 1	1 28	12 45	16 14	23 17	23 8	3 54		n.a.
F 14	16 15	10 3	4 31	6 11	1 21	2 27	1 42	18 35	2 15	21 9	0 30	3 43	2 45	15 26	0 19	19 1	1 28	12 44	16 14	23 16	23 7	3 56		n.a.
S 15	15 57	5 32	4 54	5 34	1 30	2 57	1 48	18 47	2 15	21 10	0 30	3 44	2 45	15 26	0 19	19 2	1 28	12 43	16 13	23 15	23 7	3 59		n.a.
S 16	15 39	0 52	5 3	4 59	1 39	3 27	1 53	18 58	2 15	21 12	0 30	3 46	2 46	15 26	0 19	19 2	1 28	12 42	16 13	23 14	23 7	4 1		n.a.
M17	15 21	3s47	4 59	4 24	1 47	3 57	1 59	19 9	2 15	21 13	0 30	3 47	2 46	15 26	0 19	19 2	1 28	12 41	16 12	23 13	23 7	4 4		n.a.
T 18	15 2	8 17	4 43	3 50	1 56	4 27	2 5	19 20	2 15	21 14	0 30	3 49	2 46	15 26	0 19	19 2	1 29	12 39	16 12	23 12	23 6	4 6		n.a.
W19	14 43	12 29	4 14	3 16	2 4	4 56	2 11	19 31	2 15	21 16	0 30	3 50	2 46	15 26	0 19	19 2	1 29	12 38	16 11	23 12	23 6	4 9		n.a.
T 20	14 24	16 13	3 34	2 44	2 12	5 26	2 17	19 42	2 15	21 17	0 30	3 52	2 46	15 26	0 19	19 2	1 29	12 37	16 11	23 11	23 6	4 11		n.a.
F 21	14 5	19 20	2 44	2 12	2 21	5 55	2 22	19 53	2 15	21 18	0 30	3 53	2 47	15 26	0 19	19 2	1 29	12 36	16 11	23 11	23 5	4 14		n.a.
S 22	13 46	21 39	1 45	1 42	2 29	6 24	2 28	20 4	2 15	21 20	0 30	3 55	2 47	15 26	0 19	19 2	1 29	12 35	16 10	23 11	23 5	4 16		n.a.
S 23	13 26	22 57	0 40	1 13	2 36	6 54	2 34	20 15	2 15	21 21	0 30	3 56	2 47	15 26	0 19	19 2	1 29	12 34	16 10	23 11	23 5	4 19		n.a.
M24	13 6	23 5	0n29	0 45	2 44	7 22	2 40	20 25	2 15	21 22	0 30	3 58	2 47	15 26	0 19	19 2	1 29	12 33	16 10	23 11	23 4	4 22		n.a.
T 25	12 46	21 54	1 38	0 18	2 51	7 51	2 46	20 36	2 15	21 23	0 30	4 0	2 47	15 26	0 19	19 2	1 29	12 32	16 9	23 11	23 4	4 24		n.a.
W26	12 25	19 22	2 45	0s 7	2 59	8 19	2 52	20 46	2 15	21 24	0 30	4 2	2 48	15 26	0 19	19 3	1 29	12 30	16 9	23 11	23 4	4 27		n.a.
T 27	12 5	15 35	3 42	0 30	3 5	8 48	2 58	20 56	2 15	21 25	0 30	4 3	2 48	15 26	0 19	19 3	1 29	12 29	16 8	23 10	23 3	4 29		n.a.
F 28	11 44	10 45	4 27	0 51	3 12	9 16	3 4	21 6	2 14	21 26	0 30	4 5	2 48	15 26	0 19	19 3	1 29	12 28	16 8	23 9	23 3	4 32		n.a.
S 29	11 23	5 11	4 54	1 10	3 18	9 43	3 10	21 16	2 14	21 28	0 30	4 7	2 48	15 26	0 19	19 3	1 29	12 27	16 8	23 8	23 3	4 34		n.a.
S 30	11 2	0n44	5 1	1 27	3 23	10 11	3 16	21 26	2 14	21 29	0 30	4 9	2 48	15 26	0 19	19 3	1 29	12 26	16 7	23 7	23 2	4 37		n.a.
M31	10n40	6n34	4n46	1s41	3s28	10s38	3s22	21s36	2s14	21n30	0s30	4s10	2s48	15n26	0s19	19n 3	1s29	12n25	16n 7	23s 6	23s 2	4s39		n.a.

Julian Day Number = 1633244.5, Delta T = 03h40m40s
Ecliptic obliquity = 23°43'26, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'10, Lahiri = - 7°17'10 Julian Calendar 1 Aug. 242 BCE == Greg. Calendar 28 July 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

SEPTEMBER 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 22 23	3♍34'47	20♈23	26♍37	19♎55	26♏27	8♊36	25°R56	12°R20	0♊30	5♎51	17°R 8	16♐30	0♎18	n.a.	T 1
W 2	22 26 19	4°33'55	4♉58	26°49	20°50	27° 7	8°42	25♓52	12♉20	0°30	5°53	17♐ 3	16°27	0°25	n.a.	W 2
T 3	22 30 16	5°33'05	19° 8	26°R56	21°44	27°48	8°47	25°48	12°19	0°30	5°56	17° 0	16°24	0°31	n.a.	T 3
F 4	22 34 12	6°32'17	2♊53	26°55	22°38	28°29	8°52	25°43	12°19	0°30	5°58	17°D 0	16°21	0°38	n.a.	F 4
S 5	22 38 9	7°31'33	16°14	26°47	23°32	29°10	8°58	25°39	12°18	0°31	6° 0	17°R 0	16°18	0°45	n.a.	S 5
S 6	22 42 5	8°30'50	29°14	26°32	24°24	29°51	9° 3	25°34	12°17	0°31	6° 2	16°59	16°14	0°52	n.a.	S 6
M 7	22 46 2	9°30'10	11♋58	26° 9	25°16	0♐32	9° 8	25°30	12°17	0°31	6° 4	16°57	16°11	0°58	n.a.	M 7
T 8	22 49 59	10°29'33	24°27	25°37	26° 8	1°13	9°12	25°25	12°16	0°R31	6° 7	16°53	16° 8	1° 5	n.a.	T 8
W 9	22 53 55	11°28'57	6♌46	24°58	26°58	1°55	9°17	25°21	12°15	0°31	6° 9	16°45	16° 5	1°12	n.a.	W 9
T 10	22 57 52	12°28'24	18°56	24°11	27°49	2°36	9°21	25°16	12°14	0°31	6°11	16°35	16° 2	1°18	n.a.	T 10
F 11	23 1 48	13°27'53	1♍ 0	23°16	28°38	3°18	9°25	25°11	12°13	0°31	6°13	16°22	15°59	1°25	n.a.	F 11
S 12	23 5 45	14°27'25	12°58	22°15	29°26	4° 0	9°29	25° 7	12°12	0°30	6°16	16° 7	15°55	1°32	n.a.	S 12
S 13	23 9 41	15°26'58	24°52	21° 9	0♏14	4°42	9°33	25° 2	12°11	0°30	6°18	15°53	15°52	1°39	n.a.	S 13
M14	23 13 38	16°26'34	6♎44	19°58	1° 1	5°24	9°37	24°57	12°10	0°30	6°20	15°39	15°49	1°45	n.a.	M14
T 15	23 17 34	17°26'11	18°34	18°45	1°47	6° 6	9°40	24°52	12° 9	0°30	6°23	15°27	15°46	1°52	n.a.	T 15
W16	23 21 31	18°25'51	0♏26	17°32	2°33	6°48	9°43	24°48	12° 8	0°30	6°25	15°17	15°43	1°59	n.a.	W16
T 17	23 25 27	19°25'32	12°21	16°21	3°17	7°31	9°46	24°43	12° 7	0°29	6°27	15°11	15°39	2° 5	n.a.	T 17
F 18	23 29 24	20°25'16	24°23	15°13	4° 1	8°13	9°49	24°38	12° 5	0°29	6°30	15° 7	15°36	2°12	n.a.	F 18
S 19	23 33 21	21°25'01	6♐37	14°12	4°43	8°56	9°52	24°33	12° 4	0°29	6°32	15° 6	15°33	2°19	n.a.	S 19
S 20	23 37 17	22°24'48	19° 8	13°18	5°24	9°38	9°54	24°28	12° 3	0°28	6°34	15° 6	15°30	2°26	n.a.	S 20
M21	23 41 14	23°24'38	2♑ 0	12°34	6° 4	10°21	9°57	24°24	12° 1	0°28	6°37	15° 6	15°27	2°32	n.a.	M21
T 22	23 45 10	24°24'28	15°18	11°59	6°44	11° 4	9°59	24°19	12° 0	0°27	6°39	15° 4	15°24	2°39	n.a.	T 22
W23	23 49 7	25°24'21	29° 5	11°36	7°22	11°47	10° 1	24°14	11°58	0°27	6°42	15° 1	15°20	2°46	n.a.	W23
T 24	23 53 3	26°24'15	13♒23	11°24	7°58	12°30	10° 2	24° 9	11°57	0°26	6°44	14°55	15°17	2°52	n.a.	T 24
F 25	23 57 0	27°24'11	28° 8	11°D24	8°34	13°13	10° 4	24° 4	11°55	0°26	6°46	14°46	15°14	2°59	n.a.	F 25
S 26	0 0 56	28°24'09	13♓16	11°34	9° 8	13°56	10° 5	23°59	11°54	0°25	6°49	14°36	15°11	3° 6	n.a.	S 26
S 27	0 4 53	29°24'09	28°36	11°55	9°40	14°39	10° 6	23°55	11°52	0°25	6°51	14°25	15° 8	3°13	n.a.	S 27
M28	0 8 49	0♈24'10	13♈57	12°26	10°12	15°23	10° 7	23°50	11°50	0°24	6°54	14°14	15° 5	3°19	n.a.	M28
T 29	0 12 46	1°24'14	29° 7	13° 6	10°41	16° 6	10° 8	23°45	11°49	0°23	6°56	14° 6	15° 1	3°26	n.a.	T 29
W30	0 16 43	2♈24'20	13♉57	13♍54	11♏ 9	16♐49	10♊ 9	23♓40	11♉47	0♊22	6♎59	14♐ 0	14♐58	3♎33	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n19	11n57	4n13	1s52	3s32	11s 5	3s28	21s45	2s14	21n30	0s30	4s12	2s48	15n25	0s19	19n 3	1s29	12n24	16n 7	23s 6	23s 2	4s42		n.a.
W 2	9 57	16 30	3 23	2 0	3 35	11 31	3 34	21 55	2 13	21 31	0 30	4 14	2 49	15 25	0 19	19 3	1 29	12 23	16 7	23 5	23 2	4 44		n.a.
T 3	9 35	19 59	2 22	2 5	3 37	11 58	3 40	22 4	2 13	21 32	0 30	4 16	2 49	15 25	0 19	19 3	1 29	12 21	16 6	23 5	23 1	4 47		n.a.
F 4	9 13	22 11	1 14	2 5	3 38	12 24	3 46	22 13	2 13	21 33	0 30	4 18	2 49	15 25	0 19	19 3	1 29	12 20	16 6	23 5	23 1	4 49		n.a.
S 5	8 51	23 4	0 4	2 2	3 38	12 49	3 52	22 22	2 13	21 34	0 30	4 20	2 49	15 25	0 19	19 3	1 29	12 19	16 6	23 5	23 1	4 52		n.a.
S 6	8 28	22 39	1s 4	1 55	3 37	13 15	3 58	22 31	2 12	21 35	0 30	4 22	2 49	15 25	0 19	19 3	1 29	12 18	16 5	23 5	23 0	4 54		n.a.
M 7	8 6	21 3	2 8	1 43	3 34	13 39	4 4	22 39	2 12	21 36	0 30	4 24	2 49	15 24	0 19	19 3	1 29	12 17	16 5	23 5	23 0	4 57		n.a.
T 8	7 43	18 28	3 4	1 27	3 30	14 4	4 9	22 48	2 12	21 36	0 30	4 26	2 49	15 24	0 19	19 3	1 29	12 16	16 5	23 4	23 0	4 59		n.a.
W 9	7 20	15 5	3 50	1 5	3 24	14 28	4 15	22 56	2 12	21 37	0 30	4 27	2 49	15 24	0 19	19 3	1 29	12 15	16 5	23 3	22 59	5 2		n.a.
T 10	6 58	11 7	4 26	0 39	3 16	14 52	4 21	23 4	2 11	21 38	0 30	4 29	2 50	15 24	0 19	19 2	1 30	12 14	16 4	23 2	22 59	5 4		n.a.
F 11	6 34	6 45	4 49	0 8	3 6	15 15	4 26	23 12	2 11	21 38	0 30	4 31	2 50	15 23	0 19	19 2	1 30	12 13	16 4	23 1	22 59	5 7		n.a.
S 12	6 11	2 10	4 59	0n27	2 54	15 38	4 32	23 20	2 10	21 39	0 30	4 33	2 50	15 23	0 19	19 2	1 30	12 11	16 4	22 59	22 58	5 9		n.a.
S 13	5 48	2s27	4 56	1 6	2 40	16 0	4 37	23 28	2 10	21 40	0 30	4 35	2 50	15 23	0 19	19 2	1 30	12 10	16 4	22 58	22 58	5 12		n.a.
M14	5 25	6 58	4 40	1 49	2 24	16 22	4 43	23 35	2 10	21 40	0 29	4 37	2 50	15 22	0 19	19 2	1 30	12 9	16 3	22 56	22 58	5 14		n.a.
T 15	5 1	11 14	4 12	2 33	2 7	16 44	4 48	23 42	2 9	21 41	0 29	4 39	2 50	15 22	0 19	19 2	1 30	12 8	16 3	22 55	22 57	5 17		n.a.
W16	4 38	15 4	3 32	3 19	1 48	17 5	4 53	23 49	2 9	21 41	0 29	4 41	2 50	15 22	0 19	19 2	1 30	12 7	16 3	22 54	22 57	5 19		n.a.
T 17	4 14	18 19	2 44	4 5	1 29	17 25	4 59	23 56	2 9	21 42	0 29	4 43	2 50	15 21	0 19	19 2	1 30	12 6	16 3	22 53	22 56	5 22		n.a.
F 18	3 50	20 49	1 47	4 50	1 8	17 45	5 4	24 3	2 8	21 42	0 29	4 45	2 50	15 21	0 19	19 2	1 30	12 5	16 3	22 53	22 56	5 24		n.a.
S 19	3 27	22 24	0 45	5 33	0 48	18 5	5 9	24 9	2 8	21 43	0 29	4 47	2 50	15 20	0 19	19 2	1 30	12 4	16 2	22 53	22 56	5 26		n.a.
S 20	3 3	22 55	0n21	6 13	0 27	18 23	5 13	24 15	2 7	21 43	0 29	4 49	2 50	15 20	0 19	19 2	1 30	12 3	16 2	22 53	22 55	5 29		n.a.
M21	2 39	22 14	1 28	6 48	0 8	18 42	5 18	24 21	2 7	21 43	0 29	4 51	2 50	15 19	0 19	19 1	1 30	12 2	16 2	22 53	22 55	5 31		n.a.
T 22	2 15	20 19	2 33	7 19	0n11	18 59	5 23	24 27	2 6	21 44	0 29	4 53	2 50	15 19	0 19	19 1	1 30	12 0	16 2	22 53	22 55	5 34		n.a.
W23	1 51	17 9	3 30	7 45	0 29	19 16	5 27	24 33	2 6	21 44	0 29	4 55	2 50	15 19	0 19	19 1	1 30	11 59	16 2	22 52	22 54	5 36		n.a.
T 24	1 27	12 54	4 17	8 4	0 46	19 33	5 31	24 38	2 5	21 44	0 29	4 57	2 50	15 18	0 19	19 1	1 30	11 58	16 2	22 52	22 54	5 39		n.a.
F 25	1 3	7 45	4 49	8 18	1 1	19 48	5 36	24 43	2 5	21 45	0 29	4 59	2 50	15 18	0 19	19 1	1 30	11 57	16 2	22 51	22 54	5 41		n.a.
S 26	0 39	2 2	5 1	8 27	1 14	20 3	5 39	24 48	2 4	21 45	0 29	5 1	2 50	15 17	0 19	19 1	1 30	11 56	16 2	22 49	22 53	5 44		n.a.
S 27	0 14	3n54	4 52	8 30	1 26	20 18	5 43	24 53	2 4	21 45	0 29	5 3	2 50	15 17	0 19	19 1	1 30	11 55	16 1	22 48	22 53	5 46		n.a.
M28	0s10	9 35	4 22	8 27	1 36	20 31	5 47	24 57	2 3	21 45	0 29	5 5	2 50	15 16	0 19	19 0	1 30	11 54	16 1	22 47	22 53	5 49		n.a.
T 29	0 34	14 37	3 34	8 19	1 45	20 44	5 50	25 2	2 3	21 45	0 29	5 6	2 50	15 16	0 19	19 0	1 30	11 53	16 1	22 46	22 52	5 51		n.a.
W30	0s58	18n38	2n32	8n 7	1n52	20s56	5s53	25s 6	2s 2	21n46	0s29	5s 8	2s50	15n15	0s19	19n 0	1s30	11n52	16n 1	22s45	22s52	5s54		n.a.

Julian Day Number = 1633275.5, Delta T = 03h40m39s
Ecliptic obliquity = 23°43'27, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'06, Lahiri = - 7°17'06 Julian Calendar 1 Sept. 242 BCE == Greg. Calendar 28 Aug. 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

OCTOBER 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 20 39	3♎24'28	28♉21	14♍50	11♏36	17♐33	10♊ 9	23°R36	11°R45	0°R22	7♎ 1	13°R57	14♐55	3♎39	n.a.	T 1
F 2	0 24 36	4°24'39	12♊16	15°52	12° 1	18°17	10°R 9	23♓31	11♉43	0♊21	7° 3	13°D56	14°52	3°46	n.a.	F 2
S 3	0 28 32	5°24'52	25°44	16°59	12°24	19° 0	10° 9	23°26	11°41	0°20	7° 6	13♐57	14°49	3°53	n.a.	S 3
S 4	0 32 29	6°25'06	8♋45	18°12	12°45	19°44	10° 9	23°22	11°39	0°19	7° 8	13°R57	14°45	4° 0	n.a.	S 4
M 5	0 36 25	7°25'23	21°26	19°28	13° 5	20°28	10° 8	23°17	11°37	0°18	7°11	13°56	14°42	4° 6	n.a.	M 5
T 6	0 40 22	8°25'43	3♌50	20°49	13°22	21°12	10° 8	23°12	11°35	0°18	7°13	13°53	14°39	4°13	n.a.	T 6
W 7	0 44 18	9°26'04	16° 1	22°12	13°38	21°56	10° 7	23° 8	11°33	0°17	7°16	13°47	14°36	4°20	n.a.	W 7
T 8	0 48 15	10°26'27	28° 3	23°38	13°51	22°40	10° 6	23° 3	11°31	0°16	7°18	13°39	14°33	4°26	n.a.	T 8
F 9	0 52 12	11°26'52	10♍ 0	25° 6	14° 3	23°24	10° 5	22°59	11°29	0°15	7°21	13°28	14°30	4°33	n.a.	F 9
S 10	0 56 8	12°27'19	21°53	26°36	14°12	24° 8	10° 3	22°54	11°27	0°14	7°23	13°16	14°26	4°40	n.a.	S 10
S 11	1 0 5	13°27'48	3♎45	28° 7	14°19	24°52	10° 1	22°50	11°25	0°13	7°25	13° 4	14°23	4°47	n.a.	S 11
M12	1 4 1	14°28'18	15°36	29°39	14°24	25°36	10° 0	22°46	11°23	0°12	7°28	12°52	14°20	4°53	n.a.	M12
T 13	1 7 58	15°28'50	27°30	1♏13	14°26	26°20	9°58	22°41	11°21	0°11	7°30	12°42	14°17	5° 0	n.a.	T 13
W14	1 11 54	16°29'24	9♏26	2°47	14°R27	27° 5	9°55	22°37	11°18	0° 9	7°33	12°34	14°14	5° 7	n.a.	W14
T 15	1 15 51	17°30'00	21°27	4°21	14°24	27°49	9°53	22°33	11°16	0° 8	7°35	12°29	14°10	5°13	n.a.	T 15
F 16	1 19 47	18°30'37	3♐35	5°56	14°19	28°34	9°50	22°29	11°14	0° 7	7°38	12°27	14° 7	5°20	n.a.	F 16
S 17	1 23 44	19°31'16	15°54	7°31	14°12	29°18	9°47	22°25	11°12	0° 6	7°40	12°D27	14° 4	5°27	n.a.	S 17
S 18	1 27 41	20°31'56	28°27	9° 7	14° 3	0♑ 3	9°44	22°21	11° 9	0° 5	7°42	12°27	14° 1	5°34	n.a.	S 18
M19	1 31 37	21°32'37	11♑17	10°42	13°50	0°47	9°41	22°17	11° 7	0° 4	7°45	12°29	13°58	5°40	n.a.	M19
T 20	1 35 34	22°33'19	24°29	12°18	13°36	1°32	9°38	22°13	11° 5	0° 2	7°47	12°R29	13°55	5°47	n.a.	T 20
W21	1 39 30	23°34'03	8♒ 7	13°54	13°19	2°16	9°34	22° 9	11° 2	0° 1	7°49	12°28	13°51	5°54	n.a.	W21
T 22	1 43 27	24°34'47	22°11	15°29	12°59	3° 1	9°30	22° 6	11° 0	29♉59	7°52	12°25	13°48	6° 0	n.a.	T 22
F 23	1 47 23	25°35'33	6♓41	17° 5	12°38	3°46	9°26	22° 2	10°57	29°58	7°54	12°20	13°45	6° 7	n.a.	F 23
S 24	1 51 20	26°36'20	21°34	18°40	12°14	4°31	9°22	21°59	10°55	29°57	7°57	12°13	13°42	6°14	n.a.	S 24
S 25	1 55 16	27°37'08	6♈42	20°15	11°48	5°15	9°18	21°55	10°53	29°56	7°59	12° 6	13°39	6°21	n.a.	S 25
M26	1 59 13	28°37'58	21°56	21°51	11°20	6° 0	9°13	21°52	10°50	29°54	8° 1	11°59	13°36	6°27	n.a.	M26
T 27	2 3 10	29°38'48	7♉ 6	23°26	10°51	6°45	9° 8	21°48	10°48	29°53	8° 4	11°54	13°32	6°34	n.a.	T 27
W28	2 7 6	0♏39'40	22° 1	25° 1	10°19	7°30	9° 4	21°45	10°45	29°51	8° 6	11°50	13°29	6°41	n.a.	W28
T 29	2 11 3	1°40'34	6♊34	26°36	9°47	8°15	8°59	21°42	10°43	29°50	8° 8	11°D49	13°26	6°47	n.a.	T 29
F 30	2 14 59	2°41'29	20°40	28°11	9°13	9° 0	8°53	21°39	10°40	29°48	8°10	11°49	13°23	6°54	n.a.	F 30
S 31	2 18 56	3♏42'25	4♋17	29♎45	8♏38	9♑44	8♊48	21♓36	10♉38	29♉47	8♎13	11♐50	13♐20	7♎ 1	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	1s22	21n21	1n22	7n51	1n58	21s 7	5s56	25s 9	2s 2	21n46	0s29	5s10	2s50	15n14	0s19	19n 0	1s30	11n51	16n 1	22s45	22s52	5s56			n.a.
F 2	1 46	22 41	0 9	7 31	2 2	21 18	5 59	25 13	2 1	21 46	0 29	5 12	2 50	15 14	0 19	19 0	1 30	11 50	16 1	22 45	22 51	5 58			n.a.
S 3	2 11	22 37	1s 2	7 7	2 5	21 27	6 1	25 16	2 1	21 46	0 29	5 14	2 50	15 13	0 19	18 59	1 30	11 49	16 1	22 45	22 51	6 1			n.a.
S 4	2 35	21 18	2 8	6 40	2 8	21 36	6 3	25 19	2 0	21 46	0 29	5 16	2 50	15 13	0 19	18 59	1 30	11 48	16 1	22 45	22 50	6 3			n.a.
M 5	2 59	18 56	3 5	6 11	2 9	21 44	6 5	25 22	2 0	21 46	0 29	5 17	2 50	15 12	0 19	18 59	1 30	11 47	16 1	22 45	22 50	6 6			n.a.
T 6	3 23	15 45	3 53	5 39	2 9	21 50	6 6	25 24	1 59	21 46	0 29	5 19	2 50	15 11	0 19	18 59	1 31	11 46	16 1	22 44	22 50	6 8			n.a.
W 7	3 47	11 57	4 29	5 5	2 8	21 56	6 7	25 27	1 58	21 46	0 29	5 21	2 50	15 11	0 19	18 59	1 31	11 45	16 1	22 44	22 49	6 11			n.a.
T 8	4 11	7 43	4 52	4 30	2 7	22 1	6 8	25 29	1 58	21 46	0 29	5 23	2 50	15 10	0 19	18 58	1 31	11 44	16 1	22 43	22 49	6 13			n.a.
F 9	4 35	3 15	5 2	3 52	2 5	22 5	6 8	25 30	1 57	21 45	0 28	5 24	2 49	15 10	0 19	18 58	1 31	11 43	16 1	22 41	22 49	6 15			n.a.
S 10	4 59	1s19	5 0	3 14	2 2	22 8	6 8	25 32	1 56	21 45	0 28	5 26	2 49	15 9	0 19	18 58	1 31	11 42	16 1	22 40	22 48	6 18			n.a.
S 11	5 22	5 50	4 44	2 34	1 59	22 9	6 7	25 33	1 56	21 45	0 28	5 28	2 49	15 8	0 19	18 58	1 31	11 41	16 1	22 38	22 48	6 20			n.a.
M12	5 46	10 8	4 16	1 54	1 55	22 10	6 6	25 34	1 55	21 45	0 28	5 29	2 49	15 8	0 19	18 57	1 31	11 40	16 1	22 37	22 48	6 23			n.a.
T 13	6 10	14 4	3 36	1 12	1 51	22 9	6 4	25 35	1 55	21 45	0 28	5 31	2 49	15 7	0 19	18 57	1 31	11 40	16 1	22 35	22 47	6 25			n.a.
W14	6 33	17 27	2 47	0 30	1 46	22 7	6 2	25 35	1 54	21 44	0 28	5 33	2 49	15 6	0 19	18 57	1 31	11 39	16 1	22 34	22 47	6 27			n.a.
T 15	6 57	20 7	1 50	0s12	1 42	22 4	6 0	25 36	1 53	21 44	0 28	5 34	2 49	15 5	0 19	18 57	1 31	11 38	16 1	22 34	22 46	6 30			n.a.
F 16	7 20	21 54	0 47	0 55	1 36	21 59	5 57	25 36	1 53	21 44	0 28	5 36	2 49	15 5	0 19	18 56	1 31	11 37	16 1	22 33	22 46	6 32			n.a.
S 17	7 44	22 40	0n19	1 38	1 31	21 53	5 53	25 35	1 52	21 43	0 28	5 37	2 48	15 4	0 19	18 56	1 31	11 36	16 1	22 33	22 46	6 35			n.a.
S 18	8 7	22 18	1 25	2 21	1 25	21 46	5 48	25 35	1 51	21 43	0 28	5 39	2 48	15 3	0 19	18 56	1 31	11 35	16 1	22 33	22 45	6 37			n.a.
M19	8 30	20 46	2 29	3 4	1 19	21 38	5 43	25 34	1 50	21 42	0 28	5 40	2 48	15 3	0 19	18 55	1 31	11 34	16 1	22 34	22 45	6 40			n.a.
T 20	8 53	18 5	3 27	3 48	1 13	21 28	5 38	25 33	1 50	21 42	0 28	5 41	2 48	15 2	0 19	18 55	1 31	11 33	16 2	22 34	22 44	6 42			n.a.
W21	9 15	14 21	4 15	4 31	1 7	21 16	5 31	25 31	1 49	21 42	0 28	5 43	2 48	15 1	0 19	18 55	1 31	11 33	16 2	22 34	22 44	6 44			n.a.
T 22	9 38	9 43	4 49	5 14	1 1	21 4	5 24	25 30	1 48	21 41	0 28	5 44	2 48	15 0	0 19	18 55	1 31	11 32	16 2	22 33	22 44	6 47			n.a.
F 23	10 0	4 25	5 7	5 57	0 54	20 50	5 17	25 28	1 48	21 40	0 28	5 45	2 48	15 0	0 19	18 54	1 31	11 31	16 2	22 32	22 43	6 49			n.a.
S 24	10 23	1n16	5 4	6 40	0 48	20 34	5 8	25 26	1 47	21 40	0 28	5 47	2 47	14 59	0 19	18 54	1 31	11 30	16 2	22 32	22 43	6 51			n.a.
S 25	10 45	6 58	4 41	7 22	0 41	20 17	4 59	25 23	1 46	21 39	0 27	5 48	2 47	14 58	0 19	18 54	1 31	11 29	16 2	22 31	22 43	6 54			n.a.
M26	11 7	12 18	3 57	8 4	0 35	19 59	4 49	25 21	1 45	21 39	0 27	5 49	2 47	14 57	0 19	18 53	1 31	11 29	16 2	22 30	22 42	6 56			n.a.
T 27	11 29	16 50	2 57	8 46	0 28	19 40	4 39	25 18	1 45	21 38	0 27	5 50	2 47	14 57	0 19	18 53	1 31	11 28	16 2	22 29	22 42	6 59			n.a.
W28	11 50	20 11	1 45	9 28	0 21	19 19	4 28	25 14	1 44	21 37	0 27	5 51	2 47	14 56	0 19	18 53	1 31	11 27	16 3	22 29	22 41	7 1			n.a.
T 29	12 12	22 8	0 28	10 9	0 15	18 57	4 16	25 11	1 43	21 37	0 27	5 52	2 46	14 55	0 19	18 52	1 31	11 26	16 3	22 28	22 41	7 3			n.a.
F 30	12 33	22 36	0s48	10 50	0 8	18 34	4 4	25 7	1 42	21 36	0 27	5 53	2 46	14 54	0 19	18 52	1 31	11 26	16 3	22 28	22 41	7 6			n.a.
S 31	12s54	21n40	1s59	11s30	0n 1	18s11	3s51	25s 3	1s42	21n35	0s27	5s54	2s46	14n53	0s19	18n52	1s31	11n25	16n 3	22s29	22s40	7s 8			n.a.

Julian Day Number = 1633305.5, Delta T = 03h40m38s
Ecliptic obliquity = 23°43'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°24'02, Lahiri = - 7°17'02 Julian Calendar 1 Oct. 242 BCE == Greg. Calendar 27 Sept. 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

NOVEMBER 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 22 52	4♏43'23	17♋27	1♏20	8°R 2	10♑29	8°R42	21°R33	10°R35	29°R46	8♎15	11♐52	13♐16	7♎ 8	n.a.	S 1
M 2	2 26 49	5°44'22	0♌14	2°54	7♏26	11°14	8♊37	21♓31	10♉33	29♉44	8°17	11°R53	13°13	7°14	n.a.	M 2
T 3	2 30 45	6°45'23	12°40	4°29	6°50	11°59	8°31	21°28	10°30	29°42	8°19	11°53	13°10	7°21	n.a.	T 3
W 4	2 34 42	7°46'24	24°51	6° 3	6°13	12°44	8°25	21°25	10°28	29°41	8°22	11°51	13° 7	7°28	n.a.	W 4
T 5	2 38 39	8°47'27	6♍51	7°38	5°37	13°29	8°19	21°23	10°25	29°39	8°24	11°48	13° 4	7°34	n.a.	T 5
F 6	2 42 35	9°48'32	18°44	9°12	5° 2	14°14	8°13	21°20	10°23	29°38	8°26	11°44	13° 1	7°41	n.a.	F 6
S 7	2 46 32	10°49'37	0♎35	10°46	4°27	15° 0	8° 6	21°18	10°20	29°36	8°28	11°38	12°57	7°48	n.a.	S 7
S 8	2 50 28	11°50'43	12°26	12°21	3°53	15°45	8° 0	21°16	10°17	29°35	8°30	11°32	12°54	7°55	n.a.	S 8
M 9	2 54 25	12°51'51	24°20	13°55	3°20	16°30	7°53	21°14	10°15	29°33	8°32	11°27	12°51	8° 1	n.a.	M 9
T 10	2 58 21	13°52'59	6♏19	15°30	2°49	17°15	7°46	21°12	10°12	29°31	8°34	11°22	12°48	8° 8	n.a.	T 10
W11	3 2 18	14°54'09	18°24	17° 4	2°19	18° 0	7°39	21°10	10°10	29°30	8°36	11°19	12°45	8°15	n.a.	W11
T 12	3 6 14	15°55'19	0♐37	18°39	1°51	18°45	7°32	21° 8	10° 7	29°28	8°39	11°17	12°41	8°21	n.a.	T 12
F 13	3 10 11	16°56'30	12°59	20°13	1°25	19°30	7°25	21° 7	10° 5	29°26	8°41	11°D16	12°38	8°28	n.a.	F 13
S 14	3 14 8	17°57'41	25°32	21°48	1° 1	20°15	7°18	21° 5	10° 2	29°25	8°43	11°17	12°35	8°35	n.a.	S 14
S 15	3 18 4	18°58'53	8♑18	23°23	0°40	21° 1	7°10	21° 4	10° 0	29°23	8°45	11°19	12°32	8°42	n.a.	S 15
M16	3 22 1	20° 0'05	21°18	24°58	0°20	21°46	7° 3	21° 2	9°57	29°21	8°47	11°20	12°29	8°48	n.a.	M16
T 17	3 25 57	21° 1'18	4♒34	26°33	0° 3	22°31	6°55	21° 1	9°55	29°20	8°49	11°22	12°26	8°55	n.a.	T 17
W18	3 29 54	22° 2'30	18° 9	28° 8	29♎48	23°16	6°48	21° 0	9°52	29°18	8°50	11°R22	12°22	9° 2	n.a.	W18
T 19	3 33 50	23° 3'43	2♓ 3	29°43	29°36	24° 1	6°40	20°59	9°50	29°16	8°52	11°22	12°19	9° 8	n.a.	T 19
F 20	3 37 47	24° 4'56	16°16	1♐19	29°26	24°46	6°32	20°58	9°47	29°15	8°54	11°21	12°16	9°15	n.a.	F 20
S 21	3 41 43	25° 6'09	0♈46	2°54	29°19	25°32	6°25	20°57	9°45	29°13	8°56	11°19	12°13	9°22	n.a.	S 21
S 22	3 45 40	26° 7'23	15°29	4°30	29°14	26°17	6°17	20°57	9°43	29°11	8°58	11°17	12°10	9°29	n.a.	S 22
M23	3 49 37	27° 8'36	0♉20	6° 6	29°D12	27° 2	6° 9	20°56	9°40	29°10	9° 0	11°15	12° 7	9°35	n.a.	M23
T 24	3 53 33	28° 9'49	15°10	7°42	29°12	27°47	6° 1	20°56	9°38	29° 8	9° 2	11°14	12° 3	9°42	n.a.	T 24
W25	3 57 30	29°11'03	29°52	9°18	29°14	28°32	5°53	20°55	9°35	29° 6	9° 3	11°13	12° 0	9°49	n.a.	W25
T 26	4 1 26	0♐12'17	14♊19	10°54	29°19	29°17	5°45	20°55	9°33	29° 4	9° 5	11°D13	11°57	9°55	n.a.	T 26
F 27	4 5 23	1°13'32	28°25	12°30	29°26	0♒ 2	5°37	20°55	9°31	29° 3	9° 7	11°13	11°54	10° 2	n.a.	F 27
S 28	4 9 19	2°14'46	12♋ 7	14° 6	29°36	0°48	5°28	20°D55	9°29	29° 1	9° 8	11°14	11°51	10° 9	n.a.	S 28
S 29	4 13 16	3°16'01	25°24	15°41	29°48	1°33	5°20	20°55	9°26	28°59	9°10	11°15	11°47	10°15	n.a.	S 29
M30	4 17 13	4♐17'17	8♌17	17♐17	0♏ 2	2♒18	5♊12	20♓55	9♉24	28♉58	9♎12	11♐16	11♐44	10♎22	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s15	19n34	3s 2	12s 9	0s 5	17s46	3s37	24s59	1s41	21n34	0s27	5s55	2s46	14n53	0s19	18n51	1s31	11n24	16n 3	22s29	22s40	7s10		n.a.
M 2	13 35	16 33	3 53	12 49	0 12	17 21	3 23	24 54	1 40	21 34	0 27	5 56	2 46	14 52	0 19	18 51	1 31	11 24	16 4	22 29	22 39	7 13		n.a.
T 3	13 56	12 51	4 32	13 27	0 18	16 55	3 9	24 50	1 39	21 33	0 27	5 57	2 45	14 51	0 19	18 51	1 31	11 23	16 4	22 29	22 39	7 15		n.a.
W 4	14 16	8 43	4 58	14 5	0 25	16 29	2 54	24 44	1 39	21 32	0 27	5 58	2 45	14 50	0 19	18 50	1 31	11 22	16 4	22 29	22 39	7 18		n.a.
T 5	14 36	4 18	5 11	14 42	0 31	16 3	2 39	24 39	1 38	21 31	0 26	5 59	2 45	14 49	0 19	18 50	1 31	11 22	16 4	22 28	22 38	7 20		n.a.
F 6	14 56	0s14	5 10	15 19	0 37	15 36	2 24	24 34	1 37	21 30	0 26	5 59	2 45	14 49	0 19	18 50	1 31	11 21	16 5	22 28	22 38	7 22		n.a.
S 7	15 15	4 44	4 55	15 55	0 43	15 10	2 8	24 28	1 36	21 29	0 26	6 0	2 44	14 48	0 19	18 49	1 31	11 20	16 5	22 27	22 37	7 25		n.a.
S 8	15 34	9 4	4 28	16 31	0 50	14 43	1 52	24 22	1 35	21 28	0 26	6 1	2 44	14 47	0 19	18 49	1 31	11 20	16 5	22 26	22 37	7 27		n.a.
M 9	15 53	13 5	3 49	17 5	0 55	14 17	1 37	24 15	1 35	21 27	0 26	6 1	2 44	14 46	0 19	18 49	1 31	11 19	16 5	22 25	22 37	7 29		n.a.
T 10	16 12	16 37	3 0	17 39	1 1	13 52	1 21	24 9	1 34	21 26	0 26	6 2	2 44	14 45	0 19	18 48	1 31	11 19	16 6	22 25	22 36	7 32		n.a.
W11	16 30	19 28	2 2	18 12	1 7	13 27	1 6	24 2	1 33	21 25	0 26	6 2	2 43	14 45	0 19	18 48	1 31	11 18	16 6	22 24	22 36	7 34		n.a.
T 12	16 48	21 28	0 58	18 44	1 12	13 3	0 50	23 55	1 32	21 24	0 26	6 3	2 43	14 44	0 19	18 47	1 31	11 18	16 6	22 24	22 35	7 36		n.a.
F 13	17 6	22 28	0n 9	19 15	1 18	12 39	0 35	23 48	1 31	21 23	0 26	6 3	2 43	14 43	0 19	18 47	1 31	11 17	16 7	22 24	22 35	7 39		n.a.
S 14	17 23	22 21	1 18	19 46	1 23	12 17	0 20	23 40	1 31	21 22	0 26	6 4	2 43	14 42	0 19	18 47	1 31	11 17	16 7	22 24	22 34	7 41		n.a.
S 15	17 40	21 4	2 23	20 15	1 28	11 55	0 5	23 32	1 30	21 21	0 25	6 4	2 42	14 41	0 19	18 46	1 31	11 16	16 7	22 24	22 34	7 43		n.a.
M16	17 57	18 40	3 23	20 44	1 33	11 35	0n 9	23 24	1 29	21 20	0 25	6 4	2 42	14 41	0 19	18 46	1 31	11 16	16 7	22 24	22 34	7 46		n.a.
T 17	18 14	15 15	4 13	21 11	1 37	11 16	0 23	23 16	1 28	21 19	0 25	6 5	2 42	14 40	0 19	18 46	1 31	11 15	16 8	22 25	22 33	7 48		n.a.
W18	18 30	10 58	4 50	21 38	1 42	10 58	0 37	23 7	1 27	21 17	0 25	6 5	2 42	14 39	0 19	18 45	1 31	11 15	16 8	22 25	22 33	7 50		n.a.
T 19	18 45	6 1	5 12	22 3	1 46	10 41	0 50	22 59	1 26	21 16	0 25	6 5	2 41	14 38	0 19	18 45	1 31	11 14	16 8	22 25	22 32	7 53		n.a.
F 20	19 1	0 39	5 15	22 27	1 50	10 26	1 3	22 50	1 26	21 15	0 25	6 5	2 41	14 38	0 19	18 45	1 31	11 14	16 9	22 24	22 32	7 55		n.a.
S 21	19 16	4n51	4 58	22 50	1 53	10 11	1 15	22 41	1 25	21 14	0 25	6 5	2 41	14 37	0 19	18 44	1 31	11 14	16 9	22 24	22 32	7 57		n.a.
S 22	19 31	10 11	4 22	23 12	1 56	9 59	1 27	22 31	1 24	21 13	0 25	6 5	2 41	14 36	0 19	18 44	1 31	11 13	16 10	22 24	22 31	8 0		n.a.
M23	19 45	14 57	3 27	23 32	1 59	9 47	1 38	22 21	1 23	21 11	0 24	6 5	2 40	14 35	0 19	18 43	1 31	11 13	16 10	22 24	22 31	8 2		n.a.
T 24	19 59	18 48	2 19	23 51	2 2	9 37	1 49	22 12	1 22	21 10	0 24	6 5	2 40	14 35	0 19	18 43	1 31	11 12	16 10	22 23	22 30	8 4		n.a.
W25	20 13	21 23	1 3	24 9	2 4	9 28	2 0	22 2	1 21	21 9	0 24	6 5	2 40	14 34	0 19	18 43	1 31	11 12	16 11	22 23	22 30	8 6		n.a.
T 26	20 26	22 30	0s17	24 25	2 6	9 20	2 10	21 51	1 21	21 8	0 24	6 5	2 40	14 33	0 19	18 42	1 31	11 12	16 11	22 23	22 29	8 9		n.a.
F 27	20 39	22 9	1 34	24 40	2 8	9 14	2 19	21 41	1 20	21 6	0 24	6 5	2 39	14 32	0 19	18 42	1 31	11 11	16 11	22 23	22 29	8 11		n.a.
S 28	20 51	20 27	2 43	24 54	2 9	9 9	2 28	21 30	1 19	21 5	0 24	6 4	2 39	14 32	0 19	18 42	1 31	11 11	16 12	22 23	22 29	8 13		n.a.
S 29	21 4	17 41	3 41	25 5	2 9	9 5	2 37	21 19	1 18	21 4	0 24	6 4	2 39	14 31	0 18	18 41	1 31	11 11	16 12	22 24	22 28	8 16		n.a.
M30	21s15	14n 7	4s26	25s15	2s10	9s 3	2n45	21s 8	1s17	21n 2	0s23	6s 4	2s38	14n30	0s18	18n41	1s31	11n11	16n13	22s24	22s28	8s18		n.a.

Julian Day Number = 1633336.5, Delta T = 03h40m37s
Ecliptic obliquity = 23°43'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'58, Lahiri = - 7°16'57 Julian Calendar 1 Nov. 242 BCE == Greg. Calendar 28 Oct. 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 242 BCE
geocentric

DECEMBER 242 BCE (-241) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 21 9	5♐18'32	20♌49	18♐52	0♏18	3♒ 3	5°R 4	20♓55	9°R22	28°R56	9♎13	11♐16	11♐41	10♎29	n.a.	T 1
W 2	4 25 6	6°19'47	3♍ 4	20°27	0°36	3°48	4♊56	20°56	9♉20	28♉54	9°15	11°R16	11°38	10°36	n.a.	W 2
T 3	4 29 2	7°21'03	15° 6	22° 2	0°57	4°33	4°48	20°57	9°17	28°53	9°16	11°16	11°35	10°42	n.a.	T 3
F 4	4 32 59	8°22'19	27° 1	23°36	1°19	5°18	4°40	20°57	9°15	28°51	9°18	11°16	11°32	10°49	n.a.	F 4
S 5	4 36 55	9°23'35	8♎51	25° 8	1°43	6° 3	4°32	20°58	9°13	28°49	9°19	11°16	11°28	10°56	n.a.	S 5
S 6	4 40 52	10°24'51	20°43	26°40	2° 9	6°48	4°24	20°59	9°11	28°48	9°21	11°16	11°25	11° 2	n.a.	S 6
M 7	4 44 48	11°26'07	2♏39	28°10	2°36	7°33	4°16	21° 0	9° 9	28°46	9°22	11°D16	11°22	11° 9	n.a.	M 7
T 8	4 48 45	12°27'23	14°44	29°39	3° 5	8°18	4° 8	21° 1	9° 7	28°44	9°24	11°16	11°19	11°16	n.a.	T 8
W 9	4 52 42	13°28'39	26°58	1♑ 5	3°36	9° 3	4° 0	21° 2	9° 5	28°43	9°25	11°16	11°16	11°23	n.a.	W 9
T 10	4 56 38	14°29'55	9♐26	2°29	4° 9	9°48	3°52	21° 4	9° 3	28°41	9°26	11°R16	11°13	11°29	n.a.	T 10
F 11	5 0 35	15°31'10	22° 6	3°50	4°42	10°33	3°44	21° 5	9° 1	28°39	9°28	11°16	11° 9	11°36	n.a.	F 11
S 12	5 4 31	16°32'25	5♑ 1	5° 7	5°18	11°18	3°36	21° 7	8°59	28°38	9°29	11°16	11° 6	11°43	n.a.	S 12
S 13	5 8 28	17°33'40	18° 9	6°20	5°54	12° 3	3°28	21° 8	8°57	28°36	9°30	11°15	11° 3	11°49	n.a.	S 13
M14	5 12 24	18°34'53	1♒31	7°28	6°32	12°48	3°21	21°10	8°56	28°35	9°31	11°14	11° 0	11°56	n.a.	M14
T 15	5 16 21	19°36'06	15° 5	8°31	7°11	13°33	3°13	21°12	8°54	28°33	9°33	11°13	10°57	12° 3	n.a.	T 15
W16	5 20 17	20°37'18	28°50	9°27	7°52	14°18	3° 6	21°14	8°52	28°31	9°34	11°12	10°53	12° 9	n.a.	W16
T 17	5 24 14	21°38'29	12♓47	10°16	8°33	15° 3	2°58	21°16	8°51	28°30	9°35	11°12	10°50	12°16	n.a.	T 17
F 18	5 28 11	22°39'39	26°52	10°56	9°16	15°47	2°51	21°18	8°49	28°28	9°36	11°D11	10°47	12°23	n.a.	F 18
S 19	5 32 7	23°40'48	11♈ 6	11°28	9°59	16°32	2°44	21°21	8°47	28°27	9°37	11°12	10°44	12°30	n.a.	S 19
S 20	5 36 4	24°41'56	25°24	11°50	10°44	17°17	2°37	21°23	8°46	28°25	9°38	11°13	10°41	12°36	n.a.	S 20
M21	5 40 0	25°43'03	9♉46	12°R 1	11°30	18° 2	2°30	21°26	8°44	28°24	9°39	11°14	10°38	12°43	n.a.	M21
T 22	5 43 57	26°44'09	24° 6	12° 0	12°16	18°46	2°23	21°28	8°43	28°22	9°40	11°15	10°34	12°50	n.a.	T 22
W23	5 47 53	27°45'14	8♊21	11°49	13° 4	19°31	2°16	21°31	8°41	28°21	9°41	11°R16	10°31	12°56	n.a.	W23
T 24	5 51 50	28°46'19	22°26	11°25	13°52	20°16	2°10	21°34	8°40	28°20	9°41	11°15	10°28	13° 3	n.a.	T 24
F 25	5 55 47	29°47'22	6♋17	10°51	14°42	21° 0	2° 3	21°37	8°39	28°18	9°42	11°14	10°25	13°10	n.a.	F 25
S 26	5 59 43	0♑48'24	19°51	10° 5	15°32	21°45	1°57	21°40	8°37	28°17	9°43	11°12	10°22	13°16	n.a.	S 26
S 27	6 3 40	1°49'25	3♌ 5	9°11	16°23	22°30	1°51	21°43	8°36	28°15	9°44	11° 9	10°19	13°23	n.a.	S 27
M28	6 7 36	2°50'26	15°59	8° 8	17°14	23°14	1°45	21°46	8°35	28°14	9°45	11° 5	10°15	13°30	n.a.	M28
T 29	6 11 33	3°51'25	28°35	6°59	18° 7	23°59	1°39	21°50	8°34	28°13	9°45	11° 2	10°12	13°37	n.a.	T 29
W30	6 15 29	4°52'24	10♍53	5°46	19° 0	24°43	1°33	21°53	8°33	28°11	9°46	10°59	10° 9	13°43	n.a.	W30
T 31	6 19 26	5♑53'21	22♍58	4♑32	19♏54	25♒28	1♊28	21♓57	8♉31	28♉10	9♎47	10♐57	10♐ 6	13♎50	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21s26	10n 2	4s57	25s24	2s 9	9s 1	2n53	20s57	1s16	21n 1	0s23	6s 3	2s38	14n30	0s18	18n41	1s31	11n10	16n13	22s24	22s27	8s20			n.a.
W 2	21 37	5 37	5 14	25 30	2 8	9 1	3 0	20 45	1 15	21 0	0 23	6 3	2 38	14 29	0 18	18 40	1 31	11 10	16 14	22 24	22 27	8 22			n.a.
T 3	21 48	1 4	5 17	25 35	2 7	9 2	3 7	20 33	1 15	20 58	0 23	6 2	2 38	14 28	0 18	18 40	1 31	11 10	16 14	22 24	22 26	8 25			n.a.
F 4	21 58	3s28	5 6	25 38	2 5	9 3	3 13	20 21	1 14	20 57	0 23	6 2	2 37	14 27	0 18	18 40	1 31	11 10	16 14	22 24	22 26	8 27			n.a.
S 5	22 7	7 51	4 41	25 40	2 2	9 6	3 19	20 9	1 13	20 56	0 23	6 1	2 37	14 27	0 18	18 39	1 31	11 10	16 15	22 24	22 26	8 29			n.a.
S 6	22 16	11 58	4 5	25 39	1 58	9 10	3 24	19 57	1 12	20 54	0 22	6 1	2 37	14 26	0 18	18 39	1 31	11 9	16 15	22 24	22 25	8 32			n.a.
M 7	22 25	15 38	3 18	25 37	1 54	9 14	3 30	19 45	1 11	20 53	0 22	6 0	2 37	14 26	0 18	18 38	1 31	11 9	16 16	22 24	22 25	8 34			n.a.
T 8	22 33	18 42	2 22	25 33	1 49	9 20	3 34	19 32	1 10	20 52	0 22	5 59	2 36	14 25	0 18	18 38	1 31	11 9	16 16	22 24	22 24	8 36			n.a.
W 9	22 41	20 59	1 19	25 26	1 43	9 26	3 39	19 19	1 9	20 50	0 22	5 59	2 36	14 24	0 18	18 38	1 31	11 9	16 17	22 24	22 24	8 38			n.a.
T 10	22 49	22 18	0 10	25 19	1 37	9 33	3 43	19 6	1 8	20 49	0 22	5 58	2 36	14 24	0 18	18 37	1 31	11 9	16 17	22 24	22 23	8 41			n.a.
F 11	22 56	22 29	1n 0	25 9	1 29	9 41	3 47	18 53	1 8	20 48	0 22	5 57	2 35	14 23	0 18	18 37	1 31	11 9	16 18	22 24	22 23	8 43			n.a.
S 12	23 2	21 30	2 8	24 57	1 20	9 50	3 50	18 40	1 7	20 46	0 21	5 56	2 35	14 22	0 18	18 37	1 31	11 9	16 18	22 24	22 22	8 45			n.a.
S 13	23 8	19 20	3 11	24 45	1 10	9 59	3 53	18 26	1 6	20 45	0 21	5 55	2 35	14 22	0 18	18 36	1 31	11 9	16 19	22 24	22 22	8 47			n.a.
M14	23 14	16 6	4 4	24 30	1 0	10 9	3 56	18 12	1 5	20 44	0 21	5 54	2 35	14 21	0 18	18 36	1 31	11 9	16 19	22 23	22 21	8 50			n.a.
T 15	23 19	11 58	4 45	24 15	0 48	10 19	3 58	17 59	1 4	20 42	0 21	5 53	2 34	14 21	0 18	18 36	1 31	11 9	16 20	22 23	22 21	8 52			n.a.
W16	23 23	7 11	5 10	23 58	0 35	10 30	4 1	17 45	1 3	20 41	0 21	5 52	2 34	14 20	0 18	18 36	1 31	11 9	16 20	22 23	22 21	8 54			n.a.
T 17	23 27	1 58	5 17	23 40	0 21	10 42	4 2	17 30	1 2	20 40	0 21	5 51	2 34	14 20	0 18	18 35	1 31	11 9	16 20	22 23	22 20	8 56			n.a.
F 18	23 31	3n24	5 5	23 22	0 6	10 54	4 4	17 16	1 2	20 39	0 20	5 50	2 33	14 19	0 18	18 35	1 31	11 9	16 21	22 23	22 20	8 59			n.a.
S 19	23 34	8 39	4 35	23 3	0n10	11 6	4 5	17 2	1 1	20 37	0 20	5 49	2 33	14 19	0 18	18 35	1 31	11 9	16 21	22 23	22 19	9 1			n.a.
S 20	23 37	13 28	3 47	22 44	0 27	11 19	4 7	16 47	1 0	20 36	0 20	5 48	2 33	14 18	0 18	18 34	1 31	11 9	16 22	22 23	22 19	9 3			n.a.
M21	23 39	17 32	2 46	22 25	0 45	11 32	4 7	16 33	0 59	20 35	0 20	5 46	2 33	14 18	0 18	18 34	1 31	11 9	16 23	22 23	22 18	9 5			n.a.
T 22	23 41	20 32	1 34	22 7	1 4	11 46	4 8	16 18	0 58	20 34	0 20	5 45	2 32	14 17	0 18	18 34	1 31	11 9	16 23	22 24	22 18	9 7			n.a.
W23	23 42	22 13	0 16	21 49	1 22	12 0	4 8	16 3	0 57	20 33	0 20	5 44	2 32	14 17	0 18	18 33	1 31	11 9	16 24	22 24	22 17	9 10			n.a.
T 24	23 43	22 29	1s 1	21 33	1 41	12 14	4 9	15 48	0 56	20 31	0 19	5 42	2 32	14 16	0 18	18 33	1 31	11 10	16 24	22 24	22 17	9 12			n.a.
F 25	23 43	21 21	2 14	21 17	2 0	12 29	4 9	15 32	0 56	20 30	0 19	5 41	2 32	14 16	0 18	18 33	1 31	11 10	16 25	22 23	22 16	9 14			n.a.
S 26	23 43	18 59	3 17	21 3	2 18	12 44	4 8	15 17	0 55	20 29	0 19	5 39	2 31	14 16	0 18	18 33	1 30	11 10	16 25	22 23	22 16	9 16			n.a.
S 27	23 43	15 40	4 8	20 50	2 35	12 59	4 8	15 2	0 54	20 28	0 19	5 38	2 31	14 15	0 18	18 32	1 30	11 10	16 26	22 23	22 16	9 19			n.a.
M28	23 42	11 42	4 45	20 38	2 50	13 14	4 7	14 46	0 53	20 27	0 19	5 36	2 31	14 15	0 18	18 32	1 30	11 10	16 26	22 22	22 15	9 21			n.a.
T 29	23 40	7 19	5 7	20 28	3 4	13 29	4 6	14 30	0 52	20 26	0 18	5 35	2 31	14 15	0 18	18 32	1 30	11 10	16 27	22 22	22 15	9 23			n.a.
W30	23 38	2 44	5 14	20 20	3 16	13 45	4 5	14 14	0 51	20 25	0 18	5 33	2 30	14 14	0 18	18 32	1 30	11 11	16 27	22 21	22 14	9 25			n.a.
T 31	23s35	1s52	5s 8	20s13	3n26	14s 0	4n 4	13s59	0s50	20n24	0s18	5s31	2s30	14n14	0s18	18n31	1s30	11n11	16n28	22s21	22s14	9s27			n.a.

Julian Day Number = 1633366.5, Delta T = 03h40m36s
Ecliptic obliquity = 23°43'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'54, Lahiri = - 7°16'53 Julian Calendar 1 Dec. 242 BCE == Greg. Calendar 27 Nov. 242 BCE

The year -241 astronomical counting style corresponds to year 242 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

JANUARY 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 23 22	6♑54'18	4♎53	3°R17	20♏48	26♒12	1°R22	22♓ 0	8°R30	28°R 9	9♎47	10°D56	10♐ 3	13♎57	n.a.	F 1
S 2	6 27 19	7°55'14	16°44	2♑ 5	21°43	26°56	1♊17	22° 4	8♉30	28♉ 8	9°48	10♐57	9°59	14° 3	n.a.	S 2
S 3	6 31 16	8°56'09	28°36	0°57	22°39	27°41	1°12	22° 8	8°29	28° 6	9°48	10°58	9°56	14°10	n.a.	S 3
M 4	6 35 12	9°57'02	10♏33	29♐55	23°35	28°25	1° 7	22°12	8°28	28° 5	9°49	11° 0	9°53	14°17	n.a.	M 4
T 5	6 39 9	10°57'55	22°40	29° 0	24°31	29° 9	1° 2	22°16	8°27	28° 4	9°49	11° 1	9°50	14°23	n.a.	T 5
W 6	6 43 5	11°58'47	5♐ 1	28°12	25°29	29°54	0°58	22°20	8°26	28° 3	9°49	11°R 3	9°47	14°30	n.a.	W 6
T 7	6 47 2	12°59'38	17°40	27°33	26°26	0♓38	0°53	22°24	8°25	28° 2	9°50	11° 3	9°44	14°37	n.a.	T 7
F 8	6 50 58	14° 0'27	0♑37	27° 2	27°25	1°22	0°49	22°29	8°25	28° 1	9°50	11° 1	9°40	14°44	n.a.	F 8
S 9	6 54 55	15° 1'15	13°53	26°39	28°23	2° 6	0°45	22°33	8°24	28° 0	9°50	10°58	9°37	14°50	n.a.	S 9
S 10	6 58 51	16° 2'02	27°28	26°24	29°22	2°50	0°41	22°37	8°24	27°59	9°51	10°53	9°34	14°57	n.a.	S 10
M11	7 2 48	17° 2'47	11♒17	26°D17	0♐22	3°35	0°38	22°42	8°23	27°58	9°51	10°47	9°31	15° 4	n.a.	M11
T 12	7 6 45	18° 3'30	25°19	26°17	1°22	4°19	0°34	22°47	8°23	27°57	9°51	10°41	9°28	15°10	n.a.	T 12
W13	7 10 41	19° 4'11	9♓29	26°25	2°22	5° 3	0°31	22°51	8°22	27°56	9°51	10°35	9°25	15°17	n.a.	W13
T 14	7 14 38	20° 4'51	23°41	26°39	3°23	5°47	0°28	22°56	8°22	27°55	9°51	10°31	9°21	15°24	n.a.	T 14
F 15	7 18 34	21° 5'29	7♈54	26°59	4°24	6°31	0°25	23° 1	8°22	27°54	9°51	10°28	9°18	15°30	n.a.	F 15
S 16	7 22 31	22° 6'05	22° 5	27°25	5°25	7°15	0°22	23° 6	8°21	27°53	9°R51	10°D27	9°15	15°37	n.a.	S 16
S 17	7 26 27	23° 6'39	6♉11	27°56	6°27	7°58	0°20	23°11	8°21	27°52	9°51	10°28	9°12	15°44	n.a.	S 17
M18	7 30 24	24° 7'11	20°11	28°31	7°29	8°42	0°17	23°16	8°21	27°51	9°51	10°29	9° 9	15°51	n.a.	M18
T 19	7 34 20	25° 7'41	4♊ 5	29°11	8°31	9°26	0°15	23°21	8°21	27°51	9°51	10°R30	9° 5	15°57	n.a.	T 19
W20	7 38 17	26° 8'09	17°51	29°56	9°34	10°10	0°13	23°27	8°D21	27°50	9°51	10°30	9° 2	16° 4	n.a.	W20
T 21	7 42 14	27° 8'36	1♋28	0♑44	10°37	10°54	0°11	23°32	8°21	27°49	9°51	10°28	8°59	16°11	n.a.	T 21
F 22	7 46 10	28° 9'00	14°55	1°35	11°40	11°37	0°10	23°38	8°21	27°49	9°51	10°24	8°56	16°17	n.a.	F 22
S 23	7 50 7	29° 9'22	28° 9	2°30	12°44	12°21	0° 9	23°43	8°21	27°48	9°51	10°17	8°53	16°24	n.a.	S 23
S 24	7 54 3	0♒ 9'43	11♌10	3°27	13°48	13° 5	0° 7	23°49	8°21	27°47	9°50	10° 9	8°50	16°31	n.a.	S 24
M25	7 58 0	1°10'02	23°55	4°28	14°52	13°48	0° 7	23°54	8°22	27°47	9°50	9°59	8°46	16°37	n.a.	M25
T 26	8 1 56	2°10'19	6♍26	5°30	15°56	14°32	0° 6	24° 0	8°22	27°46	9°50	9°50	8°43	16°44	n.a.	T 26
W27	8 5 53	3°10'34	18°42	6°36	17° 1	15°15	0° 5	24° 6	8°22	27°46	9°49	9°41	8°40	16°51	n.a.	W27
T 28	8 9 49	4°10'48	0♎46	7°43	18° 6	15°59	0° 5	24°12	8°23	27°45	9°49	9°33	8°37	16°58	n.a.	T 28
F 29	8 13 46	5°11'00	12°42	8°53	19°11	16°42	0°D 5	24°18	8°23	27°45	9°49	9°28	8°34	17° 4	n.a.	F 29
S 30	8 17 43	6°11'10	24°32	10° 4	20°16	17°25	0° 5	24°24	8°23	27°44	9°48	9°25	8°31	17°11	n.a.	S 30
S 31	8 21 39	7♒11'19	6♏23	11♑18	21♐21	18♓ 9	0♊ 5	24♓30	8♉24	27♉44	9♎48	9°D25	8♐27	17♎18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23 s32	6 s21	4 s48	20 s 8	3n33	14 s16	4n 3	13 s42	0 s50	20n23	0 s18	5 s30	2 s30	14n14	0 s18	18n31	1 s30	11n11	16n28	22 s21	22 s13	9 s30		n.a.
S 2	23 29	10 34	4 15	20 5	3 37	14 32	4 1	13 26	0 49	20 22	0 18	5 28	2 30	14 13	0 18	18 31	1 30	11 11	16 29	22 21	22 13	9 32		n.a.
S 3	23 25	14 24	3 32	20 4	3 40	14 47	4 0	13 10	0 48	20 21	0 18	5 26	2 29	14 13	0 18	18 31	1 30	11 12	16 29	22 21	22 12	9 34		n.a.
M 4	23 21	17 41	2 40	20 4	3 40	15 3	3 58	12 54	0 47	20 21	0 17	5 24	2 29	14 13	0 18	18 30	1 30	11 12	16 30	22 21	22 12	9 36		n.a.
T 5	23 16	20 15	1 39	20 6	3 38	15 19	3 56	12 37	0 46	20 20	0 17	5 23	2 29	14 12	0 18	18 30	1 30	11 12	16 30	22 22	22 11	9 38		n.a.
W 6	23 11	21 56	0 33	20 9	3 34	15 35	3 54	12 21	0 45	20 19	0 17	5 21	2 29	14 12	0 18	18 30	1 30	11 13	16 31	22 22	22 11	9 40		n.a.
T 7	23 5	22 33	0n36	20 14	3 28	15 50	3 51	12 4	0 44	20 18	0 17	5 19	2 28	14 12	0 18	18 30	1 30	11 13	16 31	22 22	22 10	9 43		n.a.
F 8	22 59	21 58	1 45	20 20	3 21	16 6	3 49	11 48	0 44	20 18	0 17	5 17	2 28	14 12	0 18	18 30	1 30	11 13	16 32	22 22	22 10	9 45		n.a.
S 9	22 52	20 11	2 50	20 28	3 13	16 21	3 47	11 31	0 43	20 17	0 16	5 15	2 28	14 12	0 18	18 29	1 30	11 14	16 33	22 21	22 9	9 47		n.a.
S 10	22 45	17 13	3 46	20 36	3 4	16 37	3 44	11 14	0 42	20 16	0 16	5 13	2 28	14 12	0 18	18 29	1 30	11 14	16 33	22 20	22 9	9 49		n.a.
M11	22 37	13 16	4 31	20 46	2 54	16 52	3 41	10 57	0 41	20 16	0 16	5 11	2 27	14 11	0 18	18 29	1 30	11 15	16 34	22 20	22 8	9 51		n.a.
T 12	22 29	8 32	4 59	20 56	2 44	17 7	3 38	10 40	0 40	20 15	0 16	5 9	2 27	14 11	0 18	18 29	1 30	11 15	16 34	22 19	22 8	9 53		n.a.
W13	22 21	3 19	5 10	21 7	2 33	17 22	3 35	10 23	0 39	20 15	0 16	5 7	2 27	14 11	0 18	18 29	1 30	11 15	16 35	22 18	22 7	9 56		n.a.
T 14	22 12	2n 5	5 2	21 19	2 22	17 36	3 32	10 6	0 39	20 14	0 15	5 5	2 27	14 11	0 18	18 28	1 30	11 16	16 35	22 17	22 7	9 58		n.a.
F 15	22 3	7 23	4 36	21 30	2 11	17 51	3 29	9 49	0 38	20 14	0 15	5 2	2 26	14 11	0 18	18 28	1 30	11 16	16 36	22 17	22 6	10 0		n.a.
S 16	21 53	12 17	3 52	21 42	2 0	18 5	3 26	9 31	0 37	20 13	0 15	5 0	2 26	14 11	0 17	18 28	1 30	11 17	16 36	22 17	22 6	10 2		n.a.
S 17	21 43	16 29	2 55	21 54	1 48	18 19	3 23	9 14	0 36	20 13	0 15	4 58	2 26	14 11	0 17	18 28	1 29	11 17	16 37	22 17	22 6	10 4		n.a.
M18	21 33	19 44	1 48	22 6	1 37	18 33	3 19	8 57	0 35	20 13	0 15	4 56	2 26	14 11	0 17	18 28	1 29	11 18	16 37	22 17	22 5	10 6		n.a.
T 19	21 22	21 47	0 35	22 18	1 26	18 46	3 16	8 39	0 35	20 12	0 15	4 53	2 26	14 11	0 17	18 28	1 29	11 18	16 38	22 17	22 5	10 9		n.a.
W20	21 10	22 30	0 s40	22 29	1 14	18 59	3 12	8 22	0 34	20 12	0 14	4 51	2 25	14 11	0 17	18 28	1 29	11 19	16 38	22 17	22 4	10 11		n.a.
T 21	20 59	21 52	1 51	22 40	1 3	19 12	3 8	8 4	0 33	20 12	0 14	4 49	2 25	14 11	0 17	18 28	1 29	11 19	16 39	22 17	22 4	10 13		n.a.
F 22	20 47	19 59	2 55	22 50	0 52	19 24	3 5	7 47	0 32	20 12	0 14	4 46	2 25	14 11	0 17	18 27	1 29	11 20	16 39	22 16	22 3	10 15		n.a.
S 23	20 34	17 3	3 48	23 0	0 42	19 36	3 1	7 29	0 31	20 12	0 14	4 44	2 25	14 11	0 17	18 27	1 29	11 20	16 40	22 15	22 3	10 17		n.a.
S 24	20 21	13 20	4 28	23 9	0 31	19 48	2 57	7 12	0 30	20 12	0 14	4 42	2 25	14 11	0 17	18 27	1 29	11 21	16 40	22 14	22 2	10 19		n.a.
M25	20 8	9 5	4 54	23 18	0 21	19 59	2 53	6 54	0 30	20 12	0 14	4 39	2 24	14 11	0 17	18 27	1 29	11 22	16 41	22 13	22 2	10 21		n.a.
T 26	19 55	4 32	5 5	23 25	0 11	20 10	2 49	6 36	0 29	20 12	0 13	4 37	2 24	14 11	0 17	18 27	1 29	11 22	16 41	22 11	22 1	10 23		n.a.
W27	19 41	0 s 6	5 2	23 32	0 2	20 21	2 45	6 19	0 28	20 12	0 13	4 34	2 24	14 11	0 17	18 27	1 29	11 23	16 42	22 10	22 1	10 26		n.a.
T 28	19 26	4 40	4 46	23 37	0 s 8	20 31	2 41	6 1	0 27	20 12	0 13	4 32	2 24	14 12	0 17	18 27	1 29	11 23	16 42	22 9	22 0	10 28		n.a.
F 29	19 12	9 0	4 17	23 42	0 17	20 40	2 37	5 43	0 27	20 12	0 13	4 29	2 24	14 12	0 17	18 27	1 29	11 24	16 43	22 8	22 0	10 30		n.a.
S 30	18 57	12 58	3 37	23 46	0 26	20 49	2 33	5 25	0 26	20 12	0 13	4 27	2 23	14 12	0 17	18 27	1 29	11 25	16 43	22 8	21 59	10 32		n.a.
S 31	18 s42	16 s26	2 s47	23 s48	0 s34	20 s58	2n29	5 s 7	0 s25	20n12	0 s12	4 s24	2 s23	14n12	0 s17	18n27	1 s29	11n25	16n44	22 s 7	21 s59	10 s34		n.a.

Julian Day Number = 1633397.5, Delta T = 03h40m35s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'50, Lahiri = - 7°16'49 Julian Calendar 1 Jan. 241 BCE == Greg. Calendar 28 Dec. 242 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

FEBRUARY 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 25 36	8♒11'26	18♏19	12♑33	22♐27	18♓52	0♊ 5	24♓36	8♉25	27°R43	9°R47	9♐25	8♐24	17♎24	n.a.	M 1
T 2	8 29 32	9°11'31	0♐25	13°50	23°33	19°35	0° 6	24°42	8°25	27♉43	9♎46	9°26	8°21	17°31	n.a.	T 2
W 3	8 33 29	10°11'35	12°48	15° 8	24°39	20°18	0° 7	24°48	8°26	27°43	9°46	9°R26	8°18	17°38	n.a.	W 3
T 4	8 37 25	11°11'37	25°30	16°28	25°45	21° 2	0° 8	24°54	8°27	27°43	9°45	9°25	8°15	17°44	n.a.	T 4
F 5	8 41 22	12°11'37	8♑36	17°50	26°52	21°45	0° 9	25° 1	8°28	27°42	9°45	9°21	8°11	17°51	n.a.	F 5
S 6	8 45 18	13°11'35	22° 7	19°13	27°58	22°28	0°11	25° 7	8°28	27°42	9°44	9°15	8° 8	17°58	n.a.	S 6
S 7	8 49 15	14°11'31	6♒ 1	20°37	29° 5	23°11	0°12	25°14	8°29	27°42	9°43	9° 6	8° 5	18° 4	n.a.	S 7
M 8	8 53 12	15°11'25	20°17	22° 3	0♑12	23°54	0°14	25°20	8°30	27°42	9°42	8°56	8° 2	18°11	n.a.	M 8
T 9	8 57 8	16°11'18	4♓47	23°30	1°19	24°37	0°16	25°27	8°31	27°42	9°42	8°45	7°59	18°18	n.a.	T 9
W10	9 1 5	17°11'07	19°25	24°59	2°26	25°20	0°18	25°33	8°32	27°42	9°41	8°35	7°56	18°25	n.a.	W10
T 11	9 5 1	18°10'55	4♈ 3	26°28	3°34	26° 3	0°21	25°40	8°34	27°D42	9°40	8°27	7°52	18°31	n.a.	T 11
F 12	9 8 58	19°10'40	18°35	27°59	4°41	26°45	0°23	25°47	8°35	27°42	9°39	8°21	7°49	18°38	n.a.	F 12
S 13	9 12 54	20°10'23	2♉56	29°32	5°49	27°28	0°26	25°54	8°36	27°42	9°38	8°18	7°46	18°45	n.a.	S 13
S 14	9 16 51	21°10'04	17° 4	1♒ 5	6°56	28°11	0°29	26° 0	8°37	27°42	9°37	8°D17	7°43	18°51	n.a.	S 14
M15	9 20 47	22° 9'42	0♊57	2°40	8° 4	28°54	0°32	26° 7	8°39	27°42	9°36	8°R17	7°40	18°58	n.a.	M15
T 16	9 24 44	23° 9'18	14°36	4°16	9°12	29°36	0°35	26°14	8°40	27°42	9°35	8°17	7°37	19° 5	n.a.	T 16
W17	9 28 41	24° 8'51	28° 3	5°53	10°20	0♈19	0°39	26°21	8°41	27°42	9°34	8°15	7°33	19°11	n.a.	W17
T 18	9 32 37	25° 8'22	11♋17	7°32	11°29	1° 2	0°43	26°28	8°43	27°43	9°33	8°12	7°30	19°18	n.a.	T 18
F 19	9 36 34	26° 7'51	24°20	9°11	12°37	1°44	0°46	26°35	8°44	27°43	9°32	8° 5	7°27	19°25	n.a.	F 19
S 20	9 40 30	27° 7'17	7♌13	10°52	13°45	2°27	0°50	26°42	8°46	27°43	9°31	7°55	7°24	19°31	n.a.	S 20
S 21	9 44 27	28° 6'41	19°54	12°35	14°54	3° 9	0°55	26°49	8°47	27°43	9°30	7°43	7°21	19°38	n.a.	S 21
M22	9 48 23	29° 6'03	2♍25	14°18	16° 3	3°51	0°59	26°57	8°49	27°44	9°29	7°30	7°17	19°45	n.a.	M22
T 23	9 52 20	0♓ 5'22	14°45	16° 3	17°11	4°34	1° 4	27° 4	8°51	27°44	9°28	7°16	7°14	19°52	n.a.	T 23
W24	9 56 16	1° 4'40	26°54	17°50	18°20	5°16	1° 8	27°11	8°53	27°45	9°26	7° 3	7°11	19°58	n.a.	W24
T 25	10 0 13	2° 3'55	8♎54	19°37	19°29	5°58	1°13	27°18	8°54	27°45	9°25	6°52	7° 8	20° 5	n.a.	T 25
F 26	10 4 9	3° 3'09	20°47	21°26	20°38	6°41	1°18	27°26	8°56	27°46	9°24	6°44	7° 5	20°12	n.a.	F 26
S 27	10 8 6	4° 2'20	2♏36	23°16	21°47	7°23	1°23	27°33	8°58	27°46	9°23	6°38	7° 2	20°18	n.a.	S 27
S 28	10 12 3	5° 1'30	14°26	25° 8	22°57	8° 5	1°29	27°40	9° 0	27°47	9°21	6°35	6°58	20°25	n.a.	S 28
M29	10 15 59	6♓ 0'38	26♏20	27♒ 1	24♑ 6	8♈47	1♊34	27♓48	9♉ 2	27♉47	9♎20	6♐34	6♐55	20♎32	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	18s26	19s15	1s51	23s49	0s42	21s 6	2n24	4s50	0s24	20n13	0s12	4s21	2s23	14n12	0s17	18n27	1s29	11n26	16n44	22s 8	21s58	10s36		n.a.	M 1
T 2	18 10	21 16	0 48	23 49	0 50	21 14	2 20	4 32	0 23	20 13	0 12	4 19	2 23	14 13	0 17	18 27	1 29	11 27	16 45	22 8	21 58	10 38		n.a.	T 2
W 3	17 54	22 18	0n18	23 48	0 58	21 21	2 16	4 14	0 23	20 13	0 12	4 16	2 23	14 13	0 17	18 27	1 29	11 27	16 45	22 8	21 57	10 40		n.a.	W 3
T 4	17 37	22 14	1 25	23 46	1 5	21 28	2 11	3 56	0 22	20 14	0 12	4 13	2 23	14 13	0 17	18 27	1 28	11 28	16 46	22 8	21 57	10 42		n.a.	T 4
F 5	17 21	20 58	2 29	23 42	1 12	21 34	2 7	3 38	0 21	20 14	0 12	4 11	2 22	14 13	0 17	18 27	1 28	11 29	16 46	22 7	21 56	10 44		n.a.	F 5
S 6	17 3	18 29	3 27	23 37	1 18	21 40	2 3	3 20	0 20	20 15	0 11	4 8	2 22	14 14	0 17	18 27	1 28	11 29	16 47	22 6	21 55	10 46		n.a.	S 6
S 7	16 46	14 53	4 14	23 30	1 24	21 45	1 58	3 2	0 20	20 15	0 11	4 5	2 22	14 14	0 17	18 27	1 28	11 30	16 47	22 5	21 55	10 49		n.a.	S 7
M 8	16 28	10 22	4 47	23 23	1 30	21 49	1 54	2 44	0 19	20 16	0 11	4 3	2 22	14 14	0 17	18 27	1 28	11 31	16 48	22 3	21 54	10 51		n.a.	M 8
T 9	16 10	5 12	5 2	23 13	1 36	21 53	1 50	2 26	0 18	20 16	0 11	4 0	2 22	14 15	0 17	18 27	1 28	11 31	16 48	22 1	21 54	10 53		n.a.	T 9
W10	15 52	0n18	4 57	23 2	1 41	21 57	1 45	2 8	0 17	20 17	0 11	3 57	2 22	14 15	0 17	18 27	1 28	11 32	16 49	22 0	21 53	10 55		n.a.	W10
T 11	15 34	5 48	4 33	22 50	1 45	22 0	1 41	1 51	0 16	20 18	0 11	3 54	2 22	14 15	0 17	18 27	1 28	11 33	16 49	21 58	21 53	10 57		n.a.	T 11
F 12	15 15	10 56	3 52	22 36	1 50	22 2	1 36	1 33	0 16	20 18	0 10	3 51	2 21	14 16	0 17	18 27	1 28	11 34	16 49	21 58	21 52	10 59		n.a.	F 12
S 13	14 56	15 23	2 56	22 21	1 54	22 4	1 32	1 15	0 15	20 19	0 10	3 48	2 21	14 16	0 17	18 27	1 28	11 34	16 50	21 57	21 52	11 1		n.a.	S 13
S 14	14 37	18 53	1 50	22 4	1 57	22 5	1 28	0 57	0 14	20 20	0 10	3 46	2 21	14 17	0 17	18 27	1 28	11 35	16 50	21 57	21 51	11 3		n.a.	S 14
M15	14 17	21 13	0 39	21 45	2 0	22 5	1 23	0 39	0 14	20 21	0 10	3 43	2 21	14 17	0 17	18 27	1 28	11 36	16 51	21 57	21 51	11 5		n.a.	M15
T 16	13 58	22 16	0s34	21 25	2 3	22 5	1 19	0 21	0 13	20 21	0 10	3 40	2 21	14 18	0 17	18 27	1 28	11 37	16 51	21 57	21 50	11 7		n.a.	T 16
W17	13 38	22 0	1 43	21 3	2 6	22 5	1 14	0 3	0 12	20 22	0 10	3 37	2 21	14 18	0 17	18 28	1 28	11 37	16 51	21 57	21 50	11 9		n.a.	W17
T 18	13 18	20 30	2 45	20 39	2 7	22 4	1 10	0n14	0 11	20 23	0 9	3 34	2 21	14 19	0 17	18 28	1 28	11 38	16 52	21 56	21 49	11 11		n.a.	T 18
F 19	12 57	17 56	3 38	20 14	2 9	22 2	1 6	0 32	0 11	20 24	0 9	3 31	2 21	14 19	0 17	18 28	1 28	11 39	16 52	21 55	21 49	11 13		n.a.	F 19
S 20	12 37	14 31	4 19	19 47	2 10	21 59	1 1	0 50	0 10	20 25	0 9	3 28	2 20	14 20	0 17	18 28	1 28	11 40	16 53	21 53	21 48	11 15		n.a.	S 20
S 21	12 16	10 30	4 46	19 19	2 11	21 56	0 57	1 8	0 9	20 26	0 9	3 25	2 20	14 20	0 17	18 28	1 28	11 40	16 53	21 51	21 48	11 17		n.a.	S 21
M22	11 55	6 5	4 59	18 49	2 11	21 53	0 53	1 25	0 8	20 27	0 9	3 22	2 20	14 21	0 17	18 28	1 27	11 41	16 53	21 49	21 47	11 19		n.a.	M22
T 23	11 34	1 31	4 58	18 17	2 10	21 48	0 48	1 43	0 8	20 28	0 9	3 19	2 20	14 21	0 17	18 28	1 27	11 42	16 54	21 47	21 47	11 21		n.a.	T 23
W24	11 13	3s 4	4 43	17 43	2 9	21 43	0 44	2 1	0 7	20 30	0 9	3 16	2 20	14 22	0 17	18 28	1 27	11 43	16 54	21 45	21 46	11 23		n.a.	W24
T 25	10 52	7 28	4 15	17 8	2 8	21 38	0 40	2 18	0 6	20 31	0 8	3 13	2 20	14 22	0 17	18 29	1 27	11 43	16 54	21 43	21 46	11 25		n.a.	T 25
F 26	10 30	11 33	3 37	16 31	2 6	21 32	0 36	2 36	0 6	20 32	0 8	3 10	2 20	14 23	0 17	18 29	1 27	11 44	16 55	21 41	21 45	11 27		n.a.	F 26
S 27	10 9	15 10	2 49	15 52	2 4	21 25	0 32	2 53	0 5	20 33	0 8	3 7	2 20	14 24	0 17	18 29	1 27	11 45	16 55	21 40	21 44	11 29		n.a.	S 27
S 28	9 47	18 10	1 54	15 12	2 1	21 18	0 27	3 11	0 4	20 34	0 8	3 4	2 20	14 24	0 16	18 29	1 27	11 46	16 55	21 40	21 44	11 31		n.a.	S 28
M29	9s25	20s26	0s54	14s29	1s58	21s10	0n23	3n28	0s 3	20n36	0s 8	3s 1	2s20	14n25	0s16	18n29	1s27	11n47	16n56	21s40	21s43	11s33		n.a.	M29

Julian Day Number = 1633428.5, Delta T = 03h40m34s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'45, Lahiri = - 7°16'45 Julian Calendar 1 Feb. 241 BCE == Greg. Calendar 28 Jan. 241 BCE

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

MARCH 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 19 56	6♓59'44	8♐24	28♒55	25♑15	9♈29	1♊40	27♓55	9♉ 4	27♉48	9°R19	6°R33	6♐52	20♎38	n.a.	T 1
W 2	10 23 52	7°58'48	20°44	0♓51	26°25	10°11	1°46	28° 2	9° 6	27°49	9♎17	6♐33	6°49	20°45	n.a.	W 2
T 3	10 27 49	8°57'50	3♑25	2°48	27°34	10°53	1°52	28°10	9° 8	27°49	9°16	6°32	6°46	20°52	n.a.	T 3
F 4	10 31 45	9°56'51	16°31	4°46	28°44	11°35	1°58	28°17	9°10	27°50	9°15	6°28	6°42	20°58	n.a.	F 4
S 5	10 35 42	10°55'49	0♒ 5	6°46	29°54	12°17	2° 4	28°25	9°12	27°51	9°13	6°22	6°39	21° 5	n.a.	S 5
S 6	10 39 38	11°54'46	14° 8	8°47	1♒ 4	12°59	2°11	28°33	9°15	27°52	9°12	6°13	6°36	21°12	n.a.	S 6
M 7	10 43 35	12°53'40	28°37	10°49	2°13	13°41	2°17	28°40	9°17	27°52	9°10	6° 2	6°33	21°18	n.a.	M 7
T 8	10 47 32	13°52'33	13♓25	12°52	3°23	14°23	2°24	28°48	9°19	27°53	9° 9	5°50	6°30	21°25	n.a.	T 8
W 9	10 51 28	14°51'23	28°26	14°55	4°33	15° 4	2°31	28°55	9°21	27°54	9° 7	5°39	6°27	21°32	n.a.	W 9
T 10	10 55 25	15°50'11	13♈28	17° 0	5°43	15°46	2°38	29° 3	9°24	27°55	9° 6	5°30	6°23	21°38	n.a.	T 10
F 11	10 59 21	16°48'57	28°23	19° 6	6°53	16°28	2°45	29°11	9°26	27°56	9° 4	5°24	6°20	21°45	n.a.	F 11
S 12	11 3 18	17°47'41	13♉ 2	21°11	8° 4	17° 9	2°53	29°18	9°29	27°57	9° 3	5°20	6°17	21°52	n.a.	S 12
S 13	11 7 14	18°46'22	27°23	23°17	9°14	17°51	3° 0	29°26	9°31	27°58	9° 1	5°18	6°14	21°59	n.a.	S 13
M14	11 11 11	19°45'01	11♊22	25°24	10°24	18°32	3° 8	29°34	9°34	27°59	9° 0	5°D18	6°11	22° 5	n.a.	M14
T 15	11 15 7	20°43'38	25° 0	27°29	11°34	19°14	3°15	29°41	9°36	28° 0	8°58	5°R18	6° 8	22°12	n.a.	T 15
W16	11 19 4	21°42'12	8♋19	29°34	12°45	19°55	3°23	29°49	9°39	28° 1	8°56	5°17	6° 4	22°19	n.a.	W16
T 17	11 23 0	22°40'45	21°21	1♈39	13°55	20°37	3°31	29°57	9°41	28° 2	8°55	5°14	6° 1	22°25	n.a.	T 17
F 18	11 26 57	23°39'14	4♌ 9	3°42	15° 6	21°18	3°39	0♈ 4	9°44	28° 3	8°53	5° 8	5°58	22°32	n.a.	F 18
S 19	11 30 54	24°37'42	16°44	5°43	16°16	21°59	3°48	0°12	9°47	28° 5	8°52	5° 0	5°55	22°39	n.a.	S 19
S 20	11 34 50	25°36'07	29° 9	7°43	17°27	22°41	3°56	0°20	9°49	28° 6	8°50	4°49	5°52	22°45	n.a.	S 20
M21	11 38 47	26°34'30	11♍25	9°41	18°37	23°22	4° 4	0°28	9°52	28° 7	8°48	4°37	5°48	22°52	n.a.	M21
T 22	11 42 43	27°32'52	23°32	11°36	19°48	24° 3	4°13	0°35	9°55	28° 8	8°47	4°25	5°45	22°59	n.a.	T 22
W23	11 46 40	28°31'11	5♎32	13°28	20°59	24°44	4°22	0°43	9°58	28°10	8°45	4°13	5°42	23° 5	n.a.	W23
T 24	11 50 36	29°29'28	17°27	15°17	22° 9	25°25	4°31	0°51	10° 1	28°11	8°43	4° 3	5°39	23°12	n.a.	T 24
F 25	11 54 33	0♈27'44	29°17	17° 3	23°20	26° 7	4°40	0°59	10° 4	28°12	8°42	3°55	5°36	23°19	n.a.	F 25
S 26	11 58 29	1°25'58	11♏ 6	18°45	24°31	26°48	4°49	1° 6	10° 6	28°14	8°40	3°50	5°33	23°25	n.a.	S 26
S 27	12 2 26	2°24'10	22°55	20°24	25°42	27°29	4°58	1°14	10° 9	28°15	8°38	3°48	5°29	23°32	n.a.	S 27
M28	12 6 22	3°22'20	4♐50	21°59	26°53	28°10	5° 7	1°22	10°12	28°16	8°37	3°D47	5°26	23°39	n.a.	M28
T 29	12 10 19	4°20'29	16°54	23°29	28° 4	28°50	5°17	1°30	10°15	28°18	8°35	3°47	5°23	23°45	n.a.	T 29
W30	12 14 16	5°18'37	29°13	24°56	29°15	29°31	5°26	1°37	10°18	28°19	8°33	3°48	5°20	23°52	n.a.	W30
T 31	12 18 12	6♈16'42	11♑51	26♈18	0♓26	0♉12	5♊36	1♈45	10♉21	28♉21	8♎32	3°R48	5♐17	23♎59	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9s 3	21s48	0n10	13s45	1s54	21s 1	0n19	3n46	0s 3	20n37	0s 8	2s58	2s19	14n26	0s16	18n30	1s27	11n47	16n56	21s40	21s43	11s35			n.a.
W 2	8 41	22 10	1 14	13 0	1 49	20 52	0 15	4 3	0 2	20 38	0 7	2 55	2 19	14 26	0 16	18 30	1 27	11 48	16 56	21 40	21 42	11 37			n.a.
T 3	8 18	21 24	2 17	12 13	1 44	20 42	0 11	4 20	0 1	20 40	0 7	2 52	2 19	14 27	0 16	18 30	1 27	11 49	16 56	21 39	21 42	11 39			n.a.
F 4	7 56	19 28	3 15	11 24	1 39	20 32	0 8	4 37	0 1	20 41	0 7	2 49	2 19	14 28	0 16	18 30	1 27	11 50	16 57	21 39	21 41	11 41			n.a.
S 5	7 33	16 25	4 3	10 34	1 32	20 21	0 4	4 55	0 0	20 42	0 7	2 46	2 19	14 28	0 16	18 30	1 27	11 51	16 57	21 38	21 41	11 43			n.a.
S 6	7 11	12 20	4 39	9 42	1 26	20 10	0s 0	5 12	0n 1	20 44	0 7	2 43	2 19	14 29	0 16	18 31	1 27	11 51	16 57	21 36	21 40	11 45			n.a.
M 7	6 48	7 26	4 58	8 48	1 19	19 58	0 4	5 29	0 1	20 45	0 7	2 39	2 19	14 30	0 16	18 31	1 27	11 52	16 57	21 34	21 40	11 47			n.a.
T 8	6 25	2 1	4 58	7 54	1 11	19 45	0 8	5 46	0 2	20 47	0 7	2 36	2 19	14 31	0 16	18 31	1 27	11 53	16 58	21 32	21 39	11 49			n.a.
W 9	6 2	3n36	4 38	6 58	1 3	19 32	0 11	6 3	0 3	20 48	0 6	2 33	2 19	14 31	0 16	18 31	1 27	11 54	16 58	21 30	21 38	11 51			n.a.
T 10	5 39	9 1	3 58	6 1	0 54	19 18	0 15	6 20	0 3	20 50	0 6	2 30	2 19	14 32	0 16	18 32	1 26	11 54	16 58	21 29	21 38	11 53			n.a.
F 11	5 16	13 51	3 2	5 3	0 45	19 4	0 18	6 36	0 4	20 51	0 6	2 27	2 19	14 33	0 16	18 32	1 26	11 55	16 58	21 27	21 37	11 55			n.a.
S 12	4 53	17 46	1 55	4 4	0 35	18 49	0 22	6 53	0 5	20 53	0 6	2 24	2 19	14 34	0 16	18 32	1 26	11 56	16 58	21 27	21 37	11 57			n.a.
S 13	4 30	20 29	0 42	3 4	0 25	18 34	0 25	7 10	0 5	20 55	0 6	2 21	2 19	14 35	0 16	18 32	1 26	11 57	16 59	21 26	21 36	11 59			n.a.
M14	4 6	21 53	0s32	2 4	0 14	18 18	0 29	7 26	0 6	20 56	0 6	2 18	2 19	14 35	0 16	18 33	1 26	11 58	16 59	21 26	21 36	12 1			n.a.
T 15	3 43	21 55	1 42	1 4	0 4	18 2	0 32	7 43	0 7	20 58	0 6	2 14	2 19	14 36	0 16	18 33	1 26	11 58	16 59	21 26	21 35	12 3			n.a.
W16	3 20	20 42	2 46	0 4	0n 7	17 45	0 35	7 59	0 7	20 59	0 6	2 11	2 19	14 37	0 16	18 33	1 26	11 59	16 59	21 26	21 35	12 5			n.a.
T 17	2 56	18 25	3 39	0n57	0 18	17 28	0 38	8 16	0 8	21 1	0 5	2 8	2 19	14 38	0 16	18 34	1 26	12 0	16 59	21 26	21 34	12 7			n.a.
F 18	2 33	15 15	4 19	1 56	0 30	17 10	0 42	8 32	0 8	21 3	0 5	2 5	2 19	14 39	0 16	18 34	1 26	12 1	16 59	21 25	21 33	12 9			n.a.
S 19	2 10	11 27	4 47	2 55	0 41	16 51	0 45	8 48	0 9	21 5	0 5	2 2	2 19	14 40	0 16	18 34	1 26	12 1	17 0	21 23	21 33	12 11			n.a.
S 20	1 46	7 13	5 0	3 54	0 52	16 33	0 48	9 4	0 10	21 6	0 5	1 59	2 19	14 41	0 16	18 35	1 26	12 2	17 0	21 21	21 32	12 13			n.a.
M21	1 23	2 45	5 0	4 51	1 3	16 13	0 50	9 20	0 10	21 8	0 5	1 56	2 19	14 42	0 16	18 35	1 26	12 3	17 0	21 19	21 32	12 15			n.a.
T 22	0 59	1s46	4 46	5 46	1 14	15 54	0 53	9 36	0 11	21 10	0 5	1 53	2 19	14 42	0 16	18 35	1 26	12 3	17 0	21 17	21 31	12 17			n.a.
W23	0 36	6 11	4 19	6 40	1 25	15 33	0 56	9 52	0 12	21 11	0 5	1 49	2 18	14 43	0 16	18 36	1 26	12 4	17 0	21 14	21 31	12 19			n.a.
T 24	0 12	10 19	3 41	7 33	1 35	15 13	0 59	10 8	0 12	21 13	0 5	1 46	2 18	14 44	0 16	18 36	1 26	12 5	17 0	21 13	21 30	12 20			n.a.
F 25	0n11	14 3	2 53	8 23	1 45	14 52	1 1	10 24	0 13	21 15	0 4	1 43	2 18	14 45	0 16	18 36	1 26	12 6	17 0	21 11	21 30	12 22			n.a.
S 26	0 35	17 12	1 58	9 11	1 54	14 30	1 4	10 39	0 13	21 17	0 4	1 40	2 18	14 46	0 16	18 37	1 26	12 6	17 0	21 10	21 29	12 24			n.a.
S 27	0 58	19 39	0 58	9 57	2 3	14 9	1 6	10 55	0 14	21 19	0 4	1 37	2 18	14 47	0 16	18 37	1 26	12 7	17 0	21 10	21 28	12 26			n.a.
M28	1 21	21 16	0n 6	10 41	2 11	13 46	1 9	11 10	0 15	21 20	0 4	1 34	2 18	14 48	0 16	18 37	1 26	12 8	17 0	21 9	21 28	12 28			n.a.
T 29	1 45	21 55	1 10	11 22	2 18	13 24	1 11	11 26	0 15	21 22	0 4	1 31	2 19	14 49	0 16	18 38	1 25	12 8	17 0	21 10	21 27	12 30			n.a.
W30	2 8	21 31	2 12	12 0	2 25	13 1	1 13	11 41	0 16	21 24	0 4	1 28	2 19	14 50	0 16	18 38	1 25	12 9	17 0	21 10	21 27	12 32			n.a.
T 31	2n31	20s 2	3n10	12n37	2n31	12s38	1s15	11n56	0n16	21n26	0s 4	1s25	2s19	14n51	0s16	18n38	1s25	12n10	17n 0	21s10	21s26	12s34			n.a.

Julian Day Number = 1633457.5, Delta T = 03h40m33s
Ecliptic obliquity = 23°43'25, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'41, Lahiri = - 7°16'41 Julian Calendar 1 March 241 BCE == Greg. Calendar 26 Feb. 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

APRIL 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 22 9	7♈14'47	24♋54	27♈37	1♓37	0♉53	5♊45	1♈53	10♉24	28♉22	8°R30	3°R47	5♐14	24♎ 5	n.a.	F 1
S 2	12 26 5	8°12'50	8♒24	28°50	2°48	1°34	5°55	2° 1	10°27	28°24	8♎28	3♐43	5°10	24°12	n.a.	S 2
S 3	12 30 2	9°10'51	22°23	29°59	3°59	2°15	6° 5	2° 8	10°31	28°25	8°27	3°38	5° 7	24°19	n.a.	S 3
M 4	12 33 58	10° 8'51	6♓51	1♉ 4	5°10	2°55	6°15	2°16	10°34	28°27	8°25	3°30	5° 4	24°26	n.a.	M 4
T 5	12 37 55	11° 6'49	21°42	2° 4	6°22	3°36	6°25	2°24	10°37	28°29	8°23	3°22	5° 1	24°32	n.a.	T 5
W 6	12 41 51	12° 4'46	6♈50	2°59	7°33	4°17	6°36	2°32	10°40	28°30	8°21	3°15	4°58	24°39	n.a.	W 6
T 7	12 45 48	13° 2'41	22° 4	3°50	8°44	4°57	6°46	2°39	10°43	28°32	8°20	3° 8	4°54	24°46	n.a.	T 7
F 8	12 49 45	14° 0'34	7♉15	4°35	9°56	5°38	6°56	2°47	10°46	28°34	8°18	3° 4	4°51	24°52	n.a.	F 8
S 9	12 53 41	14°58'26	22°11	5°16	11° 7	6°18	7° 7	2°55	10°50	28°35	8°16	3° 1	4°48	24°59	n.a.	S 9
S 10	12 57 38	15°56'16	6♊47	5°52	12°18	6°59	7°17	3° 2	10°53	28°37	8°15	3°D 1	4°45	25° 6	n.a.	S 10
M11	13 1 34	16°54'05	20°58	6°23	13°30	7°39	7°28	3°10	10°56	28°39	8°13	3° 2	4°42	25°12	n.a.	M11
T 12	13 5 31	17°51'51	4♋45	6°49	14°41	8°20	7°39	3°18	11° 0	28°41	8°11	3° 3	4°39	25°19	n.a.	T 12
W13	13 9 27	18°49'36	18° 7	7°10	15°53	9° 0	7°50	3°25	11° 3	28°42	8°10	3°R 4	4°35	25°26	n.a.	W13
T 14	13 13 24	19°47'19	1♌ 7	7°25	17° 4	9°41	8° 0	3°33	11° 6	28°44	8° 8	3° 3	4°32	25°32	n.a.	T 14
F 15	13 17 20	20°45'00	13°48	7°36	18°16	10°21	8°11	3°40	11°10	28°46	8° 6	3° 1	4°29	25°39	n.a.	F 15
S 16	13 21 17	21°42'39	26°15	7°42	19°27	11° 1	8°23	3°48	11°13	28°48	8° 5	2°56	4°26	25°46	n.a.	S 16
S 17	13 25 14	22°40'17	8♍29	7°R43	20°39	11°41	8°34	3°55	11°16	28°50	8° 3	2°51	4°23	25°52	n.a.	S 17
M18	13 29 10	23°37'53	20°34	7°39	21°50	12°22	8°45	4° 3	11°20	28°52	8° 2	2°44	4°19	25°59	n.a.	M18
T 19	13 33 7	24°35'27	2♎32	7°31	23° 2	13° 2	8°56	4°10	11°23	28°54	8° 0	2°37	4°16	26° 6	n.a.	T 19
W20	13 37 3	25°33'00	14°26	7°18	24°14	13°42	9° 8	4°18	11°26	28°56	7°58	2°30	4°13	26°12	n.a.	W20
T 21	13 41 0	26°30'32	26°16	7° 2	25°25	14°22	9°19	4°25	11°30	28°57	7°57	2°25	4°10	26°19	n.a.	T 21
F 22	13 44 56	27°28'03	8♏ 5	6°41	26°37	15° 2	9°31	4°32	11°33	28°59	7°55	2°20	4° 7	26°26	n.a.	F 22
S 23	13 48 53	28°25'32	19°56	6°17	27°49	15°42	9°42	4°40	11°37	29° 1	7°54	2°18	4° 4	26°32	n.a.	S 23
S 24	13 52 49	29°23'01	1♐49	5°51	29° 1	16°22	9°54	4°47	11°40	29° 3	7°52	2°D17	4° 0	26°39	n.a.	S 24
M25	13 56 46	0♉20'28	13°49	5°21	0♈12	17° 2	10° 6	4°54	11°44	29° 5	7°51	2°18	3°57	26°46	n.a.	M25
T 26	14 0 43	1°17'54	25°58	4°50	1°24	17°42	10°17	5° 2	11°47	29° 7	7°49	2°19	3°54	26°52	n.a.	T 26
W27	14 4 39	2°15'20	8♋21	4°17	2°36	18°22	10°29	5° 9	11°51	29° 9	7°48	2°21	3°51	26°59	n.a.	W27
T 28	14 8 36	3°12'44	21° 0	3°44	3°48	19° 2	10°41	5°16	11°54	29°11	7°46	2°22	3°48	27° 6	n.a.	T 28
F 29	14 12 32	4°10'08	4♒ 1	3°10	5° 0	19°42	10°53	5°23	11°58	29°13	7°45	2°R23	3°45	27°12	n.a.	F 29
S 30	14 16 29	5♉ 7'31	17♒26	2♉36	6♈12	20♉21	11♊ 5	5♈30	12♉ 1	29♉16	7♎43	2♐22	3♐41	27♎19	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n55	17s29	3n59	13n10	2n36	12s14	1s18	12n11	0n17	21n28	0s 4	1s21	2s19	14n52	0s16	18n39	1s25	12n10	17n 0	21s 9	21s26	12s36		n.a.
S 2	3 18	13 55	4 37	13 41	2 40	11 50	1 20	12 26	0 18	21 30	0 3	1 18	2 19	14 53	0 16	18 39	1 25	12 11	17 0	21 9	21 25	12 38		n.a.
S 3	3 41	9 29	5 1	14 9	2 44	11 26	1 21	12 41	0 18	21 32	0 3	1 15	2 19	14 54	0 16	18 40	1 25	12 12	17 0	21 8	21 24	12 40		n.a.
M 4	4 4	4 22	5 6	14 34	2 46	11 1	1 23	12 55	0 19	21 33	0 3	1 12	2 19	14 55	0 16	18 40	1 25	12 12	17 0	21 6	21 24	12 41		n.a.
T 5	4 27	1n 7	4 51	14 57	2 48	10 36	1 25	13 10	0 19	21 35	0 3	1 9	2 19	14 56	0 16	18 40	1 25	12 13	17 0	21 5	21 23	12 43		n.a.
W 6	4 50	6 39	4 16	15 17	2 48	10 11	1 27	13 24	0 20	21 37	0 3	1 6	2 19	14 57	0 16	18 41	1 25	12 13	17 0	21 3	21 23	12 45		n.a.
T 7	5 13	11 49	3 22	15 34	2 48	9 45	1 28	13 39	0 20	21 39	0 3	1 3	2 19	14 58	0 16	18 41	1 25	12 14	17 0	21 2	21 22	12 47		n.a.
F 8	5 35	16 12	2 14	15 49	2 46	9 19	1 30	13 53	0 21	21 41	0 3	1 0	2 19	14 59	0 16	18 42	1 25	12 15	17 0	21 1	21 21	12 49		n.a.
S 9	5 58	19 28	0 58	16 0	2 44	8 53	1 31	14 7	0 22	21 43	0 3	0 57	2 19	15 0	0 16	18 42	1 25	12 15	17 0	21 1	21 21	12 51		n.a.
S 10	6 21	21 22	0s20	16 9	2 40	8 27	1 33	14 21	0 22	21 45	0 2	0 54	2 19	15 1	0 16	18 42	1 25	12 16	17 0	21 1	21 20	12 53		n.a.
M11	6 43	21 49	1 36	16 15	2 36	8 0	1 34	14 35	0 23	21 47	0 2	0 51	2 19	15 2	0 16	18 43	1 25	12 16	17 0	21 1	21 20	12 54		n.a.
T 12	7 5	20 55	2 43	16 18	2 30	7 34	1 35	14 49	0 23	21 48	0 2	0 48	2 19	15 3	0 16	18 43	1 25	12 17	16 59	21 1	21 19	12 56		n.a.
W13	7 28	18 51	3 40	16 19	2 23	7 7	1 36	15 3	0 24	21 50	0 2	0 45	2 19	15 4	0 16	18 44	1 25	12 17	16 59	21 1	21 19	12 58		n.a.
T 14	7 50	15 52	4 23	16 17	2 15	6 39	1 37	15 16	0 24	21 52	0 2	0 42	2 19	15 5	0 16	18 44	1 25	12 18	16 59	21 1	21 18	13 0		n.a.
F 15	8 12	12 12	4 53	16 12	2 6	6 12	1 38	15 29	0 25	21 54	0 2	0 39	2 19	15 6	0 16	18 45	1 25	12 18	16 59	21 0	21 17	13 2		n.a.
S 16	8 34	8 6	5 8	16 4	1 56	5 44	1 39	15 43	0 25	21 56	0 2	0 36	2 19	15 7	0 16	18 45	1 25	12 19	16 59	21 0	21 17	13 4		n.a.
S 17	8 55	3 44	5 8	15 54	1 45	5 17	1 40	15 56	0 26	21 58	0 2	0 33	2 19	15 9	0 16	18 46	1 25	12 19	16 59	20 59	21 16	13 6		n.a.
M18	9 17	0s44	4 55	15 41	1 33	4 49	1 41	16 9	0 26	22 0	0 2	0 30	2 19	15 10	0 16	18 46	1 25	12 20	16 58	20 57	21 16	13 7		n.a.
T 19	9 38	5 7	4 29	15 26	1 20	4 21	1 41	16 22	0 27	22 2	0 1	0 27	2 19	15 11	0 16	18 46	1 25	12 20	16 58	20 56	21 15	13 9		n.a.
W20	10 0	9 18	3 51	15 9	1 6	3 52	1 42	16 34	0 28	22 4	0 1	0 24	2 20	15 12	0 16	18 47	1 25	12 21	16 58	20 54	21 14	13 11		n.a.
T 21	10 21	13 6	3 4	14 49	0 51	3 24	1 42	16 47	0 28	22 5	0 1	0 21	2 20	15 13	0 16	18 47	1 25	12 21	16 58	20 53	21 14	13 13		n.a.
F 22	10 42	16 23	2 8	14 28	0 35	2 56	1 43	17 0	0 29	22 7	0 1	0 18	2 20	15 14	0 16	18 48	1 25	12 22	16 58	20 53	21 13	13 15		n.a.
S 23	11 2	19 0	1 7	14 5	0 19	2 27	1 43	17 12	0 29	22 9	0 1	0 16	2 20	15 15	0 16	18 48	1 24	12 22	16 57	20 52	21 13	13 16		n.a.
S 24	11 23	20 49	0 3	13 40	0 2	1 58	1 43	17 24	0 30	22 11	0 1	0 13	2 20	15 16	0 16	18 49	1 24	12 22	16 57	20 52	21 12	13 18		n.a.
M25	11 44	21 41	1n 3	13 14	0s15	1 30	1 43	17 36	0 30	22 13	0 1	0 10	2 20	15 17	0 16	18 49	1 24	12 23	16 57	20 52	21 11	13 20		n.a.
T 26	12 4	21 34	2 6	12 47	0 32	1 1	1 44	17 48	0 31	22 15	0 1	0 7	2 20	15 18	0 16	18 50	1 24	12 23	16 57	20 52	21 11	13 22		n.a.
W27	12 24	20 23	3 5	12 20	0 49	0 32	1 44	18 0	0 31	22 17	0 1	0 4	2 20	15 19	0 16	18 50	1 24	12 23	16 56	20 53	21 10	13 24		n.a.
T 28	12 44	18 10	3 56	11 52	1 6	0 3	1 44	18 11	0 32	22 18	0 0	0 1	2 20	15 20	0 16	18 51	1 24	12 24	16 56	20 53	21 10	13 26		n.a.
F 29	13 4	15 0	4 37	11 25	1 23	0n26	1 43	18 23	0 32	22 20	0 0	0n 1	2 20	15 22	0 15	18 51	1 24	12 24	16 56	20 53	21 9	13 27		n.a.
S 30	13n23	10s58	5n 4	10n58	1s39	0n55	1s43	18n34	0n33	22n22	0s 0	0n 4	2s21	15n23	0s15	18n52	1s24	12n24	16n55	20s53	21s 8	13s29		n.a.

Julian Day Number = 1633488.5, Delta T = 03h40m32s
Ecliptic obliquity = 23°43'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'37, Lahiri = - 7°16'37 Julian Calendar 1 Apr. 241 BCE == Greg. Calendar 28 March 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

MAY 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 20 25	6♉ 4'53	1♓17	2°R 3	7♈24	21♉ 1	11♊17	5♈38	12♉ 5	29♉18	7°R42	2°R21	3♐38	27♎26	n.a.	S 1
M 2	14 24 22	7° 2'15	15°35	1♉32	8°36	21°41	11°29	5°45	12° 8	29°20	7♎40	2♐18	3°35	27°32	n.a.	M 2
T 3	14 28 18	7°59'36	0♈16	1° 3	9°48	22°21	11°41	5°52	12°12	29°22	7°39	2°15	3°32	27°39	n.a.	T 3
W 4	14 32 15	8°56'56	15°15	0°36	11° 0	23° 0	11°54	5°59	12°15	29°24	7°37	2°12	3°29	27°46	n.a.	W 4
T 5	14 36 12	9°54'15	0♉25	0°12	12°12	23°40	12° 6	6° 5	12°19	29°26	7°36	2° 9	3°25	27°52	n.a.	T 5
F 6	14 40 8	10°51'34	15°36	29♈52	13°24	24°20	12°18	6°12	12°22	29°28	7°35	2° 7	3°22	27°59	n.a.	F 6
S 7	14 44 5	11°48'51	0♊38	29°34	14°36	24°59	12°31	6°19	12°26	29°30	7°33	2°D 7	3°19	28° 6	n.a.	S 7
S 8	14 48 1	12°46'08	15°23	29°21	15°48	25°39	12°43	6°26	12°29	29°33	7°32	2° 7	3°16	28°12	n.a.	S 8
M 9	14 51 58	13°43'24	29°45	29°12	17° 1	26°19	12°56	6°33	12°33	29°35	7°31	2° 8	3°13	28°19	n.a.	M 9
T 10	14 55 54	14°40'40	13♋41	29° 7	18°13	26°58	13° 8	6°39	12°36	29°37	7°30	2° 9	3°10	28°26	n.a.	T 10
W11	14 59 51	15°37'54	27°10	29°D 7	19°25	27°38	13°21	6°46	12°40	29°39	7°28	2°11	3° 6	28°32	n.a.	W11
T 12	15 3 47	16°35'07	10♌15	29°11	20°37	28°17	13°34	6°53	12°43	29°41	7°27	2°11	3° 3	28°39	n.a.	T 12
F 13	15 7 44	17°32'19	22°58	29°19	21°49	28°57	13°46	6°59	12°47	29°43	7°26	2°R11	3° 0	28°46	n.a.	F 13
S 14	15 11 41	18°29'30	5♍22	29°32	23° 2	29°36	13°59	7° 6	12°50	29°46	7°25	2°11	2°57	28°52	n.a.	S 14
S 15	15 15 37	19°26'40	17°32	29°50	24°14	0♊15	14°12	7°12	12°54	29°48	7°24	2° 9	2°54	28°59	n.a.	S 15
M16	15 19 34	20°23'50	29°32	0♉12	25°26	0°55	14°24	7°19	12°57	29°50	7°22	2° 8	2°50	29° 6	n.a.	M16
T 17	15 23 30	21°20'59	11♎25	0°39	26°39	1°34	14°37	7°25	13° 1	29°52	7°21	2° 6	2°47	29°12	n.a.	T 17
W18	15 27 27	22°18'07	23°15	1°10	27°51	2°13	14°50	7°31	13° 4	29°54	7°20	2° 5	2°44	29°19	n.a.	W18
T 19	15 31 23	23°15'15	5♏ 4	1°45	29° 4	2°53	15° 3	7°38	13° 8	29°57	7°19	2° 4	2°41	29°26	n.a.	T 19
F 20	15 35 20	24°12'22	16°56	2°25	0♉16	3°32	15°16	7°44	13°11	29°59	7°18	2° 3	2°38	29°32	n.a.	F 20
S 21	15 39 16	25° 9'29	28°51	3° 9	1°28	4°11	15°29	7°50	13°15	0♊ 1	7°17	2°D 3	2°35	29°39	n.a.	S 21
S 22	15 43 13	26° 6'36	10♐53	3°57	2°41	4°50	15°42	7°56	13°18	0° 3	7°16	2° 3	2°31	29°46	n.a.	S 22
M23	15 47 10	27° 3'42	23° 4	4°49	3°53	5°29	15°55	8° 2	13°22	0° 6	7°15	2° 3	2°28	29°52	n.a.	M23
T 24	15 51 6	28° 0'48	5♑25	5°46	5° 6	6° 9	16° 8	8° 8	13°25	0° 8	7°14	2° 4	2°25	29°59	n.a.	T 24
W25	15 55 3	28°57'55	17°58	6°46	6°18	6°48	16°21	8°14	13°29	0°10	7°14	2° 4	2°22	0♏ 6	n.a.	W25
T 26	15 58 59	29°55'01	0♒47	7°50	7°31	7°27	16°34	8°20	13°32	0°12	7°13	2° 4	2°19	0°12	n.a.	T 26
F 27	16 2 56	0♊52'07	13°53	8°58	8°44	8° 6	16°47	8°25	13°35	0°15	7°12	2° 4	2°16	0°19	n.a.	F 27
S 28	16 6 52	1°49'13	27°17	10°10	9°56	8°45	17° 0	8°31	13°39	0°17	7°11	2° 4	2°12	0°26	n.a.	S 28
S 29	16 10 49	2°46'20	11♓ 3	11°26	11° 9	9°24	17°14	8°37	13°42	0°19	7°10	2° 4	2° 9	0°32	n.a.	S 29
M30	16 14 45	3°43'26	25° 9	12°45	12°22	10° 3	17°27	8°42	13°46	0°21	7°10	2° 4	2° 6	0°39	n.a.	M30
T 31	16 18 42	4♊40'33	9♈34	14♉ 8	13♉34	10♊42	17♊40	8♈48	13♉49	0♊23	7♎ 9	2♐ 5	2♐ 3	0♏46	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13n42	6s15	5n14	10n32	1s55	1n24	1s43	18n45	0n33	22n24	0s 0	0n 7	2s21	15n24	0s15	18n52	1s24	12n25	16n55	20s53	21s 8	13s31			n.a.
M 2	14 1	1 3	5 6	10 7	2 10	1 53	1 42	18 56	0 34	22 26	0 0	0 9	2 21	15 25	0 15	18 53	1 24	12 25	16 55	20 52	21 7	13 33			n.a.
T 3	14 20	4n21	4 38	9 43	2 25	2 22	1 42	19 7	0 34	22 27	0n 0	0 12	2 21	15 26	0 15	18 53	1 24	12 25	16 55	20 51	21 7	13 34			n.a.
W 4	14 39	9 36	3 50	9 21	2 38	2 51	1 42	19 18	0 35	22 29	0 0	0 15	2 21	15 27	0 15	18 53	1 24	12 25	16 54	20 51	21 6	13 36			n.a.
T 5	14 57	14 20	2 46	9 1	2 51	3 20	1 41	19 29	0 35	22 31	0 0	0 17	2 21	15 28	0 15	18 54	1 24	12 26	16 54	20 50	21 5	13 38			n.a.
F 6	15 16	18 8	1 30	8 43	3 2	3 49	1 40	19 39	0 36	22 33	0 0	0 20	2 21	15 29	0 15	18 54	1 24	12 26	16 54	20 50	21 5	13 40			n.a.
S 7	15 34	20 39	0 8	8 28	3 12	4 18	1 40	19 49	0 36	22 34	0 1	0 23	2 21	15 30	0 15	18 55	1 24	12 26	16 53	20 50	21 4	13 42			n.a.
S 8	15 51	21 42	1s13	8 14	3 21	4 47	1 39	19 59	0 36	22 36	0 1	0 25	2 22	15 31	0 15	18 55	1 24	12 26	16 53	20 50	21 3	13 43			n.a.
M 9	16 9	21 17	2 27	8 4	3 29	5 15	1 38	20 9	0 37	22 38	0 1	0 28	2 22	15 33	0 15	18 56	1 24	12 26	16 52	20 50	21 3	13 45			n.a.
T 10	16 26	19 32	3 30	7 56	3 36	5 44	1 37	20 19	0 37	22 40	0 1	0 30	2 22	15 34	0 15	18 56	1 24	12 26	16 52	20 50	21 2	13 47			n.a.
W11	16 43	16 44	4 19	7 51	3 41	6 12	1 36	20 29	0 38	22 41	0 1	0 33	2 22	15 35	0 15	18 57	1 24	12 27	16 52	20 51	21 2	13 49			n.a.
T 12	17 0	13 10	4 54	7 48	3 45	6 41	1 35	20 38	0 38	22 43	0 1	0 35	2 22	15 36	0 15	18 57	1 24	12 27	16 51	20 51	21 1	13 50			n.a.
F 13	17 16	9 6	5 12	7 48	3 49	7 9	1 34	20 47	0 39	22 45	0 1	0 38	2 22	15 37	0 15	18 58	1 24	12 27	16 51	20 51	21 0	13 52			n.a.
S 14	17 32	4 45	5 16	7 51	3 51	7 37	1 33	20 57	0 39	22 46	0 1	0 40	2 22	15 38	0 15	18 58	1 24	12 27	16 50	20 51	21 0	13 54			n.a.
S 15	17 48	0 18	5 5	7 56	3 52	8 5	1 31	21 5	0 40	22 48	0 1	0 43	2 23	15 39	0 15	18 59	1 24	12 27	16 50	20 50	20 59	13 55			n.a.
M16	18 3	4s 6	4 41	8 4	3 51	8 33	1 30	21 14	0 40	22 49	0 1	0 45	2 23	15 40	0 15	18 59	1 24	12 27	16 50	20 50	20 59	13 57			n.a.
T 17	18 19	8 19	4 5	8 14	3 50	9 1	1 29	21 23	0 41	22 51	0 2	0 48	2 23	15 41	0 15	19 0	1 24	12 27	16 49	20 50	20 58	13 59			n.a.
W18	18 34	12 13	3 19	8 27	3 48	9 29	1 27	21 31	0 41	22 53	0 2	0 50	2 23	15 42	0 15	19 0	1 24	12 27	16 49	20 49	20 57	14 1			n.a.
T 19	18 48	15 38	2 24	8 42	3 45	9 56	1 26	21 40	0 41	22 54	0 2	0 52	2 23	15 43	0 15	19 1	1 24	12 27	16 48	20 49	20 57	14 2			n.a.
F 20	19 3	18 25	1 23	8 59	3 41	10 23	1 24	21 48	0 42	22 56	0 2	0 55	2 23	15 44	0 15	19 1	1 24	12 27	16 48	20 49	20 56	14 4			n.a.
S 21	19 17	20 26	0 18	9 19	3 37	10 50	1 23	21 56	0 42	22 57	0 2	0 57	2 24	15 45	0 15	19 2	1 24	12 27	16 47	20 49	20 55	14 6			n.a.
S 22	19 31	21 32	0n49	9 40	3 31	11 17	1 21	22 3	0 43	22 59	0 2	0 59	2 24	15 47	0 15	19 2	1 24	12 27	16 47	20 49	20 55	14 8			n.a.
M23	19 44	21 38	1 54	10 4	3 25	11 43	1 19	22 11	0 43	23 0	0 2	1 1	2 24	15 48	0 15	19 3	1 24	12 27	16 46	20 49	20 54	14 9			n.a.
T 24	19 57	20 42	2 55	10 29	3 18	12 9	1 18	22 18	0 44	23 2	0 2	1 4	2 24	15 49	0 15	19 3	1 24	12 27	16 46	20 49	20 53	14 11			n.a.
W25	20 10	18 44	3 48	10 56	3 10	12 35	1 16	22 25	0 44	23 3	0 2	1 6	2 24	15 50	0 15	19 4	1 24	12 27	16 45	20 49	20 53	14 13			n.a.
T 26	20 22	15 48	4 32	11 25	3 2	13 1	1 14	22 33	0 44	23 5	0 2	1 8	2 24	15 51	0 15	19 4	1 24	12 27	16 45	20 49	20 52	14 14			n.a.
F 27	20 34	12 2	5 2	11 55	2 53	13 26	1 12	22 39	0 45	23 6	0 3	1 10	2 25	15 52	0 15	19 5	1 24	12 26	16 44	20 49	20 52	14 16			n.a.
S 28	20 46	7 36	5 17	12 27	2 44	13 52	1 10	22 46	0 45	23 7	0 3	1 12	2 25	15 53	0 15	19 5	1 24	12 26	16 44	20 49	20 51	14 18			n.a.
S 29	20 58	2 41	5 14	13 0	2 34	14 16	1 8	22 53	0 46	23 9	0 3	1 14	2 25	15 54	0 15	19 6	1 24	12 26	16 43	20 49	20 50	14 19			n.a.
M30	21 9	2n31	4 52	13 34	2 24	14 41	1 6	22 59	0 46	23 10	0 3	1 16	2 25	15 55	0 15	19 6	1 24	12 26	16 43	20 49	20 50	14 21			n.a.
T 31	21n19	7n41	4n12	14n 9	2s13	15n 5	1s 4	23n 5	0n47	23n12	0n 3	1n18	2s25	15n56	0s15	19n 7	1s24	12n26	16n42	20s49	20s49	14s23			n.a.

Julian Day Number = 1633518.5, Delta T = 03h40m31s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'33, Lahiri = - 7°16'33 Julian Calendar 1 May 241 BCE == Greg. Calendar 27 Apr. 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

JUNE 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 22 39	5♊37'41	24♈15	15♉35	14♉47	11♊21	17♊53	8♈53	13♉52	0♊26	7°R 8	2♐ 5	2♐ 0	0♏52	n.a.	W 1
T 2	16 26 35	6°34'48	9♉ 8	17° 5	16° 0	12° 0	18° 6	8°59	13°56	0°28	7♎ 8	2° 5	1°56	0°59	n.a.	T 2
F 3	16 30 32	7°31'56	24° 4	18°39	17°13	12°39	18°20	9° 4	13°59	0°30	7° 7	2° 5	1°53	1° 6	n.a.	F 3
S 4	16 34 28	8°29'04	8♊56	20°16	18°26	13°18	18°33	9° 9	14° 2	0°32	7° 6	2°R 6	1°50	1°12	n.a.	S 4
S 5	16 38 25	9°26'12	23°37	21°56	19°38	13°57	18°46	9°14	14° 6	0°35	7° 6	2° 5	1°47	1°19	n.a.	S 5
M 6	16 42 21	10°23'20	8♋ 0	23°40	20°51	14°36	19° 0	9°19	14° 9	0°37	7° 5	2° 4	1°44	1°26	n.a.	M 6
T 7	16 46 18	11°20'29	22° 0	25°27	22° 4	15°15	19°13	9°24	14°12	0°39	7° 5	2° 3	1°41	1°32	n.a.	T 7
W 8	16 50 15	12°17'37	5♌35	27°17	23°17	15°53	19°26	9°29	14°15	0°41	7° 4	2° 2	1°37	1°39	n.a.	W 8
T 9	16 54 11	13°14'45	18°45	29°10	24°30	16°32	19°40	9°34	14°18	0°43	7° 4	2° 1	1°34	1°46	n.a.	T 9
F 10	16 58 8	14°11'54	1♍31	1♊ 6	25°43	17°11	19°53	9°39	14°22	0°46	7° 4	2° 0	1°31	1°52	n.a.	F 10
S 11	17 2 4	15° 9'02	13°57	3° 4	26°56	17°50	20° 6	9°44	14°25	0°48	7° 3	2°D 0	1°28	1°59	n.a.	S 11
S 12	17 6 1	16° 6'10	26° 7	5° 4	28° 9	18°29	20°20	9°48	14°28	0°50	7° 3	2° 0	1°25	2° 6	n.a.	S 12
M13	17 9 57	17° 3'19	8♎ 6	7° 6	29°22	19° 7	20°33	9°53	14°31	0°52	7° 3	2° 1	1°22	2°12	n.a.	M13
T 14	17 13 54	18° 0'28	19°58	9°10	0♊35	19°46	20°47	9°57	14°34	0°54	7° 2	2° 2	1°18	2°19	n.a.	T 14
W15	17 17 50	18°57'37	1♏47	11°16	1°49	20°25	21° 0	10° 2	14°37	0°56	7° 2	2° 4	1°15	2°26	n.a.	W15
T 16	17 21 47	19°54'46	13°37	13°22	3° 2	21° 3	21°13	10° 6	14°40	0°59	7° 2	2° 5	1°12	2°32	n.a.	T 16
F 17	17 25 44	20°51'56	25°33	15°30	4°15	21°42	21°27	10°10	14°43	1° 1	7° 2	2° 6	1° 9	2°39	n.a.	F 17
S 18	17 29 40	21°49'06	7♐36	17°37	5°28	22°21	21°40	10°14	14°46	1° 3	7° 2	2°R 6	1° 6	2°46	n.a.	S 18
S 19	17 33 37	22°46'17	19°50	19°45	6°41	22°59	21°53	10°18	14°49	1° 5	7° 2	2° 5	1° 2	2°52	n.a.	S 19
M20	17 37 33	23°43'29	2♑15	21°53	7°55	23°38	22° 7	10°22	14°52	1° 7	7° 2	2° 3	0°59	2°59	n.a.	M20
T 21	17 41 30	24°40'41	14°54	24° 1	9° 8	24°17	22°20	10°26	14°55	1° 9	7°D 2	2° 0	0°56	3° 6	n.a.	T 21
W22	17 45 26	25°37'54	27°46	26° 8	10°21	24°55	22°34	10°30	14°58	1°11	7° 2	1°57	0°53	3°12	n.a.	W22
T 23	17 49 23	26°35'08	10♒52	28°14	11°35	25°34	22°47	10°33	15° 1	1°13	7° 2	1°53	0°50	3°19	n.a.	T 23
F 24	17 53 19	27°32'22	24°12	0♋20	12°48	26°12	23° 0	10°37	15° 4	1°15	7° 2	1°50	0°47	3°26	n.a.	F 24
S 25	17 57 16	28°29'38	7♓45	2°24	14° 1	26°51	23°14	10°41	15° 6	1°17	7° 2	1°47	0°43	3°32	n.a.	S 25
S 26	18 1 13	29°26'55	21°33	4°27	15°15	27°29	23°27	10°44	15° 9	1°19	7° 2	1°46	0°40	3°39	n.a.	S 26
M27	18 5 9	0♋24'13	5♈33	6°28	16°28	28° 8	23°40	10°47	15°12	1°21	7° 2	1°D46	0°37	3°46	n.a.	M27
T 28	18 9 6	1°21'32	19°45	8°29	17°42	28°46	23°54	10°50	15°15	1°23	7° 2	1°47	0°34	3°52	n.a.	T 28
W29	18 13 2	2°18'52	4♉ 7	10°28	18°55	29°25	24° 7	10°54	15°17	1°25	7° 3	1°48	0°31	3°59	n.a.	W29
T 30	18 16 59	3♋16'14	18♉36	12♋25	20♊ 9	0♋ 3	24♊20	10♈57	15♉20	1♊27	7♎ 3	1♐49	0♐28	4♏ 6	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n30	12n32	3n15	14n45	2s 2	15n29	1s 2	23n11	0n47	23n13	0n 3	1n20	2s26	15n57	0s15	19n 7	1s24	12n26	16n42	20s49	20s48	14s24		n.a.
T 2	21 40	16 40	2 4	15 22	1 51	15 52	1 0	23 17	0 47	23 14	0 3	1 22	2 26	15 58	0 15	19 8	1 24	12 25	16 41	20 49	20 48	14 26		n.a.
F 3	21 50	19 44	0 44	15 59	1 39	16 15	0 58	23 22	0 48	23 15	0 3	1 24	2 26	15 59	0 15	19 8	1 24	12 25	16 41	20 50	20 47	14 28		n.a.
S 4	21 59	21 26	0s38	16 37	1 27	16 38	0 56	23 28	0 48	23 17	0 3	1 26	2 26	16 0	0 15	19 8	1 24	12 25	16 40	20 50	20 46	14 29		n.a.
S 5	22 8	21 37	1 57	17 15	1 15	17 0	0 53	23 33	0 48	23 18	0 3	1 28	2 27	16 1	0 15	19 9	1 24	12 25	16 40	20 49	20 46	14 31		n.a.
M 6	22 16	20 23	3 6	17 53	1 3	17 22	0 51	23 38	0 49	23 19	0 4	1 30	2 27	16 2	0 15	19 9	1 24	12 24	16 39	20 49	20 45	14 33		n.a.
T 7	22 24	17 54	4 3	18 31	0 51	17 43	0 49	23 43	0 49	23 20	0 4	1 31	2 27	16 3	0 15	19 10	1 24	12 24	16 39	20 49	20 44	14 34		n.a.
W 8	22 32	14 31	4 44	19 9	0 39	18 4	0 47	23 47	0 50	23 22	0 4	1 33	2 27	16 4	0 15	19 10	1 24	12 24	16 38	20 49	20 44	14 36		n.a.
T 9	22 39	10 30	5 9	19 46	0 27	18 24	0 44	23 52	0 50	23 23	0 4	1 35	2 27	16 5	0 15	19 11	1 24	12 23	16 38	20 49	20 43	14 38		n.a.
F 10	22 46	6 8	5 17	20 22	0 15	18 44	0 42	23 56	0 50	23 24	0 4	1 37	2 28	16 6	0 15	19 11	1 24	12 23	16 37	20 49	20 43	14 39		n.a.
S 11	22 53	1 37	5 10	20 58	0 4	19 4	0 40	24 0	0 51	23 25	0 4	1 38	2 28	16 7	0 15	19 12	1 24	12 23	16 36	20 48	20 42	14 41		n.a.
S 12	22 59	2s51	4 49	21 31	0n 8	19 23	0 37	24 4	0 51	23 26	0 4	1 40	2 28	16 8	0 15	19 12	1 24	12 22	16 36	20 48	20 41	14 42		n.a.
M13	23 5	7 10	4 16	22 4	0 19	19 41	0 35	24 8	0 52	23 27	0 4	1 41	2 28	16 8	0 15	19 13	1 24	12 22	16 35	20 49	20 41	14 44		n.a.
T 14	23 10	11 10	3 33	22 34	0 29	19 59	0 32	24 11	0 52	23 28	0 4	1 43	2 29	16 9	0 15	19 13	1 24	12 21	16 35	20 49	20 40	14 46		n.a.
W15	23 15	14 44	2 40	23 3	0 39	20 17	0 30	24 14	0 52	23 29	0 5	1 44	2 29	16 10	0 15	19 13	1 24	12 21	16 34	20 49	20 39	14 47		n.a.
T 16	23 20	17 42	1 40	23 29	0 49	20 34	0 27	24 18	0 53	23 30	0 5	1 46	2 29	16 11	0 15	19 14	1 24	12 20	16 34	20 49	20 39	14 49		n.a.
F 17	23 24	19 58	0 36	23 53	0 58	20 50	0 25	24 20	0 53	23 31	0 5	1 47	2 29	16 12	0 15	19 14	1 24	12 20	16 33	20 50	20 38	14 51		n.a.
S 18	23 28	21 20	0n30	24 14	1 6	21 6	0 23	24 23	0 53	23 32	0 5	1 49	2 30	16 13	0 15	19 15	1 24	12 19	16 32	20 50	20 37	14 52		n.a.
S 19	23 31	21 44	1 36	24 33	1 14	21 21	0 20	24 26	0 54	23 33	0 5	1 50	2 30	16 14	0 15	19 15	1 24	12 19	16 32	20 49	20 37	14 54		n.a.
M20	23 34	21 4	2 39	24 49	1 20	21 36	0 18	24 28	0 54	23 34	0 5	1 51	2 30	16 15	0 15	19 16	1 24	12 18	16 31	20 49	20 36	14 55		n.a.
T 21	23 37	19 20	3 34	25 2	1 27	21 50	0 15	24 30	0 54	23 35	0 5	1 53	2 30	16 16	0 15	19 16	1 24	12 18	16 31	20 48	20 35	14 57		n.a.
W22	23 39	16 36	4 20	25 12	1 32	22 3	0 13	24 32	0 55	23 36	0 5	1 54	2 31	16 17	0 15	19 16	1 24	12 17	16 30	20 48	20 35	14 59		n.a.
T 23	23 41	13 1	4 53	25 19	1 37	22 16	0 10	24 34	0 55	23 37	0 5	1 55	2 31	16 17	0 15	19 17	1 24	12 17	16 30	20 47	20 34	15 0		n.a.
F 24	23 42	8 43	5 11	25 24	1 41	22 29	0 8	24 35	0 55	23 38	0 5	1 56	2 31	16 18	0 15	19 17	1 24	12 16	16 29	20 46	20 33	15 2		n.a.
S 25	23 43	3 56	5 12	25 26	1 44	22 40	0 5	24 37	0 56	23 38	0 6	1 58	2 31	16 19	0 15	19 18	1 24	12 16	16 28	20 46	20 33	15 3		n.a.
S 26	23 43	1n 8	4 56	25 25	1 46	22 51	0 3	24 38	0 56	23 39	0 6	1 59	2 32	16 20	0 15	19 18	1 24	12 15	16 28	20 46	20 32	15 5		n.a.
M27	23 43	6 13	4 21	25 22	1 48	23 1	0 0	24 39	0 56	23 40	0 6	2 0	2 32	16 21	0 15	19 18	1 24	12 14	16 27	20 46	20 31	15 6		n.a.
T 28	23 43	11 3	3 31	25 16	1 49	23 11	0n 2	24 40	0 57	23 41	0 6	2 1	2 32	16 21	0 15	19 19	1 24	12 14	16 27	20 46	20 31	15 8		n.a.
W29	23 42	15 20	2 26	25 8	1 50	23 20	0 5	24 40	0 57	23 41	0 6	2 2	2 32	16 22	0 15	19 19	1 24	12 13	16 26	20 46	20 30	15 10		n.a.
T 30	23n41	18n43	1n12	24n57	1n50	23n28	0n 7	24n41	0n57	23n42	0n 6	2n 3	2s33	16n23	0s15	19n20	1s24	12n13	16n25	20s46	20s29	15s11		n.a.

Julian Day Number = 1633549.5, Delta T = 03h40m30s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'29, Lahiri = - 7°16'28 Julian Calendar 1 June 241 BCE == Greg. Calendar 28 May 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

JULY 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 20 55	4♋13'37	3♊ 9	14♋21	21♊23	0♋42	24♊34	11♈ 0	15♉22	1♊29	7♎ 3	1°R50	0♐24	4♏12	n.a.	F 1
S 2	18 24 52	5°11'01	17°40	16°15	22°36	1°20	24°47	11° 2	15°25	1°31	7° 4	1♐49	0°21	4°19	n.a.	S 2
S 3	18 28 49	6° 8'26	2♋ 4	18° 8	23°50	1°59	25° 0	11° 5	15°28	1°33	7° 4	1°47	0°18	4°26	n.a.	S 3
M 4	18 32 45	7° 5'53	16°15	19°59	25° 4	2°37	25°13	11° 8	15°30	1°35	7° 4	1°42	0°15	4°32	n.a.	M 4
T 5	18 36 42	8° 3'20	0♌ 8	21°48	26°17	3°15	25°27	11°10	15°32	1°37	7° 5	1°37	0°12	4°39	n.a.	T 5
W 6	18 40 38	9° 0'48	13°41	23°36	27°31	3°54	25°40	11°13	15°35	1°39	7° 5	1°31	0° 8	4°46	n.a.	W 6
T 7	18 44 35	9°58'18	26°50	25°22	28°45	4°32	25°53	11°15	15°37	1°41	7° 6	1°25	0° 5	4°52	n.a.	T 7
F 8	18 48 31	10°55'48	9♍38	27° 7	29°59	5°11	26° 6	11°17	15°40	1°43	7° 6	1°20	0° 2	4°59	n.a.	F 8
S 9	18 52 28	11°53'19	22° 5	28°50	1♋13	5°49	26°19	11°19	15°42	1°44	7° 7	1°17	29♏59	5° 6	n.a.	S 9
S 10	18 56 24	12°50'51	4♎16	0♌32	2°26	6°27	26°32	11°22	15°44	1°46	7° 8	1°15	29°56	5°12	n.a.	S 10
M11	19 0 21	13°48'25	16°14	2°12	3°40	7° 6	26°45	11°23	15°46	1°48	7° 8	1°D14	29°53	5°19	n.a.	M11
T 12	19 4 18	14°45'59	28° 6	3°50	4°54	7°44	26°58	11°25	15°49	1°50	7° 9	1°15	29°49	5°26	n.a.	T 12
W13	19 8 14	15°43'34	9♏55	5°27	6° 8	8°22	27°11	11°27	15°51	1°51	7°10	1°17	29°46	5°32	n.a.	W13
T 14	19 12 11	16°41'11	21°47	7° 3	7°22	9° 1	27°24	11°29	15°53	1°53	7°10	1°18	29°43	5°39	n.a.	T 14
F 15	19 16 7	17°38'48	3♐47	8°37	8°36	9°39	27°37	11°30	15°55	1°55	7°11	1°R18	29°40	5°46	n.a.	F 15
S 16	19 20 4	18°36'27	15°58	10° 9	9°50	10°17	27°50	11°32	15°57	1°57	7°12	1°17	29°37	5°52	n.a.	S 16
S 17	19 24 0	19°34'08	28°24	11°40	11° 4	10°55	28° 3	11°33	15°59	1°58	7°13	1°14	29°34	5°59	n.a.	S 17
M18	19 27 57	20°31'49	11♑ 5	13°10	12°18	11°34	28°16	11°34	16° 1	2° 0	7°14	1° 9	29°30	6° 6	n.a.	M18
T 19	19 31 53	21°29'32	24° 4	14°37	13°33	12°12	28°29	11°35	16° 3	2° 1	7°15	1° 2	29°27	6°12	n.a.	T 19
W20	19 35 50	22°27'17	7♒19	16° 4	14°47	12°50	28°42	11°36	16° 5	2° 3	7°16	0°53	29°24	6°19	n.a.	W20
T 21	19 39 47	23°25'03	20°49	17°28	16° 1	13°28	28°54	11°37	16° 7	2° 5	7°17	0°44	29°21	6°26	n.a.	T 21
F 22	19 43 43	24°22'50	4♓32	18°51	17°15	14° 7	29° 7	11°38	16° 8	2° 6	7°18	0°36	29°18	6°32	n.a.	F 22
S 23	19 47 40	25°20'40	18°24	20°13	18°29	14°45	29°20	11°39	16°10	2° 8	7°19	0°30	29°14	6°39	n.a.	S 23
S 24	19 51 36	26°18'31	2♈23	21°33	19°44	15°23	29°32	11°39	16°12	2° 9	7°20	0°25	29°11	6°46	n.a.	S 24
M25	19 55 33	27°16'24	16°27	22°51	20°58	16° 1	29°45	11°40	16°13	2°10	7°21	0°23	29° 8	6°52	n.a.	M25
T 26	19 59 29	28°14'20	0♉35	24° 7	22°12	16°39	29°57	11°40	16°15	2°12	7°22	0°D22	29° 5	6°59	n.a.	T 26
W27	20 3 26	29°12'17	14°44	25°21	23°26	17°18	0♋10	11°40	16°17	2°13	7°23	0°23	29° 2	7° 6	n.a.	W27
T 28	20 7 22	0♌10'16	28°53	26°34	24°41	17°56	0°22	11°40	16°18	2°15	7°25	0°R23	28°59	7°12	n.a.	T 28
F 29	20 11 19	1° 8'17	13♊ 2	27°44	25°55	18°34	0°35	11°R40	16°20	2°16	7°26	0°23	28°55	7°19	n.a.	F 29
S 30	20 15 16	2° 6'21	27° 8	28°53	27°10	19°12	0°47	11°40	16°21	2°17	7°27	0°20	28°52	7°26	n.a.	S 30
S 31	20 19 12	3♌ 4'26	11♋ 7	29♌59	28♋24	19♋50	0♋59	11♈40	16♉22	2♊19	7♎28	0♐15	28♏49	7♏32	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n39	20n55	0s 7	24n45	1n49	23n36	0n10	24n41	0n58	23n43	0n 6	2n 4	2s33	16n24	0s15	19n20	1s24	12n12	16n25	20s46	20s29	15s13		n.a.
S 2	23 37	21 43	1 26	24 30	1 48	23 43	0 12	24 41	0 58	23 43	0 6	2 4	2 33	16 25	0 15	19 20	1 24	12 11	16 24	20 46	20 28	15 14		n.a.
S 3	23 35	21 5	2 38	24 13	1 46	23 49	0 14	24 41	0 58	23 44	0 6	2 5	2 33	16 25	0 15	19 21	1 24	12 11	16 24	20 46	20 27	15 16		n.a.
M 4	23 32	19 6	3 39	23 55	1 43	23 55	0 17	24 41	0 59	23 45	0 6	2 6	2 34	16 26	0 15	19 21	1 24	12 10	16 23	20 45	20 27	15 17		n.a.
T 5	23 28	16 2	4 25	23 35	1 40	23 59	0 19	24 40	0 59	23 45	0 7	2 7	2 34	16 27	0 15	19 21	1 24	12 9	16 22	20 44	20 26	15 19		n.a.
W 6	23 25	12 11	4 56	23 13	1 37	24 4	0 22	24 39	0 59	23 46	0 7	2 8	2 34	16 27	0 15	19 22	1 24	12 8	16 22	20 43	20 25	15 20		n.a.
T 7	23 21	7 52	5 10	22 50	1 33	24 7	0 24	24 38	1 0	23 46	0 7	2 8	2 34	16 28	0 15	19 22	1 24	12 8	16 21	20 41	20 25	15 22		n.a.
F 8	23 16	3 19	5 7	22 26	1 29	24 10	0 26	24 37	1 0	23 47	0 7	2 9	2 35	16 29	0 15	19 23	1 24	12 7	16 21	20 40	20 24	15 23		n.a.
S 9	23 11	1s16	4 51	22 0	1 24	24 12	0 28	24 36	1 0	23 47	0 7	2 9	2 35	16 29	0 15	19 23	1 24	12 6	16 20	20 40	20 23	15 25		n.a.
S 10	23 6	5 42	4 21	21 33	1 19	24 13	0 31	24 34	1 1	23 48	0 7	2 10	2 35	16 30	0 15	19 23	1 24	12 5	16 20	20 39	20 23	15 26		n.a.
M11	23 0	9 50	3 40	21 5	1 13	24 13	0 33	24 33	1 1	23 48	0 7	2 10	2 36	16 31	0 15	19 24	1 24	12 5	16 19	20 39	20 22	15 28		n.a.
T 12	22 54	13 34	2 50	20 37	1 7	24 13	0 35	24 31	1 1	23 49	0 7	2 11	2 36	16 31	0 15	19 24	1 24	12 4	16 18	20 39	20 21	15 29		n.a.
W13	22 47	16 45	1 53	20 7	1 1	24 12	0 37	24 29	1 1	23 49	0 7	2 11	2 36	16 32	0 15	19 24	1 24	12 3	16 18	20 40	20 20	15 31		n.a.
T 14	22 40	19 15	0 51	19 36	0 54	24 10	0 39	24 26	1 2	23 49	0 8	2 12	2 36	16 33	0 15	19 25	1 24	12 2	16 17	20 40	20 20	15 32		n.a.
F 15	22 33	20 56	0n13	19 5	0 48	24 8	0 42	24 24	1 2	23 50	0 8	2 12	2 37	16 33	0 15	19 25	1 24	12 1	16 17	20 40	20 19	15 34		n.a.
S 16	22 25	21 40	1 18	18 33	0 40	24 5	0 44	24 21	1 2	23 50	0 8	2 12	2 37	16 34	0 15	19 25	1 24	12 0	16 16	20 40	20 18	15 35		n.a.
S 17	22 17	21 22	2 21	18 1	0 33	24 1	0 46	24 18	1 3	23 50	0 8	2 13	2 37	16 34	0 15	19 25	1 24	12 0	16 15	20 39	20 18	15 37		n.a.
M18	22 8	19 58	3 18	17 28	0 25	23 56	0 48	24 15	1 3	23 51	0 8	2 13	2 38	16 35	0 15	19 26	1 24	11 59	16 15	20 38	20 17	15 38		n.a.
T 19	21 59	17 31	4 5	16 55	0 17	23 51	0 50	24 12	1 3	23 51	0 8	2 13	2 38	16 36	0 15	19 26	1 24	11 58	16 14	20 36	20 16	15 40		n.a.
W20	21 50	14 8	4 41	16 22	0 9	23 45	0 51	24 9	1 3	23 51	0 8	2 13	2 38	16 36	0 15	19 26	1 24	11 57	16 14	20 35	20 16	15 41		n.a.
T 21	21 40	9 58	5 2	15 48	0 1	23 38	0 53	24 5	1 4	23 51	0 8	2 13	2 38	16 37	0 15	19 27	1 24	11 56	16 13	20 33	20 15	15 43		n.a.
F 22	21 30	5 14	5 5	15 14	0s 8	23 30	0 55	24 2	1 4	23 52	0 8	2 13	2 39	16 37	0 15	19 27	1 24	11 55	16 13	20 31	20 14	15 44		n.a.
S 23	21 19	0 11	4 51	14 40	0 16	23 22	0 57	23 58	1 4	23 52	0 9	2 13	2 39	16 38	0 15	19 27	1 24	11 54	16 12	20 30	20 14	15 46		n.a.
S 24	21 8	4n56	4 20	14 6	0 25	23 13	0 59	23 54	1 5	23 52	0 9	2 13	2 39	16 38	0 15	19 27	1 24	11 53	16 12	20 29	20 13	15 47		n.a.
M25	20 57	9 49	3 33	13 32	0 34	23 4	1 0	23 49	1 5	23 52	0 9	2 13	2 40	16 39	0 15	19 28	1 25	11 52	16 11	20 28	20 12	15 49		n.a.
T 26	20 46	14 11	2 33	12 58	0 43	22 53	1 2	23 45	1 5	23 52	0 9	2 13	2 40	16 39	0 15	19 28	1 25	11 51	16 10	20 28	20 11	15 50		n.a.
W27	20 34	17 46	1 23	12 24	0 53	22 42	1 4	23 40	1 5	23 52	0 9	2 13	2 40	16 40	0 15	19 28	1 25	11 50	16 10	20 28	20 11	15 52		n.a.
T 28	20 21	20 17	0 8	11 50	1 2	22 31	1 5	23 35	1 6	23 52	0 9	2 13	2 40	16 40	0 15	19 28	1 25	11 49	16 9	20 28	20 10	15 53		n.a.
F 29	20 9	21 31	1s 7	11 17	1 12	22 18	1 7	23 30	1 6	23 53	0 9	2 12	2 41	16 40	0 15	19 29	1 25	11 48	16 9	20 28	20 9	15 54		n.a.
S 30	19 55	21 24	2 18	10 44	1 21	22 5	1 8	23 25	1 6	23 53	0 9	2 12	2 41	16 41	0 15	19 29	1 25	11 48	16 8	20 28	20 9	15 56		n.a.
S 31	19n42	19n56	3s19	10n12	1s31	21n51	1n 9	23n20	1n 6	23n53	0n 9	2n12	2s41	16n41	0s15	19n29	1s25	11n47	16n 8	20s27	20s 8	15s57		n.a.

Julian Day Number = 1633579.5, Delta T = 03h40m29s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'25, Lahiri = - 7°16'24 Julian Calendar 1 July 241 BCE == Greg. Calendar 27 June 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

AUGUST 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 23 9	4♌ 2'33	24♋57	1♍ 3	29♋39	20♋28	1♋11	11°R40	16♉24	2♊20	7♎30	0°R 7	28♏46	7♏39	n.a.	M 1
T 2	20 27 5	5° 0'42	8♌33	2° 5	0♌53	21° 7	1°24	11♈39	16°25	2°21	7°31	29♏57	28°43	7°45	n.a.	T 2
W 3	20 31 2	5°58'53	21°53	3° 4	2° 8	21°45	1°36	11°39	16°26	2°22	7°33	29°46	28°40	7°52	n.a.	W 3
T 4	20 34 58	6°57'05	4♍55	4° 1	3°22	22°23	1°48	11°38	16°27	2°24	7°34	29°35	28°36	7°59	n.a.	T 4
F 5	20 38 55	7°55'19	17°37	4°54	4°37	23° 1	2° 0	11°38	16°28	2°25	7°35	29°25	28°33	8° 5	n.a.	F 5
S 6	20 42 51	8°53'35	0♎ 2	5°45	5°51	23°39	2°12	11°37	16°30	2°26	7°37	29°16	28°30	8°12	n.a.	S 6
S 7	20 46 48	9°51'52	12°11	6°32	7° 6	24°17	2°24	11°36	16°31	2°27	7°38	29°11	28°27	8°19	n.a.	S 7
M 8	20 50 44	10°50'11	24° 9	7°16	8°21	24°55	2°35	11°35	16°32	2°28	7°40	29° 7	28°24	8°25	n.a.	M 8
T 9	20 54 41	11°48'32	5♏59	7°57	9°35	25°33	2°47	11°34	16°33	2°29	7°41	29° 6	28°20	8°32	n.a.	T 9
W10	20 58 38	12°46'55	17°48	8°33	10°50	26°12	2°59	11°32	16°33	2°30	7°43	29°D 6	28°17	8°39	n.a.	W10
T 11	21 2 34	13°45'19	29°40	9° 5	12° 5	26°50	3°10	11°31	16°34	2°31	7°45	29°R 6	28°14	8°45	n.a.	T 11
F 12	21 6 31	14°43'45	11♐42	9°32	13°19	27°28	3°22	11°29	16°35	2°32	7°46	29° 5	28°11	8°52	n.a.	F 12
S 13	21 10 27	15°42'12	23°57	9°55	14°34	28° 6	3°33	11°28	16°36	2°33	7°48	29° 3	28° 8	8°59	n.a.	S 13
S 14	21 14 24	16°40'42	6♑30	10°12	15°49	28°44	3°45	11°26	16°36	2°34	7°50	28°58	28° 5	9° 5	n.a.	S 14
M15	21 18 20	17°39'13	19°24	10°24	17° 4	29°22	3°56	11°24	16°37	2°35	7°51	28°51	28° 1	9°12	n.a.	M15
T 16	21 22 17	18°37'46	2♒40	10°R30	18°18	29°59	4° 7	11°23	16°38	2°36	7°53	28°41	27°58	9°19	n.a.	T 16
W17	21 26 13	19°36'22	16°17	10°30	19°33	0♌38	4°18	11°21	16°38	2°36	7°55	28°29	27°55	9°25	n.a.	W17
T 18	21 30 10	20°34'59	0♓13	10°23	20°48	1°16	4°30	11°19	16°39	2°37	7°57	28°17	27°52	9°32	n.a.	T 18
F 19	21 34 7	21°33'38	14°22	10° 9	22° 3	1°54	4°41	11°16	16°39	2°38	7°59	28° 6	27°49	9°39	n.a.	F 19
S 20	21 38 3	22°32'19	28°40	9°48	23°18	2°32	4°52	11°14	16°39	2°38	8° 0	27°56	27°45	9°45	n.a.	S 20
S 21	21 42 0	23°31'02	13♈ 1	9°21	24°32	3°10	5° 2	11°12	16°40	2°39	8° 2	27°49	27°42	9°52	n.a.	S 21
M22	21 45 56	24°29'48	27°20	8°46	25°47	3°48	5°13	11° 9	16°40	2°40	8° 4	27°45	27°39	9°59	n.a.	M22
T 23	21 49 53	25°28'37	11♉34	8° 4	27° 2	4°26	5°24	11° 7	16°40	2°40	8° 6	27°44	27°36	10° 5	n.a.	T 23
W24	21 53 49	26°27'27	25°42	7°15	28°17	5° 4	5°34	11° 4	16°40	2°41	8° 8	27°43	27°33	10°12	n.a.	W24
T 25	21 57 46	27°26'21	9♊42	6°21	29°32	5°42	5°45	11° 1	16°40	2°41	8°10	27°43	27°30	10°19	n.a.	T 25
F 26	22 1 42	28°25'16	23°34	5°22	0♍47	6°20	5°55	10°58	16°41	2°42	8°12	27°42	27°26	10°25	n.a.	F 26
S 27	22 5 39	29°24'14	7♋17	4°18	2° 2	6°59	6° 6	10°55	16°R41	2°42	8°14	27°38	27°23	10°32	n.a.	S 27
S 28	22 9 36	0♍23'15	20°52	3°12	3°17	7°37	6°16	10°52	16°40	2°43	8°16	27°32	27°20	10°38	n.a.	S 28
M29	22 13 32	1°22'18	4♌17	2° 4	4°32	8°15	6°26	10°49	16°40	2°43	8°18	27°22	27°17	10°45	n.a.	M29
T 30	22 17 29	2°21'23	17°31	0°57	5°47	8°53	6°36	10°46	16°40	2°44	8°20	27°10	27°14	10°52	n.a.	T 30
W31	22 21 25	3♍20'30	0♍32	29♌52	7♍ 2	9♌31	6♋46	10♈43	16♉40	2♊44	8♎22	26♏57	27♏11	10♏58	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	19n28	17n19	4s 8	9n40	1s40	21n37	1n11	23n14	1n 7	23n53	0n10	2n12	2s42	16n42	0s15	19n29	1s25	11n46	16n 7	20s25	20s 7	15s59					n.a.
T 2	19 14	13 48	4 42	9 9	1 50	21 22	1 12	23 9	1 7	23 53	0 10	2 11	2 42	16 42	0 15	19 30	1 25	11 45	16 7	20 23	20 7	16 0					n.a.
W 3	19 0	9 39	5 0	8 38	2 0	21 6	1 13	23 3	1 7	23 53	0 10	2 11	2 42	16 42	0 15	19 30	1 25	11 43	16 6	20 20	20 6	16 2					n.a.
T 4	18 45	5 9	5 2	8 9	2 9	20 50	1 14	22 57	1 7	23 53	0 10	2 10	2 42	16 43	0 15	19 30	1 25	11 42	16 6	20 18	20 5	16 3					n.a.
F 5	18 30	0 32	4 48	7 40	2 19	20 33	1 15	22 51	1 8	23 53	0 10	2 10	2 43	16 43	0 15	19 30	1 25	11 41	16 5	20 16	20 4	16 4					n.a.
S 6	18 15	4s 0	4 21	7 13	2 28	20 16	1 16	22 44	1 8	23 52	0 10	2 9	2 43	16 43	0 15	19 30	1 25	11 40	16 5	20 14	20 4	16 6					n.a.
S 7	17 59	8 17	3 42	6 47	2 37	19 58	1 17	22 38	1 8	23 52	0 10	2 8	2 43	16 44	0 15	19 31	1 25	11 39	16 4	20 13	20 3	16 7					n.a.
M 8	17 43	12 10	2 55	6 22	2 47	19 39	1 18	22 31	1 8	23 52	0 10	2 8	2 43	16 44	0 15	19 31	1 25	11 38	16 4	20 12	20 2	16 9					n.a.
T 9	17 27	15 33	2 0	5 59	2 56	19 20	1 19	22 24	1 9	23 52	0 11	2 7	2 44	16 44	0 15	19 31	1 25	11 37	16 3	20 12	20 2	16 10					n.a.
W10	17 10	18 18	1 0	5 37	3 4	19 0	1 20	22 17	1 9	23 52	0 11	2 6	2 44	16 44	0 15	19 31	1 25	11 36	16 3	20 12	20 1	16 11					n.a.
T 11	16 54	20 16	0n 3	5 17	3 13	18 40	1 21	22 10	1 9	23 52	0 11	2 6	2 44	16 45	0 15	19 31	1 25	11 35	16 2	20 12	20 0	16 13					n.a.
F 12	16 36	21 21	1 6	5 0	3 21	18 19	1 21	22 3	1 9	23 52	0 11	2 5	2 44	16 45	0 15	19 31	1 25	11 34	16 2	20 12	19 59	16 14					n.a.
S 13	16 19	21 27	2 8	4 44	3 28	17 58	1 22	21 55	1 10	23 52	0 11	2 4	2 45	16 45	0 15	19 32	1 25	11 33	16 1	20 11	19 59	16 16					n.a.
S 14	16 1	20 29	3 4	4 31	3 35	17 36	1 22	21 48	1 10	23 51	0 11	2 3	2 45	16 45	0 15	19 32	1 25	11 32	16 1	20 10	19 58	16 17					n.a.
M15	15 43	18 27	3 53	4 21	3 41	17 13	1 23	21 40	1 10	23 51	0 11	2 2	2 45	16 45	0 15	19 32	1 25	11 31	16 1	20 8	19 57	16 18					n.a.
T 16	15 25	15 24	4 31	4 13	3 47	16 51	1 23	21 32	1 10	23 51	0 11	2 1	2 46	16 46	0 15	19 32	1 25	11 30	16 0	20 6	19 57	16 20					n.a.
W17	15 7	11 28	4 54	4 9	3 52	16 27	1 24	21 24	1 10	23 51	0 12	2 0	2 46	16 46	0 15	19 32	1 25	11 29	16 0	20 4	19 56	16 21					n.a.
T 18	14 48	6 51	5 1	4 8	3 56	16 3	1 24	21 16	1 11	23 50	0 12	1 59	2 46	16 46	0 15	19 32	1 25	11 28	15 59	20 1	19 55	16 22					n.a.
F 19	14 29	1 47	4 49	4 11	3 58	15 39	1 24	21 7	1 11	23 50	0 12	1 58	2 46	16 46	0 15	19 32	1 25	11 27	15 59	19 58	19 54	16 24					n.a.
S 20	14 10	3n25	4 19	4 17	4 0	15 14	1 24	20 59	1 11	23 50	0 12	1 57	2 46	16 46	0 15	19 32	1 25	11 25	15 58	19 56	19 54	16 25					n.a.
S 21	13 50	8 27	3 33	4 28	4 0	14 49	1 25	20 50	1 11	23 50	0 12	1 56	2 47	16 46	0 15	19 32	1 25	11 24	15 58	19 55	19 53	16 26					n.a.
M22	13 31	13 1	2 33	4 42	3 58	14 24	1 25	20 41	1 11	23 49	0 12	1 54	2 47	16 46	0 15	19 33	1 26	11 23	15 58	19 54	19 52	16 28					n.a.
T 23	13 11	16 49	1 24	5 1	3 55	13 58	1 24	20 32	1 12	23 49	0 12	1 53	2 47	16 46	0 15	19 33	1 26	11 22	15 57	19 53	19 51	16 29					n.a.
W24	12 51	19 35	0 11	5 23	3 50	13 32	1 24	20 23	1 12	23 49	0 12	1 52	2 47	16 46	0 15	19 33	1 26	11 21	15 57	19 53	19 51	16 30					n.a.
T 25	12 30	21 8	1s 3	5 50	3 43	13 5	1 24	20 14	1 12	23 48	0 13	1 51	2 48	16 46	0 15	19 33	1 26	11 20	15 56	19 53	19 50	16 32					n.a.
F 26	12 10	21 22	2 12	6 20	3 34	12 38	1 24	20 4	1 12	23 48	0 13	1 49	2 48	16 46	0 15	19 33	1 26	11 19	15 56	19 53	19 49	16 33					n.a.
S 27	11 49	20 19	3 13	6 54	3 23	12 11	1 24	19 55	1 12	23 48	0 13	1 48	2 48	16 46	0 15	19 33	1 26	11 18	15 56	19 52	19 49	16 34					n.a.
S 28	11 28	18 6	4 2	7 30	3 10	11 43	1 23	19 45	1 13	23 47	0 13	1 47	2 48	16 46	0 15	19 33	1 26	11 17	15 55	19 50	19 48	16 36					n.a.
M29	11 7	14 56	4 37	8 8	2 56	11 15	1 23	19 35	1 13	23 47	0 13	1 45	2 48	16 46	0 15	19 33	1 26	11 15	15 55	19 48	19 47	16 37					n.a.
T 30	10 45	11 4	4 56	8 47	2 39	10 46	1 22	19 26	1 13	23 47	0 13	1 44	2 49	16 46	0 15	19 33	1 26	11 14	15 55	19 46	19 46	16 38					n.a.
W31	10n24	6n45	5s 0	9n27	2s21	10n18	1n22	19n15	1n13	23n46	0n13	1n42	2s49	16n46	0s15	19n33	1s26	11n13	15n54	19s43	19s46	16s40					n.a.

Julian Day Number = 1633610.5, Delta T = 03h40m28s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'21, Lahiri = - 7°16'20 Julian Calendar 1 Aug. 241 BCE == Greg. Calendar 28 July 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

SEPTEMBER 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 25 22	4♍19'39	13♍18	28°R51	8♍17	10♌ 9	6♋56	10°R39	16°R40	2♊44	8♎24	26°R44	27♏ 7	11♏ 5	n.a.	T 1
F 2	22 29 18	5°18'50	25°50	27♌56	9°32	10°47	7° 5	10♈36	16♉39	2°45	8°26	26♏32	27° 4	11°12	n.a.	F 2
S 3	22 33 15	6°18'04	8♎ 7	27° 8	10°47	11°25	7°15	10°32	16°39	2°45	8°28	26°21	27° 1	11°18	n.a.	S 3
S 4	22 37 11	7°17'19	20°12	26°28	12° 2	12° 3	7°25	10°29	16°39	2°45	8°31	26°14	26°58	11°25	n.a.	S 4
M 5	22 41 8	8°16'36	2♏ 6	25°58	13°17	12°41	7°34	10°25	16°38	2°45	8°33	26° 9	26°55	11°32	n.a.	M 5
T 6	22 45 4	9°15'56	13°55	25°38	14°32	13°19	7°43	10°21	16°38	2°45	8°35	26° 6	26°51	11°38	n.a.	T 6
W 7	22 49 1	10°15'17	25°42	25°D29	15°47	13°57	7°52	10°18	16°37	2°45	8°37	26°D 6	26°48	11°45	n.a.	W 7
T 8	22 52 58	11°14'40	7♐33	25°31	17° 2	14°35	8° 1	10°14	16°37	2°45	8°39	26°R 6	26°45	11°52	n.a.	T 8
F 9	22 56 54	12°14'05	19°32	25°43	18°17	15°13	8°10	10°10	16°36	2°R45	8°42	26° 6	26°42	11°58	n.a.	F 9
S 10	23 0 51	13°13'32	1♑47	26° 5	19°32	15°51	8°19	10° 6	16°35	2°45	8°44	26° 4	26°39	12° 5	n.a.	S 10
S 11	23 4 47	14°13'01	14°21	26°38	20°48	16°29	8°28	10° 2	16°34	2°45	8°46	26° 1	26°36	12°12	n.a.	S 11
M12	23 8 44	15°12'32	27°19	27°19	22° 3	17° 7	8°36	9°57	16°34	2°45	8°48	25°54	26°32	12°18	n.a.	M12
T 13	23 12 40	16°12'04	10♒43	28° 9	23°18	17°45	8°45	9°53	16°33	2°45	8°51	25°46	26°29	12°25	n.a.	T 13
W14	23 16 37	17°11'39	24°33	29° 6	24°33	18°23	8°53	9°49	16°32	2°45	8°53	25°36	26°26	12°32	n.a.	W14
T 15	23 20 33	18°11'15	8♓46	0♍11	25°48	19° 1	9° 1	9°45	16°31	2°45	8°55	25°25	26°23	12°38	n.a.	T 15
F 16	23 24 30	19°10'54	23°19	1°21	27° 3	19°39	9° 9	9°40	16°30	2°45	8°58	25°14	26°20	12°45	n.a.	F 16
S 17	23 28 27	20°10'35	8♈ 2	2°37	28°18	20°17	9°17	9°36	16°29	2°44	9° 0	25° 6	26°17	12°51	n.a.	S 17
S 18	23 32 23	21°10'17	22°49	3°58	29°33	20°55	9°25	9°31	16°28	2°44	9° 2	24°59	26°13	12°58	n.a.	S 18
M19	23 36 20	22°10'03	7♉32	5°22	0♎48	21°33	9°33	9°27	16°27	2°44	9° 5	24°56	26°10	13° 5	n.a.	M19
T 20	23 40 16	23° 9'50	22° 4	6°50	2° 4	22°11	9°40	9°22	16°25	2°44	9° 7	24°D55	26° 7	13°11	n.a.	T 20
W21	23 44 13	24° 9'40	6♊23	8°20	3°19	22°49	9°48	9°18	16°24	2°43	9° 9	24°55	26° 4	13°18	n.a.	W21
T 22	23 48 9	25° 9'32	20°27	9°53	4°34	23°27	9°55	9°13	16°23	2°43	9°12	24°R56	26° 1	13°25	n.a.	T 22
F 23	23 52 6	26° 9'27	4♋14	11°28	5°49	24° 5	10° 2	9° 8	16°21	2°42	9°14	24°55	25°57	13°31	n.a.	F 23
S 24	23 56 2	27° 9'24	17°46	13° 4	7° 4	24°43	10° 9	9° 4	16°20	2°42	9°16	24°53	25°54	13°38	n.a.	S 24
S 25	23 59 59	28° 9'23	1♌ 4	14°41	8°19	25°21	10°16	8°59	16°19	2°41	9°19	24°49	25°51	13°45	n.a.	S 25
M26	0 3 55	29° 9'25	14° 8	16°19	9°34	25°58	10°23	8°54	16°17	2°41	9°21	24°42	25°48	13°51	n.a.	M26
T 27	0 7 52	0♎ 9'28	27° 0	17°58	10°50	26°36	10°29	8°49	16°16	2°40	9°24	24°33	25°45	13°58	n.a.	T 27
W28	0 11 49	1° 9'34	9♍40	19°38	12° 5	27°14	10°36	8°45	16°14	2°40	9°26	24°23	25°42	14° 5	n.a.	W28
T 29	0 15 45	2° 9'42	22° 9	21°17	13°20	27°52	10°42	8°40	16°13	2°39	9°29	24°13	25°38	14°11	n.a.	T 29
F 30	0 19 42	3♎ 9'52	4♎26	22♍57	14♎35	28♌30	10♋48	8♈35	16♉11	2♊38	9♎31	24♏ 4	25♏35	14♏18	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	10n 2	2n13	4s48	10n 6	2s 2	9n49	1n21	19n 5	1n13	23n46	0n14	1n41	2s49	16n46	0s15	19n33	1s26	11n12	15n54	19s39	19s45	16s41			n.a.
F 2	9 40	2s20	4 23	10 44	1 43	9 20	1 21	18 55	1 14	23 46	0 14	1 39	2 49	16 46	0 15	19 33	1 26	11 11	15 54	19 36	19 44	16 42			n.a.
S 3	9 18	6 42	3 45	11 19	1 23	8 50	1 20	18 45	1 14	23 45	0 14	1 38	2 49	16 46	0 15	19 33	1 26	11 10	15 53	19 34	19 43	16 44			n.a.
S 4	8 56	10 44	2 58	11 52	1 3	8 21	1 19	18 34	1 14	23 45	0 14	1 36	2 50	16 46	0 15	19 33	1 26	11 9	15 53	19 32	19 43	16 45			n.a.
M 5	8 34	14 17	2 4	12 21	0 43	7 51	1 18	18 23	1 14	23 44	0 14	1 34	2 50	16 46	0 15	19 33	1 26	11 8	15 53	19 31	19 42	16 46			n.a.
T 6	8 11	17 13	1 4	12 45	0 23	7 21	1 17	18 12	1 14	23 44	0 14	1 33	2 50	16 45	0 15	19 33	1 26	11 6	15 52	19 31	19 41	16 47			n.a.
W 7	7 49	19 27	0 2	13 6	0 5	6 50	1 16	18 2	1 15	23 44	0 14	1 31	2 50	16 45	0 15	19 33	1 26	11 5	15 52	19 30	19 40	16 49			n.a.
T 8	7 26	20 50	1n 1	13 22	0n13	6 20	1 15	17 50	1 15	23 43	0 15	1 29	2 50	16 45	0 15	19 33	1 26	11 4	15 52	19 30	19 40	16 50			n.a.
F 9	7 3	21 17	2 1	13 33	0 29	5 49	1 14	17 39	1 15	23 43	0 15	1 28	2 50	16 45	0 15	19 33	1 26	11 3	15 52	19 30	19 39	16 51			n.a.
S 10	6 40	20 45	2 58	13 39	0 44	5 18	1 13	17 28	1 15	23 42	0 15	1 26	2 51	16 45	0 15	19 33	1 26	11 2	15 51	19 30	19 38	16 53			n.a.
S 11	6 17	19 11	3 47	13 41	0 57	4 47	1 12	17 17	1 15	23 42	0 15	1 24	2 51	16 44	0 15	19 33	1 26	11 1	15 51	19 29	19 37	16 54			n.a.
M12	5 54	16 35	4 26	13 38	1 10	4 16	1 11	17 5	1 15	23 42	0 15	1 23	2 51	16 44	0 15	19 33	1 26	11 0	15 51	19 28	19 37	16 55			n.a.
T 13	5 30	13 4	4 53	13 31	1 20	3 45	1 9	16 54	1 15	23 41	0 15	1 21	2 51	16 44	0 15	19 33	1 26	10 59	15 51	19 26	19 36	16 56			n.a.
W14	5 7	8 44	5 3	13 19	1 30	3 14	1 8	16 42	1 16	23 41	0 15	1 19	2 51	16 44	0 15	19 33	1 26	10 58	15 50	19 23	19 35	16 58			n.a.
T 15	4 43	3 49	4 55	13 4	1 38	2 42	1 6	16 30	1 16	23 40	0 16	1 17	2 51	16 43	0 15	19 33	1 26	10 56	15 50	19 21	19 34	16 59			n.a.
F 16	4 20	1n24	4 28	12 45	1 44	2 11	1 5	16 18	1 16	23 40	0 16	1 15	2 51	16 43	0 15	19 33	1 27	10 55	15 50	19 18	19 34	17 0			n.a.
S 17	3 56	6 38	3 43	12 22	1 50	1 39	1 3	16 6	1 16	23 40	0 16	1 13	2 51	16 43	0 16	19 32	1 27	10 54	15 50	19 16	19 33	17 1			n.a.
S 18	3 32	11 29	2 42	11 56	1 54	1 7	1 2	15 54	1 16	23 39	0 16	1 12	2 52	16 43	0 16	19 32	1 27	10 53	15 49	19 14	19 32	17 2			n.a.
M19	3 9	15 38	1 32	11 28	1 57	0 36	1 0	15 42	1 16	23 39	0 16	1 10	2 52	16 42	0 16	19 32	1 27	10 52	15 49	19 14	19 31	17 4			n.a.
T 20	2 45	18 45	0 15	10 57	2 0	0 4	0 58	15 29	1 17	23 38	0 16	1 8	2 52	16 42	0 16	19 32	1 27	10 51	15 49	19 13	19 31	17 5			n.a.
W21	2 21	20 38	1s 1	10 24	2 1	0s28	0 57	15 17	1 17	23 38	0 17	1 6	2 52	16 41	0 16	19 32	1 27	10 50	15 49	19 13	19 30	17 6			n.a.
T 22	1 57	21 11	2 12	9 49	2 1	1 0	0 55	15 4	1 17	23 38	0 17	1 4	2 52	16 41	0 16	19 32	1 27	10 49	15 49	19 13	19 29	17 7			n.a.
F 23	1 33	20 25	3 14	9 13	2 1	1 32	0 53	14 52	1 17	23 37	0 17	1 2	2 52	16 41	0 16	19 32	1 27	10 48	15 49	19 13	19 28	17 9			n.a.
S 24	1 9	18 29	4 4	8 34	2 0	2 3	0 51	14 39	1 17	23 37	0 17	1 0	2 52	16 40	0 16	19 32	1 27	10 47	15 48	19 13	19 28	17 10			n.a.
S 25	0 44	15 36	4 40	7 55	1 58	2 35	0 49	14 26	1 17	23 36	0 17	0 58	2 52	16 40	0 16	19 32	1 27	10 46	15 48	19 12	19 27	17 11			n.a.
M26	0 20	11 59	5 1	7 14	1 56	3 7	0 47	14 13	1 17	23 36	0 17	0 56	2 52	16 39	0 16	19 31	1 27	10 45	15 48	19 10	19 26	17 12			n.a.
T 27	0s 4	7 52	5 5	6 32	1 53	3 38	0 45	14 0	1 17	23 36	0 18	0 54	2 52	16 39	0 16	19 31	1 27	10 44	15 48	19 8	19 25	17 13			n.a.
W28	0 28	3 29	4 55	5 50	1 50	4 10	0 43	13 47	1 18	23 35	0 18	0 52	2 52	16 39	0 16	19 31	1 27	10 42	15 48	19 6	19 25	17 15			n.a.
T 29	0 52	0s59	4 31	5 7	1 46	4 41	0 41	13 34	1 18	23 35	0 18	0 50	2 52	16 38	0 16	19 31	1 27	10 41	15 48	19 3	19 24	17 16			n.a.
F 30	1s16	5s21	3s54	4n23	1n42	5s13	0n39	13n21	1n18	23n35	0n18	0n48	2s52	16n38	0s16	19n31	1s27	10n40	15n48	19s 1	19s23	17s17			n.a.

Julian Day Number = 1633641.5, Delta T = 03h40m27s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'16, Lahiri = - 7°16'16 Julian Calendar 1 Sept. 241 BCE == Greg. Calendar 28 Aug. 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

OCTOBER 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 23 38	4♎10'04	16♎33	24♍37	15♎50	29♌ 8	10♋54	8°R30	16°R 9	2°R38	9♎33	23°R56	25♏32	14♏25	n.a.	S 1
S 2	0 27 35	5°10'17	28°31	26°17	17° 5	29°46	11° 0	8♈25	16♉ 8	2♊37	9°36	23♏50	25°29	14°31	n.a.	S 2
M 3	0 31 31	6°10'33	10♏21	27°56	18°20	0♍24	11° 5	8°20	16° 6	2°36	9°38	23°47	25°26	14°38	n.a.	M 3
T 4	0 35 28	7°10'50	22° 8	29°36	19°36	1° 2	11°11	8°15	16° 4	2°35	9°41	23°D46	25°22	14°44	n.a.	T 4
W 5	0 39 24	8°11'09	3♐54	1♎15	20°51	1°40	11°16	8°10	16° 2	2°35	9°43	23°46	25°19	14°51	n.a.	W 5
T 6	0 43 21	9°11'29	15°43	2°54	22° 6	2°18	11°21	8° 5	16° 0	2°34	9°46	23°48	25°16	14°58	n.a.	T 6
F 7	0 47 18	10°11'52	27°41	4°33	23°21	2°56	11°26	8° 1	15°58	2°33	9°48	23°49	25°13	15° 4	n.a.	F 7
S 8	0 51 14	11°12'15	9♑53	6°11	24°36	3°34	11°31	7°56	15°56	2°32	9°50	23°R50	25°10	15°11	n.a.	S 8
S 9	0 55 11	12°12'41	22°23	7°49	25°51	4°12	11°35	7°51	15°54	2°31	9°53	23°49	25° 7	15°18	n.a.	S 9
M10	0 59 7	13°13'07	5♒17	9°27	27° 6	4°50	11°40	7°46	15°52	2°30	9°55	23°47	25° 3	15°24	n.a.	M10
T 11	1 3 4	14°13'35	18°37	11° 4	28°22	5°28	11°44	7°41	15°50	2°29	9°58	23°43	25° 0	15°31	n.a.	T 11
W12	1 7 0	15°14'05	2♓27	12°41	29°37	6° 6	11°48	7°36	15°48	2°28	10° 0	23°38	24°57	15°38	n.a.	W12
T 13	1 10 57	16°14'36	16°44	14°18	0♏52	6°44	11°52	7°31	15°46	2°27	10° 3	23°32	24°54	15°44	n.a.	T 13
F 14	1 14 53	17°15'08	1♈25	15°55	2° 7	7°22	11°56	7°27	15°44	2°26	10° 5	23°26	24°51	15°51	n.a.	F 14
S 15	1 18 50	18°15'42	16°23	17°31	3°22	7°59	11°59	7°22	15°42	2°25	10° 7	23°21	24°48	15°58	n.a.	S 15
S 16	1 22 46	19°16'18	1♉30	19° 6	4°37	8°37	12° 3	7°17	15°40	2°24	10°10	23°18	24°44	16° 4	n.a.	S 16
M17	1 26 43	20°16'55	16°36	20°42	5°52	9°15	12° 6	7°12	15°38	2°22	10°12	23°D16	24°41	16°11	n.a.	M17
T 18	1 30 40	21°17'34	1♊32	22°17	7° 7	9°53	12° 9	7° 8	15°35	2°21	10°15	23°16	24°38	16°18	n.a.	T 18
W19	1 34 36	22°18'15	16°11	23°52	8°22	10°31	12°12	7° 3	15°33	2°20	10°17	23°18	24°35	16°24	n.a.	W19
T 20	1 38 33	23°18'58	0♋29	25°27	9°37	11° 9	12°14	6°58	15°31	2°19	10°20	23°19	24°32	16°31	n.a.	T 20
F 21	1 42 29	24°19'43	14°25	27° 2	10°52	11°47	12°17	6°54	15°29	2°18	10°22	23°20	24°28	16°37	n.a.	F 21
S 22	1 46 26	25°20'29	27°58	28°36	12° 7	12°25	12°19	6°49	15°26	2°16	10°24	23°R21	24°25	16°44	n.a.	S 22
S 23	1 50 22	26°21'17	11♌10	0♏10	13°22	13° 3	12°21	6°45	15°24	2°15	10°27	23°20	24°22	16°51	n.a.	S 23
M24	1 54 19	27°22'06	24° 3	1°44	14°37	13°41	12°23	6°41	15°21	2°14	10°29	23°18	24°19	16°57	n.a.	M24
T 25	1 58 15	28°22'57	6♍41	3°18	15°53	14°19	12°25	6°36	15°19	2°12	10°31	23°14	24°16	17° 4	n.a.	T 25
W26	2 2 12	29°23'50	19° 5	4°52	17° 8	14°56	12°26	6°32	15°17	2°11	10°34	23°10	24°13	17°11	n.a.	W26
T 27	2 6 9	0♏24'44	1♎18	6°26	18°23	15°34	12°28	6°28	15°14	2°10	10°36	23° 6	24° 9	17°17	n.a.	T 27
F 28	2 10 5	1°25'40	13°22	7°59	19°38	16°12	12°29	6°23	15°12	2° 8	10°38	23° 2	24° 6	17°24	n.a.	F 28
S 29	2 14 2	2°26'36	25°18	9°32	20°53	16°50	12°30	6°19	15° 9	2° 7	10°41	22°59	24° 3	17°31	n.a.	S 29
S 30	2 17 58	3°27'34	7♏ 9	11° 6	22° 8	17°28	12°30	6°15	15° 7	2° 5	10°43	22°57	24° 0	17°37	n.a.	S 30
M31	2 21 55	4♏28'34	18♏57	12♏39	23♏23	18♍ 6	12♋31	6♈11	15♉ 4	2♊ 4	10♎45	22°D57	23♏57	17♏44	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s41	9s27	3s 7	3n39	1n37	5s44	0n37	13n 7	1n18	23n34	0n18	0n46	2s52	16n37	0s16	19n31	1s27	10n39	15n48	18s59	19s22	17s18		n.a.
S 2	2 5	13 8	2 12	2 54	1 32	6 15	0 35	12 54	1 18	23 34	0 18	0 45	2 52	16 37	0 16	19 30	1 27	10 38	15 48	18 57	19 22	17 19		n.a.
M 3	2 29	16 14	1 12	2 10	1 27	6 46	0 33	12 41	1 18	23 34	0 19	0 43	2 52	16 36	0 16	19 30	1 27	10 37	15 48	18 56	19 21	17 20		n.a.
T 4	2 53	18 40	0 9	1 25	1 22	7 17	0 30	12 27	1 18	23 33	0 19	0 41	2 52	16 36	0 16	19 30	1 27	10 36	15 47	18 56	19 20	17 22		n.a.
W 5	3 17	20 17	0n55	0 40	1 16	7 48	0 28	12 13	1 18	23 33	0 19	0 39	2 52	16 35	0 16	19 30	1 27	10 35	15 47	18 56	19 19	17 23		n.a.
T 6	3 41	21 1	1 56	0s 5	1 11	8 18	0 26	12 0	1 18	23 33	0 19	0 37	2 52	16 35	0 16	19 30	1 27	10 34	15 47	18 57	19 18	17 24		n.a.
F 7	4 5	20 48	2 54	0 50	1 5	8 49	0 23	11 46	1 19	23 33	0 19	0 35	2 52	16 34	0 16	19 29	1 27	10 33	15 47	18 57	19 18	17 25		n.a.
S 8	4 29	19 37	3 44	1 35	0 59	9 19	0 21	11 32	1 19	23 32	0 19	0 33	2 52	16 33	0 16	19 29	1 27	10 32	15 47	18 57	19 17	17 26		n.a.
S 9	4 53	17 28	4 26	2 20	0 52	9 49	0 19	11 18	1 19	23 32	0 20	0 31	2 52	16 33	0 16	19 29	1 27	10 31	15 47	18 57	19 16	17 27		n.a.
M10	5 17	14 24	4 55	3 5	0 46	10 19	0 16	11 4	1 19	23 32	0 20	0 29	2 52	16 32	0 16	19 29	1 27	10 31	15 47	18 56	19 15	17 28		n.a.
T 11	5 40	10 31	5 10	3 49	0 40	10 48	0 14	10 50	1 19	23 32	0 20	0 27	2 52	16 32	0 16	19 29	1 27	10 30	15 47	18 55	19 15	17 30		n.a.
W12	6 4	5 57	5 8	4 34	0 33	11 17	0 12	10 36	1 19	23 32	0 20	0 25	2 52	16 31	0 16	19 28	1 27	10 29	15 47	18 54	19 14	17 31		n.a.
T 13	6 28	0 55	4 46	5 18	0 27	11 46	0 9	10 22	1 19	23 31	0 20	0 23	2 52	16 30	0 16	19 28	1 27	10 28	15 47	18 53	19 13	17 32		n.a.
F 14	6 51	4n19	4 6	6 1	0 20	12 15	0 7	10 8	1 19	23 31	0 21	0 22	2 52	16 30	0 16	19 28	1 27	10 27	15 47	18 51	19 12	17 33		n.a.
S 15	7 15	9 24	3 8	6 44	0 14	12 43	0 4	9 54	1 19	23 31	0 21	0 20	2 52	16 29	0 16	19 28	1 28	10 26	15 47	18 50	19 11	17 34		n.a.
S 16	7 38	13 57	1 56	7 27	0 7	13 11	0 2	9 39	1 19	23 31	0 21	0 18	2 52	16 29	0 15	19 27	1 28	10 25	15 47	18 49	19 11	17 35		n.a.
M17	8 1	17 35	0 36	8 10	0 1	13 39	0s 1	9 25	1 19	23 31	0 21	0 16	2 52	16 28	0 15	19 27	1 28	10 24	15 47	18 49	19 10	17 36		n.a.
T 18	8 24	19 58	0s45	8 52	0s 6	14 6	0 3	9 11	1 20	23 31	0 21	0 14	2 52	16 27	0 15	19 27	1 28	10 23	15 48	18 49	19 9	17 37		n.a.
W19	8 47	20 58	2 2	9 34	0 13	14 33	0 6	8 56	1 20	23 31	0 22	0 13	2 51	16 27	0 15	19 27	1 28	10 22	15 48	18 49	19 8	17 38		n.a.
T 20	9 10	20 33	3 10	10 15	0 19	15 0	0 8	8 42	1 20	23 31	0 22	0 11	2 51	16 26	0 15	19 26	1 28	10 21	15 48	18 49	19 8	17 40		n.a.
F 21	9 32	18 53	4 5	10 56	0 25	15 26	0 11	8 27	1 20	23 31	0 22	0 9	2 51	16 25	0 15	19 26	1 28	10 21	15 48	18 50	19 7	17 41		n.a.
S 22	9 55	16 10	4 44	11 36	0 32	15 52	0 13	8 12	1 20	23 31	0 22	0 8	2 51	16 25	0 15	19 26	1 28	10 20	15 48	18 50	19 6	17 42		n.a.
S 23	10 17	12 42	5 7	12 16	0 38	16 18	0 16	7 58	1 20	23 31	0 22	0 6	2 51	16 24	0 15	19 26	1 28	10 19	15 48	18 50	19 5	17 43		n.a.
M24	10 39	8 43	5 14	12 55	0 44	16 43	0 18	7 43	1 20	23 31	0 22	0 4	2 51	16 23	0 15	19 25	1 28	10 18	15 48	18 49	19 4	17 44		n.a.
T 25	11 2	4 26	5 6	13 33	0 51	17 7	0 21	7 28	1 20	23 31	0 23	0 3	2 51	16 23	0 15	19 25	1 28	10 17	15 48	18 48	19 4	17 45		n.a.
W26	11 23	0 2	4 43	14 11	0 57	17 31	0 23	7 14	1 20	23 31	0 23	0 1	2 51	16 22	0 15	19 25	1 28	10 17	15 48	18 47	19 3	17 46		n.a.
T 27	11 45	4s18	4 8	14 48	1 3	17 55	0 26	6 59	1 20	23 31	0 23	0s 1	2 50	16 21	0 15	19 24	1 28	10 16	15 48	18 46	19 2	17 47		n.a.
F 28	12 7	8 25	3 22	15 25	1 8	18 18	0 28	6 44	1 20	23 31	0 23	0 2	2 50	16 20	0 15	19 24	1 28	10 15	15 49	18 45	19 1	17 48		n.a.
S 29	12 28	12 11	2 27	16 1	1 14	18 41	0 31	6 29	1 20	23 31	0 23	0 4	2 50	16 20	0 15	19 24	1 28	10 14	15 49	18 44	19 0	17 49		n.a.
S 30	12 49	15 25	1 26	16 36	1 20	19 3	0 33	6 14	1 20	23 31	0 24	0 5	2 50	16 19	0 15	19 23	1 28	10 14	15 49	18 44	19 0	17 50		n.a.
M31	13s10	18s 1	0s22	17s10	1s25	19s25	0s36	5n59	1n20	23n31	0n24	0s 7	2s50	16n18	0s15	19n23	1s28	10n13	15n49	18s44	18s59	17s51		n.a.

Julian Day Number = 1633671.5, Delta T = 03h40m26s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'12, Lahiri = - 7°16'12 Julian Calendar 1 Oct. 241 BCE == Greg. Calendar 27 Sept. 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

NOVEMBER 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 25 51	5♏29'34	0♐44	14♏12	24♏38	18♍44	12♋31	6°R 7	15°R 2	2°R 2	10♎48	22♏57	23♏53	17♏51	n.a.	T 1
W 2	2 29 48	6°30'35	12°32	15°45	25°53	19°21	12°R31	6♈ 3	14♉59	2♊ 1	10°50	22°58	23°50	17°57	n.a.	W 2
T 3	2 33 44	7°31'38	24°24	17°18	27° 8	19°59	12°31	5°59	14°57	1°59	10°52	22°59	23°47	18° 4	n.a.	T 3
F 4	2 37 41	8°32'41	6♑24	18°51	28°23	20°37	12°31	5°56	14°54	1°58	10°54	23° 1	23°44	18°11	n.a.	F 4
S 5	2 41 38	9°33'45	18°35	20°24	29°38	21°15	12°30	5°52	14°52	1°56	10°57	23° 2	23°41	18°17	n.a.	S 5
S 6	2 45 34	10°34'50	1♒ 3	21°57	0♐53	21°53	12°30	5°49	14°49	1°55	10°59	23° 3	23°38	18°24	n.a.	S 6
M 7	2 49 31	11°35'55	13°51	23°29	2° 8	22°31	12°29	5°45	14°47	1°53	11° 1	23°R 3	23°34	18°30	n.a.	M 7
T 8	2 53 27	12°37'01	27° 2	25° 2	3°22	23° 8	12°28	5°42	14°44	1°52	11° 3	23° 2	23°31	18°37	n.a.	T 8
W 9	2 57 24	13°38'07	10♓41	26°34	4°37	23°46	12°26	5°38	14°42	1°50	11° 5	23° 2	23°28	18°44	n.a.	W 9
T 10	3 1 20	14°39'14	24°47	28° 6	5°52	24°24	12°25	5°35	14°39	1°49	11° 7	23° 1	23°25	18°50	n.a.	T 10
F 11	3 5 17	15°40'21	9♈20	29°38	7° 7	25° 2	12°23	5°32	14°37	1°47	11° 9	23° 0	23°22	18°57	n.a.	F 11
S 12	3 9 13	16°41'29	24°14	1♐ 9	8°22	25°39	12°21	5°29	14°34	1°45	11°12	22°59	23°19	19° 4	n.a.	S 12
S 13	3 13 10	17°42'38	9♉24	2°40	9°37	26°17	12°19	5°26	14°31	1°44	11°14	22°58	23°15	19°10	n.a.	S 13
M14	3 17 7	18°43'47	24°39	4°11	10°52	26°55	12°17	5°23	14°29	1°42	11°16	22°D58	23°12	19°17	n.a.	M14
T 15	3 21 3	19°44'57	9♊50	5°41	12° 7	27°33	12°15	5°20	14°26	1°40	11°18	22°58	23° 9	19°24	n.a.	T 15
W16	3 25 0	20°46'07	24°48	7°11	13°21	28°10	12°12	5°18	14°24	1°39	11°20	22°59	23° 6	19°30	n.a.	W16
T 17	3 28 56	21°47'19	9♋25	8°39	14°36	28°48	12° 9	5°15	14°21	1°37	11°22	22°59	23° 3	19°37	n.a.	T 17
F 18	3 32 53	22°48'31	23°36	10° 7	15°51	29°26	12° 6	5°12	14°19	1°35	11°24	22°R59	22°59	19°44	n.a.	F 18
S 19	3 36 49	23°49'44	7♌20	11°33	17° 6	0♎ 3	12° 3	5°10	14°16	1°34	11°26	22°59	22°56	19°50	n.a.	S 19
S 20	3 40 46	24°50'57	20°38	12°58	18°21	0°41	12° 0	5° 8	14°14	1°32	11°28	22°D59	22°53	19°57	n.a.	S 20
M21	3 44 43	25°52'11	3♍31	14°21	19°35	1°19	11°56	5° 6	14°11	1°30	11°29	22°59	22°50	20° 3	n.a.	M21
T 22	3 48 39	26°53'26	16° 4	15°42	20°50	1°56	11°52	5° 4	14° 9	1°29	11°31	22°59	22°47	20°10	n.a.	T 22
W23	3 52 36	27°54'41	28°21	17° 1	22° 5	2°34	11°48	5° 2	14° 6	1°27	11°33	22°59	22°44	20°17	n.a.	W23
T 24	3 56 32	28°55'57	10♎24	18°17	23°19	3°12	11°44	5° 0	14° 4	1°25	11°35	23° 0	22°40	20°23	n.a.	T 24
F 25	4 0 29	29°57'13	22°19	19°29	24°34	3°49	11°40	4°58	14° 1	1°23	11°37	23° 1	22°37	20°30	n.a.	F 25
S 26	4 4 25	0♐58'30	4♏ 8	20°38	25°49	4°27	11°35	4°56	13°59	1°22	11°39	23° 2	22°34	20°37	n.a.	S 26
S 27	4 8 22	1°59'47	15°55	21°42	27° 4	5° 4	11°31	4°55	13°57	1°20	11°40	23° 2	22°31	20°43	n.a.	S 27
M28	4 12 18	3° 1'04	27°43	22°40	28°18	5°42	11°26	4°53	13°54	1°18	11°42	23°R 2	22°28	20°50	n.a.	M28
T 29	4 16 15	4° 2'22	9♐32	23°33	29°33	6°20	11°21	4°52	13°52	1°17	11°44	23° 2	22°25	20°57	n.a.	T 29
W30	4 20 12	5♐ 3'39	21♐26	24♐19	0♑47	6♎57	11♋16	4♈51	13♉50	1♊15	11♎45	23♏ 0	22♏21	21♏ 3	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13 s30	19 s51	0n43	17 s43	1 s30	19 s46	0 s38	5n44	1n20	23n31	0n24	0 s 8	2 s50	16n17	0 s15	19n23	1 s28	10n12	15n49	18 s44	18 s58	17 s52		n.a.
W 2	13 51	20 48	1 46	18 16	1 35	20 7	0 41	5 29	1 20	23 32	0 24	0 9	2 49	16 17	0 15	19 23	1 28	10 11	15 49	18 44	18 57	17 53		n.a.
T 3	14 11	20 51	2 46	18 48	1 40	20 27	0 43	5 14	1 20	23 32	0 24	0 11	2 49	16 16	0 15	19 22	1 28	10 11	15 50	18 44	18 56	17 54		n.a.
F 4	14 31	19 56	3 39	19 18	1 45	20 46	0 45	4 59	1 20	23 32	0 25	0 12	2 49	16 15	0 15	19 22	1 28	10 10	15 50	18 45	18 56	17 55		n.a.
S 5	14 51	18 5	4 22	19 48	1 49	21 5	0 48	4 44	1 20	23 32	0 25	0 13	2 49	16 15	0 15	19 22	1 28	10 9	15 50	18 45	18 55	17 57		n.a.
S 6	15 10	15 22	4 55	20 17	1 53	21 24	0 50	4 29	1 20	23 33	0 25	0 15	2 49	16 14	0 15	19 21	1 28	10 9	15 50	18 45	18 54	17 58		n.a.
M 7	15 29	11 52	5 14	20 45	1 57	21 41	0 52	4 14	1 20	23 33	0 25	0 16	2 48	16 13	0 15	19 21	1 28	10 8	15 51	18 45	18 53	17 59		n.a.
T 8	15 48	7 41	5 17	21 12	2 0	21 58	0 55	3 59	1 20	23 33	0 25	0 17	2 48	16 12	0 15	19 21	1 28	10 8	15 51	18 45	18 52	18 0		n.a.
W 9	16 7	2 59	5 3	21 37	2 4	22 15	0 57	3 44	1 20	23 34	0 26	0 18	2 48	16 12	0 15	19 20	1 28	10 7	15 51	18 45	18 52	18 1		n.a.
T 10	16 25	2n 2	4 30	22 2	2 7	22 31	0 59	3 29	1 20	23 34	0 26	0 19	2 48	16 11	0 15	19 20	1 28	10 6	15 51	18 45	18 51	18 2		n.a.
F 11	16 44	7 6	3 40	22 25	2 9	22 46	1 1	3 13	1 20	23 34	0 26	0 20	2 48	16 10	0 15	19 20	1 28	10 6	15 52	18 44	18 50	18 3		n.a.
S 12	17 1	11 53	2 33	22 46	2 11	23 0	1 3	2 58	1 20	23 35	0 26	0 21	2 47	16 9	0 15	19 19	1 28	10 5	15 52	18 44	18 49	18 4		n.a.
S 13	17 19	15 59	1 15	23 7	2 13	23 14	1 5	2 43	1 20	23 35	0 26	0 22	2 47	16 9	0 15	19 19	1 28	10 5	15 52	18 44	18 48	18 5		n.a.
M14	17 36	19 0	0 s 9	23 26	2 14	23 27	1 7	2 28	1 20	23 35	0 27	0 23	2 47	16 8	0 15	19 19	1 28	10 4	15 52	18 44	18 48	18 6		n.a.
T 15	17 53	20 40	1 33	23 44	2 15	23 40	1 10	2 13	1 20	23 36	0 27	0 24	2 47	16 7	0 15	19 18	1 28	10 4	15 53	18 44	18 47	18 7		n.a.
W16	18 9	20 49	2 48	24 0	2 16	23 51	1 11	1 57	1 20	23 36	0 27	0 25	2 46	16 6	0 15	19 18	1 28	10 3	15 53	18 44	18 46	18 8		n.a.
T 17	18 26	19 33	3 51	24 14	2 16	24 2	1 13	1 42	1 20	23 37	0 27	0 26	2 46	16 6	0 15	19 18	1 28	10 3	15 53	18 44	18 45	18 9		n.a.
F 18	18 42	17 4	4 38	24 27	2 15	24 13	1 15	1 27	1 20	23 37	0 28	0 26	2 46	16 5	0 15	19 17	1 28	10 2	15 54	18 44	18 44	18 9		n.a.
S 19	18 57	13 43	5 7	24 38	2 14	24 22	1 17	1 12	1 20	23 38	0 28	0 27	2 46	16 4	0 15	19 17	1 28	10 2	15 54	18 44	18 44	18 10		n.a.
S 20	19 12	9 46	5 18	24 48	2 12	24 31	1 19	0 57	1 20	23 38	0 28	0 28	2 45	16 3	0 15	19 17	1 28	10 1	15 54	18 44	18 43	18 11		n.a.
M21	19 27	5 28	5 13	24 56	2 9	24 39	1 21	0 41	1 20	23 39	0 28	0 28	2 45	16 3	0 15	19 16	1 28	10 1	15 55	18 44	18 42	18 12		n.a.
T 22	19 42	1 4	4 53	25 1	2 5	24 46	1 22	0 26	1 20	23 39	0 28	0 29	2 45	16 2	0 15	19 16	1 28	10 0	15 55	18 44	18 41	18 13		n.a.
W23	19 56	3 s18	4 20	25 5	2 1	24 53	1 24	0 11	1 20	23 40	0 29	0 30	2 44	16 1	0 15	19 16	1 28	10 0	15 55	18 44	18 40	18 14		n.a.
T 24	20 9	7 28	3 36	25 7	1 56	24 59	1 26	0 s 4	1 20	23 40	0 29	0 30	2 44	16 0	0 15	19 15	1 28	10 0	15 56	18 45	18 39	18 15		n.a.
F 25	20 23	11 18	2 43	25 8	1 50	25 4	1 27	0 19	1 20	23 41	0 29	0 30	2 44	16 0	0 15	19 15	1 28	9 59	15 56	18 45	18 39	18 16		n.a.
S 26	20 36	14 40	1 43	25 6	1 43	25 8	1 29	0 34	1 20	23 42	0 29	0 31	2 44	15 59	0 15	19 15	1 28	9 59	15 56	18 45	18 38	18 17		n.a.
S 27	20 48	17 26	0 39	25 2	1 35	25 11	1 30	0 50	1 19	23 42	0 29	0 31	2 43	15 58	0 15	19 14	1 28	9 59	15 57	18 45	18 37	18 18		n.a.
M28	21 1	19 28	0n26	24 56	1 25	25 14	1 31	1 5	1 19	23 43	0 30	0 32	2 43	15 58	0 15	19 14	1 28	9 58	15 57	18 45	18 36	18 19		n.a.
T 29	21 12	20 39	1 30	24 49	1 15	25 16	1 33	1 20	1 19	23 44	0 30	0 32	2 43	15 57	0 15	19 14	1 28	9 58	15 57	18 45	18 35	18 20		n.a.
W30	21 s24	20 s56	2n31	24 s39	1 s 3	25 s17	1 s34	1 s35	1n19	23n44	0n30	0 s32	2 s43	15n56	0 s15	19n13	1 s28	9n58	15n58	18 s45	18 s35	18 s21		n.a.

Julian Day Number = 1633702.5, Delta T = 03h40m25s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'08, Lahiri = - 7°16'08 Julian Calendar 1 Nov. 241 BCE == Greg. Calendar 28 Oct. 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 241 BCE
geocentric

DECEMBER 241 BCE (-240) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 24 8	6♐ 4'56	3♉27	24♐57	2♉ 2	7♎35	11°R10	4°R50	13°R47	1°R13	11♎47	22°R59	22♏18	21♏10	n.a.	T 1
F 2	4 28 5	7° 6'13	15°35	25°27	3°17	8°12	11♋ 5	4♈49	13♉45	1♊12	11°49	22♏56	22°15	21°17	n.a.	F 2
S 3	4 32 1	8° 7'30	27°55	25°47	4°31	8°50	10°59	4°48	13°43	1°10	11°50	22°54	22°12	21°23	n.a.	S 3
S 4	4 35 58	9° 8'46	10♒28	25°R56	5°46	9°27	10°54	4°47	13°40	1° 8	11°52	22°52	22° 9	21°30	n.a.	S 4
M 5	4 39 54	10°10'02	23°16	25°54	7° 0	10° 5	10°48	4°46	13°38	1° 7	11°53	22°50	22° 5	21°37	n.a.	M 5
T 6	4 43 51	11°11'18	6♓23	25°41	8°15	10°42	10°42	4°46	13°36	1° 5	11°55	22°D50	22° 2	21°43	n.a.	T 6
W 7	4 47 47	12°12'33	19°51	25°16	9°29	11°19	10°35	4°45	13°34	1° 3	11°56	22°50	21°59	21°50	n.a.	W 7
T 8	4 51 44	13°13'47	3♈42	24°39	10°43	11°57	10°29	4°45	13°32	1° 2	11°58	22°51	21°56	21°56	n.a.	T 8
F 9	4 55 41	14°15'00	17°56	23°51	11°58	12°34	10°23	4°45	13°30	1° 0	11°59	22°52	21°53	22° 3	n.a.	F 9
S 10	4 59 37	15°16'13	2♉32	22°53	13°12	13°12	10°16	4°D45	13°28	0°58	12° 1	22°53	21°50	22°10	n.a.	S 10
S 11	5 3 34	16°17'26	17°26	21°47	14°27	13°49	10° 9	4°45	13°26	0°57	12° 2	22°R54	21°46	22°16	n.a.	S 11
M12	5 7 30	17°18'38	2♊31	20°33	15°41	14°26	10° 3	4°45	13°24	0°55	12° 3	22°54	21°43	22°23	n.a.	M12
T 13	5 11 27	18°19'49	17°38	19°16	16°55	15° 3	9°56	4°45	13°22	0°53	12° 5	22°53	21°40	22°30	n.a.	T 13
W14	5 15 23	19°21'00	2♋39	17°57	18° 9	15°41	9°49	4°45	13°20	0°52	12° 6	22°50	21°37	22°36	n.a.	W14
T 15	5 19 20	20°22'10	17°25	16°38	19°24	16°18	9°42	4°46	13°18	0°50	12° 7	22°46	21°34	22°43	n.a.	T 15
F 16	5 23 17	21°23'20	1♌48	15°23	20°38	16°55	9°34	4°47	13°16	0°49	12° 8	22°42	21°31	22°50	n.a.	F 16
S 17	5 27 13	22°24'29	15°44	14°13	21°52	17°32	9°27	4°47	13°14	0°47	12° 9	22°37	21°27	22°56	n.a.	S 17
S 18	5 31 10	23°25'38	29°12	13° 9	23° 6	18°10	9°20	4°48	13°12	0°45	12°11	22°34	21°24	23° 3	n.a.	S 18
M19	5 35 6	24°26'47	12♍13	12°14	24°20	18°47	9°12	4°49	13°11	0°44	12°12	22°32	21°21	23°10	n.a.	M19
T 20	5 39 3	25°27'54	24°49	11°27	25°34	19°24	9° 5	4°50	13° 9	0°42	12°13	22°D31	21°18	23°16	n.a.	T 20
W21	5 42 59	26°29'02	7♎ 5	10°50	26°48	20° 1	8°57	4°51	13° 7	0°41	12°14	22°31	21°15	23°23	n.a.	W21
T 22	5 46 56	27°30'09	19° 7	10°22	28° 2	20°38	8°49	4°52	13° 6	0°39	12°15	22°33	21°11	23°30	n.a.	T 22
F 23	5 50 52	28°31'15	0♏58	10° 3	29°16	21°15	8°42	4°54	13° 4	0°38	12°16	22°35	21° 8	23°36	n.a.	F 23
S 24	5 54 49	29°32'20	12°45	9°53	0♒30	21°52	8°34	4°55	13° 2	0°36	12°17	22°36	21° 5	23°43	n.a.	S 24
S 25	5 58 46	0♑33'25	24°31	9°D52	1°43	22°29	8°26	4°57	13° 1	0°35	12°18	22°R37	21° 2	23°49	n.a.	S 25
M26	6 2 42	1°34'29	6♐20	9°58	2°57	23° 6	8°18	4°59	13° 0	0°34	12°18	22°36	20°59	23°56	n.a.	M26
T 27	6 6 39	2°35'32	18°15	10°11	4°11	23°43	8°10	5° 0	12°58	0°32	12°19	22°32	20°56	24° 3	n.a.	T 27
W28	6 10 35	3°36'34	0♑18	10°32	5°25	24°20	8° 2	5° 2	12°57	0°31	12°20	22°27	20°52	24° 9	n.a.	W28
T 29	6 14 32	4°37'36	12°31	10°58	6°38	24°57	7°54	5° 4	12°55	0°29	12°21	22°20	20°49	24°16	n.a.	T 29
F 30	6 18 28	5°38'35	24°55	11°30	7°52	25°34	7°46	5° 7	12°54	0°28	12°21	22°12	20°46	24°23	n.a.	F 30
S 31	6 22 25	6♑39'34	7♒31	12♐ 7	9♒ 6	26♎11	7♋38	5♈ 9	12♉53	0♊27	12♎22	22♏ 4	20♏43	24♏29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21 s35	20 s15	3n26	24 s28	0 s50	25 s17	1 s35	1 s50	1n19	23n45	0n30	0 s32	2 s42	15n55	0 s15	19n13	1 s28	9n57	15n58	18 s44	18 s34	18 s22			n.a.
F 2	21 45	18 38	4 12	24 15	0 36	25 17	1 36	2 5	1 19	23 45	0 30	0 32	2 42	15 55	0 15	19 13	1 28	9 57	15 59	18 44	18 33	18 23			n.a.
S 3	21 55	16 8	4 47	24 0	0 21	25 16	1 37	2 20	1 19	23 46	0 31	0 32	2 42	15 54	0 15	19 12	1 28	9 57	15 59	18 43	18 32	18 24			n.a.
S 4	22 5	12 52	5 9	23 44	0 4	25 14	1 38	2 35	1 19	23 47	0 31	0 32	2 41	15 53	0 15	19 12	1 28	9 57	15 59	18 42	18 31	18 24			n.a.
M 5	22 14	8 57	5 16	23 26	0n13	25 11	1 39	2 50	1 19	23 48	0 31	0 32	2 41	15 53	0 15	19 12	1 28	9 56	16 0	18 42	18 30	18 25			n.a.
T 6	22 23	4 31	5 8	23 7	0 32	25 7	1 40	3 5	1 19	23 48	0 31	0 32	2 41	15 52	0 15	19 11	1 28	9 56	16 0	18 42	18 30	18 26			n.a.
W 7	22 31	0n15	4 42	22 47	0 51	25 3	1 41	3 20	1 18	23 49	0 31	0 32	2 40	15 52	0 15	19 11	1 28	9 56	16 1	18 42	18 29	18 27			n.a.
T 8	22 39	5 9	4 0	22 26	1 11	24 58	1 41	3 35	1 18	23 50	0 32	0 32	2 40	15 51	0 15	19 11	1 28	9 56	16 1	18 42	18 28	18 28			n.a.
F 9	22 47	9 54	3 1	22 4	1 31	24 52	1 42	3 50	1 18	23 50	0 32	0 32	2 40	15 50	0 15	19 10	1 28	9 56	16 2	18 42	18 27	18 29			n.a.
S 10	22 54	14 13	1 50	21 42	1 50	24 46	1 43	4 4	1 18	23 51	0 32	0 32	2 40	15 50	0 15	19 10	1 28	9 56	16 2	18 43	18 26	18 30			n.a.
S 11	23 0	17 43	0 30	21 20	2 8	24 38	1 43	4 19	1 18	23 52	0 32	0 31	2 39	15 49	0 15	19 10	1 28	9 56	16 3	18 43	18 25	18 31			n.a.
M12	23 7	20 3	0 s53	20 58	2 25	24 30	1 43	4 34	1 18	23 52	0 32	0 31	2 39	15 48	0 15	19 9	1 28	9 56	16 3	18 43	18 25	18 32			n.a.
T 13	23 12	20 57	2 12	20 36	2 41	24 21	1 44	4 49	1 17	23 53	0 32	0 31	2 39	15 48	0 15	19 9	1 28	9 55	16 3	18 43	18 24	18 32			n.a.
W14	23 17	20 20	3 22	20 16	2 54	24 12	1 44	5 3	1 17	23 54	0 33	0 30	2 38	15 47	0 15	19 9	1 28	9 55	16 4	18 42	18 23	18 33			n.a.
T 15	23 22	18 20	4 16	19 58	3 6	24 1	1 44	5 18	1 17	23 55	0 33	0 30	2 38	15 47	0 15	19 8	1 28	9 55	16 4	18 41	18 22	18 34			n.a.
F 16	23 26	15 14	4 53	19 41	3 14	23 50	1 44	5 33	1 17	23 55	0 33	0 29	2 38	15 46	0 15	19 8	1 28	9 55	16 5	18 40	18 21	18 35			n.a.
S 17	23 30	11 21	5 12	19 27	3 21	23 38	1 44	5 47	1 17	23 56	0 33	0 29	2 37	15 46	0 15	19 8	1 28	9 55	16 5	18 39	18 20	18 36			n.a.
S 18	23 33	7 1	5 12	19 16	3 25	23 26	1 44	6 2	1 17	23 57	0 33	0 28	2 37	15 45	0 15	19 7	1 28	9 55	16 6	18 38	18 20	18 37			n.a.
M19	23 36	2 31	4 56	19 7	3 26	23 13	1 44	6 16	1 16	23 57	0 33	0 28	2 37	15 45	0 15	19 7	1 28	9 55	16 6	18 37	18 19	18 37			n.a.
T 20	23 39	1 s58	4 25	19 1	3 26	22 59	1 44	6 30	1 16	23 58	0 34	0 27	2 36	15 44	0 15	19 7	1 27	9 55	16 7	18 37	18 18	18 38			n.a.
W21	23 41	6 16	3 44	18 58	3 24	22 44	1 44	6 45	1 16	23 59	0 34	0 26	2 36	15 44	0 15	19 7	1 27	9 55	16 7	18 37	18 17	18 39			n.a.
T 22	23 42	10 14	2 53	18 58	3 20	22 29	1 43	6 59	1 16	23 59	0 34	0 25	2 36	15 43	0 15	19 6	1 27	9 55	16 8	18 38	18 16	18 40			n.a.
F 23	23 43	13 45	1 56	19 1	3 15	22 13	1 43	7 13	1 15	24 0	0 34	0 24	2 36	15 43	0 15	19 6	1 27	9 56	16 8	18 38	18 15	18 41			n.a.
S 24	23 43	16 42	0 54	19 5	3 8	21 57	1 42	7 28	1 15	24 1	0 34	0 24	2 35	15 42	0 15	19 6	1 27	9 56	16 9	18 38	18 15	18 42			n.a.
S 25	23 43	18 57	0n10	19 12	3 1	21 40	1 42	7 42	1 15	24 1	0 34	0 23	2 35	15 42	0 15	19 5	1 27	9 56	16 9	18 39	18 14	18 42			n.a.
M26	23 43	20 24	1 14	19 21	2 53	21 22	1 41	7 56	1 15	24 2	0 35	0 22	2 35	15 41	0 15	19 5	1 27	9 56	16 10	18 38	18 13	18 43			n.a.
T 27	23 42	20 57	2 15	19 32	2 44	21 4	1 40	8 10	1 14	24 3	0 35	0 21	2 34	15 41	0 15	19 5	1 27	9 56	16 10	18 37	18 12	18 44			n.a.
W28	23 40	20 33	3 10	19 44	2 35	20 45	1 39	8 24	1 14	24 3	0 35	0 20	2 34	15 41	0 15	19 5	1 27	9 56	16 11	18 36	18 11	18 45			n.a.
T 29	23 38	19 11	3 58	19 57	2 26	20 25	1 39	8 38	1 14	24 4	0 35	0 19	2 34	15 40	0 15	19 4	1 27	9 56	16 11	18 34	18 10	18 46			n.a.
F 30	23 36	16 54	4 35	20 11	2 16	20 5	1 37	8 51	1 14	24 5	0 35	0 17	2 33	15 40	0 15	19 4	1 27	9 57	16 12	18 32	18 9	18 46			n.a.
S 31	23 s33	13 s48	4n59	20 s26	2n 6	19 s45	1 s36	9 s 5	1n13	24n 5	0n35	0 s16	2 s33	15n39	0 s15	19n 4	1 s27	9n57	16n12	18 s30	18 s 9	18 s47			n.a.

Julian Day Number = 1633732.5, Delta T = 03h40m24s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'04, Lahiri = - 7°16'03 Julian Calendar 1 Dec. 241 BCE == Greg. Calendar 27 Nov. 241 BCE

The year -240 astronomical counting style corresponds to year 241 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

JANUARY 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 26 21	7♉40'31	20♒19	12♐49	10♒19	26♎48	7°R30	5♈11	12°R52	0°R26	12♎23	21°R56	20♏40	24♏36	n.a.	S 1
M 2	6 30 18	8°41'27	3♓19	13°35	11°33	27°24	7♋22	5°14	12♉51	0♊24	12°23	21♏49	20°37	24°43	n.a.	M 2
T 3	6 34 15	9°42'21	16°32	14°25	12°46	28° 1	7°14	5°16	12°49	0°23	12°24	21°44	20°33	24°49	n.a.	T 3
W 4	6 38 11	10°43'14	0♈ 0	15°18	13°59	28°38	7° 6	5°19	12°48	0°22	12°25	21°42	20°30	24°56	n.a.	W 4
T 5	6 42 8	11°44'05	13°44	16°15	15°13	29°14	6°58	5°22	12°47	0°21	12°25	21°D41	20°27	25° 3	n.a.	T 5
F 6	6 46 4	12°44'55	27°43	17°14	16°26	29°51	6°50	5°25	12°47	0°19	12°25	21°42	20°24	25° 9	n.a.	F 6
S 7	6 50 1	13°45'43	11♉58	18°16	17°39	0♏27	6°42	5°28	12°46	0°18	12°26	21°43	20°21	25°16	n.a.	S 7
S 8	6 53 57	14°46'29	26°28	19°21	18°52	1° 4	6°34	5°31	12°45	0°17	12°26	21°R43	20°17	25°22	n.a.	S 8
M 9	6 57 54	15°47'13	11♊ 9	20°28	20° 5	1°40	6°27	5°34	12°44	0°16	12°27	21°42	20°14	25°29	n.a.	M 9
T 10	7 1 50	16°47'56	25°55	21°37	21°18	2°17	6°19	5°37	12°43	0°15	12°27	21°38	20°11	25°36	n.a.	T 10
W11	7 5 47	17°48'38	10♋41	22°48	22°31	2°53	6°11	5°41	12°43	0°14	12°27	21°31	20° 8	25°42	n.a.	W11
T 12	7 9 44	18°49'17	25°17	24° 1	23°44	3°30	6° 3	5°44	12°42	0°13	12°27	21°22	20° 5	25°49	n.a.	T 12
F 13	7 13 40	19°49'55	9♌37	25°15	24°56	4° 6	5°56	5°48	12°41	0°12	12°28	21°13	20° 2	25°56	n.a.	F 13
S 14	7 17 37	20°50'32	23°35	26°32	26° 9	4°42	5°48	5°52	12°41	0°11	12°28	21° 3	19°58	26° 2	n.a.	S 14
S 15	7 21 33	21°51'07	7♍ 7	27°49	27°22	5°19	5°41	5°55	12°40	0°10	12°28	20°54	19°55	26° 9	n.a.	S 15
M16	7 25 30	22°51'41	20°13	29° 8	28°34	5°55	5°33	5°59	12°40	0° 9	12°28	20°47	19°52	26°16	n.a.	M16
T 17	7 29 26	23°52'13	2♎54	0♉29	29°47	6°31	5°26	6° 3	12°40	0° 8	12°28	20°42	19°49	26°22	n.a.	T 17
W18	7 33 23	24°52'44	15°13	1°50	0♓59	7° 7	5°19	6° 7	12°39	0° 7	12°R28	20°40	19°46	26°29	n.a.	W18
T 19	7 37 19	25°53'13	27°17	3°13	2°11	7°43	5°12	6°11	12°39	0° 7	12°28	20°D39	19°43	26°36	n.a.	T 19
F 20	7 41 16	26°53'41	9♏10	4°38	3°24	8°19	5° 5	6°16	12°39	0° 6	12°28	20°40	19°39	26°42	n.a.	F 20
S 21	7 45 13	27°54'08	20°57	6° 3	4°36	8°55	4°58	6°20	12°39	0° 5	12°28	20°R40	19°36	26°49	n.a.	S 21
S 22	7 49 9	28°54'33	2♐44	7°30	5°48	9°31	4°51	6°25	12°38	0° 4	12°28	20°39	19°33	26°56	n.a.	S 22
M23	7 53 6	29°54'56	14°36	8°57	7° 0	10° 7	4°45	6°29	12°38	0° 4	12°28	20°37	19°30	27° 2	n.a.	M23
T 24	7 57 2	0♒55'18	26°36	10°26	8°12	10°43	4°38	6°34	12°D38	0° 3	12°28	20°31	19°27	27° 9	n.a.	T 24
W25	8 0 59	1°55'38	8♉49	11°56	9°23	11°18	4°32	6°38	12°38	0° 2	12°27	20°23	19°23	27°15	n.a.	W25
T 26	8 4 55	2°55'57	21°16	13°27	10°35	11°54	4°25	6°43	12°39	0° 2	12°27	20°12	19°20	27°22	n.a.	T 26
F 27	8 8 52	3°56'13	3♒57	14°58	11°47	12°30	4°19	6°48	12°39	0° 1	12°27	20° 0	19°17	27°29	n.a.	F 27
S 28	8 12 48	4°56'28	16°54	16°31	12°58	13° 5	4°13	6°53	12°39	0° 1	12°26	19°47	19°14	27°35	n.a.	S 28
S 29	8 16 45	5°56'40	0♓ 3	18° 5	14°10	13°41	4° 7	6°58	12°39	0° 0	12°26	19°34	19°11	27°42	n.a.	S 29
M30	8 20 42	6°56'51	13°25	19°41	15°21	14°16	4° 1	7° 3	12°39	29♉59	12°26	19°23	19° 8	27°49	n.a.	M30
T 31	8 24 38	7♒56'59	26♓57	21♉17	16♓32	14♏51	3♋56	7♈ 8	12♉40	29♉59	12♎25	19♏15	19♏ 4	27♏55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s30	10s 1	5n 8	20s41	1n56	19s23	1s35	9s19	1n13	24n 6	0n36	0s15	2s33	15n39	0s15	19n 4	1s27	9n57	16n13	18s28	18s 8	18s48			n.a.
M 2	23 26	5 43	5 2	20 57	1 46	19 2	1 34	9 33	1 13	24 6	0 36	0 14	2 33	15 39	0 15	19 4	1 27	9 57	16 13	18 26	18 7	18 49			n.a.
T 3	23 22	1 5	4 40	21 13	1 36	18 39	1 33	9 46	1 12	24 7	0 36	0 12	2 32	15 38	0 14	19 3	1 27	9 58	16 14	18 25	18 6	18 50			n.a.
W 4	23 17	3n42	4 2	21 29	1 26	18 17	1 31	10 0	1 12	24 8	0 36	0 11	2 32	15 38	0 14	19 3	1 27	9 58	16 14	18 24	18 5	18 50			n.a.
T 5	23 12	8 24	3 10	21 45	1 16	17 54	1 30	10 13	1 12	24 8	0 36	0 10	2 32	15 38	0 14	19 3	1 27	9 58	16 15	18 24	18 4	18 51			n.a.
F 6	23 6	12 44	2 6	22 1	1 6	17 30	1 28	10 26	1 11	24 9	0 36	0 8	2 31	15 38	0 14	19 3	1 27	9 58	16 15	18 24	18 3	18 52			n.a.
S 7	23 0	16 26	0 52	22 16	0 56	17 6	1 26	10 40	1 11	24 9	0 36	0 7	2 31	15 37	0 14	19 2	1 27	9 59	16 16	18 25	18 3	18 53			n.a.
S 8	22 54	19 11	0s26	22 31	0 46	16 41	1 25	10 53	1 11	24 10	0 36	0 5	2 31	15 37	0 14	19 2	1 27	9 59	16 16	18 25	18 2	18 53			n.a.
M 9	22 47	20 41	1 43	22 46	0 37	16 16	1 23	11 6	1 10	24 10	0 37	0 4	2 31	15 37	0 14	19 2	1 27	9 59	16 17	18 24	18 1	18 54			n.a.
T 10	22 39	20 47	2 53	23 0	0 27	15 51	1 21	11 19	1 10	24 11	0 37	0 2	2 30	15 37	0 14	19 2	1 27	10 0	16 17	18 23	18 0	18 55			n.a.
W11	22 31	19 26	3 52	23 13	0 18	15 25	1 19	11 32	1 9	24 11	0 37	0 1	2 30	15 37	0 14	19 2	1 27	10 0	16 18	18 21	17 59	18 56			n.a.
T 12	22 23	16 50	4 34	23 26	0 9	14 59	1 17	11 45	1 9	24 12	0 37	0n 1	2 30	15 36	0 14	19 2	1 27	10 1	16 19	18 19	17 58	18 56			n.a.
F 13	22 14	13 15	4 59	23 38	0 0	14 32	1 15	11 58	1 9	24 12	0 37	0 3	2 29	15 36	0 14	19 1	1 27	10 1	16 19	18 16	17 57	18 57			n.a.
S 14	22 5	9 2	5 5	23 49	0s 8	14 5	1 13	12 10	1 8	24 13	0 37	0 5	2 29	15 36	0 14	19 1	1 26	10 1	16 20	18 14	17 57	18 58			n.a.
S 15	21 56	4 28	4 53	23 59	0 16	13 38	1 10	12 23	1 8	24 13	0 37	0 6	2 29	15 36	0 14	19 1	1 26	10 2	16 20	18 12	17 56	18 59			n.a.
M16	21 46	0s 9	4 26	24 8	0 24	13 10	1 8	12 36	1 7	24 13	0 37	0 8	2 29	15 36	0 14	19 1	1 26	10 2	16 21	18 10	17 55	18 59			n.a.
T 17	21 35	4 37	3 47	24 15	0 32	12 42	1 6	12 48	1 7	24 14	0 37	0 10	2 28	15 36	0 14	19 1	1 26	10 3	16 21	18 8	17 54	19 0			n.a.
W18	21 24	8 47	2 58	24 22	0 40	12 14	1 3	13 0	1 6	24 14	0 37	0 12	2 28	15 36	0 14	19 1	1 26	10 3	16 22	18 8	17 53	19 1			n.a.
T 19	21 13	12 31	2 2	24 28	0 47	11 45	1 0	13 13	1 6	24 15	0 38	0 14	2 28	15 36	0 14	19 1	1 26	10 4	16 22	18 8	17 52	19 1			n.a.
F 20	21 2	15 41	1 1	24 32	0 54	11 17	0 58	13 25	1 5	24 15	0 38	0 16	2 28	15 36	0 14	19 0	1 26	10 4	16 23	18 8	17 51	19 2			n.a.
S 21	20 50	18 11	0n 1	24 36	1 1	10 47	0 55	13 37	1 5	24 15	0 38	0 18	2 27	15 35	0 14	19 0	1 26	10 5	16 23	18 8	17 50	19 3			n.a.
S 22	20 37	19 54	1 4	24 38	1 7	10 18	0 52	13 49	1 4	24 16	0 38	0 20	2 27	15 35	0 14	19 0	1 26	10 5	16 24	18 8	17 50	19 3			n.a.
M23	20 24	20 46	2 4	24 38	1 13	9 49	0 49	14 1	1 4	24 16	0 38	0 22	2 27	15 35	0 14	19 0	1 26	10 6	16 24	18 7	17 49	19 4			n.a.
T 24	20 11	20 42	2 59	24 37	1 19	9 19	0 46	14 13	1 3	24 16	0 38	0 24	2 26	15 35	0 14	19 0	1 26	10 6	16 25	18 5	17 48	19 5			n.a.
W25	19 58	19 39	3 47	24 35	1 25	8 49	0 43	14 24	1 3	24 17	0 38	0 26	2 26	15 36	0 14	19 0	1 26	10 7	16 25	18 3	17 47	19 5			n.a.
T 26	19 44	17 40	4 24	24 32	1 30	8 18	0 40	14 36	1 2	24 17	0 38	0 28	2 26	15 36	0 14	19 0	1 26	10 7	16 26	18 0	17 46	19 6			n.a.
F 27	19 30	14 48	4 50	24 27	1 35	7 48	0 37	14 48	1 1	24 17	0 38	0 30	2 26	15 36	0 14	19 0	1 26	10 8	16 26	17 57	17 45	19 7			n.a.
S 28	19 15	11 11	5 1	24 20	1 40	7 17	0 34	14 59	1 1	24 17	0 38	0 32	2 25	15 36	0 14	19 0	1 26	10 8	16 27	17 53	17 44	19 8			n.a.
S 29	19 0	6 58	4 56	24 12	1 44	6 47	0 31	15 10	1 0	24 18	0 38	0 35	2 25	15 36	0 14	19 0	1 26	10 9	16 27	17 50	17 44	19 8			n.a.
M30	18 45	2 22	4 35	24 2	1 48	6 16	0 28	15 22	1 0	24 18	0 38	0 37	2 25	15 36	0 14	19 0	1 26	10 10	16 28	17 47	17 43	19 9			n.a.
T 31	18s30	2n25	3n59	23s51	1s51	5s45	0s24	15s33	0n59	24n18	0n38	0n39	2s25	15n36	0s14	19n 0	1s26	10n10	16n28	17s45	17s42	19s 9			n.a.

Julian Day Number = 1633763.5, Delta T = 03h40m23s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°23'00, Lahiri = - 7°15'59 Julian Calendar 1 Jan. 240 BCE == Greg. Calendar 28 Dec. 241 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

FEBRUARY 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 28 35	8♒57'05	10♈38	22♉54	17♓43	15♏27	3°R50	7♈14	12♉40	29°R59	12°R25	19°R10	19♏ 1	28♏ 2	n.a.	W 1
T 2	8 32 31	9°57'09	24°27	24°32	18°54	16° 2	3♋45	7°19	12°41	29♉58	12♎24	19♏ 7	18°58	28° 9	n.a.	T 2
F 3	8 36 28	10°57'11	8♉24	26°12	20° 5	16°37	3°40	7°24	12°41	29°58	12°24	19°D 7	18°55	28°15	n.a.	F 3
S 4	8 40 24	11°57'10	22°29	27°52	21°16	17°12	3°35	7°30	12°42	29°58	12°23	19°R 7	18°52	28°22	n.a.	S 4
S 5	8 44 21	12°57'07	6♊40	29°33	22°27	17°47	3°30	7°35	12°42	29°58	12°23	19° 6	18°48	28°29	n.a.	S 5
M 6	8 48 17	13°57'02	20°58	1♒16	23°37	18°22	3°26	7°41	12°43	29°57	12°22	19° 3	18°45	28°35	n.a.	M 6
T 7	8 52 14	14°56'55	5♋18	3° 0	24°48	18°57	3°21	7°47	12°44	29°57	12°21	18°58	18°42	28°42	n.a.	T 7
W 8	8 56 11	15°56'45	19°37	4°45	25°58	19°32	3°17	7°52	12°45	29°57	12°21	18°50	18°39	28°49	n.a.	W 8
T 9	9 0 7	16°56'33	3♌50	6°31	27° 8	20° 6	3°13	7°58	12°45	29°57	12°20	18°39	18°36	28°55	n.a.	T 9
F 10	9 4 4	17°56'18	17°50	8°18	28°18	20°41	3° 9	8° 4	12°46	29°57	12°19	18°26	18°33	29° 2	n.a.	F 10
S 11	9 8 0	18°56'02	1♍35	10° 7	29°28	21°15	3° 5	8°10	12°47	29°57	12°18	18°14	18°29	29° 8	n.a.	S 11
S 12	9 11 57	19°55'44	14°58	11°56	0♈38	21°50	3° 1	8°16	12°48	29°57	12°18	18° 2	18°26	29°15	n.a.	S 12
M13	9 15 53	20°55'23	28° 0	13°47	1°47	22°24	2°58	8°22	12°49	29°D57	12°17	17°52	18°23	29°22	n.a.	M13
T 14	9 19 50	21°55'01	10♎41	15°39	2°57	22°58	2°55	8°28	12°50	29°57	12°16	17°45	18°20	29°28	n.a.	T 14
W15	9 23 46	22°54'36	23° 1	17°32	4° 6	23°33	2°52	8°35	12°52	29°57	12°15	17°41	18°17	29°35	n.a.	W15
T 16	9 27 43	23°54'10	5♏ 7	19°26	5°15	24° 7	2°49	8°41	12°53	29°57	12°14	17°39	18°14	29°42	n.a.	T 16
F 17	9 31 40	24°53'42	17° 1	21°22	6°24	24°41	2°46	8°47	12°54	29°57	12°13	17°D39	18°10	29°48	n.a.	F 17
S 18	9 35 36	25°53'12	28°49	23°19	7°33	25°15	2°44	8°54	12°55	29°57	12°12	17°R39	18° 7	29°55	n.a.	S 18
S 19	9 39 33	26°52'41	10♐38	25°16	8°42	25°49	2°41	9° 0	12°57	29°57	12°11	17°38	18° 4	0♐ 2	n.a.	S 19
M20	9 43 29	27°52'07	22°32	27°15	9°50	26°22	2°39	9° 7	12°58	29°57	12°10	17°36	18° 1	0° 8	n.a.	M20
T 21	9 47 26	28°51'32	4♑37	29°15	10°59	26°56	2°37	9°13	12°59	29°58	12° 9	17°31	17°58	0°15	n.a.	T 21
W22	9 51 22	29°50'54	16°56	1♓15	12° 7	27°29	2°36	9°20	13° 1	29°58	12° 8	17°24	17°54	0°22	n.a.	W22
T 23	9 55 19	0♓50'15	29°32	3°17	13°15	28° 3	2°34	9°27	13° 3	29°58	12° 7	17°14	17°51	0°28	n.a.	T 23
F 24	9 59 15	1°49'33	12♒28	5°18	14°23	28°36	2°33	9°33	13° 4	29°59	12° 5	17° 2	17°48	0°35	n.a.	F 24
S 25	10 3 12	2°48'50	25°43	7°21	15°31	29° 9	2°31	9°40	13° 6	29°59	12° 4	16°50	17°45	0°42	n.a.	S 25
S 26	10 7 8	3°48'04	9♓15	9°23	16°38	29°42	2°30	9°47	13° 7	29°59	12° 3	16°38	17°42	0°48	n.a.	S 26
M27	10 11 5	4°47'16	23° 2	11°26	17°45	0♐15	2°30	9°54	13° 9	0♊ 0	12° 2	16°27	17°39	0°55	n.a.	M27
T 28	10 15 2	5♓46'26	6♈59	13♓28	18♈53	0♐48	2♋29	10♈ 1	13♉11	0♊ 1	12♎ 1	16♏20	17♏35	1♐ 2	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s14	7n 9	3n 9	23s38	1s55	5s14	0s21	15s44	0n58	24n18	0n38	0n41	2s25	15n36	0s14	19n 0	1s26	10n11	16n29	17s43	17s41	19s10		n.a.
T 2	17 58	11 33	2 7	23 24	1 57	4 42	0 17	15 55	0 58	24 19	0 39	0 44	2 24	15 36	0 14	19 0	1 25	10 11	16 29	17 43	17 40	19 11		n.a.
F 3	17 41	15 22	0 56	23 7	2 0	4 11	0 14	16 5	0 57	24 19	0 39	0 46	2 24	15 37	0 14	19 0	1 25	10 12	16 30	17 42	17 39	19 11		n.a.
S 4	17 25	18 19	0s18	22 49	2 2	3 39	0 10	16 16	0 56	24 19	0 39	0 49	2 24	15 37	0 14	19 0	1 25	10 13	16 30	17 42	17 38	19 12		n.a.
S 5	17 8	20 11	1 32	22 30	2 4	3 8	0 7	16 27	0 56	24 19	0 39	0 51	2 24	15 37	0 14	19 0	1 25	10 13	16 30	17 42	17 37	19 13		n.a.
M 6	16 50	20 45	2 40	22 8	2 5	2 36	0 3	16 37	0 55	24 19	0 39	0 53	2 23	15 37	0 14	19 0	1 25	10 14	16 31	17 41	17 36	19 13		n.a.
T 7	16 33	19 59	3 38	21 45	2 6	2 5	0n 1	16 48	0 54	24 19	0 39	0 56	2 23	15 37	0 14	19 0	1 25	10 15	16 31	17 40	17 36	19 14		n.a.
W 8	16 15	17 56	4 23	21 20	2 6	1 33	0 5	16 58	0 53	24 20	0 39	0 58	2 23	15 38	0 14	19 0	1 25	10 15	16 32	17 38	17 35	19 15		n.a.
T 9	15 57	14 49	4 51	20 54	2 6	1 1	0 8	17 8	0 53	24 20	0 39	1 1	2 23	15 38	0 14	19 0	1 25	10 16	16 32	17 35	17 34	19 15		n.a.
F 10	15 38	10 54	5 0	20 25	2 5	0 30	0 12	17 18	0 52	24 20	0 39	1 3	2 23	15 38	0 14	19 0	1 25	10 17	16 33	17 31	17 33	19 16		n.a.
S 11	15 19	6 29	4 52	19 55	2 4	0n 2	0 16	17 28	0 51	24 20	0 39	1 6	2 22	15 39	0 14	19 0	1 25	10 17	16 33	17 28	17 32	19 16		n.a.
S 12	15 1	1 52	4 28	19 23	2 3	0 34	0 20	17 38	0 50	24 20	0 39	1 9	2 22	15 39	0 14	19 0	1 25	10 18	16 34	17 24	17 31	19 17		n.a.
M13	14 41	2s43	3 51	18 48	2 1	1 5	0 24	17 48	0 49	24 20	0 39	1 11	2 22	15 39	0 14	19 0	1 25	10 19	16 34	17 22	17 30	19 18		n.a.
T 14	14 22	7 4	3 2	18 13	1 58	1 37	0 28	17 57	0 48	24 20	0 39	1 14	2 22	15 40	0 14	19 0	1 25	10 20	16 34	17 20	17 29	19 18		n.a.
W15	14 2	11 0	2 7	17 35	1 55	2 8	0 32	18 7	0 48	24 20	0 39	1 17	2 22	15 40	0 14	19 0	1 25	10 20	16 35	17 18	17 28	19 19		n.a.
T 16	13 43	14 25	1 6	16 55	1 51	2 40	0 36	18 16	0 47	24 21	0 39	1 19	2 21	15 40	0 14	19 0	1 25	10 21	16 35	17 18	17 28	19 19		n.a.
F 17	13 23	17 10	0 3	16 14	1 47	3 11	0 40	18 25	0 46	24 21	0 39	1 22	2 21	15 41	0 14	19 0	1 25	10 22	16 36	17 18	17 27	19 20		n.a.
S 18	13 2	19 10	0n59	15 31	1 42	3 43	0 45	18 35	0 45	24 21	0 39	1 25	2 21	15 41	0 14	19 0	1 25	10 22	16 36	17 18	17 26	19 21		n.a.
S 19	12 42	20 21	1 59	14 46	1 37	4 14	0 49	18 44	0 44	24 21	0 39	1 27	2 21	15 42	0 13	19 0	1 25	10 23	16 36	17 18	17 25	19 21		n.a.
M20	12 21	20 37	2 54	14 0	1 31	4 45	0 53	18 53	0 43	24 21	0 39	1 30	2 21	15 42	0 13	19 0	1 24	10 24	16 37	17 17	17 24	19 22		n.a.
T 21	12 0	19 57	3 42	13 12	1 25	5 16	0 57	19 1	0 42	24 21	0 39	1 33	2 20	15 43	0 13	19 0	1 24	10 25	16 37	17 16	17 23	19 22		n.a.
W22	11 39	18 20	4 21	12 22	1 18	5 47	1 1	19 10	0 41	24 21	0 39	1 36	2 20	15 43	0 13	19 1	1 24	10 25	16 37	17 13	17 22	19 23		n.a.
T 23	11 18	15 48	4 47	11 31	1 10	6 18	1 5	19 19	0 40	24 21	0 39	1 38	2 20	15 43	0 13	19 1	1 24	10 26	16 38	17 11	17 21	19 23		n.a.
F 24	10 57	12 27	5 1	10 38	1 2	6 48	1 10	19 27	0 39	24 21	0 39	1 41	2 20	15 44	0 13	19 1	1 24	10 27	16 38	17 7	17 20	19 24		n.a.
S 25	10 35	8 26	4 58	9 44	0 53	7 19	1 14	19 36	0 38	24 21	0 39	1 44	2 20	15 45	0 13	19 1	1 24	10 28	16 39	17 4	17 20	19 24		n.a.
S 26	10 14	3 54	4 39	8 49	0 44	7 49	1 18	19 44	0 37	24 21	0 39	1 47	2 20	15 45	0 13	19 1	1 24	10 28	16 39	17 0	17 19	19 25		n.a.
M27	9 52	0n55	4 3	7 53	0 34	8 19	1 22	19 52	0 35	24 21	0 39	1 50	2 20	15 46	0 13	19 1	1 24	10 29	16 39	16 57	17 18	19 26		n.a.
T 28	9s30	5n45	3n12	6s57	0s24	8n49	1n27	20s 0	0n34	24n21	0n39	1n53	2s19	15n46	0s13	19n 1	1s24	10n30	16n39	16s55	17s17	19s26		n.a.

Julian Day Number = 1633794.5, Delta T = 03h40m22s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'55, Lahiri = - 7°15'55 Julian Calendar 1 Feb. 240 BCE == Greg. Calendar 28 Jan. 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

MARCH 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 18 58	6♓45'33	21♈ 3	15♓30	20♈ 0	1♐20	2°R29	10♈ 8	13♉13	0♊ 1	11°R59	16°R15	17♏32	1♐ 8	n.a.	W 1
T 2	10 22 55	7°44'39	5♉11	17°31	21° 6	1°53	2♋28	10°15	13°15	0° 2	11♎58	16♏12	17°29	1°15	n.a.	T 2
F 3	10 26 51	8°43'41	19°20	19°31	22°13	2°25	2°D28	10°22	13°16	0° 2	11°57	16°D12	17°26	1°21	n.a.	F 3
S 4	10 30 48	9°42'42	3♊28	21°29	23°19	2°58	2°29	10°29	13°18	0° 3	11°55	16°R12	17°23	1°28	n.a.	S 4
S 5	10 34 44	10°41'40	17°35	23°25	24°25	3°30	2°29	10°36	13°20	0° 4	11°54	16°12	17°20	1°35	n.a.	S 5
M 6	10 38 41	11°40'36	1♋38	25°19	25°31	4° 2	2°30	10°43	13°22	0° 4	11°53	16°11	17°16	1°41	n.a.	M 6
T 7	10 42 37	12°39'29	15°38	27°10	26°37	4°33	2°30	10°50	13°25	0° 5	11°51	16° 7	17°13	1°48	n.a.	T 7
W 8	10 46 34	13°38'20	29°31	28°58	27°42	5° 5	2°31	10°58	13°27	0° 6	11°50	16° 0	17°10	1°55	n.a.	W 8
T 9	10 50 31	14°37'08	13♌17	0♈43	28°47	5°37	2°32	11° 5	13°29	0° 7	11°48	15°52	17° 7	2° 1	n.a.	T 9
F 10	10 54 27	15°35'54	26°52	2°24	29°52	6° 8	2°34	11°12	13°31	0° 7	11°47	15°42	17° 4	2° 8	n.a.	F 10
S 11	10 58 24	16°34'38	10♍13	4° 1	0♉57	6°39	2°35	11°20	13°33	0° 8	11°45	15°31	17° 0	2°15	n.a.	S 11
S 12	11 2 20	17°33'20	23°18	5°34	2° 1	7°10	2°37	11°27	13°35	0° 9	11°44	15°22	16°57	2°21	n.a.	S 12
M13	11 6 17	18°31'59	6♎ 6	7° 2	3° 5	7°41	2°39	11°34	13°38	0°10	11°42	15°14	16°54	2°28	n.a.	M13
T 14	11 10 13	19°30'37	18°38	8°25	4° 9	8°12	2°41	11°42	13°40	0°11	11°41	15° 8	16°51	2°35	n.a.	T 14
W15	11 14 10	20°29'13	0♏54	9°44	5°13	8°42	2°43	11°49	13°43	0°12	11°39	15° 5	16°48	2°41	n.a.	W15
T 16	11 18 6	21°27'47	12°57	10°57	6°16	9°13	2°45	11°57	13°45	0°13	11°38	15°D 4	16°45	2°48	n.a.	T 16
F 17	11 22 3	22°26'19	24°51	12° 5	7°19	9°43	2°48	12° 4	13°47	0°14	11°36	15° 4	16°41	2°55	n.a.	F 17
S 18	11 25 59	23°24'50	6♐40	13° 7	8°22	10°13	2°50	12°12	13°50	0°15	11°35	15° 5	16°38	3° 1	n.a.	S 18
S 19	11 29 56	24°23'18	18°30	14° 4	9°24	10°43	2°53	12°19	13°52	0°16	11°33	15° 6	16°35	3° 8	n.a.	S 19
M20	11 33 53	25°21'45	0♑24	14°55	10°26	11°12	2°57	12°27	13°55	0°17	11°32	15°R 7	16°32	3°14	n.a.	M20
T 21	11 37 49	26°20'11	12°30	15°41	11°28	11°42	3° 0	12°35	13°58	0°19	11°30	15° 5	16°29	3°21	n.a.	T 21
W22	11 41 46	27°18'34	24°51	16°20	12°29	12°11	3° 3	12°42	14° 0	0°20	11°28	15° 2	16°25	3°28	n.a.	W22
T 23	11 45 42	28°16'56	7♒31	16°54	13°30	12°40	3° 7	12°50	14° 3	0°21	11°27	14°56	16°22	3°34	n.a.	T 23
F 24	11 49 39	29°15'16	20°34	17°22	14°31	13° 9	3°11	12°58	14° 6	0°22	11°25	14°50	16°19	3°41	n.a.	F 24
S 25	11 53 35	0♈13'35	3♓59	17°45	15°31	13°37	3°15	13° 5	14° 8	0°24	11°23	14°42	16°16	3°48	n.a.	S 25
S 26	11 57 32	1°11'51	17°47	18° 1	16°31	14° 5	3°19	13°13	14°11	0°25	11°22	14°35	16°13	3°54	n.a.	S 26
M27	12 1 28	2°10'06	1♈54	18°12	17°30	14°33	3°23	13°21	14°14	0°26	11°20	14°29	16°10	4° 1	n.a.	M27
T 28	12 5 25	3° 8'19	16°16	18°R17	18°29	15° 1	3°27	13°28	14°17	0°28	11°18	14°24	16° 6	4° 8	n.a.	T 28
W29	12 9 21	4° 6'30	0♉46	18°16	19°28	15°29	3°32	13°36	14°20	0°29	11°17	14°22	16° 3	4°14	n.a.	W29
T 30	12 13 18	5° 4'39	15°19	18°11	20°26	15°56	3°37	13°44	14°23	0°30	11°15	14°D21	16° 0	4°21	n.a.	T 30
F 31	12 17 15	6♈ 2'46	29♉50	18♈ 0	21♉24	16♐23	3♋42	13♈52	14♉25	0♊32	11♎13	14♏21	15♏57	4♐28	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	9s 8	10n18	2n10	5s59	0s13	9n18	1n31	20s 8	0n33	24n21	0n39	1n56	2s19	15n47	0s13	19n 2	1s24	10n31	16n40	16s54	17s16	19s27			n.a.
T 2	8 46	14 19	0 58	5 2	0 2	9 48	1 35	20 16	0 32	24 21	0 39	1 59	2 19	15 47	0 13	19 2	1 24	10 32	16 40	16 53	17 15	19 27			n.a.
F 3	8 24	17 30	0s17	4 4	0n 9	10 17	1 39	20 23	0 31	24 21	0 39	2 1	2 19	15 48	0 13	19 2	1 24	10 32	16 40	16 53	17 14	19 28			n.a.
S 4	8 1	19 37	1 31	3 6	0 21	10 46	1 44	20 31	0 29	24 21	0 39	2 4	2 19	15 48	0 13	19 2	1 24	10 33	16 41	16 53	17 13	19 28			n.a.
S 5	7 39	20 30	2 39	2 9	0 32	11 15	1 48	20 39	0 28	24 21	0 39	2 7	2 19	15 49	0 13	19 2	1 24	10 34	16 41	16 53	17 12	19 29			n.a.
M 6	7 16	20 5	3 37	1 12	0 44	11 43	1 52	20 46	0 27	24 21	0 39	2 10	2 19	15 50	0 13	19 3	1 24	10 35	16 41	16 52	17 11	19 29			n.a.
T 7	6 53	18 27	4 23	0 17	0 56	12 11	1 56	20 53	0 25	24 21	0 39	2 13	2 18	15 50	0 13	19 3	1 24	10 35	16 41	16 51	17 10	19 30			n.a.
W 8	6 30	15 44	4 52	0n38	1 8	12 39	2 0	21 0	0 24	24 21	0 39	2 16	2 18	15 51	0 13	19 3	1 24	10 36	16 42	16 49	17 10	19 30			n.a.
T 9	6 8	12 11	5 4	1 30	1 20	13 7	2 5	21 7	0 23	24 21	0 39	2 19	2 18	15 52	0 13	19 3	1 24	10 37	16 42	16 47	17 9	19 31			n.a.
F 10	5 45	8 2	4 58	2 22	1 31	13 34	2 9	21 14	0 21	24 21	0 39	2 22	2 18	15 52	0 13	19 3	1 23	10 38	16 42	16 44	17 8	19 31			n.a.
S 11	5 22	3 34	4 37	3 11	1 43	14 1	2 13	21 21	0 20	24 21	0 39	2 25	2 18	15 53	0 13	19 4	1 23	10 38	16 42	16 41	17 7	19 32			n.a.
S 12	4 58	0s59	4 1	3 58	1 53	14 27	2 17	21 28	0 18	24 21	0 39	2 28	2 18	15 54	0 13	19 4	1 23	10 39	16 43	16 38	17 6	19 32			n.a.
M13	4 35	5 24	3 13	4 43	2 4	14 54	2 21	21 34	0 17	24 21	0 39	2 31	2 18	15 55	0 13	19 4	1 23	10 40	16 43	16 36	17 5	19 33			n.a.
T 14	4 12	9 30	2 17	5 25	2 13	15 19	2 25	21 41	0 15	24 21	0 39	2 34	2 18	15 55	0 13	19 4	1 23	10 41	16 43	16 34	17 4	19 33			n.a.
W15	3 49	13 6	1 15	6 5	2 23	15 45	2 29	21 47	0 14	24 21	0 39	2 37	2 17	15 56	0 13	19 5	1 23	10 42	16 43	16 33	17 3	19 34			n.a.
T 16	3 25	16 5	0 11	6 42	2 31	16 10	2 33	21 54	0 12	24 21	0 39	2 40	2 17	15 57	0 13	19 5	1 23	10 42	16 43	16 33	17 2	19 34			n.a.
F 17	3 2	18 21	0n53	7 16	2 39	16 35	2 37	22 0	0 11	24 21	0 39	2 43	2 17	15 58	0 13	19 5	1 23	10 43	16 44	16 33	17 1	19 34			n.a.
S 18	2 39	19 49	1 54	7 47	2 46	16 59	2 41	22 6	0 9	24 21	0 39	2 46	2 17	15 58	0 13	19 6	1 23	10 44	16 44	16 33	17 0	19 35			n.a.
S 19	2 15	20 23	2 50	8 15	2 52	17 23	2 44	22 12	0 7	24 21	0 39	2 50	2 17	15 59	0 13	19 6	1 23	10 45	16 44	16 34	16 59	19 35			n.a.
M20	1 52	20 3	3 40	8 39	2 57	17 47	2 48	22 18	0 6	24 20	0 39	2 53	2 17	16 0	0 13	19 6	1 23	10 45	16 44	16 34	16 59	19 36			n.a.
T 21	1 28	18 48	4 20	9 1	3 1	18 10	2 52	22 23	0 4	24 20	0 39	2 56	2 17	16 1	0 13	19 6	1 23	10 46	16 44	16 33	16 58	19 36			n.a.
W22	1 5	16 39	4 50	9 19	3 4	18 33	2 56	22 29	0 2	24 20	0 39	2 59	2 17	16 1	0 13	19 7	1 23	10 47	16 44	16 32	16 57	19 37			n.a.
T 23	0 41	13 41	5 6	9 34	3 6	18 55	2 59	22 35	0 0	24 20	0 39	3 2	2 17	16 2	0 13	19 7	1 23	10 47	16 44	16 31	16 56	19 37			n.a.
F 24	0 18	9 57	5 7	9 46	3 6	19 17	3 3	22 40	0s 2	24 20	0 39	3 5	2 17	16 3	0 13	19 7	1 23	10 48	16 44	16 29	16 55	19 38			n.a.
S 25	0n 5	5 38	4 52	9 54	3 6	19 38	3 6	22 46	0 3	24 20	0 39	3 8	2 17	16 4	0 13	19 8	1 23	10 49	16 44	16 26	16 54	19 38			n.a.
S 26	0 29	0 55	4 19	9 59	3 4	19 59	3 9	22 51	0 5	24 20	0 39	3 11	2 17	16 5	0 13	19 8	1 23	10 50	16 45	16 24	16 53	19 38			n.a.
M27	0 52	3n58	3 30	10 0	3 1	20 20	3 13	22 56	0 7	24 20	0 39	3 14	2 16	16 6	0 13	19 8	1 23	10 50	16 45	16 22	16 52	19 39			n.a.
T 28	1 16	8 43	2 27	9 58	2 57	20 40	3 16	23 1	0 9	24 20	0 39	3 17	2 16	16 7	0 13	19 9	1 23	10 51	16 45	16 21	16 51	19 39			n.a.
W29	1 39	13 1	1 13	9 53	2 52	20 59	3 19	23 7	0 11	24 20	0 39	3 20	2 16	16 7	0 13	19 9	1 22	10 52	16 45	16 20	16 50	19 40			n.a.
T 30	2 2	16 32	0s 5	9 45	2 45	21 18	3 22	23 12	0 13	24 19	0 39	3 23	2 16	16 8	0 13	19 9	1 22	10 52	16 45	16 20	16 49	19 40			n.a.
F 31	2n26	19n 0	1s23	9n33	2n37	21n37	3n25	23s17	0s16	24n19	0n39	3n27	2s16	16n 9	0s13	19n10	1s22	10n53	16n45	16s20	16s48	19s41			n.a.

Julian Day Number = 1633822.5, Delta T = 03h40m21s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'52, Lahiri = - 7°15'51 Julian Calendar 1 March 240 BCE == Greg. Calendar 25 Feb. 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

APRIL 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 21 11	7♈ 0'51	14♊14	17°R44	22♉22	16♐50	3♋47	14♈ 0	14♉28	0♊33	11°R12	14♏23	15♏54	4♐34	n.a.	S 1
S 2	12 25 8	7°58'54	28°28	17♈24	23°18	17°16	3°52	14° 7	14°31	0°35	11♎10	14°24	15°51	4°41	n.a.	S 2
M 3	12 29 4	8°56'55	12♋30	16°59	24°15	17°42	3°58	14°15	14°34	0°36	11° 8	14°R24	15°47	4°48	n.a.	M 3
T 4	12 33 1	9°54'54	26°20	16°32	25°11	18° 8	4° 3	14°23	14°37	0°38	11° 7	14°23	15°44	4°54	n.a.	T 4
W 5	12 36 57	10°52'51	9♌58	16° 1	26° 6	18°34	4° 9	14°31	14°41	0°39	11° 5	14°21	15°41	5° 1	n.a.	W 5
T 6	12 40 54	11°50'46	23°22	15°28	27° 1	18°59	4°15	14°39	14°44	0°41	11° 3	14°17	15°38	5° 8	n.a.	T 6
F 7	12 44 50	12°48'39	6♍32	14°52	27°55	19°24	4°21	14°46	14°47	0°43	11° 2	14°12	15°35	5°14	n.a.	F 7
S 8	12 48 47	13°46'30	19°29	14°16	28°48	19°48	4°27	14°54	14°50	0°44	11° 0	14° 7	15°31	5°21	n.a.	S 8
S 9	12 52 44	14°44'19	2♎13	13°39	29°41	20°13	4°33	15° 2	14°53	0°46	10°58	14° 2	15°28	5°28	n.a.	S 9
M10	12 56 40	15°42'07	14°44	13° 2	0♊34	20°37	4°40	15°10	14°56	0°48	10°57	13°58	15°25	5°34	n.a.	M10
T 11	13 0 37	16°39'54	27° 2	12°26	1°25	21° 0	4°46	15°18	14°59	0°49	10°55	13°56	15°22	5°41	n.a.	T 11
W12	13 4 33	17°37'38	9♏ 9	11°52	2°16	21°24	4°53	15°26	15° 3	0°51	10°53	13°D55	15°19	5°48	n.a.	W12
T 13	13 8 30	18°35'22	21° 7	11°19	3° 7	21°46	5° 0	15°33	15° 6	0°53	10°52	13°55	15°16	5°54	n.a.	T 13
F 14	13 12 26	19°33'04	2♐58	10°49	3°56	22° 9	5° 7	15°41	15° 9	0°54	10°50	13°56	15°12	6° 1	n.a.	F 14
S 15	13 16 23	20°30'45	14°47	10°21	4°45	22°31	5°14	15°49	15°12	0°56	10°48	13°58	15° 9	6° 7	n.a.	S 15
S 16	13 20 19	21°28'24	26°36	9°57	5°33	22°53	5°21	15°57	15°16	0°58	10°47	13°59	15° 6	6°14	n.a.	S 16
M17	13 24 16	22°26'03	8♑31	9°37	6°20	23°14	5°28	16° 5	15°19	1° 0	10°45	14° 1	15° 3	6°21	n.a.	M17
T 18	13 28 13	23°23'40	20°37	9°20	7° 7	23°35	5°36	16°12	15°22	1° 2	10°43	14°R 1	15° 0	6°27	n.a.	T 18
W19	13 32 9	24°21'16	2♒57	9° 8	7°52	23°56	5°44	16°20	15°26	1° 4	10°42	14° 1	14°57	6°34	n.a.	W19
T 20	13 36 6	25°18'51	15°36	9° 0	8°37	24°16	5°51	16°28	15°29	1° 5	10°40	14° 0	14°53	6°41	n.a.	T 20
F 21	13 40 2	26°16'25	28°38	8°D57	9°21	24°36	5°59	16°36	15°32	1° 7	10°38	13°58	14°50	6°47	n.a.	F 21
S 22	13 43 59	27°13'58	12♓ 5	8°58	10° 3	24°55	6° 7	16°44	15°36	1° 9	10°37	13°56	14°47	6°54	n.a.	S 22
S 23	13 47 55	28°11'30	25°57	9° 4	10°45	25°14	6°15	16°51	15°39	1°11	10°35	13°54	14°44	7° 1	n.a.	S 23
M24	13 51 52	29° 9'01	10♈14	9°14	11°26	25°32	6°24	16°59	15°43	1°13	10°34	13°52	14°41	7° 7	n.a.	M24
T 25	13 55 48	0♉ 6'30	24°50	9°28	12° 5	25°50	6°32	17° 7	15°46	1°15	10°32	13°51	14°37	7°14	n.a.	T 25
W26	13 59 45	1° 3'59	9♉40	9°47	12°44	26° 7	6°41	17°14	15°49	1°17	10°30	13°D50	14°34	7°21	n.a.	W26
T 27	14 3 42	2° 1'26	24°36	10°11	13°21	26°24	6°49	17°22	15°53	1°19	10°29	13°50	14°31	7°27	n.a.	T 27
F 28	14 7 38	2°58'53	9♊30	10°39	13°57	26°40	6°58	17°30	15°56	1°21	10°27	13°51	14°28	7°34	n.a.	F 28
S 29	14 11 35	3°56'18	24°15	11°10	14°32	26°56	7° 7	17°37	16° 0	1°23	10°26	13°52	14°25	7°41	n.a.	S 29
S 30	14 15 31	4♉53'42	8♋45	11♈46	15♊ 6	27♐11	7♋16	17♈45	16♉ 3	1♊25	10♎24	13♏53	14♏22	7♐47	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n49	20n12	2s36	9n18	2n27	21n55	3n28	23s21	0s18	24n19	0n39	3n30	2s16	16n10	0s13	19n10	1s22	10n54	16n45	16s21	16s47	19s41		n.a.
S 2	3 12	20 5	3 37	9 0	2 16	22 12	3 30	23 26	0 20	24 19	0 39	3 33	2 16	16 11	0 13	19 10	1 22	10 54	16 45	16 21	16 47	19 41		n.a.
M 3	3 35	18 43	4 25	8 40	2 5	22 29	3 33	23 31	0 22	24 19	0 39	3 36	2 16	16 12	0 13	19 11	1 22	10 55	16 45	16 21	16 46	19 42		n.a.
T 4	3 58	16 16	4 57	8 17	1 52	22 46	3 35	23 36	0 24	24 19	0 39	3 39	2 16	16 13	0 13	19 11	1 22	10 56	16 45	16 21	16 45	19 42		n.a.
W 5	4 21	12 58	5 11	7 52	1 38	23 2	3 38	23 40	0 27	24 18	0 39	3 42	2 16	16 14	0 13	19 11	1 22	10 56	16 45	16 20	16 44	19 42		n.a.
T 6	4 44	9 2	5 8	7 26	1 23	23 17	3 40	23 45	0 29	24 18	0 39	3 45	2 16	16 15	0 13	19 12	1 22	10 57	16 45	16 19	16 43	19 43		n.a.
F 7	5 7	4 45	4 49	6 58	1 7	23 32	3 42	23 49	0 32	24 18	0 39	3 48	2 16	16 16	0 13	19 12	1 22	10 57	16 45	16 17	16 42	19 43		n.a.
S 8	5 30	0 18	4 15	6 28	0 51	23 46	3 44	23 53	0 34	24 18	0 39	3 51	2 16	16 17	0 13	19 13	1 22	10 58	16 45	16 16	16 41	19 44		n.a.
S 9	5 52	4s 5	3 29	5 59	0 34	24 0	3 46	23 58	0 37	24 18	0 39	3 54	2 16	16 17	0 13	19 13	1 22	10 59	16 45	16 14	16 40	19 44		n.a.
M10	6 15	8 13	2 33	5 29	0 17	24 13	3 48	24 2	0 39	24 17	0 39	3 57	2 16	16 18	0 13	19 13	1 22	10 59	16 44	16 13	16 39	19 44		n.a.
T 11	6 38	11 57	1 32	4 59	0 0	24 26	3 50	24 6	0 42	24 17	0 39	4 0	2 16	16 19	0 13	19 14	1 22	11 0	16 44	16 12	16 38	19 45		n.a.
W12	7 0	15 8	0 26	4 29	0s17	24 38	3 51	24 11	0 44	24 17	0 39	4 3	2 16	16 20	0 13	19 14	1 22	11 0	16 44	16 12	16 37	19 45		n.a.
T 13	7 22	17 37	0n40	4 1	0 33	24 49	3 52	24 15	0 47	24 16	0 39	4 7	2 16	16 21	0 13	19 15	1 22	11 1	16 44	16 12	16 36	19 45		n.a.
F 14	7 44	19 19	1 43	3 34	0 50	25 0	3 54	24 19	0 50	24 16	0 39	4 10	2 16	16 22	0 13	19 15	1 22	11 1	16 44	16 12	16 35	19 46		n.a.
S 15	8 6	20 10	2 42	3 8	1 6	25 11	3 55	24 23	0 53	24 16	0 39	4 13	2 16	16 23	0 13	19 15	1 22	11 2	16 44	16 13	16 34	19 46		n.a.
S 16	8 28	20 7	3 34	2 44	1 21	25 21	3 55	24 27	0 55	24 16	0 39	4 16	2 16	16 24	0 13	19 16	1 22	11 2	16 44	16 13	16 33	19 46		n.a.
M17	8 50	19 10	4 18	2 23	1 36	25 30	3 56	24 31	0 58	24 15	0 39	4 19	2 16	16 25	0 13	19 16	1 22	11 3	16 44	16 14	16 32	19 47		n.a.
T 18	9 12	17 20	4 50	2 3	1 50	25 38	3 57	24 35	1 1	24 15	0 39	4 22	2 16	16 26	0 13	19 17	1 22	11 3	16 43	16 14	16 32	19 47		n.a.
W19	9 33	14 42	5 10	1 47	2 3	25 46	3 57	24 39	1 4	24 15	0 39	4 25	2 16	16 27	0 13	19 17	1 22	11 4	16 43	16 14	16 31	19 47		n.a.
T 20	9 54	11 19	5 16	1 32	2 16	25 54	3 57	24 43	1 7	24 14	0 39	4 28	2 16	16 28	0 12	19 17	1 22	11 4	16 43	16 14	16 30	19 48		n.a.
F 21	10 16	7 19	5 6	1 20	2 27	26 1	3 57	24 47	1 10	24 14	0 39	4 31	2 16	16 29	0 12	19 18	1 22	11 5	16 43	16 13	16 29	19 48		n.a.
S 22	10 37	2 49	4 39	1 11	2 37	26 7	3 57	24 51	1 14	24 14	0 39	4 34	2 16	16 30	0 12	19 18	1 21	11 5	16 43	16 12	16 28	19 48		n.a.
S 23	10 57	1n58	3 55	1 5	2 46	26 13	3 56	24 55	1 17	24 13	0 39	4 37	2 16	16 31	0 12	19 19	1 21	11 6	16 42	16 12	16 27	19 49		n.a.
M24	11 18	6 47	2 56	1 2	2 55	26 18	3 55	24 59	1 20	24 13	0 39	4 40	2 16	16 32	0 12	19 19	1 21	11 6	16 42	16 11	16 26	19 49		n.a.
T 25	11 39	11 20	1 43	1 1	3 2	26 23	3 54	25 3	1 23	24 12	0 39	4 43	2 16	16 33	0 12	19 20	1 21	11 6	16 42	16 11	16 25	19 49		n.a.
W26	11 59	15 15	0 23	1 2	3 8	26 27	3 53	25 7	1 27	24 12	0 39	4 45	2 16	16 34	0 12	19 20	1 21	11 7	16 42	16 11	16 24	19 49		n.a.
T 27	12 19	18 11	0s59	1 7	3 14	26 30	3 52	25 10	1 30	24 11	0 39	4 48	2 16	16 35	0 12	19 20	1 21	11 7	16 42	16 11	16 23	19 50		n.a.
F 28	12 39	19 52	2 18	1 14	3 18	26 33	3 50	25 14	1 34	24 11	0 39	4 51	2 16	16 36	0 12	19 21	1 21	11 8	16 41	16 11	16 22	19 50		n.a.
S 29	12 59	20 10	3 26	1 23	3 22	26 35	3 48	25 18	1 37	24 11	0 39	4 54	2 16	16 37	0 12	19 21	1 21	11 8	16 41	16 11	16 21	19 50		n.a.
S 30	13n18	19n 6	4s20	1n35	3s24	26n37	3n46	25s22	1s41	24n10	0n39	4n57	2s16	16n38	0s12	19n22	1s21	11n 8	16n41	16s11	16s20	19s51		n.a.

Julian Day Number = 1633853.5, Delta T = 03h40m20s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'47, Lahiri = - 7°15'47 Julian Calendar 1 Apr. 240 BCE == Greg. Calendar 28 March 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

MAY 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 19 28	5♉51'04	22♋57	12♈26	15♊38	27♐25	7♋25	17♈53	16♉ 7	1♊27	10°R23	13♏53	14♏18	7♐54	n.a.	M 1
T 2	14 23 24	6°48'25	6♌49	13°10	16° 9	27°39	7°34	18° 0	16°10	1°29	10♎21	13°R53	14°15	8° 1	n.a.	T 2
W 3	14 27 21	7°45'45	20°20	13°58	16°38	27°53	7°43	18° 8	16°14	1°31	10°20	13°53	14°12	8° 7	n.a.	W 3
T 4	14 31 17	8°43'04	3♍32	14°49	17° 6	28° 6	7°52	18°15	16°17	1°33	10°18	13°53	14° 9	8°14	n.a.	T 4
F 5	14 35 14	9°40'21	16°27	15°44	17°32	28°18	8° 2	18°23	16°21	1°35	10°17	13°52	14° 6	8°21	n.a.	F 5
S 6	14 39 11	10°37'37	29° 6	16°42	17°57	28°30	8°11	18°30	16°24	1°37	10°16	13°52	14° 2	8°27	n.a.	S 6
S 7	14 43 7	11°34'52	11♎31	17°44	18°20	28°41	8°21	18°38	16°28	1°40	10°14	13°51	13°59	8°34	n.a.	S 7
M 8	14 47 4	12°32'07	23°45	18°49	18°41	28°51	8°31	18°45	16°31	1°42	10°13	13°51	13°56	8°41	n.a.	M 8
T 9	14 51 0	13°29'20	5♏50	19°57	19° 0	29° 1	8°41	18°53	16°35	1°44	10°12	13°51	13°53	8°47	n.a.	T 9
W10	14 54 57	14°26'33	17°47	21° 8	19°17	29°10	8°51	19° 0	16°38	1°46	10°10	13°51	13°50	8°54	n.a.	W10
T 11	14 58 53	15°23'45	29°40	22°23	19°33	29°18	9° 1	19° 7	16°42	1°48	10° 9	13°51	13°47	9° 1	n.a.	T 11
F 12	15 2 50	16°20'57	11♐29	23°41	19°46	29°26	9°11	19°14	16°45	1°50	10° 8	13°51	13°43	9° 7	n.a.	F 12
S 13	15 6 46	17°18'08	23°18	25° 2	19°58	29°33	9°21	19°22	16°49	1°53	10° 6	13°51	13°40	9°14	n.a.	S 13
S 14	15 10 43	18°15'18	5♑ 9	26°26	20° 7	29°40	9°31	19°29	16°53	1°55	10° 5	13°50	13°37	9°21	n.a.	S 14
M15	15 14 40	19°12'28	17° 6	27°53	20°14	29°46	9°42	19°36	16°56	1°57	10° 4	13°50	13°34	9°27	n.a.	M15
T 16	15 18 36	20° 9'38	29°12	29°23	20°19	29°51	9°52	19°43	17° 0	1°59	10° 3	13°49	13°31	9°34	n.a.	T 16
W17	15 22 33	21° 6'48	11♒31	0♉56	20°22	29°55	10° 3	19°50	17° 3	2° 1	10° 2	13°49	13°28	9°41	n.a.	W17
T 18	15 26 29	22° 3'57	24° 8	2°32	20°R22	29°58	10°13	19°58	17° 7	2° 3	10° 0	13°D49	13°24	9°47	n.a.	T 18
F 19	15 30 26	23° 1'06	7♓ 5	4°11	20°20	0♑ 1	10°24	20° 5	17°10	2° 6	9°59	13°49	13°21	9°54	n.a.	F 19
S 20	15 34 22	23°58'15	20°27	5°52	20°16	0° 3	10°35	20°12	17°14	2° 8	9°58	13°49	13°18	10° 0	n.a.	S 20
S 21	15 38 19	24°55'24	4♈15	7°37	20° 9	0° 5	10°46	20°18	17°17	2°10	9°57	13°50	13°15	10° 7	n.a.	S 21
M22	15 42 15	25°52'33	18°28	9°24	20° 0	0°R 5	10°56	20°25	17°21	2°12	9°56	13°51	13°12	10°14	n.a.	M22
T 23	15 46 12	26°49'41	3♉ 6	11°15	19°49	0° 5	11° 7	20°32	17°24	2°15	9°55	13°52	13° 8	10°20	n.a.	T 23
W24	15 50 9	27°46'50	18° 3	13° 7	19°35	0° 4	11°19	20°39	17°28	2°17	9°54	13°R52	13° 5	10°27	n.a.	W24
T 25	15 54 5	28°43'58	3♊11	15° 3	19°19	0° 2	11°30	20°46	17°31	2°19	9°53	13°51	13° 2	10°34	n.a.	T 25
F 26	15 58 2	29°41'07	18°21	17° 0	19° 1	29♐59	11°41	20°53	17°35	2°21	9°52	13°50	12°59	10°40	n.a.	F 26
S 27	16 1 58	0♊38'15	3♋24	19° 0	18°40	29°56	11°52	20°59	17°38	2°23	9°51	13°48	12°56	10°47	n.a.	S 27
S 28	16 5 55	1°35'22	18°12	21° 2	18°17	29°52	12° 4	21° 6	17°42	2°26	9°50	13°46	12°53	10°54	n.a.	S 28
M29	16 9 51	2°32'30	2♌37	23° 6	17°52	29°47	12°15	21°12	17°45	2°28	9°50	13°44	12°49	11° 0	n.a.	M29
T 30	16 13 48	3°29'36	16°37	25°12	17°25	29°42	12°26	21°19	17°49	2°30	9°49	13°43	12°46	11° 7	n.a.	T 30
W31	16 17 45	4♊26'43	0♍11	27♉19	16♊56	29♐36	12♋38	21♈25	17♉52	2♊32	9♎48	13°D42	12♏43	11♐14	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	13n38	16n52	4s57	1n49	3s26	26n38	3n43	25s26	1s44	24n10	0n39	5n 0	2s16	16n39	0s12	19n22	1s21	11n 9	16n40	16s12	16s19	19s51			n.a.
T 2	13 57	13 42	5 15	2 5	3 27	26 39	3 41	25 30	1 48	24 9	0 39	5 3	2 16	16 40	0 12	19 23	1 21	11 9	16 40	16 12	16 18	19 51			n.a.
W 3	14 16	9 54	5 15	2 24	3 27	26 39	3 38	25 34	1 52	24 8	0 39	5 6	2 16	16 42	0 12	19 23	1 21	11 9	16 40	16 12	16 17	19 51			n.a.
T 4	14 34	5 41	4 59	2 45	3 26	26 38	3 34	25 38	1 56	24 8	0 39	5 9	2 16	16 43	0 12	19 24	1 21	11 9	16 40	16 12	16 16	19 52			n.a.
F 5	14 53	1 18	4 28	3 8	3 24	26 37	3 30	25 42	2 0	24 7	0 39	5 11	2 16	16 44	0 12	19 24	1 21	11 10	16 39	16 11	16 15	19 52			n.a.
S 6	15 11	3s 3	3 44	3 32	3 22	26 36	3 26	25 46	2 4	24 7	0 39	5 14	2 16	16 45	0 12	19 24	1 21	11 10	16 39	16 11	16 14	19 52			n.a.
S 7	15 29	7 13	2 50	3 59	3 18	26 33	3 22	25 51	2 8	24 6	0 39	5 17	2 17	16 46	0 12	19 25	1 21	11 10	16 39	16 11	16 13	19 52			n.a.
M 8	15 47	11 1	1 49	4 28	3 14	26 31	3 17	25 55	2 12	24 6	0 39	5 20	2 17	16 47	0 12	19 25	1 21	11 10	16 38	16 11	16 13	19 53			n.a.
T 9	16 4	14 19	0 44	4 58	3 10	26 27	3 12	25 59	2 16	24 5	0 39	5 22	2 17	16 48	0 12	19 26	1 21	11 11	16 38	16 11	16 12	19 53			n.a.
W10	16 22	16 59	0n22	5 30	3 5	26 23	3 7	26 3	2 20	24 4	0 39	5 25	2 17	16 49	0 12	19 26	1 21	11 11	16 38	16 11	16 11	19 53			n.a.
T 11	16 39	18 54	1 27	6 3	2 59	26 19	3 1	26 7	2 24	24 4	0 39	5 28	2 17	16 50	0 12	19 27	1 21	11 11	16 37	16 11	16 10	19 53			n.a.
F 12	16 55	19 59	2 28	6 38	2 52	26 13	2 55	26 12	2 28	24 3	0 39	5 31	2 17	16 51	0 12	19 27	1 21	11 11	16 37	16 11	16 9	19 54			n.a.
S 13	17 12	20 11	3 22	7 14	2 45	26 8	2 48	26 16	2 33	24 2	0 39	5 33	2 17	16 52	0 12	19 28	1 21	11 11	16 36	16 11	16 8	19 54			n.a.
S 14	17 28	19 29	4 8	7 52	2 38	26 1	2 41	26 20	2 37	24 1	0 39	5 36	2 17	16 53	0 12	19 28	1 21	11 11	16 36	16 11	16 7	19 54			n.a.
M15	17 44	17 55	4 44	8 31	2 30	25 55	2 33	26 25	2 41	24 1	0 39	5 39	2 17	16 54	0 12	19 29	1 21	11 11	16 36	16 11	16 6	19 54			n.a.
T 16	18 0	15 33	5 7	9 11	2 21	25 47	2 26	26 29	2 46	24 0	0 39	5 41	2 17	16 55	0 12	19 29	1 21	11 12	16 35	16 10	16 5	19 54			n.a.
W17	18 15	12 27	5 17	9 53	2 12	25 39	2 17	26 34	2 50	23 59	0 39	5 44	2 17	16 56	0 12	19 29	1 21	11 12	16 35	16 10	16 4	19 55			n.a.
T 18	18 30	8 44	5 12	10 35	2 2	25 30	2 9	26 38	2 55	23 58	0 39	5 47	2 17	16 57	0 12	19 30	1 21	11 12	16 34	16 10	16 3	19 55			n.a.
F 19	18 45	4 30	4 52	11 18	1 53	25 21	1 59	26 43	3 0	23 57	0 39	5 49	2 18	16 58	0 12	19 30	1 21	11 12	16 34	16 10	16 2	19 55			n.a.
S 20	18 59	0n 4	4 15	12 2	1 42	25 11	1 50	26 48	3 4	23 57	0 39	5 52	2 18	16 59	0 12	19 31	1 21	11 12	16 34	16 10	16 1	19 55			n.a.
S 21	19 13	4 48	3 23	12 46	1 32	25 0	1 40	26 52	3 9	23 56	0 39	5 54	2 18	17 0	0 12	19 31	1 21	11 12	16 33	16 11	16 0	19 55			n.a.
M22	19 27	9 25	2 16	13 31	1 21	24 49	1 29	26 57	3 14	23 55	0 39	5 57	2 18	17 1	0 12	19 32	1 21	11 12	16 33	16 11	15 59	19 56			n.a.
T 23	19 41	13 37	0 59	14 16	1 10	24 38	1 18	27 2	3 18	23 54	0 39	5 59	2 18	17 2	0 12	19 32	1 21	11 12	16 32	16 11	15 58	19 56			n.a.
W24	19 54	17 2	0s23	15 2	0 59	24 25	1 7	27 6	3 23	23 53	0 39	6 2	2 18	17 3	0 12	19 33	1 21	11 12	16 32	16 11	15 57	19 56			n.a.
T 25	20 7	19 19	1 45	15 47	0 47	24 12	0 55	27 11	3 28	23 52	0 39	6 4	2 18	17 4	0 12	19 33	1 21	11 12	16 31	16 11	15 56	19 56			n.a.
F 26	20 19	20 13	3 0	16 32	0 36	23 59	0 43	27 16	3 33	23 51	0 39	6 7	2 18	17 5	0 12	19 34	1 21	11 12	16 31	16 11	15 55	19 56			n.a.
S 27	20 32	19 40	4 1	17 17	0 25	23 44	0 31	27 21	3 37	23 50	0 39	6 9	2 18	17 6	0 12	19 34	1 21	11 11	16 30	16 10	15 54	19 57			n.a.
S 28	20 43	17 46	4 45	18 1	0 13	23 30	0 18	27 25	3 42	23 49	0 39	6 11	2 19	17 7	0 12	19 34	1 21	11 11	16 30	16 9	15 53	19 57			n.a.
M29	20 55	14 46	5 10	18 44	0 2	23 14	0 5	27 30	3 47	23 48	0 39	6 14	2 19	17 8	0 12	19 35	1 21	11 11	16 29	16 9	15 52	19 57			n.a.
T 30	21 6	11 2	5 15	19 26	0n 9	22 58	0s 9	27 35	3 52	23 47	0 39	6 16	2 19	17 9	0 12	19 35	1 21	11 11	16 29	16 8	15 51	19 57			n.a.
W31	21n17	6n49	5s 3	20n 7	0n20	22n42	0s22	27s40	3s56	23n46	0n39	6n18	2s19	17n10	0s12	19n36	1s21	11n11	16n28	16s 8	15s50	19s57			n.a.

Julian Day Number = 1633883.5, Delta T = 03h40m19s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'43, Lahiri = - 7°15'43 Julian Calendar 1 May 240 BCE == Greg. Calendar 27 Apr. 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

JUNE 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 21 41	5♊23'49	13♍21	29♉27	16°R26	29°R29	12♋50	21♈32	17♉55	2♊35	9°R47	13♏42	12♏40	11♐20	n.a.	T 1
F 2	16 25 38	6°20'55	26° 8	1♊37	15♊54	29♐21	13° 1	21°38	17°59	2°37	9♎47	13°43	12°37	11°27	n.a.	F 2
S 3	16 29 34	7°18'01	8♎36	3°46	15°20	29°13	13°13	21°45	18° 2	2°39	9°46	13°44	12°34	11°34	n.a.	S 3
S 4	16 33 31	8°15'06	20°50	5°56	14°45	29° 4	13°25	21°51	18° 6	2°41	9°45	13°46	12°30	11°40	n.a.	S 4
M 5	16 37 27	9°12'12	2♏53	8° 7	14° 9	28°54	13°37	21°57	18° 9	2°44	9°45	13°47	12°27	11°47	n.a.	M 5
T 6	16 41 24	10° 9'17	14°48	10°16	13°33	28°44	13°49	22° 3	18°12	2°46	9°44	13°R48	12°24	11°54	n.a.	T 6
W 7	16 45 20	11° 6'23	26°39	12°26	12°56	28°33	14° 0	22° 9	18°16	2°48	9°43	13°47	12°21	12° 0	n.a.	W 7
T 8	16 49 17	12° 3'29	8♐28	14°34	12°18	28°21	14°12	22°15	18°19	2°50	9°43	13°45	12°18	12° 7	n.a.	T 8
F 9	16 53 14	13° 0'35	20°17	16°42	11°41	28° 9	14°25	22°21	18°22	2°52	9°42	13°41	12°14	12°14	n.a.	F 9
S 10	16 57 10	13°57'41	2♑ 9	18°49	11° 3	27°57	14°37	22°27	18°26	2°55	9°42	13°37	12°11	12°20	n.a.	S 10
S 11	17 1 7	14°54'48	14° 5	20°54	10°27	27°43	14°49	22°33	18°29	2°57	9°41	13°32	12° 8	12°27	n.a.	S 11
M12	17 5 3	15°51'56	26° 7	22°58	9°50	27°30	15° 1	22°39	18°32	2°59	9°41	13°26	12° 5	12°34	n.a.	M12
T 13	17 9 0	16°49'03	8♒18	25° 1	9°15	27°16	15°13	22°44	18°35	3° 1	9°41	13°21	12° 2	12°40	n.a.	T 13
W14	17 12 56	17°46'12	20°41	27° 2	8°41	27° 1	15°26	22°50	18°38	3° 3	9°40	13°17	11°59	12°47	n.a.	W14
T 15	17 16 53	18°43'21	3♓18	29° 1	8° 8	26°47	15°38	22°55	18°42	3° 6	9°40	13°14	11°55	12°54	n.a.	T 15
F 16	17 20 49	19°40'31	16°13	0♋58	7°36	26°31	15°50	23° 1	18°45	3° 8	9°40	13°D13	11°52	13° 0	n.a.	F 16
S 17	17 24 46	20°37'42	29°29	2°54	7° 7	26°16	16° 3	23° 6	18°48	3°10	9°39	13°13	11°49	13° 7	n.a.	S 17
S 18	17 28 43	21°34'53	13♈ 7	4°48	6°39	26° 0	16°15	23°12	18°51	3°12	9°39	13°15	11°46	13°14	n.a.	S 18
M19	17 32 39	22°32'06	27°11	6°41	6°13	25°44	16°28	23°17	18°54	3°14	9°39	13°16	11°43	13°20	n.a.	M19
T 20	17 36 36	23°29'19	11♉39	8°31	5°49	25°28	16°40	23°22	18°57	3°16	9°39	13°R17	11°39	13°27	n.a.	T 20
W21	17 40 32	24°26'34	26°29	10°20	5°27	25°12	16°53	23°27	19° 0	3°18	9°39	13°16	11°36	13°34	n.a.	W21
T 22	17 44 29	25°23'49	11♊34	12° 7	5° 7	24°55	17° 5	23°32	19° 3	3°21	9°39	13°14	11°33	13°40	n.a.	T 22
F 23	17 48 25	26°21'05	26°46	13°52	4°50	24°39	17°18	23°37	19° 6	3°23	9°38	13° 9	11°30	13°47	n.a.	F 23
S 24	17 52 22	27°18'22	11♋56	15°36	4°35	24°22	17°31	23°42	19° 9	3°25	9°D38	13° 3	11°27	13°54	n.a.	S 24
S 25	17 56 18	28°15'39	26°53	17°18	4°22	24° 6	17°43	23°47	19°12	3°27	9°38	12°57	11°24	14° 0	n.a.	S 25
M26	18 0 15	29°12'58	11♌28	18°58	4°12	23°50	17°56	23°52	19°15	3°29	9°39	12°50	11°20	14° 7	n.a.	M26
T 27	18 4 12	0♋10'16	25°38	20°36	4° 4	23°34	18° 9	23°56	19°18	3°31	9°39	12°45	11°17	14°14	n.a.	T 27
W28	18 8 8	1° 7'36	9♍18	22°12	3°59	23°18	18°22	24° 1	19°21	3°33	9°39	12°41	11°14	14°20	n.a.	W28
T 29	18 12 5	2° 4'56	22°30	23°47	3°56	23° 2	18°34	24° 5	19°24	3°35	9°39	12°38	11°11	14°27	n.a.	T 29
F 30	18 16 1	3♋ 2'16	5♎17	25♋20	3°D55	22♐47	18♋47	24♈10	19♉26	3♊37	9♎39	12°D38	11♏ 8	14♐34	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21n27	2n24	4s35	20n46	0n30	22n25	0s36	27s45	4s 1	23n45	0n39	6n21	2s19	17n11	0s12	19n36	1s21	11n11	16n28	16s 8	15s49	19s57			n.a.
F 2	21 37	2s 0	3 53	21 23	0 40	22 8	0 50	27 49	4 6	23 44	0 39	6 23	2 19	17 12	0 12	19 37	1 21	11 11	16 27	16 9	15 48	19 57			n.a.
S 3	21 47	6 14	3 2	21 58	0 49	21 50	1 4	27 54	4 11	23 43	0 39	6 25	2 19	17 13	0 12	19 37	1 21	11 10	16 27	16 9	15 47	19 58			n.a.
S 4	21 57	10 8	2 3	22 30	0 58	21 32	1 18	27 58	4 15	23 41	0 39	6 27	2 20	17 14	0 12	19 38	1 21	11 10	16 26	16 9	15 46	19 58			n.a.
M 5	22 6	13 33	1 0	23 1	1 6	21 14	1 32	28 3	4 20	23 40	0 39	6 30	2 20	17 15	0 12	19 38	1 21	11 10	16 26	16 10	15 45	19 58			n.a.
T 6	22 14	16 23	0n 6	23 29	1 14	20 56	1 46	28 8	4 25	23 39	0 39	6 32	2 20	17 16	0 12	19 38	1 21	11 10	16 25	16 10	15 44	19 58			n.a.
W 7	22 22	18 30	1 10	23 54	1 21	20 38	2 0	28 12	4 29	23 38	0 39	6 34	2 20	17 17	0 12	19 39	1 21	11 9	16 25	16 10	15 43	19 58			n.a.
T 8	22 30	19 49	2 11	24 16	1 28	20 19	2 14	28 16	4 34	23 37	0 40	6 36	2 20	17 17	0 12	19 39	1 21	11 9	16 24	16 9	15 42	19 58			n.a.
F 9	22 38	20 15	3 7	24 36	1 33	20 1	2 28	28 21	4 38	23 35	0 40	6 38	2 20	17 18	0 12	19 40	1 21	11 9	16 24	16 8	15 41	19 58			n.a.
S 10	22 45	19 48	3 54	24 52	1 38	19 43	2 41	28 25	4 42	23 34	0 40	6 40	2 20	17 19	0 12	19 40	1 21	11 9	16 23	16 7	15 40	19 58			n.a.
S 11	22 51	18 28	4 32	25 6	1 42	19 25	2 54	28 29	4 47	23 33	0 40	6 42	2 21	17 20	0 12	19 41	1 21	11 8	16 23	16 5	15 39	19 59			n.a.
M12	22 58	16 18	4 58	25 18	1 46	19 7	3 6	28 33	4 51	23 31	0 40	6 44	2 21	17 21	0 12	19 41	1 21	11 8	16 22	16 3	15 39	19 59			n.a.
T 13	23 4	13 24	5 11	25 26	1 49	18 50	3 18	28 37	4 55	23 30	0 40	6 46	2 21	17 22	0 12	19 41	1 21	11 8	16 21	16 2	15 38	19 59			n.a.
W14	23 9	9 53	5 9	25 32	1 51	18 33	3 30	28 40	4 59	23 29	0 40	6 48	2 21	17 23	0 12	19 42	1 21	11 7	16 21	16 1	15 37	19 59			n.a.
T 15	23 14	5 52	4 53	25 35	1 52	18 17	3 41	28 44	5 3	23 27	0 40	6 50	2 21	17 24	0 12	19 42	1 21	11 7	16 20	16 0	15 36	19 59			n.a.
F 16	23 19	1 29	4 22	25 36	1 53	18 2	3 51	28 47	5 7	23 26	0 40	6 52	2 21	17 25	0 12	19 43	1 21	11 6	16 20	16 0	15 35	19 59			n.a.
S 17	23 23	3n 5	3 36	25 34	1 53	17 47	4 1	28 50	5 10	23 24	0 40	6 54	2 22	17 26	0 12	19 43	1 21	11 6	16 19	16 0	15 34	19 59			n.a.
S 18	23 27	7 39	2 37	25 30	1 53	17 33	4 11	28 53	5 14	23 23	0 40	6 55	2 22	17 26	0 12	19 44	1 21	11 5	16 19	16 0	15 33	19 59			n.a.
M19	23 31	11 56	1 27	25 24	1 51	17 20	4 20	28 56	5 17	23 21	0 40	6 57	2 22	17 27	0 12	19 44	1 21	11 5	16 18	16 0	15 32	19 59			n.a.
T 20	23 34	15 39	0 9	25 16	1 50	17 8	4 28	28 59	5 21	23 20	0 40	6 59	2 22	17 28	0 12	19 44	1 21	11 5	16 17	16 1	15 31	19 59			n.a.
W21	23 36	18 27	1s11	25 6	1 47	16 57	4 36	29 1	5 24	23 18	0 40	7 1	2 22	17 29	0 12	19 45	1 21	11 4	16 17	16 0	15 30	19 59			n.a.
T 22	23 38	20 0	2 27	24 54	1 45	16 46	4 43	29 4	5 27	23 17	0 40	7 2	2 23	17 30	0 12	19 45	1 21	11 4	16 16	16 0	15 29	19 59			n.a.
F 23	23 40	20 7	3 34	24 40	1 41	16 37	4 49	29 6	5 29	23 15	0 40	7 4	2 23	17 31	0 12	19 46	1 21	11 3	16 16	15 58	15 28	19 59			n.a.
S 24	23 42	18 47	4 25	24 24	1 37	16 28	4 55	29 8	5 32	23 13	0 40	7 6	2 23	17 32	0 12	19 46	1 21	11 3	16 15	15 57	15 27	20 0			n.a.
S 25	23 43	16 11	4 57	24 7	1 33	16 21	5 1	29 10	5 35	23 12	0 40	7 7	2 23	17 32	0 12	19 46	1 21	11 2	16 15	15 54	15 26	20 0			n.a.
M26	23 43	12 36	5 9	23 49	1 28	16 14	5 5	29 11	5 37	23 10	0 40	7 9	2 23	17 33	0 12	19 47	1 21	11 1	16 14	15 52	15 25	20 0			n.a.
T 27	23 43	8 24	5 1	23 29	1 23	16 8	5 10	29 13	5 39	23 8	0 40	7 10	2 24	17 34	0 12	19 47	1 21	11 1	16 13	15 51	15 24	20 0			n.a.
W28	23 43	3 55	4 36	23 8	1 17	16 4	5 14	29 14	5 41	23 7	0 40	7 12	2 24	17 35	0 12	19 47	1 21	11 0	16 13	15 50	15 23	20 0			n.a.
T 29	23 42	0s37	3 57	22 46	1 11	16 0	5 17	29 15	5 43	23 5	0 40	7 13	2 24	17 36	0 12	19 48	1 21	11 0	16 12	15 49	15 22	20 0			n.a.
F 30	23n41	4s59	3s 8	22n23	1n 4	15n57	5s20	29s16	5s45	23n 3	0n40	7n15	2s24	17n36	0s12	19n48	1s21	10n59	16n12	15s49	15s21	20s 0			n.a.

Julian Day Number = 1633914.5, Delta T = 03h40m18s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'39, Lahiri = - 7°15'39 Julian Calendar 1 June 240 BCE == Greg. Calendar 28 May 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

JULY 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 19 58	3♋59'38	17♎42	26♋51	3♊56	22°R32	19♋ 0	24♈14	19♉29	3♊39	9♎39	12♏39	11♏ 5	14♐40	n.a.	S 1
S 2	18 23 54	4°57'00	29°51	28°20	4° 0	22♐18	19°13	24°18	19°32	3°41	9°40	12°40	11° 1	14°47	n.a.	S 2
M 3	18 27 51	5°54'23	11♏49	29°48	4° 6	22° 4	19°26	24°23	19°35	3°43	9°40	12°R40	10°58	14°54	n.a.	M 3
T 4	18 31 47	6°51'46	23°40	1♌14	4°14	21°50	19°39	24°27	19°37	3°45	9°40	12°40	10°55	15° 0	n.a.	T 4
W 5	18 35 44	7°49'11	5♐28	2°38	4°24	21°37	19°52	24°31	19°40	3°47	9°41	12°37	10°52	15° 7	n.a.	W 5
T 6	18 39 41	8°46'37	17°17	4° 0	4°36	21°24	20° 5	24°35	19°43	3°49	9°41	12°32	10°49	15°14	n.a.	T 6
F 7	18 43 37	9°44'04	29° 9	5°20	4°51	21°12	20°18	24°38	19°45	3°51	9°41	12°25	10°45	15°20	n.a.	F 7
S 8	18 47 34	10°41'32	11♑ 6	6°38	5° 7	21° 1	20°31	24°42	19°48	3°53	9°42	12°15	10°42	15°27	n.a.	S 8
S 9	18 51 30	11°39'01	23°11	7°54	5°25	20°50	20°44	24°46	19°50	3°54	9°42	12° 5	10°39	15°34	n.a.	S 9
M10	18 55 27	12°36'31	5♒24	9° 8	5°45	20°40	20°57	24°49	19°53	3°56	9°43	11°54	10°36	15°40	n.a.	M10
T 11	18 59 23	13°34'03	17°46	10°20	6° 7	20°30	21°10	24°53	19°55	3°58	9°43	11°43	10°33	15°47	n.a.	T 11
W12	19 3 20	14°31'36	0♓19	11°30	6°31	20°21	21°23	24°56	19°57	4° 0	9°44	11°35	10°30	15°54	n.a.	W12
T 13	19 7 17	15°29'11	13° 3	12°38	6°56	20°13	21°36	24°59	20° 0	4° 2	9°45	11°28	10°26	16° 1	n.a.	T 13
F 14	19 11 13	16°26'47	26° 2	13°43	7°23	20° 6	21°49	25° 2	20° 2	4° 3	9°45	11°24	10°23	16° 7	n.a.	F 14
S 15	19 15 10	17°24'25	9♈17	14°45	7°51	19°59	22° 2	25° 5	20° 4	4° 5	9°46	11°22	10°20	16°14	n.a.	S 15
S 16	19 19 6	18°22'04	22°50	15°45	8°21	19°53	22°15	25° 8	20° 7	4° 7	9°47	11°D22	10°17	16°21	n.a.	S 16
M17	19 23 3	19°19'46	6♉43	16°43	8°53	19°48	22°28	25°11	20° 9	4° 9	9°47	11°R22	10°14	16°27	n.a.	M17
T 18	19 26 59	20°17'29	20°57	17°37	9°26	19°43	22°41	25°14	20°11	4°10	9°48	11°22	10°11	16°34	n.a.	T 18
W19	19 30 56	21°15'14	5♊30	18°29	10° 0	19°40	22°55	25°17	20°13	4°12	9°49	11°20	10° 7	16°41	n.a.	W19
T 20	19 34 52	22°13'01	20°20	19°17	10°35	19°37	23° 8	25°19	20°15	4°14	9°50	11°16	10° 4	16°47	n.a.	T 20
F 21	19 38 49	23°10'49	5♋19	20° 2	11°12	19°35	23°21	25°22	20°17	4°15	9°51	11° 9	10° 1	16°54	n.a.	F 21
S 22	19 42 46	24° 8'39	20°20	20°43	11°50	19°33	23°34	25°24	20°19	4°17	9°52	10°59	9°58	17° 1	n.a.	S 22
S 23	19 46 42	25° 6'31	5♌12	21°21	12°29	19°D33	23°47	25°26	20°21	4°18	9°53	10°49	9°55	17° 7	n.a.	S 23
M24	19 50 39	26° 4'24	19°48	21°54	13° 9	19°34	24° 0	25°29	20°23	4°20	9°54	10°38	9°51	17°14	n.a.	M24
T 25	19 54 35	27° 2'19	3♍59	22°24	13°50	19°35	24°13	25°31	20°25	4°21	9°55	10°28	9°48	17°21	n.a.	T 25
W26	19 58 32	28° 0'15	17°43	22°48	14°32	19°37	24°26	25°33	20°27	4°23	9°56	10°21	9°45	17°27	n.a.	W26
T 27	20 2 28	28°58'12	0♎58	23° 8	15°15	19°40	24°39	25°34	20°28	4°24	9°57	10°16	9°42	17°34	n.a.	T 27
F 28	20 6 25	29°56'11	13°47	23°23	15°59	19°44	24°53	25°36	20°30	4°26	9°58	10°13	9°39	17°41	n.a.	F 28
S 29	20 10 21	0♌54'12	26°14	23°33	16°44	19°48	25° 6	25°38	20°32	4°27	9°59	10°12	9°36	17°47	n.a.	S 29
S 30	20 14 18	1°52'14	8♏23	23°R37	17°30	19°54	25°19	25°39	20°34	4°29	10° 0	10°12	9°32	17°54	n.a.	S 30
M31	20 18 14	2♌50'17	20♏20	23♌36	18♊17	20♐ 0	25♋32	25♈41	20♉35	4♊30	10♎ 2	10♏12	9♏29	18♐ 1	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n40	9s 2	2s11	21n58	0n58	15n55	5s22	29s16	5s46	23n 2	0n41	7n16	2s24	17n37	0s12	19n49	1s21	10n58	16n11	15s49	15s20	20s 0		n.a.
S 2	23 38	12 37	1 9	21 33	0 50	15 54	5 24	29 17	5 48	23 0	0 41	7 18	2 25	17 38	0 12	19 49	1 21	10 58	16 10	15 49	15 19	20 0		n.a.
M 3	23 35	15 38	0 5	21 8	0 43	15 53	5 25	29 17	5 49	22 58	0 41	7 19	2 25	17 39	0 12	19 49	1 21	10 57	16 10	15 49	15 18	20 0		n.a.
T 4	23 33	17 58	0n59	20 41	0 35	15 54	5 26	29 17	5 50	22 56	0 41	7 20	2 25	17 39	0 12	19 50	1 21	10 57	16 9	15 49	15 17	20 0		n.a.
W 5	23 29	19 31	1 59	20 14	0 26	15 55	5 27	29 17	5 51	22 54	0 41	7 21	2 25	17 40	0 12	19 50	1 21	10 56	16 9	15 48	15 16	20 0		n.a.
T 6	23 26	20 13	2 55	19 46	0 18	15 57	5 27	29 17	5 51	22 52	0 41	7 23	2 26	17 41	0 12	19 50	1 21	10 55	16 8	15 47	15 15	20 0		n.a.
F 7	23 22	20 1	3 42	19 18	0 9	15 59	5 27	29 17	5 52	22 51	0 41	7 24	2 26	17 41	0 12	19 51	1 21	10 54	16 8	15 45	15 14	20 0		n.a.
S 8	23 17	18 55	4 21	18 50	0s 0	16 3	5 27	29 16	5 52	22 49	0 41	7 25	2 26	17 42	0 12	19 51	1 21	10 54	16 7	15 42	15 13	20 0		n.a.
S 9	23 12	16 59	4 48	18 21	0 9	16 6	5 26	29 16	5 53	22 47	0 41	7 26	2 26	17 43	0 12	19 51	1 21	10 53	16 6	15 38	15 12	20 0		n.a.
M10	23 7	14 16	5 2	17 53	0 19	16 11	5 25	29 15	5 53	22 45	0 41	7 27	2 26	17 43	0 12	19 52	1 21	10 52	16 6	15 35	15 11	20 0		n.a.
T 11	23 1	10 54	5 2	17 24	0 29	16 16	5 24	29 14	5 53	22 43	0 41	7 28	2 27	17 44	0 12	19 52	1 21	10 52	16 5	15 32	15 10	20 0		n.a.
W12	22 55	7 0	4 48	16 55	0 39	16 21	5 23	29 13	5 52	22 41	0 41	7 29	2 27	17 45	0 12	19 52	1 21	10 51	16 5	15 29	15 9	20 0		n.a.
T 13	22 49	2 45	4 19	16 26	0 49	16 27	5 21	29 12	5 52	22 39	0 41	7 30	2 27	17 45	0 12	19 53	1 21	10 50	16 4	15 27	15 8	20 0		n.a.
F 14	22 42	1n43	3 37	15 57	0 59	16 34	5 19	29 11	5 52	22 37	0 41	7 31	2 27	17 46	0 12	19 53	1 21	10 49	16 3	15 26	15 7	20 0		n.a.
S 15	22 34	6 12	2 42	15 29	1 10	16 40	5 17	29 10	5 51	22 35	0 41	7 32	2 28	17 47	0 12	19 53	1 21	10 48	16 3	15 25	15 6	20 0		n.a.
S 16	22 27	10 29	1 37	15 1	1 21	16 47	5 14	29 9	5 50	22 33	0 42	7 33	2 28	17 47	0 12	19 54	1 21	10 48	16 2	15 25	15 5	20 0		n.a.
M17	22 19	14 18	0 25	14 34	1 32	16 55	5 11	29 8	5 49	22 30	0 42	7 34	2 28	17 48	0 12	19 54	1 21	10 47	16 2	15 25	15 4	20 0		n.a.
T 18	22 10	17 23	0s51	14 7	1 42	17 3	5 9	29 6	5 48	22 28	0 42	7 35	2 28	17 48	0 12	19 54	1 21	10 46	16 1	15 25	15 3	20 0		n.a.
W19	22 1	19 26	2 5	13 40	1 53	17 11	5 5	29 5	5 47	22 26	0 42	7 35	2 29	17 49	0 12	19 54	1 21	10 45	16 1	15 25	15 2	20 0		n.a.
T 20	21 52	20 11	3 11	13 15	2 4	17 19	5 2	29 4	5 46	22 24	0 42	7 36	2 29	17 50	0 12	19 55	1 21	10 44	16 0	15 23	15 1	19 59		n.a.
F 21	21 42	19 32	4 5	12 50	2 15	17 27	4 59	29 2	5 45	22 22	0 42	7 37	2 29	17 50	0 12	19 55	1 21	10 43	15 59	15 21	15 0	19 59		n.a.
S 22	21 32	17 30	4 43	12 27	2 26	17 36	4 55	29 1	5 43	22 20	0 42	7 37	2 29	17 51	0 12	19 55	1 21	10 42	15 59	15 18	14 59	19 59		n.a.
S 23	21 22	14 20	5 0	12 5	2 37	17 44	4 52	28 59	5 42	22 17	0 42	7 38	2 30	17 51	0 12	19 56	1 21	10 42	15 58	15 15	14 57	19 59		n.a.
M24	21 11	10 20	4 58	11 44	2 48	17 53	4 48	28 57	5 40	22 15	0 42	7 39	2 30	17 52	0 12	19 56	1 21	10 41	15 58	15 11	14 56	19 59		n.a.
T 25	21 0	5 52	4 37	11 24	2 58	18 2	4 44	28 56	5 39	22 13	0 42	7 39	2 30	17 52	0 12	19 56	1 21	10 40	15 57	15 8	14 55	19 59		n.a.
W26	20 48	1 14	4 1	11 6	3 9	18 11	4 40	28 54	5 37	22 11	0 42	7 40	2 30	17 53	0 12	19 56	1 21	10 39	15 57	15 6	14 54	19 59		n.a.
T 27	20 36	3s19	3 12	10 50	3 19	18 20	4 36	28 53	5 35	22 8	0 42	7 40	2 31	17 53	0 12	19 57	1 21	10 38	15 56	15 4	14 53	19 59		n.a.
F 28	20 24	7 35	2 15	10 36	3 28	18 29	4 31	28 51	5 33	22 6	0 43	7 40	2 31	17 54	0 12	19 57	1 21	10 37	15 56	15 3	14 52	19 59		n.a.
S 29	20 12	11 23	1 13	10 24	3 38	18 38	4 27	28 50	5 31	22 4	0 43	7 41	2 31	17 54	0 12	19 57	1 21	10 36	15 55	15 3	14 51	19 59		n.a.
S 30	19 59	14 37	0 10	10 15	3 46	18 46	4 22	28 48	5 29	22 2	0 43	7 41	2 31	17 54	0 12	19 57	1 21	10 35	15 54	15 3	14 50	19 59		n.a.
M31	19n45	17s11	0n53	10n 8	3s54	18n55	4s18	28s46	5s27	21n59	0n43	7n41	2s32	17n55	0s12	19n57	1s21	10n34	15n54	15s 3	14s49	19s59		n.a.

Julian Day Number = 1633944.5, Delta T = 03h40m17s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'35, Lahiri = - 7°15'35 Julian Calendar 1 July 240 BCE == Greg. Calendar 27 June 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

AUGUST 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 22 11	3♌48'22	2♐11	23°R28	19♊ 5	20♐ 7	25♋45	25♈42	20♉37	4♊31	10♎ 3	10°R11	9♏26	18♐ 7	n.a.	T 1
W 2	20 26 8	4°46'29	13°59	23♌15	19°53	20°14	25°58	25°43	20°38	4°33	10° 4	10♏ 7	9°23	18°14	n.a.	W 2
T 3	20 30 4	5°44'37	25°50	22°55	20°42	20°23	26°11	25°44	20°40	4°34	10° 5	10° 0	9°20	18°21	n.a.	T 3
F 4	20 34 1	6°42'47	7♑47	22°28	21°32	20°32	26°24	25°45	20°41	4°35	10° 7	9°51	9°17	18°27	n.a.	F 4
S 5	20 37 57	7°40'58	19°52	21°56	22°23	20°42	26°37	25°46	20°42	4°36	10° 8	9°40	9°13	18°34	n.a.	S 5
S 6	20 41 54	8°39'11	2♒ 8	21°17	23°14	20°53	26°50	25°47	20°44	4°38	10°10	9°26	9°10	18°41	n.a.	S 6
M 7	20 45 50	9°37'27	14°35	20°33	24° 6	21° 5	27° 3	25°48	20°45	4°39	10°11	9°13	9° 7	18°47	n.a.	M 7
T 8	20 49 47	10°35'44	27°13	19°44	24°59	21°17	27°16	25°48	20°46	4°40	10°12	9° 0	9° 4	18°54	n.a.	T 8
W 9	20 53 43	11°34'03	10♓ 3	18°50	25°52	21°30	27°29	25°49	20°47	4°41	10°14	8°49	9° 1	19° 1	n.a.	W 9
T 10	20 57 40	12°32'24	23° 4	17°53	26°46	21°43	27°42	25°49	20°48	4°42	10°15	8°40	8°57	19° 7	n.a.	T 10
F 11	21 1 37	13°30'47	6♈16	16°53	27°40	21°57	27°54	25°49	20°50	4°43	10°17	8°35	8°54	19°14	n.a.	F 11
S 12	21 5 33	14°29'12	19°39	15°52	28°35	22°12	28° 7	25°49	20°51	4°44	10°19	8°32	8°51	19°21	n.a.	S 12
S 13	21 9 30	15°27'40	3♉15	14°51	29°31	22°28	28°20	25°R49	20°52	4°45	10°20	8°31	8°48	19°27	n.a.	S 13
M14	21 13 26	16°26'10	17° 5	13°52	0♋27	22°44	28°33	25°49	20°52	4°46	10°22	8°31	8°45	19°34	n.a.	M14
T 15	21 17 23	17°24'42	1♊ 8	12°55	1°24	23° 1	28°46	25°49	20°53	4°47	10°23	8°30	8°42	19°41	n.a.	T 15
W16	21 21 19	18°23'17	15°26	12° 3	2°21	23°18	28°58	25°49	20°54	4°48	10°25	8°28	8°38	19°47	n.a.	W16
T 17	21 25 16	19°21'54	29°55	11°16	3°19	23°36	29°11	25°48	20°55	4°49	10°27	8°24	8°35	19°54	n.a.	T 17
F 18	21 29 12	20°20'33	14♋32	10°36	4°17	23°55	29°24	25°48	20°56	4°50	10°28	8°17	8°32	20° 1	n.a.	F 18
S 19	21 33 9	21°19'15	29°10	10° 4	5°15	24°14	29°36	25°47	20°56	4°51	10°30	8° 7	8°29	20° 8	n.a.	S 19
S 20	21 37 6	22°17'59	13♌44	9°41	6°15	24°34	29°49	25°46	20°57	4°51	10°32	7°56	8°26	20°14	n.a.	S 20
M21	21 41 2	23°16'44	28° 4	9°27	7°14	24°54	0♌ 2	25°45	20°57	4°52	10°34	7°44	8°23	20°21	n.a.	M21
T 22	21 44 59	24°15'32	12♍ 6	9°D22	8°14	25°15	0°14	25°44	20°58	4°53	10°36	7°34	8°19	20°28	n.a.	T 22
W23	21 48 55	25°14'22	25°45	9°28	9°14	25°36	0°27	25°43	20°58	4°53	10°37	7°26	8°16	20°34	n.a.	W23
T 24	21 52 52	26°13'14	8♎59	9°43	10°15	25°58	0°39	25°42	20°59	4°54	10°39	7°20	8°13	20°41	n.a.	T 24
F 25	21 56 48	27°12'07	21°48	10° 8	11°16	26°21	0°51	25°41	20°59	4°55	10°41	7°17	8°10	20°48	n.a.	F 25
S 26	22 0 45	28°11'03	4♏16	10°42	12°17	26°44	1° 4	25°39	20°59	4°55	10°43	7°D16	8° 7	20°54	n.a.	S 26
S 27	22 4 41	29°10'00	16°27	11°25	13°19	27° 7	1°16	25°38	21° 0	4°56	10°45	7°16	8° 3	21° 1	n.a.	S 27
M28	22 8 38	0♍ 9'00	28°25	12°17	14°21	27°31	1°28	25°36	21° 0	4°56	10°47	7°R16	8° 0	21° 8	n.a.	M28
T 29	22 12 34	1° 8'01	10♐16	13°16	15°24	27°56	1°41	25°35	21° 0	4°57	10°49	7°16	7°57	21°14	n.a.	T 29
W30	22 16 31	2° 7'04	22° 6	14°22	16°26	28°21	1°53	25°33	21° 0	4°57	10°51	7°14	7°54	21°21	n.a.	W30
T 31	22 20 28	3♍ 6'09	3♑59	15♌35	17♋30	28♐46	2♌ 5	25♈31	21°R 0	4♊58	10♎53	7♏ 9	7♏51	21♐28	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	19n32	18s59	1n54	10n 4	4s 1	19n 4	4s13	28s45	5s25	21n57	0n43	7n42	2s32	17n55	0s12	19n58	1s21	10n33	15n53	15s 3	14s48	19s59			n.a.
W 2	19 18	19 57	2 49	10 2	4 7	19 12	4 8	28 43	5 23	21 54	0 43	7 42	2 32	17 56	0 12	19 58	1 22	10 32	15 53	15 1	14 47	19 58			n.a.
T 3	19 3	20 3	3 36	10 4	4 13	19 20	4 4	28 42	5 20	21 52	0 43	7 42	2 32	17 56	0 12	19 58	1 22	10 31	15 52	14 59	14 46	19 58			n.a.
F 4	18 49	19 15	4 15	10 9	4 17	19 29	3 59	28 40	5 18	21 50	0 43	7 42	2 33	17 57	0 12	19 58	1 22	10 30	15 52	14 56	14 45	19 58			n.a.
S 5	18 34	17 34	4 43	10 17	4 19	19 37	3 54	28 38	5 16	21 47	0 43	7 42	2 33	17 57	0 12	19 58	1 22	10 29	15 51	14 53	14 44	19 58			n.a.
S 6	18 19	15 5	4 58	10 28	4 20	19 44	3 49	28 37	5 13	21 45	0 43	7 42	2 33	17 57	0 12	19 59	1 22	10 28	15 51	14 48	14 43	19 58			n.a.
M 7	18 3	11 53	4 59	10 43	4 20	19 52	3 44	28 35	5 11	21 42	0 44	7 42	2 33	17 58	0 12	19 59	1 22	10 27	15 50	14 44	14 42	19 58			n.a.
T 8	17 47	8 7	4 45	11 0	4 17	19 59	3 39	28 34	5 9	21 40	0 44	7 42	2 34	17 58	0 12	19 59	1 22	10 26	15 50	14 40	14 41	19 58			n.a.
W 9	17 31	3 55	4 17	11 21	4 13	20 6	3 33	28 32	5 6	21 38	0 44	7 42	2 34	17 58	0 12	19 59	1 22	10 25	15 49	14 36	14 40	19 58			n.a.
T 10	17 15	0n30	3 36	11 45	4 6	20 13	3 28	28 31	5 4	21 35	0 44	7 42	2 34	17 58	0 12	19 59	1 22	10 24	15 49	14 34	14 39	19 57			n.a.
F 11	16 58	4 59	2 42	12 11	3 58	20 19	3 23	28 29	5 1	21 33	0 44	7 42	2 34	17 59	0 12	20 0	1 22	10 23	15 48	14 32	14 38	19 57			n.a.
S 12	16 41	9 17	1 38	12 39	3 48	20 25	3 18	28 27	4 59	21 30	0 44	7 42	2 35	17 59	0 12	20 0	1 22	10 22	15 48	14 31	14 37	19 57			n.a.
S 13	16 23	13 11	0 28	13 8	3 36	20 31	3 12	28 26	4 56	21 28	0 44	7 41	2 35	17 59	0 12	20 0	1 22	10 21	15 47	14 31	14 36	19 57			n.a.
M14	16 6	16 25	0s45	13 39	3 22	20 36	3 7	28 24	4 53	21 25	0 44	7 41	2 35	18 0	0 12	20 0	1 22	10 20	15 47	14 31	14 35	19 57			n.a.
T 15	15 48	18 44	1 57	14 10	3 6	20 41	3 2	28 22	4 51	21 22	0 44	7 41	2 35	18 0	0 12	20 0	1 22	10 19	15 46	14 30	14 34	19 57			n.a.
W16	15 30	19 54	3 2	14 40	2 49	20 46	2 56	28 21	4 48	21 20	0 45	7 41	2 36	18 0	0 12	20 0	1 22	10 18	15 46	14 30	14 33	19 57			n.a.
T 17	15 11	19 47	3 57	15 10	2 32	20 50	2 51	28 19	4 46	21 17	0 45	7 40	2 36	18 0	0 12	20 0	1 22	10 17	15 46	14 28	14 32	19 56			n.a.
F 18	14 53	18 21	4 36	15 39	2 13	20 54	2 46	28 17	4 43	21 15	0 45	7 40	2 36	18 0	0 12	20 0	1 22	10 16	15 45	14 26	14 31	19 56			n.a.
S 19	14 34	15 43	4 58	16 7	1 54	20 57	2 40	28 16	4 40	21 12	0 45	7 39	2 36	18 1	0 12	20 1	1 22	10 15	15 45	14 23	14 30	19 56			n.a.
S 20	14 15	12 7	5 0	16 32	1 34	21 0	2 35	28 14	4 38	21 10	0 45	7 39	2 37	18 1	0 12	20 1	1 22	10 14	15 44	14 19	14 29	19 56			n.a.
M21	13 55	7 52	4 43	16 54	1 15	21 2	2 29	28 12	4 35	21 7	0 45	7 38	2 37	18 1	0 12	20 1	1 22	10 12	15 44	14 15	14 28	19 56			n.a.
T 22	13 35	3 16	4 9	17 13	0 56	21 4	2 24	28 10	4 32	21 5	0 45	7 38	2 37	18 1	0 12	20 1	1 22	10 11	15 43	14 12	14 27	19 56			n.a.
W23	13 16	1s22	3 22	17 30	0 37	21 6	2 18	28 8	4 30	21 2	0 45	7 37	2 37	18 1	0 12	20 1	1 22	10 10	15 43	14 9	14 26	19 55			n.a.
T 24	12 56	5 48	2 24	17 43	0 19	21 7	2 13	28 6	4 27	20 59	0 45	7 36	2 37	18 1	0 12	20 1	1 22	10 9	15 43	14 7	14 25	19 55			n.a.
F 25	12 35	9 51	1 21	17 53	0 2	21 7	2 8	28 4	4 24	20 57	0 46	7 36	2 38	18 1	0 12	20 1	1 22	10 8	15 42	14 6	14 24	19 55			n.a.
S 26	12 15	13 21	0 16	17 58	0n13	21 7	2 2	28 2	4 22	20 54	0 46	7 35	2 38	18 1	0 12	20 1	1 22	10 7	15 42	14 6	14 23	19 55			n.a.
S 27	11 54	16 10	0n49	18 1	0 28	21 7	1 57	28 0	4 19	20 52	0 46	7 34	2 38	18 1	0 12	20 1	1 22	10 6	15 41	14 6	14 22	19 55			n.a.
M28	11 33	18 15	1 50	17 59	0 42	21 6	1 51	27 58	4 16	20 49	0 46	7 33	2 38	18 2	0 12	20 1	1 22	10 5	15 41	14 6	14 21	19 54			n.a.
T 29	11 12	19 30	2 46	17 54	0 54	21 4	1 46	27 56	4 14	20 46	0 46	7 33	2 39	18 2	0 12	20 1	1 22	10 4	15 41	14 6	14 19	19 54			n.a.
W30	10 51	19 54	3 35	17 45	1 6	21 2	1 41	27 54	4 11	20 44	0 46	7 32	2 39	18 2	0 12	20 1	1 22	10 3	15 40	14 5	14 18	19 54			n.a.
T 31	10n29	19s25	4n15	17n33	1n16	20n59	1s35	27s51	4s 8	20n41	0n46	7n31	2s39	18n 2	0s12	20n 1	1s23	10n 1	15n40	14s 4	14s17	19s54			n.a.

Julian Day Number = 1633975.5, Delta T = 03h40m16s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'31, Lahiri = - 7°15'30 Julian Calendar 1 Aug. 240 BCE == Greg. Calendar 28 July 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

SEPTEMBER 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 24 24	4♍ 5'16	16♉ 0	16♌53	18♋33	29♐12	2♌17	25°R29	21°R 0	4♊58	10♎55	7°R 3	7♏48	21♐34	n.a.	F 1
S 2	22 28 21	5° 4'25	28°12	18°17	19°37	29°38	2°29	25♈27	21♉ 0	4°58	10°57	6♏54	7°44	21°41	n.a.	S 2
S 3	22 32 17	6° 3'36	10♒38	19°45	20°41	0♉ 5	2°41	25°24	21° 0	4°59	10°59	6°43	7°41	21°48	n.a.	S 3
M 4	22 36 14	7° 2'49	23°19	21°16	21°45	0°32	2°53	25°22	21° 0	4°59	11° 1	6°32	7°38	21°54	n.a.	M 4
T 5	22 40 10	8° 2'03	6♓16	22°51	22°50	0°59	3° 5	25°20	21° 0	4°59	11° 3	6°22	7°35	22° 1	n.a.	T 5
W 6	22 44 7	9° 1'20	19°26	24°28	23°55	1°27	3°16	25°17	20°59	4°59	11° 6	6°13	7°32	22° 8	n.a.	W 6
T 7	22 48 3	10° 0'40	2♈49	26° 7	25° 0	1°55	3°28	25°14	20°59	5° 0	11° 8	6° 6	7°28	22°14	n.a.	T 7
F 8	22 52 0	11° 0'01	16°24	27°48	26° 5	2°23	3°40	25°12	20°59	5° 0	11°10	6° 2	7°25	22°21	n.a.	F 8
S 9	22 55 57	11°59'25	0♉ 7	29°30	27°11	2°52	3°51	25° 9	20°58	5° 0	11°12	6°D 0	7°22	22°28	n.a.	S 9
S 10	22 59 53	12°58'51	13°58	1♍13	28°17	3°21	4° 3	25° 6	20°58	5° 0	11°14	6° 0	7°19	22°35	n.a.	S 10
M11	23 3 50	13°58'20	27°56	2°57	29°23	3°51	4°14	25° 3	20°57	5° 0	11°16	6° 1	7°16	22°41	n.a.	M11
T 12	23 7 46	14°57'51	12♊ 0	4°42	0♌30	4°21	4°26	25° 0	20°57	5°R 0	11°19	6°R 2	7°13	22°48	n.a.	T 12
W13	23 11 43	15°57'24	26° 9	6°26	1°36	4°51	4°37	24°57	20°56	5° 0	11°21	6° 1	7° 9	22°55	n.a.	W13
T 14	23 15 39	16°57'01	10♋22	8°11	2°43	5°21	4°48	24°53	20°55	5° 0	11°23	5°59	7° 6	23° 1	n.a.	T 14
F 15	23 19 36	17°56'39	24°36	9°56	3°50	5°52	5° 0	24°50	20°55	5° 0	11°25	5°55	7° 3	23° 8	n.a.	F 15
S 16	23 23 32	18°56'20	8♌48	11°40	4°58	6°23	5°11	24°47	20°54	5° 0	11°28	5°48	7° 0	23°15	n.a.	S 16
S 17	23 27 29	19°56'03	22°54	13°24	6° 5	6°54	5°22	24°43	20°53	5° 0	11°30	5°41	6°57	23°21	n.a.	S 17
M18	23 31 25	20°55'48	6♍49	15° 8	7°13	7°26	5°33	24°39	20°52	4°59	11°32	5°33	6°54	23°28	n.a.	M18
T 19	23 35 22	21°55'35	20°30	16°51	8°21	7°58	5°44	24°36	20°51	4°59	11°35	5°26	6°50	23°35	n.a.	T 19
W20	23 39 19	22°55'25	3♎52	18°34	9°29	8°30	5°54	24°32	20°50	4°59	11°37	5°21	6°47	23°41	n.a.	W20
T 21	23 43 15	23°55'16	16°56	20°17	10°38	9° 3	6° 5	24°28	20°49	4°59	11°39	5°17	6°44	23°48	n.a.	T 21
F 22	23 47 12	24°55'10	29°39	21°59	11°46	9°35	6°16	24°24	20°48	4°58	11°42	5°D15	6°41	23°55	n.a.	F 22
S 23	23 51 8	25°55'05	12♏ 5	23°40	12°55	10° 8	6°26	24°20	20°47	4°58	11°44	5°15	6°38	24° 1	n.a.	S 23
S 24	23 55 5	26°55'02	24°15	25°21	14° 4	10°42	6°37	24°16	20°46	4°58	11°46	5°17	6°34	24° 8	n.a.	S 24
M25	23 59 1	27°55'01	6♐14	27° 1	15°13	11°15	6°47	24°12	20°44	4°57	11°49	5°18	6°31	24°15	n.a.	M25
T 26	0 2 58	28°55'02	18° 6	28°41	16°22	11°49	6°57	24° 8	20°43	4°57	11°51	5°20	6°28	24°22	n.a.	T 26
W27	0 6 54	29°55'05	29°57	0♎20	17°32	12°23	7° 8	24° 4	20°42	4°56	11°54	5°R20	6°25	24°28	n.a.	W27
T 28	0 10 51	0♎55'09	11♉50	1°59	18°42	12°57	7°18	23°59	20°41	4°56	11°56	5°20	6°22	24°35	n.a.	T 28
F 29	0 14 48	1°55'15	23°52	3°37	19°51	13°31	7°28	23°55	20°39	4°55	11°58	5°17	6°19	24°42	n.a.	F 29
S 30	0 18 44	2♎55'23	6♒ 7	5♎15	21♌ 1	14♉ 6	7♌37	23♈51	20♉38	4♊55	12♎ 1	5♏14	6♏15	24♐48	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n 8	18s 3	4n44	17n18	1n24	20n56	1s30	27s49	4s 6	20n38	0n47	7n30	2s39	18n 2	0s12	20n 1	1s23	10n 0	15n40	14s 2	14s16	19s54		n.a.
S 2	9 46	15 51	5 1	16 59	1 32	20 52	1 25	27 46	4 3	20 36	0 47	7 29	2 39	18 2	0 12	20 2	1 23	9 59	15 39	13 59	14 15	19 53		n.a.
S 3	9 24	12 55	5 3	16 37	1 38	20 48	1 20	27 44	4 0	20 33	0 47	7 28	2 40	18 2	0 12	20 2	1 23	9 58	15 39	13 55	14 14	19 53		n.a.
M 4	9 2	9 19	4 51	16 13	1 44	20 43	1 14	27 41	3 58	20 31	0 47	7 27	2 40	18 1	0 12	20 2	1 23	9 57	15 39	13 51	14 13	19 53		n.a.
T 5	8 39	5 14	4 24	15 46	1 48	20 38	1 9	27 38	3 55	20 28	0 47	7 26	2 40	18 1	0 12	20 2	1 23	9 56	15 38	13 48	14 12	19 53		n.a.
W 6	8 17	0 49	3 43	15 16	1 51	20 32	1 4	27 35	3 52	20 25	0 47	7 25	2 40	18 1	0 12	20 2	1 23	9 55	15 38	13 45	14 11	19 52		n.a.
T 7	7 54	3n42	2 48	14 44	1 53	20 25	0 59	27 32	3 50	20 23	0 47	7 23	2 40	18 1	0 12	20 2	1 23	9 54	15 38	13 43	14 10	19 52		n.a.
F 8	7 32	8 6	1 43	14 10	1 55	20 18	0 54	27 29	3 47	20 20	0 48	7 22	2 41	18 1	0 12	20 2	1 23	9 53	15 37	13 41	14 9	19 52		n.a.
S 9	7 9	12 8	0 32	13 35	1 55	20 10	0 49	27 26	3 45	20 17	0 48	7 21	2 41	18 1	0 12	20 2	1 23	9 51	15 37	13 41	14 8	19 52		n.a.
S 10	6 46	15 32	0s43	12 58	1 55	20 2	0 44	27 23	3 42	20 15	0 48	7 20	2 41	18 1	0 12	20 1	1 23	9 50	15 37	13 41	14 7	19 51		n.a.
M11	6 23	18 4	1 55	12 19	1 55	19 53	0 39	27 19	3 39	20 12	0 48	7 19	2 41	18 1	0 12	20 1	1 23	9 49	15 36	13 41	14 6	19 51		n.a.
T 12	5 59	19 30	3 1	11 39	1 53	19 43	0 34	27 16	3 37	20 10	0 48	7 17	2 41	18 1	0 12	20 1	1 23	9 48	15 36	13 41	14 5	19 51		n.a.
W13	5 36	19 43	3 57	10 58	1 51	19 33	0 30	27 12	3 34	20 7	0 48	7 16	2 42	18 0	0 12	20 1	1 23	9 47	15 36	13 41	14 4	19 51		n.a.
T 14	5 13	18 42	4 38	10 17	1 49	19 23	0 25	27 8	3 32	20 4	0 49	7 15	2 42	18 0	0 12	20 1	1 23	9 46	15 36	13 40	14 3	19 50		n.a.
F 15	4 49	16 30	5 2	9 34	1 46	19 12	0 20	27 5	3 29	20 2	0 49	7 13	2 42	18 0	0 12	20 1	1 23	9 45	15 35	13 39	14 2	19 50		n.a.
S 16	4 26	13 20	5 7	8 51	1 42	19 0	0 16	27 1	3 27	19 59	0 49	7 12	2 42	18 0	0 12	20 1	1 23	9 44	15 35	13 37	14 1	19 50		n.a.
S 17	4 2	9 25	4 54	8 7	1 38	18 48	0 11	26 56	3 24	19 57	0 49	7 10	2 42	18 0	0 12	20 1	1 23	9 43	15 35	13 34	14 0	19 50		n.a.
M18	3 38	5 2	4 24	7 22	1 34	18 35	0 6	26 52	3 22	19 54	0 49	7 9	2 42	17 59	0 12	20 1	1 23	9 41	15 35	13 32	13 59	19 49		n.a.
T 19	3 14	0 28	3 38	6 37	1 30	18 21	0 2	26 48	3 19	19 52	0 49	7 7	2 42	17 59	0 12	20 1	1 23	9 40	15 34	13 29	13 57	19 49		n.a.
W20	2 50	4s 2	2 42	5 52	1 25	18 7	0n 2	26 43	3 17	19 49	0 50	7 6	2 43	17 59	0 12	20 1	1 23	9 39	15 34	13 27	13 56	19 49		n.a.
T 21	2 26	8 14	1 38	5 7	1 20	17 53	0 7	26 39	3 14	19 47	0 50	7 4	2 43	17 59	0 12	20 1	1 23	9 38	15 34	13 26	13 55	19 48		n.a.
F 22	2 3	11 57	0 30	4 21	1 14	17 38	0 11	26 34	3 12	19 44	0 50	7 3	2 43	17 58	0 12	20 1	1 23	9 37	15 34	13 26	13 54	19 48		n.a.
S 23	1 38	15 3	0n37	3 36	1 9	17 22	0 15	26 29	3 10	19 42	0 50	7 1	2 43	17 58	0 12	20 1	1 23	9 36	15 34	13 26	13 53	19 48		n.a.
S 24	1 14	17 25	1 42	2 50	1 3	17 6	0 19	26 24	3 7	19 39	0 50	7 0	2 43	17 58	0 12	20 1	1 23	9 35	15 33	13 26	13 52	19 48		n.a.
M25	0 50	18 58	2 41	2 4	0 57	16 50	0 23	26 18	3 5	19 37	0 51	6 58	2 43	17 57	0 12	20 0	1 23	9 34	15 33	13 27	13 51	19 47		n.a.
T 26	0 26	19 39	3 33	1 19	0 51	16 33	0 27	26 13	3 2	19 34	0 51	6 56	2 43	17 57	0 12	20 0	1 24	9 33	15 33	13 27	13 50	19 47		n.a.
W27	0 2	19 28	4 15	0 33	0 45	16 15	0 31	26 8	3 0	19 32	0 51	6 55	2 43	17 57	0 12	20 0	1 24	9 32	15 33	13 27	13 49	19 47		n.a.
T 28	0s22	18 26	4 47	0s12	0 39	15 57	0 35	26 2	2 58	19 29	0 51	6 53	2 44	17 56	0 12	20 0	1 24	9 31	15 33	13 27	13 48	19 46		n.a.
F 29	0 46	16 33	5 6	0 58	0 32	15 38	0 38	25 56	2 55	19 27	0 51	6 51	2 44	17 56	0 12	20 0	1 24	9 30	15 33	13 26	13 47	19 46		n.a.
S 30	1s11	13s55	5n12	1s43	0n26	15n19	0n42	25s50	2s53	19n25	0n52	6n50	2s44	17n56	0s12	20n 0	1s24	9n29	15n33	13s25	13s46	19s46		n.a.

Julian Day Number = 1634006.5, Delta T = 03h40m15s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'27, Lahiri = - 7°15'26 Julian Calendar 1 Sept. 240 BCE == Greg. Calendar 28 Aug. 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

OCTOBER 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 22 41	3♎55'32	18♒37	6♎52	22♌11	14♉40	7♌47	23°R46	20°R36	4°R54	12♎ 3	5°R 9	6♏12	24♐55	n.a.	S 1
M 2	0 26 37	4°55'43	1♓27	8°29	23°21	15°15	7°57	23♈42	20♉35	4♊53	12° 6	5♏ 4	6° 9	25° 2	n.a.	M 2
T 3	0 30 34	5°55'56	14°36	10° 5	24°32	15°50	8° 7	23°37	20°33	4°53	12° 8	4°59	6° 6	25° 8	n.a.	T 3
W 4	0 34 30	6°56'11	28° 5	11°41	25°42	16°26	8°16	23°33	20°31	4°52	12°10	4°55	6° 3	25°15	n.a.	W 4
T 5	0 38 27	7°56'27	11♈51	13°16	26°53	17° 1	8°25	23°28	20°30	4°51	12°13	4°52	5°59	25°22	n.a.	T 5
F 6	0 42 23	8°56'45	25°52	14°51	28° 4	17°37	8°35	23°23	20°28	4°50	12°15	4°50	5°56	25°28	n.a.	F 6
S 7	0 46 20	9°57'05	10♉ 3	16°26	29°15	18°13	8°44	23°19	20°26	4°50	12°18	4°D50	5°53	25°35	n.a.	S 7
S 8	0 50 16	10°57'28	24°20	18° 0	0♍26	18°49	8°53	23°14	20°25	4°49	12°20	4°51	5°50	25°42	n.a.	S 8
M 9	0 54 13	11°57'52	8♊39	19°34	1°37	19°25	9° 2	23° 9	20°23	4°48	12°23	4°52	5°47	25°48	n.a.	M 9
T 10	0 58 10	12°58'18	22°57	21° 7	2°48	20° 1	9°11	23° 4	20°21	4°47	12°25	4°54	5°44	25°55	n.a.	T 10
W11	1 2 6	13°58'47	7♋11	22°40	4° 0	20°37	9°19	22°59	20°19	4°46	12°28	4°55	5°40	26° 2	n.a.	W11
T 12	1 6 3	14°59'17	21°19	24°13	5°11	21°14	9°28	22°54	20°17	4°45	12°30	4°R55	5°37	26° 9	n.a.	T 12
F 13	1 9 59	15°59'49	5♌19	25°46	6°23	21°51	9°36	22°50	20°15	4°44	12°32	4°54	5°34	26°15	n.a.	F 13
S 14	1 13 56	17° 0'24	19° 9	27°18	7°35	22°28	9°45	22°45	20°13	4°43	12°35	4°52	5°31	26°22	n.a.	S 14
S 15	1 17 52	18° 1'00	2♍48	28°50	8°47	23° 5	9°53	22°40	20°11	4°42	12°37	4°50	5°28	26°29	n.a.	S 15
M16	1 21 49	19° 1'38	16°15	0♏21	9°59	23°42	10° 1	22°35	20° 9	4°41	12°40	4°47	5°25	26°35	n.a.	M16
T 17	1 25 45	20° 2'18	29°29	1°53	11°11	24°19	10° 9	22°30	20° 7	4°40	12°42	4°45	5°21	26°42	n.a.	T 17
W18	1 29 42	21° 2'59	12♎29	3°24	12°23	24°56	10°17	22°25	20° 5	4°39	12°45	4°44	5°18	26°49	n.a.	W18
T 19	1 33 39	22° 3'42	25°15	4°54	13°35	25°34	10°24	22°20	20° 3	4°38	12°47	4°43	5°15	26°55	n.a.	T 19
F 20	1 37 35	23° 4'26	7♏46	6°25	14°48	26°11	10°32	22°15	20° 1	4°36	12°49	4°D43	5°12	27° 2	n.a.	F 20
S 21	1 41 32	24° 5'12	20° 4	7°55	16° 0	26°49	10°39	22°10	19°58	4°35	12°52	4°43	5° 9	27° 9	n.a.	S 21
S 22	1 45 28	25° 6'00	2♐11	9°25	17°13	27°27	10°47	22° 5	19°56	4°34	12°54	4°44	5° 5	27°15	n.a.	S 22
M23	1 49 25	26° 6'48	14° 8	10°54	18°26	28° 5	10°54	22° 0	19°54	4°33	12°57	4°45	5° 2	27°22	n.a.	M23
T 24	1 53 21	27° 7'38	26° 0	12°23	19°38	28°43	11° 1	21°55	19°52	4°32	12°59	4°46	4°59	27°29	n.a.	T 24
W25	1 57 18	28° 8'29	7♑50	13°52	20°51	29°21	11° 8	21°50	19°49	4°30	13° 1	4°46	4°56	27°36	n.a.	W25
T 26	2 1 14	29° 9'21	19°42	15°20	22° 4	29°59	11°14	21°46	19°47	4°29	13° 4	4°47	4°53	27°42	n.a.	T 26
F 27	2 5 11	0♏10'14	1♒42	16°48	23°17	0♒38	11°21	21°41	19°45	4°28	13° 6	4°R47	4°50	27°49	n.a.	F 27
S 28	2 9 8	1°11'08	13°54	18°15	24°30	1°16	11°27	21°36	19°42	4°26	13° 8	4°47	4°46	27°56	n.a.	S 28
S 29	2 13 4	2°12'03	26°22	19°41	25°43	1°55	11°34	21°31	19°40	4°25	13°11	4°46	4°43	28° 2	n.a.	S 29
M30	2 17 1	3°12'59	9♓11	21° 7	26°56	2°34	11°40	21°26	19°37	4°24	13°13	4°46	4°40	28° 9	n.a.	M30
T 31	2 20 57	4♏13'55	22♓23	22♏31	28♍10	3♒12	11♌46	21♈21	19♉35	4♊22	13♎15	4♏46	4♏37	28♐16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	1s35	10s36	5n 4	2s28	0n20	15n 0	0n46	25s44	2s51	19n22	0n52	6n48	2s44	17n55	0s12	20n 0	1s24	9n28	15n32	13s24	13s45	19s45			n.a.
M 2	1 59	6 44	4 40	3 12	0 13	14 40	0 49	25 38	2 48	19 20	0 52	6 46	2 44	17 55	0 12	19 59	1 24	9 27	15 32	13 22	13 44	19 45			n.a.
T 3	2 23	2 26	4 1	3 56	0 6	14 19	0 52	25 31	2 46	19 18	0 52	6 44	2 44	17 54	0 12	19 59	1 24	9 26	15 32	13 20	13 43	19 45			n.a.
W 4	2 47	2n 6	3 8	4 40	0s 0	13 58	0 56	25 25	2 44	19 15	0 52	6 43	2 44	17 54	0 12	19 59	1 24	9 25	15 32	13 19	13 42	19 44			n.a.
T 5	3 11	6 37	2 3	5 24	0 7	13 37	0 59	25 18	2 42	19 13	0 53	6 41	2 44	17 53	0 12	19 59	1 24	9 24	15 32	13 18	13 41	19 44			n.a.
F 6	3 35	10 52	0 49	6 7	0 13	13 15	1 2	25 11	2 39	19 11	0 53	6 39	2 44	17 53	0 12	19 59	1 24	9 23	15 32	13 17	13 39	19 44			n.a.
S 7	3 59	14 33	0s29	6 50	0 20	12 53	1 5	25 4	2 37	19 8	0 53	6 37	2 44	17 53	0 12	19 59	1 24	9 22	15 32	13 17	13 38	19 43			n.a.
S 8	4 23	17 23	1 45	7 33	0 27	12 31	1 8	24 57	2 35	19 6	0 53	6 35	2 44	17 52	0 12	19 58	1 24	9 21	15 32	13 17	13 37	19 43			n.a.
M 9	4 47	19 7	2 56	8 15	0 33	12 8	1 11	24 49	2 33	19 4	0 53	6 34	2 44	17 52	0 12	19 58	1 24	9 20	15 32	13 18	13 36	19 43			n.a.
T 10	5 11	19 37	3 55	8 57	0 40	11 44	1 14	24 42	2 31	19 2	0 54	6 32	2 44	17 51	0 12	19 58	1 24	9 19	15 32	13 18	13 35	19 42			n.a.
W11	5 35	18 52	4 40	9 38	0 46	11 20	1 16	24 34	2 29	19 0	0 54	6 30	2 44	17 51	0 12	19 58	1 24	9 18	15 32	13 19	13 34	19 42			n.a.
T 12	5 58	16 58	5 7	10 18	0 52	10 56	1 19	24 26	2 26	18 58	0 54	6 28	2 44	17 50	0 12	19 58	1 24	9 17	15 32	13 19	13 33	19 41			n.a.
F 13	6 22	14 4	5 16	10 59	0 59	10 32	1 21	24 18	2 24	18 56	0 54	6 26	2 44	17 50	0 12	19 57	1 24	9 16	15 32	13 18	13 32	19 41			n.a.
S 14	6 45	10 25	5 6	11 38	1 5	10 7	1 24	24 10	2 22	18 54	0 54	6 25	2 44	17 49	0 12	19 57	1 24	9 15	15 32	13 18	13 31	19 41			n.a.
S 15	7 9	6 16	4 39	12 17	1 11	9 42	1 26	24 1	2 20	18 52	0 55	6 23	2 44	17 48	0 12	19 57	1 24	9 14	15 32	13 17	13 30	19 40			n.a.
M16	7 32	1 51	3 57	12 55	1 17	9 17	1 28	23 53	2 18	18 50	0 55	6 21	2 44	17 48	0 12	19 57	1 24	9 13	15 32	13 16	13 29	19 40			n.a.
T 17	7 55	2s35	3 3	13 33	1 22	8 51	1 30	23 44	2 16	18 48	0 55	6 19	2 44	17 47	0 12	19 57	1 24	9 12	15 32	13 15	13 28	19 40			n.a.
W18	8 18	6 50	2 0	14 10	1 28	8 25	1 32	23 35	2 14	18 46	0 55	6 17	2 44	17 47	0 12	19 56	1 24	9 11	15 32	13 15	13 27	19 39			n.a.
T 19	8 41	10 41	0 52	14 47	1 34	7 58	1 34	23 26	2 12	18 44	0 56	6 15	2 44	17 46	0 12	19 56	1 24	9 10	15 32	13 15	13 26	19 39			n.a.
F 20	9 4	14 0	0n17	15 22	1 39	7 32	1 36	23 17	2 10	18 42	0 56	6 14	2 44	17 46	0 12	19 56	1 24	9 9	15 32	13 15	13 24	19 38			n.a.
S 21	9 27	16 37	1 24	15 57	1 44	7 5	1 38	23 8	2 8	18 40	0 56	6 12	2 44	17 45	0 12	19 56	1 24	9 9	15 32	13 15	13 23	19 38			n.a.
S 22	9 50	18 27	2 27	16 31	1 49	6 38	1 40	22 58	2 6	18 38	0 56	6 10	2 44	17 44	0 12	19 55	1 24	9 8	15 32	13 15	13 22	19 38			n.a.
M23	10 12	19 26	3 22	17 4	1 54	6 11	1 41	22 49	2 4	18 37	0 57	6 8	2 44	17 44	0 12	19 55	1 24	9 7	15 32	13 15	13 21	19 37			n.a.
T 24	10 34	19 32	4 8	17 36	1 58	5 43	1 43	22 39	2 2	18 35	0 57	6 6	2 44	17 43	0 12	19 55	1 24	9 6	15 32	13 16	13 20	19 37			n.a.
W25	10 56	18 46	4 43	18 8	2 2	5 15	1 44	22 29	2 0	18 33	0 57	6 5	2 44	17 43	0 12	19 55	1 24	9 5	15 32	13 16	13 19	19 36			n.a.
T 26	11 18	17 12	5 7	18 38	2 6	4 47	1 45	22 19	1 58	18 32	0 57	6 3	2 44	17 42	0 12	19 54	1 24	9 4	15 32	13 16	13 18	19 36			n.a.
F 27	11 40	14 52	5 17	19 7	2 10	4 19	1 46	22 8	1 56	18 30	0 58	6 1	2 44	17 41	0 12	19 54	1 24	9 4	15 33	13 16	13 17	19 36			n.a.
S 28	12 1	11 51	5 14	19 35	2 13	3 51	1 47	21 58	1 54	18 28	0 58	5 59	2 44	17 41	0 12	19 54	1 24	9 3	15 33	13 16	13 16	19 35			n.a.
S 29	12 23	8 15	4 55	20 2	2 16	3 23	1 48	21 47	1 52	18 27	0 58	5 58	2 43	17 40	0 12	19 54	1 24	9 2	15 33	13 16	13 15	19 35			n.a.
M30	12 44	4 10	4 22	20 28	2 18	2 54	1 49	21 37	1 50	18 25	0 58	5 56	2 43	17 39	0 12	19 53	1 24	9 1	15 33	13 16	13 14	19 34			n.a.
T 31	13s 5	0n13	3n34	20s53	2s21	2n25	1n50	21s26	1s49	18n24	0n59	5n54	2s43	17n39	0s12	19n53	1s24	9n 0	15n33	13s16	13s13	19s34			n.a.

Julian Day Number = 1634036.5, Delta T = 03h40m14s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'22, Lahiri = - 7°15'22 Julian Calendar 1 Oct. 240 BCE == Greg. Calendar 27 Sept. 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

NOVEMBER 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 24 54	5♏14'53	5♈59	23♏55	29♍23	3♒51	11♌51	21°R17	19°R33	4°R21	13♎18	4°D46	4♏34	28♐22	n.a.	W 1
T 2	2 28 50	6°15'52	19°59	25°18	0♎36	4°30	11°57	21♈12	19♉30	4♊19	13°20	4♏46	4°31	28°29	n.a.	T 2
F 3	2 32 47	7°16'51	4♉21	26°39	1°50	5° 9	12° 2	21° 7	19°28	4°18	13°22	4°R46	4°27	28°36	n.a.	F 3
S 4	2 36 43	8°17'52	18°58	27°58	3° 3	5°48	12° 8	21° 3	19°25	4°16	13°25	4°46	4°24	28°43	n.a.	S 4
S 5	2 40 40	9°18'54	3♊44	29°16	4°17	6°27	12°13	20°58	19°23	4°15	13°27	4°46	4°21	28°49	n.a.	S 5
M 6	2 44 37	10°19'57	18°32	0♐32	5°31	7° 6	12°18	20°54	19°20	4°13	13°29	4°45	4°18	28°56	n.a.	M 6
T 7	2 48 33	11°21'01	3♋16	1°45	6°44	7°45	12°23	20°49	19°18	4°12	13°31	4°45	4°15	29° 3	n.a.	T 7
W 8	2 52 30	12°22'06	17°48	2°56	7°58	8°25	12°27	20°45	19°15	4°10	13°34	4°44	4°11	29° 9	n.a.	W 8
T 9	2 56 26	13°23'13	2♌ 4	4° 3	9°12	9° 4	12°32	20°40	19°13	4° 9	13°36	4°43	4° 8	29°16	n.a.	T 9
F 10	3 0 23	14°24'20	16° 3	5° 7	10°26	9°43	12°36	20°36	19°10	4° 7	13°38	4°D43	4° 5	29°23	n.a.	F 10
S 11	3 4 19	15°25'29	29°44	6° 6	11°40	10°23	12°40	20°32	19° 7	4° 5	13°40	4°43	4° 2	29°29	n.a.	S 11
S 12	3 8 16	16°26'38	13♍ 6	7° 0	12°54	11° 2	12°44	20°28	19° 5	4° 4	13°42	4°44	3°59	29°36	n.a.	S 12
M13	3 12 12	17°27'49	26°12	7°49	14° 8	11°42	12°48	20°23	19° 2	4° 2	13°44	4°45	3°56	29°43	n.a.	M13
T 14	3 16 9	18°29'00	9♎ 3	8°31	15°22	12°21	12°52	20°19	19° 0	4° 1	13°46	4°47	3°52	29°50	n.a.	T 14
W15	3 20 6	19°30'12	21°40	9° 6	16°36	13° 1	12°55	20°15	18°57	3°59	13°49	4°48	3°49	29°56	n.a.	W15
T 16	3 24 2	20°31'25	4♏ 6	9°33	17°50	13°41	12°58	20°11	18°55	3°57	13°51	4°R48	3°46	0♑ 3	n.a.	T 16
F 17	3 27 59	21°32'39	16°22	9°51	19° 5	14°21	13° 2	20° 8	18°52	3°56	13°53	4°48	3°43	0°10	n.a.	F 17
S 18	3 31 55	22°33'53	28°29	9°R59	20°19	15° 0	13° 4	20° 4	18°50	3°54	13°55	4°46	3°40	0°16	n.a.	S 18
S 19	3 35 52	23°35'08	10♐29	9°56	21°33	15°40	13° 7	20° 0	18°47	3°52	13°57	4°44	3°36	0°23	n.a.	S 19
M20	3 39 48	24°36'23	22°23	9°42	22°47	16°20	13°10	19°57	18°45	3°51	13°59	4°41	3°33	0°30	n.a.	M20
T 21	3 43 45	25°37'38	4♑14	9°17	24° 2	17° 0	13°12	19°53	18°42	3°49	14° 1	4°37	3°30	0°36	n.a.	T 21
W22	3 47 41	26°38'53	16° 4	8°40	25°16	17°40	13°14	19°50	18°39	3°47	14° 3	4°33	3°27	0°43	n.a.	W22
T 23	3 51 38	27°40'09	27°57	7°51	26°30	18°20	13°16	19°46	18°37	3°46	14° 5	4°30	3°24	0°50	n.a.	T 23
F 24	3 55 35	28°41'25	9♒55	6°52	27°45	19° 0	13°18	19°43	18°34	3°44	14° 6	4°27	3°21	0°57	n.a.	F 24
S 25	3 59 31	29°42'40	22° 3	5°44	28°59	19°40	13°19	19°40	18°32	3°42	14° 8	4°26	3°17	1° 3	n.a.	S 25
S 26	4 3 28	0♐43'56	4♓25	4°28	0♏14	20°20	13°21	19°37	18°29	3°41	14°10	4°D26	3°14	1°10	n.a.	S 26
M27	4 7 24	1°45'11	17° 7	3° 9	1°28	21° 1	13°22	19°34	18°27	3°39	14°12	4°27	3°11	1°17	n.a.	M27
T 28	4 11 21	2°46'26	0♈12	1°47	2°43	21°41	13°23	19°31	18°24	3°37	14°14	4°28	3° 8	1°23	n.a.	T 28
W29	4 15 17	3°47'41	13°43	0°25	3°57	22°21	13°24	19°28	18°22	3°35	14°16	4°30	3° 5	1°30	n.a.	W29
T 30	4 19 14	4♐48'56	27♈43	29♏ 8	5♏12	23♒ 1	13♌24	19♈25	18♉20	3♊34	14♎17	4°R31	3♏ 2	1♑37	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13 s26	4n45	2n33	21 s16	2 s22	1n56	1n51	21 s15	1 s47	18n23	0n59	5n53	2 s43	17n38	0 s12	19n53	1 s24	9n 0	15n33	13 s16	13 s12	19 s33		n.a.
T 2	13 46	9 9	1 21	21 38	2 23	1 27	1 51	21 4	1 45	18 21	0 59	5 51	2 43	17 37	0 12	19 52	1 24	8 59	15 33	13 16	13 10	19 33		n.a.
F 3	14 6	13 9	0 2	21 58	2 24	0 58	1 52	20 52	1 43	18 20	0 59	5 49	2 43	17 37	0 12	19 52	1 24	8 58	15 33	13 16	13 9	19 32		n.a.
S 4	14 26	16 25	1 s18	22 17	2 24	0 29	1 52	20 41	1 41	18 19	1 0	5 48	2 43	17 36	0 12	19 52	1 25	8 58	15 34	13 16	13 8	19 32		n.a.
S 5	14 46	18 38	2 34	22 34	2 24	0 s 0	1 53	20 29	1 39	18 17	1 0	5 46	2 43	17 35	0 12	19 52	1 25	8 57	15 34	13 16	13 7	19 32		n.a.
M 6	15 6	19 34	3 40	22 49	2 23	0 29	1 53	20 17	1 38	18 16	1 0	5 45	2 42	17 35	0 12	19 51	1 25	8 56	15 34	13 16	13 6	19 31		n.a.
T 7	15 25	19 10	4 31	23 3	2 21	0 59	1 53	20 5	1 36	18 15	1 0	5 43	2 42	17 34	0 12	19 51	1 25	8 55	15 34	13 15	13 5	19 31		n.a.
W 8	15 44	17 30	5 4	23 15	2 18	1 28	1 53	19 53	1 34	18 14	1 1	5 42	2 42	17 33	0 12	19 51	1 25	8 55	15 34	13 15	13 4	19 30		n.a.
T 9	16 3	14 47	5 17	23 24	2 14	1 57	1 53	19 41	1 33	18 13	1 1	5 40	2 42	17 33	0 12	19 50	1 25	8 54	15 35	13 15	13 3	19 30		n.a.
F 10	16 21	11 16	5 11	23 32	2 10	2 27	1 53	19 29	1 31	18 12	1 1	5 39	2 42	17 32	0 12	19 50	1 25	8 54	15 35	13 15	13 2	19 29		n.a.
S 11	16 39	7 13	4 48	23 37	2 5	2 56	1 53	19 16	1 29	18 11	1 1	5 37	2 42	17 31	0 12	19 50	1 25	8 53	15 35	13 15	13 1	19 29		n.a.
S 12	16 57	2 53	4 9	23 41	1 58	3 26	1 53	19 4	1 27	18 10	1 2	5 36	2 41	17 31	0 12	19 50	1 25	8 52	15 35	13 15	13 0	19 28		n.a.
M13	17 15	1 s30	3 18	23 41	1 51	3 55	1 52	18 51	1 26	18 9	1 2	5 34	2 41	17 30	0 12	19 49	1 25	8 52	15 36	13 16	12 59	19 28		n.a.
T 14	17 32	5 44	2 18	23 39	1 42	4 24	1 52	18 38	1 24	18 9	1 2	5 33	2 41	17 29	0 12	19 49	1 25	8 51	15 36	13 16	12 57	19 27		n.a.
W15	17 49	9 39	1 12	23 35	1 32	4 53	1 51	18 25	1 22	18 8	1 3	5 32	2 41	17 28	0 12	19 49	1 25	8 51	15 36	13 16	12 56	19 27		n.a.
T 16	18 5	13 6	0 4	23 28	1 20	5 23	1 51	18 12	1 21	18 7	1 3	5 30	2 41	17 28	0 12	19 48	1 25	8 50	15 36	13 16	12 55	19 26		n.a.
F 17	18 22	15 55	1n 4	23 18	1 7	5 52	1 50	17 59	1 19	18 7	1 3	5 29	2 40	17 27	0 12	19 48	1 25	8 50	15 37	13 16	12 54	19 26		n.a.
S 18	18 38	17 59	2 7	23 5	0 53	6 21	1 49	17 46	1 18	18 6	1 3	5 28	2 40	17 26	0 12	19 48	1 25	8 49	15 37	13 16	12 53	19 25		n.a.
S 19	18 53	19 14	3 5	22 49	0 37	6 49	1 48	17 32	1 16	18 6	1 4	5 27	2 40	17 26	0 12	19 47	1 25	8 49	15 37	13 15	12 52	19 25		n.a.
M20	19 9	19 37	3 53	22 30	0 20	7 18	1 48	17 18	1 14	18 5	1 4	5 25	2 40	17 25	0 12	19 47	1 25	8 48	15 38	13 14	12 51	19 24		n.a.
T 21	19 24	19 8	4 32	22 8	0 2	7 47	1 47	17 5	1 13	18 5	1 4	5 24	2 40	17 24	0 12	19 47	1 25	8 48	15 38	13 13	12 50	19 24		n.a.
W22	19 38	17 48	4 58	21 44	0n17	8 15	1 45	16 51	1 11	18 4	1 5	5 23	2 39	17 24	0 12	19 46	1 25	8 47	15 38	13 11	12 49	19 23		n.a.
T 23	19 52	15 43	5 12	21 16	0 37	8 43	1 44	16 37	1 10	18 4	1 5	5 22	2 39	17 23	0 12	19 46	1 25	8 47	15 38	13 10	12 48	19 23		n.a.
F 24	20 6	12 57	5 13	20 47	0 57	9 12	1 43	16 23	1 8	18 4	1 5	5 21	2 39	17 22	0 12	19 46	1 25	8 46	15 39	13 9	12 47	19 22		n.a.
S 25	20 20	9 36	5 0	20 15	1 17	9 39	1 42	16 9	1 7	18 4	1 5	5 20	2 39	17 21	0 12	19 45	1 25	8 46	15 39	13 9	12 45	19 22		n.a.
S 26	20 33	5 47	4 33	19 42	1 37	10 7	1 41	15 54	1 5	18 4	1 6	5 19	2 38	17 21	0 12	19 45	1 25	8 45	15 39	13 9	12 44	19 21		n.a.
M27	20 45	1 36	3 51	19 9	1 55	10 35	1 39	15 40	1 4	18 3	1 6	5 18	2 38	17 20	0 12	19 45	1 25	8 45	15 40	13 9	12 43	19 21		n.a.
T 28	20 58	2n47	2 57	18 36	2 12	11 2	1 38	15 26	1 2	18 3	1 6	5 17	2 38	17 19	0 12	19 44	1 25	8 45	15 40	13 10	12 42	19 20		n.a.
W29	21 10	7 11	1 52	18 5	2 27	11 29	1 36	15 11	1 1	18 4	1 7	5 17	2 38	17 19	0 12	19 44	1 25	8 44	15 40	13 10	12 41	19 20		n.a.
T 30	21 s21	11n22	0n37	17 s35	2n40	11 s55	1n34	14 s56	0 s59	18n 4	1n 7	5n16	2 s37	17n18	0 s12	19n44	1 s25	8n44	15n41	13 s11	12 s40	19 s19		n.a.

Julian Day Number = 1634067.5, Delta T = 03h40m13s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'18, Lahiri = - 7°15'18 Julian Calendar 1 Nov. 240 BCE == Greg. Calendar 28 Oct. 240 BCE

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ASTRODIENST EPHEMERIS for the year 240 BCE
geocentric

DECEMBER 240 BCE (-239) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 23 10	5♐50'10	12♉ 9	27°R55	6♏26	23♒41	13♌25	19°R23	18°R17	3°R32	14♎19	4°R31	2♏58	1♑43	n.a.	F 1
S 2	4 27 7	6°51'25	26°58	26♏51	7°41	24°22	13°25	19♈20	18♉15	3♊30	14°21	4♏29	2°55	1°50	n.a.	S 2
S 3	4 31 4	7°52'39	12♊ 4	25°55	8°56	25° 2	13°R25	19°18	18°12	3°29	14°22	4°26	2°52	1°57	n.a.	S 3
M 4	4 35 0	8°53'54	27°16	25° 9	10°10	25°42	13°25	19°15	18°10	3°27	14°24	4°21	2°49	2° 4	n.a.	M 4
T 5	4 38 57	9°55'08	12♋25	24°33	11°25	26°23	13°25	19°13	18° 8	3°25	14°26	4°16	2°46	2°10	n.a.	T 5
W 6	4 42 53	10°56'22	27°21	24° 7	12°39	27° 3	13°24	19°11	18° 5	3°24	14°27	4°11	2°42	2°17	n.a.	W 6
T 7	4 46 50	11°57'36	11♌57	23°51	13°54	27°43	13°23	19° 9	18° 3	3°22	14°29	4° 6	2°39	2°24	n.a.	T 7
F 8	4 50 46	12°58'50	26° 7	23°D45	15° 9	28°24	13°22	19° 7	18° 1	3°20	14°30	4° 3	2°36	2°30	n.a.	F 8
S 9	4 54 43	14° 0'04	9♍52	23°48	16°23	29° 4	13°21	19° 5	17°59	3°19	14°32	4°D 2	2°33	2°37	n.a.	S 9
S 10	4 58 40	15° 1'18	23°11	23°59	17°38	29°44	13°20	19° 4	17°56	3°17	14°33	4° 2	2°30	2°44	n.a.	S 10
M11	5 2 36	16° 2'32	6♎ 7	24°18	18°53	0♓25	13°18	19° 2	17°54	3°15	14°35	4° 3	2°27	2°50	n.a.	M11
T 12	5 6 33	17° 3'46	18°45	24°43	20° 8	1° 5	13°17	19° 0	17°52	3°14	14°36	4° 5	2°23	2°57	n.a.	T 12
W13	5 10 29	18° 4'59	1♏ 7	25°15	21°22	1°46	13°15	18°59	17°50	3°12	14°38	4°R 6	2°20	3° 4	n.a.	W13
T 14	5 14 26	19° 6'12	13°18	25°53	22°37	2°26	13°13	18°58	17°48	3°10	14°39	4° 5	2°17	3°11	n.a.	T 14
F 15	5 18 22	20° 7'25	25°21	26°36	23°52	3° 6	13°10	18°57	17°46	3° 9	14°40	4° 3	2°14	3°17	n.a.	F 15
S 16	5 22 19	21° 8'37	7♐18	27°23	25° 7	3°47	13° 8	18°56	17°44	3° 7	14°41	3°58	2°11	3°24	n.a.	S 16
S 17	5 26 15	22° 9'49	19°12	28°14	26°21	4°27	13° 5	18°55	17°42	3° 5	14°43	3°51	2° 8	3°31	n.a.	S 17
M18	5 30 12	23°11'00	1♑ 3	29°10	27°36	5° 8	13° 2	18°54	17°40	3° 4	14°44	3°41	2° 4	3°37	n.a.	M18
T 19	5 34 9	24°12'11	12°54	0♐ 8	28°51	5°48	12°59	18°53	17°38	3° 2	14°45	3°31	2° 1	3°44	n.a.	T 19
W20	5 38 5	25°13'20	24°46	1°10	0♐ 6	6°29	12°56	18°53	17°36	3° 1	14°46	3°20	1°58	3°51	n.a.	W20
T 21	5 42 2	26°14'29	6♒41	2°14	1°21	7° 9	12°53	18°52	17°34	2°59	14°47	3°10	1°55	3°58	n.a.	T 21
F 22	5 45 58	27°15'36	18°42	3°20	2°35	7°50	12°49	18°52	17°32	2°58	14°48	3° 2	1°52	4° 4	n.a.	F 22
S 23	5 49 55	28°16'43	0♓50	4°29	3°50	8°30	12°45	18°52	17°31	2°56	14°50	2°56	1°48	4°11	n.a.	S 23
S 24	5 53 51	29°17'48	13°11	5°40	5° 5	9°11	12°42	18°D52	17°29	2°55	14°51	2°52	1°45	4°18	n.a.	S 24
M25	5 57 48	0♑18'52	25°47	6°53	6°20	9°51	12°37	18°52	17°27	2°53	14°52	2°D50	1°42	4°24	n.a.	M25
T 26	6 1 44	1°19'55	8♈43	8° 7	7°35	10°32	12°33	18°52	17°26	2°52	14°53	2°50	1°39	4°31	n.a.	T 26
W27	6 5 41	2°20'56	22° 3	9°23	8°49	11°12	12°29	18°52	17°24	2°50	14°53	2°51	1°36	4°38	n.a.	W27
T 28	6 9 38	3°21'56	5♉51	10°41	10° 4	11°53	12°24	18°52	17°22	2°49	14°54	2°R52	1°33	4°45	n.a.	T 28
F 29	6 13 34	4°22'55	20° 7	12° 0	11°19	12°33	12°19	18°53	17°21	2°47	14°55	2°50	1°29	4°51	n.a.	F 29
S 30	6 17 31	5°23'53	4♊50	13°20	12°34	13°14	12°14	18°53	17°19	2°46	14°56	2°47	1°26	4°58	n.a.	S 30
S 31	6 21 27	6♑24'49	19♊56	14♐41	13♐48	13♓54	12♌ 9	18♈54	17♉18	2♊45	14♎57	2♏40	1♏23	5♑ 5	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s32	15n 0	0s42	17s 9	2n51	12s22	1n33	14s42	0s58	18n 4	1n 7	5n15	2s37	17n17	0s12	19n44	1s25	8n44	15n41	13s11	12s39	19s19		n.a.
S 2	21 43	17 46	2 0	16 46	2 59	12 48	1 31	14 27	0 57	18 4	1 7	5 14	2 37	17 17	0 12	19 43	1 25	8 43	15 42	13 10	12 38	19 18		n.a.
S 3	21 53	19 21	3 11	16 28	3 5	13 14	1 29	14 12	0 55	18 4	1 8	5 14	2 37	17 16	0 12	19 43	1 25	8 43	15 42	13 9	12 37	19 17		n.a.
M 4	22 3	19 33	4 9	16 13	3 9	13 39	1 28	13 57	0 54	18 5	1 8	5 13	2 36	17 15	0 12	19 43	1 24	8 43	15 42	13 7	12 36	19 17		n.a.
T 5	22 12	18 20	4 49	16 3	3 11	14 5	1 26	13 42	0 52	18 5	1 8	5 12	2 36	17 15	0 12	19 42	1 24	8 43	15 43	13 6	12 34	19 16		n.a.
W 6	22 21	15 53	5 9	15 57	3 10	14 29	1 24	13 26	0 51	18 5	1 9	5 12	2 36	17 14	0 12	19 42	1 24	8 42	15 43	13 4	12 33	19 16		n.a.
T 7	22 29	12 29	5 8	15 55	3 9	14 54	1 22	13 11	0 50	18 6	1 9	5 11	2 35	17 14	0 12	19 42	1 24	8 42	15 44	13 2	12 32	19 15		n.a.
F 8	22 37	8 26	4 48	15 56	3 5	15 18	1 20	12 56	0 48	18 6	1 9	5 11	2 35	17 13	0 12	19 41	1 24	8 42	15 44	13 1	12 31	19 15		n.a.
S 9	22 45	4 4	4 13	16 1	3 1	15 42	1 18	12 40	0 47	18 7	1 9	5 11	2 35	17 12	0 11	19 41	1 24	8 42	15 44	13 1	12 30	19 14		n.a.
S 10	22 52	0s23	3 24	16 9	2 56	16 5	1 15	12 25	0 46	18 8	1 10	5 10	2 35	17 12	0 11	19 41	1 24	8 42	15 45	13 1	12 29	19 13		n.a.
M11	22 59	4 41	2 26	16 20	2 49	16 28	1 13	12 9	0 44	18 8	1 10	5 10	2 34	17 11	0 11	19 40	1 24	8 41	15 45	13 1	12 28	19 13		n.a.
T 12	23 5	8 42	1 22	16 33	2 42	16 51	1 11	11 53	0 43	18 9	1 10	5 10	2 34	17 11	0 11	19 40	1 24	8 41	15 46	13 2	12 27	19 12		n.a.
W13	23 11	12 15	0 16	16 48	2 35	17 13	1 9	11 37	0 42	18 10	1 11	5 9	2 34	17 10	0 11	19 40	1 24	8 41	15 46	13 2	12 26	19 12		n.a.
T 14	23 16	15 14	0n50	17 4	2 27	17 34	1 7	11 22	0 41	18 11	1 11	5 9	2 33	17 9	0 11	19 40	1 24	8 41	15 47	13 2	12 24	19 11		n.a.
F 15	23 21	17 31	1 52	17 22	2 19	17 55	1 4	11 6	0 39	18 12	1 11	5 9	2 33	17 9	0 11	19 39	1 24	8 41	15 47	13 1	12 23	19 11		n.a.
S 16	23 25	19 0	2 49	17 41	2 10	18 16	1 2	10 50	0 38	18 13	1 11	5 9	2 33	17 8	0 11	19 39	1 24	8 41	15 47	12 59	12 22	19 10		n.a.
S 17	23 29	19 39	3 39	18 2	2 2	18 36	1 0	10 34	0 37	18 14	1 12	5 9	2 32	17 8	0 11	19 39	1 24	8 41	15 48	12 57	12 21	19 9		n.a.
M18	23 33	19 25	4 18	18 22	1 53	18 56	0 57	10 17	0 36	18 15	1 12	5 9	2 32	17 7	0 11	19 38	1 24	8 41	15 48	12 54	12 20	19 9		n.a.
T 19	23 36	18 20	4 46	18 44	1 44	19 15	0 55	10 1	0 34	18 16	1 12	5 9	2 32	17 7	0 11	19 38	1 24	8 41	15 49	12 50	12 19	19 8		n.a.
W20	23 38	16 28	5 2	19 5	1 35	19 34	0 52	9 45	0 33	18 17	1 13	5 9	2 32	17 6	0 11	19 38	1 24	8 41	15 49	12 46	12 18	19 8		n.a.
T 21	23 40	13 54	5 5	19 27	1 26	19 52	0 50	9 29	0 32	18 19	1 13	5 9	2 31	17 6	0 11	19 38	1 24	8 41	15 50	12 43	12 17	19 7		n.a.
F 22	23 42	10 44	4 54	19 49	1 17	20 9	0 47	9 12	0 31	18 20	1 13	5 9	2 31	17 5	0 11	19 37	1 24	8 41	15 50	12 40	12 16	19 6		n.a.
S 23	23 43	7 6	4 31	20 11	1 8	20 26	0 45	8 56	0 30	18 21	1 13	5 9	2 31	17 5	0 11	19 37	1 24	8 41	15 51	12 38	12 15	19 6		n.a.
S 24	23 43	3 6	3 54	20 32	0 59	20 43	0 42	8 39	0 28	18 23	1 14	5 10	2 30	17 4	0 11	19 37	1 24	8 41	15 51	12 37	12 13	19 5		n.a.
M25	23 43	1n 8	3 5	20 54	0 50	20 58	0 40	8 23	0 27	18 24	1 14	5 10	2 30	17 4	0 11	19 37	1 24	8 41	15 52	12 36	12 12	19 4		n.a.
T 26	23 43	5 25	2 5	21 15	0 41	21 13	0 37	8 6	0 26	18 25	1 14	5 10	2 30	17 3	0 11	19 36	1 24	8 41	15 52	12 36	12 11	19 4		n.a.
W27	23 42	9 35	0 57	21 35	0 33	21 28	0 34	7 50	0 25	18 27	1 14	5 11	2 29	17 3	0 11	19 36	1 24	8 41	15 53	12 36	12 10	19 3		n.a.
T 28	23 41	13 23	0s16	21 55	0 24	21 42	0 32	7 33	0 24	18 29	1 15	5 11	2 29	17 2	0 11	19 36	1 24	8 41	15 53	12 36	12 9	19 3		n.a.
F 29	23 39	16 31	1 31	22 14	0 16	21 55	0 29	7 17	0 23	18 30	1 15	5 11	2 29	17 2	0 11	19 36	1 24	8 41	15 54	12 36	12 8	19 2		n.a.
S 30	23 37	18 42	2 42	22 33	0 8	22 8	0 26	7 0	0 22	18 32	1 15	5 12	2 28	17 2	0 11	19 35	1 24	8 42	15 54	12 35	12 7	19 1		n.a.
S 31	23s34	19n37	3s43	22s50	0s 1	22s20	0n24	6s43	0s21	18n33	1n15	5n13	2s28	17n 1	0s11	19n35	1s24	8n42	15n55	12s33	12s 6	19s 1		n.a.

Julian Day Number = 1634097.5, Delta T = 03h40m12s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'14, Lahiri = - 7°15'14 Julian Calendar 1 Dec. 240 BCE == Greg. Calendar 27 Nov. 240 BCE

The year -239 astronomical counting style corresponds to year 240 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

JANUARY 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 25 24	7♑25'44	5♋15	16♐ 3	15♐ 3	14♓35	12°R 4	18♈55	17°R17	2°R43	14♎57	2°R32	1♏20	5♑11	n.a.	M 1
T 2	6 29 20	8°26'38	20°36	17°27	16°18	15°15	11♌59	18°56	17♉15	2♊42	14°58	2♏22	1°17	5°18	n.a.	T 2
W 3	6 33 17	9°27'30	5♌49	18°51	17°33	15°56	11°53	18°57	17°14	2°41	14°59	2°11	1°14	5°25	n.a.	W 3
T 4	6 37 14	10°28'22	20°41	20°17	18°48	16°36	11°47	18°58	17°13	2°39	14°59	2° 2	1°10	5°31	n.a.	T 4
F 5	6 41 10	11°29'12	5♍ 7	21°43	20° 2	17°17	11°42	18°59	17°11	2°38	15° 0	1°55	1° 7	5°38	n.a.	F 5
S 6	6 45 7	12°30'01	19° 3	23°10	21°17	17°57	11°36	19° 1	17°10	2°37	15° 1	1°50	1° 4	5°45	n.a.	S 6
S 7	6 49 3	13°30'49	2♎29	24°38	22°32	18°37	11°30	19° 2	17° 9	2°36	15° 1	1°48	1° 1	5°52	n.a.	S 7
M 8	6 53 0	14°31'36	15°28	26° 8	23°47	19°18	11°23	19° 4	17° 8	2°35	15° 2	1°D48	0°58	5°58	n.a.	M 8
T 9	6 56 56	15°32'22	28° 4	27°37	25° 1	19°58	11°17	19° 6	17° 7	2°33	15° 2	1°R48	0°54	6° 5	n.a.	T 9
W10	7 0 53	16°33'06	10♏21	29° 8	26°16	20°39	11°10	19° 7	17° 6	2°32	15° 3	1°48	0°51	6°12	n.a.	W10
T 11	7 4 49	17°33'50	22°26	0♑40	27°31	21°19	11° 4	19° 9	17° 5	2°31	15° 3	1°46	0°48	6°18	n.a.	T 11
F 12	7 8 46	18°34'32	4♐22	2°12	28°46	21°59	10°57	19°11	17° 4	2°30	15° 3	1°41	0°45	6°25	n.a.	F 12
S 13	7 12 43	19°35'12	16°13	3°46	0♑ 0	22°40	10°50	19°13	17° 4	2°29	15° 4	1°34	0°42	6°32	n.a.	S 13
S 14	7 16 39	20°35'52	28° 3	5°20	1°15	23°20	10°43	19°16	17° 3	2°28	15° 4	1°24	0°39	6°39	n.a.	S 14
M15	7 20 36	21°36'30	9♑54	6°55	2°30	24° 0	10°36	19°18	17° 2	2°27	15° 4	1°11	0°35	6°45	n.a.	M15
T 16	7 24 32	22°37'06	21°47	8°31	3°45	24°41	10°29	19°21	17° 1	2°26	15° 4	0°56	0°32	6°52	n.a.	T 16
W17	7 28 29	23°37'41	3♒44	10° 8	4°59	25°21	10°22	19°23	17° 1	2°25	15° 4	0°41	0°29	6°59	n.a.	W17
T 18	7 32 25	24°38'13	15°46	11°45	6°14	26° 1	10°15	19°26	17° 0	2°24	15° 5	0°27	0°26	7° 5	n.a.	T 18
F 19	7 36 22	25°38'44	27°54	13°24	7°29	26°42	10° 8	19°29	17° 0	2°23	15° 5	0°15	0°23	7°12	n.a.	F 19
S 20	7 40 18	26°39'14	10♓10	15° 4	8°43	27°22	10° 0	19°32	16°59	2°22	15° 5	0° 5	0°20	7°19	n.a.	S 20
S 21	7 44 15	27°39'41	22°36	16°44	9°58	28° 2	9°53	19°35	16°59	2°22	15°R 5	29♎59	0°16	7°26	n.a.	S 21
M22	7 48 12	28°40'06	5♈15	18°25	11°13	28°43	9°45	19°38	16°58	2°21	15° 5	29°55	0°13	7°32	n.a.	M22
T 23	7 52 8	29°40'29	18°10	20° 8	12°27	29°23	9°37	19°41	16°58	2°20	15° 5	29°54	0°10	7°39	n.a.	T 23
W24	7 56 5	0♒40'50	1♉24	21°51	13°42	0♈ 3	9°30	19°44	16°58	2°19	15° 5	29°54	0° 7	7°46	n.a.	W24
T 25	8 0 1	1°41'09	15° 1	23°35	14°57	0°43	9°22	19°48	16°58	2°19	15° 4	29°53	0° 4	7°52	n.a.	T 25
F 26	8 3 58	2°41'26	29° 3	25°20	16°11	1°23	9°14	19°51	16°58	2°18	15° 4	29°52	0° 0	7°59	n.a.	F 26
S 27	8 7 54	3°41'41	13♊30	27° 7	17°26	2° 4	9° 7	19°55	16°57	2°17	15° 4	29°48	29♎57	8° 6	n.a.	S 27
S 28	8 11 51	4°41'53	28°19	28°54	18°41	2°44	8°59	19°58	16°D57	2°17	15° 4	29°41	29°54	8°13	n.a.	S 28
M29	8 15 47	5°42'04	13♋25	0♒42	19°55	3°24	8°51	20° 2	16°57	2°16	15° 4	29°31	29°51	8°19	n.a.	M29
T 30	8 19 44	6°42'12	28°38	2°32	21°10	4° 4	8°43	20° 6	16°58	2°15	15° 3	29°20	29°48	8°26	n.a.	T 30
W31	8 23 41	7♒42'18	13♌48	4♒22	22♑24	4♈44	8♌35	20♈10	16♉58	2♊15	15♎ 3	29♎ 9	29♎45	8♑33	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23s31	19n 8	4s30	23s 7	0s 8	22s31	0n21	6s26	0s20	18n35	1n16	5n13	2s28	17n 1	0s11	19n35	1s24	8n42	15n55	12s30	12s 4	19s 0			n.a.
T 2	23 27	17 14	4 56	23 23	0 16	22 42	0 19	6 10	0 18	18 37	1 16	5 14	2 27	17 0	0 11	19 35	1 24	8 42	15 56	12 26	12 3	18 59			n.a.
W 3	23 23	14 10	5 2	23 38	0 24	22 52	0 16	5 53	0 17	18 39	1 16	5 14	2 27	17 0	0 11	19 34	1 24	8 42	15 56	12 23	12 2	18 59			n.a.
T 4	23 18	10 14	4 47	23 52	0 31	23 1	0 13	5 36	0 16	18 41	1 16	5 15	2 27	17 0	0 11	19 34	1 24	8 42	15 57	12 19	12 1	18 58			n.a.
F 5	23 13	5 49	4 14	24 5	0 38	23 10	0 11	5 19	0 15	18 42	1 17	5 16	2 27	16 59	0 11	19 34	1 24	8 43	15 57	12 17	12 0	18 57			n.a.
S 6	23 8	1 13	3 26	24 17	0 45	23 18	0 8	5 2	0 14	18 44	1 17	5 17	2 26	16 59	0 11	19 34	1 24	8 43	15 58	12 15	11 59	18 57			n.a.
S 7	23 2	3s17	2 29	24 28	0 51	23 25	0 5	4 45	0 13	18 46	1 17	5 18	2 26	16 59	0 11	19 34	1 24	8 43	15 58	12 14	11 58	18 56			n.a.
M 8	22 55	7 28	1 26	24 38	0 58	23 32	0 3	4 28	0 12	18 48	1 17	5 19	2 26	16 58	0 11	19 33	1 23	8 43	15 59	12 14	11 57	18 55			n.a.
T 9	22 48	11 13	0 20	24 46	1 4	23 37	0 0	4 11	0 11	18 50	1 18	5 19	2 25	16 58	0 11	19 33	1 23	8 44	15 59	12 14	11 56	18 55			n.a.
W10	22 41	14 23	0n45	24 53	1 10	23 43	0s 2	3 54	0 10	18 52	1 18	5 20	2 25	16 58	0 11	19 33	1 23	8 44	16 0	12 14	11 54	18 54			n.a.
T 11	22 33	16 52	1 47	24 59	1 16	23 47	0 5	3 37	0 9	18 54	1 18	5 21	2 25	16 58	0 11	19 33	1 23	8 44	16 0	12 14	11 53	18 53			n.a.
F 12	22 25	18 35	2 43	25 3	1 21	23 51	0 8	3 20	0 8	18 56	1 18	5 23	2 24	16 57	0 11	19 33	1 23	8 45	16 1	12 12	11 52	18 53			n.a.
S 13	22 16	19 29	3 32	25 6	1 26	23 53	0 10	3 3	0 7	18 58	1 18	5 24	2 24	16 57	0 11	19 33	1 23	8 45	16 1	12 9	11 51	18 52			n.a.
S 14	22 7	19 31	4 11	25 8	1 31	23 56	0 13	2 46	0 6	19 1	1 19	5 25	2 24	16 57	0 11	19 32	1 23	8 45	16 2	12 6	11 50	18 51			n.a.
M15	21 58	18 42	4 40	25 8	1 35	23 57	0 15	2 29	0 5	19 3	1 19	5 26	2 23	16 57	0 11	19 32	1 23	8 46	16 2	12 1	11 49	18 51			n.a.
T 16	21 48	17 4	4 56	25 6	1 40	23 58	0 18	2 12	0 5	19 5	1 19	5 27	2 23	16 57	0 11	19 32	1 23	8 46	16 3	11 56	11 48	18 50			n.a.
W17	21 38	14 42	4 59	25 3	1 44	23 58	0 20	1 55	0 4	19 7	1 19	5 28	2 23	16 56	0 11	19 32	1 23	8 47	16 3	11 51	11 47	18 49			n.a.
T 18	21 27	11 42	4 49	24 58	1 47	23 57	0 23	1 38	0 3	19 9	1 19	5 30	2 22	16 56	0 11	19 32	1 23	8 47	16 4	11 46	11 45	18 49			n.a.
F 19	21 16	8 11	4 26	24 52	1 50	23 55	0 25	1 21	0 2	19 11	1 19	5 31	2 22	16 56	0 11	19 32	1 23	8 47	16 4	11 42	11 44	18 48			n.a.
S 20	21 4	4 18	3 50	24 44	1 53	23 53	0 27	1 4	0 1	19 14	1 20	5 33	2 22	16 56	0 11	19 32	1 23	8 48	16 5	11 38	11 43	18 47			n.a.
S 21	20 52	0 10	3 3	24 35	1 56	23 50	0 30	0 47	0n 0	19 16	1 20	5 34	2 22	16 56	0 11	19 31	1 23	8 48	16 5	11 36	11 42	18 46			n.a.
M22	20 40	4n 2	2 6	24 23	1 58	23 46	0 32	0 30	0 1	19 18	1 20	5 35	2 21	16 56	0 11	19 31	1 23	8 49	16 6	11 34	11 41	18 46			n.a.
T 23	20 28	8 9	1 2	24 10	2 0	23 42	0 34	0 13	0 2	19 20	1 20	5 37	2 21	16 56	0 11	19 31	1 23	8 49	16 6	11 34	11 40	18 45			n.a.
W24	20 15	11 59	0s 8	23 55	2 1	23 37	0 37	0n 4	0 3	19 22	1 20	5 38	2 21	16 56	0 11	19 31	1 23	8 50	16 7	11 34	11 39	18 44			n.a.
T 25	20 1	15 16	1 19	23 39	2 2	23 31	0 39	0 21	0 3	19 25	1 20	5 40	2 20	16 56	0 11	19 31	1 23	8 50	16 7	11 34	11 38	18 44			n.a.
F 26	19 47	17 47	2 27	23 20	2 3	23 24	0 41	0 38	0 4	19 27	1 21	5 42	2 20	16 56	0 11	19 31	1 23	8 51	16 8	11 33	11 36	18 43			n.a.
S 27	19 33	19 14	3 28	23 0	2 3	23 17	0 43	0 54	0 5	19 29	1 21	5 43	2 20	16 56	0 11	19 31	1 23	8 51	16 8	11 32	11 35	18 42			n.a.
S 28	19 19	19 26	4 17	22 37	2 3	23 9	0 45	1 11	0 6	19 31	1 21	5 45	2 20	16 56	0 11	19 31	1 23	8 52	16 9	11 29	11 34	18 41			n.a.
M29	19 4	18 15	4 49	22 13	2 2	23 0	0 47	1 28	0 7	19 33	1 21	5 47	2 19	16 56	0 11	19 31	1 22	8 52	16 9	11 26	11 33	18 41			n.a.
T 30	18 49	15 47	5 0	21 47	2 1	22 51	0 49	1 45	0 8	19 36	1 21	5 48	2 19	16 56	0 11	19 31	1 22	8 53	16 10	11 22	11 32	18 40			n.a.
W31	18s34	12n14	4s51	21s19	1s59	22s41	0s51	2n 2	0n 8	19n38	1n21	5n50	2s19	16n56	0s11	19n31	1s22	8n54	16n10	11s18	11s31	18s39			n.a.

Julian Day Number = 1634128.5, Delta T = 03h40m11s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'10, Lahiri = - 7°15'09 Julian Calendar 1 Jan. 239 BCE == Greg. Calendar 28 Dec. 240 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

FEBRUARY 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 27 37	8♒42'23	28♌43	6♒13	23♑39	5♈24	8°R27	20♈14	16♉58	2°R14	15°R 3	28°R58	29♎41	8♑39	n.a.	T 1
F 2	8 31 34	9°42'25	13♍16	8° 6	24°53	6° 4	8♌20	20°18	16°58	2♊14	15♎ 2	28♎50	29°38	8°46	n.a.	F 2
S 3	8 35 30	10°42'26	27°20	9°59	26° 8	6°44	8°12	20°23	16°58	2°14	15° 2	28°44	29°35	8°53	n.a.	S 3
S 4	8 39 27	11°42'24	10♎54	11°53	27°23	7°24	8° 4	20°27	16°59	2°13	15° 1	28°41	29°32	9° 0	n.a.	S 4
M 5	8 43 23	12°42'22	24° 0	13°48	28°37	8° 4	7°56	20°31	16°59	2°13	15° 1	28°D39	29°29	9° 6	n.a.	M 5
T 6	8 47 20	13°42'17	6♏41	15°44	29°52	8°44	7°48	20°36	17° 0	2°13	15° 0	28°39	29°26	9°13	n.a.	T 6
W 7	8 51 16	14°42'11	19° 2	17°41	1♒ 6	9°24	7°41	20°40	17° 0	2°12	15° 0	28°R39	29°22	9°20	n.a.	W 7
T 8	8 55 13	15°42'02	1♐ 7	19°38	2°21	10° 4	7°33	20°45	17° 1	2°12	14°59	28°38	29°19	9°26	n.a.	T 8
F 9	8 59 9	16°41'52	13° 3	21°36	3°35	10°44	7°25	20°50	17° 1	2°12	14°59	28°35	29°16	9°33	n.a.	F 9
S 10	9 3 6	17°41'41	24°53	23°34	4°50	11°24	7°17	20°55	17° 2	2°12	14°58	28°29	29°13	9°40	n.a.	S 10
S 11	9 7 3	18°41'27	6♑43	25°33	6° 4	12° 4	7°10	21° 0	17° 3	2°11	14°57	28°21	29°10	9°47	n.a.	S 11
M12	9 10 59	19°41'11	18°35	27°31	7°19	12°44	7° 2	21° 5	17° 3	2°11	14°56	28°10	29° 6	9°53	n.a.	M12
T 13	9 14 56	20°40'54	0♒32	29°29	8°33	13°24	6°55	21°10	17° 4	2°11	14°56	27°58	29° 3	10° 0	n.a.	T 13
W14	9 18 52	21°40'34	12°36	1♓27	9°48	14° 3	6°47	21°15	17° 5	2°11	14°55	27°45	29° 0	10° 7	n.a.	W14
T 15	9 22 49	22°40'13	24°48	3°23	11° 2	14°43	6°40	21°20	17° 6	2°D11	14°54	27°33	28°57	10°13	n.a.	T 15
F 16	9 26 45	23°39'49	7♓ 9	5°19	12°17	15°23	6°33	21°26	17° 7	2°11	14°53	27°22	28°54	10°20	n.a.	F 16
S 17	9 30 42	24°39'23	19°39	7°13	13°31	16° 3	6°26	21°31	17° 8	2°11	14°52	27°14	28°51	10°27	n.a.	S 17
S 18	9 34 38	25°38'54	2♈20	9° 5	14°45	16°43	6°19	21°37	17° 9	2°11	14°51	27° 8	28°47	10°34	n.a.	S 18
M19	9 38 35	26°38'23	15°12	10°54	16° 0	17°22	6°12	21°42	17°10	2°11	14°50	27° 5	28°44	10°40	n.a.	M19
T 20	9 42 32	27°37'50	28°17	12°41	17°14	18° 2	6° 5	21°48	17°11	2°12	14°49	27°D 5	28°41	10°47	n.a.	T 20
W21	9 46 28	28°37'15	11♉36	14°24	18°29	18°42	5°58	21°54	17°12	2°12	14°48	27° 5	28°38	10°54	n.a.	W21
T 22	9 50 25	29°36'37	25°13	16° 3	19°43	19°21	5°51	21°59	17°14	2°12	14°47	27°R 6	28°35	11° 0	n.a.	T 22
F 23	9 54 21	0♓35'57	9♊ 7	17°38	20°57	20° 1	5°45	22° 5	17°15	2°12	14°46	27° 6	28°31	11° 7	n.a.	F 23
S 24	9 58 18	1°35'14	23°20	19° 9	22°12	20°41	5°38	22°11	17°16	2°12	14°45	27° 4	28°28	11°14	n.a.	S 24
S 25	10 2 14	2°34'29	7♋49	20°35	23°26	21°20	5°32	22°17	17°18	2°13	14°44	26°59	28°25	11°21	n.a.	S 25
M26	10 6 11	3°33'42	22°32	21°55	24°40	22° 0	5°25	22°23	17°19	2°13	14°43	26°53	28°22	11°27	n.a.	M26
T 27	10 10 7	4°32'52	7♌22	23° 9	25°55	22°39	5°19	22°29	17°21	2°14	14°42	26°45	28°19	11°34	n.a.	T 27
W28	10 14 4	5♓31'59	22♌11	24♓18	27♒ 9	23♈19	5♌13	22♈35	17♉22	2♊14	14♎41	26♎37	28♎16	11♑41	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s18	7n59	4s21	20s49	1s57	22s30	0s53	2n19	0n 9	19n40	1n21	5n52	2s18	16n56	0s11	19n31	1s22	8n54	16n10	11s14	11s30	18s38		n.a.
F 2	18 2	3 21	3 35	20 17	1 54	22 18	0 55	2 35	0 10	19 42	1 21	5 54	2 18	16 56	0 11	19 31	1 22	8 55	16 11	11 11	11 28	18 38		n.a.
S 3	17 45	1s20	2 38	19 43	1 50	22 6	0 57	2 52	0 11	19 44	1 21	5 56	2 18	16 56	0 11	19 31	1 22	8 55	16 11	11 9	11 27	18 37		n.a.
S 4	17 29	5 47	1 33	19 8	1 46	21 53	0 59	3 9	0 12	19 47	1 21	5 57	2 18	16 56	0 10	19 31	1 22	8 56	16 12	11 8	11 26	18 36		n.a.
M 5	17 12	9 48	0 25	18 30	1 42	21 40	1 0	3 26	0 12	19 49	1 22	5 59	2 17	16 56	0 10	19 31	1 22	8 56	16 12	11 7	11 25	18 35		n.a.
T 6	16 54	13 14	0n42	17 51	1 37	21 26	1 2	3 42	0 13	19 51	1 22	6 1	2 17	16 56	0 10	19 30	1 22	8 57	16 13	11 7	11 24	18 35		n.a.
W 7	16 37	15 59	1 46	17 10	1 31	21 11	1 4	3 59	0 14	19 53	1 22	6 3	2 17	16 57	0 10	19 30	1 22	8 58	16 13	11 7	11 23	18 34		n.a.
T 8	16 19	17 58	2 43	16 27	1 25	20 56	1 5	4 15	0 15	19 55	1 22	6 5	2 17	16 57	0 10	19 30	1 22	8 58	16 14	11 7	11 22	18 33		n.a.
F 9	16 1	19 7	3 32	15 42	1 18	20 40	1 7	4 32	0 15	19 57	1 22	6 7	2 16	16 57	0 10	19 31	1 22	8 59	16 14	11 6	11 21	18 32		n.a.
S 10	15 43	19 25	4 12	14 56	1 10	20 23	1 8	4 48	0 16	19 59	1 22	6 9	2 16	16 57	0 10	19 31	1 22	9 0	16 15	11 4	11 19	18 32		n.a.
S 11	15 24	18 52	4 41	14 8	1 2	20 6	1 10	5 5	0 17	20 1	1 22	6 12	2 16	16 57	0 10	19 31	1 22	9 0	16 15	11 1	11 18	18 31		n.a.
M12	15 5	17 30	4 58	13 19	0 53	19 48	1 11	5 21	0 18	20 3	1 22	6 14	2 16	16 58	0 10	19 31	1 22	9 1	16 15	10 57	11 17	18 30		n.a.
T 13	14 46	15 22	5 1	12 28	0 44	19 30	1 12	5 38	0 18	20 5	1 22	6 16	2 15	16 58	0 10	19 31	1 22	9 2	16 16	10 52	11 16	18 29		n.a.
W14	14 27	12 33	4 52	11 37	0 34	19 11	1 14	5 54	0 19	20 7	1 22	6 18	2 15	16 58	0 10	19 31	1 22	9 2	16 16	10 48	11 15	18 29		n.a.
T 15	14 7	9 11	4 29	10 45	0 24	18 52	1 15	6 10	0 20	20 9	1 22	6 20	2 15	16 58	0 10	19 31	1 22	9 3	16 17	10 43	11 14	18 28		n.a.
F 16	13 47	5 23	3 53	9 52	0 13	18 32	1 16	6 26	0 20	20 11	1 22	6 22	2 15	16 59	0 10	19 31	1 22	9 4	16 17	10 39	11 13	18 27		n.a.
S 17	13 27	1 18	3 5	8 59	0 1	18 11	1 17	6 42	0 21	20 12	1 22	6 25	2 14	16 59	0 10	19 31	1 21	9 4	16 17	10 36	11 11	18 26		n.a.
S 18	13 7	2n54	2 8	8 6	0n11	17 51	1 18	6 59	0 22	20 14	1 22	6 27	2 14	16 59	0 10	19 31	1 21	9 5	16 18	10 34	11 10	18 25		n.a.
M19	12 47	7 1	1 3	7 13	0 23	17 29	1 19	7 15	0 22	20 16	1 22	6 29	2 14	17 0	0 10	19 31	1 21	9 6	16 18	10 33	11 9	18 25		n.a.
T 20	12 26	10 53	0s 6	6 20	0 36	17 7	1 20	7 30	0 23	20 18	1 22	6 32	2 14	17 0	0 10	19 31	1 21	9 7	16 19	10 33	11 8	18 24		n.a.
W21	12 6	14 16	1 17	5 28	0 48	16 45	1 21	7 46	0 24	20 19	1 22	6 34	2 13	17 0	0 10	19 31	1 21	9 7	16 19	10 33	11 7	18 23		n.a.
T 22	11 45	16 57	2 25	4 38	1 1	16 22	1 22	8 2	0 24	20 21	1 22	6 36	2 13	17 1	0 10	19 31	1 21	9 8	16 19	10 34	11 6	18 22		n.a.
F 23	11 23	18 42	3 25	3 48	1 14	15 59	1 22	8 18	0 25	20 23	1 22	6 39	2 13	17 1	0 10	19 31	1 21	9 9	16 20	10 33	11 5	18 21		n.a.
S 24	11 2	19 19	4 15	3 1	1 27	15 35	1 23	8 34	0 26	20 24	1 22	6 41	2 13	17 2	0 10	19 31	1 21	9 9	16 20	10 33	11 3	18 21		n.a.
S 25	10 41	18 41	4 49	2 15	1 39	15 11	1 24	8 49	0 26	20 26	1 22	6 44	2 13	17 2	0 10	19 32	1 21	9 10	16 20	10 31	11 2	18 20		n.a.
M26	10 19	16 48	5 5	1 32	1 52	14 46	1 24	9 5	0 27	20 27	1 22	6 46	2 12	17 3	0 10	19 32	1 21	9 11	16 21	10 29	11 1	18 19		n.a.
T 27	9 57	13 48	5 1	0 51	2 4	14 21	1 24	9 20	0 27	20 29	1 22	6 49	2 12	17 3	0 10	19 32	1 21	9 12	16 21	10 26	11 0	18 18		n.a.
W28	9s35	9n56	4s36	0s13	2n15	13s56	1s25	9n36	0n28	20n30	1n22	6n51	2s12	17n 3	0s10	19n32	1s21	9n12	16n21	10s23	10s59	18s17		n.a.

Julian Day Number = 1634159.5, Delta T = 03h40m10s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'06, Lahiri = - 7°15'05 Julian Calendar 1 Feb. 239 BCE == Greg. Calendar 28 Jan. 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

MARCH 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 18 1	6♓31'05	6♍50	25♓20	28♒23	23♈59	5°R 8	22♈42	17♉24	2♊14	14°R40	26°R30	28♎12	11♑48	n.a.	T 1
F 2	10 21 57	7°30'08	21°13	26°16	29°38	24°38	5♌ 2	22°48	17°26	2°15	14♎38	26♎24	28° 9	11°54	n.a.	F 2
S 3	10 25 54	8°29'09	5♎13	27° 6	0♓52	25°17	4°56	22°54	17°27	2°15	14°37	26°19	28° 6	12° 1	n.a.	S 3
S 4	10 29 50	9°28'09	18°48	27°48	2° 6	25°57	4°51	23° 1	17°29	2°16	14°36	26°17	28° 3	12° 8	n.a.	S 4
M 5	10 33 47	10°27'06	1♏57	28°24	3°20	26°36	4°46	23° 7	17°31	2°17	14°35	26°D17	28° 0	12°14	n.a.	M 5
T 6	10 37 43	11°26'01	14°43	28°52	4°35	27°16	4°41	23°14	17°33	2°17	14°33	26°18	27°57	12°21	n.a.	T 6
W 7	10 41 40	12°24'55	27° 8	29°14	5°49	27°55	4°36	23°20	17°35	2°18	14°32	26°20	27°53	12°28	n.a.	W 7
T 8	10 45 36	13°23'46	9♐17	29°29	7° 3	28°34	4°31	23°27	17°36	2°19	14°31	26°R21	27°50	12°35	n.a.	T 8
F 9	10 49 33	14°22'36	21°16	29°37	8°17	29°14	4°26	23°34	17°38	2°19	14°29	26°21	27°47	12°41	n.a.	F 9
S 10	10 53 29	15°21'24	3♑ 8	29°R38	9°31	29°53	4°22	23°40	17°40	2°20	14°28	26°19	27°44	12°48	n.a.	S 10
S 11	10 57 26	16°20'11	15° 0	29°33	10°46	0♉32	4°17	23°47	17°43	2°21	14°26	26°15	27°41	12°55	n.a.	S 11
M12	11 1 23	17°18'55	26°54	29°22	12° 0	1°12	4°13	23°54	17°45	2°22	14°25	26°10	27°37	13° 1	n.a.	M12
T 13	11 5 19	18°17'38	8♒56	29° 4	13°14	1°51	4° 9	24° 1	17°47	2°22	14°23	26° 4	27°34	13° 8	n.a.	T 13
W14	11 9 16	19°16'18	21° 6	28°42	14°28	2°30	4° 5	24° 8	17°49	2°23	14°22	25°57	27°31	13°15	n.a.	W14
T 15	11 13 12	20°14'57	3♓29	28°14	15°42	3°10	4° 2	24°15	17°51	2°24	14°20	25°51	27°28	13°22	n.a.	T 15
F 16	11 17 9	21°13'33	16° 4	27°42	16°56	3°49	3°58	24°22	17°53	2°25	14°19	25°45	27°25	13°28	n.a.	F 16
S 17	11 21 5	22°12'08	28°51	27° 7	18°10	4°28	3°55	24°29	17°56	2°26	14°17	25°41	27°22	13°35	n.a.	S 17
S 18	11 25 2	23°10'40	11♈52	26°28	19°25	5° 7	3°52	24°36	17°58	2°27	14°16	25°39	27°18	13°42	n.a.	S 18
M19	11 28 58	24° 9'11	25° 5	25°48	20°39	5°46	3°49	24°43	18° 0	2°28	14°14	25°D38	27°15	13°48	n.a.	M19
T 20	11 32 55	25° 7'39	8♉31	25° 6	21°53	6°25	3°46	24°50	18° 3	2°29	14°13	25°38	27°12	13°55	n.a.	T 20
W21	11 36 51	26° 6'05	22° 8	24°23	23° 7	7° 4	3°43	24°57	18° 5	2°30	14°11	25°40	27° 9	14° 2	n.a.	W21
T 22	11 40 48	27° 4'29	5♊56	23°41	24°21	7°44	3°41	25° 5	18° 8	2°31	14°10	25°41	27° 6	14° 9	n.a.	T 22
F 23	11 44 45	28° 2'51	19°55	22°59	25°35	8°23	3°38	25°12	18°10	2°33	14° 8	25°42	27° 2	14°15	n.a.	F 23
S 24	11 48 41	29° 1'11	4♋ 4	22°20	26°49	9° 2	3°36	25°19	18°13	2°34	14° 6	25°R42	26°59	14°22	n.a.	S 24
S 25	11 52 38	29°59'28	18°21	21°42	28° 3	9°41	3°35	25°27	18°15	2°35	14° 5	25°41	26°56	14°29	n.a.	S 25
M26	11 56 34	0♈57'43	2♌43	21° 7	29°17	10°20	3°33	25°34	18°18	2°36	14° 3	25°39	26°53	14°35	n.a.	M26
T 27	12 0 31	1°55'56	17° 6	20°36	0♈31	10°59	3°31	25°41	18°21	2°37	14° 2	25°36	26°50	14°42	n.a.	T 27
W28	12 4 27	2°54'07	1♍27	20° 9	1°45	11°38	3°30	25°49	18°23	2°39	14° 0	25°33	26°47	14°49	n.a.	W28
T 29	12 8 24	3°52'15	15°39	19°45	2°59	12°17	3°29	25°56	18°26	2°40	13°58	25°30	26°43	14°56	n.a.	T 29
F 30	12 12 20	4°50'22	29°39	19°27	4°13	12°56	3°28	26° 4	18°29	2°41	13°57	25°28	26°40	15° 2	n.a.	F 30
S 31	12 16 17	5♈48'27	13♎21	19♓12	5♈27	13♉34	3♌27	26♈11	18♉32	2♊43	13♎55	25♎26	26♎37	15♑ 9	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9s13	5n29	3s54	0n22	2n26	13s30	1s25	9n51	0n29	20n32	1n22	6n54	2s12	17n 4	0s10	19n32	1s21	9n13	16n22	10s20	10s58	18s16			n.a.
F 2	8 51	0 49	2 57	0 54	2 37	13 4	1 25	10 6	0 29	20 33	1 21	6 56	2 11	17 4	0 10	19 32	1 21	9 14	16 22	10 18	10 57	18 16			n.a.
S 3	8 29	3s48	1 51	1 22	2 46	12 38	1 26	10 22	0 30	20 34	1 21	6 59	2 11	17 5	0 10	19 32	1 21	9 15	16 22	10 17	10 55	18 15			n.a.
S 4	8 7	8 4	0 40	1 47	2 55	12 11	1 26	10 37	0 30	20 36	1 21	7 1	2 11	17 5	0 10	19 33	1 21	9 15	16 23	10 16	10 54	18 14			n.a.
M 5	7 44	11 49	0n31	2 9	3 3	11 44	1 26	10 52	0 31	20 37	1 21	7 4	2 11	17 6	0 10	19 33	1 21	9 16	16 23	10 16	10 53	18 13			n.a.
T 6	7 22	14 53	1 38	2 26	3 10	11 17	1 26	11 7	0 32	20 38	1 21	7 6	2 11	17 6	0 10	19 33	1 21	9 17	16 23	10 16	10 52	18 12			n.a.
W 7	6 59	17 10	2 39	2 40	3 15	10 49	1 26	11 21	0 32	20 39	1 21	7 9	2 11	17 7	0 10	19 33	1 20	9 18	16 24	10 17	10 51	18 11			n.a.
T 8	6 36	18 37	3 32	2 50	3 20	10 21	1 26	11 36	0 33	20 40	1 21	7 12	2 10	17 8	0 10	19 33	1 20	9 18	16 24	10 17	10 50	18 11			n.a.
F 9	6 13	19 12	4 14	2 56	3 23	9 53	1 26	11 51	0 33	20 41	1 21	7 14	2 10	17 8	0 10	19 34	1 20	9 19	16 24	10 17	10 48	18 10			n.a.
S 10	5 50	18 56	4 45	2 58	3 24	9 24	1 25	12 5	0 34	20 42	1 21	7 17	2 10	17 9	0 10	19 34	1 20	9 20	16 24	10 16	10 47	18 9			n.a.
S 11	5 27	17 50	5 4	2 57	3 25	8 56	1 25	12 20	0 34	20 43	1 21	7 20	2 10	17 9	0 10	19 34	1 20	9 21	16 24	10 15	10 46	18 8			n.a.
M12	5 4	15 57	5 10	2 51	3 24	8 27	1 25	12 34	0 35	20 44	1 21	7 22	2 10	17 10	0 10	19 34	1 20	9 21	16 25	10 13	10 45	18 7			n.a.
T 13	4 41	13 23	5 2	2 42	3 21	7 58	1 24	12 49	0 35	20 45	1 20	7 25	2 9	17 11	0 10	19 34	1 20	9 22	16 25	10 11	10 44	18 6			n.a.
W14	4 18	10 12	4 41	2 29	3 17	7 28	1 24	13 3	0 36	20 46	1 20	7 28	2 9	17 11	0 10	19 35	1 20	9 23	16 25	10 8	10 43	18 5			n.a.
T 15	3 54	6 32	4 6	2 12	3 11	6 59	1 23	13 17	0 36	20 47	1 20	7 31	2 9	17 12	0 10	19 35	1 20	9 24	16 25	10 6	10 42	18 5			n.a.
F 16	3 31	2 31	3 19	1 53	3 4	6 29	1 23	13 31	0 37	20 47	1 20	7 33	2 9	17 12	0 10	19 35	1 20	9 24	16 26	10 4	10 40	18 4			n.a.
S 17	3 8	1n41	2 21	1 30	2 55	5 59	1 22	13 45	0 38	20 48	1 20	7 36	2 9	17 13	0 10	19 35	1 20	9 25	16 26	10 2	10 39	18 3			n.a.
S 18	2 44	5 53	1 14	1 6	2 45	5 29	1 21	13 59	0 38	20 49	1 20	7 39	2 9	17 14	0 10	19 36	1 20	9 26	16 26	10 2	10 38	18 2			n.a.
M19	2 21	9 52	0 3	0 39	2 33	4 59	1 20	14 12	0 39	20 49	1 20	7 42	2 9	17 15	0 10	19 36	1 20	9 27	16 26	10 1	10 37	18 1			n.a.
T 20	1 57	13 24	1s10	0 10	2 20	4 28	1 20	14 26	0 39	20 50	1 20	7 44	2 8	17 15	0 10	19 36	1 20	9 27	16 26	10 1	10 36	18 0			n.a.
W21	1 34	16 16	2 20	0s19	2 7	3 58	1 19	14 39	0 39	20 50	1 20	7 47	2 8	17 16	0 10	19 36	1 20	9 28	16 26	10 2	10 35	17 59			n.a.
T 22	1 11	18 13	3 23	0 50	1 52	3 27	1 18	14 53	0 40	20 51	1 19	7 50	2 8	17 17	0 10	19 37	1 20	9 29	16 26	10 3	10 33	17 58			n.a.
F 23	0 47	19 6	4 15	1 20	1 36	2 57	1 17	15 6	0 40	20 51	1 19	7 53	2 8	17 17	0 10	19 37	1 20	9 30	16 27	10 3	10 32	17 58			n.a.
S 24	0 24	18 48	4 52	1 51	1 21	2 26	1 16	15 19	0 41	20 51	1 19	7 56	2 8	17 18	0 10	19 37	1 20	9 30	16 27	10 3	10 31	17 57			n.a.
S 25	0 0	17 19	5 11	2 21	1 4	1 55	1 14	15 32	0 41	20 52	1 19	7 58	2 8	17 19	0 10	19 37	1 20	9 31	16 27	10 3	10 30	17 56			n.a.
M26	0n23	14 44	5 11	2 50	0 48	1 24	1 13	15 45	0 42	20 52	1 19	8 1	2 8	17 20	0 10	19 38	1 19	9 32	16 27	10 2	10 29	17 55			n.a.
T 27	0 47	11 15	4 52	3 17	0 31	0 53	1 12	15 58	0 42	20 52	1 19	8 4	2 7	17 20	0 10	19 38	1 19	9 32	16 27	10 1	10 28	17 54			n.a.
W28	1 10	7 7	4 15	3 43	0 15	0 22	1 11	16 11	0 43	20 52	1 19	8 7	2 7	17 21	0 10	19 38	1 19	9 33	16 27	10 0	10 27	17 53			n.a.
T 29	1 33	2 38	3 22	4 8	0s 2	0n 8	1 9	16 23	0 43	20 53	1 18	8 10	2 7	17 22	0 10	19 39	1 19	9 34	16 27	9 58	10 25	17 52			n.a.
F 30	1 57	1s57	2 17	4 30	0 18	0 39	1 8	16 36	0 44	20 53	1 18	8 13	2 7	17 23	0 10	19 39	1 19	9 34	16 27	9 58	10 24	17 51			n.a.
S 31	2n20	6s21	1s 6	4s49	0s33	1n10	1s 6	16n48	0n44	20n53	1n18	8n16	2s 7	17n23	0s10	19n39	1s19	9n35	16n27	9s57	10s23	17s50			n.a.

Julian Day Number = 1634187.5, Delta T = 03h40m09s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°22'02, Lahiri = - 7°15'01 Julian Calendar 1 March 239 BCE == Greg. Calendar 25 Feb. 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

APRIL 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 20 14	6♈46'30	26♎45	19°R 3	6♈41	14♉13	3°R27	26♈19	18♉35	2♊44	13°R53	25°D26	26♎34	15♑16	n.a.	S 1
M 2	12 24 10	7°44'32	9♏48	18°D58	7°55	14°52	3♌26	26°27	18°37	2°46	13♎52	25♎27	26°31	15°23	n.a.	M 2
T 3	12 28 7	8°42'32	22°32	18♓58	9° 8	15°31	3°26	26°34	18°40	2°47	13°50	25°28	26°28	15°29	n.a.	T 3
W 4	12 32 3	9°40'30	4♐58	19° 3	10°22	16°10	3°D26	26°42	18°43	2°49	13°48	25°29	26°24	15°36	n.a.	W 4
T 5	12 36 0	10°38'27	17° 9	19°13	11°36	16°49	3°26	26°50	18°46	2°50	13°47	25°30	26°21	15°43	n.a.	T 5
F 6	12 39 56	11°36'23	29°10	19°28	12°50	17°28	3°26	26°57	18°49	2°52	13°45	25°31	26°18	15°49	n.a.	F 6
S 7	12 43 53	12°34'17	11♑ 5	19°47	14° 4	18° 6	3°27	27° 5	18°52	2°53	13°43	25°R32	26°15	15°56	n.a.	S 7
S 8	12 47 49	13°32'10	22°58	20°10	15°18	18°45	3°27	27°13	18°55	2°55	13°42	25°31	26°12	16° 3	n.a.	S 8
M 9	12 51 46	14°30'02	4♒55	20°38	16°32	19°24	3°28	27°20	18°58	2°56	13°40	25°31	26° 8	16°10	n.a.	M 9
T 10	12 55 42	15°27'52	16°58	21° 9	17°46	20° 3	3°29	27°28	19° 1	2°58	13°38	25°30	26° 5	16°16	n.a.	T 10
W11	12 59 39	16°25'40	29°13	21°45	18°59	20°41	3°31	27°36	19° 4	2°59	13°37	25°28	26° 2	16°23	n.a.	W11
T 12	13 3 36	17°23'28	11♓42	22°25	20°13	21°20	3°32	27°44	19° 7	3° 1	13°35	25°27	25°59	16°30	n.a.	T 12
F 13	13 7 32	18°21'13	24°28	23° 8	21°27	21°59	3°34	27°52	19°11	3° 3	13°33	25°26	25°56	16°36	n.a.	F 13
S 14	13 11 29	19°18'58	7♈32	23°55	22°41	22°37	3°35	27°59	19°14	3° 5	13°31	25°26	25°53	16°43	n.a.	S 14
S 15	13 15 25	20°16'41	20°53	24°46	23°55	23°16	3°37	28° 7	19°17	3° 6	13°30	25°D25	25°49	16°50	n.a.	S 15
M16	13 19 22	21°14'23	4♉30	25°40	25° 8	23°55	3°39	28°15	19°20	3° 8	13°28	25°25	25°46	16°57	n.a.	M16
T 17	13 23 18	22°12'03	18°22	26°37	26°22	24°33	3°42	28°23	19°23	3°10	13°26	25°26	25°43	17° 3	n.a.	T 17
W18	13 27 15	23° 9'42	2♊25	27°37	27°36	25°12	3°44	28°31	19°27	3°12	13°25	25°26	25°40	17°10	n.a.	W18
T 19	13 31 11	24° 7'19	16°36	28°41	28°50	25°50	3°47	28°39	19°30	3°13	13°23	25°26	25°37	17°17	n.a.	T 19
F 20	13 35 8	25° 4'55	0♋51	29°47	0♉ 3	26°29	3°50	28°46	19°33	3°15	13°21	25°26	25°34	17°24	n.a.	F 20
S 21	13 39 5	26° 2'29	15° 8	0♈56	1°17	27° 8	3°53	28°54	19°36	3°17	13°20	25°R26	25°30	17°30	n.a.	S 21
S 22	13 43 1	27° 0'01	29°23	2° 8	2°31	27°46	3°56	29° 2	19°40	3°19	13°18	25°D26	25°27	17°37	n.a.	S 22
M23	13 46 58	27°57'32	13♌33	3°23	3°45	28°25	3°59	29°10	19°43	3°21	13°17	25°26	25°24	17°44	n.a.	M23
T 24	13 50 54	28°55'02	27°37	4°40	4°58	29° 3	4° 3	29°18	19°46	3°23	13°15	25°26	25°21	17°50	n.a.	T 24
W25	13 54 51	29°52'29	11♍32	6° 0	6°12	29°42	4° 6	29°26	19°50	3°25	13°13	25°27	25°18	17°57	n.a.	W25
T 26	13 58 47	0♉49'56	25°16	7°23	7°26	0♊20	4°10	29°34	19°53	3°27	13°12	25°27	25°14	18° 4	n.a.	T 26
F 27	14 2 44	1°47'21	8♎49	8°48	8°39	0°59	4°14	29°42	19°57	3°28	13°10	25°28	25°11	18°11	n.a.	F 27
S 28	14 6 40	2°44'44	22° 7	10°15	9°53	1°37	4°18	29°49	20° 0	3°30	13° 9	25°R28	25° 8	18°17	n.a.	S 28
S 29	14 10 37	3°42'07	5♏11	11°46	11° 7	2°15	4°23	29°57	20° 4	3°32	13° 7	25°28	25° 5	18°24	n.a.	S 29
M30	14 14 34	4♉39'29	18♏ 1	13♈18	12♉20	2♊54	4♌27	0♉ 5	20♉ 7	3♊34	13♎ 6	25♎27	25♎ 2	18♑31	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n43	10s19	0n 7	5s 7	0s48	1n41	1s 5	17n 0	0n45	20n53	1n18	8n18	2s 7	17n24	0s10	19n40	1s19	9n36	16n27	9s57	10s22	17s49		n.a.
M 2	3 6	13 41	1 19	5 22	1 2	2 12	1 3	17 12	0 45	20 53	1 18	8 21	2 7	17 25	0 10	19 40	1 19	9 36	16 27	9 57	10 21	17 48		n.a.
T 3	3 30	16 18	2 24	5 34	1 16	2 43	1 2	17 24	0 45	20 53	1 18	8 24	2 7	17 26	0 10	19 40	1 19	9 37	16 27	9 58	10 20	17 48		n.a.
W 4	3 53	18 5	3 21	5 44	1 28	3 14	1 0	17 36	0 46	20 52	1 18	8 27	2 6	17 27	0 10	19 41	1 19	9 38	16 27	9 58	10 18	17 47		n.a.
T 5	4 16	18 58	4 8	5 51	1 40	3 45	0 58	17 48	0 46	20 52	1 17	8 30	2 6	17 28	0 9	19 41	1 19	9 38	16 27	9 58	10 17	17 46		n.a.
F 6	4 39	19 0	4 44	5 56	1 52	4 16	0 57	17 59	0 47	20 52	1 17	8 33	2 6	17 28	0 9	19 41	1 19	9 39	16 27	9 59	10 16	17 45		n.a.
S 7	5 1	18 10	5 6	5 58	2 2	4 46	0 55	18 11	0 47	20 52	1 17	8 36	2 6	17 29	0 9	19 42	1 19	9 40	16 27	9 59	10 15	17 44		n.a.
S 8	5 24	16 33	5 16	5 57	2 12	5 17	0 53	18 22	0 47	20 51	1 17	8 39	2 6	17 30	0 9	19 42	1 19	9 40	16 27	9 59	10 14	17 43		n.a.
M 9	5 47	14 13	5 12	5 54	2 20	5 47	0 51	18 33	0 48	20 51	1 17	8 41	2 6	17 31	0 9	19 42	1 19	9 41	16 27	9 59	10 13	17 42		n.a.
T 10	6 9	11 15	4 54	5 49	2 28	6 17	0 49	18 44	0 48	20 51	1 17	8 44	2 6	17 32	0 9	19 43	1 19	9 41	16 27	9 58	10 11	17 41		n.a.
W11	6 32	7 46	4 23	5 41	2 36	6 48	0 47	18 55	0 49	20 50	1 16	8 47	2 6	17 33	0 9	19 43	1 19	9 42	16 27	9 58	10 10	17 40		n.a.
T 12	6 54	3 53	3 39	5 31	2 42	7 18	0 45	19 6	0 49	20 50	1 16	8 50	2 6	17 34	0 9	19 43	1 19	9 43	16 27	9 57	10 9	17 39		n.a.
F 13	7 17	0n16	2 43	5 19	2 47	7 47	0 43	19 16	0 49	20 49	1 16	8 53	2 6	17 34	0 9	19 44	1 19	9 43	16 27	9 57	10 8	17 38		n.a.
S 14	7 39	4 31	1 38	5 4	2 52	8 17	0 41	19 27	0 50	20 49	1 16	8 56	2 6	17 35	0 9	19 44	1 19	9 44	16 27	9 57	10 7	17 37		n.a.
S 15	8 1	8 38	0 25	4 47	2 56	8 47	0 39	19 37	0 50	20 48	1 16	8 59	2 6	17 36	0 9	19 44	1 19	9 44	16 27	9 57	10 6	17 36		n.a.
M16	8 23	12 23	0s50	4 29	2 59	9 16	0 37	19 47	0 51	20 47	1 16	9 2	2 5	17 37	0 9	19 45	1 19	9 45	16 27	9 57	10 4	17 35		n.a.
T 17	8 45	15 31	2 4	4 8	3 2	9 45	0 35	19 57	0 51	20 47	1 15	9 4	2 5	17 38	0 9	19 45	1 19	9 45	16 27	9 57	10 3	17 34		n.a.
W18	9 6	17 46	3 11	3 45	3 3	10 14	0 33	20 7	0 51	20 46	1 15	9 7	2 5	17 39	0 9	19 46	1 18	9 46	16 26	9 57	10 2	17 33		n.a.
T 19	9 28	18 56	4 7	3 21	3 4	10 42	0 31	20 17	0 52	20 45	1 15	9 10	2 5	17 40	0 9	19 46	1 18	9 46	16 26	9 57	10 1	17 32		n.a.
F 20	9 49	18 55	4 48	2 54	3 5	11 11	0 28	20 26	0 52	20 44	1 15	9 13	2 5	17 41	0 9	19 46	1 18	9 47	16 26	9 57	10 0	17 31		n.a.
S 21	10 10	17 41	5 12	2 26	3 4	11 39	0 26	20 36	0 52	20 43	1 15	9 16	2 5	17 42	0 9	19 47	1 18	9 47	16 26	9 57	9 59	17 30		n.a.
S 22	10 31	15 22	5 16	1 56	3 3	12 7	0 24	20 45	0 53	20 42	1 15	9 19	2 5	17 43	0 9	19 47	1 18	9 48	16 26	9 57	9 57	17 30		n.a.
M23	10 52	12 8	5 1	1 25	3 1	12 34	0 22	20 54	0 53	20 42	1 15	9 22	2 5	17 43	0 9	19 48	1 18	9 48	16 26	9 57	9 56	17 29		n.a.
T 24	11 13	8 15	4 29	0 51	2 59	13 2	0 19	21 3	0 53	20 41	1 14	9 24	2 5	17 44	0 9	19 48	1 18	9 49	16 25	9 57	9 55	17 28		n.a.
W25	11 34	3 56	3 40	0 17	2 56	13 29	0 17	21 12	0 54	20 39	1 14	9 27	2 5	17 45	0 9	19 48	1 18	9 49	16 25	9 57	9 54	17 27		n.a.
T 26	11 54	0s32	2 40	0n20	2 52	13 55	0 15	21 20	0 54	20 38	1 14	9 30	2 5	17 46	0 9	19 49	1 18	9 49	16 25	9 57	9 53	17 26		n.a.
F 27	12 14	4 55	1 31	0 58	2 48	14 22	0 12	21 29	0 54	20 37	1 14	9 33	2 5	17 47	0 9	19 49	1 18	9 50	16 25	9 58	9 51	17 25		n.a.
S 28	12 34	9 0	0 19	1 37	2 43	14 48	0 10	21 37	0 55	20 36	1 14	9 36	2 5	17 48	0 9	19 50	1 18	9 50	16 25	9 58	9 50	17 24		n.a.
S 29	12 54	12 34	0n54	2 17	2 38	15 13	0 8	21 45	0 55	20 35	1 14	9 39	2 5	17 49	0 9	19 50	1 18	9 51	16 24	9 58	9 49	17 23		n.a.
M30	13n14	15s27	2n 2	2n59	2s32	15n38	0s 5	21n53	0n55	20n34	1n13	9n41	2s 5	17n50	0s 9	19n50	1s18	9n51	16n24	9s57	9s48	17s22		n.a.

Julian Day Number = 1634218.5, Delta T = 03h40m08s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'58, Lahiri = - 7°14'57 Julian Calendar 1 Apr. 239 BCE == Greg. Calendar 28 March 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

MAY 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 18 30	5♉36'50	0♐35	14♈54	13♉34	3♊32	4♌32	0♉13	20♉10	3♊36	13°R 4	25°R26	24♎59	18♑37	n.a.	T 1
W 2	14 22 27	6°34'09	12°56	16°31	14°48	4°11	4°37	0°21	20°14	3°38	13♎ 3	25♎25	24°55	18°44	n.a.	W 2
T 3	14 26 23	7°31'29	25° 6	18°11	16° 1	4°49	4°41	0°29	20°17	3°40	13° 1	25°23	24°52	18°51	n.a.	T 3
F 4	14 30 20	8°28'47	7♑ 6	19°54	17°15	5°27	4°47	0°37	20°21	3°43	13° 0	25°22	24°49	18°58	n.a.	F 4
S 5	14 34 16	9°26'05	19° 1	21°39	18°28	6° 6	4°52	0°44	20°24	3°45	12°58	25°20	24°46	19° 4	n.a.	S 5
S 6	14 38 13	10°23'22	0♒55	23°27	19°42	6°44	4°57	0°52	20°28	3°47	12°57	25°19	24°43	19°11	n.a.	S 6
M 7	14 42 9	11°20'38	12°51	25°17	20°56	7°22	5° 3	1° 0	20°31	3°49	12°55	25°D19	24°39	19°18	n.a.	M 7
T 8	14 46 6	12°17'54	24°54	27° 9	22° 9	8° 1	5° 8	1° 8	20°35	3°51	12°54	25°19	24°36	19°25	n.a.	T 8
W 9	14 50 3	13°15'09	7♓ 9	29° 3	23°23	8°39	5°14	1°16	20°38	3°53	12°52	25°21	24°33	19°31	n.a.	W 9
T 10	14 53 59	14°12'24	19°40	1♉ 0	24°36	9°17	5°20	1°23	20°42	3°55	12°51	25°22	24°30	19°38	n.a.	T 10
F 11	14 57 56	15° 9'38	2♈31	2°59	25°50	9°56	5°26	1°31	20°45	3°57	12°50	25°23	24°27	19°45	n.a.	F 11
S 12	15 1 52	16° 6'52	15°44	5° 0	27° 3	10°34	5°33	1°39	20°49	3°59	12°48	25°24	24°24	19°51	n.a.	S 12
S 13	15 5 49	17° 4'06	29°20	7° 3	28°17	11°12	5°39	1°47	20°53	4° 2	12°47	25°R24	24°20	19°58	n.a.	S 13
M14	15 9 45	18° 1'18	13♉17	9° 8	29°31	11°50	5°45	1°54	20°56	4° 4	12°46	25°24	24°17	20° 5	n.a.	M14
T 15	15 13 42	18°58'31	27°34	11°15	0♊44	12°29	5°52	2° 2	21° 0	4° 6	12°44	25°22	24°14	20°12	n.a.	T 15
W16	15 17 38	19°55'43	12♊ 4	13°23	1°58	13° 7	5°59	2°10	21° 3	4° 8	12°43	25°19	24°11	20°18	n.a.	W16
T 17	15 21 35	20°52'54	26°42	15°32	3°11	13°45	6° 6	2°17	21° 7	4°10	12°42	25°15	24° 8	20°25	n.a.	T 17
F 18	15 25 32	21°50'04	11♋22	17°42	4°25	14°24	6°13	2°25	21°10	4°12	12°41	25°12	24° 5	20°32	n.a.	F 18
S 19	15 29 28	22°47'14	25°55	19°53	5°38	15° 2	6°20	2°32	21°14	4°15	12°40	25° 9	24° 1	20°38	n.a.	S 19
S 20	15 33 25	23°44'23	10♌19	22° 4	6°52	15°40	6°27	2°40	21°17	4°17	12°38	25° 7	23°58	20°45	n.a.	S 20
M21	15 37 21	24°41'32	24°28	24°15	8° 5	16°18	6°35	2°47	21°21	4°19	12°37	25°D 7	23°55	20°52	n.a.	M21
T 22	15 41 18	25°38'39	8♍22	26°27	9°19	16°56	6°42	2°55	21°24	4°21	12°36	25° 7	23°52	20°59	n.a.	T 22
W23	15 45 14	26°35'46	22° 1	28°38	10°32	17°35	6°50	3° 2	21°28	4°23	12°35	25° 9	23°49	21° 5	n.a.	W23
T 24	15 49 11	27°32'53	5♎24	0♊48	11°46	18°13	6°58	3°10	21°32	4°26	12°34	25°10	23°45	21°12	n.a.	T 24
F 25	15 53 7	28°29'59	18°33	2°57	12°59	18°51	7° 6	3°17	21°35	4°28	12°33	25°R11	23°42	21°19	n.a.	F 25
S 26	15 57 4	29°27'04	1♏28	5° 6	14°13	19°29	7°14	3°25	21°39	4°30	12°32	25°11	23°39	21°26	n.a.	S 26
S 27	16 1 1	0♊24'10	14°12	7°13	15°26	20° 7	7°22	3°32	21°42	4°32	12°31	25°10	23°36	21°32	n.a.	S 27
M28	16 4 57	1°21'15	26°44	9°18	16°39	20°45	7°30	3°39	21°46	4°35	12°30	25° 6	23°33	21°39	n.a.	M28
T 29	16 8 54	2°18'20	9♐ 6	11°22	17°53	21°23	7°39	3°47	21°49	4°37	12°29	25° 1	23°30	21°46	n.a.	T 29
W30	16 12 50	3°15'25	21°18	13°25	19° 6	22° 2	7°47	3°54	21°53	4°39	12°28	24°55	23°26	21°52	n.a.	W30
T 31	16 16 47	4♊12'30	3♑22	15♊25	20♊20	22♊40	7♌56	4♉ 1	21♉56	4♊41	12♎27	24♎48	23♎23	21♑59	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	13n33	17s33	3n 2	3n43	2s25	16n 3	0s 3	22n 1	0n56	20n32	1n13	9n44	2s 5	17n51	0s 9	19n51	1s18	9n51	16n24	9s57	9s47	17s21		n.a.	T 1
W 2	13 52	18 46	3 53	4 27	2 18	16 28	0 0	22 9	0 56	20 31	1 13	9 47	2 5	17 52	0 9	19 51	1 18	9 52	16 23	9 57	9 46	17 20		n.a.	W 2
T 3	14 11	19 5	4 33	5 13	2 10	16 52	0n 2	22 16	0 56	20 30	1 13	9 50	2 5	17 53	0 9	19 52	1 18	9 52	16 23	9 56	9 44	17 19		n.a.	T 3
F 4	14 30	18 32	5 0	5 59	2 2	17 15	0 4	22 23	0 56	20 28	1 13	9 52	2 5	17 54	0 9	19 52	1 18	9 52	16 23	9 55	9 43	17 18		n.a.	F 4
S 5	14 48	17 10	5 14	6 47	1 54	17 38	0 7	22 31	0 57	20 27	1 13	9 55	2 5	17 55	0 9	19 52	1 18	9 53	16 23	9 55	9 42	17 17		n.a.	S 5
S 6	15 7	15 5	5 14	7 35	1 45	18 1	0 9	22 38	0 57	20 26	1 13	9 58	2 5	17 56	0 9	19 53	1 18	9 53	16 22	9 54	9 41	17 16		n.a.	S 6
M 7	15 25	12 20	5 1	8 25	1 35	18 23	0 12	22 44	0 57	20 24	1 12	10 1	2 5	17 57	0 9	19 53	1 18	9 53	16 22	9 54	9 40	17 15		n.a.	M 7
T 8	15 43	9 4	4 35	9 15	1 26	18 45	0 14	22 51	0 58	20 22	1 12	10 3	2 5	17 58	0 9	19 54	1 18	9 53	16 22	9 55	9 39	17 14		n.a.	T 8
W 9	16 0	5 21	3 56	10 5	1 16	19 6	0 16	22 57	0 58	20 21	1 12	10 6	2 5	17 59	0 9	19 54	1 18	9 54	16 21	9 55	9 37	17 13		n.a.	W 9
T 10	16 17	1 19	3 4	10 56	1 5	19 27	0 19	23 4	0 58	20 19	1 12	10 9	2 5	18 0	0 9	19 55	1 18	9 54	16 21	9 55	9 36	17 12		n.a.	T 10
F 11	16 34	2n53	2 3	11 48	0 55	19 47	0 21	23 10	0 58	20 18	1 12	10 12	2 5	18 0	0 9	19 55	1 18	9 54	16 21	9 56	9 35	17 11		n.a.	F 11
S 12	16 51	7 5	0 53	12 39	0 44	20 7	0 24	23 16	0 59	20 16	1 12	10 14	2 5	18 1	0 9	19 55	1 18	9 54	16 20	9 56	9 34	17 9		n.a.	S 12
S 13	17 8	11 2	0s22	13 30	0 33	20 26	0 26	23 21	0 59	20 14	1 12	10 17	2 5	18 2	0 9	19 56	1 18	9 54	16 20	9 56	9 33	17 8		n.a.	S 13
M14	17 24	14 29	1 37	14 21	0 22	20 45	0 28	23 27	0 59	20 12	1 11	10 20	2 5	18 3	0 9	19 56	1 18	9 55	16 20	9 56	9 31	17 7		n.a.	M14
T 15	17 40	17 8	2 48	15 12	0 12	21 3	0 31	23 32	0 59	20 11	1 11	10 22	2 5	18 4	0 9	19 57	1 18	9 55	16 19	9 55	9 30	17 6		n.a.	T 15
W16	17 56	18 44	3 49	16 2	0 1	21 20	0 33	23 38	1 0	20 9	1 11	10 25	2 5	18 5	0 9	19 57	1 18	9 55	16 19	9 54	9 29	17 5		n.a.	W16
T 17	18 11	19 5	4 35	16 51	0n10	21 37	0 35	23 43	1 0	20 7	1 11	10 27	2 5	18 6	0 9	19 57	1 18	9 55	16 18	9 53	9 28	17 4		n.a.	T 17
F 18	18 26	18 11	5 4	17 38	0 21	21 53	0 38	23 48	1 0	20 5	1 11	10 30	2 5	18 7	0 9	19 58	1 18	9 55	16 18	9 52	9 27	17 3		n.a.	F 18
S 19	18 41	16 5	5 13	18 25	0 31	22 9	0 40	23 52	1 0	20 3	1 11	10 33	2 5	18 8	0 9	19 58	1 18	9 55	16 18	9 51	9 26	17 2		n.a.	S 19
S 20	18 56	13 1	5 2	19 9	0 41	22 24	0 42	23 57	1 1	20 1	1 11	10 35	2 5	18 9	0 9	19 59	1 18	9 55	16 17	9 50	9 24	17 1		n.a.	S 20
M21	19 10	9 14	4 33	19 52	0 50	22 39	0 44	24 1	1 1	19 59	1 10	10 38	2 5	18 10	0 9	19 59	1 18	9 55	16 17	9 50	9 23	17 0		n.a.	M21
T 22	19 24	5 0	3 48	20 33	0 59	22 52	0 46	24 5	1 1	19 57	1 10	10 40	2 5	18 11	0 9	20 0	1 18	9 55	16 16	9 50	9 22	16 59		n.a.	T 22
W23	19 37	0 35	2 51	21 11	1 8	23 6	0 49	24 9	1 1	19 55	1 10	10 43	2 5	18 12	0 9	20 0	1 18	9 55	16 16	9 50	9 21	16 58		n.a.	W23
T 24	19 51	3s47	1 46	21 47	1 15	23 18	0 51	24 13	1 2	19 53	1 10	10 45	2 5	18 13	0 9	20 0	1 18	9 55	16 16	9 51	9 20	16 57		n.a.	T 24
F 25	20 4	7 54	0 36	22 21	1 23	23 30	0 53	24 16	1 2	19 51	1 10	10 48	2 5	18 14	0 9	20 1	1 18	9 55	16 15	9 51	9 18	16 56		n.a.	F 25
S 26	20 16	11 35	0n34	22 52	1 29	23 41	0 55	24 20	1 2	19 48	1 10	10 50	2 5	18 15	0 9	20 1	1 18	9 55	16 15	9 51	9 17	16 55		n.a.	S 26
S 27	20 29	14 40	1 42	23 20	1 35	23 51	0 57	24 23	1 2	19 46	1 10	10 53	2 5	18 16	0 9	20 2	1 17	9 55	16 14	9 51	9 16	16 54		n.a.	S 27
M28	20 40	17 1	2 43	23 46	1 41	24 1	0 59	24 26	1 2	19 44	1 10	10 55	2 5	18 17	0 9	20 2	1 17	9 55	16 14	9 50	9 15	16 53		n.a.	M28
T 29	20 52	18 31	3 36	24 9	1 45	24 10	1 1	24 29	1 3	19 42	1 10	10 58	2 5	18 18	0 9	20 3	1 17	9 55	16 13	9 48	9 14	16 52		n.a.	T 29
W30	21 3	19 8	4 18	24 29	1 49	24 19	1 3	24 31	1 3	19 39	1 9	11 0	2 5	18 18	0 9	20 3	1 17	9 55	16 13	9 46	9 13	16 51		n.a.	W30
T 31	21n14	18s53	4n48	24n46	1n52	24n26	1n 5	24n34	1n 3	19n37	1n 9	11n 2	2s 5	18n19	0s 9	20n 3	1s17	9n55	16n12	9s43	9s11	16s50		n.a.	T 31

Julian Day Number = 1634248.5, Delta T = 03h40m07s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'54, Lahiri = - 7°14'53 Julian Calendar 1 May 239 BCE == Greg. Calendar 27 Apr. 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

JUNE 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 20 43	5♊ 9'35	15♑20	17♊24	21♊33	23♊18	8♌ 5	4♉ 8	22♉ 0	4♊43	12°R26	24°R41	23♎20	22♑ 6	n.a.	F 1
S 2	16 24 40	6° 6'40	27°13	19°21	22°46	23°56	8°14	4°15	22° 3	4°46	12♎26	24♎35	23°17	22°13	n.a.	S 2
S 3	16 28 37	7° 3'46	9♒ 6	21°16	24° 0	24°34	8°23	4°22	22° 7	4°48	12°25	24°30	23°14	22°19	n.a.	S 3
M 4	16 32 33	8° 0'52	21° 0	23° 9	25°13	25°12	8°32	4°29	22°10	4°50	12°24	24°26	23°11	22°26	n.a.	M 4
T 5	16 36 30	8°57'58	3♓ 2	25° 0	26°27	25°50	8°41	4°36	22°13	4°52	12°23	24°25	23° 7	22°33	n.a.	T 5
W 6	16 40 26	9°55'05	15°15	26°49	27°40	26°28	8°50	4°43	22°17	4°55	12°23	24°D25	23° 4	22°40	n.a.	W 6
T 7	16 44 23	10°52'12	27°43	28°36	28°53	27° 7	8°59	4°50	22°20	4°57	12°22	24°26	23° 1	22°46	n.a.	T 7
F 8	16 48 19	11°49'19	10♈33	0♋21	0♋ 7	27°45	9° 9	4°57	22°24	4°59	12°21	24°27	22°58	22°53	n.a.	F 8
S 9	16 52 16	12°46'27	23°47	2° 4	1°20	28°23	9°18	5° 4	22°27	5° 1	12°21	24°R28	22°55	23° 0	n.a.	S 9
S 10	16 56 12	13°43'36	7♉28	3°45	2°33	29° 1	9°28	5°11	22°30	5° 4	12°20	24°27	22°51	23° 6	n.a.	S 10
M11	17 0 9	14°40'45	21°36	5°24	3°47	29°39	9°38	5°17	22°34	5° 6	12°20	24°24	22°48	23°13	n.a.	M11
T 12	17 4 6	15°37'55	6♊ 9	7° 1	5° 0	0♋17	9°48	5°24	22°37	5° 8	12°19	24°19	22°45	23°20	n.a.	T 12
W13	17 8 2	16°35'05	21° 0	8°36	6°13	0°55	9°57	5°31	22°40	5°10	12°19	24°13	22°42	23°27	n.a.	W13
T 14	17 11 59	17°32'15	6♋ 2	10° 9	7°27	1°33	10° 7	5°37	22°44	5°12	12°18	24° 5	22°39	23°33	n.a.	T 14
F 15	17 15 55	18°29'26	21° 4	11°40	8°40	2°11	10°18	5°44	22°47	5°15	12°18	23°57	22°36	23°40	n.a.	F 15
S 16	17 19 52	19°26'38	5♌59	13° 9	9°53	2°49	10°28	5°50	22°50	5°17	12°17	23°50	22°32	23°47	n.a.	S 16
S 17	17 23 48	20°23'49	20°38	14°36	11° 7	3°28	10°38	5°57	22°54	5°19	12°17	23°45	22°29	23°54	n.a.	S 17
M18	17 27 45	21°21'01	4♍55	16° 0	12°20	4° 6	10°48	6° 3	22°57	5°21	12°17	23°42	22°26	24° 0	n.a.	M18
T 19	17 31 41	22°18'13	18°50	17°23	13°33	4°44	10°59	6° 9	23° 0	5°23	12°16	23°D40	22°23	24° 7	n.a.	T 19
W20	17 35 38	23°15'25	2♎23	18°43	14°46	5°22	11° 9	6°16	23° 3	5°25	12°16	23°41	22°20	24°14	n.a.	W20
T 21	17 39 35	24°12'37	15°34	20° 2	16° 0	6° 0	11°20	6°22	23° 6	5°28	12°16	23°41	22°17	24°20	n.a.	T 21
F 22	17 43 31	25° 9'50	28°28	21°17	17°13	6°38	11°31	6°28	23°10	5°30	12°16	23°R41	22°13	24°27	n.a.	F 22
S 23	17 47 28	26° 7'04	11♏ 7	22°31	18°26	7°16	11°41	6°34	23°13	5°32	12°16	23°40	22°10	24°34	n.a.	S 23
S 24	17 51 24	27° 4'18	23°34	23°42	19°39	7°54	11°52	6°40	23°16	5°34	12°15	23°36	22° 7	24°41	n.a.	S 24
M25	17 55 21	28° 1'33	5♐52	24°51	20°52	8°32	12° 3	6°46	23°19	5°36	12°15	23°30	22° 4	24°47	n.a.	M25
T 26	17 59 17	28°58'49	18° 1	25°57	22° 6	9°10	12°14	6°52	23°22	5°38	12°15	23°21	22° 1	24°54	n.a.	T 26
W27	18 3 14	29°56'05	0♑ 4	27° 1	23°19	9°48	12°25	6°58	23°25	5°40	12°D15	23°10	21°57	25° 1	n.a.	W27
T 28	18 7 10	0♋53'22	12° 2	28° 2	24°32	10°27	12°36	7° 3	23°28	5°42	12°15	22°58	21°54	25° 7	n.a.	T 28
F 29	18 11 7	1°50'40	23°57	29° 0	25°45	11° 5	12°47	7° 9	23°31	5°44	12°15	22°46	21°51	25°14	n.a.	F 29
S 30	18 15 4	2♋48'00	5♒49	29♋55	26♋58	11♋43	12♌59	7♉15	23♉34	5♊46	12♎15	22♎34	21♎48	25♑21	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n25	17s47	5n 5	25n 1	1n55	24n33	1n 7	24n36	1n 3	19n34	1n 9	11n 5	2s 5	18n20	0s 9	20n 4	1s17	9n55	16n12	9s40	9s10	16s48		n.a.
S 2	21 35	15 55	5 9	25 13	1 56	24 40	1 8	24 38	1 3	19 32	1 9	11 7	2 6	18 21	0 9	20 4	1 17	9 55	16 11	9 38	9 9	16 47		n.a.
S 3	21 45	13 23	4 59	25 23	1 58	24 45	1 10	24 40	1 4	19 30	1 9	11 10	2 6	18 22	0 9	20 5	1 17	9 54	16 11	9 36	9 8	16 46		n.a.
M 4	21 54	10 18	4 37	25 30	1 58	24 50	1 12	24 42	1 4	19 27	1 9	11 12	2 6	18 23	0 9	20 5	1 17	9 54	16 10	9 35	9 7	16 45		n.a.
T 5	22 3	6 45	4 2	25 35	1 58	24 54	1 13	24 43	1 4	19 25	1 9	11 14	2 6	18 24	0 9	20 5	1 17	9 54	16 10	9 34	9 5	16 44		n.a.
W 6	22 12	2 53	3 16	25 38	1 57	24 57	1 15	24 45	1 4	19 22	1 9	11 16	2 6	18 25	0 9	20 6	1 17	9 54	16 9	9 34	9 4	16 43		n.a.
T 7	22 20	1n13	2 19	25 38	1 55	25 0	1 17	24 46	1 4	19 19	1 9	11 19	2 6	18 26	0 9	20 6	1 17	9 54	16 9	9 35	9 3	16 42		n.a.
F 8	22 28	5 22	1 14	25 36	1 53	25 1	1 18	24 47	1 5	19 17	1 8	11 21	2 6	18 27	0 9	20 7	1 17	9 53	16 8	9 35	9 2	16 41		n.a.
S 9	22 36	9 24	0 4	25 33	1 50	25 2	1 20	24 47	1 5	19 14	1 8	11 23	2 6	18 27	0 9	20 7	1 17	9 53	16 8	9 35	9 1	16 40		n.a.
S 10	22 43	13 4	1s10	25 27	1 47	25 3	1 21	24 48	1 5	19 11	1 8	11 25	2 6	18 28	0 9	20 8	1 17	9 53	16 7	9 35	8 59	16 39		n.a.
M11	22 50	16 7	2 21	25 20	1 43	25 2	1 22	24 48	1 5	19 9	1 8	11 27	2 6	18 29	0 9	20 8	1 17	9 53	16 7	9 34	8 58	16 38		n.a.
T 12	22 56	18 14	3 25	25 11	1 39	25 1	1 24	24 49	1 5	19 6	1 8	11 30	2 6	18 30	0 9	20 8	1 17	9 52	16 6	9 32	8 57	16 36		n.a.
W13	23 2	19 9	4 16	25 0	1 34	24 59	1 25	24 49	1 5	19 3	1 8	11 32	2 6	18 31	0 9	20 9	1 17	9 52	16 6	9 30	8 56	16 35		n.a.
T 14	23 8	18 44	4 51	24 48	1 28	24 56	1 26	24 48	1 6	19 0	1 8	11 34	2 7	18 32	0 9	20 9	1 17	9 52	16 5	9 27	8 55	16 34		n.a.
F 15	23 13	17 1	5 5	24 34	1 22	24 53	1 27	24 48	1 6	18 57	1 8	11 36	2 7	18 33	0 9	20 10	1 17	9 51	16 4	9 24	8 53	16 33		n.a.
S 16	23 18	14 10	4 59	24 19	1 16	24 49	1 28	24 47	1 6	18 54	1 8	11 38	2 7	18 33	0 9	20 10	1 17	9 51	16 4	9 21	8 52	16 32		n.a.
S 17	23 22	10 28	4 33	24 3	1 9	24 44	1 29	24 47	1 6	18 52	1 8	11 40	2 7	18 34	0 9	20 10	1 17	9 51	16 3	9 19	8 51	16 31		n.a.
M18	23 26	6 15	3 50	23 46	1 2	24 38	1 30	24 46	1 6	18 49	1 8	11 42	2 7	18 35	0 9	20 11	1 17	9 50	16 3	9 18	8 50	16 30		n.a.
T 19	23 30	1 47	2 55	23 28	0 54	24 32	1 31	24 44	1 6	18 46	1 7	11 44	2 7	18 36	0 9	20 11	1 17	9 50	16 2	9 18	8 49	16 29		n.a.
W20	23 33	2s39	1 51	23 9	0 46	24 25	1 32	24 43	1 6	18 43	1 7	11 46	2 7	18 37	0 9	20 11	1 17	9 49	16 2	9 18	8 47	16 28		n.a.
T 21	23 36	6 52	0 43	22 49	0 37	24 17	1 32	24 42	1 7	18 40	1 7	11 48	2 7	18 38	0 9	20 12	1 17	9 49	16 1	9 18	8 46	16 26		n.a.
F 22	23 38	10 40	0n26	22 28	0 28	24 8	1 33	24 40	1 7	18 36	1 7	11 50	2 7	18 38	0 9	20 12	1 17	9 49	16 1	9 18	8 45	16 25		n.a.
S 23	23 40	13 53	1 32	22 7	0 19	23 59	1 34	24 38	1 7	18 33	1 7	11 52	2 8	18 39	0 9	20 13	1 17	9 48	16 0	9 18	8 44	16 24		n.a.
S 24	23 41	16 26	2 32	21 45	0 9	23 49	1 34	24 36	1 7	18 30	1 7	11 54	2 8	18 40	0 9	20 13	1 17	9 48	15 59	9 16	8 43	16 23		n.a.
M25	23 42	18 11	3 25	21 23	0s 1	23 38	1 35	24 34	1 7	18 27	1 7	11 55	2 8	18 41	0 9	20 13	1 17	9 47	15 59	9 14	8 41	16 22		n.a.
T 26	23 43	19 4	4 7	21 1	0 12	23 27	1 35	24 31	1 7	18 24	1 7	11 57	2 8	18 42	0 9	20 14	1 17	9 47	15 58	9 11	8 40	16 21		n.a.
W27	23 43	19 5	4 38	20 38	0 22	23 15	1 35	24 28	1 7	18 21	1 7	11 59	2 8	18 42	0 9	20 14	1 17	9 46	15 58	9 6	8 39	16 20		n.a.
T 28	23 43	18 15	4 56	20 15	0 34	23 2	1 35	24 26	1 7	18 17	1 7	12 1	2 8	18 43	0 9	20 14	1 17	9 46	15 57	9 2	8 38	16 18		n.a.
F 29	23 43	16 37	5 2	19 52	0 45	22 49	1 36	24 23	1 8	18 14	1 7	12 2	2 8	18 44	0 9	20 15	1 17	9 45	15 57	8 57	8 37	16 17		n.a.
S 30	23n42	14s18	4n54	19n29	0s56	22n35	1n36	24n19	1n 8	18n11	1n 7	12n 4	2s 8	18n45	0s 9	20n15	1s17	9n44	15n56	8s53	8s35	16s16		n.a.

Julian Day Number = 1634279.5, Delta T = 03h40m06s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'49, Lahiri = - 7°14'49 Julian Calendar 1 June 239 BCE == Greg. Calendar 28 May 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

JULY 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 19 0	3♋45'20	17♒41	0♌47	28♋11	12♋21	13♌10	7♉20	23♉37	5♊48	12♎16	22°R24	21♎45	25♑28	n.a.	S 1
M 2	18 22 57	4°42'41	29°35	1°36	29°24	12°59	13°21	7°26	23°40	5°50	12°16	22♎17	21°42	25°34	n.a.	M 2
T 3	18 26 53	5°40'04	11♓36	2°21	0♌37	13°37	13°33	7°31	23°43	5°52	12°16	22°12	21°38	25°41	n.a.	T 3
W 4	18 30 50	6°37'28	23°47	3° 3	1°50	14°15	13°44	7°36	23°45	5°54	12°16	22°10	21°35	25°48	n.a.	W 4
T 5	18 34 46	7°34'53	6♈13	3°41	3° 3	14°53	13°56	7°42	23°48	5°56	12°16	22°D 9	21°32	25°55	n.a.	T 5
F 6	18 38 43	8°32'20	18°58	4°15	4°16	15°31	14° 8	7°47	23°51	5°58	12°17	22°R 9	21°29	26° 1	n.a.	F 6
S 7	18 42 39	9°29'48	2♉ 8	4°45	5°29	16°10	14°19	7°52	23°54	6° 0	12°17	22° 9	21°26	26° 8	n.a.	S 7
S 8	18 46 36	10°27'18	15°46	5°11	6°42	16°48	14°31	7°57	23°56	6° 2	12°17	22° 7	21°22	26°15	n.a.	S 8
M 9	18 50 33	11°24'49	29°52	5°32	7°55	17°26	14°43	8° 2	23°59	6° 4	12°18	22° 3	21°19	26°21	n.a.	M 9
T 10	18 54 29	12°22'21	14♊27	5°48	9° 8	18° 4	14°55	8° 7	24° 2	6° 6	12°18	21°57	21°16	26°28	n.a.	T 10
W11	18 58 26	13°19'55	29°26	6° 0	10°21	18°42	15° 7	8°12	24° 4	6° 8	12°19	21°48	21°13	26°35	n.a.	W11
T 12	19 2 22	14°17'31	14♋39	6° 7	11°34	19°20	15°19	8°16	24° 7	6°10	12°19	21°37	21°10	26°42	n.a.	T 12
F 13	19 6 19	15°15'08	29°57	6°R 8	12°47	19°58	15°31	8°21	24° 9	6°12	12°20	21°27	21° 7	26°48	n.a.	F 13
S 14	19 10 15	16°12'46	15♌ 8	6° 4	14° 0	20°37	15°43	8°25	24°12	6°13	12°20	21°17	21° 3	26°55	n.a.	S 14
S 15	19 14 12	17°10'25	0♍ 2	5°54	15°13	21°15	15°55	8°30	24°14	6°15	12°21	21° 9	21° 0	27° 2	n.a.	S 15
M16	19 18 9	18° 8'05	14°32	5°39	16°26	21°53	16° 7	8°34	24°17	6°17	12°21	21° 4	20°57	27° 9	n.a.	M16
T 17	19 22 5	19° 5'46	28°35	5°18	17°39	22°31	16°19	8°38	24°19	6°19	12°22	21° 1	20°54	27°15	n.a.	T 17
W18	19 26 2	20° 3'29	12♎11	4°52	18°51	23° 9	16°31	8°43	24°21	6°20	12°23	21° 0	20°51	27°22	n.a.	W18
T 19	19 29 58	21° 1'13	25°21	4°20	20° 4	23°48	16°44	8°47	24°24	6°22	12°24	21° 0	20°48	27°29	n.a.	T 19
F 20	19 33 55	21°58'58	8♏ 9	3°43	21°17	24°26	16°56	8°51	24°26	6°24	12°24	21° 0	20°44	27°35	n.a.	F 20
S 21	19 37 51	22°56'44	20°40	3° 2	22°30	25° 4	17° 8	8°55	24°28	6°25	12°25	20°58	20°41	27°42	n.a.	S 21
S 22	19 41 48	23°54'32	2♐58	2°16	23°43	25°42	17°21	8°59	24°31	6°27	12°26	20°53	20°38	27°49	n.a.	S 22
M23	19 45 44	24°52'21	15° 5	1°27	24°55	26°20	17°33	9° 2	24°33	6°29	12°27	20°46	20°35	27°56	n.a.	M23
T 24	19 49 41	25°50'11	27° 6	0°36	26° 8	26°59	17°46	9° 6	24°35	6°30	12°28	20°36	20°32	28° 2	n.a.	T 24
W25	19 53 38	26°48'03	9♑ 3	29♋42	27°20	27°37	17°58	9°10	24°37	6°32	12°29	20°24	20°28	28° 9	n.a.	W25
T 26	19 57 34	27°45'57	20°56	28°48	28°33	28°15	18°11	9°13	24°39	6°34	12°30	20°10	20°25	28°16	n.a.	T 26
F 27	20 1 31	28°43'52	2♒49	27°54	29°46	28°53	18°23	9°16	24°41	6°35	12°31	19°56	20°22	28°23	n.a.	F 27
S 28	20 5 27	29°41'48	14°42	27° 1	0♍58	29°32	18°36	9°20	24°43	6°37	12°32	19°43	20°19	28°29	n.a.	S 28
S 29	20 9 24	0♌39'47	26°37	26°11	2°11	0♌10	18°49	9°23	24°45	6°38	12°33	19°32	20°16	28°36	n.a.	S 29
M30	20 13 20	1°37'47	8♓35	25°25	3°23	0°48	19° 1	9°26	24°47	6°39	12°34	19°23	20°13	28°43	n.a.	M30
T 31	20 17 17	2♌35'50	20♓39	24♋43	4♍36	1♌27	19♌14	9♉29	24♉48	6♊41	12♎35	19♎17	20♎ 9	28♑49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	23n40	11s23	4n33	19n 7	1s 8	22n20	1n36	24n16	1n 8	18n 8	1n 7	12n 6	2s 9	18n45	0s 9	20n15	1s17	9n44	15n55	8s49	8s34	16s15			n.a.
M 2	23 38	8 0	4 1	18 44	1 20	22 5	1 36	24 12	1 8	18 4	1 7	12 8	2 9	18 46	0 9	20 16	1 17	9 43	15 55	8 46	8 33	16 14			n.a.
T 3	23 36	4 15	3 17	18 22	1 32	21 49	1 36	24 9	1 8	18 1	1 6	12 9	2 9	18 47	0 9	20 16	1 18	9 43	15 54	8 45	8 32	16 13			n.a.
W 4	23 33	0 17	2 24	18 1	1 45	21 32	1 35	24 5	1 8	17 57	1 6	12 11	2 9	18 48	0 9	20 16	1 18	9 42	15 54	8 44	8 31	16 12			n.a.
T 5	23 30	3n46	1 23	17 40	1 57	21 15	1 35	24 1	1 8	17 54	1 6	12 12	2 9	18 48	0 9	20 17	1 18	9 41	15 53	8 44	8 29	16 10			n.a.
F 6	23 27	7 46	0 17	17 20	2 10	20 57	1 35	23 56	1 8	17 50	1 6	12 14	2 9	18 49	0 9	20 17	1 18	9 41	15 52	8 44	8 28	16 9			n.a.
S 7	23 23	11 32	0s53	17 0	2 22	20 39	1 34	23 52	1 8	17 47	1 6	12 15	2 9	18 50	0 9	20 17	1 18	9 40	15 52	8 43	8 27	16 8			n.a.
S 8	23 18	14 49	2 2	16 42	2 34	20 20	1 34	23 47	1 9	17 43	1 6	12 17	2 10	18 50	0 9	20 18	1 18	9 39	15 51	8 43	8 26	16 7			n.a.
M 9	23 13	17 21	3 5	16 25	2 47	20 0	1 33	23 42	1 9	17 40	1 6	12 18	2 10	18 51	0 9	20 18	1 18	9 39	15 51	8 41	8 25	16 6			n.a.
T 10	23 8	18 51	3 59	16 9	2 59	19 40	1 33	23 37	1 9	17 36	1 6	12 20	2 10	18 52	0 9	20 18	1 18	9 38	15 50	8 39	8 23	16 5			n.a.
W11	23 3	19 5	4 38	15 54	3 11	19 19	1 32	23 32	1 9	17 33	1 6	12 21	2 10	18 52	0 9	20 19	1 18	9 37	15 50	8 35	8 22	16 3			n.a.
T 12	22 57	17 58	4 58	15 42	3 23	18 58	1 31	23 27	1 9	17 29	1 6	12 23	2 10	18 53	0 9	20 19	1 18	9 37	15 49	8 31	8 21	16 2			n.a.
F 13	22 50	15 33	4 57	15 30	3 34	18 37	1 30	23 21	1 9	17 26	1 6	12 24	2 10	18 54	0 9	20 19	1 18	9 36	15 48	8 27	8 20	16 1			n.a.
S 14	22 43	12 6	4 35	15 21	3 45	18 15	1 29	23 15	1 9	17 22	1 6	12 25	2 11	18 54	0 9	20 20	1 18	9 35	15 48	8 24	8 19	16 0			n.a.
S 15	22 36	7 56	3 55	15 14	3 55	17 52	1 28	23 9	1 9	17 18	1 6	12 26	2 11	18 55	0 9	20 20	1 18	9 34	15 47	8 21	8 17	15 59			n.a.
M16	22 29	3 24	3 0	15 8	4 4	17 29	1 27	23 3	1 9	17 14	1 6	12 28	2 11	18 55	0 9	20 20	1 18	9 34	15 47	8 19	8 16	15 57			n.a.
T 17	22 21	1s12	1 56	15 5	4 12	17 5	1 26	22 57	1 9	17 11	1 6	12 29	2 11	18 56	0 9	20 20	1 18	9 33	15 46	8 18	8 15	15 56			n.a.
W18	22 12	5 35	0 47	15 4	4 20	16 41	1 25	22 51	1 9	17 7	1 6	12 30	2 11	18 57	0 9	20 21	1 18	9 32	15 45	8 17	8 14	15 55			n.a.
T 19	22 3	9 34	0n23	15 6	4 26	16 17	1 23	22 44	1 9	17 3	1 6	12 31	2 11	18 57	0 9	20 21	1 18	9 31	15 45	8 17	8 13	15 54			n.a.
F 20	21 54	12 59	1 29	15 10	4 31	15 52	1 22	22 37	1 9	16 59	1 6	12 32	2 12	18 58	0 9	20 21	1 18	9 30	15 44	8 17	8 11	15 53			n.a.
S 21	21 45	15 43	2 30	15 16	4 34	15 27	1 21	22 30	1 9	16 56	1 6	12 33	2 12	18 58	0 9	20 22	1 18	9 30	15 44	8 16	8 10	15 52			n.a.
S 22	21 35	17 42	3 22	15 25	4 35	15 1	1 19	22 23	1 9	16 52	1 6	12 35	2 12	18 59	0 9	20 22	1 18	9 29	15 43	8 15	8 9	15 50			n.a.
M23	21 24	18 50	4 4	15 36	4 35	14 35	1 17	22 16	1 10	16 48	1 6	12 36	2 12	18 59	0 9	20 22	1 18	9 28	15 43	8 12	8 8	15 49			n.a.
T 24	21 14	19 6	4 35	15 49	4 33	14 8	1 16	22 9	1 10	16 44	1 6	12 37	2 12	19 0	0 9	20 22	1 18	9 27	15 42	8 8	8 7	15 48			n.a.
W25	21 3	18 31	4 54	16 4	4 29	13 42	1 14	22 1	1 10	16 40	1 6	12 37	2 13	19 0	0 9	20 23	1 18	9 26	15 42	8 4	8 5	15 47			n.a.
T 26	20 51	17 8	5 0	16 21	4 23	13 14	1 12	21 53	1 10	16 36	1 6	12 38	2 13	19 1	0 9	20 23	1 18	9 25	15 41	7 58	8 4	15 46			n.a.
F 27	20 39	15 1	4 52	16 39	4 16	12 47	1 10	21 46	1 10	16 32	1 6	12 39	2 13	19 1	0 9	20 23	1 18	9 24	15 40	7 53	8 3	15 44			n.a.
S 28	20 27	12 17	4 32	16 59	4 6	12 19	1 8	21 37	1 10	16 28	1 6	12 40	2 13	19 2	0 9	20 23	1 18	9 23	15 40	7 48	8 2	15 43			n.a.
S 29	20 15	9 2	4 0	17 19	3 55	11 51	1 6	21 29	1 10	16 24	1 6	12 41	2 13	19 2	0 9	20 23	1 18	9 23	15 39	7 44	8 1	15 42			n.a.
M30	20 2	5 24	3 17	17 40	3 42	11 23	1 4	21 21	1 10	16 20	1 6	12 42	2 13	19 3	0 9	20 24	1 18	9 22	15 39	7 40	7 59	15 41			n.a.
T 31	19n49	1s31	2n25	18n 2	3s27	10n54	1n 2	21n12	1n10	16n16	1n 6	12n43	2s14	19n 3	0s 9	20n24	1s18	9n21	15n38	7s38	7s58	15s39			n.a.

Julian Day Number = 1634309.5, Delta T = 03h40m05s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'45, Lahiri = - 7°14'45 Julian Calendar 1 July 239 BCE == Greg. Calendar 27 June 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

AUGUST 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 21 13	3♌33'54	2♈53	24°R 7	5♍48	2♌ 5	19♌27	9♉32	24♉50	6♊42	12♎36	19°R14	20♎ 6	28♑56	n.a.	W 1
T 2	20 25 10	4°32'00	15°20	23♋38	7° 1	2°43	19°39	9°35	24°52	6°44	12°37	19°D13	20° 3	29° 3	n.a.	T 2
F 3	20 29 6	5°30'08	28° 4	23°16	8°13	3°22	19°52	9°37	24°54	6°45	12°38	19♎13	20° 0	29°10	n.a.	F 3
S 4	20 33 3	6°28'19	11♉ 9	23° 2	9°25	4° 0	20° 5	9°40	24°55	6°46	12°40	19°R13	19°57	29°16	n.a.	S 4
S 5	20 37 0	7°26'31	24°39	22°D56	10°38	4°38	20°18	9°42	24°57	6°48	12°41	19°12	19°54	29°23	n.a.	S 5
M 6	20 40 56	8°24'46	8♊37	22°59	11°50	5°17	20°31	9°45	24°58	6°49	12°42	19° 9	19°50	29°30	n.a.	M 6
T 7	20 44 53	9°23'03	23° 3	23°11	13° 2	5°55	20°44	9°47	25° 0	6°50	12°44	19° 4	19°47	29°36	n.a.	T 7
W 8	20 48 49	10°21'23	7♋54	23°31	14°14	6°34	20°56	9°49	25° 1	6°51	12°45	18°56	19°44	29°43	n.a.	W 8
T 9	20 52 46	11°19'44	23° 3	24° 0	15°27	7°12	21° 9	9°51	25° 3	6°53	12°46	18°46	19°41	29°50	n.a.	T 9
F 10	20 56 42	12°18'07	8♌20	24°38	16°39	7°50	21°22	9°53	25° 4	6°54	12°48	18°36	19°38	29°57	n.a.	F 10
S 11	21 0 39	13°16'32	23°35	25°23	17°51	8°29	21°35	9°55	25° 5	6°55	12°49	18°27	19°34	0♒ 3	n.a.	S 11
S 12	21 4 35	14°14'59	8♍36	26°17	19° 3	9° 7	21°48	9°57	25° 7	6°56	12°51	18°20	19°31	0°10	n.a.	S 12
M13	21 8 32	15°13'28	23°15	27°18	20°15	9°46	22° 1	9°58	25° 8	6°57	12°52	18°15	19°28	0°17	n.a.	M13
T 14	21 12 29	16°11'59	7♎27	28°26	21°27	10°24	22°14	10° 0	25° 9	6°58	12°54	18°13	19°25	0°24	n.a.	T 14
W15	21 16 25	17°10'31	21°10	29°41	22°39	11° 3	22°27	10° 1	25°10	6°59	12°55	18°D12	19°22	0°30	n.a.	W15
T 16	21 20 22	18° 9'06	4♏25	1♌ 1	23°51	11°41	22°40	10° 3	25°11	7° 0	12°57	18°13	19°19	0°37	n.a.	T 16
F 17	21 24 18	19° 7'42	17°16	2°27	25° 3	12°20	22°53	10° 4	25°12	7° 1	12°59	18°R14	19°15	0°44	n.a.	F 17
S 18	21 28 15	20° 6'19	29°46	3°57	26°15	12°58	23° 6	10° 5	25°13	7° 2	13° 0	18°13	19°12	0°50	n.a.	S 18
S 19	21 32 11	21° 4'59	12♐ 1	5°32	27°27	13°37	23°19	10° 6	25°14	7° 3	13° 2	18°11	19° 9	0°57	n.a.	S 19
M20	21 36 8	22° 3'40	24° 5	7° 9	28°39	14°15	23°32	10° 7	25°15	7° 4	13° 4	18° 6	19° 6	1° 4	n.a.	M20
T 21	21 40 4	23° 2'24	6♑ 2	8°50	29°50	14°54	23°45	10° 8	25°16	7° 5	13° 5	17°59	19° 3	1°11	n.a.	T 21
W22	21 44 1	24° 1'09	17°55	10°33	1♎ 2	15°33	23°58	10° 8	25°16	7° 5	13° 7	17°51	19° 0	1°17	n.a.	W22
T 23	21 47 58	24°59'56	29°47	12°19	2°14	16°11	24°11	10° 9	25°17	7° 6	13° 9	17°41	18°56	1°24	n.a.	T 23
F 24	21 51 54	25°58'45	11♒40	14° 5	3°25	16°50	24°24	10° 9	25°18	7° 7	13°11	17°30	18°53	1°31	n.a.	F 24
S 25	21 55 51	26°57'36	23°37	15°53	4°37	17°28	24°37	10°10	25°18	7° 8	13°13	17°21	18°50	1°37	n.a.	S 25
S 26	21 59 47	27°56'29	5♓38	17°42	5°48	18° 7	24°50	10°10	25°19	7° 8	13°14	17°13	18°47	1°44	n.a.	S 26
M27	22 3 44	28°55'24	17°45	19°31	7° 0	18°46	25° 3	10°R10	25°19	7° 9	13°16	17° 7	18°44	1°51	n.a.	M27
T 28	22 7 40	29°54'22	29°59	21°21	8°11	19°24	25°16	10°10	25°20	7° 9	13°18	17° 3	18°40	1°58	n.a.	T 28
W29	22 11 37	0♍53'21	12♈24	23°11	9°23	20° 3	25°29	10°10	25°20	7°10	13°20	17°D 1	18°37	2° 4	n.a.	W29
T 30	22 15 33	1°52'23	24°59	25° 0	10°34	20°42	25°42	10° 9	25°21	7°11	13°22	17° 2	18°34	2°11	n.a.	T 30
F 31	22 19 30	2♍51'28	7♉49	26♌50	11♎45	21♌21	25♌55	10♉ 9	25♉21	7♊11	13♎24	17♎ 3	18♎31	2♒18	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat	
W 1	19n35	2n28	1n26	18n24	3s12	10n25	1n 0	21n 4	1n10	16n12	1n 6	12n43	2s14	19n 4	0s 9	20n24	1s18	9n20	15n38	7s37		7s57		15s38				n.a.
T 2	19 21	6 25	0 21	18 45	2 55	9 56	0 57	20 55	1 10	16 8	1 6	12 44	2 14	19 4	0 9	20 24	1 18	9 19	15 37	7 37		7 56		15 37				n.a.
F 3	19 7	10 11	0s47	19 6	2 38	9 26	0 55	20 46	1 10	16 4	1 6	12 45	2 14	19 5	0 9	20 25	1 18	9 18	15 37	7 37		7 54		15 36				n.a.
S 4	18 52	13 33	1 54	19 26	2 20	8 56	0 52	20 37	1 10	16 0	1 6	12 45	2 14	19 5	0 9	20 25	1 18	9 17	15 36	7 37		7 53		15 35				n.a.
S 5	18 38	16 18	2 56	19 45	2 1	8 26	0 50	20 27	1 10	15 56	1 6	12 46	2 15	19 5	0 9	20 25	1 18	9 16	15 36	7 36		7 52		15 33				n.a.
M 6	18 22	18 12	3 51	20 3	1 43	7 56	0 47	20 18	1 10	15 52	1 6	12 47	2 15	19 6	0 9	20 25	1 18	9 15	15 35	7 35		7 51		15 32				n.a.
T 7	18 7	19 0	4 32	20 19	1 25	7 26	0 45	20 8	1 10	15 47	1 6	12 47	2 15	19 6	0 9	20 25	1 18	9 14	15 35	7 33		7 50		15 31				n.a.
W 8	17 51	18 32	4 57	20 33	1 7	6 55	0 42	19 59	1 10	15 43	1 6	12 48	2 15	19 6	0 9	20 25	1 18	9 13	15 34	7 30		7 48		15 30				n.a.
T 9	17 35	16 46	5 2	20 45	0 49	6 24	0 39	19 49	1 10	15 39	1 6	12 48	2 15	19 7	0 9	20 26	1 18	9 12	15 34	7 26		7 47		15 28				n.a.
F 10	17 19	13 48	4 45	20 55	0 32	5 53	0 37	19 39	1 10	15 35	1 6	12 48	2 16	19 7	0 9	20 26	1 18	9 11	15 33	7 23		7 46		15 27				n.a.
S 11	17 2	9 55	4 8	21 3	0 16	5 22	0 34	19 29	1 10	15 31	1 6	12 49	2 16	19 7	0 9	20 26	1 18	9 10	15 33	7 19		7 45		15 26				n.a.
S 12	16 45	5 26	3 15	21 8	0 0	4 51	0 31	19 18	1 10	15 26	1 6	12 49	2 16	19 8	0 9	20 26	1 18	9 9	15 32	7 16		7 44		15 25				n.a.
M13	16 28	0 44	2 9	21 11	0n14	4 20	0 28	19 8	1 10	15 22	1 6	12 50	2 16	19 8	0 9	20 26	1 18	9 8	15 32	7 14		7 42		15 23				n.a.
T 14	16 10	3s52	0 57	21 10	0 28	3 48	0 25	18 57	1 10	15 18	1 6	12 50	2 16	19 8	0 9	20 26	1 18	9 7	15 31	7 13		7 41		15 22				n.a.
W15	15 52	8 6	0n16	21 7	0 40	3 17	0 22	18 47	1 10	15 14	1 6	12 50	2 17	19 9	0 9	20 27	1 19	9 6	15 31	7 13		7 40		15 21				n.a.
T 16	15 34	11 48	1 26	21 1	0 52	2 45	0 19	18 36	1 10	15 9	1 6	12 50	2 17	19 9	0 9	20 27	1 19	9 5	15 30	7 14		7 39		15 20				n.a.
F 17	15 16	14 48	2 29	20 51	1 2	2 14	0 16	18 25	1 10	15 5	1 6	12 50	2 17	19 9	0 9	20 27	1 19	9 4	15 30	7 14		7 37		15 18				n.a.
S 18	14 57	17 2	3 23	20 39	1 12	1 42	0 12	18 14	1 10	15 1	1 6	12 51	2 17	19 9	0 9	20 27	1 19	9 3	15 29	7 14		7 36		15 17				n.a.
S 19	14 38	18 25	4 7	20 24	1 20	1 10	0 9	18 3	1 10	14 57	1 6	12 51	2 17	19 10	0 9	20 27	1 19	9 2	15 29	7 13		7 35		15 16				n.a.
M20	14 19	18 56	4 39	20 6	1 27	0 38	0 6	17 51	1 10	14 52	1 6	12 51	2 18	19 10	0 9	20 27	1 19	9 1	15 28	7 11		7 34		15 15				n.a.
T 21	14 0	18 36	4 59	19 46	1 34	0 6	0 3	17 40	1 10	14 48	1 6	12 51	2 18	19 10	0 9	20 27	1 19	9 0	15 28	7 8		7 33		15 13				n.a.
W22	13 40	17 28	5 5	19 23	1 39	0s26	0s 1	17 28	1 10	14 44	1 6	12 51	2 18	19 10	0 9	20 27	1 19	8 58	15 27	7 5		7 31		15 12				n.a.
T 23	13 20	15 34	4 59	18 57	1 43	0 58	0 4	17 17	1 10	14 39	1 6	12 51	2 18	19 10	0 9	20 27	1 19	8 57	15 27	7 1		7 30		15 11				n.a.
F 24	13 0	13 1	4 39	18 29	1 46	1 30	0 8	17 5	1 10	14 35	1 6	12 51	2 18	19 10	0 9	20 28	1 19	8 56	15 27	6 57		7 29		15 10				n.a.
S 25	12 40	9 55	4 7	17 59	1 49	2 1	0 11	16 53	1 10	14 30	1 6	12 51	2 19	19 11	0 9	20 28	1 19	8 55	15 26	6 53		7 28		15 8				n.a.
S 26	12 20	6 24	3 24	17 27	1 50	2 33	0 15	16 41	1 9	14 26	1 6	12 51	2 19	19 11	0 9	20 28	1 19	8 54	15 26	6 50		7 26		15 7				n.a.
M27	11 59	2 35	2 31	16 54	1 51	3 5	0 18	16 29	1 9	14 22	1 6	12 50	2 19	19 11	0 9	20 28	1 19	8 53	15 25	6 48		7 25		15 6				n.a.
T 28	11 38	1n23	1 31	16 18	1 51	3 37	0 22	16 16	1 9	14 17	1 6	12 50	2 19	19 11	0 9	20 28	1 19	8 52	15 25	6 46		7 24		15 5				n.a.
W29	11 17	5 20	0 25	15 42	1 51	4 9	0 25	16 4	1 9	14 13	1 6	12 50	2 19	19 11	0 9	20 28	1 19	8 51	15 25	6 46		7 23		15 3				n.a.
T 30	10 56	9 7	0s43	15 4	1 50	4 40	0 29	15 51	1 9	14 9	1 7	12 50	2 20	19 11	0 9	20 28	1 19	8 50	15 24	6 46		7 22		15 2				n.a.
F 31	10n35	12n33	1s50	14n24	1n48	5s12	0s32	15n39	1n 9	14n 4	1n 7	12n49	2s20	19n11	0s 9	20n28	1s19	8n49	15n24	6s46		7s20		15s 1				n.a.

Julian Day Number = 1634340.5, Delta T = 03h40m04s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'41, Lahiri = - 7°14'41 Julian Calendar 1 Aug. 239 BCE == Greg. Calendar 28 July 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

SEPTEMBER 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 23 26	3♍50'35	20♉57	28♌39	12♎56	21♌59	26♌ 8	10°R 9	25♉21	7♊11	13♎26	17♎ 4	18♎28	2♒24	n.a.	S 1
S 2	22 27 23	4°49'44	4♊24	0♍27	14° 8	22°38	26°21	10♉ 8	25°21	7°12	13°28	17°R 5	18°25	2°31	n.a.	S 2
M 3	22 31 20	5°48'56	18°14	2°15	15°19	23°17	26°34	10° 7	25°21	7°12	13°30	17° 4	18°21	2°38	n.a.	M 3
T 4	22 35 16	6°48'10	2♋26	4° 2	16°30	23°56	26°47	10° 7	25°21	7°13	13°32	17° 2	18°18	2°45	n.a.	T 4
W 5	22 39 13	7°47'27	17° 0	5°49	17°41	24°35	27° 0	10° 6	25°R22	7°13	13°34	16°58	18°15	2°51	n.a.	W 5
T 6	22 43 9	8°46'46	1♌50	7°35	18°52	25°13	27°13	10° 5	25°21	7°13	13°36	16°52	18°12	2°58	n.a.	T 6
F 7	22 47 6	9°46'07	16°50	9°20	20° 3	25°52	27°26	10° 4	25°21	7°14	13°38	16°47	18° 9	3° 5	n.a.	F 7
S 8	22 51 2	10°45'31	1♍51	11° 5	21°14	26°31	27°39	10° 2	25°21	7°14	13°40	16°41	18° 5	3°12	n.a.	S 8
S 9	22 54 59	11°44'57	16°44	12°49	22°24	27°10	27°52	10° 1	25°21	7°14	13°42	16°37	18° 2	3°18	n.a.	S 9
M10	22 58 55	12°44'25	1♎20	14°32	23°35	27°49	28° 5	10° 0	25°21	7°14	13°45	16°35	17°59	3°25	n.a.	M10
T 11	23 2 52	13°43'55	15°34	16°14	24°46	28°28	28°17	9°58	25°21	7°14	13°47	16°D34	17°56	3°32	n.a.	T 11
W12	23 6 49	14°43'27	29°22	17°55	25°56	29° 7	28°30	9°56	25°20	7°14	13°49	16°34	17°53	3°38	n.a.	W12
T 13	23 10 45	15°43'01	12♏43	19°36	27° 7	29°46	28°43	9°55	25°20	7°14	13°51	16°36	17°50	3°45	n.a.	T 13
F 14	23 14 42	16°42'36	25°39	21°16	28°17	0♍25	28°56	9°53	25°19	7°R14	13°53	16°37	17°46	3°52	n.a.	F 14
S 15	23 18 38	17°42'14	8♐14	22°56	29°28	1° 4	29° 8	9°51	25°19	7°14	13°56	16°39	17°43	3°59	n.a.	S 15
S 16	23 22 35	18°41'54	20°31	24°34	0♏38	1°43	29°21	9°49	25°18	7°14	13°58	16°R39	17°40	4° 5	n.a.	S 16
M17	23 26 31	19°41'35	2♑36	26°12	1°48	2°22	29°34	9°46	25°18	7°14	14° 0	16°38	17°37	4°12	n.a.	M17
T 18	23 30 28	20°41'18	14°32	27°50	2°58	3° 1	29°46	9°44	25°17	7°14	14° 2	16°36	17°34	4°19	n.a.	T 18
W19	23 34 24	21°41'03	26°24	29°26	4° 8	3°40	29°59	9°42	25°16	7°14	14° 5	16°33	17°31	4°25	n.a.	W19
T 20	23 38 21	22°40'50	8♒17	1♎ 2	5°18	4°19	0♍11	9°39	25°16	7°14	14° 7	16°29	17°27	4°32	n.a.	T 20
F 21	23 42 17	23°40'39	20°13	2°38	6°28	4°58	0°24	9°37	25°15	7°14	14° 9	16°25	17°24	4°39	n.a.	F 21
S 22	23 46 14	24°40'30	2♓14	4°13	7°38	5°37	0°36	9°34	25°14	7°13	14°12	16°21	17°21	4°46	n.a.	S 22
S 23	23 50 11	25°40'22	14°24	5°47	8°48	6°17	0°49	9°31	25°13	7°13	14°14	16°18	17°18	4°52	n.a.	S 23
M24	23 54 7	26°40'17	26°44	7°21	9°57	6°56	1° 1	9°28	25°12	7°13	14°16	16°16	17°15	4°59	n.a.	M24
T 25	23 58 4	27°40'13	9♈14	8°54	11° 7	7°35	1°13	9°25	25°11	7°13	14°19	16°15	17°11	5° 6	n.a.	T 25
W26	0 2 0	28°40'12	21°56	10°26	12°16	8°14	1°26	9°22	25°10	7°12	14°21	16°D15	17° 8	5°12	n.a.	W26
T 27	0 5 57	29°40'13	4♉50	11°59	13°25	8°53	1°38	9°19	25° 9	7°12	14°23	16°16	17° 5	5°19	n.a.	T 27
F 28	0 9 53	0♎40'16	17°57	13°30	14°35	9°33	1°50	9°16	25° 8	7°11	14°26	16°17	17° 2	5°26	n.a.	F 28
S 29	0 13 50	1°40'21	1♊18	15° 1	15°44	10°12	2° 2	9°13	25° 7	7°11	14°28	16°18	16°59	5°33	n.a.	S 29
S 30	0 17 46	2♎40'29	14♊53	16♎32	16♏53	10♍51	2♍15	9♉ 9	25♉ 5	7♊10	14♎30	16♎19	16♎56	5♒39	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n13	15n25	2s53	13n44	1n46	5s43	0s36	15n26	1n 9	14n 0	1n 7	12n49	2s20	19n11	0s 9	20n28	1s19	8n48	15n23	6s47	7s19	14s59		n.a.
S 2	9 51	17 32	3 49	13 3	1 43	6 15	0 40	15 13	1 9	13 55	1 7	12 49	2 20	19 11	0 9	20 28	1 19	8 46	15 23	6 47	7 18	14 58		n.a.
M 3	9 29	18 41	4 32	12 21	1 40	6 46	0 43	15 0	1 9	13 51	1 7	12 48	2 20	19 11	0 9	20 28	1 19	8 45	15 23	6 47	7 17	14 57		n.a.
T 4	9 7	18 42	5 0	11 38	1 36	7 17	0 47	14 47	1 9	13 47	1 7	12 48	2 21	19 11	0 9	20 28	1 19	8 44	15 22	6 46	7 15	14 56		n.a.
W 5	8 45	17 30	5 10	10 55	1 32	7 48	0 51	14 34	1 9	13 42	1 7	12 48	2 21	19 11	0 9	20 28	1 19	8 43	15 22	6 44	7 14	14 54		n.a.
T 6	8 22	15 7	5 0	10 11	1 28	8 19	0 54	14 21	1 9	13 38	1 7	12 47	2 21	19 11	0 9	20 28	1 19	8 42	15 22	6 42	7 13	14 53		n.a.
F 7	8 0	11 42	4 29	9 27	1 23	8 49	0 58	14 7	1 9	13 33	1 7	12 46	2 21	19 11	0 9	20 28	1 19	8 41	15 21	6 40	7 12	14 52		n.a.
S 8	7 37	7 32	3 40	8 42	1 19	9 20	1 2	13 54	1 9	13 29	1 7	12 46	2 21	19 11	0 9	20 28	1 19	8 40	15 21	6 38	7 11	14 50		n.a.
S 9	7 14	2 55	2 36	7 57	1 13	9 50	1 5	13 40	1 8	13 24	1 7	12 45	2 22	19 11	0 9	20 28	1 19	8 39	15 21	6 36	7 9	14 49		n.a.
M10	6 51	1s47	1 22	7 12	1 8	10 20	1 9	13 26	1 8	13 20	1 7	12 45	2 22	19 11	0 9	20 28	1 19	8 38	15 20	6 35	7 8	14 48		n.a.
T 11	6 28	6 17	0 5	6 27	1 2	10 50	1 13	13 13	1 8	13 16	1 7	12 44	2 22	19 11	0 9	20 28	1 19	8 37	15 20	6 35	7 7	14 46		n.a.
W12	6 5	10 18	1n 9	5 42	0 57	11 19	1 17	12 59	1 8	13 11	1 7	12 43	2 22	19 11	0 9	20 28	1 20	8 35	15 20	6 35	7 6	14 45		n.a.
T 13	5 42	13 39	2 18	4 56	0 51	11 49	1 20	12 45	1 8	13 7	1 8	12 43	2 22	19 11	0 9	20 28	1 20	8 34	15 19	6 36	7 4	14 44		n.a.
F 14	5 18	16 12	3 18	4 11	0 45	12 18	1 24	12 31	1 8	13 2	1 8	12 42	2 22	19 11	0 9	20 28	1 20	8 33	15 19	6 36	7 3	14 42		n.a.
S 15	4 55	17 53	4 6	3 25	0 38	12 46	1 27	12 17	1 8	12 58	1 8	12 41	2 23	19 11	0 9	20 28	1 20	8 32	15 19	6 37	7 2	14 41		n.a.
S 16	4 31	18 42	4 42	2 40	0 32	13 15	1 31	12 3	1 8	12 54	1 8	12 40	2 23	19 11	0 9	20 28	1 20	8 31	15 19	6 37	7 1	14 40		n.a.
M17	4 8	18 37	5 4	1 55	0 25	13 43	1 35	11 48	1 8	12 49	1 8	12 39	2 23	19 10	0 9	20 28	1 20	8 30	15 18	6 37	7 0	14 39		n.a.
T 18	3 44	17 43	5 14	1 10	0 19	14 11	1 38	11 34	1 8	12 45	1 8	12 39	2 23	19 10	0 9	20 28	1 20	8 29	15 18	6 36	6 58	14 37		n.a.
W19	3 20	16 4	5 9	0 25	0 12	14 39	1 42	11 19	1 7	12 40	1 8	12 38	2 23	19 10	0 9	20 28	1 20	8 28	15 18	6 35	6 57	14 36		n.a.
T 20	2 56	13 43	4 52	0s20	0 6	15 6	1 45	11 5	1 7	12 36	1 8	12 37	2 23	19 10	0 9	20 28	1 20	8 27	15 18	6 33	6 56	14 35		n.a.
F 21	2 32	10 47	4 21	1 4	0s 1	15 33	1 49	10 50	1 7	12 32	1 8	12 36	2 23	19 10	0 9	20 28	1 20	8 26	15 17	6 32	6 55	14 33		n.a.
S 22	2 8	7 24	3 39	1 49	0 8	15 59	1 52	10 36	1 7	12 27	1 8	12 35	2 24	19 10	0 9	20 28	1 20	8 25	15 17	6 30	6 53	14 32		n.a.
S 23	1 44	3 39	2 47	2 33	0 15	16 25	1 56	10 21	1 7	12 23	1 9	12 34	2 24	19 9	0 9	20 28	1 20	8 23	15 17	6 29	6 52	14 31		n.a.
M24	1 20	0n18	1 46	3 16	0 21	16 51	1 59	10 6	1 7	12 18	1 9	12 33	2 24	19 9	0 8	20 27	1 20	8 22	15 17	6 28	6 51	14 29		n.a.
T 25	0 56	4 18	0 39	4 0	0 28	17 17	2 3	9 51	1 7	12 14	1 9	12 32	2 24	19 9	0 8	20 27	1 20	8 21	15 17	6 28	6 50	14 28		n.a.
W26	0 32	8 9	0s31	4 43	0 35	17 42	2 6	9 36	1 6	12 10	1 9	12 31	2 24	19 9	0 8	20 27	1 20	8 20	15 16	6 28	6 48	14 27		n.a.
T 27	0 8	11 42	1 41	5 25	0 41	18 6	2 9	9 21	1 6	12 6	1 9	12 29	2 24	19 8	0 8	20 27	1 20	8 19	15 16	6 28	6 47	14 25		n.a.
F 28	0s16	14 43	2 46	6 8	0 48	18 30	2 12	9 6	1 6	12 1	1 9	12 28	2 24	19 8	0 8	20 27	1 20	8 18	15 16	6 29	6 46	14 24		n.a.
S 29	0 40	17 0	3 44	6 49	0 55	18 54	2 15	8 51	1 6	11 57	1 9	12 27	2 25	19 8	0 8	20 27	1 20	8 17	15 16	6 29	6 45	14 23		n.a.
S 30	1s 5	18n22	4s30	7s31	1s 1	19s17	2s19	8n36	1n 6	11n53	1n 9	12n26	2s25	19n 8	0s 8	20n27	1s20	8n16	15n16	6s29	6s44	14s21		n.a.

Julian Day Number = 1634371.5, Delta T = 03h40m02s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'37, Lahiri = - 7°14'36 Julian Calendar 1 Sept. 239 BCE == Greg. Calendar 28 Aug. 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

OCTOBER 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 21 43	3♎40'38	28♊42	18♎ 2	18♏ 2	11♍30	2♍27	9°R 6	25°R 4	7°R10	14♎33	16°R20	16♎52	5♒46	n.a.	M 1
T 2	0 25 40	4°40'50	12♋46	19°32	19°10	12°10	2°39	9♉ 2	25♉ 3	7♊ 9	14°35	16♎20	16°49	5°53	n.a.	T 2
W 3	0 29 36	5°41'04	27° 3	21° 1	20°19	12°49	2°51	8°58	25° 1	7° 9	14°38	16°19	16°46	5°59	n.a.	W 3
T 4	0 33 33	6°41'21	11♌30	22°29	21°28	13°29	3° 2	8°55	25° 0	7° 8	14°40	16°18	16°43	6° 6	n.a.	T 4
F 5	0 37 29	7°41'39	26° 3	23°57	22°36	14° 8	3°14	8°51	24°58	7° 7	14°42	16°17	16°40	6°13	n.a.	F 5
S 6	0 41 26	8°42'00	10♍38	25°25	23°44	14°47	3°26	8°47	24°57	7° 7	14°45	16°16	16°36	6°20	n.a.	S 6
S 7	0 45 22	9°42'22	25° 7	26°51	24°52	15°27	3°38	8°43	24°55	7° 6	14°47	16°15	16°33	6°26	n.a.	S 7
M 8	0 49 19	10°42'46	9♎26	28°18	26° 0	16° 6	3°49	8°39	24°54	7° 5	14°50	16°D15	16°30	6°33	n.a.	M 8
T 9	0 53 15	11°43'13	23°29	29°43	27° 8	16°46	4° 1	8°35	24°52	7° 4	14°52	16°15	16°27	6°40	n.a.	T 9
W10	0 57 12	12°43'40	7♏11	1♏ 8	28°16	17°25	4°13	8°31	24°50	7° 4	14°55	16°15	16°24	6°46	n.a.	W10
T 11	1 1 8	13°44'10	20°32	2°33	29°24	18° 5	4°24	8°26	24°49	7° 3	14°57	16°16	16°21	6°53	n.a.	T 11
F 12	1 5 5	14°44'41	3♐31	3°56	0♐31	18°44	4°35	8°22	24°47	7° 2	15° 0	16°16	16°17	7° 0	n.a.	F 12
S 13	1 9 2	15°45'14	16°10	5°18	1°38	19°24	4°47	8°18	24°45	7° 1	15° 2	16°16	16°14	7° 7	n.a.	S 13
S 14	1 12 58	16°45'48	28°30	6°40	2°46	20° 4	4°58	8°13	24°43	7° 0	15° 4	16°R16	16°11	7°13	n.a.	S 14
M15	1 16 55	17°46'23	10♑37	8° 0	3°52	20°43	5° 9	8° 9	24°41	6°59	15° 7	16°16	16° 8	7°20	n.a.	M15
T 16	1 20 51	18°47'00	22°35	9°20	4°59	21°23	5°20	8° 4	24°40	6°58	15° 9	16°D16	16° 5	7°27	n.a.	T 16
W17	1 24 48	19°47'38	4♒27	10°37	6° 6	22° 2	5°31	8° 0	24°38	6°57	15°12	16°16	16° 2	7°33	n.a.	W17
T 18	1 28 44	20°48'17	16°20	11°54	7°12	22°42	5°42	7°55	24°36	6°56	15°14	16°16	15°58	7°40	n.a.	T 18
F 19	1 32 41	21°48'58	28°17	13° 8	8°18	23°22	5°53	7°51	24°34	6°55	15°17	16°17	15°55	7°47	n.a.	F 19
S 20	1 36 37	22°49'40	10♓22	14°21	9°24	24° 2	6° 4	7°46	24°32	6°54	15°19	16°18	15°52	7°54	n.a.	S 20
S 21	1 40 34	23°50'23	22°39	15°32	10°30	24°41	6°15	7°41	24°29	6°53	15°21	16°18	15°49	8° 0	n.a.	S 21
M22	1 44 31	24°51'07	5♈10	16°40	11°35	25°21	6°25	7°36	24°27	6°51	15°24	16°19	15°46	8° 7	n.a.	M22
T 23	1 48 27	25°51'53	17°57	17°45	12°41	26° 1	6°36	7°32	24°25	6°50	15°26	16°R19	15°42	8°14	n.a.	T 23
W24	1 52 24	26°52'40	1♉ 0	18°47	13°46	26°41	6°46	7°27	24°23	6°49	15°29	16°19	15°39	8°20	n.a.	W24
T 25	1 56 20	27°53'29	14°19	19°45	14°51	27°20	6°57	7°22	24°21	6°48	15°31	16°18	15°36	8°27	n.a.	T 25
F 26	2 0 17	28°54'19	27°52	20°39	15°55	28° 0	7° 7	7°17	24°19	6°47	15°33	16°16	15°33	8°34	n.a.	F 26
S 27	2 4 13	29°55'11	11♊38	21°28	16°59	28°40	7°17	7°12	24°16	6°45	15°36	16°15	15°30	8°41	n.a.	S 27
S 28	2 8 10	0♏56'04	25°33	22°12	18° 3	29°20	7°27	7° 7	24°14	6°44	15°38	16°13	15°27	8°47	n.a.	S 28
M29	2 12 6	1°56'58	9♋36	22°50	19° 7	29°59	7°37	7° 2	24°12	6°43	15°41	16°11	15°23	8°54	n.a.	M29
T 30	2 16 3	2°57'54	23°44	23°21	20°10	0♎40	7°47	6°57	24° 9	6°41	15°43	16°10	15°20	9° 1	n.a.	T 30
W31	2 20 0	3♏58'52	7♌54	23♏45	21♐14	1♎20	7♍57	6♉52	24♉ 7	6♊40	15♎45	16°D10	15♎17	9♒ 7	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	1s29	18n41	5s 2	8s12	1s 8	19s40	2s22	8n20	1n 6	11n48	1n10	12n25	2s25	19n 7	0s 8	20n27	1s20	8n15	15n16	6s30	6s42	14s20			n.a.
T 2	1 53	17 51	5 16	8 52	1 14	20 2	2 25	8 5	1 6	11 44	1 10	12 23	2 25	19 7	0 8	20 27	1 20	8 14	15 15	6 30	6 41	14 19			n.a.
W 3	2 17	15 54	5 11	9 32	1 20	20 24	2 28	7 50	1 5	11 40	1 10	12 22	2 25	19 7	0 8	20 26	1 20	8 13	15 15	6 29	6 40	14 17			n.a.
T 4	2 41	12 57	4 47	10 11	1 26	20 45	2 30	7 34	1 5	11 36	1 10	12 21	2 25	19 6	0 8	20 26	1 20	8 12	15 15	6 29	6 39	14 16			n.a.
F 5	3 5	9 10	4 4	10 50	1 32	21 6	2 33	7 19	1 5	11 31	1 10	12 20	2 25	19 6	0 8	20 26	1 20	8 11	15 15	6 29	6 37	14 14			n.a.
S 6	3 29	4 49	3 5	11 28	1 38	21 27	2 36	7 3	1 5	11 27	1 10	12 18	2 25	19 5	0 8	20 26	1 20	8 10	15 15	6 28	6 36	14 13			n.a.
S 7	3 53	0 13	1 55	12 5	1 44	21 46	2 39	6 48	1 5	11 23	1 10	12 17	2 25	19 5	0 8	20 26	1 20	8 9	15 15	6 28	6 35	14 12			n.a.
M 8	4 17	4s22	0 38	12 42	1 50	22 5	2 41	6 32	1 4	11 19	1 11	12 15	2 25	19 5	0 8	20 26	1 20	8 8	15 15	6 28	6 34	14 10			n.a.
T 9	4 41	8 36	0n40	13 18	1 55	22 24	2 44	6 16	1 4	11 15	1 11	12 14	2 26	19 4	0 8	20 26	1 20	8 7	15 15	6 28	6 32	14 9			n.a.
W10	5 5	12 17	1 54	13 53	2 0	22 42	2 46	6 0	1 4	11 11	1 11	12 13	2 26	19 4	0 8	20 25	1 20	8 6	15 15	6 28	6 31	14 8			n.a.
T 11	5 29	15 13	2 59	14 27	2 5	23 0	2 48	5 45	1 4	11 7	1 11	12 11	2 26	19 4	0 8	20 25	1 20	8 5	15 15	6 28	6 30	14 6			n.a.
F 12	5 53	17 17	3 53	15 0	2 9	23 17	2 51	5 29	1 4	11 2	1 11	12 10	2 26	19 3	0 8	20 25	1 20	8 4	15 15	6 28	6 29	14 5			n.a.
S 13	6 16	18 26	4 35	15 33	2 14	23 33	2 53	5 13	1 3	10 58	1 11	12 8	2 26	19 3	0 8	20 25	1 21	8 3	15 15	6 28	6 28	14 4			n.a.
S 14	6 40	18 40	5 2	16 4	2 18	23 49	2 55	4 57	1 3	10 54	1 11	12 7	2 26	19 2	0 8	20 25	1 21	8 2	15 15	6 28	6 26	14 2			n.a.
M15	7 3	18 3	5 16	16 34	2 21	24 4	2 57	4 41	1 3	10 50	1 12	12 5	2 26	19 2	0 8	20 25	1 21	8 1	15 14	6 28	6 25	14 1			n.a.
T 16	7 27	16 37	5 15	17 3	2 25	24 18	2 59	4 25	1 3	10 46	1 12	12 4	2 26	19 1	0 8	20 24	1 21	8 0	15 14	6 28	6 24	13 59			n.a.
W17	7 50	14 29	5 2	17 31	2 28	24 32	3 0	4 9	1 3	10 42	1 12	12 2	2 26	19 1	0 8	20 24	1 21	7 59	15 14	6 28	6 23	13 58			n.a.
T 18	8 13	11 45	4 35	17 58	2 30	24 45	3 2	3 53	1 2	10 39	1 12	12 1	2 26	19 0	0 8	20 24	1 21	7 58	15 14	6 28	6 21	13 57			n.a.
F 19	8 36	8 31	3 56	18 23	2 32	24 58	3 4	3 37	1 2	10 35	1 12	11 59	2 26	19 0	0 8	20 24	1 21	7 57	15 14	6 29	6 20	13 55			n.a.
S 20	8 59	4 54	3 7	18 47	2 34	25 10	3 5	3 21	1 2	10 31	1 12	11 58	2 26	18 59	0 8	20 23	1 21	7 56	15 15	6 29	6 19	13 54			n.a.
S 21	9 21	1 0	2 8	19 9	2 35	25 21	3 6	3 5	1 2	10 27	1 13	11 56	2 26	18 59	0 8	20 23	1 21	7 56	15 15	6 29	6 18	13 53			n.a.
M22	9 44	3n 1	1 1	19 29	2 35	25 32	3 7	2 48	1 1	10 23	1 13	11 55	2 26	18 58	0 8	20 23	1 21	7 55	15 15	6 29	6 16	13 51			n.a.
T 23	10 6	6 59	0s 9	19 48	2 35	25 42	3 8	2 32	1 1	10 19	1 13	11 53	2 26	18 58	0 8	20 23	1 21	7 54	15 15	6 29	6 15	13 50			n.a.
W24	10 29	10 42	1 20	20 5	2 34	25 51	3 9	2 16	1 1	10 16	1 13	11 52	2 26	18 57	0 8	20 23	1 21	7 53	15 15	6 29	6 14	13 48			n.a.
T 25	10 51	13 57	2 29	20 19	2 32	26 0	3 10	2 0	1 1	10 12	1 13	11 50	2 26	18 57	0 8	20 22	1 21	7 52	15 15	6 29	6 13	13 47			n.a.
F 26	11 13	16 30	3 30	20 31	2 29	26 8	3 11	1 44	1 0	10 8	1 14	11 48	2 26	18 56	0 8	20 22	1 21	7 51	15 15	6 28	6 11	13 46			n.a.
S 27	11 35	18 9	4 20	20 41	2 26	26 15	3 11	1 27	1 0	10 5	1 14	11 47	2 26	18 56	0 8	20 22	1 21	7 50	15 15	6 28	6 10	13 44			n.a.
S 28	11 56	18 43	4 56	20 48	2 21	26 22	3 12	1 11	1 0	10 1	1 14	11 45	2 26	18 55	0 8	20 22	1 21	7 50	15 15	6 27	6 9	13 43			n.a.
M29	12 17	18 9	5 14	20 53	2 15	26 28	3 12	0 55	1 0	9 57	1 14	11 44	2 26	18 54	0 8	20 21	1 21	7 49	15 15	6 26	6 8	13 41			n.a.
T 30	12 39	16 28	5 13	20 54	2 8	26 33	3 12	0 38	0 59	9 54	1 14	11 42	2 26	18 54	0 8	20 21	1 21	7 48	15 15	6 26	6 6	13 40			n.a.
W31	13s 0	13n47	4s54	20s52	2s 0	26s37	3s12	0n22	0n59	9n50	1n15	11n40	2s26	18n53	0s 8	20n21	1s21	7n47	15n15	6s26	6s 5	13s39			n.a.

Julian Day Number = 1634401.5, Delta T = 03h40m01s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'33, Lahiri = - 7°14'32 Julian Calendar 1 Oct. 239 BCE == Greg. Calendar 27 Sept. 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

NOVEMBER 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 23 56	4♏59'51	22♌ 5	24♏ 0	22♐16	2♎ 0	8♍ 6	6°R47	24°R 5	6°R39	15♎48	16♎11	15♎14	9♒14	n.a.	T 1
F 2	2 27 53	6° 0'51	6♍15	24°R 6	23°19	2°40	8°16	6♉42	24♉ 2	6♊37	15°50	16°12	15°11	9°21	n.a.	F 2
S 3	2 31 49	7° 1'53	20°20	24° 2	24°21	3°20	8°25	6°37	24° 0	6°36	15°52	16°13	15° 8	9°28	n.a.	S 3
S 4	2 35 46	8° 2'56	4♎20	23°47	25°23	4° 0	8°35	6°32	23°58	6°34	15°55	16°14	15° 4	9°34	n.a.	S 4
M 5	2 39 42	9° 4'00	18°11	23°21	26°24	4°40	8°44	6°27	23°55	6°33	15°57	16°R15	15° 1	9°41	n.a.	M 5
T 6	2 43 39	10° 5'05	1♏51	22°44	27°25	5°20	8°53	6°22	23°53	6°31	15°59	16°14	14°58	9°48	n.a.	T 6
W 7	2 47 35	11° 6'11	15°17	21°56	28°26	6° 0	9° 2	6°17	23°50	6°30	16° 1	16°12	14°55	9°54	n.a.	W 7
T 8	2 51 32	12° 7'19	28°27	20°57	29°26	6°40	9°11	6°12	23°48	6°28	16° 4	16° 8	14°52	10° 1	n.a.	T 8
F 9	2 55 29	13° 8'27	11♐20	19°50	0♑26	7°20	9°20	6° 8	23°45	6°27	16° 6	16° 4	14°48	10° 8	n.a.	F 9
S 10	2 59 25	14° 9'35	23°56	18°35	1°26	8° 1	9°29	6° 3	23°43	6°25	16° 8	15°59	14°45	10°15	n.a.	S 10
S 11	3 3 22	15°10'44	6♑17	17°14	2°25	8°41	9°37	5°58	23°40	6°24	16°10	15°54	14°42	10°21	n.a.	S 11
M12	3 7 18	16°11'54	18°25	15°52	3°23	9°21	9°46	5°53	23°38	6°22	16°12	15°50	14°39	10°28	n.a.	M12
T 13	3 11 15	17°13'04	0♒22	14°29	4°21	10° 1	9°54	5°48	23°35	6°21	16°15	15°47	14°36	10°35	n.a.	T 13
W14	3 15 11	18°14'15	12°15	13°10	5°19	10°42	10° 2	5°43	23°33	6°19	16°17	15°46	14°33	10°41	n.a.	W14
T 15	3 19 8	19°15'26	24° 6	11°56	6°16	11°22	10°10	5°38	23°30	6°17	16°19	15°D46	14°29	10°48	n.a.	T 15
F 16	3 23 4	20°16'37	6♓ 1	10°50	7°12	12° 2	10°18	5°34	23°27	6°16	16°21	15°47	14°26	10°55	n.a.	F 16
S 17	3 27 1	21°17'49	18° 6	9°54	8° 8	12°42	10°26	5°29	23°25	6°14	16°23	15°48	14°23	11° 1	n.a.	S 17
S 18	3 30 58	22°19'01	0♈25	9° 7	9° 4	13°23	10°34	5°24	23°22	6°13	16°25	15°50	14°20	11° 8	n.a.	S 18
M19	3 34 54	23°20'13	13° 2	8°32	9°58	14° 3	10°41	5°20	23°20	6°11	16°27	15°R51	14°17	11°15	n.a.	M19
T 20	3 38 51	24°21'25	25°59	8° 8	10°52	14°43	10°49	5°15	23°17	6° 9	16°29	15°51	14°13	11°22	n.a.	T 20
W21	3 42 47	25°22'38	9♉19	7°54	11°46	15°24	10°56	5°11	23°15	6° 8	16°31	15°48	14°10	11°28	n.a.	W21
T 22	3 46 44	26°23'51	23° 1	7°D51	12°38	16° 4	11° 3	5° 6	23°12	6° 6	16°33	15°44	14° 7	11°35	n.a.	T 22
F 23	3 50 40	27°25'04	7♊ 2	7°57	13°30	16°45	11°10	5° 2	23° 9	6° 4	16°35	15°38	14° 4	11°42	n.a.	F 23
S 24	3 54 37	28°26'18	21°18	8°12	14°21	17°25	11°17	4°57	23° 7	6° 3	16°37	15°31	14° 1	11°48	n.a.	S 24
S 25	3 58 33	29°27'32	5♋43	8°35	15°12	18° 6	11°24	4°53	23° 4	6° 1	16°39	15°24	13°58	11°55	n.a.	S 25
M26	4 2 30	0♐28'46	20°11	9° 5	16° 1	18°46	11°30	4°49	23° 2	5°59	16°41	15°17	13°54	12° 2	n.a.	M26
T 27	4 6 27	1°30'01	4♌37	9°42	16°50	19°27	11°37	4°45	22°59	5°58	16°43	15°12	13°51	12° 9	n.a.	T 27
W28	4 10 23	2°31'16	18°55	10°25	17°38	20° 7	11°43	4°41	22°57	5°56	16°45	15° 9	13°48	12°15	n.a.	W28
T 29	4 14 20	3°32'32	3♍ 4	11°13	18°24	20°48	11°49	4°37	22°54	5°54	16°47	15°D 8	13°45	12°22	n.a.	T 29
F 30	4 18 16	4♐33'48	17♍ 2	12♏ 5	19♑10	21♎29	11♍55	4♉33	22♉52	5♊52	16♎49	15♎ 9	13♎42	12♒29	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s20	10n17	4s16	20s46	1s50	26s41	3s12	0n 6	0n59	9n47	1n15	11n39	2s26	18n53	0s 8	20n21	1s21	7n46	15n15	6s26	6s 4	13s37		n.a.
F 2	13 41	6 11	3 23	20 37	1 39	26 45	3 12	0s11	0 59	9 43	1 15	11 37	2 26	18 52	0 8	20 20	1 21	7 46	15 15	6 27	6 3	13 36		n.a.
S 3	14 1	1 46	2 18	20 23	1 26	26 47	3 11	0 27	0 58	9 40	1 15	11 36	2 26	18 52	0 8	20 20	1 21	7 45	15 16	6 27	6 2	13 34		n.a.
S 4	14 21	2s44	1 5	20 6	1 11	26 49	3 11	0 43	0 58	9 37	1 15	11 34	2 26	18 51	0 8	20 20	1 21	7 44	15 16	6 28	6 0	13 33		n.a.
M 5	14 41	7 3	0n11	19 44	0 55	26 50	3 10	1 0	0 58	9 33	1 16	11 33	2 26	18 50	0 8	20 20	1 21	7 43	15 16	6 28	5 59	13 32		n.a.
T 6	15 1	10 56	1 25	19 17	0 38	26 51	3 9	1 16	0 57	9 30	1 16	11 31	2 25	18 50	0 8	20 19	1 21	7 43	15 16	6 27	5 58	13 30		n.a.
W 7	15 20	14 10	2 33	18 47	0 20	26 50	3 8	1 32	0 57	9 27	1 16	11 29	2 25	18 49	0 8	20 19	1 21	7 42	15 16	6 27	5 57	13 29		n.a.
T 8	15 39	16 37	3 31	18 12	0n 0	26 50	3 6	1 49	0 57	9 24	1 16	11 28	2 25	18 49	0 8	20 19	1 21	7 41	15 16	6 25	5 55	13 27		n.a.
F 9	15 58	18 9	4 18	17 35	0 20	26 48	3 5	2 5	0 56	9 20	1 16	11 26	2 25	18 48	0 8	20 19	1 21	7 41	15 17	6 24	5 54	13 26		n.a.
S 10	16 17	18 45	4 50	16 54	0 41	26 46	3 3	2 21	0 56	9 17	1 17	11 25	2 25	18 47	0 8	20 18	1 21	7 40	15 17	6 22	5 53	13 25		n.a.
S 11	16 35	18 26	5 8	16 12	1 1	26 43	3 1	2 38	0 56	9 14	1 17	11 23	2 25	18 47	0 8	20 18	1 21	7 39	15 17	6 20	5 52	13 23		n.a.
M12	16 53	17 17	5 12	15 30	1 21	26 40	2 59	2 54	0 55	9 11	1 17	11 22	2 25	18 46	0 8	20 18	1 21	7 39	15 17	6 18	5 50	13 22		n.a.
T 13	17 10	15 23	5 3	14 48	1 39	26 36	2 57	3 10	0 55	9 8	1 17	11 20	2 25	18 45	0 8	20 18	1 21	7 38	15 17	6 17	5 49	13 20		n.a.
W14	17 28	12 51	4 40	14 8	1 56	26 31	2 55	3 27	0 55	9 5	1 18	11 19	2 25	18 45	0 8	20 17	1 21	7 38	15 18	6 16	5 48	13 19		n.a.
T 15	17 45	9 47	4 6	13 32	2 11	26 26	2 52	3 43	0 54	9 2	1 18	11 17	2 24	18 44	0 8	20 17	1 21	7 37	15 18	6 16	5 47	13 17		n.a.
F 16	18 1	6 19	3 20	12 59	2 23	26 20	2 49	3 59	0 54	9 0	1 18	11 16	2 24	18 43	0 8	20 17	1 21	7 36	15 18	6 17	5 45	13 16		n.a.
S 17	18 18	2 32	2 26	12 31	2 34	26 14	2 46	4 15	0 54	8 57	1 18	11 14	2 24	18 43	0 8	20 16	1 21	7 36	15 18	6 17	5 44	13 15		n.a.
S 18	18 34	1n26	1 23	12 9	2 42	26 7	2 43	4 32	0 53	8 54	1 19	11 13	2 24	18 42	0 8	20 16	1 21	7 35	15 19	6 18	5 43	13 13		n.a.
M19	18 50	5 26	0 15	11 52	2 48	25 59	2 39	4 48	0 53	8 52	1 19	11 12	2 24	18 42	0 8	20 16	1 21	7 35	15 19	6 18	5 42	13 12		n.a.
T 20	19 5	9 18	0s55	11 41	2 52	25 51	2 36	5 4	0 52	8 49	1 19	11 10	2 24	18 41	0 8	20 16	1 21	7 34	15 19	6 18	5 40	13 10		n.a.
W21	19 20	12 49	2 4	11 34	2 54	25 43	2 32	5 20	0 52	8 46	1 19	11 9	2 24	18 40	0 8	20 15	1 21	7 34	15 19	6 17	5 39	13 9		n.a.
T 22	19 35	15 43	3 8	11 33	2 54	25 34	2 27	5 36	0 52	8 44	1 20	11 8	2 23	18 40	0 8	20 15	1 21	7 33	15 20	6 16	5 38	13 7		n.a.
F 23	19 49	17 46	4 2	11 35	2 53	25 24	2 23	5 52	0 51	8 41	1 20	11 6	2 23	18 39	0 8	20 15	1 21	7 33	15 20	6 13	5 37	13 6		n.a.
S 24	20 3	18 45	4 42	11 42	2 51	25 14	2 18	6 8	0 51	8 39	1 20	11 5	2 23	18 38	0 8	20 14	1 21	7 32	15 20	6 11	5 35	13 4		n.a.
S 25	20 16	18 32	5 4	11 53	2 48	25 3	2 14	6 24	0 51	8 37	1 20	11 4	2 23	18 38	0 8	20 14	1 21	7 32	15 21	6 8	5 34	13 3		n.a.
M26	20 29	17 7	5 7	12 7	2 43	24 52	2 8	6 40	0 50	8 34	1 21	11 2	2 23	18 37	0 8	20 14	1 21	7 31	15 21	6 5	5 33	13 2		n.a.
T 27	20 42	14 38	4 51	12 23	2 38	24 41	2 3	6 56	0 50	8 32	1 21	11 1	2 22	18 36	0 8	20 13	1 21	7 31	15 21	6 3	5 32	13 0		n.a.
W28	20 55	11 16	4 17	12 42	2 33	24 29	1 57	7 12	0 49	8 30	1 21	11 0	2 22	18 36	0 8	20 13	1 21	7 31	15 21	6 2	5 30	12 59		n.a.
T 29	21 7	7 17	3 27	13 3	2 27	24 17	1 51	7 28	0 49	8 28	1 21	10 59	2 22	18 35	0 8	20 13	1 21	7 30	15 22	6 2	5 29	12 57		n.a.
F 30	21s18	2n57	2s26	13s26	2n20	24s 4	1s45	7s43	0n48	8n26	1n22	10n58	2s22	18n35	0s 8	20n13	1s21	7n30	15n22	6s 2	5s28	12s56		n.a.

Julian Day Number = 1634432.5, Delta T = 03h40m00s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'28, Lahiri = - 7°14'28 Julian Calendar 1 Nov. 239 BCE == Greg. Calendar 28 Oct. 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 239 BCE
geocentric

DECEMBER 239 BCE (-238) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 22 13	5♐35'04	0♎48	13♏ 2	19♑55	22♎ 9	12♍ 1	4°R29	22°R49	5°R51	16♎50	15♎10	13♎39	12♒35	n.a.	S 1
S 2	4 26 9	6°36'20	14°23	14° 2	20°39	22°50	12° 6	4♉25	22♉47	5♊49	16°52	15°R11	13°35	12°42	n.a.	S 2
M 3	4 30 6	7°37'37	27°48	15° 6	21°22	23°30	12°12	4°21	22°44	5°47	16°54	15°10	13°32	12°49	n.a.	M 3
T 4	4 34 2	8°38'54	11♏ 1	16°12	22° 4	24°11	12°17	4°17	22°42	5°46	16°56	15° 7	13°29	12°55	n.a.	T 4
W 5	4 37 59	9°40'11	24° 4	17°21	22°44	24°52	12°22	4°14	22°39	5°44	16°57	15° 1	13°26	13° 2	n.a.	W 5
T 6	4 41 56	10°41'27	6♐55	18°32	23°24	25°33	12°27	4°10	22°37	5°42	16°59	14°53	13°23	13° 9	n.a.	T 6
F 7	4 45 52	11°42'44	19°35	19°45	24° 2	26°13	12°32	4° 7	22°35	5°40	17° 1	14°43	13°19	13°16	n.a.	F 7
S 8	4 49 49	12°44'00	2♑ 2	21° 0	24°38	26°54	12°37	4° 4	22°32	5°39	17° 2	14°31	13°16	13°22	n.a.	S 8
S 9	4 53 45	13°45'15	14°17	22°17	25°14	27°35	12°41	4° 0	22°30	5°37	17° 4	14°19	13°13	13°29	n.a.	S 9
M10	4 57 42	14°46'31	26°22	23°35	25°48	28°16	12°46	3°57	22°28	5°35	17° 5	14° 9	13°10	13°36	n.a.	M10
T 11	5 1 38	15°47'45	8♒18	24°54	26°20	28°57	12°50	3°54	22°25	5°34	17° 7	14° 0	13° 7	13°42	n.a.	T 11
W12	5 5 35	16°48'59	20° 9	26°15	26°51	29°37	12°54	3°51	22°23	5°32	17° 8	13°54	13° 4	13°49	n.a.	W12
T 13	5 9 32	17°50'12	1♓58	27°36	27°20	0♏18	12°57	3°48	22°21	5°30	17°10	13°50	13° 0	13°56	n.a.	T 13
F 14	5 13 28	18°51'25	13°51	28°59	27°48	0°59	13° 1	3°46	22°19	5°29	17°11	13°D48	12°57	14° 3	n.a.	F 14
S 15	5 17 25	19°52'36	25°52	0♐23	28°14	1°40	13° 5	3°43	22°16	5°27	17°13	13°48	12°54	14° 9	n.a.	S 15
S 16	5 21 21	20°53'47	8♈ 7	1°47	28°38	2°21	13° 8	3°40	22°14	5°25	17°14	13°R49	12°51	14°16	n.a.	S 16
M17	5 25 18	21°54'57	20°42	3°13	29° 0	3° 2	13°11	3°38	22°12	5°24	17°15	13°49	12°48	14°23	n.a.	M17
T 18	5 29 14	22°56'05	3♉41	4°39	29°20	3°43	13°14	3°35	22°10	5°22	17°17	13°47	12°45	14°29	n.a.	T 18
W19	5 33 11	23°57'13	17° 6	6° 6	29°38	4°24	13°17	3°33	22° 8	5°21	17°18	13°43	12°41	14°36	n.a.	W19
T 20	5 37 7	24°58'21	1♊ 0	7°33	29°54	5° 5	13°19	3°31	22° 6	5°19	17°19	13°36	12°38	14°43	n.a.	T 20
F 21	5 41 4	25°59'27	15°19	9° 1	0♒ 8	5°46	13°21	3°29	22° 4	5°17	17°20	13°27	12°35	14°49	n.a.	F 21
S 22	5 45 1	27° 0'32	29°59	10°30	0°20	6°27	13°24	3°27	22° 2	5°16	17°22	13°16	12°32	14°56	n.a.	S 22
S 23	5 48 57	28° 1'37	14♋51	12° 0	0°29	7° 8	13°26	3°25	22° 0	5°14	17°23	13° 4	12°29	15° 3	n.a.	S 23
M24	5 52 54	29° 2'40	29°48	13°30	0°37	7°49	13°27	3°23	21°58	5°13	17°24	12°53	12°25	15°10	n.a.	M24
T 25	5 56 50	0♑ 3'43	14♌40	15° 1	0°41	8°30	13°29	3°22	21°56	5°11	17°25	12°45	12°22	15°16	n.a.	T 25
W26	6 0 47	1° 4'45	29°18	16°33	0°R44	9°11	13°30	3°20	21°54	5°10	17°26	12°39	12°19	15°23	n.a.	W26
T 27	6 4 43	2° 5'47	13♍40	18° 5	0°43	9°52	13°32	3°19	21°52	5° 8	17°27	12°36	12°16	15°30	n.a.	T 27
F 28	6 8 40	3° 6'47	27°41	19°38	0°41	10°33	13°33	3°18	21°51	5° 7	17°28	12°35	12°13	15°36	n.a.	F 28
S 29	6 12 36	4° 7'47	11♎23	21°12	0°36	11°15	13°34	3°16	21°49	5° 5	17°29	12°35	12°10	15°43	n.a.	S 29
S 30	6 16 33	5° 8'46	24°46	22°46	0°28	11°56	13°34	3°15	21°47	5° 4	17°30	12°34	12° 6	15°50	n.a.	S 30
M31	6 20 30	6♑ 9'44	7♏54	24♐21	0♒18	12♏37	13♍35	3♉14	21♉46	5♊ 3	17♎31	12♎32	12♎ 3	15♒56	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s29	1s30	1s17	13s49	2n13	23s51	1s39	7s59	0n48	8n24	1n22	10n57	2s22	18n34	0s 8	20n12	1s21	7n29	15n22	6s 3	5s27	12s54		n.a.
S 2	21 40	5 48	0 4	14 15	2 6	23 38	1 32	8 15	0 48	8 22	1 22	10 55	2 21	18 33	0 8	20 12	1 21	7 29	15 23	6 3	5 25	12 53		n.a.
M 3	21 50	9 46	1n 7	14 41	1 58	23 24	1 25	8 30	0 47	8 20	1 22	10 54	2 21	18 33	0 8	20 12	1 21	7 29	15 23	6 3	5 24	12 51		n.a.
T 4	22 0	13 11	2 14	15 7	1 50	23 10	1 18	8 46	0 47	8 18	1 23	10 53	2 21	18 32	0 8	20 11	1 21	7 28	15 24	6 1	5 23	12 50		n.a.
W 5	22 10	15 54	3 13	15 35	1 42	22 56	1 10	9 1	0 46	8 16	1 23	10 52	2 21	18 31	0 8	20 11	1 21	7 28	15 24	5 59	5 22	12 48		n.a.
T 6	22 19	17 46	4 1	16 2	1 34	22 41	1 2	9 17	0 46	8 15	1 23	10 51	2 21	18 31	0 8	20 11	1 21	7 28	15 24	5 56	5 20	12 47		n.a.
F 7	22 27	18 44	4 36	16 30	1 26	22 27	0 54	9 32	0 45	8 13	1 24	10 50	2 20	18 30	0 8	20 11	1 21	7 28	15 25	5 52	5 19	12 46		n.a.
S 8	22 35	18 46	4 57	16 58	1 18	22 12	0 46	9 48	0 45	8 12	1 24	10 50	2 20	18 30	0 8	20 10	1 21	7 27	15 25	5 47	5 18	12 44		n.a.
S 9	22 43	17 55	5 4	17 26	1 10	21 57	0 37	10 3	0 44	8 10	1 24	10 49	2 20	18 29	0 8	20 10	1 21	7 27	15 25	5 43	5 17	12 43		n.a.
M10	22 50	16 16	4 57	17 54	1 2	21 41	0 28	10 18	0 44	8 9	1 24	10 48	2 20	18 28	0 8	20 10	1 21	7 27	15 26	5 39	5 15	12 41		n.a.
T 11	22 57	13 56	4 37	18 21	0 53	21 26	0 18	10 33	0 43	8 7	1 25	10 47	2 19	18 28	0 8	20 9	1 21	7 27	15 26	5 35	5 14	12 40		n.a.
W12	23 4	11 3	4 6	18 48	0 45	21 10	0 9	10 48	0 43	8 6	1 25	10 46	2 19	18 27	0 8	20 9	1 21	7 26	15 27	5 33	5 13	12 38		n.a.
T 13	23 9	7 44	3 24	19 15	0 37	20 55	0n 1	11 3	0 42	8 5	1 25	10 46	2 19	18 27	0 8	20 9	1 21	7 26	15 27	5 31	5 12	12 37		n.a.
F 14	23 15	4 5	2 33	19 41	0 29	20 39	0 12	11 18	0 42	8 4	1 26	10 45	2 19	18 26	0 8	20 9	1 21	7 26	15 27	5 31	5 10	12 35		n.a.
S 15	23 20	0 13	1 34	20 7	0 22	20 23	0 23	11 33	0 41	8 3	1 26	10 44	2 18	18 26	0 8	20 8	1 21	7 26	15 28	5 31	5 9	12 34		n.a.
S 16	23 24	3n43	0 30	20 32	0 14	20 8	0 34	11 48	0 41	8 2	1 26	10 44	2 18	18 25	0 8	20 8	1 21	7 26	15 28	5 31	5 8	12 32		n.a.
M17	23 28	7 37	0s37	20 57	0 6	19 52	0 45	12 2	0 40	8 1	1 27	10 43	2 18	18 25	0 8	20 8	1 21	7 26	15 29	5 31	5 7	12 31		n.a.
T 18	23 32	11 16	1 44	21 20	0s 1	19 36	0 57	12 17	0 40	8 0	1 27	10 42	2 17	18 24	0 8	20 8	1 21	7 26	15 29	5 30	5 5	12 29		n.a.
W19	23 35	14 28	2 47	21 43	0 9	19 21	1 9	12 31	0 39	7 59	1 27	10 42	2 17	18 23	0 8	20 7	1 21	7 26	15 30	5 28	5 4	12 28		n.a.
T 20	23 37	16 58	3 43	22 5	0 16	19 5	1 21	12 46	0 38	7 58	1 27	10 41	2 17	18 23	0 8	20 7	1 21	7 26	15 30	5 26	5 3	12 26		n.a.
F 21	23 40	18 30	4 26	22 27	0 23	18 50	1 34	13 0	0 38	7 58	1 28	10 41	2 17	18 22	0 8	20 7	1 21	7 26	15 30	5 22	5 2	12 25		n.a.
S 22	23 41	18 50	4 53	22 47	0 30	18 35	1 47	13 14	0 37	7 57	1 28	10 41	2 16	18 22	0 8	20 7	1 21	7 25	15 31	5 18	5 0	12 23		n.a.
S 23	23 42	17 54	5 1	23 6	0 37	18 20	2 0	13 29	0 37	7 57	1 28	10 40	2 16	18 21	0 8	20 6	1 21	7 25	15 31	5 13	4 59	12 22		n.a.
M24	23 43	15 44	4 48	23 24	0 43	18 5	2 13	13 43	0 36	7 56	1 29	10 40	2 16	18 21	0 8	20 6	1 21	7 25	15 32	5 9	4 58	12 20		n.a.
T 25	23 43	12 33	4 16	23 41	0 50	17 51	2 27	13 57	0 36	7 56	1 29	10 40	2 15	18 20	0 8	20 6	1 21	7 25	15 32	5 6	4 57	12 19		n.a.
W26	23 43	8 37	3 28	23 58	0 56	17 37	2 41	14 10	0 35	7 56	1 29	10 39	2 15	18 20	0 8	20 6	1 21	7 26	15 33	5 3	4 55	12 17		n.a.
T 27	23 42	4 15	2 27	24 12	1 2	17 23	2 55	14 24	0 34	7 55	1 30	10 39	2 15	18 20	0 8	20 5	1 21	7 26	15 33	5 2	4 54	12 16		n.a.
F 28	23 41	0s16	1 18	24 26	1 8	17 9	3 10	14 38	0 34	7 55	1 30	10 39	2 15	18 19	0 8	20 5	1 20	7 26	15 34	5 2	4 53	12 14		n.a.
S 29	23 39	4 39	0 6	24 38	1 13	16 56	3 24	14 51	0 33	7 55	1 30	10 39	2 14	18 19	0 8	20 5	1 20	7 26	15 34	5 2	4 52	12 13		n.a.
S 30	23 37	8 43	1n 4	24 49	1 18	16 43	3 39	15 5	0 32	7 55	1 30	10 39	2 14	18 18	0 8	20 5	1 20	7 26	15 35	5 1	4 50	12 11		n.a.
M31	23s35	12s16	2n10	24s59	1s23	16s31	3n54	15s18	0n32	7n55	1n31	10n39	2s14	18n18	0s 8	20n 4	1s20	7n26	15n35	5s 1	4s49	12s10		n.a.

Julian Day Number = 1634462.5, Delta T = 03h39m59s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'24, Lahiri = - 7°14'24 Julian Calendar 1 Dec. 239 BCE == Greg. Calendar 27 Nov. 239 BCE

The year -238 astronomical counting style corresponds to year 239 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

JANUARY 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 24 26	7♑10'42	20♏48	25♐56	0°R 5	13♏18	13♍35	3°R14	21°R44	5°R 1	17♎32	12°R28	12♎ 0	16♒ 3	n.a.	T 1
W 2	6 28 23	8°11'38	3♐30	27°32	29♑50	14° 0	13°R35	3♉13	21♉42	5♊ 0	17°32	12♎20	11°57	16°10	n.a.	W 2
T 3	6 32 19	9°12'33	16° 3	29° 9	29°33	14°41	13°35	3°12	21°41	4°58	17°33	12° 9	11°54	16°17	n.a.	T 3
F 4	6 36 16	10°13'27	28°25	0♑47	29°13	15°22	13°35	3°12	21°40	4°57	17°34	11°56	11°51	16°23	n.a.	F 4
S 5	6 40 12	11°14'20	10♑40	2°25	28°50	16° 3	13°34	3°11	21°38	4°56	17°35	11°41	11°47	16°30	n.a.	S 5
S 6	6 44 9	12°15'12	22°46	4° 5	28°26	16°45	13°34	3°11	21°37	4°54	17°35	11°26	11°44	16°37	n.a.	S 6
M 7	6 48 6	13°16'02	4♒44	5°44	27°59	17°26	13°33	3°11	21°35	4°53	17°36	11°12	11°41	16°43	n.a.	M 7
T 8	6 52 2	14°16'51	16°37	7°25	27°31	18° 7	13°32	3°D11	21°34	4°52	17°36	11° 0	11°38	16°50	n.a.	T 8
W 9	6 55 59	15°17'38	28°26	9° 7	27° 0	18°49	13°30	3°11	21°33	4°51	17°37	10°51	11°35	16°57	n.a.	W 9
T 10	6 59 55	16°18'23	10♓15	10°49	26°28	19°30	13°29	3°11	21°32	4°50	17°38	10°45	11°31	17° 3	n.a.	T 10
F 11	7 3 52	17°19'07	22° 6	12°32	25°54	20°12	13°27	3°11	21°31	4°48	17°38	10°42	11°28	17°10	n.a.	F 11
S 12	7 7 48	18°19'48	4♈ 5	14°16	25°19	20°53	13°26	3°12	21°29	4°47	17°38	10°41	11°25	17°17	n.a.	S 12
S 13	7 11 45	19°20'28	16°16	16° 1	24°43	21°34	13°24	3°12	21°28	4°46	17°39	10°41	11°22	17°24	n.a.	S 13
M14	7 15 41	20°21'07	28°46	17°46	24° 7	22°16	13°21	3°13	21°27	4°45	17°39	10°41	11°19	17°30	n.a.	M14
T 15	7 19 38	21°21'43	11♉40	19°33	23°29	22°57	13°19	3°14	21°26	4°44	17°40	10°39	11°16	17°37	n.a.	T 15
W16	7 23 35	22°22'18	25° 0	21°20	22°52	23°39	13°17	3°15	21°26	4°43	17°40	10°36	11°12	17°44	n.a.	W16
T 17	7 27 31	23°22'50	8♊51	23° 8	22°14	24°20	13°14	3°16	21°25	4°42	17°40	10°29	11° 9	17°50	n.a.	T 17
F 18	7 31 28	24°23'21	23°12	24°57	21°37	25° 2	13°11	3°17	21°24	4°41	17°40	10°21	11° 6	17°57	n.a.	F 18
S 19	7 35 24	25°23'50	8♋ 0	26°47	21° 0	25°43	13° 8	3°18	21°23	4°40	17°41	10°10	11° 3	18° 4	n.a.	S 19
S 20	7 39 21	26°24'17	23° 6	28°37	20°24	26°25	13° 4	3°19	21°22	4°39	17°41	9°59	11° 0	18°10	n.a.	S 20
M21	7 43 17	27°24'43	8♌21	0♒28	19°49	27° 6	13° 1	3°21	21°22	4°38	17°41	9°48	10°57	18°17	n.a.	M21
T 22	7 47 14	28°25'06	23°34	2°20	19°15	27°48	12°57	3°22	21°21	4°37	17°41	9°40	10°53	18°24	n.a.	T 22
W23	7 51 10	29°25'28	8♍34	4°13	18°42	28°29	12°54	3°24	21°21	4°36	17°41	9°34	10°50	18°31	n.a.	W23
T 24	7 55 7	0♒25'48	23°15	6° 6	18°11	29°11	12°50	3°26	21°20	4°36	17°R41	9°31	10°47	18°37	n.a.	T 24
F 25	7 59 4	1°26'07	7♎31	7°59	17°42	29°52	12°46	3°28	21°20	4°35	17°41	9°D30	10°44	18°44	n.a.	F 25
S 26	8 3 0	2°26'24	21°21	9°53	17°15	0♐34	12°41	3°30	21°19	4°34	17°41	9°30	10°41	18°51	n.a.	S 26
S 27	8 6 57	3°26'40	4♏47	11°46	16°50	1°16	12°37	3°32	21°19	4°33	17°41	9°R30	10°37	18°57	n.a.	S 27
M28	8 10 53	4°26'54	17°51	13°40	16°27	1°57	12°32	3°34	21°19	4°33	17°41	9°29	10°34	19° 4	n.a.	M28
T 29	8 14 50	5°27'06	0♐37	15°33	16° 7	2°39	12°27	3°36	21°19	4°32	17°41	9°26	10°31	19°11	n.a.	T 29
W30	8 18 46	6°27'17	13° 8	17°26	15°49	3°21	12°22	3°39	21°18	4°31	17°40	9°21	10°28	19°17	n.a.	W30
T 31	8 22 43	7♒27'26	25♐27	19♒17	15♑33	4♐ 2	12♍17	3♉41	21♉18	4♊31	17♎40	9♎13	10♎25	19♒24	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
T 1	23s31	15s 9	3n 7	25s 8	1s28	16s19	4n 9	15s31	0n31	7n56	1n31	10n39	2s13	18n17	0s 8	20n 4	1s20	7n26	15n35	4s59	4s48	12s 8					n.a.
W 2	23 28	17 16	3 54	25 15	1 33	16 8	4 23	15 44	0 30	7 56	1 31	10 39	2 13	18 17	0 8	20 4	1 20	7 26	15 36	4 56	4 47	12 7					n.a.
T 3	23 24	18 31	4 29	25 20	1 37	15 57	4 38	15 57	0 30	7 56	1 32	10 39	2 13	18 17	0 8	20 4	1 20	7 26	15 36	4 52	4 45	12 5					n.a.
F 4	23 19	18 51	4 51	25 24	1 41	15 47	4 53	16 10	0 29	7 56	1 32	10 39	2 13	18 16	0 8	20 4	1 20	7 26	15 37	4 46	4 44	12 4					n.a.
S 5	23 14	18 19	4 59	25 26	1 44	15 37	5 7	16 23	0 28	7 57	1 32	10 39	2 12	18 16	0 8	20 3	1 20	7 27	15 37	4 40	4 43	12 2					n.a.
S 6	23 9	16 57	4 54	25 27	1 48	15 28	5 22	16 36	0 28	7 57	1 33	10 39	2 12	18 16	0 8	20 3	1 20	7 27	15 38	4 35	4 42	12 1					n.a.
M 7	23 3	14 51	4 35	25 26	1 51	15 20	5 36	16 48	0 27	7 58	1 33	10 40	2 12	18 15	0 8	20 3	1 20	7 27	15 38	4 29	4 40	11 59					n.a.
T 8	22 57	12 9	4 4	25 24	1 53	15 12	5 49	17 0	0 26	7 59	1 33	10 40	2 11	18 15	0 8	20 3	1 20	7 27	15 39	4 24	4 39	11 58					n.a.
W 9	22 50	8 59	3 23	25 20	1 56	15 4	6 3	17 13	0 26	8 0	1 33	10 40	2 11	18 15	0 7	20 3	1 20	7 28	15 39	4 21	4 38	11 56					n.a.
T 10	22 43	5 27	2 34	25 14	1 58	14 58	6 15	17 25	0 25	8 0	1 34	10 40	2 11	18 14	0 7	20 2	1 20	7 28	15 40	4 18	4 37	11 55					n.a.
F 11	22 35	1 42	1 37	25 6	1 59	14 52	6 28	17 37	0 24	8 1	1 34	10 41	2 10	18 14	0 7	20 2	1 20	7 28	15 40	4 17	4 35	11 53					n.a.
S 12	22 27	2n10	0 35	24 57	2 1	14 47	6 39	17 49	0 23	8 2	1 34	10 41	2 10	18 14	0 7	20 2	1 20	7 28	15 41	4 17	4 34	11 52					n.a.
S 13	22 18	6 1	0s30	24 45	2 1	14 42	6 50	18 0	0 23	8 3	1 35	10 42	2 10	18 13	0 7	20 2	1 20	7 29	15 41	4 17	4 33	11 50					n.a.
M14	22 10	9 42	1 34	24 32	2 2	14 38	7 1	18 12	0 22	8 4	1 35	10 42	2 10	18 13	0 7	20 2	1 20	7 29	15 42	4 16	4 32	11 49					n.a.
T 15	22 0	13 2	2 36	24 17	2 2	14 35	7 10	18 23	0 21	8 6	1 35	10 43	2 9	18 13	0 7	20 2	1 20	7 29	15 42	4 16	4 30	11 47					n.a.
W16	21 50	15 49	3 32	24 0	2 1	14 33	7 19	18 34	0 20	8 7	1 35	10 43	2 9	18 13	0 7	20 1	1 20	7 30	15 43	4 14	4 29	11 46					n.a.
T 17	21 40	17 48	4 17	23 41	2 0	14 31	7 27	18 46	0 20	8 8	1 36	10 44	2 9	18 13	0 7	20 1	1 20	7 30	15 43	4 12	4 28	11 44					n.a.
F 18	21 30	18 45	4 48	23 20	1 58	14 30	7 34	18 57	0 19	8 10	1 36	10 45	2 8	18 12	0 7	20 1	1 20	7 30	15 44	4 8	4 27	11 43					n.a.
S 19	21 19	18 28	5 1	22 57	1 56	14 29	7 40	19 7	0 18	8 11	1 36	10 45	2 8	18 12	0 7	20 1	1 20	7 31	15 44	4 4	4 25	11 41					n.a.
S 20	21 7	16 54	4 54	22 32	1 54	14 29	7 45	19 18	0 17	8 13	1 37	10 46	2 8	18 12	0 7	20 1	1 20	7 31	15 45	4 0	4 24	11 39					n.a.
M21	20 55	14 7	4 25	22 5	1 51	14 30	7 49	19 29	0 16	8 14	1 37	10 47	2 7	18 12	0 7	20 1	1 20	7 32	15 45	3 56	4 23	11 38					n.a.
T 22	20 43	10 23	3 38	21 36	1 47	14 31	7 53	19 39	0 16	8 16	1 37	10 48	2 7	18 12	0 7	20 1	1 19	7 32	15 46	3 52	4 22	11 36					n.a.
W23	20 31	6 2	2 36	21 5	1 43	14 33	7 55	19 49	0 15	8 17	1 37	10 49	2 7	18 12	0 7	20 1	1 19	7 32	15 46	3 50	4 20	11 35					n.a.
T 24	20 18	1 25	1 25	20 33	1 38	14 36	7 57	19 59	0 14	8 19	1 38	10 50	2 6	18 11	0 7	20 0	1 19	7 33	15 47	3 49	4 19	11 33					n.a.
F 25	20 4	3s11	0 11	19 58	1 32	14 39	7 57	20 9	0 13	8 21	1 38	10 50	2 6	18 11	0 7	20 0	1 19	7 33	15 47	3 48	4 18	11 32					n.a.
S 26	19 51	7 27	1n 3	19 21	1 26	14 42	7 57	20 19	0 12	8 23	1 38	10 51	2 6	18 11	0 7	20 0	1 19	7 34	15 48	3 48	4 16	11 30					n.a.
S 27	19 37	11 13	2 10	18 43	1 19	14 46	7 56	20 28	0 11	8 25	1 38	10 52	2 6	18 11	0 7	20 0	1 19	7 34	15 48	3 49	4 15	11 29					n.a.
M28	19 22	14 20	3 9	18 3	1 11	14 50	7 55	20 38	0 10	8 27	1 39	10 53	2 5	18 11	0 7	20 0	1 19	7 35	15 49	3 48	4 14	11 27					n.a.
T 29	19 8	16 39	3 57	17 22	1 3	14 55	7 52	20 47	0 10	8 29	1 39	10 54	2 5	18 11	0 7	20 0	1 19	7 35	15 49	3 47	4 13	11 26					n.a.
W30	18 53	18 8	4 33	16 39	0 54	15 0	7 49	20 56	0 9	8 31	1 39	10 56	2 5	18 11	0 7	20 0	1 19	7 36	15 50	3 45	4 11	11 24					n.a.
T 31	18s37	18s44	4n55	15s55	0s44	15s 6	7n46	21s 5	0n 8	8n33	1n39	10n57	2s 4	18n11	0s 7	20n 0	1s19	7n36	15n50	3s42	4s10	11s23					n.a.

Julian Day Number = 1634493.5, Delta T = 03h39m58s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'20, Lahiri = - 7°14'20 Julian Calendar 1 Jan. 238 BCE == Greg. Calendar 28 Dec. 239 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

FEBRUARY 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 26 39	8♒27'34	7♉37	21♒ 8	15°R20	4♐44	12°R12	3♉44	21°R18	4°R30	17°R40	9°R 2	10♎22	19♒31	n.a.	F 1
S 2	8 30 36	9°27'39	19°40	22°56	15♉ 9	5°26	12♍ 7	3°47	21°D18	4♊30	17♎40	8♎51	10°18	19°37	n.a.	S 2
S 3	8 34 33	10°27'43	1♒37	24°43	15° 1	6° 7	12° 1	3°50	21♉18	4°29	17°39	8°39	10°15	19°44	n.a.	S 3
M 4	8 38 29	11°27'44	13°30	26°27	14°55	6°49	11°55	3°53	21°18	4°29	17°39	8°28	10°12	19°51	n.a.	M 4
T 5	8 42 26	12°27'44	25°20	28° 8	14°52	7°31	11°50	3°56	21°18	4°28	17°38	8°18	10° 9	19°58	n.a.	T 5
W 6	8 46 22	13°27'42	7♓ 9	29°45	14°D51	8°13	11°44	3°59	21°19	4°28	17°38	8°11	10° 6	20° 4	n.a.	W 6
T 7	8 50 19	14°27'37	18°59	1♓19	14°52	8°54	11°38	4° 2	21°19	4°27	17°38	8° 7	10° 3	20°11	n.a.	T 7
F 8	8 54 15	15°27'30	0♈53	2°47	14°56	9°36	11°31	4° 5	21°19	4°27	17°37	8° 5	9°59	20°18	n.a.	F 8
S 9	8 58 12	16°27'21	12°54	4°10	15° 2	10°18	11°25	4° 9	21°20	4°27	17°36	8°D 4	9°56	20°24	n.a.	S 9
S 10	9 2 8	17°27'09	25° 7	5°28	15°11	11° 0	11°19	4°12	21°20	4°26	17°36	8° 5	9°53	20°31	n.a.	S 10
M11	9 6 5	18°26'56	7♉35	6°40	15°21	11°41	11°12	4°16	21°20	4°26	17°35	8° 7	9°50	20°38	n.a.	M11
T 12	9 10 1	19°26'39	20°25	7°44	15°34	12°23	11° 6	4°20	21°21	4°26	17°35	8°R 7	9°47	20°44	n.a.	T 12
W13	9 13 58	20°26'21	3♊39	8°42	15°49	13° 5	10°59	4°24	21°22	4°26	17°34	8° 6	9°43	20°51	n.a.	W13
T 14	9 17 55	21°26'00	17°21	9°32	16° 6	13°47	10°52	4°28	21°22	4°26	17°33	8° 3	9°40	20°58	n.a.	T 14
F 15	9 21 51	22°25'37	1♋32	10°15	16°24	14°28	10°45	4°32	21°23	4°26	17°33	7°59	9°37	21° 4	n.a.	F 15
S 16	9 25 48	23°25'12	16°10	10°50	16°45	15°10	10°38	4°36	21°24	4°26	17°32	7°53	9°34	21°11	n.a.	S 16
S 17	9 29 44	24°24'44	1♌10	11°16	17° 7	15°52	10°31	4°40	21°24	4°26	17°31	7°46	9°31	21°18	n.a.	S 17
M18	9 33 41	25°24'13	16°25	11°35	17°32	16°34	10°24	4°44	21°25	4°D26	17°30	7°39	9°28	21°25	n.a.	M18
T 19	9 37 37	26°23'41	1♍43	11°45	17°57	17°16	10°16	4°49	21°26	4°26	17°29	7°34	9°24	21°31	n.a.	T 19
W20	9 41 34	27°23'06	16°54	11°R47	18°25	17°57	10° 9	4°53	21°27	4°26	17°28	7°31	9°21	21°38	n.a.	W20
T 21	9 45 30	28°22'30	1♎48	11°41	18°54	18°39	10° 2	4°58	21°28	4°26	17°28	7°D29	9°18	21°45	n.a.	T 21
F 22	9 49 27	29°21'51	16°18	11°28	19°25	19°21	9°54	5° 2	21°29	4°26	17°27	7°29	9°15	21°51	n.a.	F 22
S 23	9 53 24	0♓21'11	0♏22	11° 8	19°57	20° 3	9°47	5° 7	21°30	4°26	17°26	7°31	9°12	21°58	n.a.	S 23
S 24	9 57 20	1°20'28	13°58	10°41	20°30	20°45	9°39	5°12	21°31	4°26	17°25	7°32	9° 8	22° 5	n.a.	S 24
M25	10 1 17	2°19'44	27° 9	10° 8	21° 5	21°27	9°32	5°17	21°32	4°26	17°24	7°R33	9° 5	22°11	n.a.	M25
T 26	10 5 13	3°18'58	9♐56	9°30	21°42	22° 8	9°24	5°22	21°34	4°27	17°23	7°33	9° 2	22°18	n.a.	T 26
W27	10 9 10	4°18'10	22°26	8°48	22°19	22°50	9°16	5°27	21°35	4°27	17°21	7°31	8°59	22°25	n.a.	W27
T 28	10 13 6	5♓17'21	4♉40	8♓ 2	22♉58	23♐32	9♍ 9	5♉32	21♉36	4♊27	17♎20	7♎28	8♎56	22♒31	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s22	18s27	5n 3	15s10	0s34	15s11	7n41	21s13	0n 7	8n36	1n40	10n58	2s 4	18n11	0s 7	20n 0	1s19	7n37	15n50	3s37	4s 9	11s21		n.a.
S 2	18 6	17 21	4 58	14 24	0 23	15 17	7 37	21 22	0 6	8 38	1 40	10 59	2 4	18 11	0 7	20 0	1 19	7 37	15 51	3 33	4 8	11 19		n.a.
S 3	17 49	15 29	4 40	13 37	0 12	15 23	7 31	21 30	0 5	8 40	1 40	11 0	2 4	18 11	0 7	20 0	1 19	7 38	15 51	3 28	4 6	11 18		n.a.
M 4	17 33	12 59	4 10	12 50	0n 0	15 30	7 26	21 38	0 4	8 43	1 40	11 2	2 3	18 11	0 7	20 0	1 19	7 38	15 52	3 24	4 5	11 16		n.a.
T 5	17 16	9 58	3 28	12 4	0 13	15 36	7 20	21 46	0 3	8 45	1 40	11 3	2 3	18 11	0 7	20 0	1 19	7 39	15 52	3 20	4 4	11 15		n.a.
W 6	16 59	6 33	2 38	11 17	0 26	15 43	7 13	21 54	0 2	8 48	1 41	11 4	2 3	18 11	0 7	20 0	1 19	7 40	15 53	3 17	4 3	11 13		n.a.
T 7	16 41	2 52	1 41	10 31	0 40	15 49	7 6	22 2	0 1	8 50	1 41	11 6	2 2	18 11	0 7	20 0	1 19	7 40	15 53	3 15	4 1	11 12		n.a.
F 8	16 23	0n57	0 39	9 46	0 53	15 56	6 59	22 9	0 0	8 53	1 41	11 7	2 2	18 11	0 7	20 0	1 19	7 41	15 54	3 14	4 0	11 10		n.a.
S 9	16 5	4 45	0s26	9 3	1 7	16 3	6 52	22 16	0s 1	8 55	1 41	11 9	2 2	18 12	0 7	20 0	1 19	7 41	15 54	3 14	3 59	11 8		n.a.
S 10	15 47	8 26	1 31	8 21	1 21	16 9	6 44	22 23	0 2	8 58	1 41	11 10	2 2	18 12	0 7	20 0	1 19	7 42	15 55	3 15	3 58	11 7		n.a.
M11	15 29	11 48	2 32	7 42	1 35	16 16	6 36	22 30	0 3	9 1	1 42	11 11	2 1	18 12	0 7	20 0	1 18	7 43	15 55	3 15	3 56	11 5		n.a.
T 12	15 10	14 43	3 28	7 5	1 49	16 23	6 28	22 37	0 4	9 3	1 42	11 13	2 1	18 12	0 7	20 0	1 18	7 43	15 55	3 15	3 55	11 4		n.a.
W13	14 51	16 57	4 15	6 30	2 3	16 29	6 20	22 43	0 5	9 6	1 42	11 15	2 1	18 12	0 7	20 0	1 18	7 44	15 56	3 15	3 54	11 2		n.a.
T 14	14 31	18 19	4 49	5 59	2 16	16 36	6 11	22 49	0 6	9 9	1 42	11 16	2 0	18 12	0 7	20 0	1 18	7 45	15 56	3 14	3 53	11 1		n.a.
F 15	14 12	18 36	5 7	5 31	2 29	16 42	6 3	22 55	0 7	9 12	1 42	11 18	2 0	18 13	0 7	20 0	1 18	7 45	15 57	3 12	3 51	10 59		n.a.
S 16	13 52	17 40	5 6	5 6	2 41	16 48	5 54	23 1	0 8	9 14	1 42	11 19	2 0	18 13	0 7	20 0	1 18	7 46	15 57	3 10	3 50	10 58		n.a.
S 17	13 32	15 31	4 44	4 46	2 53	16 54	5 46	23 7	0 9	9 17	1 42	11 21	2 0	18 13	0 7	20 0	1 18	7 47	15 57	3 7	3 49	10 56		n.a.
M18	13 12	12 16	4 2	4 29	3 3	16 59	5 37	23 12	0 10	9 20	1 43	11 23	1 59	18 13	0 7	20 0	1 18	7 47	15 58	3 4	3 47	10 54		n.a.
T 19	12 52	8 10	3 2	4 16	3 13	17 5	5 28	23 18	0 11	9 23	1 43	11 24	1 59	18 13	0 7	20 0	1 18	7 48	15 58	3 2	3 46	10 53		n.a.
W20	12 31	3 33	1 50	4 8	3 21	17 10	5 19	23 23	0 13	9 26	1 43	11 26	1 59	18 14	0 7	20 0	1 18	7 49	15 59	3 1	3 45	10 51		n.a.
T 21	12 11	1s12	0 31	4 4	3 28	17 15	5 10	23 28	0 14	9 29	1 43	11 28	1 59	18 14	0 7	20 0	1 18	7 49	15 59	3 0	3 44	10 50		n.a.
F 22	11 50	5 45	0n48	4 4	3 33	17 19	5 2	23 32	0 15	9 32	1 43	11 30	1 58	18 14	0 7	20 0	1 18	7 50	15 59	3 0	3 42	10 48		n.a.
S 23	11 29	9 50	2 1	4 8	3 37	17 24	4 53	23 37	0 16	9 35	1 43	11 32	1 58	18 15	0 7	20 0	1 18	7 51	16 0	3 1	3 41	10 46		n.a.
S 24	11 7	13 16	3 6	4 16	3 40	17 27	4 44	23 41	0 17	9 38	1 43	11 33	1 58	18 15	0 7	20 0	1 18	7 51	16 0	3 1	3 40	10 45		n.a.
M25	10 46	15 53	3 58	4 28	3 40	17 31	4 35	23 45	0 18	9 41	1 43	11 35	1 58	18 15	0 7	20 0	1 18	7 52	16 0	3 2	3 39	10 43		n.a.
T 26	10 24	17 38	4 37	4 44	3 39	17 34	4 26	23 49	0 20	9 44	1 43	11 37	1 57	18 16	0 7	20 1	1 18	7 53	16 1	3 2	3 37	10 42		n.a.
W27	10 3	18 29	5 2	5 2	3 36	17 37	4 18	23 52	0 21	9 47	1 43	11 39	1 57	18 16	0 7	20 1	1 18	7 53	16 1	3 1	3 36	10 40		n.a.
T 28	9s41	18s27	5n12	5s24	3n31	17s39	4n 9	23s56	0s22	9n50	1n44	11n41	1s57	18n16	0s 7	20n 1	1s18	7n54	16n 1	3s 0	3s35	10s39		n.a.

Julian Day Number = 1634524.5, Delta T = 03h39m57s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'16, Lahiri = - 7°14'15 Julian Calendar 1 Feb. 238 BCE == Greg. Calendar 28 Jan. 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

MARCH 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 17 3	6♓16'29	16♉43	7°R14	23♉37	24♐14	9°R 1	5♉37	21♉38	4♊28	17°R19	7°R24	8♎53	22♒38	n.a.	F 1
S 2	10 20 59	7°15'35	28°39	6♓24	24°18	24°56	8♍53	5°43	21°39	4°28	17♎18	7♎19	8°49	22°45	n.a.	S 2
S 3	10 24 56	8°14'40	10♒31	5°34	25° 0	25°37	8°46	5°48	21°41	4°29	17°17	7°14	8°46	22°51	n.a.	S 3
M 4	10 28 52	9°13'42	22°20	4°45	25°43	26°19	8°38	5°53	21°42	4°29	17°16	7° 8	8°43	22°58	n.a.	M 4
T 5	10 32 49	10°12'43	4♓10	3°57	26°27	27° 1	8°30	5°59	21°44	4°30	17°14	7° 4	8°40	23° 5	n.a.	T 5
W 6	10 36 46	11°11'41	16° 2	3°12	27°12	27°43	8°22	6° 5	21°45	4°30	17°13	7° 1	8°37	23°12	n.a.	W 6
T 7	10 40 42	12°10'37	27°58	2°29	27°57	28°25	8°15	6°10	21°47	4°31	17°12	7° 0	8°34	23°18	n.a.	T 7
F 8	10 44 39	13° 9'30	10♈ 0	1°51	28°44	29° 6	8° 7	6°16	21°49	4°31	17°11	6°D59	8°30	23°25	n.a.	F 8
S 9	10 48 35	14° 8'22	22°10	1°16	29°31	29°48	7°59	6°22	21°51	4°32	17° 9	7° 0	8°27	23°32	n.a.	S 9
S 10	10 52 32	15° 7'11	4♉32	0°47	0♒19	0♉30	7°52	6°28	21°52	4°33	17° 8	7° 2	8°24	23°38	n.a.	S 10
M11	10 56 28	16° 5'59	17° 7	0°22	1° 8	1°12	7°44	6°34	21°54	4°33	17° 7	7° 3	8°21	23°45	n.a.	M11
T 12	11 0 25	17° 4'43	0♊ 0	0° 2	1°58	1°53	7°37	6°40	21°56	4°34	17° 5	7° 4	8°18	23°52	n.a.	T 12
W13	11 4 21	18° 3'26	13°13	29♒48	2°48	2°35	7°29	6°46	21°58	4°35	17° 4	7°R 5	8°14	23°58	n.a.	W13
T 14	11 8 18	19° 2'06	26°48	29°39	3°39	3°17	7°22	6°52	22° 0	4°36	17° 2	7° 5	8°11	24° 5	n.a.	T 14
F 15	11 12 14	20° 0'44	10♋48	29°D35	4°31	3°58	7°14	6°58	22° 2	4°36	17° 1	7° 4	8° 8	24°12	n.a.	F 15
S 16	11 16 11	20°59'19	25°10	29°37	5°23	4°40	7° 7	7° 4	22° 4	4°37	17° 0	7° 3	8° 5	24°18	n.a.	S 16
S 17	11 20 8	21°57'52	9♌53	29°43	6°16	5°22	7° 0	7°11	22° 6	4°38	16°58	7° 1	8° 2	24°25	n.a.	S 17
M18	11 24 4	22°56'23	24°51	29°55	7° 9	6° 3	6°52	7°17	22° 8	4°39	16°57	6°59	7°59	24°32	n.a.	M18
T 19	11 28 1	23°54'52	9♍56	0♓11	8° 3	6°45	6°45	7°23	22°11	4°40	16°55	6°58	7°55	24°38	n.a.	T 19
W20	11 31 57	24°53'18	24°59	0°33	8°58	7°27	6°38	7°30	22°13	4°41	16°54	6°57	7°52	24°45	n.a.	W20
T 21	11 35 54	25°51'43	9♎51	0°58	9°53	8° 8	6°31	7°36	22°15	4°42	16°52	6°D57	7°49	24°52	n.a.	T 21
F 22	11 39 50	26°50'06	24°25	1°28	10°49	8°50	6°24	7°43	22°17	4°43	16°51	6°57	7°46	24°58	n.a.	F 22
S 23	11 43 47	27°48'26	8♏36	2° 2	11°45	9°31	6°17	7°50	22°20	4°44	16°49	6°58	7°43	25° 5	n.a.	S 23
S 24	11 47 43	28°46'46	22°21	2°41	12°41	10°13	6°11	7°56	22°22	4°45	16°47	6°58	7°39	25°12	n.a.	S 24
M25	11 51 40	29°45'03	5♐40	3°23	13°38	10°54	6° 4	8° 3	22°25	4°46	16°46	6°59	7°36	25°18	n.a.	M25
T 26	11 55 37	0♈43'19	18°34	4° 8	14°36	11°36	5°58	8°10	22°27	4°48	16°44	7° 0	7°33	25°25	n.a.	T 26
W27	11 59 33	1°41'34	1♉ 7	4°57	15°34	12°17	5°51	8°17	22°30	4°49	16°43	7°R 0	7°30	25°32	n.a.	W27
T 28	12 3 30	2°39'46	13°23	5°49	16°32	12°59	5°45	8°24	22°32	4°50	16°41	7° 0	7°27	25°39	n.a.	T 28
F 29	12 7 26	3°37'57	25°25	6°45	17°31	13°40	5°39	8°31	22°35	4°51	16°39	6°59	7°24	25°45	n.a.	F 29
S 30	12 11 23	4°36'07	7♒20	7°43	18°30	14°22	5°33	8°38	22°37	4°52	16°38	6°59	7°20	25°52	n.a.	S 30
S 31	12 15 19	5♈34'15	19♒ 9	8♓45	19♒29	15♉ 3	5♍27	8♉45	22♉40	4♊54	16♎36	6♎59	7♎17	25♒59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s19	17s34	5n 8	5s48	3n24	17s41	4n 0	23s59	0s23	9n53	1n44	11n43	1s57	18n17	0s 7	20n 1	1s17	7n55	16n 2	2s58	3s34	10s37		n.a.
S 2	8 57	15 55	4 51	6 14	3 16	17 43	3 52	24 2	0 24	9 56	1 44	11 45	1 56	18 17	0 7	20 1	1 17	7 56	16 2	2 56	3 32	10 35		n.a.
S 3	8 35	13 37	4 22	6 42	3 6	17 44	3 43	24 4	0 26	9 59	1 44	11 47	1 56	18 17	0 7	20 1	1 17	7 56	16 2	2 54	3 31	10 34		n.a.
M 4	8 12	10 45	3 41	7 10	2 55	17 44	3 35	24 7	0 27	10 2	1 44	11 49	1 56	18 18	0 7	20 1	1 17	7 57	16 3	2 52	3 30	10 32		n.a.
T 5	7 50	7 27	2 51	7 39	2 43	17 44	3 26	24 9	0 28	10 5	1 44	11 51	1 56	18 18	0 7	20 1	1 17	7 58	16 3	2 50	3 28	10 31		n.a.
W 6	7 27	3 51	1 53	8 8	2 29	17 44	3 18	24 11	0 29	10 8	1 44	11 53	1 56	18 19	0 7	20 2	1 17	7 59	16 3	2 49	3 27	10 29		n.a.
T 7	7 4	0 4	0 50	8 37	2 15	17 43	3 10	24 13	0 31	10 10	1 44	11 55	1 55	18 19	0 7	20 2	1 17	7 59	16 4	2 49	3 26	10 27		n.a.
F 8	6 42	3n45	0s17	9 5	2 0	17 42	3 1	24 15	0 32	10 13	1 44	11 57	1 55	18 20	0 7	20 2	1 17	8 0	16 4	2 48	3 25	10 26		n.a.
S 9	6 19	7 27	1 23	9 31	1 45	17 40	2 53	24 17	0 33	10 16	1 44	12 0	1 55	18 20	0 7	20 2	1 17	8 1	16 4	2 49	3 23	10 24		n.a.
S 10	5 56	10 53	2 26	9 57	1 29	17 38	2 45	24 18	0 35	10 19	1 44	12 2	1 55	18 21	0 7	20 2	1 17	8 1	16 4	2 49	3 22	10 23		n.a.
M11	5 33	13 53	3 24	10 20	1 13	17 35	2 37	24 19	0 36	10 22	1 44	12 4	1 54	18 21	0 7	20 2	1 17	8 2	16 5	2 50	3 21	10 21		n.a.
T 12	5 10	16 17	4 12	10 42	0 57	17 32	2 29	24 20	0 37	10 25	1 44	12 6	1 54	18 22	0 7	20 3	1 17	8 3	16 5	2 50	3 20	10 19		n.a.
W13	4 47	17 52	4 49	11 2	0 42	17 28	2 22	24 20	0 39	10 28	1 44	12 8	1 54	18 22	0 7	20 3	1 17	8 4	16 5	2 51	3 18	10 18		n.a.
T 14	4 23	18 30	5 11	11 19	0 26	17 24	2 14	24 21	0 40	10 30	1 44	12 11	1 54	18 23	0 6	20 3	1 17	8 4	16 5	2 51	3 17	10 16		n.a.
F 15	4 0	18 2	5 16	11 34	0 11	17 19	2 6	24 21	0 41	10 33	1 44	12 13	1 54	18 23	0 6	20 3	1 17	8 5	16 6	2 50	3 16	10 15		n.a.
S 16	3 37	16 25	5 1	11 48	0s 3	17 13	1 59	24 21	0 43	10 36	1 43	12 15	1 53	18 24	0 6	20 3	1 17	8 6	16 6	2 50	3 15	10 13		n.a.
S 17	3 13	13 43	4 26	11 58	0 17	17 8	1 52	24 21	0 44	10 39	1 43	12 17	1 53	18 24	0 6	20 4	1 17	8 7	16 6	2 49	3 13	10 11		n.a.
M18	2 50	10 3	3 33	12 7	0 31	17 1	1 44	24 20	0 45	10 41	1 43	12 20	1 53	18 25	0 6	20 4	1 17	8 7	16 6	2 48	3 12	10 10		n.a.
T 19	2 27	5 43	2 24	12 13	0 44	16 54	1 37	24 20	0 47	10 44	1 43	12 22	1 53	18 26	0 6	20 4	1 17	8 8	16 6	2 48	3 11	10 8		n.a.
W20	2 3	1 1	1 6	12 17	0 56	16 47	1 30	24 19	0 48	10 46	1 43	12 24	1 53	18 26	0 6	20 4	1 17	8 9	16 7	2 47	3 9	10 6		n.a.
T 21	1 40	3s42	0n16	12 19	1 8	16 39	1 23	24 18	0 50	10 49	1 43	12 26	1 52	18 27	0 6	20 5	1 16	8 10	16 7	2 47	3 8	10 5		n.a.
F 22	1 16	8 6	1 35	12 19	1 19	16 30	1 16	24 16	0 51	10 51	1 43	12 29	1 52	18 27	0 6	20 5	1 16	8 10	16 7	2 47	3 7	10 3		n.a.
S 23	0 53	11 54	2 47	12 16	1 30	16 21	1 9	24 15	0 53	10 54	1 43	12 31	1 52	18 28	0 6	20 5	1 16	8 11	16 7	2 48	3 6	10 2		n.a.
S 24	0 29	14 56	3 46	12 11	1 39	16 12	1 3	24 13	0 54	10 56	1 43	12 33	1 52	18 29	0 6	20 5	1 16	8 12	16 7	2 48	3 4	10 0		n.a.
M25	0 6	17 3	4 31	12 4	1 49	16 2	0 56	24 11	0 56	10 59	1 43	12 36	1 52	18 29	0 6	20 6	1 16	8 12	16 7	2 48	3 3	9 58		n.a.
T 26	0n17	18 13	5 1	11 55	1 57	15 51	0 50	24 9	0 57	11 1	1 43	12 38	1 52	18 30	0 6	20 6	1 16	8 13	16 7	2 48	3 2	9 57		n.a.
W27	0 41	18 27	5 16	11 44	2 5	15 40	0 44	24 7	0 59	11 3	1 42	12 41	1 51	18 31	0 6	20 6	1 16	8 14	16 7	2 49	3 1	9 55		n.a.
T 28	1 4	17 48	5 16	11 31	2 12	15 28	0 37	24 5	1 0	11 5	1 42	12 43	1 51	18 31	0 6	20 6	1 16	8 14	16 8	2 48	2 59	9 53		n.a.
F 29	1 28	16 22	5 1	11 16	2 18	15 16	0 31	24 2	1 2	11 8	1 42	12 45	1 51	18 32	0 6	20 7	1 16	8 15	16 8	2 48	2 58	9 52		n.a.
S 30	1 51	14 14	4 34	11 0	2 24	15 4	0 25	23 59	1 3	11 10	1 42	12 48	1 51	18 33	0 6	20 7	1 16	8 16	16 8	2 48	2 57	9 50		n.a.
S 31	2n14	11s31	3n56	10s41	2s29	14s51	0n19	23s56	1s 5	11n12	1n42	12n50	1s51	18n33	0s 6	20n 7	1s16	8n16	16n 8	2s48	2s56	9s49		n.a.

Julian Day Number = 1634552.5, Delta T = 03h39m56s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'12, Lahiri = - 7°14'12 Julian Calendar 1 March 238 BCE == Greg. Calendar 25 Feb. 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

APRIL 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 19 16	6♈32'21	0♓58	9♓49	20♒29	15♑44	5°R21	8♉52	22♉43	4♊55	16°R35	6°D59	7♎14	26♒ 5	n.a.	M 1
T 2	12 23 12	7°30'26	12°50	10°56	21°29	16°25	5♍16	8°59	22°45	4°56	16♎33	6♎59	7°11	26°12	n.a.	T 2
W 3	12 27 9	8°28'29	24°47	12° 6	22°29	17° 7	5°10	9° 6	22°48	4°58	16°31	6°59	7° 8	26°19	n.a.	W 3
T 4	12 31 5	9°26'30	6♈52	13°18	23°30	17°48	5° 5	9°13	22°51	4°59	16°30	6°R59	7° 5	26°25	n.a.	T 4
F 5	12 35 2	10°24'30	19° 6	14°32	24°31	18°29	4°59	9°20	22°54	5° 1	16°28	6°59	7° 1	26°32	n.a.	F 5
S 6	12 38 59	11°22'28	1♉32	15°49	25°32	19°10	4°54	9°28	22°57	5° 2	16°26	6°59	6°58	26°39	n.a.	S 6
S 7	12 42 55	12°20'24	14°10	17° 9	26°34	19°51	4°49	9°35	22°59	5° 4	16°25	6°58	6°55	26°45	n.a.	S 7
M 8	12 46 52	13°18'18	27° 2	18°30	27°36	20°32	4°45	9°42	23° 2	5° 5	16°23	6°57	6°52	26°52	n.a.	M 8
T 9	12 50 48	14°16'11	10♊ 8	19°54	28°38	21°13	4°40	9°50	23° 5	5° 7	16°21	6°56	6°49	26°59	n.a.	T 9
W10	12 54 45	15°14'02	23°30	21°20	29°40	21°54	4°36	9°57	23° 8	5° 8	16°19	6°56	6°45	27° 5	n.a.	W10
T 11	12 58 41	16°11'51	7♋ 8	22°48	0♓43	22°35	4°31	10° 5	23°11	5°10	16°18	6°55	6°42	27°12	n.a.	T 11
F 12	13 2 38	17° 9'38	21° 2	24°18	1°46	23°16	4°27	10°12	23°14	5°11	16°16	6°D55	6°39	27°19	n.a.	F 12
S 13	13 6 34	18° 7'23	5♌12	25°51	2°49	23°56	4°23	10°20	23°17	5°13	16°14	6°56	6°36	27°25	n.a.	S 13
S 14	13 10 31	19° 5'06	19°36	27°26	3°52	24°37	4°19	10°27	23°20	5°15	16°13	6°56	6°33	27°32	n.a.	S 14
M15	13 14 28	20° 2'48	4♍11	29° 2	4°56	25°18	4°16	10°35	23°23	5°16	16°11	6°57	6°30	27°39	n.a.	M15
T 16	13 18 24	21° 0'28	18°52	0♈41	6° 0	25°58	4°12	10°42	23°27	5°18	16° 9	6°58	6°26	27°45	n.a.	T 16
W17	13 22 21	21°58'06	3♎33	2°22	7° 4	26°39	4° 9	10°50	23°30	5°20	16° 8	6°R59	6°23	27°52	n.a.	W17
T 18	13 26 17	22°55'43	18° 9	4° 5	8° 8	27°19	4° 6	10°57	23°33	5°21	16° 6	6°58	6°20	27°59	n.a.	T 18
F 19	13 30 14	23°53'18	2♏32	5°50	9°12	28° 0	4° 3	11° 5	23°36	5°23	16° 4	6°57	6°17	28° 5	n.a.	F 19
S 20	13 34 10	24°50'52	16°38	7°37	10°17	28°40	4° 0	11°13	23°39	5°25	16° 3	6°56	6°14	28°12	n.a.	S 20
S 21	13 38 7	25°48'25	0♐22	9°27	11°22	29°20	3°57	11°21	23°42	5°27	16° 1	6°53	6°10	28°19	n.a.	S 21
M22	13 42 3	26°45'57	13°43	11°18	12°27	0♒ 1	3°55	11°28	23°46	5°29	15°59	6°50	6° 7	28°25	n.a.	M22
T 23	13 46 0	27°43'28	26°41	13°12	13°32	0°41	3°53	11°36	23°49	5°30	15°58	6°48	6° 4	28°32	n.a.	T 23
W24	13 49 57	28°40'58	9♑18	15° 7	14°37	1°21	3°51	11°44	23°52	5°32	15°56	6°46	6° 1	28°39	n.a.	W24
T 25	13 53 53	29°38'27	21°36	17° 5	15°43	2° 1	3°49	11°52	23°56	5°34	15°55	6°45	5°58	28°45	n.a.	T 25
F 26	13 57 50	0♉35'55	3♒40	19° 4	16°48	2°41	3°47	11°59	23°59	5°36	15°53	6°D44	5°55	28°52	n.a.	F 26
S 27	14 1 46	1°33'22	15°35	21° 5	17°54	3°21	3°45	12° 7	24° 2	5°38	15°51	6°45	5°51	28°59	n.a.	S 27
S 28	14 5 43	2°30'48	27°25	23° 9	19° 0	4° 0	3°44	12°15	24° 6	5°40	15°50	6°46	5°48	29° 5	n.a.	S 28
M29	14 9 39	3°28'13	9♓15	25°14	20° 6	4°40	3°43	12°23	24° 9	5°42	15°48	6°48	5°45	29°12	n.a.	M29
T 30	14 13 36	4♉25'37	21♓ 9	27♈20	21♓13	5♒19	3♍42	12♉31	24♉12	5♊44	15♎47	6♎50	5♎42	29♒19	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n38	8s21	3n 7	10s20	2s33	14s37	0n14	23s53	1s 6	11n14	1n42	12n53	1s51	18n34	0s 6	20n 7	1s16	8n17	16n 8	2s48	2s54	9s47		n.a.
T 2	3 1	4 49	2 10	9 58	2 37	14 23	0 8	23 49	1 8	11 16	1 41	12 55	1 50	18 35	0 6	20 8	1 16	8 18	16 8	2 48	2 53	9 45		n.a.
W 3	3 24	1 4	1 7	9 34	2 40	14 8	0 2	23 46	1 9	11 18	1 41	12 57	1 50	18 35	0 6	20 8	1 16	8 18	16 8	2 48	2 52	9 44		n.a.
T 4	3 47	2n46	0 1	9 9	2 43	13 53	0s 3	23 42	1 11	11 20	1 41	13 0	1 50	18 36	0 6	20 8	1 16	8 19	16 8	2 48	2 50	9 42		n.a.
F 5	4 10	6 32	1s 7	8 41	2 45	13 38	0 8	23 38	1 13	11 21	1 41	13 2	1 50	18 37	0 6	20 9	1 16	8 20	16 8	2 48	2 49	9 40		n.a.
S 6	4 33	10 5	2 12	8 12	2 46	13 22	0 13	23 33	1 14	11 23	1 41	13 5	1 50	18 38	0 6	20 9	1 16	8 20	16 8	2 48	2 48	9 39		n.a.
S 7	4 56	13 13	3 12	7 41	2 47	13 6	0 19	23 29	1 16	11 25	1 41	13 7	1 50	18 38	0 6	20 9	1 16	8 21	16 8	2 48	2 47	9 37		n.a.
M 8	5 19	15 46	4 4	7 9	2 47	12 49	0 24	23 25	1 18	11 26	1 40	13 10	1 49	18 39	0 6	20 10	1 16	8 22	16 8	2 48	2 45	9 35		n.a.
T 9	5 41	17 34	4 43	6 35	2 46	12 32	0 28	23 20	1 19	11 28	1 40	13 12	1 49	18 40	0 6	20 10	1 16	8 22	16 8	2 47	2 44	9 34		n.a.
W10	6 4	18 25	5 8	6 0	2 45	12 14	0 33	23 15	1 21	11 29	1 40	13 15	1 49	18 41	0 6	20 10	1 16	8 23	16 8	2 47	2 43	9 32		n.a.
T 11	6 27	18 15	5 17	5 23	2 43	11 56	0 38	23 10	1 23	11 31	1 40	13 17	1 49	18 41	0 6	20 11	1 15	8 23	16 8	2 47	2 42	9 31		n.a.
F 12	6 49	16 59	5 8	4 45	2 41	11 38	0 42	23 4	1 24	11 32	1 40	13 20	1 49	18 42	0 6	20 11	1 15	8 24	16 8	2 47	2 40	9 29		n.a.
S 13	7 11	14 40	4 39	4 5	2 38	11 19	0 47	22 59	1 26	11 33	1 39	13 22	1 49	18 43	0 6	20 11	1 15	8 25	16 8	2 47	2 39	9 27		n.a.
S 14	7 33	11 25	3 53	3 24	2 34	10 59	0 51	22 53	1 28	11 34	1 39	13 25	1 49	18 44	0 6	20 12	1 15	8 25	16 8	2 47	2 38	9 26		n.a.
M15	7 56	7 25	2 52	2 41	2 30	10 40	0 55	22 48	1 29	11 36	1 39	13 27	1 49	18 45	0 6	20 12	1 15	8 26	16 8	2 48	2 36	9 24		n.a.
T 16	8 18	2 57	1 39	1 57	2 26	10 20	0 59	22 42	1 31	11 37	1 39	13 30	1 48	18 45	0 6	20 12	1 15	8 26	16 8	2 48	2 35	9 22		n.a.
W17	8 39	1s43	0 19	1 12	2 21	9 59	1 3	22 35	1 33	11 38	1 38	13 32	1 48	18 46	0 6	20 13	1 15	8 27	16 7	2 48	2 34	9 21		n.a.
T 18	9 1	6 15	1n 1	0 25	2 15	9 39	1 7	22 29	1 35	11 39	1 38	13 35	1 48	18 47	0 6	20 13	1 15	8 27	16 7	2 48	2 33	9 19		n.a.
F 19	9 23	10 21	2 17	0n23	2 9	9 18	1 10	22 23	1 36	11 40	1 38	13 37	1 48	18 48	0 6	20 13	1 15	8 28	16 7	2 48	2 31	9 17		n.a.
S 20	9 44	13 47	3 22	1 12	2 2	8 56	1 14	22 16	1 38	11 40	1 38	13 40	1 48	18 49	0 6	20 14	1 15	8 28	16 7	2 47	2 30	9 16		n.a.
S 21	10 5	16 20	4 14	2 2	1 55	8 34	1 17	22 9	1 40	11 41	1 38	13 42	1 48	18 49	0 6	20 14	1 15	8 29	16 7	2 46	2 29	9 14		n.a.
M22	10 26	17 55	4 50	2 53	1 47	8 12	1 21	22 2	1 42	11 42	1 37	13 45	1 48	18 50	0 6	20 14	1 15	8 29	16 7	2 45	2 28	9 12		n.a.
T 23	10 47	18 30	5 10	3 45	1 39	7 50	1 24	21 55	1 43	11 42	1 37	13 47	1 48	18 51	0 6	20 15	1 15	8 30	16 7	2 44	2 26	9 11		n.a.
W24	11 8	18 9	5 15	4 38	1 30	7 27	1 27	21 48	1 45	11 43	1 37	13 50	1 48	18 52	0 6	20 15	1 15	8 30	16 6	2 43	2 25	9 9		n.a.
T 25	11 29	16 57	5 5	5 32	1 21	7 4	1 30	21 41	1 47	11 43	1 37	13 52	1 47	18 53	0 6	20 15	1 15	8 31	16 6	2 42	2 24	9 7		n.a.
F 26	11 49	15 0	4 41	6 27	1 12	6 41	1 33	21 33	1 49	11 44	1 36	13 55	1 47	18 54	0 6	20 16	1 15	8 31	16 6	2 42	2 22	9 6		n.a.
S 27	12 9	12 26	4 6	7 22	1 2	6 18	1 35	21 26	1 51	11 44	1 36	13 57	1 47	18 54	0 6	20 16	1 15	8 32	16 6	2 43	2 21	9 4		n.a.
S 28	12 29	9 23	3 20	8 18	0 52	5 54	1 38	21 18	1 53	11 44	1 36	14 0	1 47	18 55	0 6	20 16	1 15	8 32	16 6	2 43	2 20	9 2		n.a.
M29	12 49	5 57	2 26	9 14	0 42	5 30	1 40	21 10	1 54	11 45	1 36	14 2	1 47	18 56	0 6	20 17	1 15	8 32	16 6	2 44	2 19	9 1		n.a.
T 30	13n 9	2s15	1n25	10n10	0s31	5s 6	1s43	21s 2	1s56	11n45	1n35	14n 5	1s47	18n57	0s 6	20n17	1s15	8n33	16n 5	2s44	2s17	8s59		n.a.

Julian Day Number = 1634583.5, Delta T = 03h39m55s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'08, Lahiri = - 7°14'07 Julian Calendar 1 Apr. 238 BCE == Greg. Calendar 28 March 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

MAY 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 17 32	5♉23'01	3♈12	29♈28	22♓19	5♒59	3°R41	12♉38	24♉16	5♊46	15°R45	6°R51	5♎39	29♒26	n.a.	W 1
T 2	14 21 29	6°20'23	15°27	1♉37	23°26	6°38	3♍40	12°46	24°19	5°48	15♎43	6♎50	5°36	29°32	n.a.	T 2
F 3	14 25 26	7°17'45	27°55	3°47	24°32	7°18	3°40	12°54	24°23	5°50	15°42	6°49	5°32	29°39	n.a.	F 3
S 4	14 29 22	8°15'06	10♉39	5°58	25°39	7°57	3°40	13° 2	24°26	5°52	15°40	6°45	5°29	29°46	n.a.	S 4
S 5	14 33 19	9°12'26	23°38	8°10	26°46	8°36	3°D39	13°10	24°29	5°54	15°39	6°41	5°26	29°52	n.a.	S 5
M 6	14 37 15	10° 9'45	6♊53	10°21	27°53	9°15	3°39	13°18	24°33	5°56	15°37	6°36	5°23	29°59	n.a.	M 6
T 7	14 41 12	11° 7'03	20°21	12°33	29° 0	9°53	3°40	13°26	24°36	5°58	15°36	6°31	5°20	0♓ 6	n.a.	T 7
W 8	14 45 8	12° 4'20	4♋ 2	14°45	0♈ 8	10°32	3°40	13°34	24°40	6° 0	15°34	6°26	5°16	0°12	n.a.	W 8
T 9	14 49 5	13° 1'37	17°53	16°56	1°15	11°11	3°41	13°42	24°43	6° 2	15°33	6°22	5°13	0°19	n.a.	T 9
F 10	14 53 1	13°58'52	1♌53	19° 6	2°23	11°49	3°42	13°49	24°47	6° 4	15°32	6°20	5°10	0°26	n.a.	F 10
S 11	14 56 58	14°56'06	15°59	21°15	3°30	12°27	3°43	13°57	24°50	6° 6	15°30	6°D19	5° 7	0°32	n.a.	S 11
S 12	15 0 55	15°53'19	0♍11	23°23	4°38	13° 6	3°44	14° 5	24°54	6° 8	15°29	6°20	5° 4	0°39	n.a.	S 12
M13	15 4 51	16°50'31	14°27	25°30	5°46	13°44	3°45	14°13	24°58	6°10	15°27	6°21	5° 1	0°46	n.a.	M13
T 14	15 8 48	17°47'42	28°44	27°34	6°54	14°22	3°47	14°21	25° 1	6°13	15°26	6°22	4°57	0°52	n.a.	T 14
W15	15 12 44	18°44'52	12♎59	29°38	8° 2	14°59	3°48	14°29	25° 5	6°15	15°25	6°R22	4°54	0°59	n.a.	W15
T 16	15 16 41	19°42'01	27° 9	1♊39	9°10	15°37	3°50	14°37	25° 8	6°17	15°23	6°21	4°51	1° 6	n.a.	T 16
F 17	15 20 37	20°39'10	11♏11	3°38	10°18	16°14	3°52	14°45	25°12	6°19	15°22	6°17	4°48	1°12	n.a.	F 17
S 18	15 24 34	21°36'19	25° 0	5°35	11°27	16°52	3°54	14°52	25°15	6°21	15°21	6°11	4°45	1°19	n.a.	S 18
S 19	15 28 30	22°33'27	8♐32	7°30	12°35	17°29	3°57	15° 0	25°19	6°23	15°20	6° 4	4°42	1°26	n.a.	S 19
M20	15 32 27	23°30'34	21°46	9°23	13°44	18° 6	3°59	15° 8	25°22	6°26	15°18	5°56	4°38	1°32	n.a.	M20
T 21	15 36 24	24°27'42	4♑40	11°14	14°53	18°43	4° 2	15°16	25°26	6°28	15°17	5°49	4°35	1°39	n.a.	T 21
W22	15 40 20	25°24'49	17°15	13° 2	16° 1	19°20	4° 5	15°24	25°30	6°30	15°16	5°42	4°32	1°46	n.a.	W22
T 23	15 44 17	26°21'56	29°33	14°48	17°10	19°56	4° 8	15°32	25°33	6°32	15°15	5°37	4°29	1°52	n.a.	T 23
F 24	15 48 13	27°19'03	11♒38	16°32	18°19	20°32	4°11	15°39	25°37	6°34	15°14	5°33	4°26	1°59	n.a.	F 24
S 25	15 52 10	28°16'10	23°33	18°13	19°28	21° 9	4°15	15°47	25°40	6°37	15°12	5°D32	4°22	2° 6	n.a.	S 25
S 26	15 56 6	29°13'17	5♓23	19°52	20°37	21°45	4°18	15°55	25°44	6°39	15°11	5°32	4°19	2°12	n.a.	S 26
M27	16 0 3	0♊10'24	17°13	21°29	21°47	22°20	4°22	16° 3	25°47	6°41	15°10	5°33	4°16	2°19	n.a.	M27
T 28	16 3 59	1° 7'31	29°10	23° 4	22°56	22°56	4°26	16°10	25°51	6°43	15° 9	5°34	4°13	2°26	n.a.	T 28
W29	16 7 56	2° 4'38	11♈17	24°36	24° 5	23°31	4°30	16°18	25°54	6°45	15° 8	5°R34	4°10	2°32	n.a.	W29
T 30	16 11 53	3° 1'45	23°39	26° 6	25°15	24° 7	4°34	16°26	25°58	6°48	15° 7	5°32	4° 7	2°39	n.a.	T 30
F 31	16 15 49	3♊58'53	6♉19	27♊34	26♈24	24♒42	4♍38	16♉34	26♉ 1	6♊50	15♎ 6	5♎28	4♎ 3	2♓46	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	13n28	1n36	0n20	11n 6	0s21	4s41	1s45	20s54	1s58	11n45	1n35	14n 7	1s47	18n58	0s 6	20n18	1s15	8n33	16n 5	2s45	2s16	8s57			n.a.
T 2	13 47	5 26	0s47	12 1	0 10	4 17	1 47	20 46	2 0	11 45	1 35	14 10	1 47	18 59	0 6	20 18	1 15	8 34	16 5	2 45	2 15	8 56			n.a.
F 3	14 7	9 6	1 53	12 56	0n 1	3 52	1 49	20 38	2 2	11 45	1 35	14 12	1 47	19 0	0 6	20 18	1 15	8 34	16 5	2 44	2 14	8 54			n.a.
S 4	14 25	12 26	2 55	13 51	0 11	3 27	1 51	20 29	2 4	11 45	1 34	14 14	1 47	19 0	0 6	20 19	1 15	8 34	16 4	2 43	2 12	8 52			n.a.
S 5	14 44	15 13	3 48	14 44	0 22	3 1	1 53	20 21	2 6	11 44	1 34	14 17	1 47	19 1	0 6	20 19	1 15	8 35	16 4	2 41	2 11	8 51			n.a.
M 6	15 2	17 16	4 31	15 36	0 32	2 36	1 55	20 12	2 8	11 44	1 34	14 19	1 47	19 2	0 6	20 20	1 15	8 35	16 4	2 39	2 10	8 49			n.a.
T 7	15 20	18 24	4 59	16 27	0 42	2 11	1 56	20 4	2 10	11 44	1 34	14 22	1 46	19 3	0 6	20 20	1 15	8 35	16 3	2 37	2 8	8 47			n.a.
W 8	15 38	18 29	5 11	17 16	0 51	1 45	1 58	19 55	2 12	11 43	1 33	14 24	1 46	19 4	0 6	20 20	1 15	8 35	16 3	2 35	2 7	8 46			n.a.
T 9	15 56	17 28	5 5	18 3	1 1	1 19	1 59	19 46	2 14	11 43	1 33	14 27	1 46	19 5	0 6	20 21	1 15	8 36	16 3	2 33	2 6	8 44			n.a.
F 10	16 13	15 24	4 41	18 49	1 9	0 53	2 1	19 37	2 16	11 42	1 33	14 29	1 46	19 6	0 6	20 21	1 15	8 36	16 3	2 33	2 5	8 42			n.a.
S 11	16 30	12 25	4 0	19 32	1 18	0 27	2 2	19 28	2 18	11 42	1 32	14 32	1 46	19 6	0 6	20 21	1 14	8 36	16 2	2 32	2 3	8 41			n.a.
S 12	16 47	8 40	3 4	20 13	1 25	0 1	2 3	19 19	2 20	11 41	1 32	14 34	1 46	19 7	0 6	20 22	1 14	8 36	16 2	2 33	2 2	8 39			n.a.
M13	17 4	4 24	1 56	20 51	1 32	0n26	2 4	19 9	2 22	11 40	1 32	14 36	1 46	19 8	0 6	20 22	1 14	8 37	16 2	2 33	2 1	8 37			n.a.
T 14	17 20	0s 7	0 41	21 27	1 39	0 52	2 5	19 0	2 24	11 40	1 32	14 39	1 46	19 9	0 6	20 23	1 14	8 37	16 1	2 34	2 0	8 36			n.a.
W15	17 36	4 38	0n36	22 0	1 44	1 18	2 5	18 51	2 26	11 39	1 31	14 41	1 46	19 10	0 6	20 23	1 14	8 37	16 1	2 34	1 58	8 34			n.a.
T 16	17 52	8 52	1 50	22 31	1 49	1 45	2 6	18 41	2 28	11 38	1 31	14 44	1 46	19 11	0 6	20 23	1 14	8 37	16 1	2 33	1 57	8 32			n.a.
F 17	18 8	12 33	2 57	22 59	1 54	2 11	2 7	18 32	2 30	11 37	1 31	14 46	1 46	19 12	0 6	20 24	1 14	8 37	16 0	2 31	1 56	8 31			n.a.
S 18	18 23	15 29	3 52	23 25	1 57	2 38	2 7	18 22	2 32	11 36	1 31	14 48	1 46	19 13	0 6	20 24	1 14	8 37	16 0	2 29	1 54	8 29			n.a.
S 19	18 38	17 29	4 33	23 47	2 0	3 5	2 7	18 13	2 34	11 35	1 30	14 51	1 46	19 13	0 6	20 25	1 14	8 38	15 59	2 26	1 53	8 27			n.a.
M20	18 52	18 30	4 58	24 8	2 2	3 31	2 8	18 3	2 36	11 34	1 30	14 53	1 46	19 14	0 6	20 25	1 14	8 38	15 59	2 23	1 52	8 26			n.a.
T 21	19 6	18 31	5 8	24 26	2 4	3 58	2 8	17 53	2 38	11 32	1 30	14 55	1 46	19 15	0 6	20 25	1 14	8 38	15 59	2 20	1 51	8 24			n.a.
W22	19 20	17 36	5 2	24 41	2 4	4 25	2 8	17 44	2 40	11 31	1 30	14 58	1 46	19 16	0 6	20 26	1 14	8 38	15 58	2 17	1 49	8 22			n.a.
T 23	19 34	15 54	4 42	24 54	2 4	4 51	2 8	17 34	2 42	11 30	1 29	15 0	1 46	19 17	0 6	20 26	1 14	8 38	15 58	2 15	1 48	8 20			n.a.
F 24	19 47	13 31	4 9	25 5	2 4	5 18	2 8	17 24	2 44	11 28	1 29	15 2	1 46	19 18	0 6	20 27	1 14	8 38	15 57	2 14	1 47	8 19			n.a.
S 25	20 1	10 35	3 26	25 14	2 3	5 45	2 7	17 14	2 46	11 27	1 29	15 4	1 46	19 19	0 6	20 27	1 14	8 38	15 57	2 13	1 45	8 17			n.a.
S 26	20 13	7 15	2 35	25 20	2 1	6 11	2 7	17 4	2 48	11 25	1 29	15 7	1 46	19 20	0 6	20 27	1 14	8 38	15 57	2 13	1 44	8 15			n.a.
M27	20 26	3 37	1 37	25 24	1 58	6 38	2 7	16 55	2 51	11 24	1 28	15 9	1 46	19 20	0 6	20 28	1 14	8 38	15 56	2 14	1 43	8 14			n.a.
T 28	20 38	0n11	0 34	25 27	1 55	7 4	2 6	16 45	2 53	11 22	1 28	15 11	1 46	19 21	0 6	20 28	1 14	8 38	15 56	2 14	1 42	8 12			n.a.
W29	20 49	4 3	0s31	25 27	1 51	7 30	2 6	16 35	2 55	11 20	1 28	15 14	1 46	19 22	0 6	20 29	1 14	8 38	15 55	2 14	1 40	8 10			n.a.
T 30	21 1	7 49	1 36	25 26	1 46	7 57	2 5	16 25	2 57	11 18	1 28	15 16	1 46	19 23	0 6	20 29	1 14	8 38	15 55	2 13	1 39	8 9			n.a.
F 31	21n12	11n19	2s37	25n23	1n41	8n23	2s 4	16s15	2s59	11n16	1n27	15n18	1s46	19n24	0s 6	20n29	1s14	8n38	15n54	2s12	1s38	8s 7			n.a.

Julian Day Number = 1634613.5, Delta T = 03h39m54s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'04, Lahiri = - 7°14'03 Julian Calendar 1 May 238 BCE == Greg. Calendar 27 Apr. 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

JUNE 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 19 46	4♊56'00	19♉19	28♊59	27♈34	25♒16	4♍43	16♉41	26♉ 5	6♊52	15°R 5	5°R22	4♎ 0	2♓52	n.a.	S 1
S 2	16 23 42	5°53'08	2♊39	0♋21	28°43	25°51	4°47	16°49	26° 9	6°54	15♎ 5	5♎14	3°57	2°59	n.a.	S 2
M 3	16 27 39	6°50'16	16°18	1°42	29°53	26°25	4°52	16°56	26°12	6°57	15° 4	5° 4	3°54	3° 6	n.a.	M 3
T 4	16 31 35	7°47'23	0♋13	2°59	1♉ 3	26°59	4°57	17° 4	26°16	6°59	15° 3	4°54	3°51	3°12	n.a.	T 4
W 5	16 35 32	8°44'31	14°19	4°15	2°13	27°33	5° 2	17°12	26°19	7° 1	15° 2	4°45	3°48	3°19	n.a.	W 5
T 6	16 39 29	9°41'39	28°31	5°27	3°23	28° 6	5° 8	17°19	26°23	7° 3	15° 1	4°37	3°44	3°26	n.a.	T 6
F 7	16 43 25	10°38'47	12♌47	6°37	4°33	28°40	5°13	17°27	26°26	7° 5	15° 0	4°32	3°41	3°32	n.a.	F 7
S 8	16 47 22	11°35'54	27° 1	7°44	5°43	29°13	5°19	17°34	26°30	7° 8	15° 0	4°30	3°38	3°39	n.a.	S 8
S 9	16 51 18	12°33'02	11♍11	8°49	6°53	29°45	5°24	17°42	26°33	7°10	14°59	4°D29	3°35	3°46	n.a.	S 9
M10	16 55 15	13°30'09	25°17	9°50	8° 4	0♓18	5°30	17°49	26°36	7°12	14°58	4°29	3°32	3°52	n.a.	M10
T 11	16 59 11	14°27'17	9♎17	10°48	9°14	0°50	5°36	17°56	26°40	7°14	14°58	4°R29	3°28	3°59	n.a.	T 11
W12	17 3 8	15°24'24	23°10	11°44	10°24	1°22	5°43	18° 4	26°43	7°17	14°57	4°28	3°25	4° 6	n.a.	W12
T 13	17 7 4	16°21'32	6♏56	12°35	11°35	1°53	5°49	18°11	26°47	7°19	14°57	4°24	3°22	4°12	n.a.	T 13
F 14	17 11 1	17°18'40	20°32	13°24	12°45	2°25	5°55	18°18	26°50	7°21	14°56	4°18	3°19	4°19	n.a.	F 14
S 15	17 14 58	18°15'48	3♐58	14° 9	13°56	2°56	6° 2	18°25	26°54	7°23	14°56	4° 9	3°16	4°26	n.a.	S 15
S 16	17 18 54	19°12'57	17°11	14°51	15° 6	3°26	6° 9	18°33	26°57	7°25	14°55	3°58	3°13	4°32	n.a.	S 16
M17	17 22 51	20°10'06	0♑10	15°28	16°17	3°57	6°15	18°40	27° 0	7°28	14°55	3°46	3° 9	4°39	n.a.	M17
T 18	17 26 47	21° 7'16	12°53	16° 2	17°28	4°27	6°22	18°47	27° 4	7°30	14°54	3°34	3° 6	4°46	n.a.	T 18
W19	17 30 44	22° 4'26	25°21	16°32	18°39	4°56	6°29	18°54	27° 7	7°32	14°54	3°23	3° 3	4°52	n.a.	W19
T 20	17 34 40	23° 1'38	7♒35	16°57	19°50	5°25	6°37	19° 1	27°10	7°34	14°53	3°14	3° 0	4°59	n.a.	T 20
F 21	17 38 37	23°58'50	19°36	17°18	21° 1	5°54	6°44	19° 8	27°14	7°36	14°53	3° 7	2°57	5° 6	n.a.	F 21
S 22	17 42 33	24°56'03	1♓29	17°34	22°12	6°23	6°52	19°15	27°17	7°39	14°53	3° 3	2°53	5°12	n.a.	S 22
S 23	17 46 30	25°53'16	13°18	17°46	23°23	6°51	6°59	19°22	27°20	7°41	14°53	3° 1	2°50	5°19	n.a.	S 23
M24	17 50 27	26°50'31	25° 8	17°53	24°34	7°19	7° 7	19°29	27°23	7°43	14°52	3° 1	2°47	5°26	n.a.	M24
T 25	17 54 23	27°47'47	7♈ 4	17°R55	25°45	7°46	7°15	19°36	27°26	7°45	14°52	3° 1	2°44	5°32	n.a.	T 25
W26	17 58 20	28°45'04	19°12	17°52	26°57	8°13	7°23	19°42	27°30	7°47	14°52	3° 0	2°41	5°39	n.a.	W26
T 27	18 2 16	29°42'22	1♉37	17°44	28° 8	8°40	7°31	19°49	27°33	7°49	14°52	2°58	2°38	5°46	n.a.	T 27
F 28	18 6 13	0♋39'41	14°23	17°31	29°19	9° 6	7°39	19°56	27°36	7°51	14°52	2°53	2°34	5°52	n.a.	F 28
S 29	18 10 9	1°37'01	27°33	17°12	0♊31	9°32	7°47	20° 2	27°39	7°53	14°52	2°46	2°31	5°59	n.a.	S 29
S 30	18 14 6	2♋34'23	11♊ 8	16♋50	1♊42	9♓57	7♍56	20♉ 9	27♉42	7♊55	14°D52	2♎37	2♎28	6♓ 6	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n22	14n22	3s32	25n18	1n35	8n49	2s 3	16s 5	3s 1	11n15	1n27	15n20	1s46	19n25	0s 6	20n30	1s14	8n38	15n54	2s 9	1s37	8s 5		n.a.
S 2	21 33	16 44	4 17	25 12	1 29	9 15	2 2	15 55	3 3	11 13	1 27	15 22	1 46	19 26	0 6	20 30	1 14	8 38	15 53	2 6	1 35	8 3		n.a.
M 3	21 42	18 14	4 48	25 5	1 22	9 40	2 1	15 46	3 6	11 11	1 27	15 24	1 46	19 26	0 6	20 30	1 14	8 38	15 53	2 2	1 34	8 2		n.a.
T 4	21 52	18 41	5 3	24 56	1 15	10 6	2 0	15 36	3 8	11 9	1 26	15 27	1 46	19 27	0 6	20 31	1 14	8 37	15 52	1 58	1 33	8 0		n.a.
W 5	22 1	17 59	5 0	24 46	1 7	10 31	1 59	15 26	3 10	11 6	1 26	15 29	1 46	19 28	0 6	20 31	1 14	8 37	15 52	1 54	1 31	7 58		n.a.
T 6	22 10	16 10	4 38	24 35	0 58	10 56	1 58	15 16	3 12	11 4	1 26	15 31	1 46	19 29	0 6	20 32	1 14	8 37	15 51	1 52	1 30	7 57		n.a.
F 7	22 18	13 21	3 59	24 22	0 49	11 21	1 57	15 6	3 14	11 2	1 26	15 33	1 46	19 30	0 6	20 32	1 14	8 37	15 51	1 49	1 29	7 55		n.a.
S 8	22 26	9 45	3 6	24 9	0 40	11 46	1 55	14 57	3 17	11 0	1 25	15 35	1 46	19 31	0 6	20 32	1 14	8 37	15 50	1 48	1 28	7 53		n.a.
S 9	22 34	5 36	2 1	23 55	0 30	12 11	1 54	14 47	3 19	10 57	1 25	15 37	1 46	19 31	0 6	20 33	1 14	8 37	15 50	1 48	1 26	7 52		n.a.
M10	22 41	1 9	0 49	23 40	0 19	12 35	1 52	14 38	3 21	10 55	1 25	15 39	1 46	19 32	0 6	20 33	1 14	8 36	15 49	1 48	1 25	7 50		n.a.
T 11	22 48	3s20	0n25	23 25	0 8	12 59	1 51	14 28	3 23	10 52	1 25	15 41	1 46	19 33	0 6	20 33	1 14	8 36	15 49	1 48	1 24	7 48		n.a.
W12	22 55	7 36	1 38	23 9	0s 3	13 23	1 49	14 18	3 25	10 50	1 24	15 43	1 46	19 34	0 6	20 34	1 14	8 36	15 48	1 48	1 23	7 46		n.a.
T 13	23 1	11 25	2 43	22 52	0 15	13 47	1 47	14 9	3 28	10 47	1 24	15 45	1 46	19 35	0 6	20 34	1 14	8 36	15 48	1 46	1 21	7 45		n.a.
F 14	23 6	14 35	3 39	22 36	0 27	14 10	1 46	14 0	3 30	10 45	1 24	15 47	1 46	19 35	0 5	20 35	1 14	8 35	15 47	1 44	1 20	7 43		n.a.
S 15	23 12	16 55	4 21	22 18	0 39	14 33	1 44	13 50	3 32	10 42	1 24	15 49	1 46	19 36	0 5	20 35	1 14	8 35	15 47	1 40	1 19	7 41		n.a.
S 16	23 17	18 18	4 49	22 1	0 52	14 56	1 42	13 41	3 34	10 39	1 24	15 51	1 46	19 37	0 5	20 35	1 14	8 35	15 46	1 36	1 17	7 40		n.a.
M17	23 21	18 43	5 1	21 44	1 5	15 19	1 40	13 32	3 37	10 37	1 23	15 53	1 46	19 38	0 5	20 36	1 14	8 34	15 46	1 31	1 16	7 38		n.a.
T 18	23 25	18 9	4 57	21 26	1 19	15 41	1 38	13 23	3 39	10 34	1 23	15 55	1 46	19 39	0 5	20 36	1 14	8 34	15 45	1 26	1 15	7 36		n.a.
W19	23 29	16 44	4 40	21 9	1 33	16 2	1 36	13 14	3 41	10 31	1 23	15 57	1 46	19 39	0 5	20 36	1 14	8 34	15 45	1 22	1 14	7 34		n.a.
T 20	23 32	14 34	4 10	20 52	1 46	16 24	1 34	13 5	3 43	10 28	1 23	15 59	1 46	19 40	0 5	20 37	1 14	8 33	15 44	1 18	1 12	7 33		n.a.
F 21	23 35	11 49	3 29	20 36	2 0	16 45	1 32	12 56	3 46	10 25	1 22	16 1	1 46	19 41	0 5	20 37	1 14	8 33	15 43	1 15	1 11	7 31		n.a.
S 22	23 37	8 36	2 39	20 20	2 15	17 6	1 29	12 48	3 48	10 22	1 22	16 3	1 46	19 42	0 5	20 37	1 14	8 32	15 43	1 14	1 10	7 29		n.a.
S 23	23 39	5 4	1 43	20 4	2 29	17 26	1 27	12 39	3 50	10 19	1 22	16 5	1 46	19 42	0 5	20 38	1 14	8 32	15 42	1 13	1 8	7 27		n.a.
M24	23 41	1 19	0 42	19 50	2 43	17 46	1 25	12 31	3 52	10 16	1 22	16 6	1 46	19 43	0 5	20 38	1 14	8 32	15 42	1 13	1 7	7 26		n.a.
T 25	23 42	2n31	0s22	19 36	2 56	18 5	1 23	12 22	3 55	10 13	1 22	16 8	1 46	19 44	0 5	20 39	1 14	8 31	15 41	1 13	1 6	7 24		n.a.
W26	23 43	6 18	1 25	19 23	3 10	18 24	1 20	12 14	3 57	10 9	1 21	16 10	1 46	19 45	0 5	20 39	1 14	8 31	15 41	1 13	1 5	7 22		n.a.
T 27	23 43	9 54	2 25	19 11	3 23	18 43	1 18	12 6	3 59	10 6	1 21	16 12	1 46	19 45	0 5	20 39	1 14	8 30	15 40	1 12	1 3	7 21		n.a.
F 28	23 43	13 9	3 20	19 0	3 36	19 1	1 15	11 58	4 2	10 3	1 21	16 14	1 46	19 46	0 5	20 40	1 14	8 30	15 40	1 10	1 2	7 19		n.a.
S 29	23 43	15 51	4 6	18 50	3 48	19 19	1 13	11 51	4 4	10 0	1 21	16 15	1 46	19 47	0 5	20 40	1 14	8 29	15 39	1 7	1 1	7 17		n.a.
S 30	23n42	17n45	4s40	18n42	3s59	19n36	1s10	11s43	4s 6	9n56	1n21	16n17	1s46	19n48	0s 5	20n40	1s14	8n29	15n38	1s 3	1s 0	7s15		n.a.

Julian Day Number = 1634644.5, Delta T = 03h39m53s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°21'00, Lahiri = - 7°13'59 Julian Calendar 1 June 238 BCE == Greg. Calendar 28 May 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

JULY 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 18 2	3♋31'45	25♊ 7	16°R22	2♊54	10♓22	8♍ 4	20♉15	27♉45	7♊57	14♎52	2°R26	2♎25	6♓12	n.a.	M 1
T 2	18 21 59	4°29'09	9♋25	15♋50	4° 6	10°46	8°13	20°22	27°48	8° 0	14°52	2♎14	2°22	6°19	n.a.	T 2
W 3	18 25 56	5°26'33	23°56	15°14	5°17	11° 9	8°22	20°28	27°51	8° 2	14°52	2° 3	2°19	6°26	n.a.	W 3
T 4	18 29 52	6°23'59	8♌34	14°34	6°29	11°33	8°31	20°35	27°54	8° 4	14°52	1°54	2°15	6°32	n.a.	T 4
F 5	18 33 49	7°21'25	23°11	13°52	7°41	11°55	8°40	20°41	27°57	8° 6	14°52	1°48	2°12	6°39	n.a.	F 5
S 6	18 37 45	8°18'52	7♍42	13° 7	8°53	12°18	8°49	20°47	28° 0	8° 8	14°52	1°44	2° 9	6°45	n.a.	S 6
S 7	18 41 42	9°16'20	22° 2	12°20	10° 5	12°39	8°58	20°53	28° 3	8°10	14°53	1°43	2° 6	6°52	n.a.	S 7
M 8	18 45 38	10°13'49	6♎ 9	11°33	11°17	13° 0	9° 7	20°59	28° 6	8°12	14°53	1°42	2° 3	6°59	n.a.	M 8
T 9	18 49 35	11°11'19	20° 3	10°46	12°29	13°21	9°17	21° 5	28° 9	8°13	14°53	1°42	1°59	7° 5	n.a.	T 9
W10	18 53 31	12° 8'49	3♏43	10° 0	13°41	13°41	9°26	21°11	28°11	8°15	14°54	1°41	1°56	7°12	n.a.	W10
T 11	18 57 28	13° 6'21	17°11	9°15	14°53	14° 0	9°36	21°17	28°14	8°17	14°54	1°37	1°53	7°19	n.a.	T 11
F 12	19 1 25	14° 3'54	0♐27	8°34	16° 6	14°19	9°46	21°23	28°17	8°19	14°54	1°31	1°50	7°25	n.a.	F 12
S 13	19 5 21	15° 1'27	13°30	7°56	17°18	14°37	9°55	21°29	28°20	8°21	14°55	1°22	1°47	7°32	n.a.	S 13
S 14	19 9 18	15°59'03	26°23	7°22	18°30	14°55	10° 5	21°35	28°22	8°23	14°55	1°11	1°44	7°39	n.a.	S 14
M15	19 13 14	16°56'39	9♑ 3	6°54	19°43	15°12	10°15	21°40	28°25	8°25	14°56	0°59	1°40	7°45	n.a.	M15
T 16	19 17 11	17°54'17	21°31	6°31	20°55	15°28	10°25	21°46	28°28	8°27	14°56	0°46	1°37	7°52	n.a.	T 16
W17	19 21 7	18°51'56	3♒48	6°14	22° 8	15°44	10°36	21°51	28°30	8°28	14°57	0°35	1°34	7°59	n.a.	W17
T 18	19 25 4	19°49'36	15°53	6° 5	23°20	15°59	10°46	21°57	28°33	8°30	14°57	0°25	1°31	8° 5	n.a.	T 18
F 19	19 29 0	20°47'18	27°50	6°D 2	24°33	16°13	10°56	22° 2	28°35	8°32	14°58	0°18	1°28	8°12	n.a.	F 19
S 20	19 32 57	21°45'02	9♓40	6° 7	25°46	16°27	11° 7	22° 7	28°38	8°34	14°59	0°14	1°25	8°19	n.a.	S 20
S 21	19 36 54	22°42'48	21°27	6°19	26°58	16°40	11°17	22°12	28°40	8°35	14°59	0°12	1°21	8°25	n.a.	S 21
M22	19 40 50	23°40'35	3♈15	6°38	28°11	16°52	11°28	22°18	28°42	8°37	15° 0	0°D12	1°18	8°32	n.a.	M22
T 23	19 44 47	24°38'24	15°10	7° 6	29°24	17° 3	11°38	22°23	28°45	8°39	15° 1	0°12	1°15	8°39	n.a.	T 23
W24	19 48 43	25°36'15	27°17	7°41	0♋37	17°14	11°49	22°28	28°47	8°41	15° 2	0°R12	1°12	8°45	n.a.	W24
T 25	19 52 40	26°34'07	9♉41	8°24	1°50	17°24	12° 0	22°33	28°49	8°42	15° 2	0°11	1° 9	8°52	n.a.	T 25
F 26	19 56 36	27°32'02	22°26	9°13	3° 3	17°33	12°11	22°37	28°52	8°44	15° 3	0° 9	1° 5	8°59	n.a.	F 26
S 27	20 0 33	28°29'59	5♊38	10°10	4°16	17°41	12°22	22°42	28°54	8°45	15° 4	0° 4	1° 2	9° 5	n.a.	S 27
S 28	20 4 29	29°27'57	19°17	11°14	5°29	17°49	12°33	22°47	28°56	8°47	15° 5	29♍57	0°59	9°12	n.a.	S 28
M29	20 8 26	0♌25'58	3♋24	12°24	6°43	17°55	12°44	22°51	28°58	8°48	15° 6	29°48	0°56	9°19	n.a.	M29
T 30	20 12 23	1°24'00	17°55	13°41	7°56	18° 1	12°55	22°56	29° 0	8°50	15° 7	29°39	0°53	9°25	n.a.	T 30
W31	20 16 19	2♌22'05	2♌44	15♋ 3	9♋ 9	18♓ 6	13♍ 6	23♉ 0	29♉ 2	8♊52	15♎ 8	29♍30	0♎50	9♓32	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23n40	18n40	4s58	18n35	4s 9	19n53	1s 8	11s36	4s 8	9n53	1n20	16n19	1s46	19n48	0s 5	20n40	1s14	8n28	15n38	0s59	0s58	7s14			n.a.
T 2	23 39	18 25	4 58	18 30	4 18	20 9	1 5	11 28	4 11	9 49	1 20	16 20	1 46	19 49	0 5	20 41	1 14	8 28	15 37	0 54	0 57	7 12			n.a.
W 3	23 36	16 59	4 39	18 26	4 26	20 25	1 2	11 21	4 13	9 46	1 20	16 22	1 47	19 50	0 5	20 41	1 14	8 27	15 37	0 49	0 56	7 10			n.a.
T 4	23 34	14 26	4 2	18 24	4 33	20 40	1 0	11 14	4 15	9 42	1 20	16 24	1 47	19 50	0 5	20 41	1 14	8 26	15 36	0 46	0 54	7 8			n.a.
F 5	23 31	10 59	3 9	18 23	4 38	20 55	0 57	11 8	4 18	9 39	1 20	16 25	1 47	19 51	0 5	20 42	1 14	8 26	15 35	0 43	0 53	7 7			n.a.
S 6	23 27	6 52	2 3	18 24	4 41	21 9	0 54	11 1	4 20	9 35	1 19	16 27	1 47	19 52	0 5	20 42	1 14	8 25	15 35	0 42	0 52	7 5			n.a.
S 7	23 24	2 25	0 51	18 26	4 43	21 22	0 52	10 55	4 22	9 31	1 19	16 28	1 47	19 52	0 5	20 42	1 14	8 25	15 34	0 41	0 51	7 3			n.a.
M 8	23 19	2s 7	0n24	18 31	4 43	21 35	0 49	10 49	4 24	9 28	1 19	16 30	1 47	19 53	0 5	20 43	1 14	8 24	15 34	0 41	0 49	7 1			n.a.
T 9	23 15	6 27	1 36	18 36	4 41	21 48	0 46	10 43	4 27	9 24	1 19	16 31	1 47	19 54	0 5	20 43	1 14	8 23	15 33	0 41	0 48	7 0			n.a.
W10	23 10	10 23	2 41	18 43	4 38	22 0	0 43	10 37	4 29	9 20	1 19	16 33	1 47	19 54	0 5	20 43	1 14	8 23	15 33	0 41	0 47	6 58			n.a.
T 11	23 4	13 42	3 36	18 52	4 32	22 11	0 41	10 31	4 31	9 16	1 19	16 34	1 47	19 55	0 5	20 44	1 14	8 22	15 32	0 39	0 46	6 56			n.a.
F 12	22 58	16 16	4 19	19 2	4 25	22 21	0 38	10 26	4 33	9 12	1 18	16 36	1 47	19 56	0 5	20 44	1 14	8 21	15 31	0 37	0 44	6 55			n.a.
S 13	22 52	17 56	4 47	19 13	4 16	22 31	0 35	10 21	4 35	9 9	1 18	16 37	1 47	19 56	0 5	20 44	1 14	8 21	15 31	0 33	0 43	6 53			n.a.
S 14	22 45	18 40	5 0	19 25	4 6	22 41	0 32	10 16	4 38	9 5	1 18	16 39	1 47	19 57	0 5	20 44	1 14	8 20	15 30	0 29	0 42	6 51			n.a.
M15	22 38	18 27	4 58	19 39	3 54	22 50	0 29	10 11	4 40	9 1	1 18	16 40	1 47	19 57	0 5	20 45	1 14	8 19	15 30	0 24	0 40	6 49			n.a.
T 16	22 30	17 20	4 42	19 53	3 41	22 58	0 27	10 7	4 42	8 57	1 18	16 41	1 48	19 58	0 5	20 45	1 14	8 19	15 29	0 19	0 39	6 48			n.a.
W17	22 23	15 26	4 13	20 8	3 27	23 5	0 24	10 2	4 44	8 53	1 18	16 43	1 48	19 58	0 5	20 45	1 14	8 18	15 29	0 14	0 38	6 46			n.a.
T 18	22 14	12 53	3 33	20 23	3 12	23 12	0 21	9 58	4 46	8 48	1 17	16 44	1 48	19 59	0 5	20 46	1 14	8 17	15 28	0 10	0 37	6 44			n.a.
F 19	22 6	9 49	2 43	20 39	2 56	23 18	0 18	9 55	4 48	8 44	1 17	16 45	1 48	20 0	0 5	20 46	1 14	8 16	15 27	0 7	0 35	6 42			n.a.
S 20	21 56	6 23	1 47	20 55	2 40	23 24	0 15	9 51	4 50	8 40	1 17	16 47	1 48	20 0	0 5	20 46	1 14	8 15	15 27	0 6	0 34	6 41			n.a.
S 21	21 47	2 43	0 47	21 11	2 23	23 29	0 13	9 48	4 52	8 36	1 17	16 48	1 48	20 1	0 5	20 46	1 14	8 15	15 26	0 5	0 33	6 39			n.a.
M22	21 37	1n 4	0s16	21 27	2 6	23 33	0 10	9 45	4 54	8 32	1 17	16 49	1 48	20 1	0 5	20 47	1 14	8 14	15 26	0 5	0 31	6 37			n.a.
T 23	21 27	4 50	1 19	21 42	1 49	23 36	0 7	9 42	4 56	8 28	1 17	16 50	1 48	20 2	0 5	20 47	1 14	8 13	15 25	0 5	0 30	6 35			n.a.
W24	21 16	8 28	2 20	21 57	1 33	23 39	0 4	9 40	4 58	8 23	1 16	16 51	1 48	20 2	0 5	20 47	1 14	8 12	15 25	0 5	0 29	6 34			n.a.
T 25	21 5	11 48	3 15	22 11	1 16	23 41	0 2	9 38	5 0	8 19	1 16	16 53	1 48	20 3	0 5	20 47	1 14	8 11	15 24	0 5	0 28	6 32			n.a.
F 26	20 54	14 42	4 2	22 25	0 59	23 42	0n 1	9 36	5 2	8 15	1 16	16 54	1 49	20 3	0 5	20 47	1 14	8 11	15 23	0 3	0 26	6 30			n.a.
S 27	20 42	16 56	4 38	22 36	0 43	23 43	0 4	9 34	5 4	8 10	1 16	16 55	1 49	20 4	0 5	20 48	1 15	8 10	15 23	0 1	0 25	6 28			n.a.
S 28	20 30	18 18	5 0	22 47	0 28	23 43	0 7	9 33	5 6	8 6	1 16	16 56	1 49	20 4	0 5	20 48	1 15	8 9	15 22	0n 1	0 24	6 27			n.a.
M29	20 18	18 36	5 5	22 55	0 13	23 42	0 9	9 32	5 7	8 1	1 16	16 57	1 49	20 5	0 5	20 48	1 15	8 8	15 22	0 5	0 23	6 25			n.a.
T 30	20 5	17 43	4 50	23 2	0n 1	23 41	0 12	9 31	5 9	7 57	1 16	16 58	1 49	20 5	0 5	20 48	1 15	8 7	15 21	0 9	0 21	6 23			n.a.
W31	19n52	15n38	4s16	23n 6	0n15	23n39	0n15	9s31	5s11	7n52	1n16	16n59	1s49	20n 6	0s 5	20n49	1s15	8n 6	15n21	0n12	0s20	6s21			n.a.

Julian Day Number = 1634674.5, Delta T = 03h39m52s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'55, Lahiri = - 7°13'55 Julian Calendar 1 July 238 BCE == Greg. Calendar 27 June 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

AUGUST 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 20 16	3♌20'11	17♌43	16♋30	10♋22	18♓10	13♍18	23♉ 4	29♉ 4	8♊53	15♎ 9	29°R23	0♎46	9♓39	n.a.	T 1
F 2	20 24 12	4°18'18	2♍43	18° 2	11°36	18°13	13°29	23° 9	29° 6	8°54	15°10	29♍18	0°43	9°45	n.a.	F 2
S 3	20 28 9	5°16'27	17°34	19°38	12°49	18°16	13°41	23°13	29° 8	8°56	15°11	29°16	0°40	9°52	n.a.	S 3
S 4	20 32 5	6°14'38	2♎12	21°19	14° 3	18°17	13°52	23°17	29°10	8°57	15°13	29°D15	0°37	9°59	n.a.	S 4
M 5	20 36 2	7°12'50	16°30	23° 2	15°16	18°R18	14° 4	23°21	29°12	8°59	15°14	29°16	0°34	10° 5	n.a.	M 5
T 6	20 39 58	8°11'04	0♏29	24°48	16°30	18°18	14°15	23°25	29°13	9° 0	15°15	29°17	0°31	10°12	n.a.	T 6
W 7	20 43 55	9° 9'20	14° 7	26°37	17°44	18°17	14°27	23°28	29°15	9° 1	15°16	29°R17	0°27	10°19	n.a.	W 7
T 8	20 47 52	10° 7'37	27°27	28°28	18°57	18°15	14°39	23°32	29°17	9° 3	15°18	29°15	0°24	10°25	n.a.	T 8
F 9	20 51 48	11° 5'56	10♐30	0♌20	20°11	18°12	14°51	23°36	29°18	9° 4	15°19	29°12	0°21	10°32	n.a.	F 9
S 10	20 55 45	12° 4'16	23°18	2°13	21°25	18° 8	15° 3	23°39	29°20	9° 5	15°20	29° 6	0°18	10°38	n.a.	S 10
S 11	20 59 41	13° 2'39	5♑53	4° 7	22°39	18° 4	15°15	23°43	29°22	9° 6	15°22	28°59	0°15	10°45	n.a.	S 11
M12	21 3 38	14° 1'03	18°16	6° 1	23°53	17°59	15°27	23°46	29°23	9° 7	15°23	28°51	0°11	10°52	n.a.	M12
T 13	21 7 34	14°59'29	0♒30	7°56	25° 6	17°52	15°39	23°49	29°25	9° 9	15°24	28°43	0° 8	10°58	n.a.	T 13
W14	21 11 31	15°57'56	12°34	9°50	26°20	17°45	15°51	23°52	29°26	9°10	15°26	28°35	0° 5	11° 5	n.a.	W14
T 15	21 15 27	16°56'26	24°31	11°45	27°34	17°37	16° 3	23°55	29°27	9°11	15°27	28°29	0° 2	11°12	n.a.	T 15
F 16	21 19 24	17°54'58	6♓23	13°38	28°48	17°29	16°15	23°58	29°29	9°12	15°29	28°25	29♍59	11°18	n.a.	F 16
S 17	21 23 21	18°53'32	18°11	15°32	0♌ 3	17°19	16°27	24° 1	29°30	9°13	15°30	28°22	29°56	11°25	n.a.	S 17
S 18	21 27 17	19°52'08	29°57	17°25	1°17	17° 9	16°40	24° 3	29°31	9°14	15°32	28°D22	29°52	11°32	n.a.	S 18
M19	21 31 14	20°50'46	11♈47	19°17	2°31	16°58	16°52	24° 6	29°32	9°15	15°34	28°22	29°49	11°38	n.a.	M19
T 20	21 35 10	21°49'26	23°42	21° 8	3°45	16°46	17° 4	24° 9	29°33	9°16	15°35	28°24	29°46	11°45	n.a.	T 20
W21	21 39 7	22°48'09	5♉49	22°58	4°59	16°33	17°17	24°11	29°34	9°17	15°37	28°26	29°43	11°52	n.a.	W21
T 22	21 43 3	23°46'54	18°11	24°48	6°14	16°20	17°29	24°13	29°35	9°18	15°38	28°R27	29°40	11°58	n.a.	T 22
F 23	21 47 0	24°45'42	0♊53	26°36	7°28	16° 6	17°42	24°15	29°36	9°18	15°40	28°27	29°36	12° 5	n.a.	F 23
S 24	21 50 56	25°44'32	13°59	28°24	8°43	15°51	17°54	24°17	29°37	9°19	15°42	28°25	29°33	12°12	n.a.	S 24
S 25	21 54 53	26°43'24	27°33	0♍11	9°57	15°36	18° 7	24°19	29°38	9°20	15°44	28°23	29°30	12°18	n.a.	S 25
M26	21 58 49	27°42'19	11♋36	1°56	11°11	15°20	18°20	24°21	29°39	9°21	15°45	28°19	29°27	12°25	n.a.	M26
T 27	22 2 46	28°41'16	26° 6	3°41	12°26	15° 4	18°32	24°23	29°40	9°21	15°47	28°14	29°24	12°32	n.a.	T 27
W28	22 6 43	29°40'15	10♌58	5°25	13°41	14°47	18°45	24°25	29°40	9°22	15°49	28°10	29°21	12°38	n.a.	W28
T 29	22 10 39	0♍39'17	26° 5	7° 8	14°55	14°29	18°58	24°26	29°41	9°23	15°51	28° 7	29°17	12°45	n.a.	T 29
F 30	22 14 36	1°38'21	11♍17	8°50	16°10	14°12	19°11	24°28	29°41	9°23	15°53	28° 5	29°14	12°52	n.a.	F 30
S 31	22 18 32	2♍37'26	26♍25	10♍31	17♌24	13♓53	19♍23	24♉29	29♉42	9♊24	15♎55	28°D 4	29♍11	12♓58	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19n38	12n28	3s24	23n 9	0n27	23n36	0n17	9s30	5s12	7n48	1n15	17n 0	1s49	20n 6	0s 5	20n49	1s15	8n 5	15n20	0n15	0s19	6s19			n.a.
F 2	19 25	8 29	2 18	23 8	0 39	23 32	0 20	9 31	5 14	7 43	1 15	17 1	1 49	20 7	0 5	20 49	1 15	8 4	15 20	0 17	0 17	6 18			n.a.
S 3	19 10	4 1	1 2	23 5	0 50	23 28	0 22	9 31	5 15	7 39	1 15	17 2	1 49	20 7	0 5	20 49	1 15	8 4	15 19	0 18	0 16	6 16			n.a.
S 4	18 56	0s38	0n16	23 0	1 0	23 23	0 25	9 32	5 17	7 34	1 15	17 3	1 50	20 7	0 5	20 49	1 15	8 3	15 19	0 18	0 15	6 14			n.a.
M 5	18 41	5 9	1 32	22 52	1 9	23 17	0 27	9 32	5 18	7 29	1 15	17 4	1 50	20 8	0 5	20 50	1 15	8 2	15 18	0 18	0 14	6 12			n.a.
T 6	18 26	9 17	2 40	22 41	1 17	23 11	0 30	9 34	5 19	7 25	1 15	17 4	1 50	20 8	0 5	20 50	1 15	8 1	15 17	0 17	0 12	6 11			n.a.
W 7	18 11	12 48	3 38	22 27	1 24	23 4	0 32	9 35	5 20	7 20	1 15	17 5	1 50	20 9	0 5	20 50	1 15	8 0	15 17	0 17	0 11	6 9			n.a.
T 8	17 55	15 34	4 22	22 11	1 30	22 56	0 35	9 37	5 21	7 15	1 15	17 6	1 50	20 9	0 5	20 50	1 15	7 59	15 16	0 18	0 10	6 7			n.a.
F 9	17 39	17 28	4 52	21 52	1 35	22 48	0 37	9 39	5 22	7 11	1 14	17 7	1 50	20 9	0 5	20 50	1 15	7 58	15 16	0 19	0 8	6 5			n.a.
S 10	17 23	18 27	5 7	21 31	1 39	22 38	0 39	9 41	5 23	7 6	1 14	17 8	1 50	20 10	0 5	20 50	1 15	7 57	15 15	0 22	0 7	6 4			n.a.
S 11	17 6	18 30	5 6	21 7	1 43	22 29	0 42	9 44	5 24	7 1	1 14	17 8	1 50	20 10	0 5	20 51	1 15	7 56	15 15	0 25	0 6	6 2			n.a.
M12	16 49	17 39	4 51	20 41	1 46	22 18	0 44	9 47	5 25	6 56	1 14	17 9	1 51	20 10	0 5	20 51	1 15	7 55	15 14	0 28	0 5	6 0			n.a.
T 13	16 32	16 0	4 23	20 14	1 47	22 7	0 46	9 50	5 25	6 52	1 14	17 10	1 51	20 11	0 5	20 51	1 15	7 54	15 14	0 31	0 3	5 58			n.a.
W14	16 14	13 40	3 43	19 44	1 48	21 55	0 48	9 53	5 26	6 47	1 14	17 10	1 51	20 11	0 5	20 51	1 15	7 53	15 13	0 34	0 2	5 57			n.a.
T 15	15 57	10 47	2 53	19 12	1 49	21 43	0 50	9 56	5 26	6 42	1 14	17 11	1 51	20 11	0 5	20 51	1 15	7 52	15 13	0 37	0 1	5 55			n.a.
F 16	15 39	7 28	1 57	18 39	1 49	21 30	0 52	10 0	5 27	6 37	1 14	17 12	1 51	20 12	0 5	20 51	1 15	7 51	15 12	0 38	0n 1	5 53			n.a.
S 17	15 20	3 53	0 55	18 5	1 48	21 16	0 54	10 4	5 27	6 32	1 14	17 12	1 51	20 12	0 5	20 51	1 15	7 50	15 12	0 39	0 2	5 51			n.a.
S 18	15 2	0 9	0s 9	17 29	1 46	21 1	0 56	10 8	5 27	6 27	1 14	17 13	1 51	20 12	0 5	20 52	1 15	7 49	15 12	0 40	0 3	5 49			n.a.
M19	14 43	3n36	1 13	16 52	1 44	20 46	0 58	10 12	5 27	6 22	1 14	17 13	1 51	20 12	0 5	20 52	1 15	7 48	15 11	0 39	0 4	5 48			n.a.
T 20	14 24	7 14	2 14	16 14	1 42	20 31	1 0	10 17	5 26	6 17	1 13	17 14	1 52	20 13	0 5	20 52	1 15	7 47	15 11	0 39	0 6	5 46			n.a.
W21	14 5	10 37	3 11	15 34	1 39	20 14	1 2	10 22	5 26	6 12	1 13	17 14	1 52	20 13	0 5	20 52	1 15	7 46	15 10	0 38	0 7	5 44			n.a.
T 22	13 45	13 37	3 59	14 54	1 35	19 58	1 3	10 26	5 26	6 7	1 13	17 15	1 52	20 13	0 5	20 52	1 15	7 45	15 10	0 37	0 8	5 42			n.a.
F 23	13 25	16 2	4 38	14 14	1 32	19 40	1 5	10 31	5 25	6 2	1 13	17 15	1 52	20 13	0 5	20 52	1 15	7 44	15 9	0 38	0 9	5 41			n.a.
S 24	13 5	17 43	5 4	13 32	1 27	19 22	1 7	10 37	5 24	5 57	1 13	17 15	1 52	20 13	0 5	20 52	1 15	7 43	15 9	0 38	0 11	5 39			n.a.
S 25	12 45	18 29	5 13	12 50	1 23	19 3	1 8	10 42	5 23	5 52	1 13	17 16	1 52	20 14	0 5	20 52	1 15	7 42	15 8	0 39	0 12	5 37			n.a.
M26	12 25	18 9	5 5	12 7	1 18	18 44	1 10	10 47	5 22	5 47	1 13	17 16	1 52	20 14	0 5	20 52	1 15	7 40	15 8	0 41	0 13	5 35			n.a.
T 27	12 4	16 38	4 37	11 24	1 13	18 25	1 11	10 52	5 21	5 42	1 13	17 16	1 53	20 14	0 5	20 52	1 15	7 39	15 8	0 42	0 15	5 33			n.a.
W28	11 43	13 59	3 51	10 41	1 8	18 4	1 13	10 58	5 20	5 37	1 13	17 17	1 53	20 14	0 5	20 52	1 15	7 38	15 7	0 44	0 16	5 32			n.a.
T 29	11 22	10 21	2 47	9 57	1 2	17 44	1 14	11 3	5 18	5 32	1 13	17 17	1 53	20 14	0 5	20 53	1 15	7 37	15 7	0 46	0 17	5 30			n.a.
F 30	11 1	6 1	1 31	9 13	0 57	17 22	1 15	11 9	5 16	5 27	1 13	17 17	1 53	20 14	0 5	20 53	1 15	7 36	15 6	0 46	0 18	5 28			n.a.
S 31	10n40	1n18	0s 9	8n29	0n51	17n 1	1n16	11s14	5s15	5n22	1n13	17n17	1s53	20n15	0s 5	20n53	1s16	7n35	15n 6	0n47	0n20	5s26			n.a.

Julian Day Number = 1634705.5, Delta T = 03h39m51s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'51, Lahiri = - 7°13'51 Julian Calendar 1 Aug. 238 BCE == Greg. Calendar 28 July 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

SEPTEMBER 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 22 29	3♍36'34	11♎20	12♍11	18♌39	13°R35	19♍36	24♉30	29♉43	9♊24	15♎57	28♍ 4	29♍ 8	13♓ 5	n.a.	S 1
M 2	22 26 25	4°35'44	25°55	13°51	19°54	13♓16	19°49	24°31	29°43	9°25	15°59	28° 6	29° 5	13°11	n.a.	M 2
T 3	22 30 22	5°34'55	10♏ 7	15°29	21° 9	12°57	20° 2	24°32	29°43	9°25	16° 0	28° 7	29° 2	13°18	n.a.	T 3
W 4	22 34 18	6°34'09	23°53	17° 7	22°24	12°38	20°15	24°33	29°44	9°26	16° 2	28° 8	28°58	13°25	n.a.	W 4
T 5	22 38 15	7°33'24	7♐15	18°44	23°38	12°19	20°28	24°34	29°44	9°26	16° 4	28°R 9	28°55	13°31	n.a.	T 5
F 6	22 42 12	8°32'42	20°15	20°20	24°53	11°59	20°41	24°34	29°44	9°27	16° 6	28° 8	28°52	13°38	n.a.	F 6
S 7	22 46 8	9°32'01	2♑55	21°55	26° 8	11°40	20°54	24°35	29°44	9°27	16° 9	28° 7	28°49	13°45	n.a.	S 7
S 8	22 50 5	10°31'22	15°20	23°30	27°23	11°21	21° 7	24°35	29°44	9°27	16°11	28° 5	28°46	13°51	n.a.	S 8
M 9	22 54 1	11°30'45	27°32	25° 3	28°38	11° 2	21°20	24°36	29°44	9°28	16°13	28° 2	28°42	13°58	n.a.	M 9
T 10	22 57 58	12°30'10	9♒34	26°36	29°53	10°43	21°33	24°36	29°R44	9°28	16°15	28° 0	28°39	14° 5	n.a.	T 10
W11	23 1 54	13°29'36	21°30	28° 9	1♍ 8	10°24	21°46	24°R36	29°44	9°28	16°17	27°57	28°36	14°11	n.a.	W11
T 12	23 5 51	14°29'05	3♓20	29°40	2°23	10° 5	21°59	24°36	29°44	9°28	16°19	27°56	28°33	14°18	n.a.	T 12
F 13	23 9 47	15°28'36	15° 9	1♎11	3°38	9°47	22°12	24°36	29°44	9°28	16°21	27°55	28°30	14°25	n.a.	F 13
S 14	23 13 44	16°28'09	26°57	2°41	4°53	9°29	22°25	24°35	29°44	9°29	16°23	27°D54	28°27	14°31	n.a.	S 14
S 15	23 17 40	17°27'44	8♈47	4°10	6° 8	9°11	22°38	24°35	29°44	9°29	16°25	27°55	28°23	14°38	n.a.	S 15
M16	23 21 37	18°27'22	20°41	5°39	7°23	8°54	22°51	24°35	29°43	9°29	16°28	27°55	28°20	14°45	n.a.	M16
T 17	23 25 34	19°27'01	2♉43	7° 7	8°38	8°37	23° 4	24°34	29°43	9°R29	16°30	27°56	28°17	14°51	n.a.	T 17
W18	23 29 30	20°26'43	14°54	8°34	9°54	8°21	23°17	24°33	29°43	9°29	16°32	27°57	28°14	14°58	n.a.	W18
T 19	23 33 27	21°26'28	27°19	10° 0	11° 9	8° 5	23°30	24°32	29°42	9°29	16°34	27°58	28°11	15° 5	n.a.	T 19
F 20	23 37 23	22°26'14	10♊ 1	11°26	12°24	7°50	23°44	24°32	29°42	9°29	16°37	27°58	28° 8	15°11	n.a.	F 20
S 21	23 41 20	23°26'04	23° 3	12°50	13°39	7°35	23°57	24°30	29°41	9°28	16°39	27°R58	28° 4	15°18	n.a.	S 21
S 22	23 45 16	24°25'55	6♋28	14°14	14°55	7°21	24°10	24°29	29°40	9°28	16°41	27°58	28° 1	15°24	n.a.	S 22
M23	23 49 13	25°25'49	20°19	15°37	16°10	7° 7	24°23	24°28	29°40	9°28	16°43	27°58	27°58	15°31	n.a.	M23
T 24	23 53 9	26°25'45	4♌35	17° 0	17°25	6°55	24°36	24°27	29°39	9°28	16°46	27°58	27°55	15°38	n.a.	T 24
W25	23 57 6	27°25'43	19°14	18°21	18°40	6°43	24°49	24°25	29°38	9°28	16°48	27°58	27°52	15°44	n.a.	W25
T 26	0 1 3	28°25'44	4♍12	19°41	19°56	6°31	25° 2	24°24	29°37	9°27	16°50	27°D58	27°48	15°51	n.a.	T 26
F 27	0 4 59	29°25'47	19°21	21° 0	21°11	6°21	25°16	24°22	29°37	9°27	16°53	27°58	27°45	15°58	n.a.	F 27
S 28	0 8 56	0♎25'51	4♎31	22°18	22°27	6°11	25°29	24°20	29°36	9°27	16°55	27°R58	27°42	16° 4	n.a.	S 28
S 29	0 12 52	1°25'58	19°34	23°34	23°42	6° 2	25°42	24°18	29°35	9°26	16°57	27°57	27°39	16°11	n.a.	S 29
M30	0 16 49	2♎26'07	4♏21	24♎49	24♍57	5♓53	25♍55	24♉16	29♉34	9♊26	17♎ 0	27♍57	27♍36	16♓18	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n18	3s26	1n13	7n45	0n44	16n38	1n18	11s20	5s13	5n16	1n13	17n17	1s53	20n15	0s 5	20n53	1s16	7n34	15n 6	0n47	0n21	5s25		n.a.
M 2	9 56	7 50	2 28	7 1	0 38	16 16	1 19	11 25	5 10	5 11	1 13	17 17	1 53	20 15	0 5	20 53	1 16	7 33	15 5	0 46	0 22	5 23		n.a.
T 3	9 34	11 41	3 32	6 16	0 32	15 52	1 20	11 30	5 8	5 6	1 13	17 18	1 54	20 15	0 5	20 53	1 16	7 32	15 5	0 45	0 24	5 21		n.a.
W 4	9 12	14 45	4 21	5 32	0 25	15 29	1 21	11 35	5 6	5 1	1 12	17 18	1 54	20 15	0 5	20 53	1 16	7 31	15 4	0 45	0 25	5 19		n.a.
T 5	8 50	16 55	4 55	4 48	0 19	15 5	1 21	11 41	5 3	4 56	1 12	17 18	1 54	20 15	0 5	20 53	1 16	7 30	15 4	0 45	0 26	5 17		n.a.
F 6	8 28	18 9	5 13	4 3	0 12	14 40	1 22	11 46	5 1	4 51	1 12	17 18	1 54	20 15	0 5	20 53	1 16	7 29	15 4	0 45	0 27	5 16		n.a.
S 7	8 5	18 26	5 15	3 19	0 5	14 15	1 23	11 51	4 58	4 45	1 12	17 18	1 54	20 15	0 5	20 53	1 16	7 27	15 3	0 46	0 29	5 14		n.a.
S 8	7 43	17 50	5 2	2 35	0s 2	13 50	1 24	11 55	4 55	4 40	1 12	17 18	1 54	20 15	0 5	20 53	1 16	7 26	15 3	0 46	0 30	5 12		n.a.
M 9	7 20	16 24	4 35	1 51	0 9	13 24	1 24	12 0	4 52	4 35	1 12	17 18	1 54	20 15	0 5	20 53	1 16	7 25	15 3	0 47	0 31	5 10		n.a.
T 10	6 57	14 16	3 57	1 7	0 16	12 58	1 25	12 4	4 48	4 30	1 12	17 18	1 54	20 15	0 5	20 53	1 16	7 24	15 2	0 48	0 32	5 8		n.a.
W11	6 34	11 32	3 8	0 24	0 23	12 32	1 25	12 8	4 45	4 24	1 12	17 17	1 55	20 15	0 5	20 53	1 16	7 23	15 2	0 49	0 34	5 7		n.a.
T 12	6 11	8 21	2 12	0s19	0 30	12 5	1 26	12 12	4 42	4 19	1 12	17 17	1 55	20 15	0 5	20 53	1 16	7 22	15 2	0 50	0 35	5 5		n.a.
F 13	5 47	4 51	1 10	1 2	0 37	11 38	1 26	12 16	4 38	4 14	1 12	17 17	1 55	20 15	0 5	20 53	1 16	7 21	15 1	0 50	0 36	5 3		n.a.
S 14	5 24	1 9	0 5	1 45	0 44	11 10	1 26	12 20	4 34	4 9	1 12	17 17	1 55	20 15	0 5	20 53	1 16	7 20	15 1	0 51	0 38	5 1		n.a.
S 15	5 1	2n36	1s 0	2 27	0 51	10 42	1 27	12 23	4 31	4 3	1 12	17 17	1 55	20 15	0 5	20 53	1 16	7 19	15 1	0 50	0 39	4 59		n.a.
M16	4 37	6 16	2 3	3 9	0 58	10 14	1 27	12 26	4 27	3 58	1 12	17 16	1 55	20 15	0 5	20 53	1 16	7 18	15 0	0 50	0 40	4 58		n.a.
T 17	4 13	9 43	3 2	3 51	1 5	9 46	1 27	12 29	4 23	3 53	1 12	17 16	1 55	20 15	0 5	20 53	1 16	7 17	15 0	0 50	0 41	4 56		n.a.
W18	3 50	12 47	3 53	4 32	1 12	9 17	1 27	12 32	4 19	3 48	1 12	17 16	1 56	20 15	0 5	20 53	1 16	7 15	15 0	0 50	0 43	4 54		n.a.
T 19	3 26	15 21	4 34	5 12	1 19	8 48	1 27	12 34	4 15	3 42	1 12	17 16	1 56	20 15	0 5	20 53	1 16	7 14	15 0	0 49	0 44	4 52		n.a.
F 20	3 2	17 13	5 3	5 53	1 25	8 19	1 27	12 36	4 11	3 37	1 12	17 15	1 56	20 15	0 5	20 53	1 16	7 13	14 59	0 49	0 45	4 50		n.a.
S 21	2 38	18 16	5 17	6 32	1 32	7 50	1 27	12 38	4 6	3 32	1 12	17 15	1 56	20 14	0 5	20 53	1 16	7 12	14 59	0 49	0 47	4 49		n.a.
S 22	2 14	18 19	5 15	7 11	1 38	7 20	1 26	12 39	4 2	3 27	1 12	17 14	1 56	20 14	0 5	20 53	1 16	7 11	14 59	0 49	0 48	4 47		n.a.
M23	1 50	17 19	4 54	7 50	1 45	6 50	1 26	12 40	3 58	3 21	1 12	17 14	1 56	20 14	0 5	20 52	1 16	7 10	14 59	0 49	0 49	4 45		n.a.
T 24	1 26	15 12	4 16	8 27	1 51	6 20	1 26	12 41	3 54	3 16	1 12	17 14	1 56	20 14	0 5	20 52	1 16	7 9	14 58	0 49	0 50	4 43		n.a.
W25	1 2	12 4	3 19	9 4	1 57	5 50	1 25	12 42	3 49	3 11	1 12	17 13	1 56	20 14	0 5	20 52	1 16	7 8	14 58	0 49	0 52	4 41		n.a.
T 26	0 38	8 5	2 8	9 41	2 3	5 20	1 25	12 42	3 45	3 5	1 12	17 13	1 56	20 14	0 5	20 52	1 16	7 7	14 58	0 49	0 53	4 40		n.a.
F 27	0 14	3 32	0 48	10 16	2 8	4 49	1 24	12 42	3 40	3 0	1 12	17 12	1 57	20 14	0 5	20 52	1 16	7 6	14 58	0 49	0 54	4 38		n.a.
S 28	0s10	1s16	0n36	10 51	2 14	4 18	1 23	12 41	3 36	2 55	1 12	17 12	1 57	20 13	0 5	20 52	1 16	7 5	14 58	0 49	0 55	4 36		n.a.
S 29	0 35	5 56	1 57	11 24	2 19	3 48	1 23	12 41	3 32	2 50	1 12	17 11	1 57	20 13	0 5	20 52	1 16	7 4	14 57	0 49	0 57	4 34		n.a.
M30	0s59	10s 9	3n 9	11s57	2s24	3n17	1n22	12s40	3s27	2n44	1n12	17n10	1s57	20n13	0s 5	20n52	1s17	7n 3	14n57	0n49	0n58	4s32		n.a.

Julian Day Number = 1634736.5, Delta T = 03h39m50s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'47, Lahiri = - 7°13'47 Julian Calendar 1 Sept. 238 BCE == Greg. Calendar 28 Aug. 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

OCTOBER 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 20 45	3♎26'17	18♏45	26♎ 3	26♍13	5°R46	26♍ 8	24°R14	29°R33	9°R25	17♎ 2	27°R57	27♍33	16♓24	n.a.	T 1
W 2	0 24 42	4°26'29	2♐44	27°14	27°28	5♓39	26°21	24♉12	29♉31	9♊25	17° 5	27♍56	27°29	16°31	n.a.	W 2
T 3	0 28 38	5°26'43	16°14	28°24	28°44	5°33	26°34	24° 9	29°30	9°24	17° 7	27°55	27°26	16°38	n.a.	T 3
F 4	0 32 35	6°26'58	29°19	29°32	29°59	5°28	26°47	24° 7	29°29	9°24	17° 9	27°55	27°23	16°44	n.a.	F 4
S 5	0 36 31	7°27'15	12♑ 0	0♏37	1♎15	5°24	27° 0	24° 4	29°28	9°23	17°12	27°D55	27°20	16°51	n.a.	S 5
S 6	0 40 28	8°27'34	24°22	1°40	2°30	5°20	27°13	24° 2	29°26	9°23	17°14	27°55	27°17	16°58	n.a.	S 6
M 7	0 44 25	9°27'54	6♒29	2°40	3°46	5°18	27°26	23°59	29°25	9°22	17°17	27°56	27°13	17° 4	n.a.	M 7
T 8	0 48 21	10°28'16	18°25	3°37	5° 1	5°16	27°39	23°56	29°24	9°21	17°19	27°57	27°10	17°11	n.a.	T 8
W 9	0 52 18	11°28'39	0♓16	4°29	6°16	5°15	27°52	23°53	29°22	9°20	17°21	27°59	27° 7	17°17	n.a.	W 9
T 10	0 56 14	12°29'04	12° 3	5°18	7°32	5°D15	28° 5	23°50	29°21	9°20	17°24	28° 0	27° 4	17°24	n.a.	T 10
F 11	1 0 11	13°29'30	23°51	6° 2	8°47	5°15	28°18	23°47	29°19	9°19	17°26	28°R 0	27° 1	17°31	n.a.	F 11
S 12	1 4 7	14°29'58	5♈43	6°41	10° 3	5°17	28°31	23°44	29°18	9°18	17°29	28° 0	26°58	17°37	n.a.	S 12
S 13	1 8 4	15°30'28	17°40	7°14	11°18	5°19	28°44	23°41	29°16	9°17	17°31	27°59	26°54	17°44	n.a.	S 13
M14	1 12 0	16°30'59	29°44	7°41	12°34	5°22	28°57	23°37	29°14	9°16	17°34	27°57	26°51	17°51	n.a.	M14
T 15	1 15 57	17°31'32	11♉58	8° 0	13°50	5°26	29°10	23°34	29°13	9°16	17°36	27°54	26°48	17°57	n.a.	T 15
W16	1 19 54	18°32'07	24°23	8°12	15° 5	5°30	29°23	23°30	29°11	9°15	17°38	27°51	26°45	18° 4	n.a.	W16
T 17	1 23 50	19°32'44	6♊59	8°R15	16°21	5°35	29°35	23°27	29° 9	9°14	17°41	27°48	26°42	18°11	n.a.	T 17
F 18	1 27 47	20°33'22	19°49	8° 8	17°36	5°41	29°48	23°23	29° 7	9°13	17°43	27°44	26°39	18°17	n.a.	F 18
S 19	1 31 43	21°34'03	2♋55	7°52	18°52	5°48	0♎ 1	23°19	29° 5	9°12	17°46	27°42	26°35	18°24	n.a.	S 19
S 20	1 35 40	22°34'45	16°18	7°25	20° 7	5°55	0°13	23°15	29° 4	9°11	17°48	27°41	26°32	18°31	n.a.	S 20
M21	1 39 36	23°35'29	29°59	6°48	21°23	6° 3	0°26	23°11	29° 2	9°10	17°51	27°D41	26°29	18°37	n.a.	M21
T 22	1 43 33	24°36'15	13♌59	6° 1	22°38	6°12	0°39	23° 7	29° 0	9° 8	17°53	27°42	26°26	18°44	n.a.	T 22
W23	1 47 29	25°37'02	28°18	5° 3	23°54	6°21	0°51	23° 3	28°58	9° 7	17°55	27°43	26°23	18°51	n.a.	W23
T 24	1 51 26	26°37'51	12♍54	3°57	25°10	6°32	1° 4	22°59	28°56	9° 6	17°58	27°45	26°19	18°57	n.a.	T 24
F 25	1 55 23	27°38'42	27°43	2°43	26°25	6°42	1°16	22°55	28°54	9° 5	18° 0	27°R45	26°16	19° 4	n.a.	F 25
S 26	1 59 19	28°39'34	12♎38	1°24	27°41	6°54	1°29	22°51	28°52	9° 4	18° 3	27°45	26°13	19°10	n.a.	S 26
S 27	2 3 16	29°40'27	27°31	0° 3	28°56	7° 6	1°41	22°46	28°49	9° 3	18° 5	27°42	26°10	19°17	n.a.	S 27
M28	2 7 12	0♏41'22	12♏15	28♎41	0♏12	7°18	1°53	22°42	28°47	9° 1	18° 7	27°38	26° 7	19°24	n.a.	M28
T 29	2 11 9	1°42'18	26°42	27°21	1°27	7°32	2° 6	22°37	28°45	9° 0	18°10	27°33	26° 4	19°30	n.a.	T 29
W30	2 15 5	2°43'16	10♐47	26° 7	2°43	7°45	2°18	22°33	28°43	8°59	18°12	27°27	26° 0	19°37	n.a.	W30
T 31	2 19 2	3♏44'14	24♐25	25♎ 1	3♏59	8♓ 0	2♎30	22♉28	28♉41	8♊58	18♎15	27♍22	25♍57	19♓44	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	1s23	13s39	4n 7	12s28	2s28	2n46	1n21	12s38	3s23	2n39	1n12	17n10	1s57	20n13	0s 5	20n52	1s17	7n 2	14n57	0n50	0n59	4s31			n.a.
W 2	1 47	16 15	4 48	12 59	2 33	2 15	1 20	12 37	3 18	2 34	1 12	17 9	1 57	20 12	0 5	20 52	1 17	7 1	14 57	0 50	1 1	4 29			n.a.
T 3	2 11	17 50	5 11	13 28	2 36	1 43	1 19	12 35	3 14	2 29	1 12	17 8	1 57	20 12	0 5	20 52	1 17	7 0	14 57	0 50	1 2	4 27			n.a.
F 4	2 35	18 25	5 18	13 56	2 40	1 12	1 18	12 33	3 10	2 23	1 12	17 8	1 57	20 12	0 5	20 51	1 17	6 58	14 57	0 50	1 3	4 25			n.a.
S 5	2 59	18 3	5 8	14 22	2 43	0 41	1 17	12 30	3 5	2 18	1 12	17 7	1 57	20 12	0 5	20 51	1 17	6 57	14 56	0 50	1 4	4 23			n.a.
S 6	3 24	16 50	4 45	14 46	2 45	0 9	1 16	12 28	3 1	2 13	1 12	17 6	1 57	20 11	0 5	20 51	1 17	6 56	14 56	0 50	1 6	4 22			n.a.
M 7	3 48	14 51	4 9	15 9	2 47	0s22	1 15	12 25	2 57	2 8	1 12	17 5	1 58	20 11	0 5	20 51	1 17	6 55	14 56	0 50	1 7	4 20			n.a.
T 8	4 12	12 16	3 23	15 30	2 49	0 53	1 14	12 21	2 52	2 3	1 12	17 5	1 58	20 11	0 5	20 51	1 17	6 54	14 56	0 49	1 8	4 18			n.a.
W 9	4 35	9 12	2 28	15 49	2 49	1 25	1 13	12 18	2 48	1 57	1 12	17 4	1 58	20 10	0 5	20 51	1 17	6 53	14 56	0 49	1 10	4 16			n.a.
T 10	4 59	5 47	1 27	16 6	2 49	1 56	1 11	12 14	2 44	1 52	1 12	17 3	1 58	20 10	0 5	20 51	1 17	6 52	14 56	0 48	1 11	4 14			n.a.
F 11	5 23	2 7	0 23	16 20	2 48	2 27	1 10	12 10	2 40	1 47	1 12	17 2	1 58	20 10	0 5	20 51	1 17	6 51	14 56	0 48	1 12	4 12			n.a.
S 12	5 47	1n39	0s43	16 31	2 46	2 59	1 8	12 6	2 36	1 42	1 12	17 1	1 58	20 9	0 5	20 50	1 17	6 50	14 56	0 48	1 13	4 11			n.a.
S 13	6 10	5 22	1 47	16 39	2 43	3 30	1 7	12 1	2 32	1 37	1 12	17 0	1 58	20 9	0 5	20 50	1 17	6 49	14 56	0 49	1 15	4 9			n.a.
M14	6 34	8 55	2 47	16 44	2 39	4 1	1 5	11 56	2 28	1 32	1 12	17 0	1 58	20 9	0 5	20 50	1 17	6 49	14 56	0 49	1 16	4 7			n.a.
T 15	6 57	12 7	3 40	16 46	2 34	4 32	1 4	11 51	2 24	1 27	1 12	16 59	1 58	20 8	0 5	20 50	1 17	6 48	14 56	0 51	1 17	4 5			n.a.
W16	7 21	14 50	4 23	16 43	2 27	5 3	1 2	11 46	2 20	1 21	1 12	16 58	1 58	20 8	0 5	20 50	1 17	6 47	14 56	0 52	1 18	4 3			n.a.
T 17	7 44	16 53	4 55	16 37	2 19	5 34	1 0	11 40	2 16	1 16	1 13	16 57	1 58	20 8	0 5	20 50	1 17	6 46	14 55	0 53	1 20	4 2			n.a.
F 18	8 7	18 8	5 12	16 26	2 10	6 5	0 59	11 34	2 12	1 11	1 13	16 56	1 58	20 7	0 5	20 49	1 17	6 45	14 55	0 55	1 21	4 0			n.a.
S 19	8 30	18 28	5 14	16 10	1 58	6 36	0 57	11 28	2 8	1 6	1 13	16 55	1 58	20 7	0 5	20 49	1 17	6 44	14 55	0 55	1 22	3 58			n.a.
S 20	8 53	17 46	4 59	15 49	1 46	7 6	0 55	11 22	2 4	1 1	1 13	16 54	1 58	20 6	0 5	20 49	1 17	6 43	14 55	0 56	1 24	3 56			n.a.
M21	9 16	16 3	4 26	15 22	1 31	7 37	0 53	11 16	2 1	0 56	1 13	16 53	1 58	20 6	0 5	20 49	1 17	6 42	14 55	0 56	1 25	3 54			n.a.
T 22	9 39	13 21	3 38	14 51	1 15	8 7	0 51	11 9	1 57	0 51	1 13	16 52	1 59	20 6	0 5	20 49	1 17	6 41	14 55	0 56	1 26	3 52			n.a.
W23	10 1	9 47	2 35	14 15	0 57	8 37	0 49	11 2	1 54	0 46	1 13	16 51	1 59	20 5	0 5	20 49	1 17	6 40	14 55	0 55	1 27	3 51			n.a.
T 24	10 23	5 33	1 21	13 35	0 38	9 7	0 47	10 55	1 50	0 41	1 13	16 50	1 59	20 5	0 5	20 48	1 17	6 39	14 55	0 54	1 29	3 49			n.a.
F 25	10 45	0 55	0 0	12 50	0 18	9 36	0 45	10 48	1 47	0 36	1 13	16 48	1 59	20 4	0 5	20 48	1 17	6 38	14 55	0 54	1 30	3 47			n.a.
S 26	11 7	3s49	1n21	12 4	0n 3	10 6	0 43	10 41	1 43	0 31	1 13	16 47	1 59	20 4	0 5	20 48	1 17	6 38	14 56	0 54	1 31	3 45			n.a.
S 27	11 29	8 17	2 36	11 15	0 23	10 35	0 41	10 33	1 40	0 26	1 13	16 46	1 59	20 3	0 5	20 48	1 17	6 37	14 56	0 55	1 33	3 43			n.a.
M28	11 51	12 13	3 40	10 27	0 44	11 4	0 39	10 25	1 36	0 21	1 13	16 45	1 59	20 3	0 5	20 47	1 17	6 36	14 56	0 57	1 34	3 41			n.a.
T 29	12 12	15 18	4 28	9 40	1 3	11 32	0 37	10 17	1 33	0 17	1 13	16 44	1 59	20 2	0 5	20 47	1 17	6 35	14 56	0 59	1 35	3 40			n.a.
W30	12 34	17 24	4 59	8 57	1 21	12 1	0 35	10 9	1 30	0 12	1 13	16 43	1 59	20 2	0 5	20 47	1 17	6 34	14 56	1 1	1 36	3 38			n.a.
T 31	12s55	18s25	5n11	8s17	1n38	12s29	0n33	10s 1	1s27	0n 7	1n13	16n42	1s59	20n 1	0s 5	20n47	1s17	6n33	14n56	1n 4	1n38	3s36			n.a.

Julian Day Number = 1634766.5, Delta T = 03h39m49s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'43, Lahiri = - 7°13'42 Julian Calendar 1 Oct. 238 BCE == Greg. Calendar 27 Sept. 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

NOVEMBER 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 22 58	4♏45'13	7♉36	24°R 4	5♏14	8♓15	2♎42	22°R24	28°R38	8°R56	18♎17	27°R17	25♍54	19♓50	n.a.	F 1
S 2	2 26 55	5°46'13	20°22	23♎17	6°30	8°31	2°54	22♉19	28♉36	8♊55	18°19	27♍14	25°51	19°57	n.a.	S 2
S 3	2 30 52	6°47'14	2♒46	22°42	7°45	8°47	3° 6	22°14	28°34	8°53	18°22	27°D13	25°48	20° 4	n.a.	S 3
M 4	2 34 48	7°48'15	14°54	22°18	9° 1	9° 3	3°18	22°10	28°31	8°52	18°24	27°13	25°44	20°10	n.a.	M 4
T 5	2 38 45	8°49'18	26°49	22° 5	10°16	9°20	3°30	22° 5	28°29	8°51	18°26	27°14	25°41	20°17	n.a.	T 5
W 6	2 42 41	9°50'21	8♓38	22°D 4	11°32	9°38	3°42	22° 0	28°27	8°49	18°29	27°16	25°38	20°24	n.a.	W 6
T 7	2 46 38	10°51'24	20°24	22°12	12°48	9°56	3°54	21°55	28°24	8°48	18°31	27°17	25°35	20°30	n.a.	T 7
F 8	2 50 34	11°52'29	2♈14	22°30	14° 3	10°15	4° 6	21°50	28°22	8°46	18°33	27°R17	25°32	20°37	n.a.	F 8
S 9	2 54 31	12°53'34	14°10	22°57	15°19	10°34	4°17	21°45	28°19	8°45	18°35	27°16	25°29	20°43	n.a.	S 9
S 10	2 58 27	13°54'40	26°16	23°31	16°34	10°54	4°29	21°41	28°17	8°43	18°38	27°12	25°25	20°50	n.a.	S 10
M11	3 2 24	14°55'46	8♉34	24°12	17°50	11°14	4°40	21°36	28°14	8°42	18°40	27° 6	25°22	20°57	n.a.	M11
T 12	3 6 20	15°56'53	21° 4	25° 0	19° 5	11°34	4°52	21°31	28°12	8°40	18°42	26°58	25°19	21° 3	n.a.	T 12
W13	3 10 17	16°58'01	3♊48	25°53	20°21	11°55	5° 3	21°26	28° 9	8°39	18°44	26°48	25°16	21°10	n.a.	W13
T 14	3 14 14	17°59'10	16°45	26°50	21°36	12°16	5°14	21°21	28° 7	8°37	18°47	26°39	25°13	21°17	n.a.	T 14
F 15	3 18 10	19° 0'20	29°54	27°52	22°52	12°38	5°26	21°16	28° 4	8°36	18°49	26°30	25°10	21°23	n.a.	F 15
S 16	3 22 7	20° 1'31	13♋15	28°57	24° 7	13° 0	5°37	21°11	28° 2	8°34	18°51	26°22	25° 6	21°30	n.a.	S 16
S 17	3 26 3	21° 2'42	26°47	0♏ 5	25°23	13°22	5°48	21° 6	27°59	8°32	18°53	26°17	25° 3	21°37	n.a.	S 17
M18	3 30 0	22° 3'54	10♌30	1°16	26°38	13°45	5°59	21° 1	27°57	8°31	18°55	26°14	25° 0	21°43	n.a.	M18
T 19	3 33 56	23° 5'07	24°23	2°30	27°54	14° 8	6°10	20°56	27°54	8°29	18°57	26°D14	24°57	21°50	n.a.	T 19
W20	3 37 53	24° 6'20	8♍28	3°46	29° 9	14°32	6°21	20°51	27°52	8°28	18°59	26°14	24°54	21°57	n.a.	W20
T 21	3 41 50	25° 7'35	22°42	5° 3	0♐25	14°56	6°31	20°46	27°49	8°26	19° 2	26°R15	24°50	22° 3	n.a.	T 21
F 22	3 45 46	26° 8'49	7♎ 5	6°22	1°40	15°20	6°42	20°41	27°46	8°24	19° 4	26°15	24°47	22°10	n.a.	F 22
S 23	3 49 43	27°10'05	21°34	7°43	2°56	15°44	6°53	20°36	27°44	8°23	19° 6	26°12	24°44	22°17	n.a.	S 23
S 24	3 53 39	28°11'21	6♏ 3	9° 5	4°11	16° 9	7° 3	20°31	27°41	8°21	19° 8	26° 7	24°41	22°23	n.a.	S 24
M25	3 57 36	29°12'38	20°28	10°28	5°27	16°34	7°13	20°26	27°39	8°19	19°10	25°59	24°38	22°30	n.a.	M25
T 26	4 1 32	0♐13'54	4♐41	11°52	6°42	17° 0	7°24	20°21	27°36	8°18	19°12	25°48	24°35	22°36	n.a.	T 26
W27	4 5 29	1°15'11	18°37	13°17	7°57	17°25	7°34	20°16	27°34	8°16	19°14	25°37	24°31	22°43	n.a.	W27
T 28	4 9 25	2°16'28	2♉13	14°42	9°13	17°52	7°44	20°11	27°31	8°14	19°15	25°26	24°28	22°50	n.a.	T 28
F 29	4 13 22	3°17'45	15°24	16° 9	10°28	18°18	7°54	20° 7	27°29	8°13	19°17	25°16	24°25	22°56	n.a.	F 29
S 30	4 17 19	4♐19'02	28♉13	17♏36	11♐44	18♓45	8♎ 4	20♉ 2	27♉26	8♊11	19♎19	25♍ 8	24♍22	23♓ 3	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s15	18s24	5n 7	7s42	1n52	12s56	0n31	9s52	1s24	0n 2	1n14	16n40	1s59	20n 1	0s 5	20n47	1s17	6n33	14n56	1n 5	1n39	3s34		n.a.
S 2	13 36	17 26	4 47	7 13	2 5	13 24	0 28	9 43	1 21	0s 3	1 14	16 39	1 59	20 0	0 5	20 46	1 17	6 32	14 56	1 7	1 40	3 32		n.a.
S 3	13 56	15 39	4 14	6 51	2 15	13 51	0 26	9 34	1 18	0 7	1 14	16 38	1 59	20 0	0 5	20 46	1 17	6 31	14 56	1 7	1 41	3 31		n.a.
M 4	14 17	13 12	3 30	6 34	2 23	14 18	0 24	9 25	1 15	0 12	1 14	16 37	1 59	19 59	0 5	20 46	1 17	6 30	14 56	1 7	1 43	3 29		n.a.
T 5	14 36	10 15	2 38	6 23	2 30	14 44	0 22	9 16	1 12	0 17	1 14	16 36	1 59	19 59	0 5	20 46	1 17	6 30	14 56	1 7	1 44	3 27		n.a.
W 6	14 56	6 53	1 40	6 18	2 34	15 10	0 19	9 7	1 9	0 22	1 14	16 34	1 59	19 58	0 5	20 45	1 17	6 29	14 56	1 6	1 45	3 25		n.a.
T 7	15 15	3 16	0 37	6 19	2 37	15 36	0 17	8 57	1 6	0 26	1 14	16 33	1 58	19 58	0 5	20 45	1 17	6 28	14 57	1 5	1 47	3 23		n.a.
F 8	15 35	0n29	0s27	6 24	2 39	16 1	0 15	8 48	1 4	0 31	1 14	16 32	1 58	19 57	0 5	20 45	1 17	6 27	14 57	1 5	1 48	3 21		n.a.
S 9	15 53	4 16	1 30	6 34	2 39	16 25	0 12	8 38	1 1	0 35	1 14	16 31	1 58	19 57	0 5	20 45	1 17	6 27	14 57	1 6	1 49	3 20		n.a.
S 10	16 12	7 55	2 30	6 48	2 38	16 50	0 10	8 28	0 58	0 40	1 14	16 30	1 58	19 56	0 5	20 45	1 17	6 26	14 57	1 8	1 50	3 18		n.a.
M11	16 30	11 18	3 24	7 5	2 35	17 14	0 7	8 18	0 56	0 44	1 15	16 28	1 58	19 56	0 5	20 44	1 17	6 25	14 57	1 10	1 52	3 16		n.a.
T 12	16 48	14 14	4 9	7 26	2 32	17 37	0 5	8 8	0 53	0 49	1 15	16 27	1 58	19 55	0 5	20 44	1 17	6 25	14 57	1 13	1 53	3 14		n.a.
W13	17 6	16 32	4 42	7 48	2 29	18 0	0 3	7 57	0 51	0 53	1 15	16 26	1 58	19 55	0 5	20 44	1 17	6 24	14 58	1 17	1 54	3 12		n.a.
T 14	17 23	18 3	5 2	8 13	2 24	18 22	0 0	7 47	0 48	0 58	1 15	16 25	1 58	19 54	0 5	20 44	1 17	6 23	14 58	1 21	1 55	3 10		n.a.
F 15	17 41	18 37	5 6	8 40	2 19	18 44	0s 2	7 36	0 46	1 2	1 15	16 23	1 58	19 53	0 5	20 43	1 17	6 23	14 58	1 25	1 57	3 9		n.a.
S 16	17 57	18 11	4 53	9 9	2 14	19 6	0 4	7 26	0 44	1 7	1 15	16 22	1 58	19 53	0 5	20 43	1 17	6 22	14 58	1 28	1 58	3 7		n.a.
S 17	18 14	16 43	4 24	9 39	2 8	19 27	0 7	7 15	0 41	1 11	1 15	16 21	1 58	19 52	0 5	20 43	1 17	6 22	14 58	1 30	1 59	3 5		n.a.
M18	18 30	14 17	3 40	10 10	2 1	19 47	0 9	7 4	0 39	1 15	1 15	16 20	1 58	19 52	0 4	20 42	1 17	6 21	14 59	1 31	2 1	3 3		n.a.
T 19	18 46	11 0	2 42	10 41	1 55	20 7	0 12	6 53	0 37	1 19	1 15	16 18	1 58	19 51	0 4	20 42	1 17	6 20	14 59	1 31	2 2	3 1		n.a.
W20	19 1	7 3	1 34	11 14	1 48	20 26	0 14	6 42	0 35	1 24	1 16	16 17	1 58	19 51	0 4	20 42	1 17	6 20	14 59	1 31	2 3	2 59		n.a.
T 21	19 16	2 38	0 19	11 46	1 41	20 45	0 16	6 30	0 32	1 28	1 16	16 16	1 58	19 50	0 4	20 42	1 17	6 19	14 59	1 30	2 4	2 57		n.a.
F 22	19 31	1s58	0n58	12 20	1 34	21 3	0 19	6 19	0 30	1 32	1 16	16 15	1 57	19 49	0 4	20 41	1 17	6 19	15 0	1 31	2 6	2 56		n.a.
S 23	19 45	6 29	2 11	12 53	1 27	21 20	0 21	6 7	0 28	1 36	1 16	16 14	1 57	19 49	0 4	20 41	1 17	6 18	15 0	1 32	2 7	2 54		n.a.
S 24	19 59	10 37	3 16	13 26	1 19	21 37	0 23	5 56	0 26	1 40	1 16	16 12	1 57	19 48	0 4	20 41	1 17	6 18	15 0	1 34	2 8	2 52		n.a.
M25	20 13	14 6	4 8	14 0	1 12	21 53	0 26	5 44	0 24	1 44	1 16	16 11	1 57	19 48	0 4	20 41	1 17	6 17	15 0	1 37	2 9	2 50		n.a.
T 26	20 26	16 41	4 43	14 33	1 4	22 8	0 28	5 32	0 22	1 48	1 16	16 10	1 57	19 47	0 4	20 40	1 17	6 17	15 1	1 41	2 11	2 48		n.a.
W27	20 39	18 14	5 1	15 6	0 57	22 23	0 30	5 20	0 20	1 52	1 17	16 9	1 57	19 47	0 4	20 40	1 17	6 16	15 1	1 46	2 12	2 46		n.a.
T 28	20 52	18 41	5 1	15 39	0 49	22 38	0 32	5 8	0 19	1 56	1 17	16 8	1 57	19 46	0 4	20 40	1 17	6 16	15 1	1 50	2 13	2 45		n.a.
F 29	21 4	18 6	4 45	16 12	0 42	22 51	0 35	4 56	0 17	2 0	1 17	16 7	1 57	19 45	0 4	20 40	1 17	6 15	15 1	1 54	2 15	2 43		n.a.
S 30	21s15	16s36	4n15	16s44	0n34	23s 4	0s37	4s44	0s15	2s 4	1n17	16n 5	1s56	19n45	0s 4	20n39	1s17	6n15	15n 2	1n58	2n16	2s41		n.a.

Julian Day Number = 1634797.5, Delta T = 03h39m48s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'39, Lahiri = - 7°13'38 Julian Calendar 1 Nov. 238 BCE == Greg. Calendar 28 Oct. 238 BCE

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ASTRODIENST EPHEMERIS for the year 238 BCE
geocentric

DECEMBER 238 BCE (-237) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 21 15	5♐20'18	10♒39	19♏ 3	12♐59	19♓11	8♎14	19°R57	27°R23	8°R 9	19♎21	25°R 2	24♍19	23♓10	n.a.	S 1
M 2	4 25 12	6°21'35	22°49	20°32	14°15	19°39	8°23	19♉52	27♉21	8♊ 7	19°23	24♍59	24°16	23°16	n.a.	M 2
T 3	4 29 8	7°22'50	4♓45	22° 0	15°30	20° 6	8°33	19°48	27°18	8° 6	19°25	24°D58	24°12	23°23	n.a.	T 3
W 4	4 33 5	8°24'06	16°34	23°30	16°45	20°34	8°43	19°43	27°16	8° 4	19°27	24°58	24° 9	23°30	n.a.	W 4
T 5	4 37 1	9°25'21	28°21	24°59	18° 1	21° 2	8°52	19°39	27°13	8° 2	19°28	24°R59	24° 6	23°36	n.a.	T 5
F 6	4 40 58	10°26'36	10♈12	26°29	19°16	21°30	9° 1	19°34	27°11	8° 1	19°30	24°57	24° 3	23°43	n.a.	F 6
S 7	4 44 54	11°27'50	22°12	28° 0	20°31	21°58	9°10	19°30	27° 8	7°59	19°32	24°54	24° 0	23°50	n.a.	S 7
S 8	4 48 51	12°29'03	4♉24	29°31	21°47	22°27	9°19	19°25	27° 6	7°57	19°33	24°48	23°56	23°56	n.a.	S 8
M 9	4 52 48	13°30'17	16°52	1♐ 2	23° 2	22°56	9°28	19°21	27° 3	7°55	19°35	24°40	23°53	24° 3	n.a.	M 9
T 10	4 56 44	14°31'29	29°38	2°34	24°17	23°25	9°37	19°17	27° 1	7°54	19°37	24°29	23°50	24°10	n.a.	T 10
W11	5 0 41	15°32'42	12♊42	4° 7	25°33	23°54	9°46	19°12	26°59	7°52	19°38	24°16	23°47	24°16	n.a.	W11
T 12	5 4 37	16°33'54	26° 3	5°40	26°48	24°23	9°54	19° 8	26°56	7°50	19°40	24° 2	23°44	24°23	n.a.	T 12
F 13	5 8 34	17°35'05	9♋38	7°13	28° 3	24°53	10° 3	19° 4	26°54	7°49	19°41	23°49	23°41	24°29	n.a.	F 13
S 14	5 12 30	18°36'16	23°24	8°46	29°18	25°23	10°11	19° 0	26°52	7°47	19°43	23°39	23°37	24°36	n.a.	S 14
S 15	5 16 27	19°37'27	7♌18	10°21	0♑34	25°53	10°19	18°56	26°49	7°45	19°44	23°31	23°34	24°43	n.a.	S 15
M16	5 20 24	20°38'38	21°16	11°55	1°49	26°23	10°27	18°52	26°47	7°44	19°46	23°26	23°31	24°49	n.a.	M16
T 17	5 24 20	21°39'48	5♍18	13°30	3° 4	26°53	10°35	18°49	26°45	7°42	19°47	23°24	23°28	24°56	n.a.	T 17
W18	5 28 17	22°40'57	19°22	15° 6	4°19	27°23	10°43	18°45	26°42	7°40	19°49	23°23	23°25	25° 3	n.a.	W18
T 19	5 32 13	23°42'06	3♎26	16°42	5°35	27°54	10°51	18°41	26°40	7°39	19°50	23°23	23°22	25° 9	n.a.	T 19
F 20	5 36 10	24°43'15	17°31	18°19	6°50	28°25	10°58	18°38	26°38	7°37	19°51	23°22	23°18	25°16	n.a.	F 20
S 21	5 40 6	25°44'23	1♏36	19°56	8° 5	28°56	11° 6	18°34	26°36	7°36	19°53	23°19	23°15	25°23	n.a.	S 21
S 22	5 44 3	26°45'31	15°37	21°34	9°20	29°27	11°13	18°31	26°34	7°34	19°54	23°12	23°12	25°29	n.a.	S 22
M23	5 47 59	27°46'39	29°34	23°12	10°35	29°58	11°20	18°27	26°32	7°32	19°55	23° 3	23° 9	25°36	n.a.	M23
T 24	5 51 56	28°47'45	13♐22	24°51	11°50	0♈30	11°27	18°24	26°29	7°31	19°56	22°51	23° 6	25°43	n.a.	T 24
W25	5 55 53	29°48'51	26°58	26°31	13° 5	1° 1	11°34	18°21	26°27	7°29	19°58	22°38	23° 2	25°49	n.a.	W25
T 26	5 59 49	0♑49'56	10♑17	28°11	14°21	1°33	11°40	18°18	26°25	7°28	19°59	22°25	22°59	25°56	n.a.	T 26
F 27	6 3 46	1°50'59	23°18	29°52	15°36	2° 5	11°47	18°15	26°23	7°26	20° 0	22°12	22°56	26° 2	n.a.	F 27
S 28	6 7 42	2°52'02	6♒ 1	1♑33	16°51	2°37	11°53	18°12	26°22	7°25	20° 1	22° 2	22°53	26° 9	n.a.	S 28
S 29	6 11 39	3°53'03	18°25	3°15	18° 6	3° 9	11°59	18°10	26°20	7°23	20° 2	21°55	22°50	26°16	n.a.	S 29
M30	6 15 35	4°54'03	0♓33	4°58	19°21	3°41	12° 6	18° 7	26°18	7°22	20° 3	21°51	22°47	26°22	n.a.	M30
T 31	6 19 32	5♑55'02	12♓30	6♑42	20♑36	4♈14	12♎11	18♉ 5	26♉16	7♊20	20♎ 4	21♍49	22♍43	26♓29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	21s27	14s21	3n33	17s16	0n27	23s16	0s39	4s32	0s13	2s 7	1n17	16n 4	1s56	19n44	0s 4	20n39	1s17	6n15	15n 2	2n 0	2n17	2s39			n.a.
M 2	21 37	11 31	2 42	17 47	0 19	23 28	0 41	4 19	0 11	2 11	1 17	16 3	1 56	19 44	0 4	20 39	1 17	6 14	15 2	2 1	2 18	2 37			n.a.
T 3	21 48	8 15	1 46	18 17	0 12	23 38	0 43	4 7	0 10	2 15	1 18	16 2	1 56	19 43	0 4	20 39	1 17	6 14	15 3	2 1	2 20	2 35			n.a.
W 4	21 58	4 41	0 45	18 47	0 5	23 48	0 45	3 54	0 8	2 18	1 18	16 1	1 56	19 43	0 4	20 38	1 17	6 13	15 3	2 1	2 21	2 33			n.a.
T 5	22 7	0 56	0s18	19 16	0s 2	23 58	0 48	3 42	0 6	2 22	1 18	16 0	1 56	19 42	0 4	20 38	1 17	6 13	15 3	2 1	2 22	2 32			n.a.
F 6	22 17	2n52	1 20	19 45	0 9	24 6	0 50	3 29	0 5	2 25	1 18	15 59	1 55	19 41	0 4	20 38	1 17	6 13	15 4	2 2	2 23	2 30			n.a.
S 7	22 25	6 36	2 19	20 13	0 16	24 14	0 52	3 16	0 3	2 29	1 18	15 58	1 55	19 41	0 4	20 37	1 17	6 13	15 4	2 3	2 25	2 28			n.a.
S 8	22 34	10 7	3 13	20 39	0 23	24 21	0 54	3 3	0 2	2 32	1 18	15 57	1 55	19 40	0 4	20 37	1 17	6 12	15 4	2 5	2 26	2 26			n.a.
M 9	22 41	13 16	3 58	21 5	0 30	24 28	0 56	2 50	0n 0	2 36	1 19	15 56	1 55	19 40	0 4	20 37	1 17	6 12	15 5	2 9	2 27	2 24			n.a.
T 10	22 49	15 52	4 33	21 31	0 36	24 33	0 57	2 37	0 2	2 39	1 19	15 55	1 55	19 39	0 4	20 37	1 17	6 12	15 5	2 13	2 29	2 22			n.a.
W11	22 56	17 43	4 54	21 55	0 42	24 38	0 59	2 24	0 3	2 42	1 19	15 54	1 55	19 39	0 4	20 36	1 17	6 11	15 6	2 18	2 30	2 21			n.a.
T 12	23 2	18 40	5 0	22 18	0 49	24 42	1 1	2 11	0 4	2 46	1 19	15 53	1 54	19 38	0 4	20 36	1 17	6 11	15 6	2 24	2 31	2 19			n.a.
F 13	23 8	18 33	4 49	22 40	0 55	24 45	1 3	1 58	0 6	2 49	1 19	15 52	1 54	19 38	0 4	20 36	1 17	6 11	15 6	2 29	2 32	2 17			n.a.
S 14	23 14	17 22	4 21	23 1	1 0	24 48	1 5	1 45	0 7	2 52	1 19	15 51	1 54	19 37	0 4	20 36	1 17	6 11	15 7	2 33	2 34	2 15			n.a.
S 15	23 19	15 9	3 38	23 21	1 6	24 50	1 6	1 32	0 9	2 55	1 20	15 50	1 54	19 36	0 4	20 35	1 17	6 11	15 7	2 36	2 35	2 13			n.a.
M16	23 23	12 2	2 41	23 40	1 12	24 51	1 8	1 18	0 10	2 58	1 20	15 49	1 54	19 36	0 4	20 35	1 17	6 10	15 7	2 38	2 36	2 11			n.a.
T 17	23 27	8 13	1 34	23 57	1 17	24 51	1 10	1 5	0 11	3 1	1 20	15 48	1 53	19 35	0 4	20 35	1 17	6 10	15 8	2 39	2 37	2 9			n.a.
W18	23 31	3 56	0 21	24 14	1 22	24 50	1 11	0 51	0 13	3 4	1 20	15 48	1 53	19 35	0 4	20 35	1 17	6 10	15 8	2 39	2 39	2 8			n.a.
T 19	23 34	0s34	0n53	24 29	1 27	24 49	1 13	0 38	0 14	3 7	1 20	15 47	1 53	19 34	0 4	20 34	1 17	6 10	15 9	2 39	2 40	2 6			n.a.
F 20	23 37	5 3	2 4	24 43	1 31	24 47	1 14	0 24	0 15	3 9	1 21	15 46	1 53	19 34	0 4	20 34	1 17	6 10	15 9	2 40	2 41	2 4			n.a.
S 21	23 39	9 14	3 7	24 55	1 35	24 44	1 16	0 11	0 16	3 12	1 21	15 45	1 52	19 33	0 4	20 34	1 17	6 10	15 9	2 41	2 43	2 2			n.a.
S 22	23 41	12 54	3 59	25 6	1 39	24 40	1 17	0n 3	0 18	3 15	1 21	15 45	1 52	19 33	0 4	20 34	1 17	6 10	15 10	2 44	2 44	2 0			n.a.
M23	23 42	15 48	4 36	25 16	1 43	24 36	1 18	0 17	0 19	3 17	1 21	15 44	1 52	19 32	0 4	20 33	1 17	6 10	15 10	2 47	2 45	1 58			n.a.
T 24	23 43	17 46	4 56	25 24	1 46	24 30	1 19	0 30	0 20	3 20	1 21	15 43	1 52	19 32	0 4	20 33	1 17	6 10	15 11	2 52	2 46	1 56			n.a.
W25	23 43	18 42	5 0	25 30	1 50	24 24	1 21	0 44	0 21	3 23	1 22	15 43	1 52	19 31	0 4	20 33	1 17	6 10	15 11	2 57	2 48	1 55			n.a.
T 26	23 43	18 34	4 46	25 35	1 52	24 18	1 22	0 58	0 22	3 25	1 22	15 42	1 51	19 31	0 4	20 33	1 17	6 10	15 12	3 3	2 49	1 53			n.a.
F 27	23 42	17 27	4 18	25 38	1 55	24 10	1 23	1 12	0 23	3 27	1 22	15 41	1 51	19 31	0 4	20 33	1 17	6 10	15 12	3 8	2 50	1 51			n.a.
S 28	23 41	15 29	3 37	25 40	1 57	24 2	1 24	1 25	0 24	3 30	1 22	15 41	1 51	19 30	0 4	20 32	1 17	6 10	15 12	3 12	2 51	1 49			n.a.
S 29	23 40	12 50	2 47	25 40	1 59	23 53	1 25	1 39	0 25	3 32	1 22	15 40	1 51	19 30	0 4	20 32	1 17	6 10	15 13	3 14	2 53	1 47			n.a.
M30	23 38	9 41	1 50	25 38	2 0	23 43	1 26	1 53	0 26	3 34	1 23	15 40	1 50	19 29	0 4	20 32	1 17	6 10	15 13	3 16	2 54	1 45			n.a.
T 31	23s35	6s11	0n49	25s34	2s 1	23s33	1s27	2n 7	0n28	3s36	1n23	15n39	1s50	19n29	0s 4	20n32	1s17	6n10	15n14	3n17	2n55	1s43			n.a.

Julian Day Number = 1634827.5, Delta T = 03h39m47s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'35, Lahiri = - 7°13'34 Julian Calendar 1 Dec. 238 BCE == Greg. Calendar 27 Nov. 238 BCE

The year -237 astronomical counting style corresponds to year 238 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

JANUARY 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 23 28	6♉55'59	24♓19	8♉26	21♉51	4♈46	12♎17	18°R 2	26°R14	7°R19	20♎ 5	21°D49	22♍40	26♓36	n.a.	W 1
T 2	6 27 25	7°56'55	6♈ 7	10°10	23° 6	5°19	12°23	18♉ 0	26♉12	7♊17	20° 6	21°R49	22°37	26°42	n.a.	T 2
F 3	6 31 22	8°57'49	17°58	11°56	24°21	5°52	12°28	17°58	26°11	7°16	20° 7	21♍49	22°34	26°49	n.a.	F 3
S 4	6 35 18	9°58'41	29°58	13°42	25°36	6°25	12°34	17°55	26° 9	7°15	20° 7	21°47	22°31	26°56	n.a.	S 4
S 5	6 39 15	10°59'33	12♉12	15°28	26°51	6°57	12°39	17°53	26° 7	7°13	20° 8	21°42	22°28	27° 2	n.a.	S 5
M 6	6 43 11	12° 0'22	24°45	17°15	28° 6	7°31	12°44	17°52	26° 6	7°12	20° 9	21°35	22°24	27° 9	n.a.	M 6
T 7	6 47 8	13° 1'10	7♊39	19° 3	29°20	8° 4	12°48	17°50	26° 4	7°11	20°10	21°26	22°21	27°16	n.a.	T 7
W 8	6 51 4	14° 1'57	20°56	20°51	0♒35	8°37	12°53	17°48	26° 3	7° 9	20°10	21°15	22°18	27°22	n.a.	W 8
T 9	6 55 1	15° 2'42	4♋35	22°39	1°50	9°10	12°57	17°47	26° 1	7° 8	20°11	21° 4	22°15	27°29	n.a.	T 9
F 10	6 58 57	16° 3'26	18°33	24°28	3° 5	9°44	13° 2	17°45	26° 0	7° 7	20°12	20°53	22°12	27°36	n.a.	F 10
S 11	7 2 54	17° 4'08	2♌46	26°16	4°20	10°17	13° 6	17°44	25°59	7° 6	20°12	20°44	22° 8	27°42	n.a.	S 11
S 12	7 6 51	18° 4'48	17° 7	28° 5	5°35	10°51	13°10	17°43	25°57	7° 4	20°13	20°37	22° 5	27°49	n.a.	S 12
M13	7 10 47	19° 5'28	1♍32	29°53	6°49	11°25	13°14	17°41	25°56	7° 3	20°13	20°33	22° 2	27°55	n.a.	M13
T 14	7 14 44	20° 6'05	15°55	1♒41	8° 4	11°58	13°17	17°40	25°55	7° 2	20°14	20°D31	21°59	28° 2	n.a.	T 14
W15	7 18 40	21° 6'42	0♎13	3°28	9°19	12°32	13°21	17°39	25°54	7° 1	20°14	20°31	21°56	28° 9	n.a.	W15
T 16	7 22 37	22° 7'17	14°24	5°14	10°33	13° 6	13°24	17°39	25°52	7° 0	20°15	20°32	21°53	28°15	n.a.	T 16
F 17	7 26 33	23° 7'51	28°25	6°59	11°48	13°40	13°27	17°38	25°51	6°59	20°15	20°R32	21°49	28°22	n.a.	F 17
S 18	7 30 30	24° 8'24	12♏18	8°41	13° 3	14°14	13°30	17°37	25°50	6°58	20°15	20°31	21°46	28°29	n.a.	S 18
S 19	7 34 26	25° 8'55	26° 1	10°22	14°17	14°48	13°32	17°37	25°49	6°57	20°16	20°27	21°43	28°35	n.a.	S 19
M20	7 38 23	26° 9'25	9♐33	12° 0	15°32	15°23	13°35	17°37	25°48	6°56	20°16	20°21	21°40	28°42	n.a.	M20
T 21	7 42 20	27° 9'53	22°55	13°34	16°46	15°57	13°37	17°36	25°48	6°55	20°16	20°12	21°37	28°49	n.a.	T 21
W22	7 46 16	28°10'20	6♑ 5	15° 5	18° 1	16°31	13°40	17°D36	25°47	6°54	20°16	20° 3	21°34	28°55	n.a.	W22
T 23	7 50 13	29°10'45	19° 1	16°31	19°15	17° 6	13°41	17°36	25°46	6°53	20°16	19°53	21°30	29° 2	n.a.	T 23
F 24	7 54 9	0♒11'08	1♒44	17°52	20°30	17°40	13°43	17°36	25°45	6°52	20°17	19°44	21°27	29° 9	n.a.	F 24
S 25	7 58 6	1°11'30	14°13	19° 7	21°44	18°15	13°45	17°37	25°45	6°51	20°17	19°37	21°24	29°15	n.a.	S 25
S 26	8 2 2	2°11'49	26°28	20°16	22°59	18°49	13°46	17°37	25°44	6°50	20°17	19°32	21°21	29°22	n.a.	S 26
M27	8 5 59	3°12'06	8♓32	21°18	24°13	19°24	13°48	17°38	25°43	6°49	20°R17	19°29	21°18	29°29	n.a.	M27
T 28	8 9 55	4°12'22	20°26	22°12	25°27	19°59	13°49	17°38	25°43	6°49	20°17	19°D29	21°14	29°35	n.a.	T 28
W29	8 13 52	5°12'35	2♈14	22°58	26°42	20°34	13°49	17°39	25°42	6°48	20°17	19°29	21°11	29°42	n.a.	W29
T 30	8 17 49	6°12'46	14° 1	23°36	27°56	21° 9	13°50	17°40	25°42	6°47	20°17	19°31	21° 8	29°48	n.a.	T 30
F 31	8 21 45	7♒12'55	25♈52	24♒ 4	29♒10	21♈44	13♎51	17♉41	25♉42	6♊46	20♎16	19♍32	21♍ 5	29♓55	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23s32	2s29	0s13	25s28	2s 2	23s22	1s27	2n21	0n29	3s38	1n23	15n39	1s50	19n28	0s 4	20n32	1s17	6n10	15n14	3n17	2n57	1s42			n.a.
T 2	23 29	1n18	1 15	25 21	2 2	23 10	1 28	2 35	0 29	3 40	1 23	15 38	1 50	19 28	0 4	20 31	1 17	6 10	15 15	3 17	2 58	1 40			n.a.
F 3	23 25	5 3	2 14	25 12	2 1	22 57	1 29	2 49	0 30	3 42	1 24	15 38	1 49	19 28	0 4	20 31	1 17	6 10	15 15	3 17	2 59	1 38			n.a.
S 4	23 20	8 39	3 8	25 0	2 1	22 44	1 29	3 3	0 31	3 44	1 24	15 38	1 49	19 27	0 4	20 31	1 17	6 10	15 16	3 18	3 0	1 36			n.a.
S 5	23 16	11 57	3 55	24 47	1 59	22 30	1 30	3 17	0 32	3 46	1 24	15 37	1 49	19 27	0 4	20 31	1 17	6 10	15 16	3 20	3 2	1 34			n.a.
M 6	23 10	14 48	4 31	24 32	1 57	22 16	1 30	3 31	0 33	3 48	1 24	15 37	1 49	19 26	0 4	20 31	1 17	6 10	15 17	3 22	3 3	1 32			n.a.
T 7	23 5	17 0	4 54	24 15	1 55	22 0	1 31	3 45	0 34	3 49	1 24	15 37	1 48	19 26	0 4	20 30	1 17	6 11	15 17	3 26	3 4	1 30			n.a.
W 8	22 58	18 22	5 3	23 56	1 52	21 44	1 31	3 59	0 35	3 51	1 25	15 37	1 48	19 26	0 4	20 30	1 17	6 11	15 17	3 30	3 5	1 29			n.a.
T 9	22 52	18 44	4 55	23 35	1 48	21 28	1 31	4 14	0 36	3 53	1 25	15 36	1 48	19 25	0 4	20 30	1 17	6 11	15 18	3 35	3 7	1 27			n.a.
F 10	22 45	17 59	4 29	23 11	1 44	21 11	1 31	4 28	0 37	3 54	1 25	15 36	1 48	19 25	0 4	20 30	1 16	6 11	15 18	3 39	3 8	1 25			n.a.
S 11	22 37	16 6	3 46	22 46	1 39	20 53	1 31	4 42	0 38	3 55	1 25	15 36	1 47	19 25	0 4	20 30	1 16	6 11	15 19	3 43	3 9	1 23			n.a.
S 12	22 29	13 13	2 48	22 19	1 34	20 35	1 32	4 56	0 38	3 57	1 26	15 36	1 47	19 25	0 4	20 29	1 16	6 12	15 19	3 46	3 10	1 21			n.a.
M13	22 21	9 30	1 40	21 50	1 28	20 16	1 31	5 10	0 39	3 58	1 26	15 36	1 47	19 24	0 4	20 29	1 16	6 12	15 20	3 47	3 12	1 19			n.a.
T 14	22 12	5 14	0 25	21 20	1 21	19 56	1 31	5 24	0 40	3 59	1 26	15 36	1 46	19 24	0 4	20 29	1 16	6 12	15 20	3 48	3 13	1 17			n.a.
W15	22 3	0 42	0n52	20 47	1 13	19 36	1 31	5 38	0 41	4 0	1 26	15 36	1 46	19 24	0 4	20 29	1 16	6 12	15 21	3 48	3 14	1 15			n.a.
T 16	21 53	3s50	2 4	20 13	1 4	19 15	1 31	5 52	0 42	4 1	1 26	15 36	1 46	19 23	0 4	20 29	1 16	6 13	15 21	3 48	3 16	1 14			n.a.
F 17	21 43	8 6	3 9	19 38	0 55	18 54	1 31	6 6	0 42	4 2	1 27	15 36	1 46	19 23	0 4	20 29	1 16	6 13	15 22	3 48	3 17	1 12			n.a.
S 18	21 32	11 53	4 1	19 2	0 45	18 32	1 30	6 20	0 43	4 3	1 27	15 36	1 45	19 23	0 4	20 29	1 16	6 13	15 22	3 48	3 18	1 10			n.a.
S 19	21 21	14 58	4 39	18 24	0 35	18 10	1 30	6 34	0 44	4 4	1 27	15 36	1 45	19 23	0 4	20 28	1 16	6 14	15 23	3 50	3 19	1 8			n.a.
M20	21 10	17 11	5 1	17 46	0 23	17 47	1 29	6 48	0 45	4 5	1 27	15 37	1 45	19 23	0 4	20 28	1 16	6 14	15 23	3 52	3 21	1 6			n.a.
T 21	20 58	18 26	5 6	17 7	0 11	17 24	1 29	7 2	0 45	4 6	1 28	15 37	1 45	19 22	0 4	20 28	1 16	6 14	15 24	3 55	3 22	1 4			n.a.
W22	20 46	18 41	4 54	16 28	0n 2	17 1	1 28	7 16	0 46	4 6	1 28	15 37	1 44	19 22	0 4	20 28	1 16	6 15	15 24	3 59	3 23	1 2			n.a.
T 23	20 34	17 56	4 28	15 49	0 16	16 36	1 28	7 30	0 47	4 7	1 28	15 37	1 44	19 22	0 4	20 28	1 16	6 15	15 25	4 3	3 24	1 0			n.a.
F 24	20 21	16 18	3 49	15 11	0 30	16 12	1 27	7 44	0 47	4 7	1 28	15 38	1 44	19 22	0 4	20 28	1 16	6 15	15 25	4 7	3 26	0 59			n.a.
S 25	20 8	13 55	2 59	14 34	0 44	15 47	1 26	7 58	0 48	4 8	1 29	15 38	1 43	19 22	0 4	20 28	1 16	6 16	15 26	4 9	3 27	0 57			n.a.
S 26	19 54	10 56	2 1	13 58	0 59	15 21	1 25	8 12	0 49	4 8	1 29	15 38	1 43	19 22	0 4	20 28	1 16	6 16	15 26	4 11	3 28	0 55			n.a.
M27	19 40	7 33	0 59	13 24	1 15	14 55	1 24	8 26	0 49	4 8	1 29	15 39	1 43	19 21	0 4	20 28	1 16	6 17	15 26	4 13	3 29	0 53			n.a.
T 28	19 26	3 55	0s 5	12 51	1 30	14 29	1 23	8 40	0 50	4 8	1 29	15 39	1 43	19 21	0 4	20 28	1 16	6 17	15 27	4 13	3 31	0 51			n.a.
W29	19 11	0 9	1 9	12 22	1 46	14 3	1 22	8 54	0 50	4 9	1 30	15 39	1 42	19 21	0 4	20 27	1 16	6 18	15 27	4 12	3 32	0 49			n.a.
T 30	18 56	3n37	2 9	11 55	2 1	13 36	1 21	9 8	0 51	4 9	1 30	15 40	1 42	19 21	0 4	20 27	1 16	6 18	15 28	4 12	3 33	0 47			n.a.
F 31	18s41	7n14	3s 5	11s31	2n16	13s 8	1s19	9n22	0n52	4s 9	1n30	15n40	1s42	19n21	0s 4	20n27	1s16	6n19	15n28	4n11	3n35	0s46			n.a.

Julian Day Number = 1634858.5, Delta T = 03h39m46s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'30, Lahiri = - 7°13'30 Julian Calendar 1 Jan. 237 BCE == Greg. Calendar 28 Dec. 238 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

FEBRUARY 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 25 42	8♒13'02	7♉51	24♒24	0♓24	22♈19	13♎51	17♉42	25°R41	6°R46	20°R16	19°R33	21♍ 2	0♈ 2	n.a.	S 1
S 2	8 29 38	9°13'07	20° 3	24°33	1°38	22°54	13°R51	17°43	25♉41	6♊45	20♎16	19♍32	20°59	0° 8	n.a.	S 2
M 3	8 33 35	10°13'09	2♊35	24°R34	2°53	23°29	13°51	17°44	25°41	6°45	20°16	19°30	20°55	0°15	n.a.	M 3
T 4	8 37 31	11°13'09	15°29	24°25	4° 7	24° 4	13°50	17°45	25°41	6°44	20°16	19°26	20°52	0°22	n.a.	T 4
W 5	8 41 28	12°13'07	28°48	24° 8	5°21	24°39	13°50	17°47	25°41	6°44	20°15	19°21	20°49	0°28	n.a.	W 5
T 6	8 45 24	13°13'03	12♋34	23°42	6°35	25°14	13°49	17°48	25°D41	6°43	20°15	19°15	20°46	0°35	n.a.	T 6
F 7	8 49 21	14°12'57	26°44	23° 8	7°49	25°49	13°49	17°50	25°41	6°43	20°14	19° 9	20°43	0°42	n.a.	F 7
S 8	8 53 18	15°12'48	11♌14	22°27	9° 3	26°25	13°47	17°52	25°41	6°42	20°14	19° 4	20°39	0°48	n.a.	S 8
S 9	8 57 14	16°12'37	25°58	21°41	10°16	27° 0	13°46	17°54	25°41	6°42	20°14	19° 1	20°36	0°55	n.a.	S 9
M10	9 1 11	17°12'24	10♍49	20°50	11°30	27°36	13°45	17°56	25°41	6°41	20°13	18°59	20°33	1° 2	n.a.	M10
T 11	9 5 7	18°12'10	25°38	19°55	12°44	28°11	13°43	17°58	25°41	6°41	20°13	18°D59	20°30	1° 8	n.a.	T 11
W12	9 9 4	19°11'53	10♎20	18°58	13°58	28°46	13°41	18° 0	25°41	6°41	20°12	19° 0	20°27	1°15	n.a.	W12
T 13	9 13 0	20°11'34	24°48	18° 1	15°11	29°22	13°40	18° 3	25°42	6°41	20°12	19° 2	20°24	1°22	n.a.	T 13
F 14	9 16 57	21°11'14	9♏ 1	17° 3	16°25	29°57	13°37	18° 5	25°42	6°40	20°11	19° 3	20°20	1°28	n.a.	F 14
S 15	9 20 53	22°10'52	22°55	16° 8	17°39	0♉33	13°35	18° 8	25°43	6°40	20°10	19°R 4	20°17	1°35	n.a.	S 15
S 16	9 24 50	23°10'28	6♐32	15°15	18°52	1° 9	13°33	18°10	25°43	6°40	20°10	19° 3	20°14	1°41	n.a.	S 16
M17	9 28 46	24°10'02	19°52	14°25	20° 6	1°44	13°30	18°13	25°44	6°40	20° 9	19° 1	20°11	1°48	n.a.	M17
T 18	9 32 43	25° 9'35	2♑55	13°40	21°19	2°20	13°27	18°16	25°44	6°40	20° 8	18°58	20° 8	1°55	n.a.	T 18
W19	9 36 40	26° 9'06	15°44	13° 0	22°33	2°56	13°24	18°19	25°45	6°40	20° 7	18°55	20° 5	2° 1	n.a.	W19
T 20	9 40 36	27° 8'34	28°20	12°25	23°46	3°31	13°21	18°22	25°46	6°D40	20° 7	18°51	20° 1	2° 8	n.a.	T 20
F 21	9 44 33	28° 8'01	10♒43	11°56	25° 0	4° 7	13°17	18°25	25°46	6°40	20° 6	18°48	19°58	2°15	n.a.	F 21
S 22	9 48 29	29° 7'25	22°56	11°33	26°13	4°43	13°14	18°28	25°47	6°40	20° 5	18°45	19°55	2°21	n.a.	S 22
S 23	9 52 26	0♓ 6'47	5♓ 0	11°15	27°26	5°19	13°10	18°32	25°48	6°40	20° 4	18°43	19°52	2°28	n.a.	S 23
M24	9 56 22	1° 6'08	16°56	11° 4	28°39	5°55	13° 6	18°35	25°49	6°40	20° 3	18°D43	19°49	2°35	n.a.	M24
T 25	10 0 19	2° 5'26	28°46	10°D59	29°53	6°31	13° 2	18°39	25°50	6°40	20° 2	18°43	19°45	2°41	n.a.	T 25
W26	10 4 15	3° 4'41	10♈33	11° 0	1♈ 6	7° 7	12°58	18°43	25°51	6°40	20° 1	18°44	19°42	2°48	n.a.	W26
T 27	10 8 12	4° 3'54	22°21	11° 6	2°19	7°42	12°53	18°46	25°52	6°41	20° 0	18°45	19°39	2°55	n.a.	T 27
F 28	10 12 9	5° 3'05	4♉12	11°17	3°32	8°18	12°49	18°50	25°53	6°41	19°59	18°47	19°36	3° 1	n.a.	F 28
S 29	10 16 5	6♓ 2'14	16♉11	11♒34	4♈45	8♉54	12♎44	18♉54	25♉54	6♊41	19♎58	18♍48	19♍33	3♈ 8	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s26	10n37	3s53	11s11	2n31	12s41	1s18	9n35	0n52	4s 8	1n30	15n41	1s42	19n21	0s 4	20n27	1s16	6n19	15n29	4n11	3n36	0s44		n.a.
S 2	18 10	13 36	4 31	10 54	2 45	12 13	1 17	9 49	0 53	4 8	1 30	15 42	1 41	19 21	0 4	20 27	1 15	6 20	15 29	4 11	3 37	0 42		n.a.
M 3	17 53	16 3	4 58	10 42	2 58	11 44	1 15	10 3	0 53	4 8	1 31	15 42	1 41	19 21	0 4	20 27	1 15	6 20	15 30	4 12	3 38	0 40		n.a.
T 4	17 37	17 46	5 11	10 33	3 10	11 16	1 14	10 16	0 54	4 8	1 31	15 43	1 41	19 21	0 4	20 27	1 15	6 21	15 30	4 14	3 40	0 38		n.a.
W 5	17 20	18 36	5 7	10 29	3 20	10 47	1 12	10 30	0 54	4 7	1 31	15 44	1 40	19 21	0 4	20 27	1 15	6 21	15 31	4 16	3 41	0 36		n.a.
T 6	17 3	18 22	4 46	10 29	3 30	10 18	1 11	10 44	0 55	4 7	1 31	15 44	1 40	19 21	0 4	20 27	1 15	6 22	15 31	4 18	3 42	0 34		n.a.
F 7	16 45	17 1	4 7	10 33	3 37	9 48	1 9	10 57	0 55	4 6	1 32	15 45	1 40	19 21	0 4	20 27	1 15	6 22	15 31	4 21	3 43	0 32		n.a.
S 8	16 28	14 32	3 12	10 40	3 43	9 19	1 7	11 11	0 56	4 6	1 32	15 46	1 40	19 21	0 4	20 27	1 15	6 23	15 32	4 22	3 45	0 30		n.a.
S 9	16 10	11 5	2 3	10 52	3 47	8 49	1 5	11 24	0 56	4 5	1 32	15 47	1 39	19 21	0 4	20 27	1 15	6 23	15 32	4 24	3 46	0 29		n.a.
M10	15 52	6 55	0 45	11 6	3 49	8 19	1 4	11 37	0 57	4 4	1 32	15 47	1 39	19 21	0 3	20 27	1 15	6 24	15 33	4 24	3 47	0 27		n.a.
T 11	15 33	2 19	0n36	11 24	3 49	7 48	1 2	11 51	0 57	4 3	1 33	15 48	1 39	19 21	0 3	20 27	1 15	6 24	15 33	4 24	3 48	0 25		n.a.
W12	15 14	2s23	1 55	11 43	3 47	7 18	1 0	12 4	0 58	4 3	1 33	15 49	1 39	19 21	0 3	20 27	1 15	6 25	15 34	4 24	3 50	0 23		n.a.
T 13	14 55	6 52	3 4	12 5	3 43	6 47	0 58	12 17	0 58	4 2	1 33	15 50	1 38	19 21	0 3	20 27	1 15	6 26	15 34	4 23	3 51	0 21		n.a.
F 14	14 36	10 52	4 1	12 28	3 37	6 16	0 55	12 30	0 59	4 0	1 33	15 51	1 38	19 21	0 3	20 27	1 15	6 26	15 34	4 23	3 52	0 19		n.a.
S 15	14 17	14 10	4 43	12 52	3 29	5 45	0 53	12 43	0 59	3 59	1 33	15 52	1 38	19 21	0 3	20 27	1 15	6 27	15 35	4 23	3 53	0 17		n.a.
S 16	13 57	16 37	5 7	13 17	3 20	5 14	0 51	12 56	1 0	3 58	1 34	15 53	1 38	19 22	0 3	20 27	1 15	6 27	15 35	4 23	3 55	0 15		n.a.
M17	13 37	18 6	5 15	13 41	3 9	4 43	0 49	13 9	1 0	3 57	1 34	15 54	1 37	19 22	0 3	20 27	1 15	6 28	15 36	4 24	3 56	0 14		n.a.
T 18	13 17	18 36	5 5	14 5	2 57	4 11	0 47	13 22	1 0	3 56	1 34	15 55	1 37	19 22	0 3	20 27	1 15	6 29	15 36	4 25	3 57	0 12		n.a.
W19	12 57	18 8	4 41	14 29	2 44	3 40	0 44	13 35	1 1	3 54	1 34	15 56	1 37	19 22	0 3	20 27	1 15	6 29	15 36	4 26	3 59	0 10		n.a.
T 20	12 36	16 46	4 3	14 52	2 31	3 8	0 42	13 48	1 1	3 53	1 34	15 57	1 37	19 22	0 3	20 27	1 15	6 30	15 37	4 28	4 0	0 8		n.a.
F 21	12 16	14 38	3 15	15 14	2 17	2 37	0 39	14 0	1 2	3 51	1 35	15 58	1 36	19 22	0 3	20 27	1 15	6 31	15 37	4 29	4 1	0 6		n.a.
S 22	11 55	11 52	2 18	15 34	2 2	2 5	0 37	14 13	1 2	3 50	1 35	15 59	1 36	19 23	0 3	20 27	1 14	6 31	15 38	4 30	4 2	0 4		n.a.
S 23	11 34	8 38	1 15	15 53	1 48	1 33	0 34	14 26	1 2	3 48	1 35	16 1	1 36	19 23	0 3	20 27	1 14	6 32	15 38	4 31	4 4	0 2		n.a.
M24	11 13	5 4	0 10	16 10	1 33	1 1	0 32	14 38	1 3	3 46	1 35	16 2	1 36	19 23	0 3	20 27	1 14	6 33	15 38	4 31	4 5	0 0		n.a.
T 25	10 51	1 21	0s55	16 25	1 18	0 30	0 29	14 50	1 3	3 45	1 35	16 3	1 35	19 23	0 3	20 27	1 14	6 33	15 39	4 31	4 6	0n 1		n.a.
W26	10 30	2n25	1 58	16 39	1 4	0n 2	0 26	15 3	1 4	3 43	1 36	16 4	1 35	19 24	0 3	20 28	1 14	6 34	15 39	4 30	4 7	0 3		n.a.
T 27	10 8	6 5	2 56	16 51	0 49	0 34	0 24	15 15	1 4	3 41	1 36	16 6	1 35	19 24	0 3	20 28	1 14	6 35	15 39	4 30	4 9	0 5		n.a.
F 28	9 46	9 31	3 46	17 2	0 35	1 6	0 21	15 27	1 4	3 39	1 36	16 7	1 35	19 24	0 3	20 28	1 14	6 35	15 40	4 29	4 10	0 7		n.a.
S 29	9s24	12n36	4s28	17s10	0n22	1n38	0s18	15n39	1n 5	3s37	1n36	16n 8	1s34	19n24	0s 3	20n28	1s14	6n36	15n40	4n29	4n11	0n 9		n.a.

Julian Day Number = 1634889.5, Delta T = 03h39m45s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'26, Lahiri = - 7°13'26 Julian Calendar 1 Feb. 237 BCE == Greg. Calendar 28 Jan. 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

MARCH 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 20 2	7♓ 1'20	28♉23	11♒56	5♈58	9♉31	12°R39	18♉58	25♉55	6♊41	19°R57	18♍49	19♍30	3♈15	n.a.	S 1
M 2	10 23 58	8° 0'24	10♊51	12°22	7°10	10° 7	12♎34	19° 2	25°57	6°42	19♎56	18°R49	19°26	3°21	n.a.	M 2
T 3	10 27 55	8°59'26	23°40	12°52	8°23	10°43	12°29	19° 7	25°58	6°42	19°55	18°48	19°23	3°28	n.a.	T 3
W 4	10 31 51	9°58'25	6♋54	13°27	9°36	11°19	12°24	19°11	25°59	6°43	19°54	18°48	19°20	3°34	n.a.	W 4
T 5	10 35 48	10°57'22	20°35	14° 6	10°49	11°55	12°18	19°15	26° 1	6°43	19°52	18°47	19°17	3°41	n.a.	T 5
F 6	10 39 44	11°56'16	4♌43	14°49	12° 1	12°31	12°13	19°20	26° 2	6°43	19°51	18°46	19°14	3°48	n.a.	F 6
S 7	10 43 41	12°55'08	19°16	15°35	13°14	13° 7	12° 7	19°24	26° 4	6°44	19°50	18°45	19°11	3°54	n.a.	S 7
S 8	10 47 37	13°53'58	4♍ 8	16°25	14°26	13°43	12° 1	19°29	26° 5	6°45	19°49	18°45	19° 7	4° 1	n.a.	S 8
M 9	10 51 34	14°52'45	19°13	17°18	15°39	14°20	11°55	19°34	26° 7	6°45	19°48	18°D45	19° 4	4° 8	n.a.	M 9
T 10	10 55 31	15°51'31	4♎22	18°14	16°51	14°56	11°49	19°39	26° 8	6°46	19°46	18°45	19° 1	4°14	n.a.	T 10
W11	10 59 27	16°50'14	19°26	19°13	18° 3	15°32	11°43	19°43	26°10	6°46	19°45	18°45	18°58	4°21	n.a.	W11
T 12	11 3 24	17°48'56	4♏15	20°15	19°15	16° 8	11°36	19°48	26°12	6°47	19°44	18°45	18°55	4°28	n.a.	T 12
F 13	11 7 20	18°47'36	18°45	21°19	20°28	16°45	11°30	19°54	26°14	6°48	19°42	18°R45	18°51	4°34	n.a.	F 13
S 14	11 11 17	19°46'14	2♐52	22°26	21°40	17°21	11°23	19°59	26°16	6°49	19°41	18°45	18°48	4°41	n.a.	S 14
S 15	11 15 13	20°44'50	16°34	23°35	22°52	17°57	11°17	20° 4	26°17	6°49	19°39	18°D45	18°45	4°48	n.a.	S 15
M16	11 19 10	21°43'25	29°52	24°47	24° 4	18°33	11°10	20° 9	26°19	6°50	19°38	18°45	18°42	4°54	n.a.	M16
T 17	11 23 6	22°41'58	12♑48	26° 1	25°15	19°10	11° 3	20°15	26°21	6°51	19°37	18°45	18°39	5° 1	n.a.	T 17
W18	11 27 3	23°40'29	25°26	27°17	26°27	19°46	10°56	20°20	26°23	6°52	19°35	18°46	18°36	5° 8	n.a.	W18
T 19	11 31 0	24°38'58	7♒48	28°35	27°39	20°23	10°49	20°26	26°25	6°53	19°34	18°46	18°32	5°14	n.a.	T 19
F 20	11 34 56	25°37'26	19°57	29°56	28°51	20°59	10°42	20°31	26°27	6°54	19°32	18°47	18°29	5°21	n.a.	F 20
S 21	11 38 53	26°35'52	1♓57	1♓18	0♉ 2	21°35	10°35	20°37	26°30	6°55	19°31	18°48	18°26	5°28	n.a.	S 21
S 22	11 42 49	27°34'15	13°51	2°42	1°14	22°12	10°28	20°42	26°32	6°56	19°29	18°R48	18°23	5°34	n.a.	S 22
M23	11 46 46	28°32'37	25°41	4° 9	2°25	22°48	10°20	20°48	26°34	6°57	19°28	18°48	18°20	5°41	n.a.	M23
T 24	11 50 42	29°30'57	7♈28	5°37	3°37	23°25	10°13	20°54	26°36	6°58	19°26	18°47	18°16	5°47	n.a.	T 24
W25	11 54 39	0♈29'15	19°16	7° 7	4°48	24° 1	10° 6	21° 0	26°39	6°59	19°25	18°46	18°13	5°54	n.a.	W25
T 26	11 58 35	1°27'32	1♉ 6	8°39	5°59	24°38	9°58	21° 6	26°41	7° 0	19°23	18°44	18°10	6° 1	n.a.	T 26
F 27	12 2 32	2°25'46	13° 2	10°12	7°10	25°14	9°51	21°12	26°43	7° 1	19°21	18°42	18° 7	6° 7	n.a.	F 27
S 28	12 6 28	3°23'58	25° 5	11°48	8°22	25°51	9°43	21°18	26°46	7° 2	19°20	18°40	18° 4	6°14	n.a.	S 28
S 29	12 10 25	4°22'08	7♊20	13°25	9°33	26°27	9°35	21°24	26°48	7° 3	19°18	18°38	18° 1	6°21	n.a.	S 29
M30	12 14 22	5°20'16	19°49	15° 4	10°43	27° 4	9°28	21°31	26°51	7° 5	19°17	18°37	17°57	6°27	n.a.	M30
T 31	12 18 18	6♈18'22	2♋35	16♓45	11♉54	27♉40	9♎20	21♉37	26♉53	7♊ 6	19♎15	18°D36	17♍54	6♈34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	9s 2	15n12	4s58	17s17	0n 8	2n10	0s15	15n51	1n 5	3s35	1n36	16n10	1s34	19n25	0s 3	20n28	1s14	6n37	15n40	4n29	4n12	0n11			n.a.
M 2	8 40	17 9	5 15	17 22	0s 4	2 41	0 12	16 3	1 5	3 33	1 36	16 11	1 34	19 25	0 3	20 28	1 14	6 37	15 41	4 29	4 14	0 13			n.a.
T 3	8 18	18 18	5 16	17 25	0 17	3 13	0 10	16 15	1 6	3 31	1 36	16 12	1 34	19 25	0 3	20 28	1 14	6 38	15 41	4 29	4 15	0 15			n.a.
W 4	7 55	18 31	5 2	17 26	0 29	3 45	0 7	16 27	1 6	3 28	1 37	16 14	1 33	19 26	0 3	20 28	1 14	6 39	15 41	4 29	4 16	0 17			n.a.
T 5	7 33	17 40	4 30	17 26	0 40	4 16	0 4	16 38	1 6	3 26	1 37	16 15	1 33	19 26	0 3	20 28	1 14	6 40	15 42	4 29	4 17	0 18			n.a.
F 6	7 10	15 44	3 41	17 23	0 51	4 48	0 1	16 50	1 6	3 24	1 37	16 17	1 33	19 26	0 3	20 29	1 14	6 40	15 42	4 30	4 19	0 20			n.a.
S 7	6 47	12 44	2 37	17 19	1 1	5 19	0n 2	17 1	1 7	3 21	1 37	16 18	1 33	19 27	0 3	20 29	1 14	6 41	15 42	4 30	4 20	0 22			n.a.
S 8	6 24	8 52	1 20	17 14	1 11	5 50	0 5	17 12	1 7	3 19	1 37	16 20	1 32	19 27	0 3	20 29	1 14	6 42	15 42	4 30	4 21	0 24			n.a.
M 9	6 1	4 21	0n 3	17 6	1 20	6 21	0 8	17 24	1 7	3 16	1 37	16 21	1 32	19 28	0 3	20 29	1 14	6 42	15 43	4 30	4 23	0 26			n.a.
T 10	5 38	0s27	1 26	16 57	1 29	6 52	0 11	17 35	1 8	3 14	1 37	16 23	1 32	19 28	0 3	20 29	1 14	6 43	15 43	4 30	4 24	0 28			n.a.
W11	5 15	5 11	2 43	16 46	1 37	7 23	0 14	17 46	1 8	3 11	1 38	16 24	1 32	19 28	0 3	20 29	1 14	6 44	15 43	4 30	4 25	0 30			n.a.
T 12	4 52	9 31	3 47	16 34	1 45	7 54	0 17	17 57	1 8	3 9	1 38	16 26	1 32	19 29	0 3	20 29	1 13	6 45	15 43	4 30	4 26	0 32			n.a.
F 13	4 29	13 11	4 36	16 19	1 52	8 24	0 21	18 8	1 8	3 6	1 38	16 27	1 31	19 29	0 3	20 30	1 13	6 45	15 44	4 30	4 28	0 33			n.a.
S 14	4 6	15 58	5 6	16 3	1 58	8 54	0 24	18 18	1 9	3 4	1 38	16 29	1 31	19 30	0 3	20 30	1 13	6 46	15 44	4 30	4 29	0 35			n.a.
S 15	3 43	17 46	5 18	15 46	2 4	9 24	0 27	18 29	1 9	3 1	1 38	16 30	1 31	19 30	0 3	20 30	1 13	6 47	15 44	4 30	4 30	0 37			n.a.
M16	3 19	18 31	5 12	15 27	2 9	9 54	0 30	18 39	1 9	2 58	1 38	16 32	1 31	19 31	0 3	20 30	1 13	6 47	15 44	4 30	4 31	0 39			n.a.
T 17	2 56	18 17	4 51	15 6	2 14	10 24	0 33	18 50	1 9	2 55	1 38	16 34	1 30	19 31	0 3	20 30	1 13	6 48	15 45	4 30	4 33	0 41			n.a.
W18	2 32	17 7	4 15	14 43	2 18	10 53	0 36	19 0	1 10	2 53	1 38	16 35	1 30	19 32	0 3	20 31	1 13	6 49	15 45	4 30	4 34	0 43			n.a.
T 19	2 9	15 10	3 29	14 19	2 22	11 22	0 39	19 10	1 10	2 50	1 38	16 37	1 30	19 32	0 3	20 31	1 13	6 50	15 45	4 30	4 35	0 45			n.a.
F 20	1 46	12 34	2 34	13 54	2 25	11 51	0 42	19 20	1 10	2 47	1 38	16 39	1 30	19 33	0 3	20 31	1 13	6 50	15 45	4 29	4 36	0 47			n.a.
S 21	1 22	9 28	1 32	13 26	2 28	12 20	0 45	19 30	1 10	2 44	1 38	16 40	1 30	19 33	0 3	20 31	1 13	6 51	15 45	4 29	4 38	0 49			n.a.
S 22	0 59	6 0	0 27	12 57	2 30	12 48	0 49	19 40	1 10	2 41	1 38	16 42	1 29	19 34	0 3	20 31	1 13	6 52	15 45	4 29	4 39	0 50			n.a.
M23	0 35	2 19	0s38	12 27	2 31	13 16	0 52	19 50	1 11	2 38	1 38	16 44	1 29	19 34	0 3	20 32	1 13	6 52	15 46	4 29	4 40	0 52			n.a.
T 24	0 12	1n26	1 42	11 55	2 32	13 43	0 55	19 59	1 11	2 35	1 38	16 46	1 29	19 35	0 3	20 32	1 13	6 53	15 46	4 29	4 41	0 54			n.a.
W25	0n12	5 9	2 41	11 22	2 33	14 11	0 58	20 9	1 11	2 32	1 38	16 47	1 29	19 35	0 3	20 32	1 13	6 54	15 46	4 30	4 43	0 56			n.a.
T 26	0 35	8 40	3 34	10 47	2 33	14 38	1 1	20 18	1 11	2 29	1 38	16 49	1 29	19 36	0 3	20 32	1 13	6 54	15 46	4 30	4 44	0 58			n.a.
F 27	0 59	11 51	4 17	10 10	2 32	15 4	1 4	20 27	1 11	2 26	1 38	16 51	1 28	19 36	0 3	20 33	1 13	6 55	15 46	4 31	4 45	1 0			n.a.
S 28	1 22	14 34	4 50	9 32	2 31	15 31	1 7	20 36	1 12	2 23	1 38	16 53	1 28	19 37	0 3	20 33	1 13	6 56	15 46	4 32	4 46	1 2			n.a.
S 29	1 45	16 41	5 10	8 53	2 29	15 57	1 10	20 45	1 12	2 20	1 38	16 55	1 28	19 37	0 3	20 33	1 13	6 57	15 46	4 33	4 48	1 4			n.a.
M30	2 9	18 4	5 16	8 12	2 27	16 22	1 13	20 54	1 12	2 17	1 38	16 56	1 28	19 38	0 3	20 33	1 13	6 57	15 46	4 33	4 49	1 6			n.a.
T 31	2n32	18n35	5s 7	7s29	2s24	16n47	1n16	21n 3	1n12	2s14	1n38	16n58	1s28	19n39	0s 3	20n34	1s13	6n58	15n47	4n33	4n50	1n 7			n.a.

Julian Day Number = 1634918.5, Delta T = 03h39m44s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'22, Lahiri = - 7°13'22 Julian Calendar 1 March 237 BCE == Greg. Calendar 26 Feb. 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

APRIL 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 22 15	7♈16'26	15♋43	18♓28	13♉ 5	28♉17	9°R13	21♉43	26♉56	7♊ 7	19°R13	18♍37	17♍51	6♈41	n.a.	W 1
T 2	12 26 11	8°14'28	29°15	20°13	14°16	28°54	9♎ 5	21°50	26°58	7° 9	19♎12	18°38	17°48	6°47	n.a.	T 2
F 3	12 30 8	9°12'28	13♌12	21°59	15°26	29°30	8°57	21°56	27° 1	7°10	19°10	18°39	17°45	6°54	n.a.	F 3
S 4	12 34 4	10°10'26	27°35	23°48	16°37	0♊ 7	8°50	22° 3	27° 4	7°11	19° 9	18°40	17°42	7° 1	n.a.	S 4
S 5	12 38 1	11° 8'22	12♍21	25°38	17°47	0°43	8°42	22° 9	27° 6	7°13	19° 7	18°R41	17°38	7° 7	n.a.	S 5
M 6	12 41 57	12° 6'16	27°24	27°30	18°57	1°20	8°34	22°16	27° 9	7°14	19° 5	18°41	17°35	7°14	n.a.	M 6
T 7	12 45 54	13° 4'08	12♎36	29°24	20° 8	1°57	8°27	22°23	27°12	7°15	19° 4	18°40	17°32	7°21	n.a.	T 7
W 8	12 49 51	14° 1'59	27°49	1♈19	21°18	2°33	8°19	22°29	27°15	7°17	19° 2	18°37	17°29	7°27	n.a.	W 8
T 9	12 53 47	14°59'48	12♏52	3°17	22°28	3°10	8°12	22°36	27°17	7°18	19° 0	18°34	17°26	7°34	n.a.	T 9
F 10	12 57 44	15°57'36	27°36	5°16	23°38	3°47	8° 4	22°43	27°20	7°20	18°59	18°30	17°22	7°41	n.a.	F 10
S 11	13 1 40	16°55'23	11♐55	7°17	24°47	4°23	7°57	22°50	27°23	7°21	18°57	18°27	17°19	7°47	n.a.	S 11
S 12	13 5 37	17°53'08	25°47	9°19	25°57	5° 0	7°49	22°57	27°26	7°23	18°55	18°24	17°16	7°54	n.a.	S 12
M13	13 9 33	18°50'52	9♑10	11°23	27° 7	5°37	7°42	23° 4	27°29	7°25	18°53	18°22	17°13	8° 1	n.a.	M13
T 14	13 13 30	19°48'35	22° 8	13°29	28°16	6°13	7°34	23°11	27°32	7°26	18°52	18°D22	17°10	8° 7	n.a.	T 14
W15	13 17 26	20°46'16	4♒43	15°36	29°25	6°50	7°27	23°18	27°35	7°28	18°50	18°22	17° 7	8°14	n.a.	W15
T 16	13 21 23	21°43'57	16°59	17°44	0♓35	7°27	7°20	23°25	27°38	7°30	18°48	18°24	17° 3	8°21	n.a.	T 16
F 17	13 25 20	22°41'36	29° 2	19°54	1°44	8° 4	7°13	23°32	27°41	7°31	18°47	18°26	17° 0	8°27	n.a.	F 17
S 18	13 29 16	23°39'14	10♓55	22° 4	2°53	8°40	7° 5	23°39	27°44	7°33	18°45	18°27	16°57	8°34	n.a.	S 18
S 19	13 33 13	24°36'51	22°44	24°15	4° 2	9°17	6°58	23°47	27°47	7°35	18°43	18°R27	16°54	8°40	n.a.	S 19
M20	13 37 9	25°34'27	4♈30	26°26	5°11	9°54	6°51	23°54	27°50	7°36	18°42	18°26	16°51	8°47	n.a.	M20
T 21	13 41 6	26°32'01	16°18	28°37	6°19	10°31	6°45	24° 1	27°54	7°38	18°40	18°23	16°47	8°54	n.a.	T 21
W22	13 45 2	27°29'34	28°10	0♉48	7°28	11° 8	6°38	24° 8	27°57	7°40	18°38	18°18	16°44	9° 0	n.a.	W22
T 23	13 48 59	28°27'06	10♉ 7	2°59	8°37	11°45	6°31	24°16	28° 0	7°42	18°37	18°11	16°41	9° 7	n.a.	T 23
F 24	13 52 55	29°24'37	22°11	5° 9	9°45	12°21	6°25	24°23	28° 3	7°44	18°35	18° 4	16°38	9°14	n.a.	F 24
S 25	13 56 52	0♉22'06	4♊24	7°18	10°53	12°58	6°18	24°31	28° 6	7°45	18°33	17°56	16°35	9°20	n.a.	S 25
S 26	14 0 48	1°19'35	16°47	9°26	12° 1	13°35	6°12	24°38	28°10	7°47	18°32	17°49	16°32	9°27	n.a.	S 26
M27	14 4 45	2°17'01	29°23	11°33	13° 9	14°12	6° 5	24°46	28°13	7°49	18°30	17°43	16°28	9°34	n.a.	M27
T 28	14 8 42	3°14'27	12♋13	13°38	14°17	14°49	5°59	24°53	28°16	7°51	18°29	17°40	16°25	9°40	n.a.	T 28
W29	14 12 38	4°11'51	25°21	15°41	15°25	15°26	5°53	25° 1	28°20	7°53	18°27	17°37	16°22	9°47	n.a.	W29
T 30	14 16 35	5♉ 9'14	8♌47	17♉42	16♊32	16♊ 3	5♎47	25♉ 8	28♉23	7♊55	18♎25	17°D37	16♍19	9♈54	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n55	18n 7	4s42	6s46	2s20	17n12	1n19	21n11	1n12	2s11	1n38	17n 0	1s28	19n39	0s 3	20n34	1s13	6n59	15n47	4n33	4n51	1n 9		n.a.
T 2	3 18	16 38	4 0	6 0	2 16	17 36	1 22	21 19	1 12	2 8	1 38	17 2	1 27	19 40	0 3	20 34	1 12	6 59	15 47	4 33	4 53	1 11		n.a.
F 3	3 41	14 7	3 4	5 14	2 12	18 0	1 25	21 28	1 13	2 5	1 38	17 4	1 27	19 41	0 3	20 34	1 12	7 0	15 47	4 33	4 54	1 13		n.a.
S 4	4 4	10 40	1 54	4 26	2 7	18 24	1 28	21 36	1 13	2 2	1 38	17 6	1 27	19 41	0 3	20 35	1 12	7 0	15 47	4 32	4 55	1 15		n.a.
S 5	4 27	6 28	0 35	3 36	2 1	18 47	1 30	21 44	1 13	1 59	1 38	17 8	1 27	19 42	0 3	20 35	1 12	7 1	15 47	4 32	4 56	1 17		n.a.
M 6	4 50	1 47	0n48	2 46	1 55	19 9	1 33	21 52	1 13	1 56	1 38	17 9	1 27	19 42	0 3	20 35	1 12	7 2	15 47	4 32	4 58	1 19		n.a.
T 7	5 13	3s 4	2 8	1 54	1 49	19 31	1 36	21 59	1 13	1 53	1 38	17 11	1 27	19 43	0 3	20 35	1 12	7 2	15 47	4 32	4 59	1 21		n.a.
W 8	5 36	7 43	3 19	1 1	1 41	19 53	1 39	22 7	1 13	1 50	1 38	17 13	1 26	19 44	0 3	20 36	1 12	7 3	15 47	4 33	5 0	1 23		n.a.
T 9	5 59	11 50	4 15	0 7	1 34	20 14	1 41	22 14	1 13	1 47	1 38	17 15	1 26	19 44	0 3	20 36	1 12	7 4	15 47	4 35	5 1	1 24		n.a.
F 10	6 21	15 5	4 54	0n48	1 26	20 35	1 44	22 21	1 13	1 45	1 38	17 17	1 26	19 45	0 3	20 36	1 12	7 4	15 47	4 36	5 3	1 26		n.a.
S 11	6 43	17 20	5 12	1 44	1 17	20 55	1 46	22 29	1 14	1 42	1 38	17 19	1 26	19 46	0 3	20 37	1 12	7 5	15 47	4 37	5 4	1 28		n.a.
S 12	7 6	18 28	5 11	2 41	1 8	21 14	1 49	22 35	1 14	1 39	1 38	17 21	1 26	19 46	0 3	20 37	1 12	7 5	15 47	4 38	5 5	1 30		n.a.
M13	7 28	18 31	4 54	3 39	0 59	21 33	1 51	22 42	1 14	1 36	1 37	17 23	1 26	19 47	0 3	20 37	1 12	7 6	15 47	4 39	5 6	1 32		n.a.
T 14	7 50	17 35	4 21	4 37	0 50	21 51	1 54	22 49	1 14	1 33	1 37	17 25	1 25	19 48	0 3	20 38	1 12	7 7	15 47	4 39	5 8	1 34		n.a.
W15	8 12	15 48	3 37	5 36	0 40	22 9	1 56	22 55	1 14	1 30	1 37	17 27	1 25	19 49	0 3	20 38	1 12	7 7	15 47	4 39	5 9	1 36		n.a.
T 16	8 34	13 20	2 44	6 35	0 29	22 27	1 58	23 2	1 14	1 28	1 37	17 28	1 25	19 49	0 3	20 38	1 12	7 8	15 46	4 38	5 10	1 38		n.a.
F 17	8 56	10 19	1 44	7 34	0 19	22 43	2 1	23 8	1 14	1 25	1 37	17 30	1 25	19 50	0 3	20 38	1 12	7 8	15 46	4 38	5 11	1 40		n.a.
S 18	9 17	6 55	0 41	8 33	0 9	22 59	2 3	23 14	1 14	1 22	1 37	17 32	1 25	19 51	0 3	20 39	1 12	7 9	15 46	4 37	5 13	1 42		n.a.
S 19	9 39	3 17	0s23	9 32	0n 2	23 15	2 5	23 20	1 14	1 19	1 37	17 34	1 25	19 51	0 3	20 39	1 12	7 9	15 46	4 37	5 14	1 43		n.a.
M20	10 0	0n29	1 27	10 31	0 13	23 30	2 7	23 25	1 14	1 17	1 36	17 36	1 24	19 52	0 3	20 39	1 12	7 10	15 46	4 38	5 15	1 45		n.a.
T 21	10 21	4 15	2 26	11 28	0 23	23 44	2 9	23 31	1 15	1 14	1 36	17 38	1 24	19 53	0 3	20 40	1 12	7 10	15 46	4 39	5 16	1 47		n.a.
W22	10 42	7 51	3 19	12 25	0 33	23 58	2 11	23 36	1 15	1 12	1 36	17 40	1 24	19 54	0 3	20 40	1 12	7 11	15 46	4 41	5 18	1 49		n.a.
T 23	11 3	11 10	4 4	13 20	0 44	24 11	2 13	23 42	1 15	1 9	1 36	17 42	1 24	19 54	0 3	20 40	1 12	7 11	15 46	4 43	5 19	1 51		n.a.
F 24	11 24	14 3	4 39	14 14	0 53	24 23	2 14	23 47	1 15	1 7	1 36	17 44	1 24	19 55	0 3	20 41	1 12	7 12	15 46	4 46	5 20	1 53		n.a.
S 25	11 44	16 21	5 1	15 6	1 3	24 35	2 16	23 52	1 15	1 4	1 36	17 46	1 24	19 56	0 3	20 41	1 12	7 12	15 45	4 49	5 21	1 55		n.a.
S 26	12 4	17 56	5 9	15 56	1 12	24 46	2 17	23 56	1 15	1 2	1 35	17 48	1 24	19 57	0 3	20 41	1 12	7 13	15 45	4 52	5 23	1 57		n.a.
M27	12 24	18 40	5 3	16 45	1 21	24 57	2 19	24 1	1 15	1 0	1 35	17 50	1 24	19 57	0 3	20 42	1 11	7 13	15 45	4 54	5 24	1 59		n.a.
T 28	12 44	18 29	4 41	17 31	1 29	25 6	2 20	24 5	1 15	0 57	1 35	17 52	1 23	19 58	0 3	20 42	1 11	7 13	15 45	4 56	5 25	2 0		n.a.
W29	13 4	17 18	4 5	18 15	1 36	25 16	2 22	24 9	1 15	0 55	1 35	17 54	1 23	19 59	0 3	20 42	1 11	7 14	15 45	4 57	5 26	2 2		n.a.
T 30	13n24	15n 9	3s14	18n57	1n43	25n24	2n23	24n14	1n15	0s53	1n35	17n56	1s23	20n 0	0s 3	20n43	1s11	7n14	15n44	4n57	5n28	2n 4		n.a.

Julian Day Number = 1634949.5, Delta T = 03h39m43s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'18, Lahiri = - 7°13'18 Julian Calendar 1 Apr. 237 BCE == Greg. Calendar 28 March 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

MAY 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 20 31	6♉ 6'36	22♌34	19♉40	17♊40	16♊40	5°R42	25♉16	28♉26	7♊57	18°R24	17♍38	16♍16	10♈ 0	n.a.	F 1
S 2	14 24 28	7° 3'56	6♍43	21°37	18°47	17°17	5♎36	25°23	28°30	7°59	18♎22	17°39	16°13	10° 7	n.a.	S 2
S 3	14 28 24	8° 1'15	21°13	23°31	19°54	17°54	5°30	25°31	28°33	8° 1	18°21	17°R39	16° 9	10°14	n.a.	S 3
M 4	14 32 21	8°58'32	6♎ 2	25°23	21° 1	18°30	5°25	25°39	28°36	8° 3	18°19	17°38	16° 6	10°20	n.a.	M 4
T 5	14 36 17	9°55'49	21° 3	27°12	22° 8	19° 7	5°20	25°46	28°40	8° 5	18°18	17°35	16° 3	10°27	n.a.	T 5
W 6	14 40 14	10°53'05	6♏ 9	28°58	23°14	19°44	5°15	25°54	28°43	8° 7	18°16	17°29	16° 0	10°34	n.a.	W 6
T 7	14 44 11	11°50'20	21° 9	0♊42	24°21	20°21	5°10	26° 2	28°47	8° 9	18°15	17°22	15°57	10°40	n.a.	T 7
F 8	14 48 7	12°47'34	5♐56	2°23	25°27	20°58	5° 5	26°10	28°50	8°11	18°13	17°13	15°53	10°47	n.a.	F 8
S 9	14 52 4	13°44'48	20°20	4° 2	26°33	21°35	5° 0	26°17	28°54	8°13	18°12	17° 5	15°50	10°54	n.a.	S 9
S 10	14 56 0	14°42'01	4♑17	5°38	27°39	22°12	4°56	26°25	28°57	8°15	18°10	16°58	15°47	11° 0	n.a.	S 10
M11	14 59 57	15°39'14	17°46	7°11	28°44	22°49	4°52	26°33	29° 1	8°17	18° 9	16°53	15°44	11° 7	n.a.	M11
T 12	15 3 53	16°36'26	0♒48	8°42	29°50	23°26	4°47	26°41	29° 4	8°19	18° 7	16°49	15°41	11°14	n.a.	T 12
W13	15 7 50	17°33'38	13°24	10°10	0♋55	24° 4	4°43	26°48	29° 8	8°21	18° 6	16°D48	15°38	11°20	n.a.	W13
T 14	15 11 47	18°30'49	25°41	11°35	2° 0	24°41	4°39	26°56	29°11	8°23	18° 5	16°48	15°34	11°27	n.a.	T 14
F 15	15 15 43	19°28'00	7♓42	12°57	3° 5	25°18	4°36	27° 4	29°15	8°25	18° 3	16°49	15°31	11°34	n.a.	F 15
S 16	15 19 40	20°25'11	19°34	14°16	4°10	25°55	4°32	27°12	29°18	8°28	18° 2	16°R49	15°28	11°40	n.a.	S 16
S 17	15 23 36	21°22'21	1♈22	15°33	5°14	26°32	4°29	27°20	29°22	8°30	18° 0	16°48	15°25	11°47	n.a.	S 17
M18	15 27 33	22°19'32	13° 9	16°47	6°19	27° 9	4°26	27°28	29°25	8°32	17°59	16°45	15°22	11°54	n.a.	M18
T 19	15 31 29	23°16'41	25° 0	17°57	7°23	27°46	4°23	27°36	29°29	8°34	17°58	16°39	15°18	12° 0	n.a.	T 19
W20	15 35 26	24°13'51	6♉57	19° 5	8°26	28°23	4°20	27°43	29°32	8°36	17°57	16°31	15°15	12° 7	n.a.	W20
T 21	15 39 22	25°11'01	19° 4	20° 9	9°30	29° 0	4°17	27°51	29°36	8°38	17°55	16°20	15°12	12°14	n.a.	T 21
F 22	15 43 19	26° 8'10	1♊20	21°10	10°33	29°38	4°15	27°59	29°40	8°41	17°54	16° 8	15° 9	12°20	n.a.	F 22
S 23	15 47 16	27° 5'19	13°48	22° 8	11°37	0♋15	4°12	28° 7	29°43	8°43	17°53	15°56	15° 6	12°27	n.a.	S 23
S 24	15 51 12	28° 2'27	26°27	23° 3	12°39	0°52	4°10	28°15	29°47	8°45	17°52	15°45	15° 3	12°34	n.a.	S 24
M25	15 55 9	28°59'35	9♋17	23°54	13°42	1°29	4° 8	28°23	29°50	8°47	17°51	15°35	14°59	12°40	n.a.	M25
T 26	15 59 5	29°56'43	22°20	24°41	14°44	2° 7	4° 6	28°31	29°54	8°49	17°49	15°28	14°56	12°47	n.a.	T 26
W27	16 3 2	0♊53'50	5♌35	25°25	15°46	2°44	4° 5	28°39	29°57	8°52	17°48	15°23	14°53	12°54	n.a.	W27
T 28	16 6 58	1°50'57	19° 4	26° 5	16°48	3°21	4° 3	28°47	0♊ 1	8°54	17°47	15°21	14°50	13° 0	n.a.	T 28
F 29	16 10 55	2°48'04	2♍48	26°41	17°49	3°58	4° 2	28°54	0° 5	8°56	17°46	15°D20	14°47	13° 7	n.a.	F 29
S 30	16 14 51	3°45'10	16°47	27°13	18°51	4°36	4° 1	29° 2	0° 8	8°58	17°45	15°R21	14°44	13°14	n.a.	S 30
S 31	16 18 48	4♊42'16	1♎ 3	27♊41	19♋51	5♋13	4♎ 0	29♉10	0♊12	9♊ 1	17♎44	15♍20	14♍40	13♈20	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n43	12n 5	2s11	19n37	1n49	25n32	2n24	24n17	1n15	0s51	1n34	17n58	1s23	20n 0	0s 3	20n43	1s11	7n15	15n44	4n57	5n29	2n 6		n.a.
S 2	14 2	8 14	0 59	20 13	1 55	25 39	2 25	24 21	1 15	0 49	1 34	18 0	1 23	20 1	0 3	20 43	1 11	7 15	15 44	4 56	5 30	2 8		n.a.
S 3	14 21	3 49	0n19	20 48	2 0	25 45	2 26	24 25	1 15	0 47	1 34	18 2	1 23	20 2	0 3	20 44	1 11	7 15	15 44	4 56	5 31	2 10		n.a.
M 4	14 39	0s56	1 37	21 20	2 4	25 51	2 27	24 28	1 15	0 45	1 34	18 4	1 23	20 3	0 3	20 44	1 11	7 16	15 44	4 57	5 33	2 12		n.a.
T 5	14 58	5 41	2 50	21 49	2 7	25 56	2 28	24 31	1 15	0 43	1 34	18 5	1 23	20 3	0 3	20 44	1 11	7 16	15 43	4 58	5 34	2 14		n.a.
W 6	15 16	10 6	3 51	22 16	2 10	26 1	2 28	24 34	1 15	0 41	1 33	18 7	1 22	20 4	0 3	20 45	1 11	7 16	15 43	5 0	5 35	2 16		n.a.
T 7	15 34	13 50	4 35	22 41	2 12	26 5	2 29	24 37	1 15	0 39	1 33	18 9	1 22	20 5	0 2	20 45	1 11	7 17	15 43	5 3	5 36	2 17		n.a.
F 8	15 52	16 37	5 0	23 3	2 13	26 8	2 29	24 40	1 15	0 38	1 33	18 11	1 22	20 6	0 2	20 46	1 11	7 17	15 42	5 6	5 38	2 19		n.a.
S 9	16 9	18 17	5 5	23 23	2 13	26 10	2 29	24 42	1 15	0 36	1 33	18 13	1 22	20 6	0 2	20 46	1 11	7 17	15 42	5 10	5 39	2 21		n.a.
S 10	16 26	18 47	4 52	23 41	2 13	26 12	2 30	24 45	1 15	0 34	1 32	18 15	1 22	20 7	0 2	20 46	1 11	7 18	15 42	5 12	5 40	2 23		n.a.
M11	16 43	18 11	4 23	23 56	2 12	26 13	2 30	24 47	1 15	0 33	1 32	18 17	1 22	20 8	0 2	20 47	1 11	7 18	15 42	5 14	5 41	2 25		n.a.
T 12	17 0	16 37	3 41	24 9	2 10	26 13	2 30	24 49	1 15	0 31	1 32	18 19	1 22	20 9	0 2	20 47	1 11	7 18	15 41	5 16	5 43	2 27		n.a.
W13	17 16	14 18	2 49	24 20	2 8	26 13	2 30	24 51	1 15	0 30	1 32	18 21	1 22	20 10	0 2	20 47	1 11	7 18	15 41	5 16	5 44	2 29		n.a.
T 14	17 32	11 22	1 51	24 30	2 4	26 12	2 29	24 52	1 15	0 29	1 31	18 23	1 22	20 10	0 2	20 48	1 11	7 18	15 41	5 16	5 45	2 31		n.a.
F 15	17 48	8 2	0 49	24 37	2 1	26 10	2 29	24 54	1 15	0 28	1 31	18 25	1 22	20 11	0 2	20 48	1 11	7 19	15 40	5 16	5 46	2 33		n.a.
S 16	18 4	4 24	0s15	24 42	1 56	26 8	2 28	24 55	1 15	0 26	1 31	18 27	1 21	20 12	0 2	20 48	1 11	7 19	15 40	5 16	5 48	2 35		n.a.
S 17	18 19	0 38	1 17	24 45	1 50	26 5	2 28	24 56	1 15	0 25	1 30	18 28	1 21	20 13	0 2	20 49	1 11	7 19	15 40	5 16	5 49	2 36		n.a.
M18	18 34	3n10	2 16	24 47	1 44	26 1	2 27	24 57	1 15	0 24	1 30	18 30	1 21	20 14	0 2	20 49	1 11	7 19	15 39	5 18	5 50	2 38		n.a.
T 19	18 49	6 52	3 9	24 47	1 38	25 57	2 26	24 58	1 15	0 23	1 30	18 32	1 21	20 14	0 2	20 49	1 11	7 19	15 39	5 20	5 51	2 40		n.a.
W20	19 3	10 19	3 54	24 46	1 30	25 52	2 25	24 58	1 15	0 22	1 30	18 34	1 21	20 15	0 2	20 50	1 11	7 19	15 38	5 23	5 53	2 42		n.a.
T 21	19 17	13 23	4 29	24 43	1 22	25 46	2 24	24 58	1 15	0 22	1 29	18 36	1 21	20 16	0 2	20 50	1 11	7 20	15 38	5 27	5 54	2 44		n.a.
F 22	19 31	15 54	4 52	24 39	1 13	25 40	2 23	24 59	1 15	0 21	1 29	18 38	1 21	20 17	0 2	20 51	1 11	7 20	15 38	5 32	5 55	2 46		n.a.
S 23	19 44	17 44	5 2	24 33	1 4	25 33	2 21	24 59	1 15	0 20	1 29	18 40	1 21	20 17	0 2	20 51	1 11	7 20	15 37	5 37	5 56	2 48		n.a.
S 24	19 57	18 44	4 57	24 26	0 54	25 26	2 20	24 58	1 15	0 20	1 28	18 42	1 21	20 18	0 2	20 51	1 11	7 20	15 37	5 41	5 58	2 50		n.a.
M25	20 10	18 47	4 37	24 18	0 43	25 18	2 18	24 58	1 15	0 19	1 28	18 43	1 21	20 19	0 2	20 52	1 11	7 20	15 37	5 45	5 59	2 52		n.a.
T 26	20 23	17 52	4 2	24 9	0 32	25 9	2 16	24 57	1 15	0 19	1 28	18 45	1 21	20 20	0 2	20 52	1 11	7 20	15 36	5 48	6 0	2 54		n.a.
W27	20 35	15 58	3 14	23 59	0 20	25 0	2 14	24 57	1 15	0 18	1 28	18 47	1 21	20 21	0 2	20 52	1 11	7 20	15 36	5 50	6 1	2 55		n.a.
T 28	20 47	13 9	2 15	23 48	0 8	24 50	2 12	24 56	1 15	0 18	1 27	18 49	1 21	20 21	0 2	20 53	1 11	7 20	15 35	5 50	6 3	2 57		n.a.
F 29	20 58	9 34	1 6	23 36	0s 5	24 40	2 10	24 55	1 15	0 18	1 27	18 51	1 20	20 22	0 2	20 53	1 11	7 20	15 35	5 51	6 4	2 59		n.a.
S 30	21 9	5 24	0n 8	23 23	0 18	24 29	2 7	24 53	1 15	0 17	1 27	18 52	1 20	20 23	0 2	20 53	1 11	7 20	15 34	5 51	6 5	3 1		n.a.
S 31	21n20	0n50	1n22	23n10	0s32	24n17	2n 5	24n52	1n15	0s17	1n26	18n54	1s20	20n24	0s 2	20n54	1s11	7n20	15n34	5n51	6n 6	3n 3		n.a.

Julian Day Number = 1634979.5, Delta T = 03h39m42s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'14, Lahiri = - 7°13'13 Julian Calendar 1 May 237 BCE == Greg. Calendar 27 Apr. 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

JUNE 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 22 45	5♊39'21	15♎33	28♊ 4	20♋52	5♋50	3°R59	29♉18	0♊15	9♊ 3	17°R43	15°R18	14♍37	13♈27	n.a.	M 1
T 2	16 26 41	6°36'26	0♏14	28°24	21°52	6°28	3♎59	29°26	0°19	9° 5	17♎42	15♍13	14°34	13°34	n.a.	T 2
W 3	16 30 38	7°33'31	14°59	28°38	22°52	7° 5	3°58	29°34	0°22	9° 7	17°41	15° 5	14°31	13°40	n.a.	W 3
T 4	16 34 34	8°30'36	29°43	28°48	23°51	7°42	3°D58	29°42	0°26	9° 9	17°40	14°55	14°28	13°47	n.a.	T 4
F 5	16 38 31	9°27'42	14♐17	28°53	24°50	8°20	3°58	29°49	0°30	9°12	17°40	14°44	14°24	13°53	n.a.	F 5
S 6	16 42 27	10°24'47	28°33	28°R54	25°49	8°57	3°59	29°57	0°33	9°14	17°39	14°33	14°21	14° 0	n.a.	S 6
S 7	16 46 24	11°21'53	12♑27	28°50	26°47	9°34	3°59	0♊ 5	0°37	9°16	17°38	14°23	14°18	14° 7	n.a.	S 7
M 8	16 50 20	12°18'59	25°55	28°41	27°45	10°12	3°59	0°13	0°40	9°18	17°37	14°15	14°15	14°13	n.a.	M 8
T 9	16 54 17	13°16'06	8♒57	28°28	28°42	10°49	4° 0	0°21	0°44	9°21	17°36	14° 9	14°12	14°20	n.a.	T 9
W10	16 58 14	14°13'13	21°35	28°10	29°39	11°27	4° 1	0°28	0°47	9°23	17°36	14° 6	14° 9	14°27	n.a.	W10
T 11	17 2 10	15°10'20	3♓53	27°48	0♌36	12° 4	4° 2	0°36	0°51	9°25	17°35	14° 5	14° 5	14°33	n.a.	T 11
F 12	17 6 7	16° 7'29	15°56	27°22	1°32	12°42	4° 3	0°44	0°54	9°27	17°34	14° 5	14° 2	14°40	n.a.	F 12
S 13	17 10 3	17° 4'38	27°49	26°52	2°28	13°19	4° 5	0°51	0°58	9°30	17°34	14° 5	13°59	14°47	n.a.	S 13
S 14	17 14 0	18° 1'47	9♈38	26°19	3°23	13°57	4° 7	0°59	1° 1	9°32	17°33	14° 3	13°56	14°53	n.a.	S 14
M15	17 17 56	18°58'57	21°27	25°43	4°17	14°34	4° 8	1° 7	1° 5	9°34	17°33	14° 0	13°53	15° 0	n.a.	M15
T 16	17 21 53	19°56'08	3♉22	25° 5	5°11	15°12	4°10	1°14	1° 8	9°36	17°32	13°54	13°50	15° 7	n.a.	T 16
W17	17 25 49	20°53'20	15°26	24°26	6° 5	15°49	4°12	1°22	1°11	9°38	17°31	13°46	13°46	15°13	n.a.	W17
T 18	17 29 46	21°50'33	27°42	23°45	6°58	16°27	4°15	1°30	1°15	9°41	17°31	13°35	13°43	15°20	n.a.	T 18
F 19	17 33 43	22°47'46	10♊12	23° 4	7°50	17° 5	4°17	1°37	1°18	9°43	17°31	13°23	13°40	15°27	n.a.	F 19
S 20	17 37 39	23°45'00	22°56	22°24	8°42	17°42	4°20	1°45	1°22	9°45	17°30	13°10	13°37	15°33	n.a.	S 20
S 21	17 41 36	24°42'15	5♋54	21°45	9°33	18°20	4°23	1°52	1°25	9°47	17°30	12°58	13°34	15°40	n.a.	S 21
M22	17 45 32	25°39'30	19° 5	21° 7	10°24	18°58	4°26	2° 0	1°28	9°49	17°29	12°48	13°30	15°47	n.a.	M22
T 23	17 49 29	26°36'46	2♌27	20°32	11°14	19°35	4°29	2° 7	1°32	9°51	17°29	12°40	13°27	15°53	n.a.	T 23
W24	17 53 25	27°34'02	16° 0	20° 0	12° 3	20°13	4°32	2°15	1°35	9°54	17°29	12°35	13°24	16° 0	n.a.	W24
T 25	17 57 22	28°31'19	29°42	19°32	12°51	20°51	4°36	2°22	1°38	9°56	17°29	12°33	13°21	16° 7	n.a.	T 25
F 26	18 1 19	29°28'37	13♍34	19° 9	13°39	21°29	4°40	2°29	1°42	9°58	17°28	12°D32	13°18	16°14	n.a.	F 26
S 27	18 5 15	0♋25'55	27°33	18°50	14°26	22° 6	4°43	2°37	1°45	10° 0	17°28	12°R32	13°15	16°20	n.a.	S 27
S 28	18 9 12	1°23'14	11♎41	18°37	15°12	22°44	4°47	2°44	1°48	10° 2	17°28	12°32	13°11	16°27	n.a.	S 28
M29	18 13 8	2°20'33	25°56	18°29	15°57	23°22	4°52	2°51	1°51	10° 4	17°28	12°30	13° 8	16°34	n.a.	M29
T 30	18 17 5	3♋17'53	10♏17	18°D27	16♌41	24♋ 0	4♎56	2♊58	1♊54	10♊ 6	17♎28	12♍26	13♍ 5	16♈40	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n30	3s51	2n33	22n56	0s47	24n 5	2n 2	24n50	1n15	0s17	1n26	18n56	1s20	20n24	0s 2	20n54	1s11	7n20	15n33	5n52	6n 7	3n 5		n.a.
T 2	21 40	8 21	3 34	22 42	1 1	23 53	1 59	24 48	1 15	0 17	1 26	18 58	1 20	20 25	0 2	20 55	1 11	7 20	15 33	5 54	6 9	3 7		n.a.
W 3	21 50	12 22	4 21	22 27	1 16	23 40	1 56	24 46	1 15	0 18	1 25	18 59	1 20	20 26	0 2	20 55	1 11	7 20	15 33	5 57	6 10	3 9		n.a.
T 4	21 59	15 36	4 51	22 12	1 31	23 27	1 53	24 44	1 15	0 18	1 25	19 1	1 20	20 27	0 2	20 55	1 11	7 20	15 32	6 1	6 11	3 11		n.a.
F 5	22 8	17 48	5 1	21 56	1 47	23 13	1 50	24 42	1 15	0 18	1 25	19 3	1 20	20 27	0 2	20 56	1 11	7 19	15 32	6 5	6 12	3 12		n.a.
S 6	22 16	18 51	4 52	21 41	2 2	22 58	1 46	24 39	1 15	0 18	1 25	19 5	1 20	20 28	0 2	20 56	1 11	7 19	15 31	6 9	6 14	3 14		n.a.
S 7	22 24	18 43	4 26	21 25	2 18	22 43	1 43	24 37	1 15	0 19	1 24	19 6	1 20	20 29	0 2	20 56	1 11	7 19	15 31	6 13	6 15	3 16		n.a.
M 8	22 32	17 31	3 46	21 10	2 33	22 28	1 39	24 34	1 15	0 19	1 24	19 8	1 20	20 30	0 2	20 57	1 11	7 19	15 30	6 16	6 16	3 18		n.a.
T 9	22 40	15 26	2 55	20 55	2 48	22 12	1 35	24 31	1 14	0 20	1 24	19 10	1 20	20 30	0 2	20 57	1 11	7 19	15 30	6 18	6 17	3 20		n.a.
W10	22 47	12 39	1 56	20 40	3 3	21 56	1 30	24 27	1 14	0 21	1 23	19 11	1 20	20 31	0 2	20 57	1 11	7 19	15 29	6 20	6 19	3 22		n.a.
T 11	22 53	9 22	0 54	20 25	3 17	21 40	1 26	24 24	1 14	0 21	1 23	19 13	1 20	20 32	0 2	20 58	1 11	7 18	15 29	6 20	6 20	3 24		n.a.
F 12	22 59	5 46	0s10	20 11	3 31	21 23	1 22	24 20	1 14	0 22	1 23	19 15	1 20	20 33	0 2	20 58	1 11	7 18	15 28	6 20	6 21	3 26		n.a.
S 13	23 5	1 59	1 12	19 58	3 43	21 5	1 17	24 16	1 14	0 23	1 22	19 16	1 20	20 33	0 2	20 58	1 11	7 18	15 28	6 20	6 22	3 28		n.a.
S 14	23 10	1n51	2 11	19 45	3 55	20 48	1 12	24 12	1 14	0 24	1 22	19 18	1 20	20 34	0 2	20 59	1 11	7 18	15 27	6 21	6 24	3 30		n.a.
M15	23 15	5 37	3 4	19 33	4 6	20 30	1 7	24 8	1 14	0 25	1 22	19 20	1 20	20 35	0 2	20 59	1 11	7 17	15 27	6 22	6 25	3 31		n.a.
T 16	23 20	9 11	3 50	19 22	4 15	20 11	1 2	24 4	1 14	0 26	1 22	19 21	1 20	20 36	0 2	20 59	1 11	7 17	15 26	6 24	6 26	3 33		n.a.
W17	23 24	12 25	4 25	19 13	4 24	19 53	0 56	23 59	1 14	0 27	1 21	19 23	1 20	20 36	0 2	21 0	1 11	7 17	15 26	6 28	6 27	3 35		n.a.
T 18	23 28	15 11	4 49	19 4	4 30	19 34	0 51	23 55	1 14	0 28	1 21	19 24	1 19	20 37	0 2	21 0	1 11	7 17	15 25	6 32	6 29	3 37		n.a.
F 19	23 31	17 17	5 0	18 57	4 35	19 15	0 45	23 50	1 14	0 30	1 21	19 26	1 19	20 38	0 2	21 0	1 11	7 16	15 24	6 37	6 30	3 39		n.a.
S 20	23 34	18 36	4 56	18 52	4 39	18 55	0 39	23 45	1 13	0 31	1 20	19 27	1 19	20 38	0 2	21 1	1 11	7 16	15 24	6 41	6 31	3 41		n.a.
S 21	23 37	18 58	4 37	18 47	4 41	18 36	0 33	23 40	1 13	0 32	1 20	19 29	1 19	20 39	0 2	21 1	1 11	7 16	15 23	6 46	6 32	3 43		n.a.
M22	23 39	18 20	4 3	18 45	4 41	18 16	0 26	23 34	1 13	0 34	1 20	19 31	1 19	20 40	0 2	21 1	1 11	7 15	15 23	6 50	6 33	3 45		n.a.
T 23	23 41	16 40	3 15	18 44	4 39	17 56	0 20	23 29	1 13	0 35	1 19	19 32	1 19	20 41	0 2	21 2	1 11	7 15	15 22	6 53	6 35	3 47		n.a.
W24	23 42	14 4	2 16	18 45	4 36	17 35	0 13	23 23	1 13	0 37	1 19	19 34	1 19	20 41	0 2	21 2	1 11	7 14	15 22	6 55	6 36	3 48		n.a.
T 25	23 43	10 39	1 8	18 48	4 31	17 15	0 6	23 17	1 13	0 39	1 19	19 35	1 19	20 42	0 2	21 2	1 11	7 14	15 21	6 56	6 37	3 50		n.a.
F 26	23 43	6 37	0n 5	18 52	4 25	16 54	0s 1	23 11	1 13	0 40	1 19	19 36	1 19	20 43	0 2	21 3	1 11	7 14	15 21	6 56	6 38	3 52		n.a.
S 27	23 43	2 11	1 19	18 58	4 18	16 34	0 9	23 5	1 13	0 42	1 18	19 38	1 19	20 43	0 2	21 3	1 11	7 13	15 20	6 56	6 40	3 54		n.a.
S 28	23 43	2s24	2 28	19 6	4 9	16 13	0 16	22 58	1 12	0 44	1 18	19 39	1 19	20 44	0 2	21 3	1 11	7 13	15 20	6 56	6 41	3 56		n.a.
M29	23 42	6 54	3 29	19 15	3 58	15 52	0 24	22 52	1 12	0 46	1 18	19 41	1 19	20 45	0 2	21 3	1 11	7 12	15 19	6 57	6 42	3 58		n.a.
T 30	23n41	11s 0	4n17	19n26	3s47	15n31	0s32	22n45	1n12	0s48	1n17	19n42	1s19	20n45	0s 2	21n 4	1s11	7n12	15n18	6n59	6n43	4n 0		n.a.

Julian Day Number = 1635010.5, Delta T = 03h39m41s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'10, Lahiri = - 7°13'09 Julian Calendar 1 June 237 BCE == Greg. Calendar 28 May 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

JULY 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 21 1	4♋15'13	24♏38	18♊31	17♌25	24♋38	5♎ 1	3♊ 5	1♊58	10♊ 8	17°R28	12°R19	13♍ 2	16♈47	n.a.	W 1
T 2	18 24 58	5°12'35	8♐57	18°41	18° 7	25°16	5° 5	3°13	2° 1	10°10	17°D28	12♍10	12°59	16°54	n.a.	T 2
F 3	18 28 54	6° 9'57	23° 7	18°58	18°48	25°53	5°10	3°20	2° 4	10°13	17♎28	12° 0	12°56	17° 0	n.a.	F 3
S 4	18 32 51	7° 7'21	7♑ 4	19°21	19°29	26°31	5°15	3°27	2° 7	10°15	17°28	11°50	12°52	17° 7	n.a.	S 4
S 5	18 36 48	8° 4'46	20°42	19°51	20° 8	27° 9	5°20	3°34	2°10	10°17	17°28	11°41	12°49	17°14	n.a.	S 5
M 6	18 40 44	9° 2'11	4♒ 0	20°27	20°46	27°47	5°25	3°41	2°13	10°19	17°28	11°33	12°46	17°20	n.a.	M 6
T 7	18 44 41	9°59'38	16°56	21°10	21°23	28°25	5°31	3°48	2°16	10°21	17°28	11°28	12°43	17°27	n.a.	T 7
W 8	18 48 37	10°57'07	29°31	21°59	21°59	29° 3	5°36	3°54	2°19	10°23	17°28	11°26	12°40	17°34	n.a.	W 8
T 9	18 52 34	11°54'36	11♓48	22°54	22°34	29°41	5°42	4° 1	2°22	10°25	17°29	11°D25	12°36	17°40	n.a.	T 9
F 10	18 56 30	12°52'07	23°52	23°55	23° 7	0♌19	5°48	4° 8	2°25	10°27	17°29	11°26	12°33	17°47	n.a.	F 10
S 11	19 0 27	13°49'40	5♈46	25° 2	23°39	0°57	5°54	4°15	2°28	10°28	17°29	11°26	12°30	17°54	n.a.	S 11
S 12	19 4 23	14°47'14	17°36	26°16	24° 9	1°35	6° 0	4°21	2°31	10°30	17°30	11°R27	12°27	18° 0	n.a.	S 12
M13	19 8 20	15°44'50	29°27	27°34	24°38	2°14	6° 7	4°28	2°33	10°32	17°30	11°25	12°24	18° 7	n.a.	M13
T 14	19 12 17	16°42'28	11♉24	28°58	25° 6	2°52	6°13	4°35	2°36	10°34	17°30	11°22	12°21	18°14	n.a.	T 14
W15	19 16 13	17°40'07	23°32	0♋27	25°32	3°30	6°20	4°41	2°39	10°36	17°31	11°17	12°17	18°20	n.a.	W15
T 16	19 20 10	18°37'47	5♊55	2° 0	25°57	4° 8	6°26	4°48	2°42	10°38	17°31	11°10	12°14	18°27	n.a.	T 16
F 17	19 24 6	19°35'30	18°35	3°38	26°19	4°46	6°33	4°54	2°45	10°40	17°32	11° 2	12°11	18°34	n.a.	F 17
S 18	19 28 3	20°33'14	1♋33	5°20	26°40	5°24	6°40	5° 0	2°47	10°42	17°32	10°53	12° 8	18°40	n.a.	S 18
S 19	19 31 59	21°30'59	14°49	7° 5	27° 0	6° 3	6°48	5° 7	2°50	10°43	17°33	10°45	12° 5	18°47	n.a.	S 19
M20	19 35 56	22°28'47	28°22	8°54	27°17	6°41	6°55	5°13	2°52	10°45	17°33	10°37	12° 2	18°54	n.a.	M20
T 21	19 39 52	23°26'35	12♌ 8	10°45	27°33	7°19	7° 2	5°19	2°55	10°47	17°34	10°32	11°58	19° 0	n.a.	T 21
W22	19 43 49	24°24'25	26° 6	12°38	27°46	7°58	7°10	5°25	2°58	10°49	17°35	10°29	11°55	19° 7	n.a.	W22
T 23	19 47 46	25°22'17	10♍11	14°33	27°58	8°36	7°18	5°31	3° 0	10°50	17°35	10°D29	11°52	19°14	n.a.	T 23
F 24	19 51 42	26°20'09	24°20	16°30	28° 7	9°15	7°25	5°37	3° 3	10°52	17°36	10°29	11°49	19°20	n.a.	F 24
S 25	19 55 39	27°18'04	8♎31	18°28	28°15	9°53	7°33	5°43	3° 5	10°54	17°37	10°30	11°46	19°27	n.a.	S 25
S 26	19 59 35	28°15'59	22°43	20°27	28°20	10°31	7°41	5°49	3° 7	10°55	17°38	10°R31	11°42	19°34	n.a.	S 26
M27	20 3 32	29°13'56	6♏52	22°25	28°22	11°10	7°50	5°55	3°10	10°57	17°39	10°31	11°39	19°40	n.a.	M27
T 28	20 7 28	0♌11'54	20°59	24°25	28°R23	11°48	7°58	6° 0	3°12	10°59	17°39	10°29	11°36	19°47	n.a.	T 28
W29	20 11 25	1° 9'54	5♐ 0	26°24	28°21	12°27	8° 6	6° 6	3°14	11° 0	17°40	10°26	11°33	19°54	n.a.	W29
T 30	20 15 21	2° 7'55	18°53	28°22	28°17	13° 5	8°15	6°11	3°17	11° 2	17°41	10°21	11°30	20° 0	n.a.	T 30
F 31	20 19 18	3♌ 5'58	2♑36	0♌21	28♌11	13♌44	8♎23	6♊17	3♊19	11♊ 3	17♎42	10♍15	11♍27	20♈ 7	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23n39	14s29	4n49	19n39	3s35	15n10	0s40	22n38	1n12	0s50	1n17	19n44	1s19	20n46	0s 2	21n 4	1s11	7n11	15n18	7n 1	6n45	4n 2			n.a.
T 2	23 37	17 4	5 3	19 53	3 22	14 49	0 48	22 31	1 12	0 52	1 17	19 45	1 19	20 47	0 2	21 4	1 11	7 11	15 17	7 5	6 46	4 4			n.a.
F 3	23 35	18 35	4 57	20 8	3 9	14 28	0 57	22 24	1 12	0 54	1 17	19 46	1 19	20 47	0 2	21 5	1 11	7 10	15 17	7 8	6 47	4 6			n.a.
S 4	23 32	18 58	4 35	20 24	2 54	14 7	1 6	22 16	1 12	0 57	1 16	19 48	1 19	20 48	0 2	21 5	1 11	7 10	15 16	7 12	6 48	4 7			n.a.
S 5	23 28	18 13	3 56	20 40	2 40	13 46	1 15	22 9	1 12	0 59	1 16	19 49	1 19	20 48	0 2	21 5	1 11	7 9	15 16	7 16	6 49	4 9			n.a.
M 6	23 25	16 28	3 6	20 58	2 25	13 25	1 24	22 1	1 11	1 1	1 16	19 50	1 19	20 49	0 2	21 6	1 11	7 8	15 15	7 19	6 51	4 11			n.a.
T 7	23 20	13 56	2 7	21 16	2 9	13 4	1 34	21 53	1 11	1 4	1 16	19 52	1 19	20 50	0 2	21 6	1 11	7 8	15 14	7 21	6 52	4 13			n.a.
W 8	23 16	10 47	1 3	21 35	1 54	12 43	1 43	21 45	1 11	1 6	1 15	19 53	1 19	20 50	0 2	21 6	1 11	7 7	15 14	7 22	6 53	4 15			n.a.
T 9	23 11	7 15	0s 2	21 53	1 39	12 22	1 53	21 37	1 11	1 9	1 15	19 54	1 19	20 51	0 2	21 6	1 11	7 7	15 13	7 22	6 54	4 17			n.a.
F 10	23 5	3 29	1 6	22 12	1 23	12 2	2 3	21 28	1 11	1 11	1 15	19 55	1 19	20 51	0 2	21 7	1 11	7 6	15 13	7 22	6 56	4 19			n.a.
S 11	23 0	0n23	2 7	22 30	1 8	11 42	2 14	21 20	1 11	1 14	1 14	19 57	1 19	20 52	0 2	21 7	1 11	7 5	15 12	7 21	6 57	4 21			n.a.
S 12	22 53	4 12	3 2	22 47	0 53	11 22	2 24	21 11	1 10	1 17	1 14	19 58	1 19	20 53	0 2	21 7	1 11	7 5	15 12	7 21	6 58	4 23			n.a.
M13	22 47	7 51	3 49	23 4	0 38	11 2	2 35	21 2	1 10	1 20	1 14	19 59	1 19	20 53	0 2	21 7	1 11	7 4	15 11	7 22	6 59	4 24			n.a.
T 14	22 40	11 13	4 26	23 19	0 24	10 42	2 46	20 53	1 10	1 22	1 14	20 0	1 19	20 54	0 2	21 8	1 11	7 3	15 10	7 23	7 1	4 26			n.a.
W15	22 32	14 10	4 52	23 33	0 10	10 23	2 57	20 44	1 10	1 25	1 13	20 2	1 19	20 54	0 2	21 8	1 11	7 3	15 10	7 25	7 2	4 28			n.a.
T 16	22 25	16 32	5 5	23 45	0n 3	10 4	3 8	20 35	1 10	1 28	1 13	20 3	1 19	20 55	0 2	21 8	1 11	7 2	15 9	7 28	7 3	4 30			n.a.
F 17	22 16	18 11	5 4	23 56	0 15	9 46	3 20	20 25	1 10	1 31	1 13	20 4	1 19	20 55	0 2	21 8	1 11	7 1	15 9	7 31	7 4	4 32			n.a.
S 18	22 8	18 56	4 47	24 4	0 27	9 27	3 31	20 16	1 9	1 34	1 13	20 5	1 19	20 56	0 2	21 9	1 11	7 1	15 8	7 34	7 5	4 34			n.a.
S 19	21 59	18 40	4 15	24 10	0 38	9 10	3 43	20 6	1 9	1 37	1 12	20 6	1 19	20 56	0 2	21 9	1 11	7 0	15 8	7 37	7 7	4 36			n.a.
M20	21 49	17 21	3 27	24 14	0 49	8 53	3 55	19 56	1 9	1 40	1 12	20 7	1 19	20 57	0 2	21 9	1 11	6 59	15 7	7 40	7 8	4 38			n.a.
T 21	21 40	15 0	2 27	24 15	0 58	8 36	4 7	19 46	1 9	1 44	1 12	20 8	1 19	20 58	0 2	21 9	1 11	6 58	15 6	7 42	7 9	4 40			n.a.
W22	21 29	11 46	1 17	24 13	1 7	8 20	4 20	19 36	1 9	1 47	1 12	20 9	1 19	20 58	0 2	21 10	1 11	6 58	15 6	7 43	7 10	4 41			n.a.
T 23	21 19	7 49	0 2	24 9	1 15	8 4	4 32	19 25	1 9	1 50	1 11	20 10	1 19	20 59	0 2	21 10	1 11	6 57	15 5	7 44	7 12	4 43			n.a.
F 24	21 8	3 25	1n14	24 2	1 22	7 49	4 45	19 15	1 8	1 54	1 11	20 11	1 19	20 59	0 2	21 10	1 11	6 56	15 5	7 43	7 13	4 45			n.a.
S 25	20 57	1s11	2 26	23 53	1 28	7 35	4 57	19 4	1 8	1 57	1 11	20 12	1 19	20 59	0 2	21 10	1 11	6 55	15 4	7 43	7 14	4 47			n.a.
S 26	20 45	5 42	3 29	23 40	1 33	7 21	5 10	18 54	1 8	2 0	1 11	20 13	1 20	21 0	0 2	21 11	1 11	6 54	15 4	7 43	7 15	4 49			n.a.
M27	20 33	9 54	4 19	23 26	1 37	7 8	5 22	18 43	1 8	2 4	1 10	20 14	1 20	21 0	0 2	21 11	1 11	6 54	15 3	7 43	7 16	4 51			n.a.
T 28	20 21	13 30	4 53	23 8	1 41	6 56	5 35	18 32	1 8	2 7	1 10	20 15	1 20	21 1	0 2	21 11	1 11	6 53	15 3	7 43	7 18	4 53			n.a.
W29	20 8	16 19	5 9	22 49	1 43	6 45	5 48	18 21	1 7	2 11	1 10	20 16	1 20	21 1	0 2	21 11	1 11	6 52	15 2	7 45	7 19	4 55			n.a.
T 30	19 55	18 9	5 7	22 27	1 45	6 35	6 0	18 9	1 7	2 15	1 10	20 17	1 20	21 2	0 2	21 11	1 11	6 51	15 1	7 46	7 20	4 57			n.a.
F 31	19n42	18s54	4n47	22n 3	1n47	6n25	6s13	17n58	1n 7	2s18	1n 9	20n18	1s20	21n 2	0s 2	21n12	1s11	6n50	15n 1	7n49	7n21	4n58			n.a.

Julian Day Number = 1635040.5, Delta T = 03h39m40s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'06, Lahiri = - 7°13'05 Julian Calendar 1 July 237 BCE == Greg. Calendar 27 June 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

AUGUST 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 23 15	4♌ 4'03	16♉ 7	2♌18	28°R 2	14♌23	8♎32	6♊22	3♊21	11♊ 5	17♎43	10°R 9	11♍23	20♈14	n.a.	S 1
S 2	20 27 11	5° 2'09	29°23	4°15	27♌50	15° 1	8°41	6°28	3°23	11° 6	17°44	10♍ 4	11°20	20°20	n.a.	S 2
M 3	20 31 8	6° 0'17	12♒22	6°11	27°37	15°40	8°50	6°33	3°25	11° 8	17°45	10° 0	11°17	20°27	n.a.	M 3
T 4	20 35 4	6°58'26	25° 5	8° 6	27°21	16°19	8°59	6°38	3°27	11° 9	17°46	9°57	11°14	20°34	n.a.	T 4
W 5	20 39 1	7°56'38	7♓32	10° 0	27° 2	16°57	9° 8	6°43	3°29	11°11	17°47	9°D56	11°11	20°40	n.a.	W 5
T 6	20 42 57	8°54'52	19°45	11°53	26°42	17°36	9°18	6°48	3°31	11°12	17°49	9°57	11° 8	20°47	n.a.	T 6
F 7	20 46 54	9°53'07	1♈46	13°45	26°19	18°15	9°27	6°53	3°33	11°13	17°50	9°58	11° 4	20°54	n.a.	F 7
S 8	20 50 50	10°51'25	13°40	15°35	25°54	18°54	9°37	6°58	3°35	11°15	17°51	10° 0	11° 1	21° 0	n.a.	S 8
S 9	20 54 47	11°49'45	25°30	17°25	25°27	19°32	9°46	7° 3	3°37	11°16	17°52	10° 1	10°58	21° 7	n.a.	S 9
M10	20 58 43	12°48'07	7♉21	19°13	24°59	20°11	9°56	7° 8	3°38	11°17	17°54	10° 2	10°55	21°14	n.a.	M10
T 11	21 2 40	13°46'32	19°19	21° 1	24°28	20°50	10° 6	7°12	3°40	11°18	17°55	10°R 2	10°52	21°20	n.a.	T 11
W12	21 6 37	14°44'58	1♊27	22°47	23°56	21°29	10°16	7°17	3°42	11°20	17°56	10° 1	10°48	21°27	n.a.	W12
T 13	21 10 33	15°43'27	13°51	24°32	23°23	22° 8	10°26	7°22	3°43	11°21	17°58	9°59	10°45	21°34	n.a.	T 13
F 14	21 14 30	16°41'58	26°34	26°16	22°49	22°47	10°36	7°26	3°45	11°22	17°59	9°56	10°42	21°41	n.a.	F 14
S 15	21 18 26	17°40'32	9♋39	27°59	22°14	23°26	10°46	7°30	3°47	11°23	18° 0	9°53	10°39	21°47	n.a.	S 15
S 16	21 22 23	18°39'08	23° 6	29°41	21°38	24° 5	10°57	7°34	3°48	11°24	18° 2	9°50	10°36	21°54	n.a.	S 16
M17	21 26 19	19°37'45	6♌55	1♍22	21° 1	24°44	11° 7	7°39	3°49	11°25	18° 3	9°47	10°33	22° 1	n.a.	M17
T 18	21 30 16	20°36'25	21° 3	3° 1	20°25	25°23	11°18	7°43	3°51	11°26	18° 5	9°45	10°29	22° 7	n.a.	T 18
W19	21 34 12	21°35'07	5♍25	4°40	19°48	26° 2	11°28	7°47	3°52	11°27	18° 6	9°D44	10°26	22°14	n.a.	W19
T 20	21 38 9	22°33'51	19°57	6°18	19°11	26°42	11°39	7°50	3°54	11°28	18° 8	9°44	10°23	22°21	n.a.	T 20
F 21	21 42 6	23°32'37	4♎32	7°54	18°35	27°21	11°50	7°54	3°55	11°29	18°10	9°45	10°20	22°27	n.a.	F 21
S 22	21 46 2	24°31'24	19° 5	9°30	18° 0	28° 0	12° 1	7°58	3°56	11°30	18°11	9°46	10°17	22°34	n.a.	S 22
S 23	21 49 59	25°30'14	3♏32	11° 5	17°25	28°39	12°11	8° 1	3°57	11°31	18°13	9°48	10°13	22°41	n.a.	S 23
M24	21 53 55	26°29'05	17°48	12°38	16°52	29°19	12°22	8° 5	3°58	11°32	18°15	9°48	10°10	22°47	n.a.	M24
T 25	21 57 52	27°27'59	1♐51	14°11	16°20	29°58	12°34	8° 8	3°59	11°33	18°16	9°R48	10° 7	22°54	n.a.	T 25
W26	22 1 48	28°26'54	15°40	15°43	15°50	0♍37	12°45	8°11	4° 0	11°34	18°18	9°48	10° 4	23° 1	n.a.	W26
T 27	22 5 45	29°25'50	29°15	17°14	15°21	1°17	12°56	8°15	4° 1	11°34	18°20	9°47	10° 1	23° 7	n.a.	T 27
F 28	22 9 41	0♍24'49	12♑36	18°44	14°54	1°56	13° 7	8°18	4° 2	11°35	18°21	9°46	9°58	23°14	n.a.	F 28
S 29	22 13 38	1°23'50	25°42	20°13	14°29	2°36	13°19	8°21	4° 3	11°36	18°23	9°45	9°54	23°21	n.a.	S 29
S 30	22 17 35	2°22'53	8♒34	21°41	14° 6	3°15	13°30	8°24	4° 4	11°36	18°25	9°44	9°51	23°27	n.a.	S 30
M31	22 21 31	3♍21'57	21♒13	23♍ 8	13♌45	3♍55	13♎42	8♊26	4♊ 4	11♊37	18♎27	9♍43	9♍48	23♈34	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n28	18s34	4n12	21n37	1n47	6n17	6s25	17n46	1n 7	2s22	1n 9	20n19	1s20	21n 3	0s 2	21n12	1s11	6n49	15n 0	7n51	7n23	5n 0		n.a.
S 2	19 14	17 12	3 23	21 10	1 47	6 9	6 37	17 35	1 6	2 26	1 9	20 20	1 20	21 3	0 2	21 12	1 11	6 48	15 0	7 53	7 24	5 2		n.a.
M 3	19 0	14 58	2 25	20 40	1 47	6 3	6 49	17 23	1 6	2 29	1 9	20 21	1 20	21 3	0 2	21 12	1 11	6 48	14 59	7 55	7 25	5 4		n.a.
T 4	18 45	12 3	1 20	20 9	1 45	5 57	7 1	17 11	1 6	2 33	1 9	20 22	1 20	21 4	0 2	21 12	1 11	6 47	14 59	7 56	7 26	5 6		n.a.
W 5	18 30	8 38	0 13	19 37	1 44	5 53	7 12	16 59	1 6	2 37	1 8	20 23	1 20	21 4	0 2	21 12	1 11	6 46	14 58	7 56	7 27	5 8		n.a.
T 6	18 14	4 55	0s54	19 3	1 41	5 50	7 23	16 47	1 6	2 41	1 8	20 23	1 20	21 5	0 2	21 13	1 11	6 45	14 58	7 56	7 29	5 10		n.a.
F 7	17 59	1 4	1 57	18 28	1 39	5 47	7 33	16 34	1 5	2 45	1 8	20 24	1 20	21 5	0 2	21 13	1 11	6 44	14 57	7 55	7 30	5 12		n.a.
S 8	17 43	2n47	2 55	17 52	1 35	5 46	7 43	16 22	1 5	2 49	1 8	20 25	1 20	21 5	0 2	21 13	1 11	6 43	14 57	7 55	7 31	5 14		n.a.
S 9	17 27	6 29	3 45	17 15	1 32	5 46	7 52	16 9	1 5	2 53	1 8	20 26	1 20	21 6	0 2	21 13	1 11	6 42	14 56	7 54	7 32	5 15		n.a.
M10	17 10	9 57	4 25	16 37	1 28	5 48	8 1	15 57	1 5	2 57	1 7	20 26	1 20	21 6	0 2	21 13	1 11	6 41	14 56	7 54	7 34	5 17		n.a.
T 11	16 53	13 2	4 54	15 59	1 23	5 50	8 9	15 44	1 4	3 1	1 7	20 27	1 20	21 6	0 2	21 13	1 11	6 40	14 55	7 54	7 35	5 19		n.a.
W12	16 36	15 37	5 11	15 19	1 19	5 53	8 16	15 31	1 4	3 5	1 7	20 28	1 20	21 7	0 2	21 14	1 11	6 39	14 55	7 54	7 36	5 21		n.a.
T 13	16 19	17 32	5 14	14 39	1 14	5 58	8 23	15 18	1 4	3 9	1 7	20 29	1 20	21 7	0 2	21 14	1 11	6 38	14 54	7 55	7 37	5 23		n.a.
F 14	16 1	18 39	5 2	13 59	1 8	6 3	8 29	15 5	1 4	3 14	1 7	20 29	1 20	21 7	0 2	21 14	1 11	6 37	14 54	7 56	7 38	5 25		n.a.
S 15	15 43	18 49	4 33	13 18	1 3	6 10	8 34	14 52	1 3	3 18	1 6	20 30	1 20	21 8	0 2	21 14	1 11	6 36	14 53	7 57	7 40	5 27		n.a.
S 16	15 25	17 57	3 50	12 36	0 57	6 17	8 38	14 38	1 3	3 22	1 6	20 31	1 20	21 8	0 2	21 14	1 11	6 35	14 53	7 59	7 41	5 29		n.a.
M17	15 6	16 0	2 51	11 55	0 51	6 26	8 41	14 25	1 3	3 26	1 6	20 31	1 20	21 8	0 2	21 14	1 11	6 34	14 52	8 0	7 42	5 31		n.a.
T 18	14 48	13 3	1 41	11 13	0 45	6 35	8 43	14 11	1 3	3 31	1 6	20 32	1 21	21 9	0 2	21 14	1 12	6 33	14 52	8 0	7 43	5 32		n.a.
W19	14 29	9 16	0 24	10 31	0 39	6 45	8 44	13 58	1 2	3 35	1 6	20 32	1 21	21 9	0 2	21 14	1 12	6 32	14 51	8 0	7 44	5 34		n.a.
T 20	14 9	4 53	0n56	9 48	0 32	6 56	8 44	13 44	1 2	3 39	1 5	20 33	1 21	21 9	0 2	21 15	1 12	6 31	14 51	8 0	7 46	5 36		n.a.
F 21	13 50	0 12	2 13	9 6	0 25	7 8	8 44	13 30	1 2	3 44	1 5	20 33	1 21	21 9	0 2	21 15	1 12	6 30	14 50	8 0	7 47	5 38		n.a.
S 22	13 30	4s28	3 21	8 23	0 18	7 20	8 42	13 16	1 2	3 48	1 5	20 34	1 21	21 10	0 2	21 15	1 12	6 29	14 50	8 0	7 48	5 40		n.a.
S 23	13 10	8 50	4 16	7 40	0 11	7 32	8 40	13 2	1 1	3 53	1 5	20 35	1 21	21 10	0 2	21 15	1 12	6 28	14 49	7 59	7 49	5 42		n.a.
M24	12 50	12 38	4 54	6 58	0 4	7 45	8 36	12 48	1 1	3 57	1 5	20 35	1 21	21 10	0 2	21 15	1 12	6 27	14 49	7 59	7 51	5 44		n.a.
T 25	12 30	15 39	5 14	6 15	0s 3	7 59	8 32	12 34	1 1	4 2	1 4	20 36	1 21	21 10	0 2	21 15	1 12	6 26	14 48	7 59	7 52	5 46		n.a.
W26	12 9	17 43	5 15	5 32	0 10	8 13	8 27	12 19	1 0	4 6	1 4	20 36	1 21	21 10	0 2	21 15	1 12	6 25	14 48	7 59	7 53	5 47		n.a.
T 27	11 48	18 44	4 59	4 50	0 18	8 26	8 21	12 5	1 0	4 11	1 4	20 36	1 21	21 11	0 2	21 15	1 12	6 24	14 48	8 0	7 54	5 49		n.a.
F 28	11 27	18 42	4 27	4 8	0 25	8 40	8 15	11 50	1 0	4 16	1 4	20 37	1 21	21 11	0 2	21 15	1 12	6 23	14 47	8 0	7 55	5 51		n.a.
S 29	11 6	17 38	3 41	3 26	0 32	8 54	8 7	11 36	1 0	4 20	1 4	20 37	1 21	21 11	0 2	21 15	1 12	6 22	14 47	8 0	7 57	5 53		n.a.
S 30	10 45	15 41	2 44	2 44	0 40	9 8	7 59	11 21	0 59	4 25	1 4	20 38	1 21	21 11	0 2	21 15	1 12	6 21	14 46	8 1	7 58	5 55		n.a.
M31	10n23	13s 0	1n41	2n 2	0s47	9n22	7s51	11n 6	0n59	4s30	1n 3	20n38	1s21	21n11	0s 1	21n15	1s12	6n20	14n46	8n 1	7n59	5n57		n.a.

Julian Day Number = 1635071.5, Delta T = 03h39m39s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°20'01, Lahiri = - 7°13'01 Julian Calendar 1 Aug. 237 BCE == Greg. Calendar 28 July 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

SEPTEMBER 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 25 28	4♍21'04	3♓39	24♍34	13°R27	4♍34	13♎53	8♊29	4♊ 5	11♊38	18♎29	9°R43	9♍45	23♈41	n.a.	T 1
W 2	22 29 24	5°20'13	15°54	25°59	13♌10	5°14	14° 5	8°32	4° 6	11°38	18°31	9°D43	9°42	23°47	n.a.	W 2
T 3	22 33 21	6°19'24	27°59	27°23	12°57	5°53	14°17	8°34	4° 6	11°39	18°33	9♍43	9°39	23°54	n.a.	T 3
F 4	22 37 17	7°18'37	9♈56	28°46	12°45	6°33	14°29	8°36	4° 7	11°39	18°35	9°43	9°35	24° 1	n.a.	F 4
S 5	22 41 14	8°17'52	21°48	0♎ 8	12°37	7°13	14°41	8°39	4° 7	11°40	18°36	9°43	9°32	24° 8	n.a.	S 5
S 6	22 45 10	9°17'10	3♉37	1°29	12°30	7°52	14°52	8°41	4° 8	11°40	18°38	9°R43	9°29	24°14	n.a.	S 6
M 7	22 49 7	10°16'30	15°28	2°49	12°26	8°32	15° 4	8°43	4° 8	11°41	18°40	9°43	9°26	24°21	n.a.	M 7
T 8	22 53 3	11°15'53	27°25	4° 7	12°D25	9°12	15°17	8°45	4° 8	11°41	18°42	9°43	9°23	24°28	n.a.	T 8
W 9	22 57 0	12°15'18	9♊31	5°25	12°26	9°52	15°29	8°47	4° 9	11°41	18°44	9°D43	9°19	24°34	n.a.	W 9
T 10	23 0 57	13°14'46	21°52	6°40	12°29	10°32	15°41	8°48	4° 9	11°42	18°47	9°43	9°16	24°41	n.a.	T 10
F 11	23 4 53	14°14'16	4♋31	7°55	12°35	11°12	15°53	8°50	4° 9	11°42	18°49	9°44	9°13	24°48	n.a.	F 11
S 12	23 8 50	15°13'48	17°33	9° 8	12°43	11°51	16° 5	8°51	4° 9	11°42	18°51	9°44	9°10	24°54	n.a.	S 12
S 13	23 12 46	16°13'23	1♌ 0	10°19	12°53	12°31	16°18	8°53	4°R 9	11°42	18°53	9°45	9° 7	25° 1	n.a.	S 13
M14	23 16 43	17°13'00	14°54	11°28	13° 5	13°11	16°30	8°54	4° 9	11°42	18°55	9°45	9° 4	25° 8	n.a.	M14
T 15	23 20 39	18°12'40	29°12	12°36	13°19	13°52	16°43	8°55	4° 9	11°43	18°57	9°46	9° 0	25°14	n.a.	T 15
W16	23 24 36	19°12'21	13♍51	13°41	13°36	14°32	16°55	8°56	4° 9	11°43	18°59	9°R46	8°57	25°21	n.a.	W16
T 17	23 28 32	20°12'05	28°45	14°44	13°54	15°12	17° 8	8°57	4° 9	11°43	19° 1	9°45	8°54	25°28	n.a.	T 17
F 18	23 32 29	21°11'51	13♎45	15°44	14°14	15°52	17°20	8°58	4° 9	11°R43	19° 4	9°44	8°51	25°34	n.a.	F 18
S 19	23 36 25	22°11'38	28°44	16°42	14°37	16°32	17°33	8°59	4° 8	11°43	19° 6	9°43	8°48	25°41	n.a.	S 19
S 20	23 40 22	23°11'28	13♏33	17°36	15° 1	17°12	17°46	8°59	4° 8	11°43	19° 8	9°41	8°44	25°48	n.a.	S 20
M21	23 44 19	24°11'20	28° 6	18°27	15°26	17°53	17°58	9° 0	4° 8	11°43	19°10	9°40	8°41	25°54	n.a.	M21
T 22	23 48 15	25°11'13	12♐17	19°15	15°54	18°33	18°11	9° 0	4° 7	11°43	19°13	9°39	8°38	26° 1	n.a.	T 22
W23	23 52 12	26°11'08	26° 7	19°58	16°23	19°13	18°24	9° 1	4° 7	11°42	19°15	9°D38	8°35	26° 8	n.a.	W23
T 24	23 56 8	27°11'05	9♑34	20°36	16°53	19°54	18°37	9° 1	4° 6	11°42	19°17	9°39	8°32	26°15	n.a.	T 24
F 25	0 0 5	28°11'04	22°41	21° 9	17°25	20°34	18°50	9°R 1	4° 6	11°42	19°19	9°40	8°29	26°21	n.a.	F 25
S 26	0 4 1	29°11'04	5♒30	21°37	17°59	21°14	19° 3	9° 1	4° 5	11°42	19°22	9°41	8°25	26°28	n.a.	S 26
S 27	0 7 58	0♎11'06	18° 3	21°58	18°34	21°55	19°16	9° 0	4° 4	11°41	19°24	9°43	8°22	26°35	n.a.	S 27
M28	0 11 54	1°11'10	0♓24	22°13	19°10	22°35	19°29	9° 0	4° 3	11°41	19°26	9°44	8°19	26°41	n.a.	M28
T 29	0 15 51	2°11'15	12°35	22°R20	19°48	23°16	19°42	9° 0	4° 3	11°41	19°29	9°R44	8°16	26°48	n.a.	T 29
W30	0 19 48	3♎11'23	24♓38	22♎19	20♌27	23♍57	19♎55	8♊59	4♊ 2	11♊40	19♎31	9♍43	8♍13	26♈55	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n 2	9s46	0n34	1n21	0s55	9n36	7s42	10n51	0n59	4s34	1n 3	20n38	1s21	21n11	0s 1	21n15	1s12	6n19	14n46	8n 1	8n 0	5n59		n.a.
W 2	9 40	6 9	0s34	0 40	1 2	9 49	7 33	10 36	0 58	4 39	1 3	20 39	1 21	21 11	0 1	21 15	1 12	6 18	14 45	8 1	8 1	6 1		n.a.
T 3	9 18	2 20	1 40	0s 1	1 10	10 3	7 23	10 21	0 58	4 44	1 3	20 39	1 21	21 12	0 1	21 16	1 12	6 17	14 45	8 1	8 3	6 3		n.a.
F 4	8 56	1n32	2 40	0 41	1 17	10 16	7 13	10 6	0 58	4 48	1 3	20 39	1 22	21 12	0 1	21 16	1 12	6 15	14 44	8 1	8 4	6 4		n.a.
S 5	8 33	5 18	3 33	1 21	1 24	10 28	7 2	9 51	0 57	4 53	1 3	20 40	1 22	21 12	0 1	21 16	1 12	6 14	14 44	8 1	8 5	6 6		n.a.
S 6	8 11	8 51	4 17	2 0	1 32	10 40	6 51	9 36	0 57	4 58	1 3	20 40	1 22	21 12	0 1	21 16	1 12	6 13	14 44	8 1	8 6	6 8		n.a.
M 7	7 48	12 3	4 50	2 38	1 39	10 52	6 40	9 20	0 57	5 3	1 2	20 40	1 22	21 12	0 1	21 16	1 12	6 12	14 43	8 1	8 8	6 10		n.a.
T 8	7 25	14 46	5 10	3 17	1 46	11 3	6 29	9 5	0 56	5 8	1 2	20 40	1 22	21 12	0 1	21 16	1 12	6 11	14 43	8 1	8 9	6 12		n.a.
W 9	7 3	16 54	5 18	3 54	1 53	11 14	6 18	8 50	0 56	5 13	1 2	20 41	1 22	21 12	0 1	21 16	1 12	6 10	14 43	8 1	8 10	6 14		n.a.
T 10	6 40	18 18	5 11	4 31	2 0	11 24	6 6	8 34	0 56	5 17	1 2	20 41	1 22	21 12	0 1	21 16	1 12	6 9	14 42	8 1	8 11	6 16		n.a.
F 11	6 16	18 50	4 48	5 6	2 6	11 34	5 54	8 18	0 55	5 22	1 2	20 41	1 22	21 12	0 1	21 16	1 12	6 8	14 42	8 1	8 12	6 18		n.a.
S 12	5 53	18 24	4 11	5 42	2 13	11 43	5 43	8 3	0 55	5 27	1 2	20 41	1 22	21 12	0 1	21 16	1 12	6 7	14 42	8 1	8 14	6 19		n.a.
S 13	5 30	16 56	3 19	6 16	2 19	11 51	5 31	7 47	0 55	5 32	1 2	20 41	1 22	21 12	0 1	21 16	1 12	6 6	14 41	8 0	8 15	6 21		n.a.
M14	5 6	14 26	2 14	6 49	2 25	11 59	5 19	7 31	0 54	5 37	1 1	20 41	1 22	21 12	0 1	21 16	1 12	6 5	14 41	8 0	8 16	6 23		n.a.
T 15	4 43	10 59	0 58	7 21	2 31	12 6	5 8	7 15	0 54	5 42	1 1	20 42	1 22	21 12	0 1	21 16	1 12	6 4	14 41	8 0	8 17	6 25		n.a.
W16	4 19	6 46	0n23	7 52	2 37	12 13	4 56	6 59	0 54	5 47	1 1	20 42	1 22	21 12	0 1	21 16	1 12	6 3	14 40	8 0	8 18	6 27		n.a.
T 17	3 56	2 5	1 43	8 21	2 42	12 19	4 44	6 43	0 53	5 52	1 1	20 42	1 22	21 12	0 1	21 16	1 12	6 1	14 40	8 0	8 20	6 29		n.a.
F 18	3 32	2s46	2 58	8 49	2 47	12 24	4 33	6 27	0 53	5 57	1 1	20 42	1 22	21 12	0 1	21 16	1 12	6 0	14 40	8 0	8 21	6 31		n.a.
S 19	3 8	7 26	3 59	9 16	2 51	12 29	4 21	6 11	0 53	6 2	1 1	20 42	1 23	21 12	0 1	21 16	1 12	5 59	14 39	8 1	8 22	6 33		n.a.
S 20	2 44	11 34	4 44	9 41	2 55	12 33	4 10	5 55	0 52	6 7	1 1	20 42	1 23	21 12	0 1	21 16	1 13	5 58	14 39	8 2	8 23	6 34		n.a.
M21	2 20	14 56	5 10	10 4	2 59	12 36	3 58	5 39	0 52	6 12	1 1	20 42	1 23	21 12	0 1	21 15	1 13	5 57	14 39	8 2	8 24	6 36		n.a.
T 22	1 56	17 19	5 16	10 25	3 2	12 39	3 47	5 22	0 52	6 17	1 0	20 42	1 23	21 12	0 1	21 15	1 13	5 56	14 39	8 3	8 26	6 38		n.a.
W23	1 32	18 36	5 4	10 43	3 4	12 41	3 36	5 6	0 51	6 22	1 0	20 42	1 23	21 12	0 1	21 15	1 13	5 55	14 38	8 3	8 27	6 40		n.a.
T 24	1 8	18 49	4 34	11 0	3 5	12 42	3 25	4 50	0 51	6 27	1 0	20 42	1 23	21 12	0 1	21 15	1 13	5 54	14 38	8 3	8 28	6 42		n.a.
F 25	0 44	17 59	3 52	11 13	3 6	12 42	3 15	4 33	0 50	6 32	1 0	20 42	1 23	21 12	0 1	21 15	1 13	5 53	14 38	8 2	8 29	6 44		n.a.
S 26	0 20	16 14	2 58	11 23	3 6	12 42	3 4	4 17	0 50	6 37	1 0	20 42	1 23	21 11	0 1	21 15	1 13	5 52	14 38	8 2	8 30	6 46		n.a.
S 27	0s 4	13 45	1 57	11 31	3 5	12 41	2 54	4 0	0 50	6 42	1 0	20 42	1 23	21 11	0 1	21 15	1 13	5 51	14 38	8 1	8 32	6 47		n.a.
M28	0 29	10 40	0 51	11 34	3 3	12 40	2 43	3 44	0 49	6 47	1 0	20 42	1 23	21 11	0 1	21 15	1 13	5 50	14 37	8 1	8 33	6 49		n.a.
T 29	0 53	7 9	0s16	11 34	2 59	12 38	2 33	3 27	0 49	6 52	1 0	20 41	1 23	21 11	0 1	21 15	1 13	5 49	14 37	8 1	8 34	6 51		n.a.
W30	1s17	3s24	1s21	11s29	2s54	12n35	2s23	3n10	0n49	6s57	1n 0	20n41	1s23	21n11	0s 1	21n15	1s13	5n48	14n37	8n 1	8n35	6n53		n.a.

Julian Day Number = 1635102.5, Delta T = 03h39m38s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'57, Lahiri = - 7°12'57 Julian Calendar 1 Sept. 237 BCE == Greg. Calendar 28 Aug. 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

OCTOBER 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 23 44	4♎11'32	6♈35	22°R10	21♌ 7	24♍37	20♎ 8	8°R59	4°R 1	11°R40	19♎33	9°R41	8♍10	27♈ 1	n.a.	T 1
F 2	0 27 41	5°11'43	18°28	21♎51	21°48	25°18	20°21	8♊58	4♊ 0	11♊40	19°36	9♍38	8° 6	27° 8	n.a.	F 2
S 3	0 31 37	6°11'57	0♉18	21°23	22°30	25°59	20°34	8°57	3°59	11°39	19°38	9°33	8° 3	27°15	n.a.	S 3
S 4	0 35 34	7°12'12	12° 8	20°45	23°14	26°39	20°47	8°56	3°58	11°39	19°40	9°28	8° 0	27°21	n.a.	S 4
M 5	0 39 30	8°12'29	24° 1	19°58	23°58	27°20	21° 0	8°55	3°57	11°38	19°43	9°23	7°57	27°28	n.a.	M 5
T 6	0 43 27	9°12'49	5♊58	19° 2	24°44	28° 1	21°14	8°54	3°56	11°37	19°45	9°19	7°54	27°35	n.a.	T 6
W 7	0 47 23	10°13'10	18° 4	17°57	25°31	28°42	21°27	8°52	3°54	11°37	19°48	9°15	7°50	27°42	n.a.	W 7
T 8	0 51 20	11°13'34	0♋21	16°46	26°18	29°23	21°40	8°51	3°53	11°36	19°50	9°13	7°47	27°48	n.a.	T 8
F 9	0 55 17	12°13'59	12°55	15°29	27° 7	0♎ 4	21°53	8°49	3°52	11°36	19°52	9°D13	7°44	27°55	n.a.	F 9
S 10	0 59 13	13°14'27	25°50	14°10	27°56	0°45	22° 7	8°48	3°51	11°35	19°55	9°13	7°41	28° 2	n.a.	S 10
S 11	1 3 10	14°14'57	9♌ 8	12°50	28°46	1°26	22°20	8°46	3°49	11°34	19°57	9°15	7°38	28° 8	n.a.	S 11
M12	1 7 6	15°15'28	22°54	11°33	29°37	2° 7	22°33	8°44	3°48	11°33	20° 0	9°16	7°35	28°15	n.a.	M12
T 13	1 11 3	16°16'02	7♍ 7	10°20	0♍29	2°48	22°47	8°42	3°46	11°33	20° 2	9°R17	7°31	28°22	n.a.	T 13
W14	1 14 59	17°16'37	21°46	9°14	1°21	3°29	23° 0	8°40	3°45	11°32	20° 5	9°16	7°28	28°28	n.a.	W14
T 15	1 18 56	18°17'15	6♎47	8°17	2°14	4°10	23°13	8°38	3°43	11°31	20° 7	9°14	7°25	28°35	n.a.	T 15
F 16	1 22 52	19°17'53	22° 1	7°31	3° 8	4°51	23°27	8°36	3°42	11°30	20° 9	9°10	7°22	28°42	n.a.	F 16
S 17	1 26 49	20°18'34	7♏18	6°56	4° 3	5°33	23°40	8°33	3°40	11°29	20°12	9° 4	7°19	28°48	n.a.	S 17
S 18	1 30 45	21°19'16	22°28	6°32	4°58	6°14	23°54	8°31	3°38	11°28	20°14	8°57	7°16	28°55	n.a.	S 18
M19	1 34 42	22°19'59	7♐20	6°20	5°53	6°55	24° 7	8°28	3°37	11°27	20°17	8°51	7°12	29° 2	n.a.	M19
T 20	1 38 39	23°20'44	21°47	6°D19	6°50	7°36	24°21	8°25	3°35	11°26	20°19	8°45	7° 9	29° 9	n.a.	T 20
W21	1 42 35	24°21'30	5♑47	6°30	7°47	8°18	24°34	8°23	3°33	11°25	20°22	8°42	7° 6	29°15	n.a.	W21
T 22	1 46 32	25°22'17	19°18	6°50	8°44	8°59	24°47	8°20	3°31	11°24	20°24	8°40	7° 3	29°22	n.a.	T 22
F 23	1 50 28	26°23'05	2♒23	7°19	9°42	9°41	25° 1	8°17	3°29	11°23	20°26	8°D40	7° 0	29°29	n.a.	F 23
S 24	1 54 25	27°23'54	15° 5	7°57	10°41	10°22	25°14	8°14	3°27	11°22	20°29	8°41	6°56	29°35	n.a.	S 24
S 25	1 58 21	28°24'45	27°29	8°41	11°40	11° 4	25°28	8°11	3°26	11°21	20°31	8°42	6°53	29°42	n.a.	S 25
M26	2 2 18	29°25'36	9♓39	9°33	12°39	11°45	25°41	8° 7	3°24	11°20	20°34	8°R43	6°50	29°49	n.a.	M26
T 27	2 6 14	0♏26'28	21°39	10°30	13°39	12°27	25°54	8° 4	3°22	11°18	20°36	8°42	6°47	29°55	n.a.	T 27
W28	2 10 11	1°27'22	3♈33	11°32	14°40	13° 9	26° 8	8° 1	3°19	11°17	20°38	8°38	6°44	0♉ 2	n.a.	W28
T 29	2 14 8	2°28'17	15°24	12°38	15°41	13°50	26°21	7°57	3°17	11°16	20°41	8°33	6°41	0° 9	n.a.	T 29
F 30	2 18 4	3°29'12	27°15	13°48	16°42	14°32	26°35	7°53	3°15	11°15	20°43	8°24	6°37	0°15	n.a.	F 30
S 31	2 22 1	4♏30'09	9♉ 6	15♎ 2	17♍44	15♎14	26♎48	7♊50	3♊13	11♊13	20♎46	8♍14	6♍34	0♉22	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s41	0n28	2s22	11s19	2s48	12n32	2s13	2n54	0n48	7s 2	0n59	20n41	1s23	21n11	0s 1	21n15	1s13	5n47	14n37	8n 2	8n36	6n55		n.a.
F 2	2 5	4 17	3 17	11 5	2 40	12 27	2 4	2 37	0 48	7 8	0 59	20 41	1 23	21 11	0 1	21 15	1 13	5 46	14 37	8 3	8 38	6 57		n.a.
S 3	2 29	7 55	4 3	10 45	2 31	12 23	1 54	2 20	0 47	7 13	0 59	20 41	1 23	21 10	0 1	21 15	1 13	5 45	14 36	8 5	8 39	6 59		n.a.
S 4	2 53	11 15	4 38	10 20	2 19	12 17	1 45	2 4	0 47	7 18	0 59	20 41	1 23	21 10	0 1	21 15	1 13	5 44	14 36	8 7	8 40	7 1		n.a.
M 5	3 18	14 8	5 2	9 50	2 6	12 11	1 36	1 47	0 47	7 23	0 59	20 40	1 23	21 10	0 1	21 14	1 13	5 43	14 36	8 8	8 41	7 2		n.a.
T 6	3 42	16 26	5 12	9 14	1 51	12 4	1 27	1 30	0 46	7 28	0 59	20 40	1 23	21 10	0 1	21 14	1 13	5 42	14 36	8 10	8 42	7 4		n.a.
W 7	4 6	18 3	5 9	8 34	1 34	11 57	1 18	1 13	0 46	7 33	0 59	20 40	1 24	21 10	0 1	21 14	1 13	5 40	14 36	8 12	8 44	7 6		n.a.
T 8	4 30	18 51	4 52	7 50	1 16	11 49	1 9	0 56	0 45	7 38	0 59	20 40	1 24	21 9	0 1	21 14	1 13	5 39	14 36	8 12	8 45	7 8		n.a.
F 9	4 53	18 46	4 20	7 2	0 57	11 40	1 1	0 40	0 45	7 43	0 59	20 39	1 24	21 9	0 1	21 14	1 13	5 38	14 36	8 13	8 46	7 10		n.a.
S 10	5 17	17 42	3 35	6 12	0 36	11 31	0 53	0 23	0 44	7 48	0 59	20 39	1 24	21 9	0 1	21 14	1 13	5 38	14 35	8 12	8 47	7 12		n.a.
S 11	5 41	15 39	2 37	5 22	0 16	11 21	0 45	0 6	0 44	7 53	0 59	20 39	1 24	21 9	0 1	21 14	1 13	5 37	14 35	8 12	8 48	7 14		n.a.
M12	6 5	12 39	1 28	4 32	0n 5	11 10	0 37	0s11	0 44	7 58	0 59	20 38	1 24	21 8	0 1	21 14	1 13	5 36	14 35	8 11	8 50	7 15		n.a.
T 13	6 28	8 49	0 12	3 45	0 25	10 59	0 29	0 28	0 43	8 3	0 58	20 38	1 24	21 8	0 1	21 13	1 13	5 35	14 35	8 11	8 51	7 17		n.a.
W14	6 52	4 20	1n 8	3 1	0 44	10 47	0 21	0 45	0 43	8 9	0 58	20 38	1 24	21 8	0 1	21 13	1 13	5 34	14 35	8 11	8 52	7 19		n.a.
T 15	7 15	0s31	2 24	2 22	1 2	10 35	0 14	1 2	0 42	8 14	0 58	20 37	1 24	21 8	0 1	21 13	1 13	5 33	14 35	8 12	8 53	7 21		n.a.
F 16	7 38	5 25	3 31	1 49	1 19	10 22	0 7	1 19	0 42	8 19	0 58	20 37	1 24	21 7	0 1	21 13	1 13	5 32	14 35	8 14	8 54	7 23		n.a.
S 17	8 2	9 58	4 23	1 21	1 33	10 9	0n 0	1 36	0 41	8 24	0 58	20 36	1 24	21 7	0 1	21 13	1 13	5 31	14 35	8 16	8 56	7 25		n.a.
S 18	8 25	13 49	4 57	1 0	1 46	9 55	0 7	1 53	0 41	8 29	0 58	20 36	1 24	21 7	0 1	21 13	1 13	5 30	14 35	8 18	8 57	7 27		n.a.
M19	8 48	16 42	5 9	0 46	1 56	9 40	0 14	2 10	0 40	8 34	0 58	20 36	1 24	21 6	0 1	21 13	1 13	5 29	14 35	8 21	8 58	7 28		n.a.
T 20	9 10	18 27	5 1	0 38	2 5	9 25	0 20	2 27	0 40	8 39	0 58	20 35	1 24	21 6	0 1	21 12	1 13	5 28	14 35	8 23	8 59	7 30		n.a.
W21	9 33	19 0	4 36	0 35	2 12	9 10	0 27	2 43	0 40	8 44	0 58	20 35	1 24	21 6	0 1	21 12	1 13	5 27	14 35	8 24	9 0	7 32		n.a.
T 22	9 56	18 26	3 55	0 38	2 18	8 54	0 33	3 0	0 39	8 49	0 58	20 34	1 24	21 5	0 1	21 12	1 13	5 26	14 35	8 25	9 2	7 34		n.a.
F 23	10 18	16 53	3 4	0 46	2 22	8 37	0 39	3 17	0 39	8 54	0 58	20 34	1 24	21 5	0 1	21 12	1 13	5 25	14 35	8 25	9 3	7 36		n.a.
S 24	10 40	14 32	2 4	0 59	2 24	8 20	0 45	3 34	0 38	8 59	0 58	20 33	1 24	21 5	0 1	21 12	1 13	5 24	14 35	8 25	9 4	7 38		n.a.
S 25	11 2	11 33	1 0	1 16	2 25	8 3	0 50	3 51	0 38	9 4	0 58	20 33	1 24	21 4	0 1	21 12	1 13	5 23	14 35	8 24	9 5	7 40		n.a.
M26	11 24	8 7	0s 5	1 36	2 25	7 45	0 56	4 8	0 37	9 9	0 58	20 32	1 24	21 4	0 1	21 11	1 13	5 23	14 35	8 24	9 6	7 41		n.a.
T 27	11 46	4 24	1 9	2 0	2 24	7 26	1 1	4 25	0 37	9 14	0 58	20 32	1 24	21 4	0 1	21 11	1 13	5 22	14 35	8 24	9 8	7 43		n.a.
W28	12 7	0 33	2 9	2 26	2 23	7 7	1 6	4 42	0 36	9 19	0 58	20 31	1 24	21 3	0 1	21 11	1 13	5 21	14 35	8 26	9 9	7 45		n.a.
T 29	12 28	3n19	3 4	2 54	2 20	6 48	1 11	4 59	0 36	9 24	0 58	20 31	1 24	21 3	0 1	21 11	1 14	5 20	14 35	8 28	9 10	7 47		n.a.
F 30	12 49	7 2	3 50	3 25	2 17	6 28	1 16	5 15	0 35	9 29	0 57	20 30	1 24	21 2	0 1	21 11	1 14	5 19	14 35	8 31	9 11	7 49		n.a.
S 31	13s10	10n30	4s26	3s57	2n13	6n 8	1n21	5s32	0n35	9s34	0n57	20n29	1s24	21n 2	0s 1	21n10	1s14	5n18	14n35	8n35	9n12	7n51		n.a.

Julian Day Number = 1635132.5, Delta T = 03h39m37s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'53, Lahiri = - 7°12'53 Julian Calendar 1 Oct. 237 BCE == Greg. Calendar 27 Sept. 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

NOVEMBER 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 25 57	5♏31'07	21♉ 0	16♎18	18♍46	15♎56	27♎ 1	7°R46	3°R11	11°R12	20♎48	8°R 2	6♍31	0♉29	n.a.	S 1
M 2	2 29 54	6°32'07	2♊57	17°36	19°49	16°38	27°15	7♊42	3♊ 9	11♊11	20°50	7♍51	6°28	0°36	n.a.	M 2
T 3	2 33 50	7°33'07	15° 1	18°57	20°52	17°20	27°28	7°38	3° 7	11° 9	20°53	7°40	6°25	0°42	n.a.	T 3
W 4	2 37 47	8°34'09	27°11	20°19	21°55	18° 1	27°41	7°34	3° 4	11° 8	20°55	7°30	6°21	0°49	n.a.	W 4
T 5	2 41 43	9°35'12	9♋32	21°42	22°59	18°43	27°55	7°30	3° 2	11° 7	20°57	7°23	6°18	0°56	n.a.	T 5
F 6	2 45 40	10°36'16	22° 5	23° 7	24° 3	19°25	28° 8	7°26	3° 0	11° 5	21° 0	7°19	6°15	1° 2	n.a.	F 6
S 7	2 49 37	11°37'21	4♌54	24°33	25° 7	20° 8	28°21	7°22	2°57	11° 4	21° 2	7°17	6°12	1° 9	n.a.	S 7
S 8	2 53 33	12°38'28	18° 4	26° 0	26°12	20°50	28°34	7°18	2°55	11° 2	21° 4	7°D17	6° 9	1°16	n.a.	S 8
M 9	2 57 30	13°39'35	1♍37	27°28	27°17	21°32	28°48	7°13	2°53	11° 1	21° 7	7°R18	6° 6	1°22	n.a.	M 9
T 10	3 1 26	14°40'44	15°37	28°57	28°22	22°14	29° 1	7° 9	2°50	11° 0	21° 9	7°18	6° 2	1°29	n.a.	T 10
W11	3 5 23	15°41'54	0♎ 2	0♏26	29°27	22°56	29°14	7° 5	2°48	10°58	21°11	7°16	5°59	1°36	n.a.	W11
T 12	3 9 19	16°43'04	14°52	1°55	0♎33	23°38	29°27	7° 0	2°45	10°57	21°13	7°11	5°56	1°43	n.a.	T 12
F 13	3 13 16	17°44'16	29°59	3°25	1°39	24°21	29°40	6°56	2°43	10°55	21°16	7° 4	5°53	1°49	n.a.	F 13
S 14	3 17 12	18°45'28	15♏17	4°56	2°46	25° 3	29°53	6°51	2°40	10°53	21°18	6°54	5°50	1°56	n.a.	S 14
S 15	3 21 9	19°46'41	0♐32	6°26	3°52	25°45	0♏ 7	6°46	2°38	10°52	21°20	6°43	5°47	2° 3	n.a.	S 15
M16	3 25 6	20°47'55	15°34	7°57	4°59	26°28	0°20	6°42	2°35	10°50	21°22	6°32	5°43	2° 9	n.a.	M16
T 17	3 29 2	21°49'09	0♑13	9°29	6° 6	27°10	0°33	6°37	2°33	10°49	21°24	6°22	5°40	2°16	n.a.	T 17
W18	3 32 59	22°50'23	14°25	11° 0	7°13	27°53	0°46	6°32	2°30	10°47	21°27	6°14	5°37	2°23	n.a.	W18
T 19	3 36 55	23°51'38	28° 5	12°32	8°21	28°35	0°59	6°27	2°28	10°46	21°29	6° 9	5°34	2°29	n.a.	T 19
F 20	3 40 52	24°52'52	11♒16	14° 4	9°28	29°18	1°11	6°23	2°25	10°44	21°31	6° 7	5°31	2°36	n.a.	F 20
S 21	3 44 48	25°54'07	24° 1	15°36	10°36	0♏ 1	1°24	6°18	2°23	10°42	21°33	6°D 6	5°27	2°43	n.a.	S 21
S 22	3 48 45	26°55'22	6♓25	17° 9	11°44	0°43	1°37	6°13	2°20	10°41	21°35	6°R 6	5°24	2°50	n.a.	S 22
M23	3 52 42	27°56'37	18°32	18°41	12°53	1°26	1°50	6° 8	2°18	10°39	21°37	6° 6	5°21	2°56	n.a.	M23
T 24	3 56 38	28°57'51	0♈29	20°14	14° 1	2° 9	2° 3	6° 3	2°15	10°37	21°39	6° 4	5°18	3° 3	n.a.	T 24
W25	4 0 35	29°59'06	12°19	21°47	15°10	2°51	2°15	5°58	2°12	10°36	21°41	5°59	5°15	3°10	n.a.	W25
T 26	4 4 31	1♗ 0'21	24° 8	23°21	16°19	3°34	2°28	5°53	2°10	10°34	21°43	5°51	5°12	3°16	n.a.	T 26
F 27	4 8 28	2° 1'36	5♉59	24°54	17°28	4°17	2°40	5°48	2° 7	10°32	21°45	5°41	5° 8	3°23	n.a.	F 27
S 28	4 12 24	3° 2'50	17°53	26°28	18°37	5° 0	2°53	5°43	2° 5	10°31	21°47	5°27	5° 5	3°30	n.a.	S 28
S 29	4 16 21	4° 4'05	29°53	28° 2	19°46	5°43	3° 5	5°38	2° 2	10°29	21°49	5°13	5° 2	3°36	n.a.	S 29
M30	4 20 17	5♗ 5'20	12♊ 0	29♏37	20♎55	6♏26	3♏18	5♊33	2♊ 0	10♊27	21♎51	4♍58	4♍59	3♉43	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s31	13n33	4s51	4s31	2n 8	5n48	1n25	5s49	0n34	9s38	0n57	20n29	1s24	21n 1	0s 1	21n10	1s14	5n18	14n35	8n39	9n13	7n53		n.a.
M 2	13 51	16 3	5 3	5 5	2 3	5 27	1 30	6 6	0 34	9 43	0 57	20 28	1 24	21 1	0 1	21 10	1 14	5 17	14 35	8 44	9 15	7 54		n.a.
T 3	14 12	17 53	5 1	5 41	1 58	5 6	1 34	6 22	0 33	9 48	0 57	20 28	1 24	21 1	0 1	21 10	1 14	5 16	14 35	8 48	9 16	7 56		n.a.
W 4	14 32	18 55	4 46	6 18	1 52	4 44	1 38	6 39	0 33	9 53	0 57	20 27	1 24	21 0	0 1	21 10	1 14	5 15	14 35	8 51	9 17	7 58		n.a.
T 5	14 51	19 5	4 18	6 55	1 47	4 22	1 42	6 56	0 32	9 58	0 57	20 26	1 24	21 0	0 1	21 9	1 14	5 15	14 35	8 54	9 18	8 0		n.a.
F 6	15 11	18 19	3 37	7 32	1 40	4 0	1 45	7 12	0 32	10 3	0 57	20 26	1 24	20 59	0 1	21 9	1 14	5 14	14 35	8 55	9 19	8 2		n.a.
S 7	15 30	16 37	2 44	8 10	1 34	3 37	1 49	7 29	0 31	10 7	0 57	20 25	1 24	20 59	0 1	21 9	1 14	5 13	14 36	8 56	9 21	8 4		n.a.
S 8	15 49	14 0	1 41	8 48	1 27	3 15	1 52	7 45	0 30	10 12	0 57	20 24	1 24	20 58	0 1	21 9	1 14	5 12	14 36	8 56	9 22	8 6		n.a.
M 9	16 7	10 33	0 30	9 26	1 21	2 51	1 55	8 2	0 30	10 17	0 57	20 24	1 24	20 58	0 1	21 9	1 14	5 12	14 36	8 56	9 23	8 7		n.a.
T 10	16 26	6 25	0n44	10 5	1 14	2 28	1 58	8 18	0 29	10 22	0 57	20 23	1 24	20 58	0 1	21 8	1 14	5 11	14 36	8 56	9 24	8 9		n.a.
W11	16 44	1 47	1 58	10 43	1 7	2 4	2 1	8 34	0 29	10 27	0 57	20 22	1 24	20 57	0 1	21 8	1 14	5 10	14 36	8 57	9 25	8 11		n.a.
T 12	17 2	3s 5	3 5	11 21	1 0	1 40	2 4	8 51	0 28	10 31	0 57	20 21	1 24	20 57	0 1	21 8	1 14	5 9	14 36	8 58	9 27	8 13		n.a.
F 13	17 19	7 50	4 1	11 58	0 53	1 16	2 7	9 7	0 28	10 36	0 57	20 21	1 24	20 56	0 1	21 8	1 14	5 9	14 36	9 1	9 28	8 15		n.a.
S 14	17 36	12 8	4 41	12 36	0 46	0 52	2 9	9 23	0 27	10 41	0 57	20 20	1 24	20 56	0 1	21 8	1 14	5 8	14 37	9 5	9 29	8 17		n.a.
S 15	17 53	15 37	5 0	13 13	0 39	0 27	2 12	9 39	0 27	10 45	0 57	20 19	1 24	20 55	0 1	21 7	1 14	5 8	14 37	9 9	9 30	8 18		n.a.
M16	18 10	18 0	4 58	13 49	0 32	0 2	2 14	9 55	0 26	10 50	0 57	20 18	1 24	20 55	0 1	21 7	1 14	5 7	14 37	9 13	9 31	8 20		n.a.
T 17	18 26	19 7	4 36	14 26	0 25	0s23	2 16	10 11	0 25	10 54	0 57	20 18	1 24	20 54	0 1	21 7	1 14	5 6	14 37	9 17	9 32	8 22		n.a.
W18	18 42	18 59	3 58	15 1	0 18	0 48	2 18	10 27	0 25	10 59	0 57	20 17	1 24	20 54	0 1	21 7	1 14	5 6	14 37	9 20	9 34	8 24		n.a.
T 19	18 57	17 44	3 7	15 37	0 11	1 13	2 19	10 43	0 24	11 4	0 57	20 16	1 24	20 53	0 1	21 6	1 14	5 5	14 37	9 22	9 35	8 26		n.a.
F 20	19 13	15 33	2 8	16 11	0 4	1 38	2 21	10 59	0 24	11 8	0 57	20 15	1 23	20 53	0 1	21 6	1 14	5 4	14 38	9 22	9 36	8 28		n.a.
S 21	19 28	12 40	1 4	16 45	0s 3	2 4	2 23	11 15	0 23	11 13	0 57	20 15	1 23	20 52	0 1	21 6	1 14	5 4	14 38	9 23	9 37	8 29		n.a.
S 22	19 42	9 17	0s 2	17 18	0 10	2 30	2 24	11 30	0 23	11 17	0 57	20 14	1 23	20 52	0 1	21 6	1 14	5 3	14 38	9 23	9 38	8 31		n.a.
M23	19 56	5 35	1 5	17 51	0 16	2 55	2 25	11 46	0 22	11 22	0 57	20 13	1 23	20 51	0 1	21 5	1 14	5 3	14 38	9 23	9 40	8 33		n.a.
T 24	20 10	1 43	2 5	18 23	0 23	3 21	2 26	12 1	0 21	11 26	0 57	20 12	1 23	20 51	0 1	21 5	1 14	5 2	14 39	9 24	9 41	8 35		n.a.
W25	20 23	2n11	2 59	18 54	0 29	3 47	2 27	12 17	0 21	11 30	0 57	20 12	1 23	20 50	0 1	21 5	1 14	5 2	14 39	9 25	9 42	8 37		n.a.
T 26	20 36	5 59	3 45	19 24	0 36	4 13	2 28	12 32	0 20	11 35	0 57	20 11	1 23	20 50	0 1	21 5	1 14	5 1	14 39	9 28	9 43	8 39		n.a.
F 27	20 49	9 34	4 21	19 54	0 42	4 39	2 29	12 47	0 20	11 39	0 57	20 10	1 23	20 49	0 1	21 5	1 14	5 1	14 39	9 32	9 44	8 40		n.a.
S 28	21 1	12 47	4 46	20 22	0 48	5 5	2 29	13 3	0 19	11 43	0 57	20 9	1 23	20 49	0 1	21 4	1 14	5 0	14 40	9 37	9 45	8 42		n.a.
S 29	21 13	15 31	4 58	20 50	0 54	5 31	2 30	13 18	0 18	11 48	0 57	20 8	1 23	20 48	0 1	21 4	1 14	5 0	14 40	9 43	9 47	8 44		n.a.
M30	21s24	17n35	4s57	21s17	1s 0	5s57	2n30	13s33	0n18	11s52	0n57	20n 8	1s23	20n48	0s 1	21n 4	1s14	4n59	14n40	9n48	9n48	8n46		n.a.

Julian Day Number = 1635163.5, Delta T = 03h39m36s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'49, Lahiri = - 7°12'48 Julian Calendar 1 Nov. 237 BCE == Greg. Calendar 28 Oct. 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 237 BCE
geocentric

DECEMBER 237 BCE (-236) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 24 14	6♐ 6'35	24♊14	1♐11	22♎ 5	7♏ 9	3♏30	5°R28	1°R57	10°R26	21♎53	4°R43	4♍56	3♉50	n.a.	T 1
W 2	4 28 11	7° 7'50	6♋37	2°46	23°15	7°52	3°43	5♊23	1♊54	10♊24	21°55	4♍31	4°53	3°57	n.a.	W 2
T 3	4 32 7	8° 9'05	19° 9	4°22	24°25	8°35	3°55	5°18	1°52	10°22	21°57	4°22	4°49	4° 3	n.a.	T 3
F 4	4 36 4	9°10'20	1♌51	5°58	25°35	9°18	4° 7	5°13	1°49	10°21	21°58	4°16	4°46	4°10	n.a.	F 4
S 5	4 40 0	10°11'35	14°46	7°34	26°45	10° 1	4°19	5° 8	1°47	10°19	22° 0	4°12	4°43	4°17	n.a.	S 5
S 6	4 43 57	11°12'50	27°57	9°10	27°55	10°44	4°31	5° 3	1°44	10°17	22° 2	4°11	4°40	4°23	n.a.	S 6
M 7	4 47 53	12°14'05	11♍24	10°47	29° 6	11°27	4°43	4°58	1°42	10°15	22° 4	4°11	4°37	4°30	n.a.	M 7
T 8	4 51 50	13°15'20	25°12	12°24	0♏16	12°11	4°55	4°53	1°39	10°14	22° 5	4°11	4°33	4°37	n.a.	T 8
W 9	4 55 46	14°16'35	9♎21	14° 2	1°27	12°54	5° 7	4°48	1°37	10°12	22° 7	4° 9	4°30	4°44	n.a.	W 9
T 10	4 59 43	15°17'50	23°51	15°40	2°38	13°37	5°19	4°44	1°34	10°10	22° 9	4° 5	4°27	4°50	n.a.	T 10
F 11	5 3 40	16°19'04	8♏38	17°19	3°49	14°20	5°31	4°39	1°32	10° 9	22°11	3°57	4°24	4°57	n.a.	F 11
S 12	5 7 36	17°20'19	23°35	18°58	4°59	15° 4	5°42	4°34	1°29	10° 7	22°12	3°47	4°21	5° 4	n.a.	S 12
S 13	5 11 33	18°21'33	8♐36	20°37	6°11	15°47	5°54	4°29	1°27	10° 5	22°14	3°36	4°18	5°10	n.a.	S 13
M14	5 15 29	19°22'47	23°29	22°17	7°22	16°31	6° 6	4°24	1°24	10° 4	22°15	3°24	4°14	5°17	n.a.	M14
T 15	5 19 26	20°24'00	8♑ 5	23°58	8°33	17°14	6°17	4°20	1°22	10° 2	22°17	3°14	4°11	5°24	n.a.	T 15
W16	5 23 22	21°25'13	22°18	25°38	9°44	17°58	6°28	4°15	1°20	10° 0	22°18	3° 6	4° 8	5°30	n.a.	W16
T 17	5 27 19	22°26'25	6♒ 4	27°20	10°56	18°41	6°40	4°10	1°17	9°59	22°20	3° 0	4° 5	5°37	n.a.	T 17
F 18	5 31 16	23°27'35	19°21	29° 2	12° 7	19°25	6°51	4° 6	1°15	9°57	22°21	2°57	4° 2	5°44	n.a.	F 18
S 19	5 35 12	24°28'45	2♓12	0♑44	13°19	20° 9	7° 2	4° 1	1°13	9°55	22°23	2°D56	3°59	5°51	n.a.	S 19
S 20	5 39 9	25°29'54	14°40	2°26	14°30	20°52	7°13	3°57	1°10	9°54	22°24	2°57	3°55	5°57	n.a.	S 20
M21	5 43 5	26°31'01	26°51	4° 9	15°42	21°36	7°24	3°52	1° 8	9°52	22°25	2°R57	3°52	6° 4	n.a.	M21
T 22	5 47 2	27°32'08	8♈49	5°52	16°54	22°20	7°35	3°48	1° 6	9°50	22°27	2°56	3°49	6°11	n.a.	T 22
W23	5 50 58	28°33'13	20°41	7°35	18° 6	23° 4	7°46	3°44	1° 3	9°49	22°28	2°53	3°46	6°17	n.a.	W23
T 24	5 54 55	29°34'17	2♉30	9°19	19°18	23°47	7°56	3°39	1° 1	9°47	22°29	2°48	3°43	6°24	n.a.	T 24
F 25	5 58 51	0♑35'20	14°22	11° 2	20°30	24°31	8° 7	3°35	0°59	9°46	22°30	2°40	3°39	6°31	n.a.	F 25
S 26	6 2 48	1°36'22	26°20	12°46	21°42	25°15	8°17	3°31	0°57	9°44	22°32	2°31	3°36	6°38	n.a.	S 26
S 27	6 6 45	2°37'22	8♊27	14°29	22°54	25°59	8°28	3°27	0°55	9°42	22°33	2°19	3°33	6°44	n.a.	S 27
M28	6 10 41	3°38'22	20°44	16°11	24° 6	26°43	8°38	3°23	0°53	9°41	22°34	2° 8	3°30	6°51	n.a.	M28
T 29	6 14 38	4°39'20	3♋12	17°53	25°18	27°27	8°48	3°19	0°51	9°39	22°35	1°56	3°27	6°58	n.a.	T 29
W30	6 18 34	5°40'18	15°51	19°34	26°30	28°11	8°59	3°15	0°49	9°38	22°36	1°47	3°24	7° 4	n.a.	W30
T 31	6 22 31	6♑41'14	28♋42	21♑14	27♏43	28♏55	9♏ 9	3♊12	0♊47	9♊36	22♎37	1♍40	3♍20	7♉11	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21 s35	18n53	4 s42	21 s42	1 s 5	6 s23	2n30	13 s47	0n17	11 s56	0n57	20n 7	1 s23	20n47	0 s 1	21n 4	1 s14	4n59	14n40	9n53	9n49	8n48		n.a.
W 2	21 45	19 19	4 14	22 7	1 11	6 49	2 30	14 2	0 16	12 0	0 57	20 6	1 22	20 47	0 1	21 3	1 14	4 59	14 41	9 58	9 50	8 50		n.a.
T 3	21 55	18 49	3 34	22 31	1 16	7 15	2 30	14 17	0 16	12 5	0 57	20 5	1 22	20 46	0 1	21 3	1 14	4 58	14 41	10 1	9 51	8 51		n.a.
F 4	22 5	17 21	2 42	22 53	1 21	7 41	2 30	14 31	0 15	12 9	0 57	20 4	1 22	20 46	0 1	21 3	1 14	4 58	14 41	10 4	9 52	8 53		n.a.
S 5	22 14	14 59	1 41	23 14	1 26	8 7	2 30	14 46	0 15	12 13	0 57	20 4	1 22	20 45	0 1	21 3	1 14	4 57	14 42	10 5	9 54	8 55		n.a.
S 6	22 23	11 49	0 33	23 35	1 31	8 32	2 29	15 0	0 14	12 17	0 57	20 3	1 22	20 45	0 1	21 2	1 14	4 57	14 42	10 5	9 55	8 57		n.a.
M 7	22 32	7 57	0n38	23 53	1 35	8 58	2 29	15 14	0 13	12 21	0 57	20 2	1 22	20 44	0 1	21 2	1 14	4 57	14 42	10 5	9 56	8 59		n.a.
T 8	22 39	3 35	1 49	24 11	1 39	9 23	2 28	15 28	0 13	12 25	0 57	20 1	1 22	20 44	0 1	21 2	1 14	4 56	14 43	10 5	9 57	9 1		n.a.
W 9	22 47	1 s 5	2 54	24 27	1 43	9 49	2 27	15 42	0 12	12 29	0 57	20 1	1 22	20 43	0 1	21 2	1 14	4 56	14 43	10 6	9 58	9 2		n.a.
T 10	22 54	5 47	3 51	24 42	1 46	10 14	2 27	15 56	0 11	12 33	0 57	20 0	1 21	20 43	0 1	21 1	1 14	4 56	14 43	10 8	9 59	9 4		n.a.
F 11	23 1	10 15	4 32	24 56	1 50	10 39	2 26	16 10	0 11	12 37	0 57	19 59	1 21	20 42	0 1	21 1	1 14	4 56	14 44	10 10	10 1	9 6		n.a.
S 12	23 7	14 6	4 56	25 8	1 53	11 4	2 25	16 23	0 10	12 41	0 57	19 58	1 21	20 42	0 1	21 1	1 14	4 55	14 44	10 14	10 2	9 8		n.a.
S 13	23 12	17 4	5 0	25 18	1 55	11 29	2 24	16 37	0 9	12 45	0 57	19 58	1 21	20 41	0 1	21 1	1 14	4 55	14 44	10 18	10 3	9 10		n.a.
M14	23 17	18 51	4 43	25 27	1 58	11 53	2 22	16 50	0 9	12 48	0 57	19 57	1 21	20 41	0 1	21 0	1 14	4 55	14 45	10 22	10 4	9 12		n.a.
T 15	23 22	19 21	4 8	25 34	2 0	12 18	2 21	17 3	0 8	12 52	0 57	19 56	1 21	20 40	0 0	21 0	1 14	4 55	14 45	10 26	10 5	9 13		n.a.
W16	23 26	18 36	3 18	25 40	2 1	12 42	2 20	17 16	0 7	12 56	0 57	19 55	1 21	20 40	0 0	21 0	1 14	4 54	14 45	10 29	10 6	9 15		n.a.
T 17	23 30	16 45	2 18	25 44	2 2	13 6	2 18	17 29	0 6	13 0	0 58	19 55	1 20	20 39	0 0	21 0	1 13	4 54	14 46	10 31	10 8	9 17		n.a.
F 18	23 33	14 4	1 12	25 46	2 3	13 29	2 17	17 42	0 6	13 3	0 58	19 54	1 20	20 39	0 0	21 0	1 13	4 54	14 46	10 32	10 9	9 19		n.a.
S 19	23 36	10 45	0 4	25 47	2 4	13 53	2 15	17 54	0 5	13 7	0 58	19 53	1 20	20 38	0 0	20 59	1 13	4 54	14 47	10 33	10 10	9 21		n.a.
S 20	23 39	7 3	1 s 2	25 45	2 3	14 16	2 13	18 7	0 4	13 11	0 58	19 53	1 20	20 38	0 0	20 59	1 13	4 54	14 47	10 33	10 11	9 22		n.a.
M21	23 40	3 9	2 4	25 42	2 3	14 38	2 11	18 19	0 4	13 14	0 58	19 52	1 20	20 37	0 0	20 59	1 13	4 54	14 47	10 33	10 12	9 24		n.a.
T 22	23 42	0n48	2 59	25 37	2 2	15 1	2 10	18 31	0 3	13 18	0 58	19 51	1 20	20 37	0 0	20 59	1 13	4 54	14 48	10 33	10 13	9 26		n.a.
W23	23 43	4 41	3 46	25 30	2 0	15 23	2 8	18 43	0 2	13 21	0 58	19 51	1 20	20 36	0 0	20 58	1 13	4 53	14 48	10 34	10 15	9 28		n.a.
T 24	23 43	8 23	4 23	25 21	1 58	15 45	2 6	18 55	0 1	13 25	0 58	19 50	1 19	20 36	0 0	20 58	1 13	4 53	14 49	10 36	10 16	9 30		n.a.
F 25	23 43	11 45	4 48	25 10	1 55	16 6	2 3	19 7	0 1	13 28	0 58	19 49	1 19	20 35	0 0	20 58	1 13	4 53	14 49	10 39	10 17	9 32		n.a.
S 26	23 43	14 40	5 2	24 57	1 51	16 27	2 1	19 18	0 0	13 31	0 58	19 49	1 19	20 35	0 0	20 58	1 13	4 53	14 49	10 42	10 18	9 33		n.a.
S 27	23 42	17 0	5 2	24 42	1 47	16 48	1 59	19 29	0 s 1	13 35	0 58	19 48	1 19	20 35	0 0	20 58	1 13	4 53	14 50	10 46	10 19	9 35		n.a.
M28	23 40	18 36	4 48	24 25	1 42	17 8	1 57	19 40	0 1	13 38	0 58	19 48	1 19	20 34	0 0	20 57	1 13	4 53	14 50	10 50	10 20	9 37		n.a.
T 29	23 38	19 21	4 20	24 7	1 37	17 28	1 54	19 51	0 2	13 41	0 58	19 47	1 18	20 34	0 0	20 57	1 13	4 53	14 51	10 54	10 22	9 39		n.a.
W30	23 36	19 8	3 39	23 46	1 31	17 47	1 52	20 2	0 3	13 44	0 58	19 46	1 18	20 33	0 0	20 57	1 13	4 53	14 51	10 58	10 23	9 41		n.a.
T 31	23 s33	17n57	2 s47	23 s24	1 s23	18 s 6	1n49	20 s13	0 s 4	13 s48	0n58	19n46	1 s18	20n33	0 s 0	20n57	1 s13	4n53	14n51	11n 0	10n24	9n42		n.a.

Julian Day Number = 1635193.5, Delta T = 03h39m35s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'45, Lahiri = - 7°12'44 Julian Calendar 1 Dec. 237 BCE == Greg. Calendar 27 Nov. 237 BCE

The year -236 astronomical counting style corresponds to year 237 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

JANUARY 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 26 27	7♉42'09	11♌44	22♉52	28♏55	29♏39	9♏18	3°R 8	0°R45	9°R35	22♎38	1°R35	3♍17	7♑18	n.a.	F 1
S 2	6 30 24	8°43'03	24°57	24°29	0♐ 7	0♐23	9°28	3♊ 4	0♊43	9♊34	22°39	1♍33	3°14	7°25	n.a.	S 2
S 3	6 34 20	9°43'56	8♍21	26° 2	1°20	1° 7	9°38	3° 1	0°41	9°32	22°40	1°D33	3°11	7°31	n.a.	S 3
M 4	6 38 17	10°44'48	21°57	27°33	2°32	1°51	9°48	2°58	0°39	9°31	22°41	1°34	3° 8	7°38	n.a.	M 4
T 5	6 42 14	11°45'38	5♎46	29° 0	3°45	2°36	9°57	2°54	0°38	9°29	22°42	1°R35	3° 5	7°45	n.a.	T 5
W 6	6 46 10	12°46'28	19°47	0♒23	4°57	3°20	10° 6	2°51	0°36	9°28	22°43	1°35	3° 1	7°51	n.a.	W 6
T 7	6 50 7	13°47'17	4♏ 1	1°42	6°10	4° 4	10°16	2°48	0°34	9°27	22°43	1°33	2°58	7°58	n.a.	T 7
F 8	6 54 3	14°48'04	18°26	2°54	7°23	4°48	10°25	2°45	0°33	9°25	22°44	1°29	2°55	8° 5	n.a.	F 8
S 9	6 58 0	15°48'51	2♐57	4° 1	8°35	5°33	10°34	2°42	0°31	9°24	22°45	1°24	2°52	8°11	n.a.	S 9
S 10	7 1 56	16°49'36	17°29	5° 0	9°48	6°17	10°43	2°39	0°29	9°23	22°46	1°17	2°49	8°18	n.a.	S 10
M11	7 5 53	17°50'20	1♑57	5°52	11° 1	7° 1	10°52	2°36	0°28	9°21	22°46	1° 9	2°45	8°25	n.a.	M11
T 12	7 9 49	18°51'03	16°13	6°35	12°14	7°46	11° 0	2°34	0°26	9°20	22°47	1° 3	2°42	8°32	n.a.	T 12
W13	7 13 46	19°51'44	0♒12	7° 9	13°26	8°30	11° 9	2°31	0°25	9°19	22°47	0°57	2°39	8°38	n.a.	W13
T 14	7 17 43	20°52'23	13°49	7°33	14°39	9°15	11°17	2°28	0°24	9°18	22°48	0°54	2°36	8°45	n.a.	T 14
F 15	7 21 39	21°53'00	27° 4	7°47	15°52	9°59	11°25	2°26	0°22	9°17	22°48	0°D53	2°33	8°52	n.a.	F 15
S 16	7 25 36	22°53'36	9♓56	7°R51	17° 5	10°44	11°34	2°24	0°21	9°15	22°49	0°53	2°30	8°58	n.a.	S 16
S 17	7 29 32	23°54'10	22°27	7°44	18°18	11°28	11°42	2°22	0°20	9°14	22°49	0°54	2°26	9° 5	n.a.	S 17
M18	7 33 29	24°54'42	4♈42	7°27	19°31	12°13	11°49	2°20	0°18	9°13	22°50	0°56	2°23	9°12	n.a.	M18
T 19	7 37 25	25°55'11	16°43	7° 0	20°44	12°58	11°57	2°18	0°17	9°12	22°50	0°57	2°20	9°19	n.a.	T 19
W20	7 41 22	26°55'39	28°37	6°24	21°57	13°42	12° 5	2°16	0°16	9°11	22°50	0°R58	2°17	9°25	n.a.	W20
T 21	7 45 18	27°56'05	10♉29	5°40	23°10	14°27	12°12	2°14	0°15	9°10	22°51	0°57	2°14	9°32	n.a.	T 21
F 22	7 49 15	28°56'29	22°22	4°48	24°23	15°12	12°20	2°12	0°14	9° 9	22°51	0°54	2°10	9°39	n.a.	F 22
S 23	7 53 12	29°56'51	4♊23	3°51	25°36	15°56	12°27	2°11	0°13	9° 8	22°51	0°51	2° 7	9°45	n.a.	S 23
S 24	7 57 8	0♒57'11	16°33	2°49	26°49	16°41	12°34	2° 9	0°12	9° 7	22°51	0°46	2° 4	9°52	n.a.	S 24
M25	8 1 5	1°57'28	28°57	1°45	28° 2	17°26	12°41	2° 8	0°11	9° 6	22°51	0°41	2° 1	9°59	n.a.	M25
T 26	8 5 1	2°57'44	11♋36	0°40	29°15	18°10	12°47	2° 7	0°11	9° 5	22°52	0°36	1°58	10° 6	n.a.	T 26
W27	8 8 58	3°57'58	24°32	29♉35	0♉28	18°55	12°54	2° 6	0°10	9° 5	22°52	0°32	1°55	10°12	n.a.	W27
T 28	8 12 54	4°58'10	7♌43	28°33	1°41	19°40	13° 0	2° 5	0° 9	9° 4	22°52	0°29	1°51	10°19	n.a.	T 28
F 29	8 16 51	5°58'20	21° 8	27°34	2°54	20°25	13° 7	2° 4	0° 8	9° 3	22°R52	0°27	1°48	10°26	n.a.	F 29
S 30	8 20 47	6°58'28	4♍47	26°39	4° 8	21°10	13°13	2° 3	0° 8	9° 2	22°52	0°D27	1°45	10°32	n.a.	S 30
S 31	8 24 44	7♒58'34	18♍36	25♉50	5♉21	21♐55	13♏19	2♊ 3	0♊ 7	9♊ 1	22♎52	0♍28	1♍42	10♑39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s30	15n48	1s44	23s 0	1s16	18s25	1n47	20s23	0s 4	13s51	0n58	19n45	1s18	20n33	0s 0	20n57	1s13	4n53	14n52	11n 2	10n25	9n44		n.a.
S 2	23 26	12 48	0 35	22 34	1 7	18 43	1 44	20 33	0 5	13 54	0 58	19 45	1 18	20 32	0 0	20 56	1 13	4 53	14 52	11 3	10 26	9 46		n.a.
S 3	23 22	9 6	0n36	22 7	0 57	19 1	1 42	20 43	0 6	13 57	0 58	19 44	1 18	20 32	0 0	20 56	1 13	4 53	14 53	11 3	10 27	9 48		n.a.
M 4	23 17	4 52	1 48	21 39	0 47	19 18	1 39	20 53	0 7	14 0	0 59	19 44	1 17	20 31	0 0	20 56	1 13	4 54	14 53	11 2	10 29	9 50		n.a.
T 5	23 12	0 20	2 53	21 10	0 35	19 34	1 36	21 3	0 7	14 3	0 59	19 43	1 17	20 31	0 0	20 56	1 13	4 54	14 54	11 2	10 30	9 51		n.a.
W 6	23 6	4s17	3 50	20 41	0 23	19 51	1 33	21 12	0 8	14 6	0 59	19 43	1 17	20 31	0 0	20 56	1 13	4 54	14 54	11 2	10 31	9 53		n.a.
T 7	23 0	8 43	4 33	20 11	0 10	20 6	1 31	21 21	0 9	14 8	0 59	19 43	1 17	20 30	0 0	20 56	1 13	4 54	14 55	11 3	10 32	9 55		n.a.
F 8	22 53	12 43	5 0	19 41	0n 4	20 21	1 28	21 30	0 10	14 11	0 59	19 42	1 17	20 30	0 0	20 55	1 13	4 54	14 55	11 4	10 33	9 57		n.a.
S 9	22 46	15 58	5 8	19 11	0 19	20 36	1 25	21 39	0 11	14 14	0 59	19 42	1 16	20 30	0 0	20 55	1 13	4 54	14 55	11 6	10 34	9 59		n.a.
S 10	22 39	18 13	4 56	18 41	0 34	20 50	1 22	21 48	0 11	14 17	0 59	19 41	1 16	20 29	0 0	20 55	1 13	4 54	14 56	11 9	10 36	10 0		n.a.
M11	22 31	19 17	4 25	18 13	0 50	21 3	1 19	21 56	0 12	14 19	0 59	19 41	1 16	20 29	0 0	20 55	1 13	4 55	14 56	11 11	10 37	10 2		n.a.
T 12	22 23	19 7	3 38	17 47	1 6	21 16	1 16	22 5	0 13	14 22	0 59	19 41	1 16	20 29	0 0	20 55	1 13	4 55	14 57	11 14	10 38	10 4		n.a.
W13	22 14	17 46	2 39	17 22	1 23	21 28	1 13	22 13	0 14	14 25	0 59	19 41	1 16	20 28	0 0	20 55	1 13	4 55	14 57	11 16	10 39	10 6		n.a.
T 14	22 5	15 25	1 31	16 59	1 40	21 40	1 10	22 20	0 15	14 27	0 59	19 40	1 15	20 28	0 0	20 55	1 13	4 55	14 58	11 17	10 40	10 8		n.a.
F 15	21 55	12 19	0 21	16 39	1 57	21 51	1 7	22 28	0 15	14 30	0 59	19 40	1 15	20 28	0 0	20 54	1 13	4 55	14 58	11 17	10 41	10 9		n.a.
S 16	21 45	8 41	0s49	16 22	2 14	22 2	1 4	22 35	0 16	14 32	0 59	19 40	1 15	20 28	0 0	20 54	1 13	4 56	14 59	11 17	10 42	10 11		n.a.
S 17	21 35	4 47	1 55	16 8	2 30	22 11	1 1	22 42	0 17	14 35	1 0	19 40	1 15	20 27	0 0	20 54	1 13	4 56	14 59	11 17	10 44	10 13		n.a.
M18	21 24	0 46	2 54	15 58	2 45	22 21	0 58	22 49	0 18	14 37	1 0	19 39	1 14	20 27	0 0	20 54	1 12	4 56	14 59	11 16	10 45	10 15		n.a.
T 19	21 13	3n12	3 44	15 51	3 0	22 29	0 55	22 56	0 19	14 39	1 0	19 39	1 14	20 27	0 0	20 54	1 12	4 57	15 0	11 16	10 46	10 17		n.a.
W20	21 1	7 0	4 24	15 47	3 13	22 37	0 51	23 2	0 19	14 42	1 0	19 39	1 14	20 27	0 0	20 54	1 12	4 57	15 0	11 16	10 47	10 18		n.a.
T 21	20 49	10 30	4 53	15 47	3 24	22 44	0 48	23 8	0 20	14 44	1 0	19 39	1 14	20 26	0 0	20 54	1 12	4 57	15 1	11 16	10 48	10 20		n.a.
F 22	20 37	13 36	5 9	15 50	3 34	22 51	0 45	23 14	0 21	14 46	1 0	19 39	1 14	20 26	0 0	20 54	1 12	4 57	15 1	11 17	10 49	10 22		n.a.
S 23	20 24	16 10	5 12	15 56	3 41	22 57	0 42	23 20	0 22	14 48	1 0	19 39	1 13	20 26	0 0	20 53	1 12	4 58	15 2	11 18	10 51	10 24		n.a.
S 24	20 11	18 3	5 1	16 5	3 47	23 2	0 39	23 25	0 23	14 50	1 0	19 39	1 13	20 26	0 0	20 53	1 12	4 58	15 2	11 20	10 52	10 25		n.a.
M25	19 57	19 8	4 35	16 16	3 50	23 7	0 36	23 31	0 24	14 52	1 0	19 39	1 13	20 26	0 0	20 53	1 12	4 59	15 3	11 22	10 53	10 27		n.a.
T 26	19 44	19 17	3 56	16 29	3 51	23 11	0 33	23 36	0 24	14 54	1 0	19 39	1 13	20 26	0 0	20 53	1 12	4 59	15 3	11 23	10 54	10 29		n.a.
W27	19 29	18 27	3 4	16 44	3 50	23 14	0 29	23 40	0 25	14 56	1 0	19 39	1 12	20 25	0 0	20 53	1 12	4 59	15 4	11 25	10 55	10 31		n.a.
T 28	19 15	16 36	2 2	17 0	3 46	23 16	0 26	23 45	0 26	14 58	1 0	19 39	1 12	20 25	0 0	20 53	1 12	5 0	15 4	11 26	10 56	10 33		n.a.
F 29	19 0	13 49	0 51	17 17	3 41	23 18	0 23	23 49	0 27	15 0	1 1	19 39	1 12	20 25	0 0	20 53	1 12	5 0	15 4	11 26	10 57	10 34		n.a.
S 30	18 45	10 14	0n24	17 34	3 34	23 19	0 20	23 53	0 28	15 2	1 1	19 39	1 12	20 25	0 0	20 53	1 12	5 1	15 5	11 27	10 59	10 36		n.a.
S 31	18s29	6n 4	1n38	17s52	3n26	23s20	0n17	23s57	0s29	15s 3	1n 1	19n39	1s12	20n25	0s 0	20n53	1s12	5n 1	15n 5	11n26	11n 0	10n38		n.a.

Julian Day Number = 1635224.5, Delta T = 03h39m34s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'40, Lahiri = - 7°12'40 Julian Calendar 1 Jan. 236 BCE == Greg. Calendar 28 Dec. 237 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

FEBRUARY 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 28 41	8♒58'38	2♎34	25°R 7	6♑34	22♐40	13♏25	2°R 2	0°R 7	9°R 1	22°R51	0♍29	1♍39	10♉46	n.a.	M 1
T 2	8 32 37	9°58'41	16°38	24♑31	7°47	23°25	13°30	2♊ 2	0♊ 6	9♊ 0	22♎51	0°31	1°36	10°53	n.a.	T 2
W 3	8 36 34	10°58'42	0♏47	24° 1	9° 0	24°10	13°36	2° 1	0° 6	8°59	22°51	0°32	1°32	10°59	n.a.	W 3
T 4	8 40 30	11°58'41	14°59	23°38	10°14	24°55	13°41	2° 1	0° 6	8°59	22°51	0°R32	1°29	11° 6	n.a.	T 4
F 5	8 44 27	12°58'39	29°10	23°22	11°27	25°40	13°46	2°D 1	0° 5	8°58	22°51	0°31	1°26	11°13	n.a.	F 5
S 6	8 48 23	13°58'35	13♐20	23°12	12°40	26°25	13°52	2° 1	0° 5	8°58	22°50	0°30	1°23	11°19	n.a.	S 6
S 7	8 52 20	14°58'29	27°26	23°D 9	13°53	27°10	13°56	2° 1	0° 5	8°57	22°50	0°28	1°20	11°26	n.a.	S 7
M 8	8 56 16	15°58'21	11♑23	23°12	15° 7	27°55	14° 1	2° 2	0° 5	8°57	22°50	0°26	1°16	11°33	n.a.	M 8
T 9	9 0 13	16°58'12	25°10	23°21	16°20	28°40	14° 6	2° 2	0° 5	8°56	22°49	0°24	1°13	11°40	n.a.	T 9
W10	9 4 10	17°58'00	8♒43	23°36	17°33	29°25	14°10	2° 3	0°D 5	8°56	22°49	0°23	1°10	11°46	n.a.	W10
T 11	9 8 6	18°57'46	22° 1	23°57	18°47	0♑10	14°14	2° 3	0° 5	8°56	22°49	0°22	1° 7	11°53	n.a.	T 11
F 12	9 12 3	19°57'31	5♓ 2	24°22	20° 0	0°55	14°18	2° 4	0° 5	8°55	22°48	0°D22	1° 4	12° 0	n.a.	F 12
S 13	9 15 59	20°57'13	17°46	24°52	21°13	1°40	14°22	2° 5	0° 5	8°55	22°48	0°22	1° 1	12° 6	n.a.	S 13
S 14	9 19 56	21°56'52	0♈14	25°26	22°26	2°26	14°26	2° 6	0° 5	8°55	22°47	0°23	0°57	12°13	n.a.	S 14
M15	9 23 52	22°56'30	12°28	26° 5	23°40	3°11	14°29	2° 7	0° 5	8°54	22°46	0°24	0°54	12°20	n.a.	M15
T 16	9 27 49	23°56'05	24°31	26°47	24°53	3°56	14°33	2° 8	0° 6	8°54	22°46	0°25	0°51	12°27	n.a.	T 16
W17	9 31 45	24°55'37	6♉26	27°33	26° 6	4°41	14°36	2° 9	0° 6	8°54	22°45	0°25	0°48	12°33	n.a.	W17
T 18	9 35 42	25°55'08	18°18	28°22	27°20	5°26	14°39	2°11	0° 6	8°54	22°44	0°26	0°45	12°40	n.a.	T 18
F 19	9 39 38	26°54'36	0♊12	29°15	28°33	6°12	14°41	2°12	0° 7	8°54	22°44	0°R26	0°42	12°47	n.a.	F 19
S 20	9 43 35	27°54'01	12°13	0♒11	29°46	6°57	14°44	2°14	0° 7	8°54	22°43	0°26	0°38	12°53	n.a.	S 20
S 21	9 47 32	28°53'25	24°23	1°10	1♒ 0	7°42	14°46	2°15	0° 8	8°54	22°42	0°25	0°35	13° 0	n.a.	S 21
M22	9 51 28	29°52'46	6♋49	2°11	2°13	8°27	14°49	2°17	0° 8	8°D54	22°41	0°25	0°32	13° 7	n.a.	M22
T 23	9 55 25	0♓52'04	19°33	3°15	3°26	9°13	14°51	2°19	0° 9	8°54	22°41	0°D25	0°29	13°14	n.a.	T 23
W24	9 59 21	1°51'20	2♌37	4°21	4°40	9°58	14°53	2°21	0°10	8°54	22°40	0°25	0°26	13°20	n.a.	W24
T 25	10 3 18	2°50'34	16° 3	5°30	5°53	10°43	14°54	2°23	0°11	8°54	22°39	0°26	0°22	13°27	n.a.	T 25
F 26	10 7 14	3°49'45	29°49	6°41	7° 6	11°28	14°56	2°26	0°11	8°54	22°38	0°R26	0°19	13°34	n.a.	F 26
S 27	10 11 11	4°48'55	13♍52	7°53	8°20	12°14	14°57	2°28	0°12	8°54	22°37	0°26	0°16	13°41	n.a.	S 27
S 28	10 15 7	5♓48'02	28♍10	9♒ 9	9♒33	12♑59	14♏58	2♊30	0♊13	8♊54	22♎36	0♍25	0♍13	13♉47	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s13	1n32	2n48	18s 9	3n16	23s20	0n14	24s 0	0s30	15s 5	1n 1	19n39	1s11	20n25	0s 0	20n53	1s12	5n 1	15n 6	11n26	11n 1	10n40		n.a.
T 2	17 57	3s 7	3 48	18 26	3 5	23 19	0 11	24 4	0 30	15 7	1 1	19 39	1 11	20 25	0n 0	20 53	1 12	5 2	15 6	11 25	11 2	10 41		n.a.
W 3	17 41	7 36	4 34	18 43	2 53	23 17	0 8	24 7	0 31	15 8	1 1	19 39	1 11	20 25	0 0	20 53	1 12	5 2	15 7	11 25	11 3	10 43		n.a.
T 4	17 24	11 41	5 4	18 59	2 41	23 15	0 5	24 9	0 32	15 10	1 1	19 39	1 11	20 25	0 0	20 53	1 12	5 3	15 7	11 25	11 4	10 45		n.a.
F 5	17 7	15 5	5 15	19 15	2 28	23 12	0 2	24 12	0 33	15 11	1 1	19 40	1 10	20 25	0 0	20 52	1 12	5 3	15 8	11 25	11 5	10 47		n.a.
S 6	16 50	17 35	5 8	19 29	2 15	23 8	0s 1	24 14	0 34	15 13	1 1	19 40	1 10	20 24	0 0	20 52	1 12	5 4	15 8	11 26	11 7	10 49		n.a.
S 7	16 32	19 0	4 41	19 43	2 1	23 4	0 4	24 16	0 35	15 14	1 1	19 40	1 10	20 24	0 0	20 52	1 12	5 4	15 8	11 26	11 8	10 50		n.a.
M 8	16 14	19 16	3 59	19 56	1 48	22 58	0 7	24 18	0 36	15 15	1 2	19 40	1 10	20 24	0 0	20 52	1 12	5 5	15 9	11 27	11 9	10 52		n.a.
T 9	15 56	18 22	3 3	20 8	1 34	22 53	0 10	24 19	0 36	15 17	1 2	19 41	1 10	20 24	0 0	20 52	1 12	5 5	15 9	11 28	11 10	10 54		n.a.
W10	15 38	16 25	1 57	20 18	1 21	22 46	0 13	24 21	0 37	15 18	1 2	19 41	1 9	20 24	0 0	20 52	1 11	5 6	15 10	11 28	11 11	10 56		n.a.
T 11	15 19	13 36	0 46	20 28	1 8	22 39	0 16	24 22	0 38	15 19	1 2	19 41	1 9	20 24	0 0	20 52	1 11	5 7	15 10	11 28	11 12	10 57		n.a.
F 12	15 0	10 11	0s26	20 36	0 55	22 31	0 19	24 22	0 39	15 20	1 2	19 42	1 9	20 24	0 0	20 52	1 11	5 7	15 11	11 28	11 13	10 59		n.a.
S 13	14 41	6 21	1 35	20 43	0 42	22 23	0 22	24 23	0 40	15 21	1 2	19 42	1 9	20 25	0 0	20 52	1 11	5 8	15 11	11 28	11 15	11 1		n.a.
S 14	14 21	2 19	2 38	20 49	0 30	22 14	0 24	24 23	0 41	15 22	1 2	19 42	1 8	20 25	0 0	20 52	1 11	5 8	15 11	11 28	11 16	11 3		n.a.
M15	14 2	1n43	3 33	20 54	0 18	22 4	0 27	24 23	0 42	15 23	1 2	19 43	1 8	20 25	0 0	20 52	1 11	5 9	15 12	11 28	11 17	11 4		n.a.
T 16	13 42	5 37	4 17	20 57	0 6	21 53	0 30	24 22	0 43	15 24	1 2	19 43	1 8	20 25	0 0	20 52	1 11	5 9	15 12	11 27	11 18	11 6		n.a.
W17	13 22	9 16	4 50	20 59	0s 5	21 42	0 32	24 22	0 44	15 25	1 3	19 44	1 8	20 25	0 0	20 52	1 11	5 10	15 13	11 27	11 19	11 8		n.a.
T 18	13 2	12 31	5 10	21 0	0 16	21 31	0 35	24 21	0 44	15 25	1 3	19 44	1 8	20 25	0 0	20 52	1 11	5 11	15 13	11 27	11 20	11 10		n.a.
F 19	12 41	15 16	5 17	20 59	0 27	21 18	0 37	24 20	0 45	15 26	1 3	19 45	1 7	20 25	0 0	20 52	1 11	5 11	15 13	11 27	11 21	11 11		n.a.
S 20	12 21	17 24	5 11	20 57	0 37	21 5	0 40	24 18	0 46	15 27	1 3	19 45	1 7	20 25	0 0	20 53	1 11	5 12	15 14	11 27	11 23	11 13		n.a.
S 21	12 0	18 46	4 50	20 53	0 46	20 52	0 42	24 17	0 47	15 28	1 3	19 46	1 7	20 25	0 0	20 53	1 11	5 12	15 14	11 27	11 24	11 15		n.a.
M22	11 39	19 17	4 16	20 48	0 55	20 37	0 45	24 15	0 48	15 28	1 3	19 46	1 7	20 25	0 0	20 53	1 11	5 13	15 14	11 27	11 25	11 17		n.a.
T 23	11 18	18 51	3 28	20 42	1 4	20 23	0 47	24 13	0 49	15 29	1 3	19 47	1 6	20 26	0 0	20 53	1 11	5 14	15 15	11 27	11 26	11 18		n.a.
W24	10 56	17 24	2 28	20 34	1 12	20 7	0 49	24 10	0 50	15 29	1 3	19 48	1 6	20 26	0 0	20 53	1 11	5 14	15 15	11 27	11 27	11 20		n.a.
T 25	10 35	14 58	1 19	20 25	1 20	19 51	0 52	24 7	0 51	15 29	1 3	19 48	1 6	20 26	0 0	20 53	1 11	5 15	15 16	11 27	11 28	11 22		n.a.
F 26	10 13	11 37	0 3	20 14	1 28	19 35	0 54	24 5	0 52	15 30	1 3	19 49	1 6	20 26	0 0	20 53	1 11	5 16	15 16	11 27	11 29	11 24		n.a.
S 27	9 51	7 33	1n14	20 2	1 35	19 18	0 56	24 1	0 52	15 30	1 4	19 50	1 6	20 26	0 0	20 53	1 11	5 16	15 16	11 27	11 31	11 25		n.a.
S 28	9s30	3n 0	2n28	19s48	1s41	19s 0	0s58	23s58	0s53	15s30	1n 4	19n50	1s 5	20n26	0n 0	20n53	1s11	5n17	15n17	11n27	11n32	11n27		n.a.

Julian Day Number = 1635255.5, Delta T = 03h39m33s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'36, Lahiri = - 7°12'36 Julian Calendar 1 Feb. 236 BCE == Greg. Calendar 28 Jan. 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

MARCH 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 19 4	6♓47'07	12♎37	10♒25	10♒46	13♑44	14♏59	2♊33	0♊14	8♊55	22°R35	0°R25	0♍10	13♉54	n.a.	M 1
T 2	10 23 0	7°46'10	27° 7	11°44	12° 0	14°30	15° 0	2°36	0°15	8°55	22♎34	0♍24	0° 7	14° 1	n.a.	T 2
W 3	10 26 57	8°45'11	11♏36	13° 5	13°13	15°15	15° 1	2°38	0°16	8°55	22°33	0°23	0° 3	14° 7	n.a.	W 3
T 4	10 30 54	9°44'11	25°58	14°28	14°27	16° 0	15° 1	2°41	0°17	8°56	22°32	0°22	0° 0	14°14	n.a.	T 4
F 5	10 34 50	10°43'09	10♐11	15°52	15°40	16°46	15° 1	2°44	0°19	8°56	22°31	0°D22	29♌57	14°21	n.a.	F 5
S 6	10 38 47	11°42'05	24°11	17°18	16°53	17°31	15°R 1	2°47	0°20	8°56	22°30	0°22	29°54	14°28	n.a.	S 6
S 7	10 42 43	12°40'59	7♑59	18°45	18° 7	18°16	15° 1	2°51	0°21	8°57	22°29	0°23	29°51	14°34	n.a.	S 7
M 8	10 46 40	13°39'51	21°33	20°15	19°20	19° 2	15° 1	2°54	0°23	8°57	22°27	0°24	29°47	14°41	n.a.	M 8
T 9	10 50 36	14°38'41	4♒54	21°46	20°33	19°47	15° 0	2°57	0°24	8°58	22°26	0°25	29°44	14°48	n.a.	T 9
W10	10 54 33	15°37'30	18° 1	23°18	21°47	20°32	14°59	3° 1	0°25	8°58	22°25	0°26	29°41	14°54	n.a.	W10
T 11	10 58 29	16°36'16	0♓55	24°52	23° 0	21°18	14°58	3° 4	0°27	8°59	22°24	0°R26	29°38	15° 1	n.a.	T 11
F 12	11 2 26	17°35'01	13°37	26°28	24°14	22° 3	14°57	3° 8	0°28	8°59	22°22	0°26	29°35	15° 8	n.a.	F 12
S 13	11 6 23	18°33'43	26° 7	28° 5	25°27	22°48	14°56	3°12	0°30	9° 0	22°21	0°25	29°32	15°15	n.a.	S 13
S 14	11 10 19	19°32'23	8♈25	29°44	26°40	23°34	14°55	3°15	0°32	9° 1	22°20	0°22	29°28	15°21	n.a.	S 14
M15	11 14 16	20°31'01	20°33	1♓25	27°54	24°19	14°53	3°19	0°33	9° 1	22°18	0°19	29°25	15°28	n.a.	M15
T 16	11 18 12	21°29'37	2♉33	3° 7	29° 7	25° 4	14°51	3°23	0°35	9° 2	22°17	0°16	29°22	15°35	n.a.	T 16
W17	11 22 9	22°28'11	14°28	4°50	0♓21	25°50	14°49	3°28	0°37	9° 3	22°16	0°12	29°19	15°41	n.a.	W17
T 18	11 26 5	23°26'43	26°20	6°35	1°34	26°35	14°47	3°32	0°38	9° 4	22°14	0° 9	29°16	15°48	n.a.	T 18
F 19	11 30 2	24°25'12	8♊13	8°22	2°47	27°20	14°44	3°36	0°40	9° 5	22°13	0° 7	29°13	15°55	n.a.	F 19
S 20	11 33 58	25°23'39	20°12	10°11	4° 1	28° 6	14°42	3°40	0°42	9° 5	22°11	0°D 6	29° 9	16° 2	n.a.	S 20
S 21	11 37 55	26°22'04	2♋20	12° 1	5°14	28°51	14°39	3°45	0°44	9° 6	22°10	0° 6	29° 6	16° 8	n.a.	S 21
M22	11 41 51	27°20'27	14°43	13°52	6°28	29°36	14°36	3°49	0°46	9° 7	22° 9	0° 7	29° 3	16°15	n.a.	M22
T 23	11 45 48	28°18'47	27°26	15°46	7°41	0♒21	14°33	3°54	0°48	9° 8	22° 7	0° 9	29° 0	16°22	n.a.	T 23
W24	11 49 45	29°17'06	10♌31	17°41	8°54	1° 7	14°30	3°59	0°50	9° 9	22° 6	0°10	28°57	16°28	n.a.	W24
T 25	11 53 41	0♈15'22	24° 1	19°37	10° 8	1°52	14°26	4° 4	0°52	9°10	22° 4	0°R11	28°53	16°35	n.a.	T 25
F 26	11 57 38	1°13'36	7♍57	21°35	11°21	2°37	14°22	4° 9	0°55	9°11	22° 3	0°11	28°50	16°42	n.a.	F 26
S 27	12 1 34	2°11'48	22°17	23°35	12°34	3°22	14°19	4°13	0°57	9°12	22° 1	0°10	28°47	16°49	n.a.	S 27
S 28	12 5 31	3° 9'58	6♎57	25°36	13°48	4° 7	14°15	4°18	0°59	9°13	22° 0	0° 7	28°44	16°55	n.a.	S 28
M29	12 9 27	4° 8'06	21°49	27°39	15° 1	4°53	14°11	4°24	1° 1	9°14	21°58	0° 2	28°41	17° 2	n.a.	M29
T 30	12 13 24	5° 6'12	6♏47	29°43	16°15	5°38	14° 6	4°29	1° 4	9°16	21°56	29♌57	28°38	17° 9	n.a.	T 30
W31	12 17 20	6♈ 4'17	21♏40	1♈48	17♓28	6♒23	14♏ 2	4♊34	1♊ 6	9♊17	21♎55	29♌52	28♌34	17♉16	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	9s 7	1s46	3n33	19s33	1s47	18s42	1s 0	23s54	0s54	15s31	1n 4	19n51	1s 5	20n27	0n 0	20n53	1s11	5n18	15n17	11n27	11n33	11n29			n.a.
T 2	8 45	6 27	4 25	19 16	1 53	18 23	1 2	23 50	0 55	15 31	1 4	19 52	1 5	20 27	0 0	20 53	1 10	5 18	15 17	11 28	11 34	11 31			n.a.
W 3	8 23	10 44	5 0	18 58	1 58	18 4	1 4	23 46	0 56	15 31	1 4	19 53	1 5	20 27	0 0	20 53	1 10	5 19	15 18	11 28	11 35	11 32			n.a.
T 4	8 1	14 22	5 16	18 38	2 2	17 44	1 6	23 41	0 57	15 31	1 4	19 53	1 5	20 27	0 0	20 53	1 10	5 20	15 18	11 28	11 36	11 34			n.a.
F 5	7 38	17 5	5 12	18 17	2 7	17 24	1 7	23 37	0 58	15 31	1 4	19 54	1 4	20 28	0 0	20 53	1 10	5 20	15 18	11 28	11 37	11 36			n.a.
S 6	7 15	18 46	4 50	17 54	2 10	17 3	1 9	23 32	0 59	15 31	1 4	19 55	1 4	20 28	0 0	20 54	1 10	5 21	15 18	11 28	11 38	11 38			n.a.
S 7	6 53	19 18	4 11	17 29	2 13	16 42	1 11	23 27	1 0	15 30	1 4	19 56	1 4	20 28	0 0	20 54	1 10	5 22	15 19	11 28	11 40	11 39			n.a.
M 8	6 30	18 42	3 19	17 3	2 16	16 21	1 12	23 21	1 1	15 30	1 4	19 57	1 4	20 28	0 0	20 54	1 10	5 22	15 19	11 28	11 41	11 41			n.a.
T 9	6 7	17 3	2 17	16 36	2 18	15 59	1 14	23 15	1 1	15 30	1 4	19 57	1 4	20 29	0 0	20 54	1 10	5 23	15 19	11 27	11 42	11 43			n.a.
W10	5 44	14 32	1 8	16 7	2 20	15 36	1 15	23 9	1 2	15 30	1 5	19 58	1 3	20 29	0 0	20 54	1 10	5 24	15 20	11 27	11 43	11 45			n.a.
T 11	5 21	11 19	0s 3	15 36	2 21	15 13	1 17	23 3	1 3	15 29	1 5	19 59	1 3	20 29	0 0	20 54	1 10	5 24	15 20	11 27	11 44	11 46			n.a.
F 12	4 58	7 37	1 12	15 4	2 22	14 50	1 18	22 57	1 4	15 29	1 5	20 0	1 3	20 30	0 0	20 54	1 10	5 25	15 20	11 27	11 45	11 48			n.a.
S 13	4 35	3 39	2 17	14 30	2 22	14 26	1 20	22 50	1 5	15 28	1 5	20 1	1 3	20 30	0 0	20 55	1 10	5 26	15 20	11 27	11 46	11 50			n.a.
S 14	4 11	0n24	3 14	13 54	2 22	14 2	1 21	22 43	1 6	15 28	1 5	20 2	1 3	20 30	0 0	20 55	1 10	5 27	15 21	11 28	11 47	11 51			n.a.
M15	3 48	4 23	4 2	13 18	2 21	13 37	1 22	22 36	1 7	15 27	1 5	20 3	1 2	20 31	0 0	20 55	1 10	5 27	15 21	11 29	11 49	11 53			n.a.
T 16	3 25	8 9	4 38	12 39	2 20	13 13	1 23	22 29	1 8	15 27	1 5	20 4	1 2	20 31	0 0	20 55	1 10	5 28	15 21	11 31	11 50	11 55			n.a.
W17	3 1	11 33	5 2	11 59	2 18	12 47	1 24	22 21	1 9	15 26	1 5	20 5	1 2	20 32	0 0	20 55	1 10	5 29	15 21	11 32	11 51	11 57			n.a.
T 18	2 38	14 29	5 13	11 17	2 16	12 22	1 25	22 13	1 9	15 25	1 5	20 6	1 2	20 32	0 0	20 55	1 10	5 29	15 21	11 33	11 52	11 58			n.a.
F 19	2 15	16 49	5 11	10 34	2 13	11 56	1 26	22 5	1 10	15 25	1 5	20 7	1 2	20 32	0 0	20 56	1 10	5 30	15 22	11 34	11 53	12 0			n.a.
S 20	1 51	18 27	4 55	9 50	2 9	11 30	1 27	21 57	1 11	15 24	1 5	20 8	1 1	20 33	0 0	20 56	1 10	5 31	15 22	11 34	11 54	12 2			n.a.
S 21	1 28	19 16	4 26	9 4	2 5	11 3	1 27	21 48	1 12	15 23	1 5	20 9	1 1	20 33	0 0	20 56	1 10	5 31	15 22	11 34	11 55	12 4			n.a.
M22	1 4	19 11	3 44	8 16	2 1	10 36	1 28	21 40	1 13	15 22	1 6	20 10	1 1	20 34	0 0	20 56	1 9	5 32	15 22	11 34	11 56	12 5			n.a.
T 23	0 41	18 9	2 50	7 27	1 56	10 9	1 29	21 31	1 14	15 21	1 6	20 11	1 1	20 34	0 0	20 56	1 9	5 33	15 22	11 33	11 58	12 7			n.a.
W24	0 17	16 7	1 46	6 37	1 50	9 42	1 29	21 22	1 15	15 20	1 6	20 12	1 1	20 34	0 0	20 56	1 9	5 33	15 23	11 33	11 59	12 9			n.a.
T 25	0n 6	13 9	0 34	5 45	1 44	9 14	1 30	21 12	1 16	15 19	1 6	20 13	1 0	20 35	0 0	20 57	1 9	5 34	15 23	11 32	12 0	12 10			n.a.
F 26	0 30	9 20	0n42	4 52	1 37	8 47	1 30	21 3	1 16	15 18	1 6	20 14	1 0	20 35	0 0	20 57	1 9	5 35	15 23	11 32	12 1	12 12			n.a.
S 27	0 53	4 54	1 58	3 57	1 30	8 19	1 30	20 53	1 17	15 16	1 6	20 15	1 0	20 36	0 1	20 57	1 9	5 35	15 23	11 33	12 2	12 14			n.a.
S 28	1 16	0 4	3 7	3 2	1 23	7 50	1 31	20 43	1 18	15 15	1 6	20 17	1 0	20 36	0 1	20 57	1 9	5 36	15 23	11 34	12 3	12 16			n.a.
M29	1 40	4s49	4 5	2 5	1 15	7 22	1 31	20 33	1 19	15 14	1 6	20 18	1 0	20 37	0 1	20 57	1 9	5 37	15 23	11 35	12 4	12 17			n.a.
T 30	2 3	9 26	4 46	1 7	1 6	6 53	1 31	20 22	1 20	15 13	1 6	20 19	1 0	20 37	0 1	20 58	1 9	5 37	15 23	11 37	12 5	12 19			n.a.
W31	2n26	13s26	5n 8	0s 9	0s57	6s24	1s31	20s12	1s21	15s11	1n 6	20n20	0s59	20n38	0n 1	20n58	1s 9	5n38	15n23	11n39	12n 7	12n21			n.a.

Julian Day Number = 1635283.5, Delta T = 03h39m32s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'32, Lahiri = - 7°12'32 Julian Calendar 1 March 236 BCE == Greg. Calendar 25 Feb. 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

APRIL 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 21 17	7♈ 2'21	6♐21	3♈55	18♓41	7♒ 8	13°R57	4♊39	1♊ 8	9♊18	21°R53	29°R48	28♌31	17♉22	n.a.	T 1
F 2	12 25 14	8° 0'23	20°45	6° 3	19°55	7°53	13♏52	4°45	1°11	9°19	21♎52	29♌45	28°28	17°29	n.a.	F 2
S 3	12 29 10	8°58'23	4♑49	8°11	21° 8	8°38	13°47	4°50	1°13	9°21	21°50	29°D44	28°25	17°36	n.a.	S 3
S 4	12 33 7	9°56'22	18°31	10°20	22°21	9°23	13°42	4°56	1°16	9°22	21°48	29°44	28°22	17°42	n.a.	S 4
M 5	12 37 3	10°54'20	1♒54	12°30	23°35	10° 8	13°37	5° 1	1°18	9°23	21°47	29°46	28°19	17°49	n.a.	M 5
T 6	12 41 0	11°52'16	14°57	14°40	24°48	10°53	13°32	5° 7	1°21	9°24	21°45	29°47	28°15	17°56	n.a.	T 6
W 7	12 44 56	12°50'11	27°46	16°50	26° 2	11°38	13°26	5°13	1°23	9°26	21°43	29°R48	28°12	18° 3	n.a.	W 7
T 8	12 48 53	13°48'04	10♓20	19° 0	27°15	12°23	13°21	5°19	1°26	9°27	21°42	29°47	28° 9	18° 9	n.a.	T 8
F 9	12 52 49	14°45'56	22°44	21° 9	28°28	13° 8	13°15	5°25	1°29	9°29	21°40	29°45	28° 6	18°16	n.a.	F 9
S 10	12 56 46	15°43'47	4♈59	23°17	29°42	13°53	13° 9	5°31	1°31	9°30	21°38	29°40	28° 3	18°23	n.a.	S 10
S 11	13 0 43	16°41'35	17° 6	25°24	0♈55	14°38	13° 3	5°37	1°34	9°32	21°37	29°33	27°59	18°29	n.a.	S 11
M12	13 4 39	17°39'23	29° 7	27°29	2° 9	15°23	12°57	5°43	1°37	9°33	21°35	29°25	27°56	18°36	n.a.	M12
T 13	13 8 36	18°37'08	11♉ 2	29°33	3°22	16° 8	12°51	5°49	1°40	9°35	21°33	29°16	27°53	18°43	n.a.	T 13
W14	13 12 32	19°34'53	22°55	1♉35	4°36	16°53	12°44	5°55	1°43	9°36	21°32	29° 6	27°50	18°50	n.a.	W14
T 15	13 16 29	20°32'35	4♊46	3°35	5°49	17°37	12°38	6° 1	1°46	9°38	21°30	28°58	27°47	18°56	n.a.	T 15
F 16	13 20 25	21°30'16	16°39	5°32	7° 2	18°22	12°31	6° 8	1°48	9°39	21°28	28°51	27°44	19° 3	n.a.	F 16
S 17	13 24 22	22°27'56	28°37	7°27	8°16	19° 7	12°25	6°14	1°51	9°41	21°27	28°46	27°40	19°10	n.a.	S 17
S 18	13 28 18	23°25'33	10♋44	9°19	9°29	19°51	12°18	6°20	1°54	9°43	21°25	28°43	27°37	19°17	n.a.	S 18
M19	13 32 15	24°23'10	23° 4	11° 9	10°43	20°36	12°11	6°27	1°57	9°44	21°23	28°D42	27°34	19°23	n.a.	M19
T 20	13 36 11	25°20'44	5♌42	12°55	11°56	21°20	12° 4	6°33	2° 0	9°46	21°22	28°42	27°31	19°30	n.a.	T 20
W21	13 40 8	26°18'17	18°42	14°39	13° 9	22° 5	11°57	6°40	2° 3	9°48	21°20	28°43	27°28	19°37	n.a.	W21
T 22	13 44 5	27°15'48	2♍ 9	16°19	14°23	22°49	11°50	6°47	2° 6	9°49	21°18	28°R43	27°24	19°43	n.a.	T 22
F 23	13 48 1	28°13'18	16° 4	17°56	15°36	23°34	11°43	6°53	2°10	9°51	21°17	28°42	27°21	19°50	n.a.	F 23
S 24	13 51 58	29°10'46	0♎28	19°31	16°50	24°18	11°35	7° 0	2°13	9°53	21°15	28°39	27°18	19°57	n.a.	S 24
S 25	13 55 54	0♉ 8'13	15°16	21° 2	18° 3	25° 2	11°28	7° 7	2°16	9°55	21°13	28°33	27°15	20° 4	n.a.	S 25
M26	13 59 51	1° 5'39	0♏23	22°30	19°16	25°47	11°21	7°14	2°19	9°57	21°12	28°25	27°12	20°10	n.a.	M26
T 27	14 3 47	2° 3'04	15°38	23°54	20°30	26°31	11°13	7°21	2°22	9°58	21°10	28°16	27° 9	20°17	n.a.	T 27
W28	14 7 44	3° 0'27	0♐51	25°15	21°43	27°15	11° 6	7°28	2°25	10° 0	21° 9	28° 7	27° 5	20°24	n.a.	W28
T 29	14 11 40	3°57'50	15°51	26°33	22°57	27°59	10°58	7°35	2°29	10° 2	21° 7	27°59	27° 2	20°30	n.a.	T 29
F 30	14 15 37	4♉55'12	0♑31	27♉48	24♈10	28♒43	10♏51	7♊42	2♊32	10♊ 4	21♎ 5	27♌53	26♌59	20♉37	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n50	16s33	5n 9	0n51	0s48	5s55	1s31	20s 1	1s22	15s10	1n 6	20n21	0s59	20n38	0n 1	20n58	1s 9	5n39	15n23	11n40	12n 8	12n22		n.a.
F 2	3 13	18 34	4 50	1 51	0 38	5 26	1 31	19 50	1 22	15 8	1 6	20 22	0 59	20 39	0 1	20 58	1 9	5 39	15 24	11 41	12 9	12 24		n.a.
S 3	3 36	19 23	4 15	2 51	0 28	4 57	1 31	19 39	1 23	15 7	1 6	20 23	0 59	20 39	0 1	20 59	1 9	5 40	15 24	11 42	12 10	12 26		n.a.
S 4	3 59	19 2	3 25	3 52	0 18	4 27	1 31	19 28	1 24	15 5	1 6	20 25	0 59	20 40	0 1	20 59	1 9	5 41	15 24	11 42	12 11	12 27		n.a.
M 5	4 22	17 36	2 26	4 53	0 7	3 57	1 30	19 16	1 25	15 4	1 6	20 26	0 58	20 40	0 1	20 59	1 9	5 41	15 24	11 41	12 12	12 29		n.a.
T 6	4 45	15 16	1 20	5 54	0n 3	3 28	1 30	19 5	1 26	15 2	1 6	20 27	0 58	20 41	0 1	20 59	1 9	5 42	15 24	11 41	12 13	12 31		n.a.
W 7	5 8	12 13	0 11	6 54	0 14	2 58	1 30	18 53	1 27	15 0	1 6	20 28	0 58	20 41	0 1	21 0	1 9	5 43	15 24	11 41	12 14	12 33		n.a.
T 8	5 30	8 39	0s57	7 54	0 25	2 28	1 29	18 41	1 27	14 59	1 6	20 29	0 58	20 42	0 1	21 0	1 9	5 43	15 24	11 41	12 15	12 34		n.a.
F 9	5 53	4 46	2 1	8 53	0 35	1 58	1 29	18 29	1 28	14 57	1 6	20 31	0 58	20 43	0 1	21 0	1 9	5 44	15 24	11 42	12 17	12 36		n.a.
S 10	6 16	0 43	2 58	9 51	0 46	1 28	1 28	18 16	1 29	14 55	1 6	20 32	0 58	20 43	0 1	21 0	1 9	5 44	15 24	11 43	12 18	12 38		n.a.
S 11	6 38	3n18	3 47	10 48	0 56	0 58	1 27	18 4	1 30	14 53	1 6	20 33	0 57	20 44	0 1	21 1	1 9	5 45	15 24	11 46	12 19	12 39		n.a.
M12	7 1	7 10	4 25	11 43	1 6	0 28	1 27	17 51	1 31	14 51	1 6	20 34	0 57	20 44	0 1	21 1	1 9	5 46	15 24	11 49	12 20	12 41		n.a.
T 13	7 23	10 42	4 51	12 37	1 15	0n 3	1 26	17 38	1 31	14 50	1 6	20 36	0 57	20 45	0 1	21 1	1 9	5 46	15 24	11 52	12 21	12 43		n.a.
W14	7 45	13 49	5 4	13 29	1 25	0 33	1 25	17 25	1 32	14 48	1 6	20 37	0 57	20 45	0 1	21 1	1 8	5 47	15 24	11 55	12 22	12 44		n.a.
T 15	8 7	16 21	5 5	14 19	1 33	1 3	1 24	17 12	1 33	14 46	1 6	20 38	0 57	20 46	0 1	21 2	1 8	5 47	15 24	11 58	12 23	12 46		n.a.
F 16	8 29	18 12	4 52	15 7	1 41	1 33	1 23	16 59	1 34	14 44	1 6	20 39	0 57	20 47	0 1	21 2	1 8	5 48	15 24	12 1	12 24	12 48		n.a.
S 17	8 51	19 17	4 26	15 52	1 49	2 4	1 22	16 46	1 35	14 42	1 6	20 41	0 57	20 47	0 1	21 2	1 8	5 49	15 24	12 3	12 25	12 49		n.a.
S 18	9 12	19 30	3 48	16 36	1 56	2 34	1 21	16 32	1 35	14 40	1 6	20 42	0 56	20 48	0 1	21 3	1 8	5 49	15 24	12 4	12 26	12 51		n.a.
M19	9 34	18 47	2 59	17 16	2 2	3 4	1 20	16 19	1 36	14 38	1 6	20 43	0 56	20 49	0 1	21 3	1 8	5 50	15 23	12 4	12 28	12 53		n.a.
T 20	9 55	17 8	2 0	17 55	2 7	3 34	1 19	16 5	1 37	14 35	1 6	20 44	0 56	20 49	0 1	21 3	1 8	5 50	15 23	12 4	12 29	12 54		n.a.
W21	10 16	14 33	0 53	18 31	2 12	4 4	1 17	15 51	1 38	14 33	1 6	20 46	0 56	20 50	0 1	21 3	1 8	5 51	15 23	12 3	12 30	12 56		n.a.
T 22	10 37	11 7	0n18	19 5	2 16	4 34	1 16	15 37	1 38	14 31	1 6	20 47	0 56	20 50	0 1	21 4	1 8	5 51	15 23	12 3	12 31	12 58		n.a.
F 23	10 58	6 58	1 31	19 36	2 19	5 4	1 15	15 23	1 39	14 29	1 6	20 48	0 56	20 51	0 1	21 4	1 8	5 52	15 23	12 4	12 32	12 59		n.a.
S 24	11 19	2 16	2 41	20 5	2 22	5 34	1 13	15 9	1 40	14 27	1 6	20 49	0 55	20 52	0 1	21 4	1 8	5 52	15 23	12 5	12 33	13 1		n.a.
S 25	11 39	2s41	3 42	20 32	2 24	6 3	1 12	14 54	1 41	14 25	1 6	20 51	0 55	20 52	0 1	21 5	1 8	5 53	15 23	12 7	12 34	13 3		n.a.
M26	11 59	7 33	4 28	20 56	2 24	6 33	1 10	14 40	1 41	14 22	1 6	20 52	0 55	20 53	0 1	21 5	1 8	5 53	15 23	12 10	12 35	13 5		n.a.
T 27	12 20	12 0	4 56	21 18	2 25	7 2	1 9	14 25	1 42	14 20	1 6	20 53	0 55	20 54	0 1	21 5	1 8	5 53	15 22	12 13	12 36	13 6		n.a.
W28	12 40	15 38	5 3	21 38	2 24	7 31	1 7	14 10	1 43	14 18	1 6	20 55	0 55	20 54	0 1	21 6	1 8	5 54	15 22	12 16	12 38	13 8		n.a.
T 29	12 59	18 10	4 49	21 55	2 22	8 1	1 6	13 56	1 43	14 16	1 5	20 56	0 55	20 55	0 1	21 6	1 8	5 54	15 22	12 19	12 39	13 9		n.a.
F 30	13n19	19s27	4n16	22n10	2n20	8n29	1s 4	13s41	1s44	14s13	1n 5	20n57	0s55	20n56	0n 1	21n 6	1s 8	5n55	15n22	12n21	12n40	13n11		n.a.

Julian Day Number = 1635314.5, Delta T = 03h39m31s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'28, Lahiri = - 7°12'28 Julian Calendar 1 Apr. 236 BCE == Greg. Calendar 28 March 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

MAY 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 19 34	5♉52'33	14♋44	28♉59	25♈24	29♒27	10°R43	7♊49	2♊35	10♊ 6	21°R 4	27°R49	26♌56	20♉44	n.a.	S 1
S 2	14 23 30	6°49'54	28°31	0♊ 7	26°37	0♓11	10♏36	7°56	2°38	10° 8	21♎ 2	27♌47	26°53	20°51	n.a.	S 2
M 3	14 27 27	7°47'14	11♒52	1°11	27°50	0°55	10°28	8° 3	2°42	10°10	21° 0	27°D47	26°50	20°57	n.a.	M 3
T 4	14 31 23	8°44'33	24°49	2°11	29° 4	1°39	10°20	8°10	2°45	10°12	20°59	27°R47	26°46	21° 4	n.a.	T 4
W 5	14 35 20	9°41'51	7♓28	3° 8	0♉17	2°23	10°13	8°17	2°48	10°14	20°57	27°47	26°43	21°11	n.a.	W 5
T 6	14 39 16	10°39'09	19°51	4° 1	1°31	3° 7	10° 5	8°24	2°52	10°16	20°56	27°45	26°40	21°18	n.a.	T 6
F 7	14 43 13	11°36'26	2♈ 4	4°50	2°44	3°51	9°57	8°32	2°55	10°18	20°54	27°40	26°37	21°24	n.a.	F 7
S 8	14 47 9	12°33'43	14° 7	5°35	3°58	4°34	9°50	8°39	2°59	10°20	20°53	27°33	26°34	21°31	n.a.	S 8
S 9	14 51 6	13°30'59	26° 6	6°17	5°11	5°18	9°42	8°46	3° 2	10°22	20°51	27°23	26°30	21°38	n.a.	S 9
M10	14 55 3	14°28'14	8♉ 0	6°54	6°25	6° 1	9°35	8°54	3° 5	10°24	20°50	27°11	26°27	21°44	n.a.	M10
T 11	14 58 59	15°25'28	19°53	7°27	7°38	6°45	9°27	9° 1	3° 9	10°26	20°48	26°58	26°24	21°51	n.a.	T 11
W12	15 2 56	16°22'42	1♊44	7°55	8°52	7°28	9°19	9° 9	3°12	10°28	20°47	26°44	26°21	21°58	n.a.	W12
T 13	15 6 52	17°19'56	13°37	8°20	10° 5	8°11	9°12	9°16	3°16	10°30	20°45	26°32	26°18	22° 5	n.a.	T 13
F 14	15 10 49	18°17'08	25°32	8°39	11°19	8°55	9° 4	9°24	3°19	10°32	20°44	26°21	26°15	22°11	n.a.	F 14
S 15	15 14 45	19°14'20	7♋33	8°55	12°32	9°38	8°57	9°31	3°23	10°34	20°42	26°13	26°11	22°18	n.a.	S 15
S 16	15 18 42	20°11'31	19°41	9° 6	13°46	10°21	8°50	9°39	3°26	10°36	20°41	26° 7	26° 8	22°25	n.a.	S 16
M17	15 22 38	21° 8'41	2♌ 1	9°12	15° 0	11° 4	8°42	9°46	3°30	10°38	20°40	26° 4	26° 5	22°31	n.a.	M17
T 18	15 26 35	22° 5'51	14°37	9°R13	16°13	11°47	8°35	9°54	3°33	10°40	20°38	26° 3	26° 2	22°38	n.a.	T 18
W19	15 30 32	23° 3'00	27°34	9°10	17°27	12°29	8°28	10° 2	3°37	10°43	20°37	26° 3	25°59	22°45	n.a.	W19
T 20	15 34 28	24° 0'08	10♍54	9° 3	18°40	13°12	8°21	10° 9	3°41	10°45	20°36	26° 3	25°55	22°52	n.a.	T 20
F 21	15 38 25	24°57'15	24°42	8°52	19°54	13°55	8°14	10°17	3°44	10°47	20°34	26° 1	25°52	22°58	n.a.	F 21
S 22	15 42 21	25°54'22	8♎59	8°36	21° 7	14°37	8° 7	10°25	3°48	10°49	20°33	25°57	25°49	23° 5	n.a.	S 22
S 23	15 46 18	26°51'28	23°43	8°16	22°21	15°20	8° 0	10°32	3°51	10°51	20°32	25°50	25°46	23°12	n.a.	S 23
M24	15 50 14	27°48'34	8♏48	7°53	23°35	16° 2	7°53	10°40	3°55	10°53	20°31	25°42	25°43	23°19	n.a.	M24
T 25	15 54 11	28°45'39	24° 5	7°26	24°48	16°45	7°46	10°48	3°58	10°56	20°29	25°31	25°40	23°25	n.a.	T 25
W26	15 58 8	29°42'44	9♐25	6°57	26° 2	17°27	7°39	10°55	4° 2	10°58	20°28	25°21	25°36	23°32	n.a.	W26
T 27	16 2 4	0♊39'50	24°34	6°25	27°15	18° 9	7°33	11° 3	4° 6	11° 0	20°27	25°11	25°33	23°39	n.a.	T 27
F 28	16 6 1	1°36'55	9♋24	5°51	28°29	18°51	7°26	11°11	4° 9	11° 2	20°26	25° 3	25°30	23°45	n.a.	F 28
S 29	16 9 57	2°34'00	23°48	5°16	29°43	19°33	7°20	11°19	4°13	11° 4	20°25	24°58	25°27	23°52	n.a.	S 29
S 30	16 13 54	3°31'05	7♒42	4°40	0♊56	20°15	7°14	11°27	4°16	11° 7	20°24	24°56	25°24	23°59	n.a.	S 30
M31	16 17 50	4♊28'11	21♒ 8	4♊ 4	2♊10	20♓57	7♏ 8	11♊34	4♊20	11♊ 9	20♎22	24°D55	25♌21	24♉ 6	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n38	19s27	3n28	22n23	2n17	8n58	1s 2	13s26	1s45	14s11	1n 5	20n58	0s55	20n56	0n 1	21n 6	1s 8	5n55	15n22	12n22	12n41	13n13		n.a.
S 2	13 57	18 16	2 29	22 34	2 13	9 27	1 0	13 11	1 45	14 9	1 5	21 0	0 54	20 57	0 1	21 7	1 8	5 56	15 22	12 23	12 42	13 14		n.a.
M 3	14 16	16 6	1 24	22 43	2 8	9 55	0 59	12 56	1 46	14 6	1 5	21 1	0 54	20 58	0 1	21 7	1 8	5 56	15 21	12 23	12 43	13 16		n.a.
T 4	14 35	13 9	0 16	22 50	2 2	10 23	0 57	12 40	1 47	14 4	1 5	21 2	0 54	20 58	0 1	21 7	1 8	5 56	15 21	12 23	12 44	13 18		n.a.
W 5	14 53	9 40	0s51	22 55	1 56	10 51	0 55	12 25	1 47	14 2	1 5	21 4	0 54	20 59	0 1	21 8	1 8	5 57	15 21	12 23	12 45	13 19		n.a.
T 6	15 12	5 49	1 54	22 58	1 48	11 19	0 53	12 10	1 48	13 59	1 5	21 5	0 54	21 0	0 1	21 8	1 8	5 57	15 21	12 24	12 46	13 21		n.a.
F 7	15 30	1 47	2 51	23 0	1 40	11 46	0 51	11 54	1 49	13 57	1 5	21 6	0 54	21 0	0 1	21 8	1 8	5 57	15 20	12 25	12 47	13 23		n.a.
S 8	15 47	2n16	3 39	22 59	1 31	12 13	0 49	11 39	1 49	13 55	1 4	21 7	0 54	21 1	0 1	21 9	1 8	5 58	15 20	12 28	12 48	13 24		n.a.
S 9	16 5	6 12	4 17	22 57	1 21	12 40	0 47	11 23	1 50	13 53	1 4	21 9	0 53	21 2	0 1	21 9	1 8	5 58	15 20	12 31	12 50	13 26		n.a.
M10	16 22	9 52	4 44	22 53	1 11	13 7	0 45	11 7	1 51	13 50	1 4	21 10	0 53	21 2	0 1	21 9	1 8	5 58	15 20	12 35	12 51	13 28		n.a.
T 11	16 39	13 8	4 58	22 47	1 0	13 33	0 43	10 52	1 51	13 48	1 4	21 11	0 53	21 3	0 1	21 10	1 8	5 59	15 19	12 40	12 52	13 29		n.a.
W12	16 56	15 52	4 59	22 40	0 48	13 59	0 41	10 36	1 52	13 46	1 4	21 12	0 53	21 4	0 1	21 10	1 8	5 59	15 19	12 45	12 53	13 31		n.a.
T 13	17 12	17 57	4 47	22 32	0 35	14 24	0 38	10 20	1 53	13 43	1 4	21 14	0 53	21 4	0 1	21 10	1 8	5 59	15 19	12 49	12 54	13 33		n.a.
F 14	17 29	19 16	4 23	22 21	0 21	14 50	0 36	10 4	1 53	13 41	1 4	21 15	0 53	21 5	0 1	21 11	1 8	5 59	15 18	12 53	12 55	13 34		n.a.
S 15	17 44	19 44	3 46	22 10	0 7	15 15	0 34	9 48	1 54	13 39	1 3	21 16	0 53	21 6	0 1	21 11	1 7	6 0	15 18	12 56	12 56	13 36		n.a.
S 16	18 0	19 18	2 59	21 57	0s 7	15 39	0 32	9 32	1 54	13 37	1 3	21 17	0 53	21 6	0 1	21 11	1 7	6 0	15 18	12 58	12 57	13 38		n.a.
M17	18 15	17 56	2 3	21 43	0 23	16 3	0 30	9 16	1 55	13 34	1 3	21 19	0 53	21 7	0 1	21 12	1 7	6 0	15 18	12 59	12 58	13 39		n.a.
T 18	18 30	15 41	1 0	21 28	0 38	16 27	0 27	9 0	1 55	13 32	1 3	21 20	0 52	21 8	0 1	21 12	1 7	6 0	15 17	12 59	12 59	13 41		n.a.
W19	18 45	12 35	0n 8	21 12	0 54	16 50	0 25	8 44	1 56	13 30	1 3	21 21	0 52	21 8	0 1	21 12	1 7	6 0	15 17	12 59	13 0	13 42		n.a.
T 20	19 0	8 45	1 18	20 54	1 11	17 13	0 23	8 28	1 56	13 28	1 3	21 22	0 52	21 9	0 1	21 13	1 7	6 1	15 17	12 59	13 2	13 44		n.a.
F 21	19 14	4 21	2 25	20 36	1 27	17 36	0 20	8 12	1 57	13 26	1 2	21 24	0 52	21 10	0 1	21 13	1 7	6 1	15 16	13 0	13 3	13 46		n.a.
S 22	19 28	0s27	3 26	20 17	1 44	17 58	0 18	7 56	1 58	13 24	1 2	21 25	0 52	21 10	0 1	21 13	1 7	6 1	15 16	13 1	13 4	13 47		n.a.
S 23	19 41	5 22	4 15	19 58	2 0	18 19	0 16	7 39	1 58	13 22	1 2	21 26	0 52	21 11	0 1	21 14	1 7	6 1	15 15	13 3	13 5	13 49		n.a.
M24	19 54	10 4	4 48	19 38	2 16	18 40	0 13	7 23	1 59	13 20	1 2	21 27	0 52	21 12	0 1	21 14	1 7	6 1	15 15	13 6	13 6	13 51		n.a.
T 25	20 7	14 10	5 0	19 18	2 32	19 1	0 11	7 7	1 59	13 18	1 2	21 29	0 52	21 13	0 1	21 14	1 7	6 1	15 15	13 10	13 7	13 52		n.a.
W26	20 20	17 19	4 52	18 58	2 48	19 21	0 9	6 51	2 0	13 16	1 2	21 30	0 52	21 13	0 1	21 15	1 7	6 1	15 14	13 13	13 8	13 54		n.a.
T 27	20 32	19 14	4 22	18 38	3 3	19 40	0 6	6 35	2 0	13 14	1 1	21 31	0 51	21 14	0 1	21 15	1 7	6 1	15 14	13 17	13 9	13 55		n.a.
F 28	20 44	19 48	3 36	18 19	3 16	20 0	0 4	6 18	2 0	13 12	1 1	21 32	0 51	21 15	0 1	21 15	1 7	6 1	15 13	13 19	13 10	13 57		n.a.
S 29	20 55	19 2	2 37	18 0	3 29	20 18	0 2	6 2	2 1	13 10	1 1	21 33	0 51	21 15	0 1	21 15	1 7	6 1	15 13	13 21	13 11	13 59		n.a.
S 30	21 6	17 7	1 30	17 42	3 41	20 36	0n 1	5 46	2 1	13 8	1 1	21 34	0 51	21 16	0 1	21 16	1 7	6 1	15 13	13 22	13 12	14 0		n.a.
M31	21n17	14s18	0n20	17n25	3s52	20n53	0n 3	5s30	2s 2	13s 6	1n 0	21n36	0s51	21n17	0n 1	21n16	1s 7	6n 1	15n12	13n22	13n13	14n 2		n.a.

Julian Day Number = 1635344.5, Delta T = 03h39m30s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'24, Lahiri = - 7°12'24 Julian Calendar 1 May 236 BCE == Greg. Calendar 27 Apr. 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

JUNE 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 21 47	5♊25'17	4♓ 8	3°R29	3♊24	21♓38	7°R 2	11♊42	4♊23	11♊11	20°R21	24°R55	25♌17	24♉12	n.a.	T 1
W 2	16 25 43	6°22'23	16°45	2♊54	4°37	22°20	6♏56	11°50	4°27	11°13	20♎20	24♌55	25°14	24°19	n.a.	W 2
T 3	16 29 40	7°19'29	29° 5	2°22	5°51	23° 2	6°50	11°58	4°31	11°15	20°19	24°53	25°11	24°26	n.a.	T 3
F 4	16 33 37	8°16'36	11♈12	1°51	7° 5	23°43	6°45	12° 6	4°34	11°18	20°18	24°49	25° 8	24°33	n.a.	F 4
S 5	16 37 33	9°13'43	23°11	1°23	8°18	24°24	6°39	12°14	4°38	11°20	20°17	24°42	25° 5	24°39	n.a.	S 5
S 6	16 41 30	10°10'50	5♉ 5	0°59	9°32	25° 5	6°34	12°21	4°41	11°22	20°17	24°33	25° 1	24°46	n.a.	S 6
M 7	16 45 26	11° 7'58	16°56	0°38	10°46	25°46	6°29	12°29	4°45	11°24	20°16	24°22	24°58	24°53	n.a.	M 7
T 8	16 49 23	12° 5'06	28°48	0°21	12° 0	26°27	6°24	12°37	4°49	11°27	20°15	24° 9	24°55	24°59	n.a.	T 8
W 9	16 53 19	13° 2'15	10♊42	0° 9	13°13	27° 8	6°19	12°45	4°52	11°29	20°14	23°56	24°52	25° 6	n.a.	W 9
T 10	16 57 16	13°59'24	22°39	0° 2	14°27	27°49	6°14	12°53	4°56	11°31	20°13	23°44	24°49	25°13	n.a.	T 10
F 11	17 1 12	14°56'33	4♋41	29°D59	15°41	28°29	6°10	13° 1	4°59	11°33	20°12	23°34	24°46	25°20	n.a.	F 11
S 12	17 5 9	15°53'42	16°49	0° 2	16°55	29°10	6° 5	13° 8	5° 3	11°36	20°12	23°26	24°42	25°26	n.a.	S 12
S 13	17 9 6	16°50'52	29° 5	0°10	18° 9	29°50	6° 1	13°16	5° 6	11°38	20°11	23°21	24°39	25°33	n.a.	S 13
M14	17 13 2	17°48'02	11♌32	0°23	19°23	0♈30	5°57	13°24	5°10	11°40	20°10	23°18	24°36	25°40	n.a.	M14
T 15	17 16 59	18°45'12	24°13	0°42	20°36	1°10	5°53	13°32	5°13	11°42	20°10	23°D18	24°33	25°47	n.a.	T 15
W16	17 20 55	19°42'22	7♍11	1° 6	21°50	1°50	5°49	13°40	5°17	11°44	20° 9	23°18	24°30	25°53	n.a.	W16
T 17	17 24 52	20°39'33	20°29	1°36	23° 4	2°30	5°46	13°48	5°20	11°47	20° 8	23°R19	24°27	26° 0	n.a.	T 17
F 18	17 28 48	21°36'44	4♎10	2°11	24°18	3°10	5°42	13°55	5°24	11°49	20° 8	23°18	24°23	26° 7	n.a.	F 18
S 19	17 32 45	22°33'55	18°17	2°51	25°32	3°49	5°39	14° 3	5°27	11°51	20° 7	23°15	24°20	26°13	n.a.	S 19
S 20	17 36 41	23°31'06	2♏47	3°37	26°46	4°28	5°36	14°11	5°31	11°53	20° 7	23°11	24°17	26°20	n.a.	S 20
M21	17 40 38	24°28'18	17°38	4°28	28° 0	5° 8	5°33	14°19	5°34	11°55	20° 6	23° 4	24°14	26°27	n.a.	M21
T 22	17 44 35	25°25'30	2♐43	5°25	29°13	5°47	5°30	14°27	5°38	11°58	20° 6	22°56	24°11	26°34	n.a.	T 22
W23	17 48 31	26°22'43	17°52	6°26	0♋27	6°26	5°28	14°34	5°41	12° 0	20° 5	22°48	24° 7	26°40	n.a.	W23
T 24	17 52 28	27°19'57	2♑56	7°33	1°41	7° 4	5°25	14°42	5°45	12° 2	20° 5	22°40	24° 4	26°47	n.a.	T 24
F 25	17 56 24	28°17'12	17°45	8°45	2°55	7°43	5°23	14°50	5°48	12° 4	20° 5	22°34	24° 1	26°54	n.a.	F 25
S 26	18 0 21	29°14'27	2♒11	10° 2	4° 9	8°22	5°21	14°57	5°51	12° 6	20° 4	22°30	23°58	27° 0	n.a.	S 26
S 27	18 4 17	0♋11'44	16°10	11°23	5°23	9° 0	5°19	15° 5	5°55	12° 9	20° 4	22°D28	23°55	27° 7	n.a.	S 27
M28	18 8 14	1° 9'01	29°40	12°49	6°37	9°38	5°17	15°13	5°58	12°11	20° 4	22°28	23°52	27°14	n.a.	M28
T 29	18 12 11	2° 6'20	12♓45	14°20	7°51	10°16	5°16	15°20	6° 1	12°13	20° 4	22°29	23°48	27°21	n.a.	T 29
W30	18 16 7	3♋ 3'39	25♓26	15♊55	9♋ 5	10♈54	5♏15	15♊28	6♊ 5	12♊15	20♎ 3	22♌30	23♌45	27♉27	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n28	10s52	0s49	17n 9	4s 2	21n10	0n 6	5s13	2s 2	13s 4	1n 0	21n37	0s51	21n17	0n 1	21n16	1s 7	6n 1	15n12	13n22	13n15	14n 3		n.a.
W 2	21 38	7 1	1 53	16 54	4 10	21 27	0 8	4 57	2 3	13 3	1 0	21 38	0 51	21 18	0 1	21 17	1 7	6 1	15 11	13 22	13 16	14 5		n.a.
T 3	21 47	2 58	2 50	16 41	4 16	21 42	0 10	4 41	2 3	13 1	1 0	21 39	0 51	21 19	0 1	21 17	1 7	6 1	15 11	13 23	13 17	14 7		n.a.
F 4	21 57	1n 8	3 39	16 30	4 21	21 57	0 13	4 25	2 4	12 59	1 0	21 40	0 51	21 19	0 1	21 17	1 7	6 1	15 10	13 24	13 18	14 8		n.a.
S 5	22 6	5 8	4 17	16 21	4 25	22 12	0 15	4 8	2 4	12 58	0 59	21 41	0 51	21 20	0 1	21 18	1 7	6 1	15 10	13 26	13 19	14 10		n.a.
S 6	22 14	8 54	4 44	16 14	4 27	22 26	0 17	3 52	2 4	12 56	0 59	21 42	0 51	21 21	0 1	21 18	1 7	6 1	15 10	13 30	13 20	14 11		n.a.
M 7	22 23	12 19	4 59	16 9	4 28	22 39	0 20	3 36	2 5	12 55	0 59	21 44	0 50	21 21	0 1	21 18	1 7	6 1	15 9	13 33	13 21	14 13		n.a.
T 8	22 30	15 15	5 0	16 7	4 27	22 51	0 22	3 20	2 5	12 53	0 59	21 45	0 50	21 22	0 1	21 19	1 7	6 1	15 9	13 38	13 22	14 15		n.a.
W 9	22 38	17 33	4 48	16 6	4 25	23 3	0 24	3 4	2 5	12 52	0 58	21 46	0 50	21 23	0 1	21 19	1 7	6 1	15 8	13 42	13 23	14 16		n.a.
T 10	22 45	19 7	4 24	16 8	4 21	23 14	0 26	2 48	2 6	12 51	0 58	21 47	0 50	21 23	0 1	21 19	1 7	6 1	15 8	13 46	13 24	14 18		n.a.
F 11	22 52	19 50	3 48	16 13	4 16	23 25	0 29	2 32	2 6	12 49	0 58	21 48	0 50	21 24	0 1	21 20	1 7	6 0	15 7	13 49	13 25	14 19		n.a.
S 12	22 58	19 39	3 1	16 19	4 11	23 35	0 31	2 16	2 6	12 48	0 58	21 49	0 50	21 25	0 1	21 20	1 7	6 0	15 7	13 52	13 26	14 21		n.a.
S 13	23 4	18 33	2 5	16 28	4 3	23 44	0 33	2 0	2 7	12 47	0 57	21 50	0 50	21 25	0 1	21 20	1 7	6 0	15 6	13 54	13 27	14 23		n.a.
M14	23 9	16 32	1 2	16 38	3 55	23 53	0 35	1 44	2 7	12 46	0 57	21 51	0 50	21 26	0 1	21 21	1 7	6 0	15 6	13 55	13 29	14 24		n.a.
T 15	23 14	13 41	0n 5	16 51	3 46	24 0	0 37	1 28	2 7	12 45	0 57	21 52	0 50	21 27	0 1	21 21	1 7	6 0	15 5	13 55	13 30	14 26		n.a.
W16	23 19	10 7	1 13	17 5	3 36	24 7	0 40	1 12	2 8	12 44	0 57	21 53	0 50	21 27	0 1	21 21	1 7	5 59	15 5	13 55	13 31	14 27		n.a.
T 17	23 23	5 57	2 20	17 22	3 26	24 14	0 42	0 57	2 8	12 43	0 56	21 54	0 50	21 28	0 1	21 21	1 7	5 59	15 4	13 54	13 32	14 29		n.a.
F 18	23 27	1 23	3 20	17 40	3 15	24 19	0 44	0 41	2 8	12 42	0 56	21 55	0 50	21 29	0 1	21 22	1 7	5 59	15 4	13 55	13 33	14 31		n.a.
S 19	23 31	3s24	4 10	17 59	3 3	24 24	0 46	0 25	2 8	12 41	0 56	21 56	0 50	21 29	0 1	21 22	1 7	5 59	15 3	13 56	13 34	14 32		n.a.
S 20	23 34	8 6	4 46	18 20	2 50	24 29	0 48	0 10	2 9	12 40	0 56	21 57	0 49	21 30	0 1	21 22	1 7	5 58	15 3	13 57	13 35	14 34		n.a.
M21	23 36	12 26	5 3	18 42	2 37	24 32	0 50	0n 6	2 9	12 39	0 55	21 58	0 49	21 30	0 1	21 23	1 7	5 58	15 2	13 59	13 36	14 35		n.a.
T 22	23 38	16 2	5 0	19 6	2 24	24 35	0 52	0 21	2 9	12 39	0 55	21 59	0 49	21 31	0 1	21 23	1 7	5 58	15 2	14 2	13 37	14 37		n.a.
W23	23 40	18 34	4 36	19 30	2 11	24 37	0 53	0 36	2 9	12 38	0 55	22 0	0 49	21 32	0 1	21 23	1 7	5 57	15 1	14 5	13 38	14 38		n.a.
T 24	23 42	19 48	3 53	19 54	1 57	24 38	0 55	0 52	2 9	12 37	0 55	22 1	0 49	21 32	0 1	21 24	1 7	5 57	15 0	14 7	13 39	14 40		n.a.
F 25	23 43	19 38	2 55	20 19	1 43	24 38	0 57	1 7	2 10	12 37	0 54	22 2	0 49	21 33	0 1	21 24	1 7	5 57	15 0	14 9	13 40	14 42		n.a.
S 26	23 43	18 10	1 47	20 45	1 29	24 38	0 59	1 22	2 10	12 37	0 54	22 3	0 49	21 34	0 1	21 24	1 7	5 56	14 59	14 11	13 41	14 43		n.a.
S 27	23 43	15 38	0 34	21 10	1 15	24 37	1 1	1 37	2 10	12 36	0 54	22 4	0 49	21 34	0 1	21 24	1 7	5 56	14 59	14 11	13 42	14 45		n.a.
M28	23 43	12 19	0s39	21 35	1 1	24 35	1 2	1 52	2 10	12 36	0 54	22 5	0 49	21 35	0 1	21 25	1 7	5 55	14 58	14 11	13 43	14 46		n.a.
T 29	23 42	8 30	1 47	22 0	0 48	24 33	1 4	2 7	2 10	12 36	0 53	22 6	0 49	21 35	0 1	21 25	1 7	5 55	14 58	14 11	13 45	14 48		n.a.
W30	23n41	4s24	2s48	22n24	0s34	24n30	1n 6	2n22	2s10	12s35	0n53	22n 7	0s49	21n36	0n 1	21n25	1s 7	5n55	14n57	14n10	13n46	14n49		n.a.

Julian Day Number = 1635375.5, Delta T = 03h39m29s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'20, Lahiri = - 7°12'19 Julian Calendar 1 June 236 BCE == Greg. Calendar 28 May 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

JULY 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 20 4	4♋ 1'00	7♈48	17♊34	10♋19	11♈32	5°R14	15♊36	6♊ 8	12♊17	20°R 3	22°R31	23♌42	27♉34	n.a.	T 1
F 2	18 24 0	4°58'23	19°56	19°17	11°33	12° 9	5♏13	15°43	6°11	12°19	20♎ 3	22♌29	23°39	27°41	n.a.	F 2
S 3	18 27 57	5°55'46	1♉54	21° 3	12°47	12°47	5°12	15°51	6°14	12°21	20° 3	22°26	23°36	27°48	n.a.	S 3
S 4	18 31 53	6°53'11	13°47	22°53	14° 1	13°24	5°11	15°58	6°18	12°23	20° 3	22°21	23°33	27°54	n.a.	S 4
M 5	18 35 50	7°50'38	25°38	24°45	15°15	14° 1	5°11	16° 6	6°21	12°25	20°D 3	22°14	23°29	28° 1	n.a.	M 5
T 6	18 39 46	8°48'05	7♊32	26°40	16°29	14°37	5°11	16°13	6°24	12°27	20° 3	22° 7	23°26	28° 8	n.a.	T 6
W 7	18 43 43	9°45'34	19°29	28°38	17°43	15°14	5°D11	16°21	6°27	12°29	20° 3	21°59	23°23	28°14	n.a.	W 7
T 8	18 47 40	10°43'04	1♋33	0♋37	18°58	15°50	5°11	16°28	6°30	12°31	20° 3	21°51	23°20	28°21	n.a.	T 8
F 9	18 51 36	11°40'36	13°45	2°37	20°12	16°27	5°11	16°36	6°33	12°33	20° 3	21°45	23°17	28°28	n.a.	F 9
S 10	18 55 33	12°38'08	26° 5	4°39	21°26	17° 3	5°12	16°43	6°36	12°35	20° 4	21°40	23°13	28°35	n.a.	S 10
S 11	18 59 29	13°35'42	8♌36	6°42	22°40	17°38	5°13	16°50	6°39	12°37	20° 4	21°38	23°10	28°41	n.a.	S 11
M12	19 3 26	14°33'17	21°18	8°45	23°54	18°14	5°14	16°58	6°43	12°39	20° 4	21°D37	23° 7	28°48	n.a.	M12
T 13	19 7 22	15°30'53	4♍12	10°48	25° 8	18°49	5°15	17° 5	6°45	12°41	20° 4	21°38	23° 4	28°55	n.a.	T 13
W14	19 11 19	16°28'31	17°21	12°51	26°22	19°24	5°16	17°12	6°48	12°43	20° 4	21°39	23° 1	29° 2	n.a.	W14
T 15	19 15 15	17°26'09	0♎46	14°53	27°36	19°59	5°17	17°19	6°51	12°45	20° 5	21°40	22°58	29° 8	n.a.	T 15
F 16	19 19 12	18°23'48	14°28	16°56	28°51	20°34	5°19	17°26	6°54	12°47	20° 5	21°R41	22°54	29°15	n.a.	F 16
S 17	19 23 9	19°21'29	28°27	18°57	0♌ 5	21° 8	5°21	17°33	6°57	12°49	20° 6	21°41	22°51	29°22	n.a.	S 17
S 18	19 27 5	20°19'11	12♏45	20°58	1°19	21°43	5°23	17°40	7° 0	12°51	20° 6	21°39	22°48	29°28	n.a.	S 18
M19	19 31 2	21°16'54	27°17	22°57	2°33	22°17	5°25	17°48	7° 3	12°53	20° 6	21°37	22°45	29°35	n.a.	M19
T 20	19 34 58	22°14'38	11♐59	24°56	3°47	22°50	5°28	17°54	7° 6	12°55	20° 7	21°33	22°42	29°42	n.a.	T 20
W21	19 38 55	23°12'24	26°46	26°53	5° 1	23°24	5°30	18° 1	7° 8	12°56	20° 8	21°29	22°39	29°49	n.a.	W21
T 22	19 42 51	24°10'11	11♑30	28°49	6°16	23°57	5°33	18° 8	7°11	12°58	20° 8	21°25	22°35	29°55	n.a.	T 22
F 23	19 46 48	25° 7'59	26° 3	0♌44	7°30	24°30	5°36	18°15	7°14	13° 0	20° 9	21°22	22°32	0♊ 2	n.a.	F 23
S 24	19 50 44	26° 5'49	10♒19	2°38	8°44	25° 3	5°39	18°22	7°16	13° 2	20° 9	21°21	22°29	0° 9	n.a.	S 24
S 25	19 54 41	27° 3'41	24°13	4°30	9°58	25°35	5°42	18°29	7°19	13° 3	20°10	21°D20	22°26	0°16	n.a.	S 25
M26	19 58 38	28° 1'35	7♓43	6°22	11°12	26° 7	5°46	18°35	7°22	13° 5	20°11	21°21	22°23	0°22	n.a.	M26
T 27	20 2 34	28°59'30	20°50	8°11	12°27	26°39	5°49	18°42	7°24	13° 7	20°11	21°22	22°19	0°29	n.a.	T 27
W28	20 6 31	29°57'27	3♈34	10° 0	13°41	27°11	5°53	18°49	7°27	13° 8	20°12	21°24	22°16	0°36	n.a.	W28
T 29	20 10 27	0♌55'26	15°59	11°47	14°55	27°42	5°57	18°55	7°29	13°10	20°13	21°25	22°13	0°42	n.a.	T 29
F 30	20 14 24	1°53'28	28° 9	13°33	16° 9	28°13	6° 1	19° 2	7°32	13°12	20°14	21°R26	22°10	0°49	n.a.	F 30
S 31	20 18 20	2♌51'31	10♉ 9	15♌17	17♌24	28♈44	6♏ 5	19♊ 8	7♊34	13♊13	20♎15	21♌26	22♌ 7	0♊56	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n40	0s14	3s39	22n47	0s21	24n26	1n 7	2n37	2s10	12s35	0n53	22n 8	0s49	21n36	0n 1	21n26	1s 7	5n54	14n57	14n10	13n47	14n51			n.a.
F 2	23 38	3n52	4 20	23 9	0 8	24 21	1 9	2 52	2 11	12 35	0 53	22 8	0 49	21 37	0 1	21 26	1 7	5 54	14 56	14 11	13 48	14 52			n.a.
S 3	23 35	7 46	4 49	23 29	0n 4	24 16	1 10	3 6	2 11	12 35	0 52	22 9	0 49	21 38	0 1	21 26	1 7	5 53	14 56	14 12	13 49	14 54			n.a.
S 4	23 32	11 19	5 5	23 48	0 16	24 9	1 11	3 21	2 11	12 35	0 52	22 10	0 49	21 38	0 1	21 26	1 7	5 53	14 55	14 14	13 50	14 56			n.a.
M 5	23 29	14 25	5 8	24 4	0 27	24 3	1 13	3 35	2 11	12 35	0 52	22 11	0 48	21 39	0 1	21 27	1 7	5 52	14 54	14 16	13 51	14 57			n.a.
T 6	23 26	16 56	4 57	24 19	0 38	23 55	1 14	3 49	2 11	12 36	0 52	22 12	0 48	21 39	0 1	21 27	1 7	5 52	14 54	14 18	13 52	14 59			n.a.
W 7	23 21	18 45	4 34	24 31	0 48	23 47	1 15	4 4	2 11	12 36	0 51	22 13	0 48	21 40	0 1	21 27	1 7	5 51	14 53	14 21	13 53	15 0			n.a.
T 8	23 17	19 45	3 58	24 40	0 57	23 37	1 16	4 18	2 11	12 36	0 51	22 13	0 48	21 40	0 1	21 27	1 7	5 50	14 53	14 23	13 54	15 2			n.a.
F 9	23 12	19 50	3 11	24 47	1 5	23 28	1 18	4 32	2 11	12 37	0 51	22 14	0 48	21 41	0 1	21 28	1 7	5 50	14 52	14 25	13 55	15 3			n.a.
S 10	23 7	18 59	2 14	24 51	1 13	23 17	1 19	4 46	2 11	12 37	0 50	22 15	0 48	21 42	0 1	21 28	1 7	5 49	14 52	14 27	13 56	15 5			n.a.
S 11	23 1	17 12	1 10	24 53	1 20	23 6	1 20	4 59	2 11	12 37	0 50	22 16	0 48	21 42	0 1	21 28	1 7	5 49	14 51	14 28	13 57	15 6			n.a.
M12	22 55	14 32	0 2	24 52	1 26	22 54	1 21	5 13	2 11	12 38	0 50	22 17	0 48	21 43	0 1	21 28	1 7	5 48	14 51	14 28	13 58	15 8			n.a.
T 13	22 48	11 8	1n 8	24 48	1 31	22 42	1 21	5 27	2 11	12 39	0 50	22 17	0 48	21 43	0 2	21 29	1 7	5 48	14 50	14 28	13 59	15 9			n.a.
W14	22 42	7 8	2 16	24 41	1 36	22 28	1 22	5 40	2 11	12 39	0 49	22 18	0 48	21 44	0 2	21 29	1 7	5 47	14 49	14 27	14 0	15 11			n.a.
T 15	22 34	2 42	3 17	24 32	1 40	22 14	1 23	5 53	2 11	12 40	0 49	22 19	0 48	21 44	0 2	21 29	1 7	5 46	14 49	14 27	14 1	15 12			n.a.
F 16	22 26	1s57	4 9	24 20	1 43	22 0	1 24	6 7	2 11	12 41	0 49	22 20	0 48	21 45	0 2	21 29	1 7	5 46	14 48	14 27	14 3	15 14			n.a.
S 17	22 18	6 35	4 47	24 6	1 45	21 45	1 24	6 20	2 11	12 42	0 49	22 20	0 48	21 45	0 2	21 30	1 7	5 45	14 48	14 27	14 4	15 16			n.a.
S 18	22 10	10 57	5 9	23 49	1 46	21 29	1 25	6 33	2 10	12 43	0 48	22 21	0 48	21 46	0 2	21 30	1 7	5 44	14 47	14 27	14 5	15 17			n.a.
M19	22 1	14 44	5 11	23 30	1 47	21 12	1 26	6 46	2 10	12 44	0 48	22 22	0 48	21 46	0 2	21 30	1 7	5 44	14 47	14 28	14 6	15 19			n.a.
T 20	21 52	17 39	4 53	23 9	1 47	20 55	1 26	6 58	2 10	12 45	0 48	22 22	0 48	21 47	0 2	21 30	1 7	5 43	14 46	14 29	14 7	15 20			n.a.
W21	21 42	19 25	4 16	22 46	1 47	20 38	1 26	7 11	2 10	12 46	0 48	22 23	0 48	21 47	0 2	21 30	1 7	5 42	14 45	14 31	14 8	15 22			n.a.
T 22	21 32	19 53	3 21	22 22	1 46	20 20	1 27	7 23	2 10	12 47	0 47	22 24	0 48	21 48	0 2	21 31	1 7	5 41	14 45	14 32	14 9	15 23			n.a.
F 23	21 22	18 59	2 14	21 56	1 44	20 1	1 27	7 36	2 10	12 48	0 47	22 24	0 48	21 48	0 2	21 31	1 7	5 41	14 44	14 33	14 10	15 25			n.a.
S 24	21 11	16 54	1 0	21 28	1 42	19 41	1 27	7 48	2 10	12 49	0 47	22 25	0 48	21 48	0 2	21 31	1 7	5 40	14 44	14 33	14 11	15 26			n.a.
S 25	21 0	13 51	0s16	20 58	1 40	19 21	1 27	8 0	2 9	12 51	0 47	22 26	0 48	21 49	0 2	21 31	1 7	5 39	14 43	14 33	14 12	15 28			n.a.
M26	20 48	10 9	1 29	20 28	1 37	19 1	1 27	8 12	2 9	12 52	0 46	22 26	0 48	21 49	0 2	21 31	1 7	5 38	14 43	14 33	14 13	15 29			n.a.
T 27	20 36	6 3	2 35	19 56	1 33	18 40	1 27	8 24	2 9	12 54	0 46	22 27	0 47	21 50	0 2	21 32	1 7	5 38	14 42	14 33	14 14	15 31			n.a.
W28	20 24	1 48	3 32	19 23	1 29	18 18	1 27	8 36	2 9	12 55	0 46	22 27	0 47	21 50	0 2	21 32	1 7	5 37	14 42	14 32	14 15	15 32			n.a.
T 29	20 11	2n25	4 17	18 49	1 25	17 56	1 27	8 47	2 8	12 57	0 46	22 28	0 47	21 51	0 2	21 32	1 7	5 36	14 41	14 32	14 16	15 34			n.a.
F 30	19 58	6 26	4 50	18 14	1 20	17 34	1 27	8 59	2 8	12 58	0 45	22 29	0 47	21 51	0 2	21 32	1 7	5 35	14 40	14 32	14 17	15 35			n.a.
S 31	19n45	10n 9	5s 9	17n38	1n15	17n11	1n27	9n10	2s 8	13s 0	0n45	22n29	0s47	21n51	0n 2	21n32	1s 7	5n34	14n40	14n32	14n18	15n37			n.a.

Julian Day Number = 1635405.5, Delta T = 03h39m28s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'16, Lahiri = - 7°12'15 Julian Calendar 1 July 236 BCE == Greg. Calendar 27 June 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

AUGUST 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 22 17	3♌49'36	22♉ 3	17♌ 1	18♌38	29♈15	6♏10	19♊14	7♊36	13♊15	20♎16	21°R25	22♌ 4	1♊ 3	n.a.	S 1
M 2	20 26 13	4°47'43	3♊56	18°43	19°52	29°45	6°14	19°21	7°39	13°16	20°17	21♌23	22° 0	1° 9	n.a.	M 2
T 3	20 30 10	5°45'53	15°51	20°24	21° 6	0♉15	6°19	19°27	7°41	13°18	20°17	21°21	21°57	1°16	n.a.	T 3
W 4	20 34 7	6°44'04	27°53	22° 3	22°20	0°44	6°24	19°33	7°43	13°19	20°18	21°19	21°54	1°23	n.a.	W 4
T 5	20 38 3	7°42'18	10♋ 4	23°42	23°35	1°13	6°29	19°39	7°45	13°21	20°20	21°17	21°51	1°29	n.a.	T 5
F 6	20 42 0	8°40'33	22°26	25°19	24°49	1°42	6°35	19°45	7°48	13°22	20°21	21°15	21°48	1°36	n.a.	F 6
S 7	20 45 56	9°38'51	5♌ 1	26°55	26° 3	2°11	6°40	19°51	7°50	13°24	20°22	21°14	21°45	1°43	n.a.	S 7
S 8	20 49 53	10°37'10	17°51	28°30	27°17	2°39	6°46	19°57	7°52	13°25	20°23	21°D14	21°41	1°50	n.a.	S 8
M 9	20 53 49	11°35'31	0♍54	0♍ 3	28°32	3° 7	6°51	20° 3	7°54	13°26	20°24	21°14	21°38	1°56	n.a.	M 9
T 10	20 57 46	12°33'54	14°10	1°36	29°46	3°34	6°57	20° 9	7°56	13°28	20°25	21°14	21°35	2° 3	n.a.	T 10
W11	21 1 42	13°32'19	27°40	3° 7	1♍ 0	4° 1	7° 3	20°15	7°58	13°29	20°26	21°15	21°32	2°10	n.a.	W11
T 12	21 5 39	14°30'46	11♎22	4°37	2°15	4°28	7°10	20°20	8° 0	13°30	20°28	21°16	21°29	2°17	n.a.	T 12
F 13	21 9 35	15°29'14	25°15	6° 6	3°29	4°54	7°16	20°26	8° 1	13°32	20°29	21°16	21°25	2°23	n.a.	F 13
S 14	21 13 32	16°27'44	9♏18	7°34	4°43	5°20	7°22	20°32	8° 3	13°33	20°30	21°16	21°22	2°30	n.a.	S 14
S 15	21 17 29	17°26'16	23°29	9° 1	5°57	5°45	7°29	20°37	8° 5	13°34	20°32	21°R16	21°19	2°37	n.a.	S 15
M16	21 21 25	18°24'49	7♐46	10°26	7°11	6°10	7°36	20°42	8° 7	13°35	20°33	21°16	21°16	2°43	n.a.	M16
T 17	21 25 22	19°23'25	22° 6	11°50	8°26	6°35	7°43	20°48	8° 8	13°36	20°34	21°16	21°13	2°50	n.a.	T 17
W18	21 29 18	20°22'02	6♑26	13°13	9°40	6°59	7°50	20°53	8°10	13°38	20°36	21°16	21°10	2°57	n.a.	W18
T 19	21 33 15	21°20'41	20°42	14°35	10°54	7°22	7°57	20°58	8°12	13°39	20°37	21°D16	21° 6	3° 4	n.a.	T 19
F 20	21 37 11	22°19'22	4♒48	15°55	12° 8	7°46	8° 5	21° 3	8°13	13°40	20°39	21°16	21° 3	3°10	n.a.	F 20
S 21	21 41 8	23°18'04	18°43	17°14	13°23	8° 8	8°12	21° 8	8°15	13°41	20°40	21°R16	21° 0	3°17	n.a.	S 21
S 22	21 45 4	24°16'49	2♓22	18°32	14°37	8°31	8°20	21°13	8°16	13°42	20°42	21°16	20°57	3°24	n.a.	S 22
M23	21 49 1	25°15'36	15°42	19°48	15°51	8°53	8°28	21°18	8°17	13°43	20°43	21°16	20°54	3°30	n.a.	M23
T 24	21 52 58	26°14'25	28°44	21° 2	17° 5	9°14	8°35	21°23	8°19	13°44	20°45	21°15	20°50	3°37	n.a.	T 24
W25	21 56 54	27°13'16	11♈26	22°15	18°19	9°35	8°44	21°28	8°20	13°45	20°46	21°14	20°47	3°44	n.a.	W25
T 26	22 0 51	28°12'10	23°52	23°26	19°34	9°55	8°52	21°32	8°21	13°45	20°48	21°14	20°44	3°51	n.a.	T 26
F 27	22 4 47	29°11'06	6♉ 4	24°36	20°48	10°15	9° 0	21°37	8°23	13°46	20°50	21°13	20°41	3°57	n.a.	F 27
S 28	22 8 44	0♍10'04	18° 4	25°43	22° 2	10°34	9° 8	21°41	8°24	13°47	20°51	21°12	20°38	4° 4	n.a.	S 28
S 29	22 12 40	1° 9'05	29°59	26°49	23°16	10°53	9°17	21°45	8°25	13°48	20°53	21°D12	20°35	4°11	n.a.	S 29
M30	22 16 37	2° 8'08	11♊52	27°52	24°30	11°11	9°26	21°50	8°26	13°49	20°55	21°12	20°31	4°17	n.a.	M30
T 31	22 20 33	3♍ 7'14	23♊47	28♍52	25♍44	11♉29	9♏35	21♊54	8♊27	13♊49	20♎57	21♌13	20♌28	4♊24	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	19n31	13n25	5s15	17n 2	1n10	16n47	1n26	9n21	2s 8	13s 2	0n45	22n30	0s47	21n52	0n 2	21n33	1s 7	5n34	14n39	14n32	14n19	15n38			n.a.
M 2	19 17	16 8	5 8	16 25	1 4	16 23	1 26	9 32	2 7	13 3	0 45	22 30	0 47	21 52	0 2	21 33	1 7	5 33	14 39	14 32	14 20	15 40			n.a.
T 3	19 3	18 12	4 47	15 47	0 58	15 59	1 25	9 43	2 7	13 5	0 44	22 31	0 47	21 53	0 2	21 33	1 7	5 32	14 38	14 33	14 21	15 41			n.a.
W 4	18 48	19 29	4 14	15 9	0 52	15 34	1 25	9 53	2 7	13 7	0 44	22 31	0 47	21 53	0 2	21 33	1 7	5 31	14 38	14 34	14 22	15 43			n.a.
T 5	18 34	19 52	3 28	14 30	0 46	15 8	1 24	10 4	2 6	13 9	0 44	22 32	0 47	21 53	0 2	21 33	1 7	5 30	14 37	14 35	14 23	15 44			n.a.
F 6	18 18	19 19	2 33	13 51	0 39	14 43	1 23	10 14	2 6	13 11	0 44	22 32	0 47	21 54	0 2	21 33	1 8	5 29	14 37	14 35	14 24	15 46			n.a.
S 7	18 3	17 48	1 28	13 12	0 32	14 17	1 23	10 25	2 5	13 13	0 43	22 33	0 47	21 54	0 2	21 34	1 8	5 28	14 36	14 35	14 25	15 47			n.a.
S 8	17 47	15 22	0 19	12 32	0 26	13 50	1 22	10 35	2 5	13 15	0 43	22 33	0 47	21 54	0 2	21 34	1 8	5 27	14 36	14 36	14 27	15 48			n.a.
M 9	17 31	12 7	0n53	11 52	0 18	13 23	1 21	10 45	2 5	13 17	0 43	22 34	0 47	21 55	0 2	21 34	1 8	5 27	14 35	14 35	14 28	15 50			n.a.
T 10	17 14	8 12	2 4	11 12	0 11	12 56	1 20	10 55	2 4	13 19	0 43	22 34	0 47	21 55	0 2	21 34	1 8	5 26	14 35	14 35	14 29	15 51			n.a.
W11	16 57	3 49	3 8	10 32	0 4	12 29	1 19	11 4	2 4	13 22	0 43	22 35	0 47	21 55	0 2	21 34	1 8	5 25	14 34	14 35	14 30	15 53			n.a.
T 12	16 40	0s49	4 3	9 52	0s 4	12 1	1 18	11 14	2 3	13 24	0 42	22 35	0 47	21 56	0 2	21 34	1 8	5 24	14 34	14 35	14 31	15 54			n.a.
F 13	16 23	5 28	4 45	9 12	0 12	11 32	1 17	11 23	2 3	13 26	0 42	22 35	0 47	21 56	0 2	21 34	1 8	5 23	14 33	14 35	14 32	15 56			n.a.
S 14	16 5	9 52	5 10	8 32	0 20	11 4	1 16	11 32	2 2	13 29	0 42	22 36	0 47	21 56	0 2	21 35	1 8	5 22	14 33	14 35	14 33	15 57			n.a.
S 15	15 47	13 45	5 17	7 52	0 27	10 35	1 14	11 41	2 2	13 31	0 42	22 36	0 47	21 57	0 2	21 35	1 8	5 21	14 32	14 35	14 34	15 59			n.a.
M16	15 29	16 52	5 4	7 12	0 35	10 6	1 13	11 50	2 1	13 33	0 41	22 37	0 47	21 57	0 2	21 35	1 8	5 20	14 32	14 35	14 35	16 0			n.a.
T 17	15 11	18 57	4 32	6 32	0 43	9 37	1 12	11 59	2 0	13 36	0 41	22 37	0 47	21 57	0 2	21 35	1 8	5 19	14 31	14 35	14 36	16 2			n.a.
W18	14 52	19 50	3 44	5 53	0 51	9 7	1 10	12 7	2 0	13 38	0 41	22 37	0 47	21 58	0 2	21 35	1 8	5 18	14 31	14 35	14 37	16 3			n.a.
T 19	14 33	19 27	2 42	5 14	1 0	8 37	1 9	12 16	1 59	13 41	0 41	22 38	0 47	21 58	0 2	21 35	1 8	5 17	14 30	14 35	14 38	16 5			n.a.
F 20	14 14	17 50	1 30	4 35	1 8	8 7	1 7	12 24	1 58	13 44	0 41	22 38	0 47	21 58	0 2	21 35	1 8	5 16	14 30	14 35	14 39	16 6			n.a.
S 21	13 55	15 10	0 14	3 56	1 16	7 37	1 6	12 32	1 58	13 46	0 40	22 39	0 47	21 58	0 2	21 35	1 8	5 15	14 29	14 35	14 40	16 7			n.a.
S 22	13 35	11 42	1s 1	3 18	1 24	7 6	1 4	12 40	1 57	13 49	0 40	22 39	0 47	21 59	0 2	21 35	1 8	5 14	14 29	14 35	14 41	16 9			n.a.
M23	13 15	7 43	2 11	2 41	1 32	6 36	1 2	12 47	1 56	13 52	0 40	22 39	0 47	21 59	0 2	21 36	1 8	5 13	14 28	14 35	14 42	16 10			n.a.
T 24	12 55	3 28	3 13	2 4	1 40	6 5	1 0	12 55	1 56	13 54	0 40	22 40	0 47	21 59	0 2	21 36	1 8	5 12	14 28	14 35	14 43	16 12			n.a.
W25	12 35	0n51	4 4	1 27	1 48	5 34	0 58	13 2	1 55	13 57	0 39	22 40	0 47	21 59	0 2	21 36	1 8	5 11	14 27	14 35	14 44	16 13			n.a.
T 26	12 14	5 1	4 41	0 52	1 56	5 3	0 57	13 9	1 54	14 0	0 39	22 40	0 47	21 59	0 2	21 36	1 8	5 10	14 27	14 36	14 45	16 15			n.a.
F 27	11 54	8 53	5 6	0 17	2 4	4 31	0 55	13 17	1 53	14 3	0 39	22 41	0 47	22 0	0 2	21 36	1 8	5 9	14 27	14 36	14 46	16 16			n.a.
S 28	11 33	12 21	5 16	0s17	2 11	4 0	0 53	13 23	1 52	14 6	0 39	22 41	0 47	22 0	0 2	21 36	1 8	5 8	14 26	14 36	14 47	16 18			n.a.
S 29	11 12	15 17	5 13	0 50	2 19	3 28	0 50	13 30	1 52	14 9	0 39	22 41	0 47	22 0	0 2	21 36	1 8	5 7	14 26	14 36	14 48	16 19			n.a.
M30	10 50	17 35	4 56	1 22	2 26	2 57	0 48	13 37	1 51	14 12	0 38	22 41	0 47	22 0	0 2	21 36	1 8	5 6	14 25	14 36	14 49	16 20			n.a.
T 31	10n29	19n 8	4s27	1s53	2s33	2n25	0n46	13n43	1s50	14s15	0n38	22n42	0s47	22n 0	0n 2	21n36	1s 8	5n 5	14n25	14n36	14n50	16n22			n.a.

Julian Day Number = 1635436.5, Delta T = 03h39m27s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'12, Lahiri = - 7°12'11 Julian Calendar 1 Aug. 236 BCE == Greg. Calendar 28 July 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

SEPTEMBER 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 24 30	4♍ 6'22	5♋50	29♍51	26♍59	11♉46	9♏43	21♊58	8♊28	13♊50	20♎59	21♌14	20♌25	4♊31	n.a.	W 1
T 2	22 28 27	5° 5'33	18° 5	0♎46	28°13	12° 2	9°53	22° 2	8°29	13°51	21° 0	21°15	20°22	4°38	n.a.	T 2
F 3	22 32 23	6° 4'45	0♌35	1°38	29°27	12°18	10° 2	22° 6	8°29	13°51	21° 2	21°16	20°19	4°44	n.a.	F 3
S 4	22 36 20	7° 4'00	13°23	2°27	0♎41	12°33	10°11	22°10	8°30	13°52	21° 4	21°17	20°16	4°51	n.a.	S 4
S 5	22 40 16	8° 3'18	26°29	3°13	1°55	12°47	10°20	22°13	8°31	13°52	21° 6	21°R17	20°12	4°58	n.a.	S 5
M 6	22 44 13	9° 2'37	9♍55	3°54	3° 9	13° 1	10°30	22°17	8°32	13°53	21° 8	21°16	20° 9	5° 5	n.a.	M 6
T 7	22 48 9	10° 1'59	23°38	4°31	4°23	13°14	10°40	22°21	8°32	13°53	21°10	21°15	20° 6	5°11	n.a.	T 7
W 8	22 52 6	11° 1'23	7♎35	5° 4	5°37	13°27	10°49	22°24	8°33	13°54	21°12	21°12	20° 3	5°18	n.a.	W 8
T 9	22 56 2	12° 0'48	21°44	5°31	6°52	13°38	10°59	22°27	8°33	13°54	21°14	21° 9	20° 0	5°25	n.a.	T 9
F 10	22 59 59	13° 0'16	5♏59	5°53	8° 6	13°50	11° 9	22°31	8°34	13°55	21°16	21° 6	19°56	5°31	n.a.	F 10
S 11	23 3 55	13°59'46	20°17	6° 8	9°20	14° 0	11°19	22°34	8°34	13°55	21°18	21° 4	19°53	5°38	n.a.	S 11
S 12	23 7 52	14°59'17	4♐33	6°17	10°34	14°10	11°29	22°37	8°34	13°55	21°20	21° 3	19°50	5°45	n.a.	S 12
M13	23 11 49	15°58'51	18°45	6°R19	11°48	14°18	11°40	22°40	8°35	13°56	21°22	21°D 2	19°47	5°52	n.a.	M13
T 14	23 15 45	16°58'26	2♑51	6°14	13° 2	14°27	11°50	22°42	8°35	13°56	21°24	21° 3	19°44	5°58	n.a.	T 14
W15	23 19 42	17°58'03	16°49	6° 0	14°16	14°34	12° 0	22°45	8°35	13°56	21°26	21° 4	19°41	6° 5	n.a.	W15
T 16	23 23 38	18°57'42	0♒38	5°38	15°30	14°41	12°11	22°48	8°35	13°56	21°28	21° 6	19°37	6°12	n.a.	T 16
F 17	23 27 35	19°57'23	14°17	5° 8	16°44	14°46	12°22	22°50	8°35	13°56	21°30	21°R 7	19°34	6°18	n.a.	F 17
S 18	23 31 31	20°57'06	27°45	4°29	17°58	14°52	12°32	22°53	8°R35	13°56	21°32	21° 7	19°31	6°25	n.a.	S 18
S 19	23 35 28	21°56'50	11♓ 1	3°41	19°12	14°56	12°43	22°55	8°35	13°57	21°35	21° 6	19°28	6°32	n.a.	S 19
M20	23 39 24	22°56'37	24° 4	2°45	20°26	14°59	12°54	22°57	8°35	13°57	21°37	21° 2	19°25	6°39	n.a.	M20
T 21	23 43 21	23°56'25	6♈52	1°43	21°40	15° 2	13° 5	22°59	8°35	13°R57	21°39	20°58	19°21	6°45	n.a.	T 21
W22	23 47 17	24°56'16	19°27	0°34	22°54	15° 4	13°16	23° 1	8°35	13°57	21°41	20°52	19°18	6°52	n.a.	W22
T 23	23 51 14	25°56'09	1♉49	29♍21	24° 7	15° 5	13°28	23° 3	8°35	13°57	21°43	20°46	19°15	6°59	n.a.	T 23
F 24	23 55 11	26°56'04	13°58	28° 5	25°21	15°R 5	13°39	23° 5	8°35	13°56	21°46	20°39	19°12	7° 5	n.a.	F 24
S 25	23 59 7	27°56'02	25°58	26°49	26°35	15° 4	13°50	23° 7	8°34	13°56	21°48	20°34	19° 9	7°12	n.a.	S 25
S 26	0 3 4	28°56'02	7♊52	25°35	27°49	15° 2	14° 2	23° 8	8°34	13°56	21°50	20°30	19° 6	7°19	n.a.	S 26
M27	0 7 0	29°56'04	19°43	24°26	29° 3	15° 0	14°13	23°10	8°33	13°56	21°52	20°28	19° 2	7°26	n.a.	M27
T 28	0 10 57	0♎56'08	1♋37	23°22	0♏17	14°56	14°25	23°11	8°33	13°56	21°55	20°D27	18°59	7°32	n.a.	T 28
W29	0 14 53	1°56'15	13°38	22°27	1°31	14°52	14°36	23°12	8°32	13°55	21°57	20°28	18°56	7°39	n.a.	W29
T 30	0 18 50	2♎56'23	25♋51	21♍42	2♏44	14♉47	14♏48	23♊13	8♊32	13♊55	21♎59	20♌29	18♌53	7♊46	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n 7	19n50	3s46	2s23	2s40	1n53	0n44	13n49	1s49	14s18	0n38	22n42	0s47	22n 1	0n 2	21n36	1s 8	5n 4	14n24	14n35	14n51	16n23		n.a.
T 2	9 45	19 37	2 53	2 51	2 47	1 21	0 42	13 55	1 48	14 21	0 38	22 42	0 47	22 1	0 2	21 36	1 8	5 3	14 24	14 35	14 52	16 25		n.a.
F 3	9 23	18 26	1 52	3 18	2 53	0 49	0 39	14 1	1 47	14 24	0 38	22 42	0 47	22 1	0 2	21 36	1 8	5 2	14 24	14 35	14 53	16 26		n.a.
S 4	9 1	16 18	0 44	3 43	2 59	0 17	0 37	14 6	1 46	14 27	0 37	22 43	0 47	22 1	0 2	21 36	1 8	5 1	14 23	14 34	14 54	16 27		n.a.
S 5	8 39	13 17	0n29	4 6	3 5	0s14	0 35	14 12	1 45	14 30	0 37	22 43	0 47	22 1	0 2	21 36	1 8	5 0	14 23	14 34	14 55	16 29		n.a.
M 6	8 16	9 30	1 41	4 28	3 10	0 47	0 32	14 17	1 44	14 34	0 37	22 43	0 47	22 1	0 2	21 36	1 8	4 59	14 22	14 35	14 56	16 30		n.a.
T 7	7 54	5 8	2 49	4 47	3 14	1 19	0 30	14 22	1 42	14 37	0 37	22 43	0 47	22 1	0 2	21 36	1 8	4 58	14 22	14 35	14 57	16 32		n.a.
W 8	7 31	0 26	3 48	5 3	3 18	1 51	0 27	14 27	1 41	14 40	0 37	22 44	0 47	22 1	0 2	21 36	1 8	4 57	14 22	14 36	14 58	16 33		n.a.
T 9	7 8	4s20	4 34	5 17	3 21	2 22	0 25	14 32	1 40	14 43	0 36	22 44	0 47	22 2	0 2	21 36	1 8	4 56	14 21	14 37	14 59	16 35		n.a.
F 10	6 45	8 54	5 4	5 28	3 24	2 54	0 22	14 36	1 39	14 47	0 36	22 44	0 47	22 2	0 2	21 36	1 8	4 54	14 21	14 38	15 0	16 36		n.a.
S 11	6 22	12 59	5 14	5 36	3 25	3 26	0 20	14 41	1 38	14 50	0 36	22 44	0 47	22 2	0 2	21 36	1 8	4 53	14 21	14 39	15 1	16 37		n.a.
S 12	5 59	16 18	5 6	5 40	3 26	3 58	0 17	14 45	1 36	14 53	0 36	22 44	0 47	22 2	0 2	21 36	1 8	4 52	14 20	14 39	15 2	16 39		n.a.
M13	5 36	18 37	4 38	5 41	3 26	4 30	0 14	14 49	1 35	14 57	0 36	22 45	0 47	22 2	0 2	21 36	1 9	4 51	14 20	14 39	15 3	16 40		n.a.
T 14	5 12	19 47	3 55	5 37	3 24	5 2	0 12	14 52	1 34	15 0	0 36	22 45	0 46	22 2	0 2	21 36	1 9	4 50	14 20	14 39	15 4	16 41		n.a.
W15	4 49	19 43	2 57	5 28	3 21	5 33	0 9	14 56	1 32	15 3	0 35	22 45	0 46	22 2	0 2	21 36	1 9	4 49	14 19	14 38	15 5	16 43		n.a.
T 16	4 25	18 28	1 50	5 15	3 16	6 5	0 6	14 59	1 31	15 7	0 35	22 45	0 46	22 2	0 2	21 36	1 9	4 48	14 19	14 38	15 6	16 44		n.a.
F 17	4 1	16 9	0 37	4 57	3 10	6 36	0 3	15 2	1 29	15 10	0 35	22 45	0 46	22 2	0 2	21 36	1 9	4 47	14 19	14 38	15 7	16 46		n.a.
S 18	3 38	12 58	0s36	4 34	3 1	7 7	0 1	15 5	1 28	15 14	0 35	22 45	0 46	22 2	0 2	21 36	1 9	4 46	14 18	14 38	15 8	16 47		n.a.
S 19	3 14	9 10	1 47	4 6	2 51	7 38	0s 2	15 8	1 26	15 17	0 35	22 45	0 46	22 2	0 2	21 36	1 9	4 45	14 18	14 38	15 9	16 48		n.a.
M20	2 50	4 59	2 50	3 32	2 39	8 9	0 5	15 11	1 25	15 21	0 35	22 46	0 46	22 2	0 2	21 36	1 9	4 44	14 18	14 39	15 10	16 50		n.a.
T 21	2 26	0 40	3 44	2 55	2 26	8 40	0 8	15 13	1 23	15 24	0 34	22 46	0 46	22 2	0 2	21 36	1 9	4 43	14 17	14 41	15 11	16 51		n.a.
W22	2 2	3n37	4 26	2 13	2 10	9 10	0 11	15 15	1 21	15 28	0 34	22 46	0 46	22 2	0 2	21 36	1 9	4 42	14 17	14 43	15 12	16 53		n.a.
T 23	1 38	7 39	4 54	1 27	1 53	9 40	0 13	15 17	1 20	15 31	0 34	22 46	0 46	22 2	0 2	21 36	1 9	4 41	14 17	14 45	15 13	16 54		n.a.
F 24	1 14	11 19	5 8	0 40	1 34	10 10	0 16	15 19	1 18	15 35	0 34	22 46	0 46	22 2	0 2	21 36	1 9	4 40	14 17	14 47	15 14	16 55		n.a.
S 25	0 50	14 28	5 9	0n 9	1 14	10 40	0 19	15 20	1 16	15 39	0 34	22 46	0 46	22 2	0 2	21 36	1 9	4 39	14 16	14 48	15 15	16 57		n.a.
S 26	0 26	17 0	4 56	0 57	0 54	11 10	0 22	15 22	1 14	15 42	0 34	22 46	0 46	22 2	0 2	21 36	1 9	4 38	14 16	14 50	15 16	16 58		n.a.
M27	0 2	18 49	4 31	1 44	0 33	11 39	0 25	15 23	1 12	15 46	0 33	22 46	0 46	22 2	0 2	21 36	1 9	4 37	14 16	14 50	15 17	16 59		n.a.
T 28	0s23	19 49	3 54	2 28	0 13	12 8	0 28	15 23	1 10	15 49	0 33	22 46	0 46	22 2	0 2	21 36	1 9	4 35	14 16	14 51	15 18	17 1		n.a.
W29	0 47	19 55	3 7	3 8	0n 7	12 37	0 31	15 24	1 8	15 53	0 33	22 46	0 46	22 2	0 2	21 36	1 9	4 34	14 15	14 50	15 19	17 2		n.a.
T 30	1s11	19n 6	2s10	3n44	0n26	13s 6	0s34	15n25	1s 6	15s57	0n33	22n47	0s46	22n 2	0n 2	21n36	1s 9	4n33	14n15	14n50	15n20	17n 3		n.a.

Julian Day Number = 1635467.5, Delta T = 03h39m26s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'07, Lahiri = - 7°12'07 Julian Calendar 1 Sept. 236 BCE == Greg. Calendar 28 Aug. 236 BCE

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

OCTOBER 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 22 46	3♎56'34	8♌22	21°R 8	3♏58	14°R41	15♏ 0	23♊14	8°R31	13°R55	22♎ 2	20♌30	18♌50	7♊52	n.a.	F 1
S 2	0 26 43	4°56'48	21°13	20♍45	5°12	14♉34	15°12	23°15	8♊30	13♊54	22° 4	20°R31	18°47	7°59	n.a.	S 2
S 3	0 30 40	5°57'03	4♍29	20°D34	6°26	14°26	15°24	23°16	8°30	13°54	22° 6	20°30	18°43	8° 6	n.a.	S 3
M 4	0 34 36	6°57'20	18°10	20°34	7°39	14°17	15°36	23°16	8°29	13°54	22° 9	20°27	18°40	8°13	n.a.	M 4
T 5	0 38 33	7°57'39	2♎15	20°45	8°53	14° 7	15°48	23°17	8°28	13°53	22°11	20°22	18°37	8°19	n.a.	T 5
W 6	0 42 29	8°58'00	16°39	21° 7	10° 7	13°57	16° 0	23°17	8°27	13°53	22°13	20°15	18°34	8°26	n.a.	W 6
T 7	0 46 26	9°58'23	1♏17	21°38	11°21	13°46	16°13	23°18	8°26	13°52	22°16	20° 7	18°31	8°33	n.a.	T 7
F 8	0 50 22	10°58'48	16° 1	22°18	12°34	13°33	16°25	23°18	8°25	13°52	22°18	19°59	18°27	8°39	n.a.	F 8
S 9	0 54 19	11°59'14	0♐44	23° 6	13°48	13°20	16°37	23°R18	8°24	13°51	22°20	19°51	18°24	8°46	n.a.	S 9
S 10	0 58 15	12°59'42	15°17	24° 0	15° 2	13° 6	16°50	23°18	8°23	13°50	22°23	19°46	18°21	8°53	n.a.	S 10
M11	1 2 12	14° 0'11	29°38	25° 1	16°15	12°52	17° 2	23°18	8°22	13°50	22°25	19°43	18°18	9° 0	n.a.	M11
T 12	1 6 9	15° 0'42	13♑43	26° 7	17°29	12°36	17°15	23°18	8°20	13°49	22°28	19°D42	18°15	9° 6	n.a.	T 12
W13	1 10 5	16° 1'14	27°30	27°18	18°42	12°20	17°28	23°17	8°19	13°48	22°30	19°42	18°12	9°13	n.a.	W13
T 14	1 14 2	17° 1'47	11♒ 3	28°33	19°56	12° 3	17°40	23°17	8°18	13°48	22°32	19°43	18° 8	9°20	n.a.	T 14
F 15	1 17 58	18° 2'22	24°20	29°51	21° 9	11°46	17°53	23°16	8°17	13°47	22°35	19°R44	18° 5	9°26	n.a.	F 15
S 16	1 21 55	19° 2'58	7♓25	1♎12	22°23	11°28	18° 6	23°15	8°15	13°46	22°37	19°42	18° 2	9°33	n.a.	S 16
S 17	1 25 51	20° 3'36	20°18	2°35	23°36	11° 9	18°19	23°15	8°14	13°45	22°40	19°38	17°59	9°40	n.a.	S 17
M18	1 29 48	21° 4'15	3♈ 0	4° 0	24°50	10°49	18°32	23°14	8°12	13°44	22°42	19°31	17°56	9°47	n.a.	M18
T 19	1 33 44	22° 4'55	15°32	5°28	26° 3	10°29	18°45	23°13	8°11	13°43	22°45	19°22	17°53	9°53	n.a.	T 19
W20	1 37 41	23° 5'37	27°54	6°56	27°17	10° 9	18°58	23°11	8° 9	13°42	22°47	19°10	17°49	10° 0	n.a.	W20
T 21	1 41 37	24° 6'21	10♉ 7	8°26	28°30	9°48	19°11	23°10	8° 8	13°41	22°49	18°57	17°46	10° 7	n.a.	T 21
F 22	1 45 34	25° 7'05	22°11	9°56	29°43	9°26	19°24	23° 9	8° 6	13°40	22°52	18°45	17°43	10°13	n.a.	F 22
S 23	1 49 31	26° 7'52	4♊ 8	11°28	0♐57	9° 5	19°37	23° 7	8° 4	13°39	22°54	18°33	17°40	10°20	n.a.	S 23
S 24	1 53 27	27° 8'40	16° 0	13° 0	2°10	8°42	19°50	23° 6	8° 2	13°38	22°57	18°23	17°37	10°27	n.a.	S 24
M25	1 57 24	28° 9'30	27°49	14°32	3°23	8°20	20° 3	23° 4	8° 1	13°37	22°59	18°16	17°33	10°34	n.a.	M25
T 26	2 1 20	29°10'21	9♋41	16° 5	4°36	7°57	20°16	23° 2	7°59	13°36	23° 1	18°12	17°30	10°40	n.a.	T 26
W27	2 5 17	0♏11'14	21°38	17°38	5°49	7°34	20°30	23° 0	7°57	13°35	23° 4	18°10	17°27	10°47	n.a.	W27
T 28	2 9 13	1°12'09	3♌48	19°11	7° 2	7°11	20°43	22°58	7°55	13°34	23° 6	18°D10	17°24	10°54	n.a.	T 28
F 29	2 13 10	2°13'05	16°14	20°45	8°16	6°48	20°56	22°56	7°53	13°33	23° 9	18°R10	17°21	11° 0	n.a.	F 29
S 30	2 17 6	3°14'02	29° 2	22°19	9°29	6°25	21°10	22°54	7°51	13°32	23°11	18°10	17°18	11° 7	n.a.	S 30
S 31	2 21 3	4♏15'01	12♍16	23♎52	10♐42	6♉ 1	21♏23	22♊51	7♊49	13♊30	23♎13	18♌ 8	17♌14	11♊14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s35	17n20	1s 5	4n13	0n44	13s34	0s37	15n25	1s 4	16s 0	0n33	22n47	0s46	22n 1	0n 2	21n36	1s 9	4n32	14n15	14n49	15n21	17n 5		n.a.
S 2	1 59	14 39	0n 4	4 37	1 0	14 2	0 39	15 25	1 2	16 4	0 33	22 47	0 46	22 1	0 2	21 36	1 9	4 31	14 15	14 49	15 22	17 6		n.a.
S 3	2 23	11 8	1 15	4 55	1 15	14 29	0 42	15 24	1 0	16 8	0 32	22 47	0 46	22 1	0 2	21 36	1 9	4 30	14 15	14 50	15 23	17 7		n.a.
M 4	2 48	6 56	2 24	5 7	1 27	14 56	0 45	15 24	0 58	16 11	0 32	22 47	0 46	22 1	0 2	21 36	1 9	4 29	14 14	14 51	15 24	17 9		n.a.
T 5	3 12	2 14	3 26	5 13	1 39	15 23	0 48	15 23	0 55	16 15	0 32	22 47	0 46	22 1	0 2	21 36	1 9	4 28	14 14	14 52	15 25	17 10		n.a.
W 6	3 36	2s41	4 16	5 13	1 48	15 50	0 51	15 22	0 53	16 19	0 32	22 47	0 46	22 1	0 2	21 35	1 9	4 27	14 14	14 54	15 26	17 11		n.a.
T 7	4 0	7 32	4 50	5 8	1 56	16 16	0 54	15 21	0 51	16 22	0 32	22 47	0 46	22 1	0 2	21 35	1 9	4 26	14 14	14 57	15 27	17 13		n.a.
F 8	4 24	11 57	5 6	4 57	2 2	16 41	0 56	15 20	0 48	16 26	0 32	22 47	0 46	22 1	0 2	21 35	1 9	4 25	14 14	15 0	15 28	17 14		n.a.
S 9	4 48	15 38	5 1	4 43	2 7	17 6	0 59	15 18	0 46	16 30	0 32	22 47	0 46	22 0	0 2	21 35	1 9	4 24	14 14	15 2	15 29	17 15		n.a.
S 10	5 11	18 19	4 37	4 24	2 10	17 31	1 2	15 16	0 43	16 34	0 31	22 47	0 46	22 0	0 3	21 35	1 9	4 23	14 14	15 4	15 30	17 17		n.a.
M11	5 35	19 48	3 55	4 2	2 13	17 56	1 5	15 14	0 41	16 37	0 31	22 47	0 46	22 0	0 3	21 35	1 9	4 22	14 13	15 5	15 31	17 18		n.a.
T 12	5 59	20 1	3 1	3 36	2 14	18 19	1 7	15 12	0 38	16 41	0 31	22 47	0 46	22 0	0 3	21 35	1 9	4 21	14 13	15 5	15 32	17 19		n.a.
W13	6 22	19 0	1 56	3 8	2 14	18 43	1 10	15 9	0 36	16 45	0 31	22 47	0 46	22 0	0 3	21 35	1 9	4 20	14 13	15 5	15 33	17 21		n.a.
T 14	6 46	16 55	0 46	2 37	2 14	19 6	1 13	15 7	0 33	16 49	0 31	22 47	0 46	21 59	0 3	21 35	1 9	4 19	14 13	15 4	15 34	17 22		n.a.
F 15	7 9	13 57	0s25	2 5	2 12	19 28	1 15	15 4	0 30	16 52	0 31	22 47	0 46	21 59	0 3	21 35	1 9	4 18	14 13	15 4	15 35	17 23		n.a.
S 16	7 33	10 20	1 33	1 30	2 10	19 50	1 18	15 0	0 28	16 56	0 31	22 47	0 46	21 59	0 3	21 34	1 9	4 17	14 13	15 5	15 36	17 25		n.a.
S 17	7 56	6 16	2 36	0 54	2 7	20 11	1 20	14 57	0 25	17 0	0 30	22 47	0 46	21 59	0 3	21 34	1 9	4 16	14 13	15 6	15 37	17 26		n.a.
M18	8 19	1 59	3 29	0 17	2 4	20 32	1 23	14 54	0 22	17 3	0 30	22 47	0 46	21 59	0 3	21 34	1 9	4 15	14 13	15 8	15 38	17 27		n.a.
T 19	8 42	2n19	4 12	0s22	2 0	20 53	1 25	14 50	0 20	17 7	0 30	22 47	0 46	21 58	0 3	21 34	1 9	4 15	14 13	15 11	15 39	17 29		n.a.
W20	9 5	6 28	4 42	1 1	1 55	21 12	1 28	14 46	0 17	17 11	0 30	22 47	0 46	21 58	0 3	21 34	1 9	4 14	14 13	15 15	15 40	17 30		n.a.
T 21	9 27	10 18	4 59	1 41	1 51	21 32	1 30	14 42	0 14	17 15	0 30	22 47	0 46	21 58	0 3	21 34	1 10	4 13	14 13	15 19	15 41	17 31		n.a.
F 22	9 50	13 41	5 1	2 22	1 46	21 50	1 33	14 38	0 11	17 18	0 30	22 47	0 46	21 58	0 3	21 34	1 10	4 12	14 12	15 23	15 42	17 32		n.a.
S 23	10 12	16 27	4 51	3 3	1 40	22 8	1 35	14 33	0 8	17 22	0 30	22 47	0 46	21 57	0 3	21 33	1 10	4 11	14 12	15 27	15 43	17 34		n.a.
S 24	10 35	18 32	4 28	3 44	1 34	22 25	1 37	14 29	0 6	17 26	0 30	22 47	0 46	21 57	0 3	21 33	1 10	4 10	14 12	15 30	15 44	17 35		n.a.
M25	10 57	19 48	3 54	4 26	1 29	22 42	1 39	14 24	0 3	17 29	0 29	22 46	0 46	21 57	0 3	21 33	1 10	4 9	14 12	15 32	15 45	17 36		n.a.
T 26	11 19	20 13	3 9	5 8	1 23	22 58	1 41	14 20	0n 0	17 33	0 29	22 46	0 46	21 57	0 3	21 33	1 10	4 8	14 12	15 33	15 46	17 38		n.a.
W27	11 40	19 43	2 16	5 50	1 16	23 14	1 43	14 15	0 3	17 37	0 29	22 46	0 46	21 56	0 3	21 33	1 10	4 7	14 12	15 34	15 47	17 39		n.a.
T 28	12 2	18 19	1 16	6 31	1 10	23 28	1 45	14 10	0 6	17 41	0 29	22 46	0 46	21 56	0 3	21 33	1 10	4 6	14 12	15 34	15 48	17 40		n.a.
F 29	12 23	16 0	0 10	7 13	1 3	23 43	1 47	14 5	0 9	17 44	0 29	22 46	0 46	21 56	0 3	21 33	1 10	4 6	14 12	15 34	15 49	17 41		n.a.
S 30	12 44	12 51	0n57	7 54	0 57	23 56	1 49	14 0	0 11	17 48	0 29	22 46	0 46	21 55	0 3	21 32	1 10	4 5	14 12	15 34	15 50	17 43		n.a.
S 31	13s 5	8n57	2n 4	8s36	0n50	24s 9	1s51	13n55	0n14	17s52	0n29	22n46	0s46	21n55	0n 3	21n32	1s10	4n 4	14n12	15n35	15n51	17n44		n.a.

Julian Day Number = 1635497.5, Delta T = 03h39m25s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°19'03, Lahiri = - 7°12'03 Julian Calendar 1 Oct. 236 BCE == Greg. Calendar 27 Sept. 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

NOVEMBER 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 25 0	5♏16'01	26♍ 0	25♎26	11♐55	5°R38	21♏37	22°R49	7°R47	13°R29	23♎16	18°R 3	17♌11	11♊21	n.a.	M 1
T 2	2 28 56	6°17'02	10♎12	27° 0	13° 8	5♉15	21°50	22♊46	7♊45	13♊28	23°18	17♌55	17° 8	11°27	n.a.	T 2
W 3	2 32 53	7°18'05	24°51	28°34	14°20	4°52	22° 4	22°44	7°43	13°27	23°21	17°45	17° 5	11°34	n.a.	W 3
T 4	2 36 49	8°19'09	9♏49	0♏ 8	15°33	4°29	22°17	22°41	7°41	13°25	23°23	17°34	17° 2	11°41	n.a.	T 4
F 5	2 40 46	9°20'14	24°58	1°42	16°46	4° 7	22°31	22°38	7°39	13°24	23°25	17°22	16°58	11°47	n.a.	F 5
S 6	2 44 42	10°21'19	10♐ 6	3°16	17°59	3°44	22°45	22°35	7°36	13°23	23°28	17°11	16°55	11°54	n.a.	S 6
S 7	2 48 39	11°22'26	25° 3	4°50	19°12	3°23	22°58	22°32	7°34	13°21	23°30	17° 3	16°52	12° 1	n.a.	S 7
M 8	2 52 35	12°23'33	9♑42	6°24	20°24	3° 1	23°12	22°29	7°32	13°20	23°32	16°57	16°49	12° 8	n.a.	M 8
T 9	2 56 32	13°24'41	23°58	7°58	21°37	2°40	23°26	22°26	7°30	13°18	23°35	16°54	16°46	12°14	n.a.	T 9
W10	3 0 29	14°25'50	7♒50	9°32	22°50	2°20	23°39	22°23	7°27	13°17	23°37	16°54	16°43	12°21	n.a.	W10
T 11	3 4 25	15°26'58	21°19	11° 6	24° 2	1°59	23°53	22°19	7°25	13°16	23°39	16°53	16°39	12°28	n.a.	T 11
F 12	3 8 22	16°28'08	4♓28	12°40	25°15	1°40	24° 7	22°16	7°23	13°14	23°42	16°53	16°36	12°34	n.a.	F 12
S 13	3 12 18	17°29'17	17°19	14°14	26°27	1°21	24°20	22°12	7°20	13°13	23°44	16°50	16°33	12°41	n.a.	S 13
S 14	3 16 15	18°30'27	29°56	15°48	27°39	1° 3	24°34	22° 8	7°18	13°11	23°46	16°45	16°30	12°48	n.a.	S 14
M15	3 20 11	19°31'38	12♈22	17°23	28°52	0°45	24°48	22° 5	7°16	13°10	23°48	16°37	16°27	12°54	n.a.	M15
T 16	3 24 8	20°32'48	24°39	18°57	0♉ 4	0°28	25° 2	22° 1	7°13	13° 8	23°50	16°26	16°24	13° 1	n.a.	T 16
W17	3 28 5	21°34'00	6♉48	20°32	1°16	0°12	25°15	21°57	7°11	13° 7	23°53	16°12	16°20	13° 8	n.a.	W17
T 18	3 32 1	22°35'11	18°51	22° 6	2°28	29♈57	25°29	21°53	7° 8	13° 5	23°55	15°58	16°17	13°15	n.a.	T 18
F 19	3 35 58	23°36'24	0♊49	23°41	3°40	29°42	25°43	21°49	7° 6	13° 3	23°57	15°43	16°14	13°21	n.a.	F 19
S 20	3 39 54	24°37'37	12°42	25°16	4°52	29°28	25°57	21°45	7° 3	13° 2	23°59	15°29	16°11	13°28	n.a.	S 20
S 21	3 43 51	25°38'50	24°33	26°52	6° 4	29°14	26°11	21°41	7° 1	13° 0	24° 1	15°17	16° 8	13°35	n.a.	S 21
M22	3 47 47	26°40'04	6♋22	28°27	7°16	29° 2	26°24	21°37	6°58	12°59	24° 4	15° 8	16° 4	13°41	n.a.	M22
T 23	3 51 44	27°41'18	18°14	0♐ 3	8°27	28°50	26°38	21°32	6°56	12°57	24° 6	15° 2	16° 1	13°48	n.a.	T 23
W24	3 55 40	28°42'33	0♌12	1°39	9°39	28°39	26°52	21°28	6°53	12°55	24° 8	14°59	15°58	13°55	n.a.	W24
T 25	3 59 37	29°43'48	12°19	3°15	10°51	28°29	27° 6	21°24	6°51	12°54	24°10	14°D59	15°55	14° 2	n.a.	T 25
F 26	4 3 34	0♐45'03	24°41	4°51	12° 2	28°20	27°20	21°19	6°48	12°52	24°12	14°R59	15°52	14° 8	n.a.	F 26
S 27	4 7 30	1°46'19	7♍23	6°28	13°13	28°11	27°33	21°15	6°45	12°50	24°14	14°59	15°49	14°15	n.a.	S 27
S 28	4 11 27	2°47'36	20°30	8° 5	14°25	28° 4	27°47	21°10	6°43	12°49	24°16	14°57	15°45	14°22	n.a.	S 28
M29	4 15 23	3°48'53	4♎ 5	9°42	15°36	27°57	28° 1	21° 6	6°40	12°47	24°18	14°54	15°42	14°28	n.a.	M29
T 30	4 19 20	4♐50'10	18♎11	11♐19	16♉47	27♈51	28♏15	21♊ 1	6♊38	12♊45	24♎20	14♌48	15♌39	14♊35	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13 s26	4n27	3n 6	9 s17	0n43	24 s21	1 s53	13n49	0n17	17 s55	0n29	22n46	0 s46	21n55	0n 3	21n32	1 s10	4n 3	14n12	15n36	15n52	17n45		n.a.
T 2	13 46	0 s26	3 58	9 57	0 37	24 32	1 55	13 44	0 20	17 59	0 29	22 46	0 46	21 54	0 3	21 32	1 10	4 2	14 12	15 38	15 53	17 46		n.a.
W 3	14 7	5 27	4 37	10 38	0 30	24 43	1 56	13 39	0 22	18 3	0 28	22 46	0 46	21 54	0 3	21 32	1 10	4 2	14 13	15 42	15 54	17 48		n.a.
T 4	14 27	10 14	4 58	11 17	0 23	24 53	1 58	13 34	0 25	18 6	0 28	22 46	0 45	21 54	0 3	21 32	1 10	4 1	14 13	15 45	15 55	17 49		n.a.
F 5	14 46	14 25	4 58	11 57	0 16	25 2	1 59	13 28	0 28	18 10	0 28	22 45	0 45	21 53	0 3	21 31	1 10	4 0	14 13	15 49	15 56	17 50		n.a.
S 6	15 6	17 40	4 37	12 36	0 10	25 10	2 1	13 23	0 30	18 13	0 28	22 45	0 45	21 53	0 3	21 31	1 10	3 59	14 13	15 52	15 57	17 51		n.a.
S 7	15 25	19 40	3 57	13 14	0 3	25 18	2 2	13 18	0 33	18 17	0 28	22 45	0 45	21 53	0 3	21 31	1 10	3 58	14 13	15 55	15 58	17 53		n.a.
M 8	15 44	20 19	3 3	13 52	0 s 4	25 25	2 3	13 13	0 36	18 21	0 28	22 45	0 45	21 52	0 3	21 31	1 10	3 58	14 13	15 56	15 59	17 54		n.a.
T 9	16 3	19 38	1 58	14 29	0 10	25 31	2 4	13 8	0 38	18 24	0 28	22 45	0 45	21 52	0 3	21 31	1 10	3 57	14 13	15 57	16 0	17 55		n.a.
W10	16 21	17 46	0 48	15 6	0 17	25 37	2 5	13 3	0 41	18 28	0 28	22 45	0 45	21 52	0 3	21 30	1 10	3 56	14 13	15 57	16 1	17 56		n.a.
T 11	16 40	14 56	0 s23	15 42	0 23	25 42	2 7	12 59	0 43	18 31	0 28	22 45	0 45	21 51	0 3	21 30	1 10	3 55	14 13	15 57	16 2	17 58		n.a.
F 12	16 57	11 24	1 31	16 18	0 30	25 45	2 7	12 54	0 45	18 35	0 27	22 45	0 45	21 51	0 3	21 30	1 10	3 55	14 13	15 58	16 3	17 59		n.a.
S 13	17 15	7 25	2 33	16 52	0 36	25 49	2 8	12 50	0 48	18 38	0 27	22 44	0 45	21 50	0 3	21 30	1 10	3 54	14 13	15 58	16 4	18 0		n.a.
S 14	17 32	3 10	3 26	17 26	0 42	25 51	2 9	12 45	0 50	18 42	0 27	22 44	0 45	21 50	0 3	21 30	1 10	3 53	14 14	16 0	16 5	18 1		n.a.
M15	17 49	1n 8	4 8	17 59	0 48	25 53	2 10	12 41	0 52	18 45	0 27	22 44	0 45	21 50	0 3	21 29	1 10	3 53	14 14	16 2	16 6	18 3		n.a.
T 16	18 6	5 21	4 38	18 32	0 54	25 54	2 10	12 37	0 55	18 49	0 27	22 44	0 45	21 49	0 3	21 29	1 10	3 52	14 14	16 6	16 7	18 4		n.a.
W17	18 22	9 18	4 55	19 3	1 0	25 54	2 11	12 34	0 57	18 52	0 27	22 44	0 45	21 49	0 3	21 29	1 10	3 51	14 14	16 10	16 8	18 5		n.a.
T 18	18 38	12 51	4 59	19 34	1 6	25 53	2 11	12 30	0 59	18 56	0 27	22 44	0 45	21 48	0 3	21 29	1 10	3 51	14 14	16 14	16 8	18 6		n.a.
F 19	18 54	15 51	4 49	20 4	1 11	25 52	2 11	12 27	1 1	18 59	0 27	22 43	0 45	21 48	0 3	21 29	1 10	3 50	14 14	16 19	16 9	18 7		n.a.
S 20	19 9	18 11	4 27	20 33	1 16	25 49	2 12	12 23	1 3	19 2	0 27	22 43	0 45	21 48	0 3	21 28	1 10	3 50	14 15	16 23	16 10	18 9		n.a.
S 21	19 24	19 44	3 53	21 0	1 22	25 46	2 12	12 20	1 5	19 6	0 27	22 43	0 45	21 47	0 3	21 28	1 10	3 49	14 15	16 27	16 11	18 10		n.a.
M22	19 38	20 25	3 9	21 27	1 26	25 43	2 12	12 18	1 7	19 9	0 26	22 43	0 45	21 47	0 3	21 28	1 10	3 48	14 15	16 29	16 12	18 11		n.a.
T 23	19 53	20 12	2 17	21 53	1 31	25 38	2 12	12 15	1 8	19 12	0 26	22 43	0 44	21 46	0 3	21 28	1 10	3 48	14 15	16 31	16 13	18 12		n.a.
W24	20 6	19 5	1 18	22 18	1 36	25 33	2 11	12 13	1 10	19 16	0 26	22 42	0 44	21 46	0 3	21 28	1 10	3 47	14 15	16 32	16 14	18 13		n.a.
T 25	20 20	17 5	0 14	22 41	1 40	25 27	2 11	12 11	1 12	19 19	0 26	22 42	0 44	21 45	0 3	21 27	1 10	3 47	14 16	16 32	16 15	18 15		n.a.
F 26	20 33	14 15	0n51	23 4	1 44	25 20	2 11	12 9	1 14	19 22	0 26	22 42	0 44	21 45	0 3	21 27	1 10	3 46	14 16	16 32	16 16	18 16		n.a.
S 27	20 46	10 41	1 56	23 25	1 48	25 13	2 10	12 7	1 15	19 26	0 26	22 42	0 44	21 45	0 3	21 27	1 10	3 46	14 16	16 32	16 17	18 17		n.a.
S 28	20 58	6 31	2 57	23 44	1 51	25 5	2 10	12 6	1 17	19 29	0 26	22 41	0 44	21 44	0 3	21 27	1 10	3 45	14 16	16 32	16 18	18 18		n.a.
M29	21 10	1 52	3 50	24 3	1 54	24 56	2 9	12 5	1 18	19 32	0 26	22 41	0 44	21 44	0 3	21 27	1 10	3 45	14 16	16 33	16 19	18 19		n.a.
T 30	21 s21	3 s 3	4n31	24 s20	1 s57	24 s46	2 s 8	12n 4	1n20	19 s35	0n26	22n41	0 s44	21n43	0n 3	21n26	1 s10	3n44	14n17	16n35	16n20	18n21		n.a.

Julian Day Number = 1635528.5, Delta T = 03h39m24s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'59, Lahiri = - 7°11'59 Julian Calendar 1 Nov. 236 BCE == Greg. Calendar 28 Oct. 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 236 BCE
geocentric

DECEMBER 236 BCE (-235) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 23 16	5♐51'27	2♏47	12♐57	17♑58	27°R46	28♏29	20°R56	6°R35	12°R44	24♎22	14°R39	15♌36	14♊42	n.a.	W 1
T 2	4 27 13	6°52'44	17°46	14°35	19° 9	27♈41	28°42	20♊51	6♊33	12♊42	24°24	14♌29	15°33	14°49	n.a.	T 2
F 3	4 31 9	7°54'02	3♐ 2	16°13	20°20	27°38	28°56	20°47	6°30	12°40	24°26	14°18	15°30	14°55	n.a.	F 3
S 4	4 35 6	8°55'20	18°23	17°51	21°31	27°35	29°10	20°42	6°27	12°39	24°28	14° 8	15°26	15° 2	n.a.	S 4
S 5	4 39 3	9°56'37	3♑37	19°29	22°41	27°33	29°24	20°37	6°25	12°37	24°29	14° 1	15°23	15° 9	n.a.	S 5
M 6	4 42 59	10°57'54	18°34	21° 8	23°52	27°32	29°37	20°32	6°22	12°35	24°31	13°56	15°20	15°15	n.a.	M 6
T 7	4 46 56	11°59'11	3♒ 7	22°46	25° 2	27°D32	29°51	20°27	6°20	12°33	24°33	13°53	15°17	15°22	n.a.	T 7
W 8	4 50 52	13° 0'27	17°13	24°25	26°12	27°32	0♐ 5	20°22	6°17	12°32	24°35	13°D53	15°14	15°29	n.a.	W 8
T 9	4 54 49	14° 1'42	0♓51	26° 3	27°22	27°33	0°18	20°18	6°14	12°30	24°37	13°53	15°10	15°35	n.a.	T 9
F 10	4 58 45	15° 2'56	14° 3	27°42	28°32	27°35	0°32	20°13	6°12	12°28	24°38	13°R54	15° 7	15°42	n.a.	F 10
S 11	5 2 42	16° 4'10	26°53	29°19	29°42	27°38	0°45	20° 8	6° 9	12°27	24°40	13°53	15° 4	15°49	n.a.	S 11
S 12	5 6 38	17° 5'23	9♈25	0♑57	0♒52	27°41	0°59	20° 3	6° 7	12°25	24°42	13°50	15° 1	15°56	n.a.	S 12
M13	5 10 35	18° 6'36	21°43	2°33	2° 1	27°46	1°13	19°58	6° 4	12°23	24°43	13°45	14°58	16° 2	n.a.	M13
T 14	5 14 32	19° 7'47	3♉51	4° 9	3°11	27°51	1°26	19°53	6° 2	12°22	24°45	13°38	14°55	16° 9	n.a.	T 14
W15	5 18 28	20° 8'58	15°51	5°44	4°20	27°56	1°40	19°48	5°59	12°20	24°47	13°28	14°51	16°16	n.a.	W15
T 16	5 22 25	21°10'08	27°46	7°17	5°29	28° 2	1°53	19°43	5°57	12°18	24°48	13°18	14°48	16°22	n.a.	T 16
F 17	5 26 21	22°11'18	9♊39	8°48	6°38	28° 9	2° 6	19°38	5°54	12°17	24°50	13° 7	14°45	16°29	n.a.	F 17
S 18	5 30 18	23°12'27	21°30	10°17	7°47	28°17	2°20	19°33	5°52	12°15	24°51	12°57	14°42	16°36	n.a.	S 18
S 19	5 34 14	24°13'35	3♋22	11°44	8°55	28°25	2°33	19°28	5°50	12°13	24°53	12°49	14°39	16°43	n.a.	S 19
M20	5 38 11	25°14'42	15°15	13° 7	10° 3	28°34	2°47	19°23	5°47	12°12	24°54	12°43	14°36	16°49	n.a.	M20
T 21	5 42 8	26°15'49	27°12	14°26	11°12	28°44	3° 0	19°18	5°45	12°10	24°56	12°39	14°32	16°56	n.a.	T 21
W22	5 46 4	27°16'55	9♌16	15°41	12°20	28°54	3°13	19°13	5°42	12° 8	24°57	12°D38	14°29	17° 3	n.a.	W22
T 23	5 50 1	28°18'00	21°29	16°50	13°27	29° 5	3°26	19° 8	5°40	12° 7	24°58	12°38	14°26	17° 9	n.a.	T 23
F 24	5 53 57	29°19'04	3♍54	17°54	14°35	29°16	3°39	19° 3	5°38	12° 5	25° 0	12°39	14°23	17°16	n.a.	F 24
S 25	5 57 54	0♑20'08	16°36	18°51	15°42	29°28	3°53	18°59	5°35	12° 3	25° 1	12°41	14°20	17°23	n.a.	S 25
S 26	6 1 50	1°21'11	29°39	19°40	16°49	29°40	4° 6	18°54	5°33	12° 2	25° 2	12°R42	14°16	17°29	n.a.	S 26
M27	6 5 47	2°22'13	13♎ 6	20°21	17°56	29°53	4°19	18°49	5°31	12° 0	25° 4	12°41	14°13	17°36	n.a.	M27
T 28	6 9 43	3°23'15	26°59	20°53	19° 3	0♉ 6	4°32	18°44	5°29	11°59	25° 5	12°39	14°10	17°43	n.a.	T 28
W29	6 13 40	4°24'16	11♏19	21°14	20°10	0°20	4°45	18°39	5°27	11°57	25° 6	12°35	14° 7	17°50	n.a.	W29
T 30	6 17 37	5°25'16	26° 3	21°R25	21°16	0°35	4°58	18°35	5°24	11°56	25° 7	12°30	14° 4	17°56	n.a.	T 30
F 31	6 21 33	6♑26'15	11♐ 6	21♑25	22♒22	0♉50	5♐10	18♊30	5♊22	11♊54	25♎ 8	12♌24	14♌ 1	18♊ 3	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	21s32	7s57	4n56	24s36	2s 0	24s36	2s 7	12n 4	1n21	19s38	0n26	22n41	0s44	21n43	0n 3	21n26	1s10	3n44	14n17	16n38	16n21	18n22			n.a.
T 2	21 43	12 30	5 2	24 50	2 2	24 25	2 6	12 3	1 22	19 42	0 26	22 41	0 44	21 42	0 3	21 26	1 10	3 43	14 17	16 41	16 22	18 23			n.a.
F 3	21 53	16 19	4 47	25 3	2 4	24 13	2 5	12 3	1 24	19 45	0 25	22 40	0 44	21 42	0 3	21 26	1 10	3 43	14 18	16 44	16 23	18 24			n.a.
S 4	22 3	19 3	4 11	25 14	2 5	24 1	2 4	12 3	1 25	19 48	0 25	22 40	0 44	21 42	0 3	21 26	1 10	3 42	14 18	16 47	16 24	18 25			n.a.
S 5	22 12	20 23	3 17	25 24	2 6	23 48	2 2	12 4	1 26	19 51	0 25	22 40	0 43	21 41	0 3	21 25	1 10	3 42	14 18	16 49	16 25	18 26			n.a.
M 6	22 21	20 16	2 11	25 32	2 7	23 34	2 1	12 4	1 27	19 54	0 25	22 40	0 43	21 41	0 3	21 25	1 10	3 42	14 18	16 51	16 26	18 28			n.a.
T 7	22 30	18 46	0 57	25 38	2 7	23 20	1 59	12 5	1 28	19 57	0 25	22 39	0 43	21 40	0 3	21 25	1 10	3 41	14 19	16 51	16 27	18 29			n.a.
W 8	22 38	16 9	0s18	25 42	2 6	23 5	1 58	12 6	1 30	20 0	0 25	22 39	0 43	21 40	0 3	21 25	1 10	3 41	14 19	16 51	16 28	18 30			n.a.
T 9	22 45	12 42	1 29	25 45	2 6	22 49	1 56	12 8	1 31	20 3	0 25	22 39	0 43	21 39	0 3	21 25	1 10	3 41	14 19	16 51	16 29	18 31			n.a.
F 10	22 52	8 43	2 34	25 46	2 4	22 33	1 54	12 9	1 32	20 6	0 25	22 38	0 43	21 39	0 3	21 24	1 10	3 40	14 20	16 51	16 29	18 32			n.a.
S 11	22 59	4 26	3 29	25 45	2 2	22 16	1 52	12 11	1 32	20 9	0 25	22 38	0 43	21 39	0 3	21 24	1 10	3 40	14 20	16 51	16 30	18 33			n.a.
S 12	23 5	0 5	4 12	25 42	1 59	21 59	1 50	12 13	1 33	20 12	0 25	22 38	0 43	21 38	0 3	21 24	1 10	3 40	14 20	16 52	16 31	18 34			n.a.
M13	23 11	4n11	4 43	25 38	1 56	21 41	1 47	12 16	1 34	20 15	0 25	22 38	0 43	21 38	0 3	21 24	1 10	3 39	14 21	16 54	16 32	18 36			n.a.
T 14	23 16	8 14	5 1	25 31	1 52	21 23	1 45	12 18	1 35	20 17	0 25	22 37	0 43	21 37	0 3	21 23	1 10	3 39	14 21	16 56	16 33	18 37			n.a.
W15	23 21	11 55	5 5	25 22	1 47	21 4	1 42	12 21	1 36	20 20	0 24	22 37	0 42	21 37	0 3	21 23	1 10	3 39	14 21	16 59	16 34	18 38			n.a.
T 16	23 25	15 6	4 56	25 12	1 41	20 44	1 40	12 24	1 37	20 23	0 24	22 37	0 42	21 36	0 3	21 23	1 10	3 39	14 22	17 2	16 35	18 39			n.a.
F 17	23 29	17 39	4 34	25 0	1 35	20 24	1 37	12 27	1 37	20 26	0 24	22 37	0 42	21 36	0 3	21 23	1 10	3 38	14 22	17 5	16 36	18 40			n.a.
S 18	23 33	19 27	4 0	24 46	1 27	20 3	1 34	12 31	1 38	20 29	0 24	22 36	0 42	21 36	0 3	21 23	1 10	3 38	14 22	17 7	16 37	18 41			n.a.
S 19	23 36	20 25	3 15	24 31	1 19	19 42	1 31	12 34	1 39	20 31	0 24	22 36	0 42	21 35	0 3	21 22	1 10	3 38	14 23	17 10	16 38	18 42			n.a.
M20	23 38	20 29	2 22	24 14	1 10	19 21	1 28	12 38	1 39	20 34	0 24	22 36	0 42	21 35	0 3	21 22	1 10	3 38	14 23	17 12	16 39	18 44			n.a.
T 21	23 40	19 37	1 22	23 55	1 0	18 59	1 25	12 42	1 40	20 37	0 24	22 35	0 42	21 34	0 3	21 22	1 10	3 38	14 23	17 13	16 40	18 45			n.a.
W22	23 42	17 51	0 18	23 35	0 49	18 36	1 22	12 46	1 41	20 39	0 24	22 35	0 42	21 34	0 3	21 22	1 10	3 37	14 24	17 13	16 41	18 46			n.a.
T 23	23 43	15 16	0n48	23 15	0 36	18 14	1 18	12 51	1 41	20 42	0 24	22 35	0 42	21 33	0 3	21 22	1 10	3 37	14 24	17 13	16 42	18 47			n.a.
F 24	23 43	11 57	1 53	22 53	0 23	17 50	1 15	12 55	1 42	20 45	0 24	22 35	0 41	21 33	0 3	21 21	1 10	3 37	14 24	17 13	16 43	18 48			n.a.
S 25	23 43	8 1	2 54	22 32	0 9	17 27	1 11	13 0	1 42	20 47	0 24	22 34	0 41	21 33	0 3	21 21	1 10	3 37	14 25	17 12	16 44	18 49			n.a.
S 26	23 43	3 37	3 48	22 9	0n 6	17 3	1 7	13 5	1 43	20 50	0 24	22 34	0 41	21 32	0 3	21 21	1 9	3 37	14 25	17 12	16 44	18 50			n.a.
M27	23 42	1s 5	4 31	21 48	0 22	16 38	1 3	13 10	1 43	20 52	0 24	22 34	0 41	21 32	0 3	21 21	1 9	3 37	14 26	17 12	16 45	18 51			n.a.
T 28	23 41	5 52	4 59	21 26	0 39	16 13	0 59	13 15	1 44	20 55	0 23	22 34	0 41	21 31	0 3	21 21	1 9	3 37	14 26	17 13	16 46	18 52			n.a.
W29	23 39	10 29	5 11	21 6	0 57	15 48	0 55	13 21	1 44	20 57	0 23	22 33	0 41	21 31	0 3	21 21	1 9	3 37	14 26	17 14	16 47	18 53			n.a.
T 30	23 37	14 36	5 2	20 46	1 14	15 23	0 51	13 26	1 44	21 0	0 23	22 33	0 41	21 31	0 3	21 20	1 9	3 37	14 27	17 15	16 48	18 55			n.a.
F 31	23s34	17s52	4n33	20s28	1n33	14s57	0s46	13n32	1n45	21s 2	0n23	22n33	0s40	21n30	0n 3	21n20	1s 9	3n37	14n27	17n17	16n49	18n56			n.a.

Julian Day Number = 1635558.5, Delta T = 03h39m23s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'55, Lahiri = - 7°11'54 Julian Calendar 1 Dec. 236 BCE == Greg. Calendar 27 Nov. 236 BCE

The year -235 astronomical counting style corresponds to year 236 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

JANUARY 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 25 30	7♑27'13	26♐19	21°R13	23♒28	1♉ 6	5♐23	18°R26	5°R20	11°R53	25♎ 9	12°R19	13♌57	18♊10	n.a.	S 1
S 2	6 29 26	8°28'10	11♑31	20♑51	24°33	1°22	5°36	18♊21	5♊18	11♊51	25°10	12♌14	13°54	18°16	n.a.	S 2
M 3	6 33 23	9°29'06	26°33	20°18	25°38	1°38	5°49	18°17	5°16	11°50	25°11	12°12	13°51	18°23	n.a.	M 3
T 4	6 37 19	10°30'00	11♒16	19°34	26°43	1°55	6° 1	18°12	5°14	11°48	25°12	12°D11	13°48	18°30	n.a.	T 4
W 5	6 41 16	11°30'53	25°33	18°42	27°48	2°12	6°14	18° 8	5°12	11°47	25°13	12°11	13°45	18°36	n.a.	W 5
T 6	6 45 12	12°31'44	9♓23	17°42	28°52	2°30	6°26	18° 4	5°10	11°45	25°14	12°13	13°42	18°43	n.a.	T 6
F 7	6 49 9	13°32'33	22°46	16°36	29°56	2°48	6°39	17°59	5° 8	11°44	25°15	12°15	13°38	18°50	n.a.	F 7
S 8	6 53 6	14°33'21	5♈43	15°27	1♓ 0	3° 7	6°51	17°55	5° 6	11°42	25°16	12°16	13°35	18°57	n.a.	S 8
S 9	6 57 2	15°34'07	18°19	14°15	2° 3	3°26	7° 3	17°51	5° 5	11°41	25°17	12°R16	13°32	19° 3	n.a.	S 9
M10	7 0 59	16°34'51	0♉37	13° 4	3° 6	3°46	7°16	17°47	5° 3	11°40	25°18	12°15	13°29	19°10	n.a.	M10
T 11	7 4 55	17°35'34	12°43	11°55	4° 9	4° 5	7°28	17°43	5° 1	11°38	25°18	12°13	13°26	19°17	n.a.	T 11
W12	7 8 52	18°36'15	24°39	10°49	5°11	4°26	7°40	17°39	5° 0	11°37	25°19	12°10	13°22	19°23	n.a.	W12
T 13	7 12 48	19°36'54	6♊31	9°48	6°13	4°46	7°52	17°35	4°58	11°36	25°20	12° 6	13°19	19°30	n.a.	T 13
F 14	7 16 45	20°37'31	18°21	8°53	7°14	5° 7	8° 4	17°31	4°56	11°35	25°20	12° 2	13°16	19°37	n.a.	F 14
S 15	7 20 41	21°38'07	0♋12	8° 6	8°15	5°28	8°16	17°28	4°55	11°33	25°21	11°59	13°13	19°43	n.a.	S 15
S 16	7 24 38	22°38'41	12° 7	7°25	9°16	5°50	8°27	17°24	4°53	11°32	25°22	11°56	13°10	19°50	n.a.	S 16
M17	7 28 35	23°39'13	24° 8	6°53	10°16	6°12	8°39	17°21	4°52	11°31	25°22	11°54	13° 7	19°57	n.a.	M17
T 18	7 32 31	24°39'44	6♌15	6°28	11°16	6°34	8°51	17°17	4°50	11°30	25°23	11°D53	13° 3	20° 4	n.a.	T 18
W19	7 36 28	25°40'12	18°31	6°11	12°15	6°57	9° 2	17°14	4°49	11°29	25°23	11°53	13° 0	20°10	n.a.	W19
T 20	7 40 24	26°40'40	0♍58	6° 1	13°14	7°20	9°14	17°11	4°48	11°28	25°23	11°54	12°57	20°17	n.a.	T 20
F 21	7 44 21	27°41'05	13°37	5°D59	14°12	7°43	9°25	17° 7	4°46	11°26	25°24	11°55	12°54	20°24	n.a.	F 21
S 22	7 48 17	28°41'29	26°30	6° 3	15°10	8° 6	9°37	17° 4	4°45	11°25	25°24	11°56	12°51	20°30	n.a.	S 22
S 23	7 52 14	29°41'51	9♎39	6°14	16° 7	8°30	9°48	17° 1	4°44	11°24	25°25	11°57	12°47	20°37	n.a.	S 23
M24	7 56 10	0♒42'12	23° 6	6°31	17° 4	8°54	9°59	16°58	4°43	11°23	25°25	11°58	12°44	20°44	n.a.	M24
T 25	8 0 7	1°42'31	6♏53	6°53	18° 0	9°18	10°10	16°56	4°42	11°22	25°25	11°R58	12°41	20°50	n.a.	T 25
W26	8 4 4	2°42'49	20°59	7°21	18°56	9°43	10°21	16°53	4°41	11°21	25°25	11°57	12°38	20°57	n.a.	W26
T 27	8 8 0	3°43'06	5♐23	7°53	19°51	10° 8	10°32	16°50	4°40	11°21	25°25	11°57	12°35	21° 4	n.a.	T 27
F 28	8 11 57	4°43'20	20° 3	8°30	20°45	10°33	10°43	16°48	4°39	11°20	25°26	11°56	12°32	21°10	n.a.	F 28
S 29	8 15 53	5°43'33	4♑52	9°12	21°39	10°58	10°53	16°45	4°38	11°19	25°26	11°55	12°28	21°17	n.a.	S 29
S 30	8 19 50	6°43'45	19°44	9°57	22°32	11°24	11° 4	16°43	4°37	11°18	25°26	11°55	12°25	21°24	n.a.	S 30
M31	8 23 46	7♒43'54	4♒31	10♑45	23♓24	11♉49	11♐14	16♊41	4♊36	11♊17	25°R26	11♌54	12♌22	21♊31	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23s31	19s56	3n44	20s12	1n51	14s31	0s42	13n38	1n45	21s 4	0n23	22n32	0s40	21n30	0n 3	21n20	1s 9	3n37	14n28	17n18	16n50	18n57		n.a.	S 1
S 2	23 27	20 34	2 40	19 58	2 9	14 5	0 37	13 44	1 45	21 7	0 23	22 32	0 40	21 30	0 3	21 20	1 9	3 37	14 28	17 20	16 51	18 58		n.a.	S 2
M 3	23 23	19 43	1 24	19 46	2 26	13 38	0 33	13 50	1 46	21 9	0 23	22 32	0 40	21 29	0 3	21 20	1 9	3 37	14 28	17 20	16 52	18 59		n.a.	M 3
T 4	23 18	17 31	0 5	19 36	2 42	13 11	0 28	13 56	1 46	21 11	0 23	22 32	0 40	21 29	0 3	21 19	1 9	3 37	14 29	17 21	16 53	19 0		n.a.	T 4
W 5	23 13	14 17	1s13	19 28	2 57	12 44	0 23	14 2	1 46	21 14	0 23	22 31	0 40	21 29	0 3	21 19	1 9	3 37	14 29	17 20	16 54	19 1		n.a.	W 5
T 6	23 7	10 21	2 24	19 23	3 11	12 17	0 18	14 9	1 47	21 16	0 23	22 31	0 40	21 28	0 3	21 19	1 9	3 37	14 30	17 20	16 55	19 2		n.a.	T 6
F 7	23 1	6 2	3 24	19 20	3 22	11 49	0 13	14 16	1 47	21 18	0 23	22 31	0 40	21 28	0 3	21 19	1 9	3 37	14 30	17 20	16 56	19 3		n.a.	F 7
S 8	22 55	1 34	4 13	19 19	3 32	11 22	0 7	14 22	1 47	21 20	0 23	22 31	0 39	21 28	0 3	21 19	1 9	3 37	14 30	17 19	16 57	19 4		n.a.	S 8
S 9	22 48	2n50	4 47	19 20	3 39	10 54	0 2	14 29	1 47	21 22	0 23	22 30	0 39	21 27	0 3	21 19	1 9	3 37	14 31	17 19	16 57	19 5		n.a.	S 9
M10	22 41	7 1	5 8	19 22	3 43	10 26	0n 4	14 36	1 47	21 24	0 23	22 30	0 39	21 27	0 3	21 19	1 9	3 37	14 31	17 19	16 58	19 6		n.a.	M10
T 11	22 33	10 51	5 14	19 26	3 45	9 58	0 9	14 43	1 48	21 27	0 22	22 30	0 39	21 27	0 3	21 18	1 9	3 37	14 32	17 20	16 59	19 7		n.a.	T 11
W12	22 25	14 12	5 7	19 32	3 45	9 29	0 15	14 50	1 48	21 29	0 22	22 30	0 39	21 26	0 3	21 18	1 9	3 38	14 32	17 21	17 0	19 8		n.a.	W12
T 13	22 16	16 57	4 46	19 39	3 43	9 1	0 21	14 57	1 48	21 31	0 22	22 30	0 39	21 26	0 3	21 18	1 9	3 38	14 33	17 22	17 1	19 9		n.a.	T 13
F 14	22 7	19 0	4 14	19 47	3 39	8 33	0 27	15 5	1 48	21 33	0 22	22 29	0 38	21 26	0 3	21 18	1 9	3 38	14 33	17 23	17 2	19 10		n.a.	F 14
S 15	21 58	20 13	3 30	19 56	3 33	8 4	0 33	15 12	1 48	21 35	0 22	22 29	0 38	21 25	0 4	21 18	1 9	3 38	14 33	17 24	17 3	19 11		n.a.	S 15
S 16	21 48	20 33	2 37	20 5	3 26	7 35	0 39	15 19	1 48	21 37	0 22	22 29	0 38	21 25	0 4	21 18	1 9	3 38	14 34	17 25	17 4	19 13		n.a.	S 16
M17	21 37	19 57	1 37	20 16	3 17	7 7	0 45	15 27	1 48	21 38	0 22	22 29	0 38	21 25	0 4	21 18	1 9	3 39	14 34	17 25	17 5	19 14		n.a.	M17
T 18	21 27	18 26	0 31	20 26	3 7	6 38	0 51	15 34	1 49	21 40	0 22	22 29	0 38	21 25	0 4	21 17	1 9	3 39	14 35	17 26	17 6	19 15		n.a.	T 18
W19	21 16	16 2	0n37	20 38	2 57	6 9	0 58	15 42	1 49	21 42	0 22	22 29	0 38	21 24	0 4	21 17	1 9	3 39	14 35	17 26	17 7	19 16		n.a.	W19
T 20	21 4	12 52	1 44	20 49	2 46	5 40	1 4	15 50	1 49	21 44	0 22	22 28	0 38	21 24	0 4	21 17	1 9	3 39	14 36	17 25	17 8	19 17		n.a.	T 20
F 21	20 52	9 5	2 47	21 1	2 34	5 12	1 11	15 57	1 49	21 46	0 22	22 28	0 37	21 24	0 4	21 17	1 9	3 40	14 36	17 25	17 8	19 18		n.a.	F 21
S 22	20 40	4 48	3 43	21 12	2 23	4 43	1 18	16 5	1 49	21 48	0 22	22 28	0 37	21 24	0 4	21 17	1 9	3 40	14 37	17 25	17 9	19 19		n.a.	S 22
S 23	20 27	0 14	4 28	21 24	2 11	4 14	1 25	16 13	1 49	21 49	0 22	22 28	0 37	21 24	0 4	21 17	1 9	3 40	14 37	17 25	17 10	19 20		n.a.	S 23
M24	20 14	4s26	5 0	21 35	1 58	3 46	1 31	16 21	1 49	21 51	0 22	22 28	0 37	21 23	0 4	21 17	1 9	3 40	14 37	17 24	17 11	19 21		n.a.	M24
T 25	20 1	9 0	5 16	21 46	1 46	3 17	1 38	16 29	1 49	21 53	0 22	22 28	0 37	21 23	0 4	21 17	1 8	3 41	14 38	17 24	17 12	19 22		n.a.	T 25
W26	19 47	13 11	5 13	21 57	1 34	2 49	1 46	16 37	1 49	21 54	0 22	22 28	0 37	21 23	0 4	21 17	1 8	3 41	14 38	17 24	17 13	19 23		n.a.	W26
T 27	19 33	16 41	4 51	22 7	1 22	2 21	1 53	16 45	1 49	21 56	0 21	22 27	0 36	21 23	0 4	21 17	1 8	3 41	14 39	17 25	17 14	19 24		n.a.	T 27
F 28	19 19	19 11	4 10	22 17	1 10	1 52	2 0	16 53	1 49	21 58	0 21	22 27	0 36	21 23	0 4	21 16	1 8	3 42	14 39	17 25	17 15	19 25		n.a.	F 28
S 29	19 4	20 26	3 12	22 25	0 59	1 24	2 7	17 1	1 49	21 59	0 21	22 27	0 36	21 22	0 4	21 16	1 8	3 42	14 40	17 25	17 16	19 26		n.a.	S 29
S 30	18 49	20 16	2 0	22 34	0 47	0 56	2 15	17 9	1 49	22 1	0 21	22 27	0 36	21 22	0 4	21 16	1 8	3 43	14 40	17 25	17 17	19 27		n.a.	S 30
M31	18s33	18s42	0n41	22s41	0n36	0s29	2n22	17n17	1n49	22s 2	0n21	22n27	0s36	21n22	0n 4	21n16	1s 8	3n43	14n40	17n25	17n17	19n28		n.a.	M31

Julian Day Number = 1635589.5, Delta T = 03h39m22s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'51, Lahiri = - 7°11'50 Julian Calendar 1 Jan. 235 BCE == Greg. Calendar 28 Dec. 236 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

FEBRUARY 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 27 43	8♒44'01	19♒ 6	11♉37	24♓16	12♉15	11♐25	16°R39	4°R35	11°R16	25°R26	11°D54	12♌19	21♊37	n.a.	T 1
W 2	8 31 39	9°44'07	3♓23	12°32	25° 7	12°42	11°35	16♊37	4♊35	11♊16	25♎26	11♌54	12°16	21°44	n.a.	W 2
T 3	8 35 36	10°44'10	17°17	13°30	25°57	13° 8	11°45	16°35	4°34	11°15	25°26	11°55	12°13	21°51	n.a.	T 3
F 4	8 39 33	11°44'11	0♈46	14°31	26°46	13°35	11°55	16°33	4°33	11°14	25°26	11°R55	12° 9	21°57	n.a.	F 4
S 5	8 43 29	12°44'09	13°50	15°34	27°34	14° 2	12° 5	16°31	4°33	11°14	25°25	11°55	12° 6	22° 4	n.a.	S 5
S 6	8 47 26	13°44'06	26°32	16°40	28°22	14°29	12°15	16°30	4°32	11°13	25°25	11°55	12° 3	22°11	n.a.	S 6
M 7	8 51 22	14°44'00	8♉55	17°48	29° 8	14°56	12°25	16°28	4°32	11°12	25°25	11°D54	12° 0	22°17	n.a.	M 7
T 8	8 55 19	15°43'52	21° 2	18°58	29°54	15°24	12°34	16°27	4°32	11°12	25°25	11°54	11°57	22°24	n.a.	T 8
W 9	8 59 15	16°43'41	3♊ 0	20°10	0♈39	15°51	12°44	16°26	4°31	11°11	25°24	11°55	11°53	22°31	n.a.	W 9
T 10	9 3 12	17°43'28	14°51	21°24	1°22	16°19	12°53	16°25	4°31	11°11	25°24	11°55	11°50	22°37	n.a.	T 10
F 11	9 7 8	18°43'13	26°41	22°39	2° 5	16°47	13° 3	16°24	4°31	11°10	25°24	11°56	11°47	22°44	n.a.	F 11
S 12	9 11 5	19°42'56	8♋34	23°57	2°46	17°15	13°12	16°23	4°31	11°10	25°23	11°57	11°44	22°51	n.a.	S 12
S 13	9 15 2	20°42'36	20°33	25°16	3°26	17°44	13°21	16°22	4°31	11°10	25°23	11°57	11°41	22°58	n.a.	S 13
M14	9 18 58	21°42'14	2♌41	26°37	4° 5	18°12	13°30	16°21	4°30	11° 9	25°23	11°58	11°38	23° 4	n.a.	M14
T 15	9 22 55	22°41'50	15° 1	27°59	4°43	18°41	13°39	16°21	4°D30	11° 9	25°22	11°R58	11°34	23°11	n.a.	T 15
W16	9 26 51	23°41'23	27°33	29°23	5°20	19°10	13°47	16°20	4°31	11° 9	25°22	11°58	11°31	23°18	n.a.	W16
T 17	9 30 48	24°40'55	10♍20	0♒48	5°55	19°39	13°56	16°20	4°31	11° 8	25°21	11°57	11°28	23°24	n.a.	T 17
F 18	9 34 44	25°40'24	23°20	2°15	6°29	20° 8	14° 4	16°19	4°31	11° 8	25°20	11°55	11°25	23°31	n.a.	F 18
S 19	9 38 41	26°39'51	6♎35	3°44	7° 1	20°38	14°12	16°19	4°31	11° 8	25°20	11°53	11°22	23°38	n.a.	S 19
S 20	9 42 37	27°39'17	20° 2	5°13	7°32	21° 7	14°21	16°D19	4°31	11° 8	25°19	11°51	11°19	23°44	n.a.	S 20
M21	9 46 34	28°38'40	3♏42	6°44	8° 1	21°37	14°29	16°19	4°32	11° 8	25°18	11°49	11°15	23°51	n.a.	M21
T 22	9 50 30	29°38'02	17°34	8°17	8°29	22° 6	14°36	16°19	4°32	11° 8	25°18	11°48	11°12	23°58	n.a.	T 22
W23	9 54 27	0♓37'21	1♐37	9°51	8°55	22°36	14°44	16°20	4°32	11° 8	25°17	11°D47	11° 9	24° 4	n.a.	W23
T 24	9 58 24	1°36'39	15°48	11°26	9°19	23° 6	14°52	16°20	4°33	11°D 8	25°16	11°48	11° 6	24°11	n.a.	T 24
F 25	10 2 20	2°35'56	0♉ 7	13° 3	9°42	23°37	14°59	16°21	4°33	11° 8	25°15	11°49	11° 3	24°18	n.a.	F 25
S 26	10 6 17	3°35'10	14°30	14°41	10° 2	24° 7	15° 7	16°21	4°34	11° 8	25°15	11°50	10°59	24°24	n.a.	S 26
S 27	10 10 13	4°34'22	28°54	16°20	10°21	24°37	15°14	16°22	4°35	11° 8	25°14	11°52	10°56	24°31	n.a.	S 27
M28	10 14 10	5♓33'33	13♒15	18♒ 1	10♈38	25♉ 8	15♐21	16♊23	4♊35	11♊ 8	25♎13	11°R52	10♌53	24♊38	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s17	15s54	0s40	22s47	0n25	0s 1	2n30	17n25	1n49	22s 4	0n21	22n27	0s36	21n22	0n 4	21n16	1s 8	3n43	14n41	17n25	17n18	19n29		n.a.
W 2	18 1	12 12	1 57	22 53	0 14	0n26	2 37	17 33	1 49	22 5	0 21	22 27	0 35	21 22	0 4	21 16	1 8	3 44	14 41	17 25	17 19	19 30		n.a.
T 3	17 45	7 54	3 4	22 58	0 4	0 53	2 45	17 41	1 49	22 7	0 21	22 27	0 35	21 22	0 4	21 16	1 8	3 44	14 42	17 25	17 20	19 30		n.a.
F 4	17 28	3 21	3 59	23 1	0s 6	1 20	2 53	17 50	1 49	22 8	0 21	22 27	0 35	21 22	0 4	21 16	1 8	3 45	14 42	17 25	17 21	19 31		n.a.
S 5	17 11	1n13	4 40	23 4	0 16	1 47	3 1	17 58	1 49	22 10	0 21	22 27	0 35	21 22	0 4	21 16	1 8	3 45	14 43	17 25	17 22	19 32		n.a.
S 6	16 54	5 36	5 6	23 5	0 25	2 13	3 9	18 6	1 49	22 11	0 21	22 27	0 35	21 22	0 4	21 16	1 8	3 46	14 43	17 25	17 23	19 33		n.a.
M 7	16 36	9 38	5 17	23 5	0 34	2 39	3 17	18 14	1 49	22 12	0 21	22 27	0 35	21 21	0 4	21 16	1 8	3 46	14 43	17 25	17 24	19 34		n.a.
T 8	16 19	13 11	5 14	23 4	0 43	3 5	3 25	18 22	1 48	22 14	0 21	22 27	0 35	21 21	0 4	21 16	1 8	3 46	14 44	17 25	17 25	19 35		n.a.
W 9	16 0	16 9	4 56	23 2	0 51	3 30	3 33	18 30	1 48	22 15	0 21	22 27	0 34	21 21	0 4	21 16	1 8	3 47	14 44	17 25	17 26	19 36		n.a.
T 10	15 42	18 26	4 27	22 58	0 59	3 55	3 41	18 38	1 48	22 16	0 21	22 27	0 34	21 21	0 4	21 16	1 8	3 47	14 45	17 25	17 26	19 37		n.a.
F 11	15 23	19 55	3 46	22 53	1 6	4 20	3 49	18 47	1 48	22 17	0 21	22 27	0 34	21 21	0 4	21 16	1 8	3 48	14 45	17 25	17 27	19 38		n.a.
S 12	15 5	20 32	2 55	22 47	1 14	4 44	3 57	18 55	1 48	22 19	0 21	22 27	0 34	21 21	0 4	21 16	1 8	3 48	14 45	17 25	17 28	19 39		n.a.
S 13	14 46	20 13	1 56	22 39	1 21	5 8	4 6	19 3	1 48	22 20	0 20	22 27	0 34	21 21	0 4	21 16	1 8	3 49	14 46	17 24	17 29	19 40		n.a.
M14	14 26	18 58	0 51	22 30	1 27	5 31	4 14	19 11	1 48	22 21	0 20	22 27	0 34	21 21	0 4	21 16	1 8	3 50	14 46	17 24	17 30	19 41		n.a.
T 15	14 7	16 47	0n17	22 20	1 33	5 54	4 22	19 19	1 48	22 22	0 20	22 28	0 33	21 21	0 4	21 16	1 8	3 50	14 47	17 24	17 31	19 42		n.a.
W16	13 47	13 48	1 25	22 8	1 39	6 16	4 31	19 27	1 48	22 23	0 20	22 28	0 33	21 21	0 4	21 16	1 8	3 51	14 47	17 24	17 32	19 43		n.a.
T 17	13 27	10 6	2 31	21 54	1 44	6 38	4 39	19 35	1 48	22 24	0 20	22 28	0 33	21 21	0 4	21 16	1 7	3 51	14 47	17 25	17 33	19 44		n.a.
F 18	13 7	5 52	3 29	21 39	1 49	6 59	4 47	19 43	1 47	22 25	0 20	22 28	0 33	21 21	0 4	21 16	1 7	3 52	14 48	17 25	17 34	19 45		n.a.
S 19	12 46	1 18	4 18	21 23	1 53	7 20	4 56	19 50	1 47	22 27	0 20	22 28	0 33	21 21	0 4	21 16	1 7	3 52	14 48	17 26	17 34	19 46		n.a.
S 20	12 26	3s24	4 53	21 5	1 57	7 40	5 4	19 58	1 47	22 28	0 20	22 28	0 33	21 21	0 4	21 16	1 7	3 53	14 49	17 26	17 35	19 46		n.a.
M21	12 5	8 0	5 13	20 45	2 1	7 59	5 12	20 6	1 47	22 29	0 20	22 28	0 32	21 21	0 4	21 16	1 7	3 53	14 49	17 27	17 36	19 47		n.a.
T 22	11 44	12 15	5 14	20 24	2 4	8 18	5 20	20 14	1 47	22 30	0 20	22 29	0 32	21 22	0 4	21 16	1 7	3 54	14 49	17 27	17 37	19 48		n.a.
W23	11 23	15 53	4 57	20 2	2 7	8 35	5 28	20 21	1 47	22 30	0 20	22 29	0 32	21 22	0 4	21 16	1 7	3 55	14 50	17 27	17 38	19 49		n.a.
T 24	11 2	18 37	4 22	19 37	2 9	8 53	5 36	20 29	1 47	22 31	0 20	22 29	0 32	21 22	0 4	21 16	1 7	3 55	14 50	17 27	17 39	19 50		n.a.
F 25	10 40	20 13	3 30	19 11	2 11	9 9	5 44	20 37	1 46	22 32	0 20	22 29	0 32	21 22	0 4	21 16	1 7	3 56	14 50	17 27	17 40	19 51		n.a.
S 26	10 19	20 31	2 25	18 44	2 13	9 24	5 52	20 44	1 46	22 33	0 20	22 29	0 32	21 22	0 4	21 16	1 7	3 56	14 51	17 26	17 41	19 52		n.a.
S 27	9 57	19 28	1 11	18 15	2 14	9 39	6 0	20 52	1 46	22 34	0 20	22 30	0 31	21 22	0 4	21 16	1 7	3 57	14 51	17 26	17 42	19 53		n.a.
M28	9s35	17s10	0s 8	17s44	2s14	9n53	6n 8	20n59	1n46	22s35	0n20	22n30	0s31	21n22	0n 4	21n16	1s 7	3n58	14n51	17n26	17n42	19n54		n.a.

Julian Day Number = 1635620.5, Delta T = 03h39m21s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'46, Lahiri = - 7°11'46 Julian Calendar 1 Feb. 235 BCE == Greg. Calendar 28 Jan. 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

MARCH 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 18 6	6♓32'41	27♒28	19♒43	10♈52	25♉39	15♐28	16♊24	4♊36	11♊ 8	25°R12	11°R51	10♌50	24♊45	n.a.	T 1
W 2	10 22 3	7°31'47	11♓28	21°27	11° 5	26° 9	15°34	16°25	4°37	11° 8	25♎11	11♌49	10°47	24°51	n.a.	W 2
T 3	10 25 59	8°30'51	25°12	23°12	11°16	26°40	15°41	16°26	4°38	11° 8	25°10	11°46	10°44	24°58	n.a.	T 3
F 4	10 29 56	9°29'53	8♈37	24°58	11°24	27°11	15°47	16°27	4°39	11° 9	25° 9	11°42	10°40	25° 5	n.a.	F 4
S 5	10 33 53	10°28'52	21°40	26°46	11°30	27°43	15°54	16°29	4°39	11° 9	25° 8	11°37	10°37	25°11	n.a.	S 5
S 6	10 37 49	11°27'49	4♉24	28°35	11°34	28°14	16° 0	16°30	4°40	11° 9	25° 7	11°33	10°34	25°18	n.a.	S 6
M 7	10 41 46	12°26'44	16°49	0♓26	11°R35	28°45	16° 6	16°32	4°42	11°10	25° 6	11°29	10°31	25°25	n.a.	M 7
T 8	10 45 42	13°25'36	28°59	2°18	11°34	29°17	16°12	16°34	4°43	11°10	25° 5	11°27	10°28	25°31	n.a.	T 8
W 9	10 49 39	14°24'27	10♊57	4°12	11°30	29°48	16°17	16°36	4°44	11°10	25° 4	11°D25	10°25	25°38	n.a.	W 9
T 10	10 53 35	15°23'14	22°49	6° 7	11°24	0♊20	16°23	16°37	4°45	11°11	25° 2	11°26	10°21	25°45	n.a.	T 10
F 11	10 57 32	16°22'00	4♋40	8° 3	11°16	0°52	16°28	16°40	4°46	11°11	25° 1	11°27	10°18	25°51	n.a.	F 11
S 12	11 1 28	17°20'43	16°34	10° 1	11° 5	1°24	16°33	16°42	4°48	11°12	25° 0	11°29	10°15	25°58	n.a.	S 12
S 13	11 5 25	18°19'24	28°36	12° 0	10°51	1°56	16°38	16°44	4°49	11°12	24°59	11°30	10°12	26° 5	n.a.	S 13
M14	11 9 21	19°18'02	10♌50	14° 1	10°35	2°28	16°43	16°46	4°50	11°13	24°58	11°R31	10° 9	26°11	n.a.	M14
T 15	11 13 18	20°16'39	23°20	16° 3	10°17	3° 0	16°48	16°49	4°52	11°14	24°56	11°30	10° 5	26°18	n.a.	T 15
W16	11 17 15	21°15'13	6♍ 7	18° 6	9°56	3°32	16°52	16°51	4°53	11°14	24°55	11°28	10° 2	26°25	n.a.	W16
T 17	11 21 11	22°13'44	19°14	20°10	9°33	4° 4	16°57	16°54	4°55	11°15	24°54	11°23	9°59	26°31	n.a.	T 17
F 18	11 25 8	23°12'14	2♎38	22°15	9° 8	4°37	17° 1	16°57	4°56	11°16	24°52	11°17	9°56	26°38	n.a.	F 18
S 19	11 29 4	24°10'42	16°19	24°21	8°41	5° 9	17° 5	17° 0	4°58	11°16	24°51	11°11	9°53	26°45	n.a.	S 19
S 20	11 33 1	25° 9'08	0♏13	26°28	8°11	5°42	17° 9	17° 3	5° 0	11°17	24°50	11° 4	9°50	26°52	n.a.	S 20
M21	11 36 57	26° 7'32	14°16	28°36	7°40	6°14	17°12	17° 6	5° 1	11°18	24°48	10°57	9°46	26°58	n.a.	M21
T 22	11 40 54	27° 5'55	28°25	0♈43	7° 8	6°47	17°16	17° 9	5° 3	11°19	24°47	10°52	9°43	27° 5	n.a.	T 22
W23	11 44 50	28° 4'16	12♐37	2°51	6°34	7°20	17°19	17°12	5° 5	11°20	24°45	10°49	9°40	27°12	n.a.	W23
T 24	11 48 47	29° 2'35	26°48	4°59	5°58	7°53	17°22	17°15	5° 7	11°21	24°44	10°D48	9°37	27°18	n.a.	T 24
F 25	11 52 44	0♈ 0'53	10♑57	7° 6	5°22	8°26	17°25	17°19	5° 9	11°22	24°43	10°49	9°34	27°25	n.a.	F 25
S 26	11 56 40	0°59'09	25° 2	9°12	4°45	8°59	17°28	17°22	5°11	11°22	24°41	10°50	9°30	27°32	n.a.	S 26
S 27	12 0 37	1°57'24	9♒ 2	11°17	4° 7	9°32	17°30	17°26	5°13	11°23	24°40	10°R50	9°27	27°38	n.a.	S 27
M28	12 4 33	2°55'37	22°56	13°20	3°29	10° 5	17°33	17°30	5°15	11°24	24°38	10°50	9°24	27°45	n.a.	M28
T 29	12 8 30	3°53'48	6♓42	15°22	2°51	10°38	17°35	17°34	5°17	11°26	24°37	10°47	9°21	27°52	n.a.	T 29
W30	12 12 26	4°51'57	20°19	17°22	2°13	11°12	17°37	17°37	5°19	11°27	24°35	10°42	9°18	27°58	n.a.	W30
T 31	12 16 23	5♈50'05	3♈42	19♈20	1♈36	11♊45	17♐39	17♊41	5♊21	11♊28	24♎33	10♌34	9♌15	28♊ 5	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s13	13s49	1s25	17s12	2s14	10n 5	6n15	21n 6	1n46	22s36	0n20	22n30	0s31	21n22	0n 4	21n16	1s 7	3n58	14n52	17n26	17n43	19n54		n.a.
W 2	8 51	9 44	2 36	16 38	2 14	10 17	6 23	21 14	1 46	22 37	0 19	22 30	0 31	21 22	0 4	21 16	1 7	3 59	14 52	17 27	17 44	19 55		n.a.
T 3	8 28	5 13	3 36	16 2	2 13	10 28	6 30	21 21	1 45	22 37	0 19	22 31	0 31	21 23	0 4	21 17	1 7	4 0	14 52	17 28	17 45	19 56		n.a.
F 4	8 6	0 34	4 23	15 25	2 11	10 37	6 37	21 28	1 45	22 38	0 19	22 31	0 31	21 23	0 4	21 17	1 7	4 0	14 53	17 29	17 46	19 57		n.a.
S 5	7 43	4n 0	4 54	14 46	2 9	10 46	6 43	21 35	1 45	22 39	0 19	22 31	0 31	21 23	0 4	21 17	1 7	4 1	14 53	17 30	17 47	19 58		n.a.
S 6	7 21	8 16	5 11	14 5	2 7	10 53	6 50	21 42	1 45	22 39	0 19	22 32	0 30	21 23	0 4	21 17	1 7	4 2	14 53	17 31	17 48	19 59		n.a.
M 7	6 58	12 5	5 12	13 23	2 4	10 59	6 56	21 49	1 45	22 40	0 19	22 32	0 30	21 23	0 4	21 17	1 7	4 2	14 54	17 32	17 49	20 0		n.a.
T 8	6 35	15 19	4 58	12 39	2 0	11 4	7 1	21 56	1 44	22 41	0 19	22 32	0 30	21 24	0 4	21 17	1 7	4 3	14 54	17 33	17 49	20 0		n.a.
W 9	6 12	17 51	4 33	11 53	1 56	11 8	7 7	22 3	1 44	22 41	0 19	22 33	0 30	21 24	0 4	21 17	1 6	4 4	14 54	17 33	17 50	20 1		n.a.
T 10	5 50	19 37	3 55	11 6	1 52	11 10	7 12	22 9	1 44	22 42	0 19	22 33	0 30	21 24	0 4	21 17	1 6	4 4	14 54	17 33	17 51	20 2		n.a.
F 11	5 26	20 31	3 8	10 17	1 46	11 10	7 16	22 16	1 44	22 43	0 19	22 33	0 30	21 24	0 4	21 17	1 6	4 5	14 55	17 33	17 52	20 3		n.a.
S 12	5 3	20 30	2 12	9 27	1 41	11 10	7 20	22 22	1 44	22 43	0 19	22 34	0 29	21 25	0 4	21 17	1 6	4 6	14 55	17 33	17 53	20 4		n.a.
S 13	4 40	19 33	1 10	8 36	1 35	11 8	7 24	22 29	1 43	22 44	0 19	22 34	0 29	21 25	0 4	21 18	1 6	4 6	14 55	17 32	17 54	20 5		n.a.
M14	4 17	17 40	0 4	7 43	1 28	11 4	7 27	22 35	1 43	22 44	0 19	22 34	0 29	21 25	0 4	21 18	1 6	4 7	14 56	17 32	17 55	20 6		n.a.
T 15	3 54	14 54	1n 4	6 48	1 21	10 59	7 29	22 41	1 43	22 45	0 19	22 35	0 29	21 25	0 4	21 18	1 6	4 8	14 56	17 32	17 56	20 6		n.a.
W16	3 30	11 23	2 10	5 52	1 13	10 52	7 31	22 47	1 43	22 45	0 19	22 35	0 29	21 26	0 4	21 18	1 6	4 8	14 56	17 33	17 56	20 7		n.a.
T 17	3 7	7 13	3 10	4 56	1 5	10 44	7 32	22 53	1 43	22 46	0 18	22 36	0 29	21 26	0 4	21 18	1 6	4 9	14 56	17 34	17 57	20 8		n.a.
F 18	2 44	2 38	4 2	3 58	0 56	10 34	7 32	22 59	1 42	22 46	0 18	22 36	0 29	21 26	0 4	21 18	1 6	4 10	14 56	17 36	17 58	20 9		n.a.
S 19	2 20	2s11	4 40	2 59	0 47	10 23	7 32	23 5	1 42	22 47	0 18	22 36	0 28	21 27	0 4	21 18	1 6	4 10	14 57	17 38	17 59	20 10		n.a.
S 20	1 57	6 57	5 3	1 59	0 37	10 10	7 30	23 11	1 42	22 47	0 18	22 37	0 28	21 27	0 4	21 19	1 6	4 11	14 57	17 40	18 0	20 10		n.a.
M21	1 33	11 24	5 8	0 59	0 27	9 55	7 28	23 16	1 42	22 48	0 18	22 37	0 28	21 27	0 4	21 19	1 6	4 12	14 57	17 41	18 1	20 11		n.a.
T 22	1 10	15 16	4 54	0n 2	0 17	9 40	7 26	23 22	1 42	22 48	0 18	22 38	0 28	21 27	0 4	21 19	1 6	4 12	14 57	17 43	18 2	20 12		n.a.
W23	0 47	18 14	4 23	1 3	0 6	9 23	7 22	23 27	1 41	22 49	0 18	22 38	0 28	21 28	0 4	21 19	1 6	4 13	14 57	17 43	18 2	20 13		n.a.
T 24	0 23	20 6	3 35	2 4	0n 5	9 4	7 17	23 33	1 41	22 49	0 18	22 39	0 28	21 28	0 4	21 19	1 6	4 14	14 58	17 44	18 3	20 14		n.a.
F 25	0n 0	20 42	2 34	3 5	0 16	8 45	7 12	23 38	1 41	22 49	0 18	22 39	0 27	21 29	0 4	21 19	1 6	4 14	14 58	17 44	18 4	20 14		n.a.
S 26	0 24	20 0	1 24	4 6	0 27	8 24	7 6	23 43	1 41	22 50	0 18	22 40	0 27	21 29	0 4	21 20	1 6	4 15	14 58	17 43	18 5	20 15		n.a.
S 27	0 47	18 3	0 10	5 5	0 38	8 3	6 59	23 48	1 40	22 50	0 18	22 40	0 27	21 29	0 4	21 20	1 6	4 16	14 58	17 43	18 6	20 16		n.a.
M28	1 11	15 3	1s 5	6 4	0 48	7 40	6 51	23 53	1 40	22 50	0 18	22 41	0 27	21 30	0 4	21 20	1 6	4 16	14 58	17 43	18 7	20 17		n.a.
T 29	1 34	11 14	2 14	7 2	0 59	7 17	6 43	23 57	1 40	22 51	0 18	22 41	0 27	21 30	0 4	21 20	1 6	4 17	14 58	17 44	18 8	20 17		n.a.
W30	1 57	6 52	3 15	7 58	1 10	6 54	6 33	24 2	1 40	22 51	0 18	22 42	0 27	21 30	0 4	21 20	1 6	4 18	14 58	17 46	18 8	20 18		n.a.
T 31	2n21	2s15	4s 5	8n53	1n20	6n30	6n24	24n 6	1n39	22s51	0n17	22n42	0s27	21n31	0n 4	21n20	1s 5	4n18	14n59	17n48	18n 9	20n19		n.a.

Julian Day Number = 1635648.5, Delta T = 03h39m20s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'43, Lahiri = - 7°11'42 Julian Calendar 1 March 235 BCE == Greg. Calendar 25 Feb. 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

APRIL 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 20 19	6♈48'11	16♈52	21♈15	0°R59	12♊18	17♐40	17♊46	5♊23	11♊29	24°R32	10°R25	9♌11	28♊12	n.a.	F 1
S 2	12 24 16	7°46'15	29°46	23° 7	0♈24	12°52	17°42	17°50	5°26	11°30	24♎30	10♌15	9° 8	28°18	n.a.	S 2
S 3	12 28 12	8°44'17	12♉23	24°56	29♓49	13°26	17°43	17°54	5°28	11°31	24°29	10° 5	9° 5	28°25	n.a.	S 3
M 4	12 32 9	9°42'18	24°45	26°42	29°16	13°59	17°44	17°58	5°30	11°32	24°27	9°56	9° 2	28°32	n.a.	M 4
T 5	12 36 6	10°40'16	6♊53	28°25	28°44	14°33	17°45	18° 3	5°33	11°34	24°26	9°49	8°59	28°38	n.a.	T 5
W 6	12 40 2	11°38'13	18°50	0♋ 4	28°13	15° 7	17°46	18° 7	5°35	11°35	24°24	9°44	8°56	28°45	n.a.	W 6
T 7	12 43 59	12°36'08	0♌42	1°39	27°45	15°41	17°46	18°12	5°38	11°36	24°22	9°41	8°52	28°52	n.a.	T 7
F 8	12 47 55	13°34'01	12°32	3°11	27°19	16°15	17°46	18°17	5°40	11°38	24°21	9°D40	8°49	28°58	n.a.	F 8
S 9	12 51 52	14°31'52	24°25	4°39	26°54	16°49	17°R47	18°21	5°43	11°39	24°19	9°41	8°46	29° 5	n.a.	S 9
S 10	12 55 48	15°29'41	6♌27	6° 3	26°32	17°23	17°47	18°26	5°45	11°40	24°17	9°R41	8°43	29°12	n.a.	S 10
M11	12 59 45	16°27'28	18°44	7°24	26°12	17°57	17°46	18°31	5°48	11°42	24°16	9°41	8°40	29°18	n.a.	M11
T 12	13 3 41	17°25'14	1♍19	8°40	25°55	18°31	17°46	18°36	5°50	11°43	24°14	9°39	8°36	29°25	n.a.	T 12
W13	13 7 38	18°22'58	14°16	9°53	25°40	19° 5	17°45	18°41	5°53	11°45	24°12	9°34	8°33	29°32	n.a.	W13
T 14	13 11 35	19°20'40	27°37	11° 1	25°27	19°39	17°44	18°46	5°56	11°46	24°11	9°27	8°30	29°38	n.a.	T 14
F 15	13 15 31	20°18'20	11♎21	12° 5	25°17	20°14	17°43	18°51	5°58	11°48	24° 9	9°18	8°27	29°45	n.a.	F 15
S 16	13 19 28	21°15'59	25°26	13° 5	25° 9	20°48	17°42	18°57	6° 1	11°49	24° 8	9° 8	8°24	29°52	n.a.	S 16
S 17	13 23 24	22°13'37	9♏47	14° 0	25° 3	21°22	17°41	19° 2	6° 4	11°51	24° 6	8°57	8°21	29°58	n.a.	S 17
M18	13 27 21	23°11'13	24°17	14°51	25° 0	21°57	17°39	19° 8	6° 7	11°52	24° 4	8°47	8°17	0♋ 5	n.a.	M18
T 19	13 31 17	24° 8'48	8♐50	15°38	25°D 0	22°31	17°38	19°13	6°10	11°54	24° 2	8°39	8°14	0°12	n.a.	T 19
W20	13 35 14	25° 6'23	23°20	16°21	25° 1	23° 6	17°36	19°19	6°13	11°56	24° 1	8°34	8°11	0°19	n.a.	W20
T 21	13 39 10	26° 3'56	7♑42	16°59	25° 5	23°41	17°34	19°24	6°15	11°57	23°59	8°31	8° 8	0°25	n.a.	T 21
F 22	13 43 7	27° 1'28	21°54	17°32	25°12	24°15	17°31	19°30	6°18	11°59	23°57	8°30	8° 5	0°32	n.a.	F 22
S 23	13 47 4	27°58'59	5♒53	18° 0	25°20	24°50	17°29	19°36	6°21	12° 1	23°56	8°30	8° 1	0°39	n.a.	S 23
S 24	13 51 0	28°56'29	19°40	18°24	25°31	25°25	17°26	19°42	6°24	12° 2	23°54	8°29	7°58	0°45	n.a.	S 24
M25	13 54 57	29°53'59	3♓15	18°43	25°44	25°59	17°23	19°47	6°27	12° 4	23°53	8°28	7°55	0°52	n.a.	M25
T 26	13 58 53	0♉51'27	16°39	18°58	25°58	26°34	17°20	19°53	6°30	12° 6	23°51	8°23	7°52	0°59	n.a.	T 26
W27	14 2 50	1°48'54	29°52	19° 8	26°15	27° 9	17°17	19°59	6°34	12° 8	23°49	8°16	7°49	1° 5	n.a.	W27
T 28	14 6 46	2°46'21	12♈54	19°13	26°34	27°44	17°14	20° 6	6°37	12° 9	23°48	8° 7	7°46	1°12	n.a.	T 28
F 29	14 10 43	3°43'46	25°44	19°R13	26°54	28°19	17°10	20°12	6°40	12°11	23°46	7°55	7°42	1°19	n.a.	F 29
S 30	14 14 39	4♉41'10	8♉21	19♉ 9	27♓16	28♊54	17♐ 6	20♊18	6♊43	12♊13	23♎44	7♌41	7♌39	1♋25	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n44	2n24	4s40	9n46	1n30	6n 5	6n13	24n10	1n39	22s51	0n17	22n43	0s26	21n31	0n 4	21n21	1s 5	4n19	14n59	17n50	18n10	20n20		n.a.
S 2	3 7	6 51	5 0	10 37	1 39	5 41	6 2	24 15	1 39	22 51	0 17	22 43	0 26	21 32	0 4	21 21	1 5	4 20	14 59	17 53	18 11	20 21		n.a.
S 3	3 30	10 54	5 4	11 26	1 48	5 16	5 50	24 19	1 39	22 52	0 17	22 44	0 26	21 32	0 4	21 21	1 5	4 20	14 59	17 56	18 12	20 21		n.a.
M 4	3 53	14 25	4 55	12 13	1 56	4 51	5 38	24 23	1 38	22 52	0 17	22 44	0 26	21 32	0 4	21 21	1 5	4 21	14 59	17 58	18 13	20 22		n.a.
T 5	4 16	17 15	4 32	12 58	2 4	4 27	5 25	24 26	1 38	22 52	0 17	22 45	0 26	21 33	0 4	21 22	1 5	4 21	14 59	18 0	18 13	20 23		n.a.
W 6	4 39	19 18	3 57	13 40	2 11	4 3	5 12	24 30	1 38	22 52	0 17	22 45	0 26	21 33	0 4	21 22	1 5	4 22	14 59	18 1	18 14	20 24		n.a.
T 7	5 2	20 31	3 13	14 20	2 17	3 40	4 59	24 34	1 38	22 52	0 17	22 46	0 26	21 34	0 4	21 22	1 5	4 23	14 59	18 2	18 15	20 24		n.a.
F 8	5 25	20 48	2 20	14 57	2 23	3 17	4 46	24 37	1 37	22 52	0 17	22 46	0 26	21 34	0 4	21 22	1 5	4 23	14 59	18 2	18 16	20 25		n.a.
S 9	5 48	20 10	1 21	15 32	2 28	2 54	4 32	24 40	1 37	22 53	0 17	22 47	0 25	21 35	0 4	21 22	1 5	4 24	14 59	18 2	18 17	20 26		n.a.
S 10	6 10	18 36	0 17	16 5	2 31	2 33	4 18	24 43	1 37	22 53	0 17	22 48	0 25	21 35	0 4	21 23	1 5	4 25	14 59	18 2	18 18	20 26		n.a.
M11	6 33	16 9	0n48	16 34	2 35	2 12	4 4	24 46	1 37	22 53	0 17	22 48	0 25	21 36	0 4	21 23	1 5	4 25	14 59	18 2	18 19	20 27		n.a.
T 12	6 55	12 53	1 53	17 2	2 37	1 52	3 50	24 49	1 36	22 53	0 16	22 49	0 25	21 36	0 4	21 23	1 5	4 26	14 59	18 3	18 19	20 28		n.a.
W13	7 17	8 55	2 53	17 27	2 38	1 33	3 36	24 52	1 36	22 53	0 16	22 49	0 25	21 37	0 4	21 23	1 5	4 26	14 59	18 4	18 20	20 29		n.a.
T 14	7 39	4 24	3 46	17 49	2 39	1 16	3 22	24 54	1 36	22 53	0 16	22 50	0 25	21 37	0 4	21 24	1 5	4 27	14 59	18 6	18 21	20 29		n.a.
F 15	8 2	0s27	4 27	18 9	2 38	0 59	3 9	24 57	1 36	22 53	0 16	22 50	0 25	21 38	0 4	21 24	1 5	4 27	14 59	18 8	18 22	20 30		n.a.
S 16	8 23	5 24	4 53	18 26	2 37	0 43	2 55	24 59	1 35	22 53	0 16	22 51	0 24	21 38	0 4	21 24	1 5	4 28	14 59	18 11	18 23	20 31		n.a.
S 17	8 45	10 9	5 2	18 41	2 35	0 29	2 41	25 1	1 35	22 53	0 16	22 52	0 24	21 39	0 4	21 24	1 5	4 29	14 59	18 14	18 24	20 31		n.a.
M18	9 7	14 22	4 51	18 54	2 31	0 15	2 28	25 3	1 35	22 53	0 16	22 52	0 24	21 39	0 4	21 25	1 5	4 29	14 59	18 17	18 24	20 32		n.a.
T 19	9 28	17 44	4 21	19 4	2 27	0 3	2 15	25 5	1 34	22 53	0 16	22 53	0 24	21 40	0 4	21 25	1 5	4 30	14 59	18 19	18 25	20 33		n.a.
W20	9 50	19 58	3 35	19 11	2 22	0s 8	2 2	25 6	1 34	22 52	0 16	22 53	0 24	21 40	0 4	21 25	1 5	4 30	14 59	18 20	18 26	20 33		n.a.
T 21	10 11	20 55	2 35	19 16	2 16	0 18	1 50	25 8	1 34	22 52	0 16	22 54	0 24	21 41	0 4	21 25	1 5	4 31	14 59	18 21	18 27	20 34		n.a.
F 22	10 32	20 29	1 27	19 19	2 9	0 27	1 37	25 9	1 34	22 52	0 16	22 54	0 24	21 41	0 4	21 26	1 5	4 31	14 59	18 21	18 28	20 35		n.a.
S 23	10 53	18 48	0 14	19 19	2 0	0 34	1 25	25 10	1 33	22 52	0 15	22 55	0 24	21 42	0 4	21 26	1 5	4 32	14 59	18 21	18 29	20 35		n.a.
S 24	11 14	16 1	0s59	19 17	1 51	0 41	1 13	25 12	1 33	22 52	0 15	22 56	0 23	21 42	0 4	21 26	1 5	4 32	14 59	18 21	18 29	20 36		n.a.
M25	11 34	12 24	2 7	19 13	1 41	0 46	1 2	25 12	1 33	22 52	0 15	22 56	0 23	21 43	0 4	21 26	1 4	4 33	14 58	18 22	18 30	20 37		n.a.
T 26	11 54	8 12	3 7	19 6	1 30	0 51	0 51	25 13	1 32	22 52	0 15	22 57	0 23	21 43	0 4	21 27	1 4	4 33	14 58	18 23	18 31	20 37		n.a.
W27	12 15	3 39	3 56	18 58	1 18	0 54	0 40	25 14	1 32	22 51	0 15	22 57	0 23	21 44	0 4	21 27	1 4	4 34	14 58	18 25	18 32	20 38		n.a.
T 28	12 35	0n59	4 32	18 47	1 5	0 56	0 29	25 14	1 32	22 51	0 15	22 58	0 23	21 44	0 4	21 27	1 4	4 34	14 58	18 27	18 33	20 39		n.a.
F 29	12 54	5 30	4 53	18 34	0 51	0 57	0 19	25 14	1 32	22 51	0 15	22 59	0 23	21 45	0 4	21 27	1 4	4 35	14 58	18 30	18 34	20 39		n.a.
S 30	13n14	9n43	5s 0	18n19	0n37	0s58	0n 9	25n14	1n31	22s51	0n15	22n59	0s23	21n45	0n 4	21n28	1s 4	4n35	14n58	18n34	18n34	20n40		n.a.

Julian Day Number = 1635679.5, Delta T = 03h39m19s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'38, Lahiri = - 7°11'38 Julian Calendar 1 Apr. 235 BCE == Greg. Calendar 28 March 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

MAY 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 18 36	5♉38'34	20♉47	19°R 1	27♓40	29♊29	17°R 2	20♊24	6♊46	12♊15	23°R43	7°R28	7♌36	1♋32	n.a.	S 1
M 2	14 22 33	6°35'56	3♊ 0	18♉48	28° 5	0♋ 5	16♐58	20°30	6°49	12°17	23♎41	7♌16	7°33	1°39	n.a.	M 2
T 3	14 26 29	7°33'17	15° 2	18°31	28°33	0°40	16°54	20°37	6°53	12°19	23°39	7° 6	7°30	1°45	n.a.	T 3
W 4	14 30 26	8°30'38	26°57	18°11	29° 1	1°15	16°50	20°43	6°56	12°21	23°38	6°59	7°27	1°52	n.a.	W 4
T 5	14 34 22	9°27'57	8♋46	17°48	29°31	1°50	16°45	20°50	6°59	12°23	23°36	6°54	7°23	1°59	n.a.	T 5
F 6	14 38 19	10°25'15	20°34	17°21	0♈ 3	2°26	16°41	20°56	7° 2	12°24	23°35	6°52	7°20	2° 5	n.a.	F 6
S 7	14 42 15	11°22'32	2♌26	16°52	0°35	3° 1	16°36	21° 3	7° 6	12°26	23°33	6°51	7°17	2°12	n.a.	S 7
S 8	14 46 12	12°19'48	14°27	16°21	1°10	3°37	16°31	21°10	7° 9	12°28	23°32	6°51	7°14	2°19	n.a.	S 8
M 9	14 50 8	13°17'03	26°43	15°49	1°45	4°12	16°25	21°16	7°12	12°30	23°30	6°51	7°11	2°25	n.a.	M 9
T 10	14 54 5	14°14'16	9♍18	15°15	2°22	4°48	16°20	21°23	7°16	12°32	23°28	6°49	7° 7	2°32	n.a.	T 10
W11	14 58 2	15°11'29	22°18	14°42	2°59	5°23	16°15	21°30	7°19	12°34	23°27	6°45	7° 4	2°39	n.a.	W11
T 12	15 1 58	16° 8'41	5♎44	14° 8	3°38	5°59	16° 9	21°37	7°23	12°36	23°25	6°38	7° 1	2°45	n.a.	T 12
F 13	15 5 55	17° 5'52	19°39	13°36	4°18	6°34	16° 3	21°43	7°26	12°38	23°24	6°29	6°58	2°52	n.a.	F 13
S 14	15 9 51	18° 3'02	3♏58	13° 4	4°59	7°10	15°58	21°50	7°29	12°41	23°22	6°19	6°55	2°59	n.a.	S 14
S 15	15 13 48	19° 0'12	18°38	12°35	5°41	7°46	15°52	21°57	7°33	12°43	23°21	6° 8	6°52	3° 5	n.a.	S 15
M16	15 17 44	19°57'21	3♐31	12° 8	6°24	8°22	15°45	22° 4	7°36	12°45	23°19	5°58	6°48	3°12	n.a.	M16
T 17	15 21 41	20°54'30	18°28	11°44	7° 8	8°57	15°39	22°11	7°40	12°47	23°18	5°50	6°45	3°19	n.a.	T 17
W18	15 25 37	21°51'38	3♑20	11°23	7°53	9°33	15°33	22°18	7°43	12°49	23°17	5°44	6°42	3°25	n.a.	W18
T 19	15 29 34	22°48'46	18° 0	11° 6	8°39	10° 9	15°26	22°25	7°47	12°51	23°15	5°41	6°39	3°32	n.a.	T 19
F 20	15 33 31	23°45'54	2♒23	10°52	9°25	10°45	15°20	22°33	7°50	12°53	23°14	5°D40	6°36	3°39	n.a.	F 20
S 21	15 37 27	24°43'02	16°27	10°43	10°12	11°21	15°13	22°40	7°54	12°55	23°13	5°40	6°33	3°45	n.a.	S 21
S 22	15 41 24	25°40'10	0♓12	10°39	11° 0	11°57	15° 6	22°47	7°57	12°57	23°11	5°R40	6°29	3°52	n.a.	S 22
M23	15 45 20	26°37'18	13°40	10°D38	11°49	12°33	15° 0	22°54	8° 1	13° 0	23°10	5°39	6°26	3°59	n.a.	M23
T 24	15 49 17	27°34'26	26°51	10°43	12°39	13° 9	14°53	23° 2	8° 4	13° 2	23° 9	5°36	6°23	4° 5	n.a.	T 24
W25	15 53 13	28°31'33	9♈47	10°52	13°29	13°45	14°46	23° 9	8° 8	13° 4	23° 7	5°30	6°20	4°12	n.a.	W25
T 26	15 57 10	29°28'41	22°31	11° 6	14°20	14°22	14°38	23°16	8°12	13° 6	23° 6	5°22	6°17	4°19	n.a.	T 26
F 27	16 1 6	0♊25'49	5♉ 3	11°24	15°11	14°58	14°31	23°24	8°15	13° 8	23° 5	5°12	6°13	4°25	n.a.	F 27
S 28	16 5 3	1°22'57	17°24	11°48	16° 3	15°34	14°24	23°31	8°19	13°10	23° 4	5° 0	6°10	4°32	n.a.	S 28
S 29	16 9 0	2°20'04	29°36	12°16	16°56	16°10	14°17	23°38	8°22	13°13	23° 2	4°49	6° 7	4°39	n.a.	S 29
M30	16 12 56	3°17'12	11♊39	12°49	17°49	16°47	14° 9	23°46	8°26	13°15	23° 1	4°38	6° 4	4°45	n.a.	M30
T 31	16 16 53	4♊14'20	23♊35	13♉26	18♈43	17♋23	14♐ 2	23♊53	8♊30	13♊17	23♎ 0	4♌30	6♌ 1	4♋52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	13n33	13n28	4s52	18n 2	0n22	0s57	0s 1	25n14	1n31	22s50	0n15	23n 0	0s23	21n46	0n 4	21n28	1s 4	4n35	14n58	18n37	18n35	20n41			n.a.
M 2	13 53	16 34	4 31	17 43	0 6	0 55	0 10	25 14	1 31	22 50	0 14	23 0	0 22	21 46	0 4	21 28	1 4	4 36	14 57	18 40	18 36	20 41			n.a.
T 3	14 12	18 56	3 58	17 23	0s10	0 53	0 19	25 14	1 30	22 50	0 14	23 1	0 22	21 47	0 4	21 29	1 4	4 36	14 57	18 43	18 37	20 42			n.a.
W 4	14 30	20 27	3 14	17 1	0 27	0 49	0 28	25 13	1 30	22 50	0 14	23 1	0 22	21 48	0 4	21 29	1 4	4 37	14 57	18 45	18 38	20 43			n.a.
T 5	14 49	21 3	2 23	16 38	0 44	0 45	0 36	25 12	1 30	22 49	0 14	23 2	0 22	21 48	0 4	21 29	1 4	4 37	14 57	18 46	18 38	20 43			n.a.
F 6	15 7	20 43	1 25	16 14	1 1	0 40	0 44	25 11	1 30	22 49	0 14	23 3	0 22	21 49	0 4	21 29	1 4	4 37	14 57	18 47	18 39	20 44			n.a.
S 7	15 25	19 28	0 23	15 49	1 18	0 34	0 52	25 10	1 29	22 48	0 14	23 3	0 22	21 49	0 4	21 30	1 4	4 38	14 56	18 47	18 40	20 44			n.a.
S 8	15 43	17 20	0n40	15 24	1 35	0 27	1 0	25 9	1 29	22 48	0 14	23 4	0 22	21 50	0 4	21 30	1 4	4 38	14 56	18 47	18 41	20 45			n.a.
M 9	16 1	14 22	1 43	14 59	1 52	0 19	1 7	25 8	1 29	22 48	0 14	23 4	0 22	21 50	0 4	21 30	1 4	4 38	14 56	18 47	18 42	20 46			n.a.
T 10	16 18	10 41	2 43	14 34	2 8	0 11	1 14	25 6	1 28	22 47	0 13	23 5	0 22	21 51	0 4	21 31	1 4	4 39	14 56	18 47	18 43	20 46			n.a.
W11	16 35	6 23	3 36	14 9	2 23	0 2	1 21	25 5	1 28	22 47	0 13	23 5	0 21	21 52	0 4	21 31	1 4	4 39	14 55	18 48	18 43	20 47			n.a.
T 12	16 52	1 39	4 19	13 45	2 38	0n 8	1 27	25 3	1 28	22 46	0 13	23 6	0 21	21 52	0 4	21 31	1 4	4 39	14 55	18 50	18 44	20 47			n.a.
F 13	17 8	3s19	4 49	13 22	2 52	0 18	1 34	25 1	1 27	22 46	0 13	23 6	0 21	21 53	0 4	21 31	1 4	4 40	14 55	18 52	18 45	20 48			n.a.
S 14	17 25	8 16	5 1	13 1	3 5	0 29	1 39	24 58	1 27	22 45	0 13	23 7	0 21	21 53	0 4	21 32	1 4	4 40	14 55	18 55	18 46	20 49			n.a.
S 15	17 41	12 52	4 54	12 40	3 17	0 41	1 45	24 56	1 27	22 45	0 13	23 8	0 21	21 54	0 4	21 32	1 4	4 40	14 54	18 58	18 47	20 49			n.a.
M16	17 56	16 44	4 28	12 22	3 27	0 53	1 51	24 54	1 26	22 44	0 13	23 8	0 21	21 54	0 4	21 32	1 4	4 40	14 54	19 0	18 47	20 50			n.a.
T 17	18 12	19 31	3 43	12 6	3 37	1 6	1 56	24 51	1 26	22 44	0 13	23 9	0 21	21 55	0 4	21 33	1 4	4 41	14 54	19 2	18 48	20 50			n.a.
W18	18 27	20 58	2 43	11 52	3 45	1 19	2 1	24 48	1 26	22 43	0 12	23 9	0 21	21 56	0 4	21 33	1 4	4 41	14 53	19 4	18 49	20 51			n.a.
T 19	18 42	20 58	1 32	11 40	3 52	1 33	2 6	24 45	1 25	22 43	0 12	23 10	0 21	21 56	0 4	21 33	1 4	4 41	14 53	19 4	18 50	20 52			n.a.
F 20	18 56	19 35	0 17	11 31	3 57	1 47	2 10	24 42	1 25	22 42	0 12	23 10	0 20	21 57	0 4	21 33	1 4	4 41	14 53	19 5	18 51	20 52			n.a.
S 21	19 10	17 0	0s57	11 24	4 1	2 2	2 14	24 38	1 25	22 42	0 12	23 11	0 20	21 57	0 4	21 34	1 4	4 41	14 52	19 5	18 51	20 53			n.a.
S 22	19 24	13 30	2 7	11 20	4 4	2 17	2 18	24 35	1 24	22 41	0 12	23 11	0 20	21 58	0 4	21 34	1 4	4 42	14 52	19 5	18 52	20 53			n.a.
M23	19 38	9 23	3 7	11 18	4 6	2 33	2 22	24 31	1 24	22 40	0 12	23 12	0 20	21 59	0 4	21 34	1 4	4 42	14 52	19 5	18 53	20 54			n.a.
T 24	19 51	4 53	3 57	11 19	4 6	2 49	2 26	24 27	1 24	22 40	0 12	23 12	0 20	21 59	0 4	21 35	1 4	4 42	14 51	19 6	18 54	20 54			n.a.
W25	20 4	0 16	4 33	11 23	4 5	3 6	2 29	24 23	1 23	22 39	0 11	23 13	0 20	22 0	0 4	21 35	1 4	4 42	14 51	19 7	18 55	20 55			n.a.
T 26	20 17	4n18	4 56	11 29	4 3	3 23	2 32	24 19	1 23	22 38	0 11	23 13	0 20	22 0	0 4	21 35	1 4	4 42	14 51	19 9	18 55	20 55			n.a.
F 27	20 29	8 36	5 3	11 37	4 1	3 40	2 36	24 15	1 23	22 38	0 11	23 14	0 20	22 1	0 4	21 35	1 4	4 42	14 50	19 12	18 56	20 56			n.a.
S 28	20 41	12 29	4 56	11 48	3 57	3 57	2 38	24 10	1 22	22 37	0 11	23 14	0 20	22 1	0 4	21 36	1 4	4 42	14 50	19 14	18 57	20 56			n.a.
S 29	20 52	15 49	4 36	12 1	3 52	4 15	2 41	24 5	1 22	22 36	0 11	23 15	0 20	22 2	0 4	21 36	1 4	4 42	14 50	19 17	18 58	20 57			n.a.
M30	21 4	18 26	4 3	12 17	3 46	4 34	2 43	24 0	1 22	22 35	0 11	23 15	0 19	22 3	0 4	21 36	1 4	4 42	14 49	19 20	18 59	20 57			n.a.
T 31	21n15	20n14	3s20	12n34	3s39	4n52	2s46	23n55	1n21	22s35	0n11	23n15	0s19	22n 3	0n 4	21n37	1s 4	4n42	14n49	19n22	18n59	20n58			n.a.

Julian Day Number = 1635709.5, Delta T = 03h39m18s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'34, Lahiri = - 7°11'34 Julian Calendar 1 May 235 BCE == Greg. Calendar 27 Apr. 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

JUNE 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 20 49	5♊11'27	5♋25	14♉ 8	19♈38	18♋ 0	13°R54	24♊ 1	8♊33	13♊19	22°R59	4°R23	5♌58	4♋59	n.a.	W 1
T 2	16 24 46	6° 8'34	17°12	14°55	20°32	18°36	13♐47	24° 8	8°37	13°21	22♎58	4♌20	5°54	5° 5	n.a.	T 2
F 3	16 28 42	7° 5'42	29° 0	15°46	21°28	19°13	13°39	24°16	8°40	13°24	22°57	4°D18	5°51	5°12	n.a.	F 3
S 4	16 32 39	8° 2'49	10♌51	16°42	22°24	19°49	13°32	24°24	8°44	13°26	22°56	4°18	5°48	5°19	n.a.	S 4
S 5	16 36 36	8°59'56	22°52	17°41	23°20	20°26	13°24	24°31	8°48	13°28	22°55	4°19	5°45	5°25	n.a.	S 5
M 6	16 40 32	9°57'03	5♍ 6	18°46	24°16	21° 2	13°16	24°39	8°51	13°30	22°54	4°R20	5°42	5°32	n.a.	M 6
T 7	16 44 29	10°54'09	17°40	19°54	25°14	21°39	13° 9	24°46	8°55	13°33	22°53	4°20	5°38	5°39	n.a.	T 7
W 8	16 48 25	11°51'16	0♎37	21° 7	26°11	22°16	13° 1	24°54	8°58	13°35	22°52	4°18	5°35	5°45	n.a.	W 8
T 9	16 52 22	12°48'23	14° 1	22°24	27° 9	22°53	12°53	25° 2	9° 2	13°37	22°51	4°14	5°32	5°52	n.a.	T 9
F 10	16 56 18	13°45'29	27°54	23°45	28° 7	23°29	12°45	25° 9	9° 6	13°39	22°50	4° 9	5°29	5°59	n.a.	F 10
S 11	17 0 15	14°42'36	12♏16	25°10	29° 6	24° 6	12°38	25°17	9° 9	13°41	22°49	4° 2	5°26	6° 5	n.a.	S 11
S 12	17 4 11	15°39'43	27° 2	26°39	0♉ 5	24°43	12°30	25°25	9°13	13°44	22°48	3°55	5°23	6°12	n.a.	S 12
M13	17 8 8	16°36'51	12♐ 5	28°11	1° 5	25°20	12°22	25°33	9°16	13°46	22°47	3°48	5°19	6°19	n.a.	M13
T 14	17 12 5	17°33'59	27°16	29°48	2° 4	25°57	12°15	25°40	9°20	13°48	22°47	3°42	5°16	6°25	n.a.	T 14
W15	17 16 1	18°31'07	12♑25	1♊28	3° 5	26°34	12° 7	25°48	9°23	13°50	22°46	3°39	5°13	6°32	n.a.	W15
T 16	17 19 58	19°28'16	27°23	3°12	4° 5	27°11	11°59	25°56	9°27	13°53	22°45	3°D37	5°10	6°39	n.a.	T 16
F 17	17 23 54	20°25'25	12♒ 2	4°59	5° 6	27°48	11°52	26° 4	9°31	13°55	22°45	3°37	5° 7	6°45	n.a.	F 17
S 18	17 27 51	21°22'36	26°18	6°49	6° 7	28°25	11°44	26°11	9°34	13°57	22°44	3°38	5° 4	6°52	n.a.	S 18
S 19	17 31 47	22°19'47	10♓11	8°42	7° 8	29° 2	11°37	26°19	9°38	13°59	22°43	3°40	5° 0	6°59	n.a.	S 19
M20	17 35 44	23°16'59	23°40	10°38	8°10	29°39	11°29	26°27	9°41	14° 2	22°43	3°R40	4°57	7° 5	n.a.	M20
T 21	17 39 40	24°14'12	6♈47	12°36	9°12	0♌17	11°22	26°35	9°45	14° 4	22°42	3°39	4°54	7°12	n.a.	T 21
W22	17 43 37	25°11'26	19°36	14°36	10°14	0°54	11°15	26°43	9°48	14° 6	22°42	3°37	4°51	7°19	n.a.	W22
T 23	17 47 34	26° 8'41	2♉ 9	16°39	11°17	1°31	11° 8	26°50	9°52	14° 8	22°41	3°33	4°48	7°25	n.a.	T 23
F 24	17 51 30	27° 5'57	14°29	18°42	12°20	2° 9	11° 0	26°58	9°55	14°10	22°41	3°27	4°44	7°32	n.a.	F 24
S 25	17 55 27	28° 3'14	26°38	20°47	13°23	2°46	10°53	27° 6	9°59	14°12	22°40	3°21	4°41	7°39	n.a.	S 25
S 26	17 59 23	29° 0'32	8♊39	22°53	14°26	3°23	10°46	27°14	10° 2	14°15	22°40	3°15	4°38	7°45	n.a.	S 26
M27	18 3 20	29°57'51	20°33	24°59	15°30	4° 1	10°39	27°21	10° 6	14°17	22°39	3°10	4°35	7°52	n.a.	M27
T 28	18 7 16	0♋55'11	2♋23	27° 5	16°34	4°38	10°32	27°29	10° 9	14°19	22°39	3° 5	4°32	7°59	n.a.	T 28
W29	18 11 13	1°52'31	14°11	29°12	17°38	5°16	10°26	27°37	10°13	14°21	22°39	3° 2	4°29	8° 5	n.a.	W29
T 30	18 15 9	2♋49'53	25♋59	1♌18	18♉42	5♌54	10♐19	27♊45	10♊16	14♊23	22♎38	3♌ 0	4♌25	8♋12	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n25	21n 8	2s28	12n54	3s32	5n11	2s48	23n50	1n21	22s34	0n10	23n16	0s19	22n 4	0n 4	21n37	1s 4	4n43	14n48	19n23	19n 0	20n59		n.a.
T 2	21 35	21 6	1 30	13 15	3 24	5 30	2 50	23 45	1 21	22 33	0 10	23 16	0 19	22 4	0 4	21 37	1 4	4 43	14 48	19 24	19 1	20 59		n.a.
F 3	21 45	20 8	0 28	13 39	3 15	5 49	2 51	23 39	1 20	22 32	0 10	23 17	0 19	22 5	0 4	21 38	1 4	4 43	14 48	19 25	19 2	21 0		n.a.
S 4	21 55	18 17	0n35	14 4	3 5	6 9	2 53	23 34	1 20	22 32	0 10	23 17	0 19	22 6	0 4	21 38	1 4	4 43	14 47	19 25	19 3	21 0		n.a.
S 5	22 4	15 36	1 38	14 30	2 55	6 28	2 54	23 28	1 20	22 31	0 10	23 18	0 19	22 6	0 5	21 38	1 4	4 42	14 47	19 24	19 3	21 1		n.a.
M 6	22 12	12 12	2 38	14 58	2 45	6 48	2 56	23 22	1 19	22 30	0 10	23 18	0 19	22 7	0 5	21 38	1 3	4 42	14 46	19 24	19 4	21 1		n.a.
T 7	22 21	8 10	3 32	15 27	2 34	7 8	2 57	23 15	1 19	22 29	0 10	23 18	0 19	22 7	0 5	21 39	1 3	4 42	14 46	19 24	19 5	21 1		n.a.
W 8	22 29	3 40	4 16	15 58	2 23	7 28	2 58	23 9	1 19	22 28	0 9	23 19	0 19	22 8	0 5	21 39	1 3	4 42	14 45	19 25	19 6	21 2		n.a.
T 9	22 36	1s10	4 49	16 29	2 11	7 49	2 58	23 3	1 18	22 28	0 9	23 19	0 18	22 8	0 5	21 39	1 3	4 42	14 45	19 26	19 7	21 2		n.a.
F 10	22 43	6 6	5 6	17 1	1 59	8 9	2 59	22 56	1 18	22 27	0 9	23 20	0 18	22 9	0 5	21 40	1 3	4 42	14 44	19 27	19 7	21 3		n.a.
S 11	22 50	10 52	5 5	17 34	1 46	8 29	2 59	22 49	1 18	22 26	0 9	23 20	0 18	22 10	0 5	21 40	1 3	4 42	14 44	19 29	19 8	21 3		n.a.
S 12	22 56	15 8	4 43	18 7	1 34	8 50	3 0	22 42	1 17	22 25	0 9	23 20	0 18	22 10	0 5	21 40	1 3	4 42	14 43	19 30	19 9	21 4		n.a.
M13	23 2	18 30	4 2	18 40	1 21	9 11	3 0	22 35	1 17	22 24	0 9	23 21	0 18	22 11	0 5	21 40	1 3	4 42	14 43	19 32	19 10	21 4		n.a.
T 14	23 8	20 38	3 4	19 14	1 9	9 31	3 0	22 28	1 17	22 23	0 8	23 21	0 18	22 11	0 5	21 41	1 3	4 42	14 43	19 33	19 10	21 5		n.a.
W15	23 13	21 16	1 52	19 47	0 56	9 52	3 0	22 20	1 16	22 22	0 8	23 21	0 18	22 12	0 5	21 41	1 3	4 41	14 42	19 34	19 11	21 5		n.a.
T 16	23 18	20 23	0 34	20 20	0 43	10 13	3 0	22 12	1 16	22 22	0 8	23 22	0 18	22 12	0 5	21 41	1 3	4 41	14 42	19 34	19 12	21 6		n.a.
F 17	23 22	18 7	0s46	20 53	0 31	10 34	2 59	22 5	1 15	22 21	0 8	23 22	0 18	22 13	0 5	21 41	1 3	4 41	14 41	19 34	19 13	21 6		n.a.
S 18	23 26	14 46	2 0	21 24	0 18	10 54	2 59	21 57	1 15	22 20	0 8	23 22	0 18	22 13	0 5	21 42	1 3	4 41	14 41	19 34	19 14	21 7		n.a.
S 19	23 30	10 42	3 5	21 55	0 6	11 15	2 58	21 49	1 15	22 19	0 8	23 23	0 18	22 14	0 5	21 42	1 3	4 40	14 40	19 34	19 14	21 7		n.a.
M20	23 33	6 11	3 59	22 24	0n 5	11 36	2 57	21 40	1 14	22 18	0 8	23 23	0 17	22 15	0 5	21 42	1 3	4 40	14 40	19 34	19 15	21 7		n.a.
T 21	23 36	1 31	4 38	22 51	0 17	11 57	2 57	21 32	1 14	22 17	0 7	23 23	0 17	22 15	0 5	21 43	1 3	4 40	14 39	19 34	19 16	21 8		n.a.
W22	23 38	3n 6	5 2	23 17	0 27	12 17	2 56	21 23	1 14	22 16	0 7	23 24	0 17	22 16	0 5	21 43	1 3	4 40	14 39	19 34	19 17	21 8		n.a.
T 23	23 40	7 30	5 11	23 40	0 38	12 38	2 55	21 15	1 13	22 16	0 7	23 24	0 17	22 16	0 5	21 43	1 3	4 39	14 38	19 35	19 17	21 9		n.a.
F 24	23 41	11 31	5 5	24 1	0 47	12 58	2 53	21 6	1 13	22 15	0 7	23 24	0 17	22 17	0 5	21 43	1 3	4 39	14 38	19 37	19 18	21 9		n.a.
S 25	23 42	15 0	4 46	24 20	0 56	13 18	2 52	20 57	1 12	22 14	0 7	23 24	0 17	22 17	0 5	21 44	1 3	4 39	14 37	19 38	19 19	21 9		n.a.
S 26	23 43	17 49	4 14	24 36	1 5	13 39	2 51	20 48	1 12	22 13	0 7	23 25	0 17	22 18	0 5	21 44	1 3	4 38	14 36	19 40	19 20	21 10		n.a.
M27	23 43	19 52	3 31	24 50	1 12	13 59	2 49	20 38	1 12	22 12	0 6	23 25	0 17	22 18	0 5	21 44	1 3	4 38	14 36	19 41	19 21	21 10		n.a.
T 28	23 43	21 2	2 40	25 1	1 19	14 18	2 48	20 29	1 11	22 11	0 6	23 25	0 17	22 19	0 5	21 44	1 3	4 38	14 35	19 42	19 21	21 11		n.a.
W29	23 43	21 17	1 41	25 9	1 26	14 38	2 46	20 19	1 11	22 11	0 6	23 25	0 17	22 19	0 5	21 45	1 3	4 37	14 35	19 43	19 22	21 11		n.a.
T 30	23n41	20n34	0s38	25n14	1n31	14n58	2s44	20n10	1n11	22s10	0n 6	23n26	0s17	22n20	0n 5	21n45	1s 3	4n37	14n34	19n43	19n23	21n11		n.a.

Julian Day Number = 1635740.5, Delta T = 03h39m17s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'30, Lahiri = - 7°11'30 Julian Calendar 1 June 235 BCE == Greg. Calendar 28 May 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

JULY 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 19 6	3♋47'15	7♌49	3♋24	19♉46	6♌31	10°R13	27♊53	10♊19	14♊25	22°R38	3°D 0	4♌22	8♋19	n.a.	F 1
S 2	18 23 3	4°44'39	19°44	5°28	20°51	7° 9	10♐ 6	28° 0	10°23	14°28	22♎38	3♌ 1	4°19	8°25	n.a.	S 2
S 3	18 26 59	5°42'03	1♍48	7°32	21°56	7°47	10° 0	28° 8	10°26	14°30	22°38	3° 3	4°16	8°32	n.a.	S 3
M 4	18 30 56	6°39'27	14° 5	9°35	23° 1	8°24	9°54	28°16	10°29	14°32	22°38	3° 4	4°13	8°39	n.a.	M 4
T 5	18 34 52	7°36'53	26°38	11°37	24° 6	9° 2	9°48	28°24	10°33	14°34	22°38	3° 6	4°10	8°45	n.a.	T 5
W 6	18 38 49	8°34'20	9♎33	13°38	25°12	9°40	9°42	28°31	10°36	14°36	22°38	3°R 6	4° 6	8°52	n.a.	W 6
T 7	18 42 45	9°31'47	22°51	15°37	26°17	10°18	9°36	28°39	10°39	14°38	22°37	3° 5	4° 3	8°59	n.a.	T 7
F 8	18 46 42	10°29'15	6♏37	17°35	27°23	10°56	9°30	28°47	10°42	14°40	22°D37	3° 4	4° 0	9° 5	n.a.	F 8
S 9	18 50 38	11°26'44	20°50	19°31	28°29	11°34	9°25	28°54	10°46	14°42	22°37	3° 2	3°57	9°12	n.a.	S 9
S 10	18 54 35	12°24'15	5♐28	21°26	29°35	12°12	9°20	29° 2	10°49	14°44	22°38	2°59	3°54	9°19	n.a.	S 10
M11	18 58 32	13°21'46	20°26	23°19	0♊42	12°50	9°14	29°10	10°52	14°46	22°38	2°56	3°50	9°25	n.a.	M11
T 12	19 2 28	14°19'19	5♑37	25°11	1°48	13°28	9° 9	29°17	10°55	14°48	22°38	2°54	3°47	9°32	n.a.	T 12
W13	19 6 25	15°16'52	20°50	27° 2	2°55	14° 6	9° 4	29°25	10°58	14°50	22°38	2°53	3°44	9°39	n.a.	W13
T 14	19 10 21	16°14'28	5♒56	28°51	4° 2	14°44	9° 0	29°33	11° 2	14°52	22°38	2°D53	3°41	9°45	n.a.	T 14
F 15	19 14 18	17°12'04	20°47	0♌39	5° 9	15°22	8°55	29°40	11° 5	14°54	22°38	2°53	3°38	9°52	n.a.	F 15
S 16	19 18 14	18° 9'42	5♓16	2°25	6°16	16° 1	8°50	29°48	11° 8	14°56	22°39	2°54	3°35	9°59	n.a.	S 16
S 17	19 22 11	19° 7'22	19°20	4° 9	7°24	16°39	8°46	29°55	11°11	14°58	22°39	2°56	3°31	10° 5	n.a.	S 17
M18	19 26 8	20° 5'03	2♈56	5°52	8°31	17°17	8°42	0♋ 3	11°14	15° 0	22°39	2°56	3°28	10°12	n.a.	M18
T 19	19 30 4	21° 2'47	16° 8	7°34	9°39	17°56	8°38	0°10	11°17	15° 2	22°40	2°R57	3°25	10°18	n.a.	T 19
W20	19 34 1	22° 0'31	28°57	9°14	10°47	18°34	8°34	0°18	11°20	15° 4	22°40	2°57	3°22	10°25	n.a.	W20
T 21	19 37 57	22°58'18	11♉26	10°53	11°55	19°13	8°31	0°25	11°23	15° 5	22°40	2°56	3°19	10°32	n.a.	T 21
F 22	19 41 54	23°56'07	23°40	12°31	13° 3	19°51	8°27	0°32	11°25	15° 7	22°41	2°55	3°16	10°38	n.a.	F 22
S 23	19 45 50	24°53'57	5♊42	14° 7	14°12	20°30	8°24	0°40	11°28	15° 9	22°41	2°54	3°12	10°45	n.a.	S 23
S 24	19 49 47	25°51'49	17°36	15°42	15°20	21° 8	8°21	0°47	11°31	15°11	22°42	2°53	3° 9	10°52	n.a.	S 24
M25	19 53 43	26°49'43	29°26	17°15	16°29	21°47	8°18	0°54	11°34	15°13	22°43	2°53	3° 6	10°58	n.a.	M25
T 26	19 57 40	27°47'39	11♋14	18°47	17°37	22°26	8°15	1° 2	11°37	15°14	22°43	2°52	3° 3	11° 5	n.a.	T 26
W27	20 1 37	28°45'37	23° 2	20°17	18°46	23° 4	8°13	1° 9	11°39	15°16	22°44	2°52	3° 0	11°12	n.a.	W27
T 28	20 5 33	29°43'36	4♌54	21°47	19°55	23°43	8°10	1°16	11°42	15°18	22°44	2°D52	2°56	11°18	n.a.	T 28
F 29	20 9 30	0♌41'37	16°50	23°14	21° 4	24°22	8° 8	1°23	11°45	15°20	22°45	2°52	2°53	11°25	n.a.	F 29
S 30	20 13 26	1°39'39	28°55	24°41	22°14	25° 1	8° 6	1°30	11°47	15°21	22°46	2°52	2°50	11°32	n.a.	S 30
S 31	20 17 23	2♌37'43	11♍ 8	26♌ 5	23♊23	25♌40	8♐ 4	1♋37	11♊50	15♊23	22♎47	2°R52	2♌47	11♋38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n40	18n57	0n26	25n16	1n36	15n17	2s42	20n 0	1n10	22s 9	0n 6	23n26	0s16	22n20	0n 5	21n45	1s 3	4n36	14n34	19n43	19n24	21n12		n.a.
S 2	23 38	16 30	1 31	25 16	1 40	15 36	2 40	19 50	1 10	22 8	0 6	23 26	0 16	22 21	0 5	21 45	1 3	4 36	14 33	19 43	19 24	21 12		n.a.
S 3	23 36	13 19	2 32	25 13	1 43	15 55	2 38	19 39	1 9	22 7	0 5	23 26	0 16	22 21	0 5	21 46	1 3	4 36	14 33	19 42	19 25	21 13		n.a.
M 4	23 33	9 31	3 27	25 7	1 45	16 14	2 36	19 29	1 9	22 7	0 5	23 26	0 16	22 22	0 5	21 46	1 3	4 35	14 32	19 42	19 26	21 13		n.a.
T 5	23 30	5 14	4 14	24 59	1 47	16 32	2 34	19 19	1 9	22 6	0 5	23 27	0 16	22 22	0 5	21 46	1 3	4 35	14 32	19 42	19 27	21 13		n.a.
W 6	23 26	0 36	4 49	24 48	1 48	16 50	2 32	19 8	1 8	22 5	0 5	23 27	0 16	22 23	0 5	21 46	1 3	4 34	14 31	19 42	19 27	21 14		n.a.
T 7	23 23	4s12	5 10	24 36	1 49	17 8	2 29	18 57	1 8	22 4	0 5	23 27	0 16	22 23	0 5	21 47	1 3	4 34	14 31	19 42	19 28	21 14		n.a.
F 8	23 18	8 56	5 15	24 20	1 48	17 26	2 27	18 46	1 7	22 4	0 5	23 27	0 16	22 24	0 5	21 47	1 3	4 33	14 30	19 42	19 29	21 14		n.a.
S 9	23 13	13 21	5 0	24 3	1 48	17 43	2 24	18 35	1 7	22 3	0 4	23 27	0 16	22 24	0 5	21 47	1 3	4 33	14 29	19 43	19 30	21 15		n.a.
S 10	23 8	17 6	4 26	23 44	1 46	18 0	2 22	18 24	1 7	22 2	0 4	23 27	0 16	22 25	0 5	21 47	1 3	4 32	14 29	19 43	19 30	21 15		n.a.
M11	23 3	19 49	3 34	23 24	1 44	18 16	2 19	18 13	1 6	22 2	0 4	23 28	0 16	22 25	0 5	21 47	1 3	4 32	14 28	19 44	19 31	21 15		n.a.
T 12	22 57	21 11	2 25	23 1	1 42	18 33	2 16	18 2	1 6	22 1	0 4	23 28	0 16	22 26	0 5	21 48	1 3	4 31	14 28	19 44	19 32	21 16		n.a.
W13	22 50	21 0	1 6	22 37	1 39	18 48	2 14	17 50	1 5	22 1	0 4	23 28	0 15	22 26	0 5	21 48	1 3	4 31	14 27	19 45	19 33	21 16		n.a.
T 14	22 43	19 17	0s17	22 11	1 35	19 4	2 11	17 38	1 5	22 0	0 4	23 28	0 15	22 27	0 5	21 48	1 3	4 30	14 27	19 45	19 33	21 16		n.a.
F 15	22 36	16 16	1 38	21 44	1 32	19 19	2 8	17 26	1 4	21 59	0 3	23 28	0 15	22 27	0 5	21 48	1 3	4 29	14 26	19 45	19 34	21 17		n.a.
S 16	22 28	12 19	2 50	21 16	1 27	19 34	2 5	17 15	1 4	21 59	0 3	23 28	0 15	22 27	0 5	21 49	1 3	4 29	14 26	19 44	19 35	21 17		n.a.
S 17	22 20	7 47	3 50	20 47	1 23	19 48	2 2	17 3	1 4	21 58	0 3	23 28	0 15	22 28	0 5	21 49	1 3	4 28	14 25	19 44	19 36	21 17		n.a.
M18	22 12	3 1	4 35	20 17	1 18	20 2	1 59	16 50	1 3	21 58	0 3	23 28	0 15	22 28	0 5	21 49	1 3	4 27	14 24	19 44	19 36	21 18		n.a.
T 19	22 3	1n45	5 4	19 45	1 12	20 15	1 56	16 38	1 3	21 57	0 3	23 28	0 15	22 29	0 5	21 49	1 3	4 27	14 24	19 44	19 37	21 18		n.a.
W20	21 54	6 18	5 16	19 13	1 7	20 28	1 53	16 26	1 2	21 57	0 3	23 28	0 15	22 29	0 5	21 49	1 3	4 26	14 23	19 44	19 38	21 18		n.a.
T 21	21 44	10 28	5 14	18 40	1 0	20 41	1 49	16 13	1 2	21 57	0 3	23 28	0 15	22 30	0 5	21 50	1 3	4 25	14 23	19 44	19 39	21 18		n.a.
F 22	21 34	14 7	4 57	18 7	0 54	20 53	1 46	16 0	1 2	21 56	0 2	23 29	0 15	22 30	0 5	21 50	1 4	4 25	14 22	19 44	19 39	21 19		n.a.
S 23	21 24	17 8	4 27	17 33	0 47	21 4	1 43	15 48	1 1	21 56	0 2	23 29	0 15	22 30	0 5	21 50	1 4	4 24	14 22	19 44	19 40	21 19		n.a.
S 24	21 13	19 23	3 46	16 58	0 41	21 15	1 40	15 35	1 1	21 55	0 2	23 29	0 15	22 31	0 5	21 50	1 4	4 23	14 21	19 45	19 41	21 19		n.a.
M25	21 2	20 48	2 55	16 23	0 33	21 26	1 36	15 22	1 0	21 55	0 2	23 29	0 14	22 31	0 5	21 50	1 4	4 23	14 21	19 45	19 42	21 20		n.a.
T 26	20 51	21 18	1 57	15 47	0 26	21 36	1 33	15 8	1 0	21 55	0 2	23 29	0 14	22 32	0 5	21 50	1 4	4 22	14 20	19 45	19 42	21 20		n.a.
W27	20 39	20 50	0 54	15 11	0 19	21 45	1 30	14 55	0 59	21 55	0 2	23 29	0 14	22 32	0 5	21 51	1 4	4 21	14 20	19 45	19 43	21 20		n.a.
T 28	20 27	19 27	0n11	14 35	0 11	21 54	1 26	14 42	0 59	21 54	0 1	23 29	0 14	22 32	0 5	21 51	1 4	4 20	14 19	19 45	19 44	21 20		n.a.
F 29	20 14	17 12	1 17	13 59	0 3	22 2	1 23	14 28	0 58	21 54	0 1	23 29	0 14	22 33	0 5	21 51	1 4	4 20	14 18	19 45	19 45	21 21		n.a.
S 30	20 1	14 10	2 20	13 22	0s 5	22 10	1 19	14 15	0 58	21 54	0 1	23 29	0 14	22 33	0 5	21 51	1 4	4 19	14 18	19 45	19 45	21 21		n.a.
S 31	19n48	10n30	3n17	12n45	0s14	22n17	1s16	14n 1	0n58	21s54	0n 1	23n29	0s14	22n33	0n 5	21n51	1s 4	4n18	14n17	19n45	19n46	21n21		n.a.

Julian Day Number = 1635770.5, Delta T = 03h39m16s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'26, Lahiri = - 7°11'26 Julian Calendar 1 July 235 BCE == Greg. Calendar 27 June 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

AUGUST 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 21 19	3♌35'49	23♍34	27♌29	24♊33	26♌19	8°R 3	1♋44	11♊53	15♊25	22♎47	2°R52	2♌44	11♋45	n.a.	M 1
T 2	20 25 16	4°33'56	6♎14	28°51	25°42	26°58	8♐ 1	1°51	11°55	15°26	22°48	2♌52	2°41	11°52	n.a.	T 2
W 3	20 29 12	5°32'05	19°12	0♍11	26°52	27°37	8° 0	1°58	11°58	15°28	22°49	2°51	2°37	11°58	n.a.	W 3
T 4	20 33 9	6°30'15	2♏29	1°30	28° 2	28°16	7°59	2° 5	12° 0	15°29	22°50	2°D51	2°34	12° 5	n.a.	T 4
F 5	20 37 5	7°28'27	16° 7	2°47	29°12	28°55	7°58	2°12	12° 2	15°31	22°51	2°51	2°31	12°12	n.a.	F 5
S 6	20 41 2	8°26'41	0♐ 7	4° 3	0♋22	29°34	7°58	2°19	12° 5	15°32	22°52	2°52	2°28	12°18	n.a.	S 6
S 7	20 44 59	9°24'56	14°30	5°16	1°32	0♍13	7°57	2°26	12° 7	15°34	22°53	2°52	2°25	12°25	n.a.	S 7
M 8	20 48 55	10°23'13	29°11	6°28	2°42	0°53	7°57	2°33	12° 9	15°35	22°54	2°53	2°22	12°32	n.a.	M 8
T 9	20 52 52	11°21'31	14♑ 6	7°38	3°53	1°32	7°D57	2°39	12°12	15°37	22°55	2°53	2°18	12°38	n.a.	T 9
W10	20 56 48	12°19'52	29° 7	8°46	5° 3	2°11	7°57	2°46	12°14	15°38	22°56	2°R54	2°15	12°45	n.a.	W10
T 11	21 0 45	13°18'14	14♒ 8	9°52	6°14	2°51	7°57	2°52	12°16	15°40	22°57	2°54	2°12	12°52	n.a.	T 11
F 12	21 4 41	14°16'38	28°58	10°56	7°25	3°30	7°58	2°59	12°18	15°41	22°58	2°53	2° 9	12°58	n.a.	F 12
S 13	21 8 38	15°15'04	13♓32	11°57	8°36	4°10	7°59	3° 5	12°20	15°42	23° 0	2°52	2° 6	13° 5	n.a.	S 13
S 14	21 12 34	16°13'32	27°42	12°56	9°46	4°49	7°59	3°12	12°22	15°44	23° 1	2°50	2° 2	13°12	n.a.	S 14
M15	21 16 31	17°12'02	11♈26	13°52	10°58	5°29	8° 1	3°18	12°24	15°45	23° 2	2°48	1°59	13°18	n.a.	M15
T 16	21 20 28	18°10'35	24°44	14°45	12° 9	6° 8	8° 2	3°25	12°26	15°46	23° 3	2°47	1°56	13°25	n.a.	T 16
W17	21 24 24	19° 9'10	7♉37	15°35	13°20	6°48	8° 3	3°31	12°28	15°47	23° 5	2°46	1°53	13°31	n.a.	W17
T 18	21 28 21	20° 7'47	20° 8	16°22	14°31	7°28	8° 5	3°37	12°30	15°48	23° 6	2°D45	1°50	13°38	n.a.	T 18
F 19	21 32 17	21° 6'26	2♊21	17° 5	15°43	8° 8	8° 7	3°43	12°32	15°50	23° 7	2°46	1°47	13°45	n.a.	F 19
S 20	21 36 14	22° 5'08	14°21	17°45	16°55	8°47	8° 9	3°49	12°33	15°51	23° 9	2°47	1°43	13°51	n.a.	S 20
S 21	21 40 10	23° 3'53	26°13	18°20	18° 6	9°27	8°11	3°55	12°35	15°52	23°10	2°48	1°40	13°58	n.a.	S 21
M22	21 44 7	24° 2'39	8♋ 1	18°51	19°18	10° 7	8°13	4° 1	12°37	15°53	23°12	2°50	1°37	14° 5	n.a.	M22
T 23	21 48 3	25° 1'28	19°49	19°17	20°30	10°47	8°16	4° 7	12°38	15°54	23°13	2°51	1°34	14°11	n.a.	T 23
W24	21 52 0	26° 0'19	1♌41	19°38	21°42	11°27	8°19	4°13	12°40	15°55	23°15	2°R52	1°31	14°18	n.a.	W24
T 25	21 55 57	26°59'13	13°39	19°53	22°54	12° 7	8°22	4°19	12°42	15°56	23°16	2°51	1°28	14°25	n.a.	T 25
F 26	21 59 53	27°58'08	25°47	20° 2	24° 6	12°47	8°25	4°24	12°43	15°57	23°18	2°50	1°24	14°31	n.a.	F 26
S 27	22 3 50	28°57'05	8♍ 5	20°R 5	25°18	13°28	8°28	4°30	12°44	15°58	23°19	2°47	1°21	14°38	n.a.	S 27
S 28	22 7 46	29°56'05	20°35	20° 1	26°31	14° 8	8°32	4°35	12°46	15°59	23°21	2°43	1°18	14°45	n.a.	S 28
M29	22 11 43	0♍55'07	3♎17	19°50	27°43	14°48	8°35	4°41	12°47	16° 0	23°23	2°38	1°15	14°51	n.a.	M29
T 30	22 15 39	1°54'10	16°13	19°32	28°55	15°28	8°39	4°46	12°48	16° 0	23°24	2°33	1°12	14°58	n.a.	T 30
W31	22 19 36	2♍53'16	29♎23	19♍ 6	0♌ 8	16♍ 9	8♐43	4♋52	12♊50	16♊ 1	23♎26	2♌29	1♌ 8	15♋ 5	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	19n35	6n21	4n 6	12n 9	0s22	22n24	1s13	13n47	0n57	21s54	0n 1	23n29	0s14	22n34	0n 5	21n52	1s 4	4n17	14n17	19n45	19n47	21n21			n.a.
T 2	19 21	1 50	4 44	11 32	0 31	22 30	1 9	13 33	0 57	21 54	0 1	23 29	0 14	22 34	0 5	21 52	1 4	4 17	14 16	19 45	19 48	21 22			n.a.
W 3	19 7	2s51	5 9	10 56	0 39	22 35	1 6	13 19	0 56	21 54	0 1	23 29	0 14	22 35	0 5	21 52	1 4	4 16	14 16	19 45	19 48	21 22			n.a.
T 4	18 52	7 30	5 18	10 19	0 48	22 40	1 2	13 5	0 56	21 54	0 0	23 29	0 14	22 35	0 5	21 52	1 4	4 15	14 15	19 45	19 49	21 22			n.a.
F 5	18 37	11 55	5 9	9 43	0 57	22 45	0 59	12 51	0 55	21 54	0 0	23 29	0 14	22 35	0 5	21 52	1 4	4 14	14 15	19 45	19 50	21 22			n.a.
S 6	18 22	15 49	4 43	9 7	1 6	22 48	0 55	12 37	0 55	21 54	0 0	23 29	0 14	22 36	0 5	21 52	1 4	4 13	14 14	19 45	19 51	21 23			n.a.
S 7	18 6	18 52	3 58	8 32	1 15	22 51	0 52	12 22	0 54	21 54	0 0	23 29	0 13	22 36	0 5	21 52	1 4	4 12	14 14	19 45	19 51	21 23			n.a.
M 8	17 51	20 47	2 57	7 57	1 24	22 54	0 48	12 8	0 54	21 54	0s 0	23 28	0 13	22 36	0 5	21 53	1 4	4 12	14 13	19 45	19 52	21 23			n.a.
T 9	17 35	21 16	1 43	7 22	1 33	22 55	0 45	11 53	0 54	21 54	0 0	23 28	0 13	22 36	0 5	21 53	1 4	4 11	14 13	19 45	19 53	21 23			n.a.
W10	17 18	20 14	0 21	6 48	1 42	22 56	0 41	11 39	0 53	21 54	0 0	23 28	0 13	22 37	0 5	21 53	1 4	4 10	14 12	19 45	19 53	21 23			n.a.
T 11	17 1	17 46	1s 2	6 15	1 51	22 57	0 38	11 24	0 53	21 54	0 1	23 28	0 13	22 37	0 5	21 53	1 4	4 9	14 12	19 45	19 54	21 24			n.a.
F 12	16 44	14 9	2 20	5 43	2 0	22 57	0 34	11 9	0 52	21 54	0 1	23 28	0 13	22 37	0 5	21 53	1 4	4 8	14 11	19 45	19 55	21 24			n.a.
S 13	16 27	9 43	3 27	5 11	2 9	22 56	0 31	10 54	0 52	21 55	0 1	23 28	0 13	22 38	0 5	21 53	1 4	4 7	14 11	19 45	19 56	21 24			n.a.
S 14	16 10	4 53	4 19	4 40	2 17	22 54	0 27	10 39	0 51	21 55	0 1	23 28	0 13	22 38	0 5	21 53	1 4	4 6	14 10	19 45	19 56	21 24			n.a.
M15	15 52	0n 4	4 55	4 11	2 26	22 52	0 24	10 24	0 51	21 55	0 1	23 28	0 13	22 38	0 5	21 53	1 4	4 5	14 10	19 46	19 57	21 24			n.a.
T 16	15 34	4 50	5 14	3 42	2 34	22 49	0 20	10 9	0 50	21 56	0 1	23 28	0 13	22 39	0 5	21 54	1 4	4 4	14 9	19 46	19 58	21 24			n.a.
W17	15 15	9 15	5 15	3 15	2 43	22 46	0 17	9 53	0 50	21 56	0 1	23 28	0 13	22 39	0 5	21 54	1 4	4 4	14 9	19 46	19 59	21 25			n.a.
T 18	14 57	13 8	5 2	2 49	2 51	22 42	0 13	9 38	0 49	21 56	0 1	23 28	0 13	22 39	0 5	21 54	1 4	4 3	14 8	19 47	19 59	21 25			n.a.
F 19	14 38	16 23	4 35	2 25	2 59	22 37	0 10	9 22	0 49	21 57	0 2	23 28	0 13	22 39	0 5	21 54	1 4	4 2	14 8	19 46	20 0	21 25			n.a.
S 20	14 19	18 52	3 57	2 3	3 6	22 32	0 7	9 7	0 48	21 57	0 2	23 28	0 12	22 40	0 5	21 54	1 4	4 1	14 7	19 46	20 1	21 25			n.a.
S 21	13 59	20 31	3 9	1 42	3 13	22 25	0 3	8 51	0 48	21 58	0 2	23 27	0 12	22 40	0 5	21 54	1 4	4 0	14 7	19 46	20 1	21 25			n.a.
M22	13 40	21 16	2 13	1 24	3 20	22 19	0 0	8 36	0 47	21 58	0 2	23 27	0 12	22 40	0 5	21 54	1 4	3 59	14 6	19 45	20 2	21 25			n.a.
T 23	13 20	21 4	1 11	1 8	3 26	22 11	0n 3	8 20	0 47	21 59	0 2	23 27	0 12	22 40	0 5	21 54	1 4	3 58	14 6	19 45	20 3	21 25			n.a.
W24	13 0	19 55	0 7	0 55	3 32	22 3	0 6	8 4	0 46	21 59	0 2	23 27	0 12	22 40	0 5	21 54	1 4	3 57	14 5	19 45	20 4	21 26			n.a.
T 25	12 40	17 52	0n59	0 44	3 37	21 54	0 9	7 48	0 46	22 0	0 2	23 27	0 12	22 41	0 5	21 54	1 4	3 56	14 5	19 45	20 4	21 26			n.a.
F 26	12 19	15 0	2 3	0 37	3 41	21 45	0 13	7 32	0 45	22 1	0 3	23 27	0 12	22 41	0 5	21 54	1 4	3 55	14 4	19 46	20 5	21 26			n.a.
S 27	11 59	11 26	3 2	0 32	3 44	21 35	0 16	7 16	0 45	22 1	0 3	23 27	0 12	22 41	0 5	21 55	1 4	3 54	14 4	19 46	20 6	21 26			n.a.
S 28	11 38	7 20	3 53	0 32	3 47	21 24	0 19	7 0	0 44	22 2	0 3	23 27	0 12	22 41	0 6	21 55	1 4	3 53	14 3	19 47	20 6	21 26			n.a.
M29	11 17	2 51	4 33	0 35	3 48	21 13	0 22	6 44	0 44	22 3	0 3	23 27	0 12	22 41	0 6	21 55	1 4	3 52	14 3	19 48	20 7	21 26			n.a.
T 30	10 55	1s50	5 0	0 43	3 47	21 1	0 25	6 27	0 43	22 3	0 3	23 26	0 12	22 42	0 6	21 55	1 4	3 51	14 3	19 49	20 8	21 26			n.a.
W31	10n34	6s31	5n12	0n55	3s46	20n49	0n28	6n11	0n43	22s 4	0s 3	23n26	0s12	22n42	0n 6	21n55	1s 4	3n50	14n 2	19n50	20n 8	21n26			n.a.

Julian Day Number = 1635801.5, Delta T = 03h39m15s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'22, Lahiri = - 7°11'21 Julian Calendar 1 Aug. 235 BCE == Greg. Calendar 28 July 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

SEPTEMBER 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 23 32	3♍52'23	12♏47	18°R32	1♌21	16♍49	8♐48	4♋57	12♊51	16♊ 2	23♎28	2°R26	1♌ 5	15♋11	n.a.	T 1
F 2	22 27 29	4°51'32	26°25	17♍51	2°33	17°30	8°52	5° 2	12°52	16° 3	23°29	2♌24	1° 2	15°18	n.a.	F 2
S 3	22 31 25	5°50'44	10♐18	17° 3	3°46	18°10	8°57	5° 7	12°53	16° 3	23°31	2°D24	0°59	15°25	n.a.	S 3
S 4	22 35 22	6°49'57	24°25	16° 7	4°59	18°51	9° 1	5°12	12°54	16° 4	23°33	2°25	0°56	15°31	n.a.	S 4
M 5	22 39 19	7°49'12	8♑46	15° 6	6°12	19°31	9° 6	5°17	12°55	16° 5	23°35	2°27	0°53	15°38	n.a.	M 5
T 6	22 43 15	8°48'29	23°17	14° 0	7°25	20°12	9°11	5°22	12°56	16° 5	23°37	2°28	0°49	15°45	n.a.	T 6
W 7	22 47 12	9°47'48	7♒56	12°51	8°38	20°53	9°17	5°27	12°57	16° 6	23°38	2°R28	0°46	15°51	n.a.	W 7
T 8	22 51 8	10°47'08	22°36	11°40	9°51	21°33	9°22	5°31	12°58	16° 6	23°40	2°26	0°43	15°58	n.a.	T 8
F 9	22 55 5	11°46'31	7♓11	10°30	11° 4	22°14	9°28	5°36	12°58	16° 7	23°42	2°23	0°40	16° 4	n.a.	F 9
S 10	22 59 1	12°45'56	21°35	9°21	12°18	22°55	9°34	5°40	12°59	16° 7	23°44	2°18	0°37	16°11	n.a.	S 10
S 11	23 2 58	13°45'22	5♈42	8°17	13°31	23°36	9°39	5°45	13° 0	16° 8	23°46	2°11	0°33	16°18	n.a.	S 11
M12	23 6 54	14°44'52	19°26	7°18	14°45	24°17	9°46	5°49	13° 0	16° 8	23°48	2° 4	0°30	16°24	n.a.	M12
T 13	23 10 51	15°44'23	2♉46	6°28	15°58	24°58	9°52	5°54	13° 1	16° 9	23°50	1°57	0°27	16°31	n.a.	T 13
W14	23 14 48	16°43'57	15°42	5°46	17°12	25°39	9°58	5°58	13° 2	16° 9	23°52	1°52	0°24	16°38	n.a.	W14
T 15	23 18 44	17°43'33	28°16	5°14	18°25	26°20	10° 5	6° 2	13° 2	16° 9	23°54	1°48	0°21	16°44	n.a.	T 15
F 16	23 22 41	18°43'12	10♊31	4°54	19°39	27° 1	10°11	6° 6	13° 2	16° 9	23°56	1°46	0°18	16°51	n.a.	F 16
S 17	23 26 37	19°42'53	22°31	4°D44	20°53	27°42	10°18	6°10	13° 3	16°10	23°58	1°D45	0°14	16°58	n.a.	S 17
S 18	23 30 34	20°42'36	4♋23	4°45	22° 7	28°23	10°25	6°14	13° 3	16°10	24° 0	1°46	0°11	17° 4	n.a.	S 18
M19	23 34 30	21°42'22	16°11	4°58	23°21	29° 5	10°33	6°17	13° 3	16°10	24° 2	1°47	0° 8	17°11	n.a.	M19
T 20	23 38 27	22°42'10	28° 0	5°20	24°35	29°46	10°40	6°21	13° 3	16°10	24° 5	1°R48	0° 5	17°18	n.a.	T 20
W21	23 42 23	23°42'01	9♌55	5°53	25°49	0♎28	10°47	6°24	13° 4	16°10	24° 7	1°48	0° 2	17°24	n.a.	W21
T 22	23 46 20	24°41'53	22° 0	6°34	27° 3	1° 9	10°55	6°28	13° 4	16°10	24° 9	1°46	29♋59	17°31	n.a.	T 22
F 23	23 50 16	25°41'48	4♍19	7°24	28°17	1°50	11° 3	6°31	13°R 4	16°R10	24°11	1°41	29°55	17°38	n.a.	F 23
S 24	23 54 13	26°41'45	16°52	8°22	29°31	2°32	11°11	6°34	13° 4	16°10	24°13	1°34	29°52	17°44	n.a.	S 24
S 25	23 58 10	27°41'44	29°42	9°25	0♍45	3°14	11°19	6°38	13° 4	16°10	24°15	1°25	29°49	17°51	n.a.	S 25
M26	0 2 6	28°41'45	12♎47	10°35	2° 0	3°55	11°27	6°41	13° 3	16°10	24°18	1°15	29°46	17°57	n.a.	M26
T 27	0 6 3	29°41'48	26° 7	11°49	3°14	4°37	11°35	6°43	13° 3	16°10	24°20	1° 4	29°43	18° 4	n.a.	T 27
W28	0 9 59	0♎41'53	9♏38	13° 8	4°28	5°19	11°44	6°46	13° 3	16°10	24°22	0°55	29°39	18°11	n.a.	W28
T 29	0 13 56	1°41'59	23°20	14°31	5°43	6° 1	11°52	6°49	13° 3	16°10	24°24	0°47	29°36	18°17	n.a.	T 29
F 30	0 17 52	2♎42'08	7♐10	15♍56	6♍57	6♎42	12♐ 1	6♋52	13♊ 2	16♊10	24♎27	0♌42	29♋33	18♋24	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n12	10s58	5n 8	1n11	3s42	20n36	0n31	5n55	0n42	22s 5	0s 3	23n26	0s12	22n42	0n 6	21n55	1s 4	3n49	14n 2	19n51	20n 9	21n27		n.a.
F 2	9 50	14 57	4 46	1 32	3 37	20 22	0 33	5 38	0 42	22 6	0 3	23 26	0 11	22 42	0 6	21 55	1 4	3 48	14 1	19 51	20 10	21 27		n.a.
S 3	9 29	18 11	4 7	1 57	3 30	20 7	0 36	5 22	0 41	22 7	0 4	23 26	0 11	22 42	0 6	21 55	1 4	3 47	14 1	19 51	20 11	21 27		n.a.
S 4	9 6	20 23	3 13	2 27	3 21	19 53	0 39	5 5	0 41	22 7	0 4	23 26	0 11	22 42	0 6	21 55	1 4	3 46	14 0	19 51	20 11	21 27		n.a.
M 5	8 44	21 20	2 6	3 1	3 11	19 37	0 42	4 49	0 40	22 8	0 4	23 26	0 11	22 43	0 6	21 55	1 4	3 45	14 0	19 51	20 12	21 27		n.a.
T 6	8 22	20 52	0 50	3 38	2 58	19 21	0 44	4 32	0 40	22 9	0 4	23 26	0 11	22 43	0 6	21 55	1 4	3 44	14 0	19 51	20 13	21 27		n.a.
W 7	7 59	18 59	0s30	4 18	2 43	19 4	0 47	4 15	0 39	22 10	0 4	23 25	0 11	22 43	0 6	21 55	1 4	3 43	13 59	19 51	20 13	21 27		n.a.
T 8	7 36	15 50	1 47	5 1	2 27	18 47	0 49	3 59	0 39	22 11	0 4	23 25	0 11	22 43	0 6	21 55	1 4	3 42	13 59	19 51	20 14	21 27		n.a.
F 9	7 14	11 43	2 58	5 44	2 9	18 29	0 52	3 42	0 38	22 12	0 4	23 25	0 11	22 43	0 6	21 55	1 5	3 41	13 59	19 52	20 15	21 27		n.a.
S 10	6 51	6 58	3 55	6 28	1 50	18 11	0 54	3 25	0 38	22 13	0 4	23 25	0 11	22 43	0 6	21 55	1 5	3 40	13 58	19 53	20 15	21 27		n.a.
S 11	6 28	1 57	4 37	7 11	1 30	17 52	0 57	3 8	0 37	22 14	0 4	23 25	0 11	22 43	0 6	21 55	1 5	3 39	13 58	19 54	20 16	21 27		n.a.
M12	6 5	3n 2	5 2	7 51	1 9	17 32	0 59	2 51	0 37	22 15	0 5	23 25	0 11	22 43	0 6	21 55	1 5	3 38	13 57	19 56	20 17	21 27		n.a.
T 13	5 41	7 44	5 9	8 29	0 49	17 13	1 1	2 35	0 36	22 16	0 5	23 25	0 11	22 43	0 6	21 55	1 5	3 37	13 57	19 57	20 18	21 27		n.a.
W14	5 18	11 57	5 0	9 3	0 29	16 52	1 3	2 18	0 36	22 17	0 5	23 25	0 11	22 44	0 6	21 55	1 5	3 35	13 57	19 59	20 18	21 27		n.a.
T 15	4 54	15 30	4 37	9 33	0 9	16 31	1 5	2 1	0 35	22 18	0 5	23 25	0 10	22 44	0 6	21 55	1 5	3 34	13 56	20 0	20 19	21 27		n.a.
F 16	4 31	18 18	4 2	9 58	0n 9	16 10	1 7	1 44	0 35	22 19	0 5	23 24	0 10	22 44	0 6	21 55	1 5	3 33	13 56	20 0	20 20	21 27		n.a.
S 17	4 7	20 15	3 16	10 18	0 26	15 48	1 9	1 27	0 34	22 21	0 5	23 24	0 10	22 44	0 6	21 55	1 5	3 32	13 56	20 0	20 20	21 27		n.a.
S 18	3 43	21 16	2 23	10 32	0 42	15 26	1 11	1 9	0 33	22 22	0 5	23 24	0 10	22 44	0 6	21 55	1 5	3 31	13 55	20 0	20 21	21 27		n.a.
M19	3 20	21 21	1 23	10 41	0 57	15 3	1 13	0 52	0 33	22 23	0 5	23 24	0 10	22 44	0 6	21 55	1 5	3 30	13 55	20 0	20 22	21 27		n.a.
T 20	2 56	20 28	0 21	10 45	1 10	14 39	1 15	0 35	0 32	22 24	0 5	23 24	0 10	22 44	0 6	21 55	1 5	3 29	13 55	20 0	20 22	21 27		n.a.
W21	2 32	18 40	0n44	10 44	1 22	14 16	1 16	0 18	0 32	22 25	0 6	23 24	0 10	22 44	0 6	21 55	1 5	3 28	13 54	20 0	20 23	21 27		n.a.
T 22	2 8	16 1	1 47	10 37	1 32	13 52	1 18	0 1	0 31	22 26	0 6	23 24	0 10	22 44	0 6	21 55	1 5	3 27	13 54	20 0	20 24	21 27		n.a.
F 23	1 44	12 36	2 46	10 26	1 40	13 27	1 20	0s16	0 31	22 28	0 6	23 24	0 10	22 44	0 6	21 55	1 5	3 26	13 54	20 1	20 24	21 27		n.a.
S 24	1 20	8 34	3 38	10 11	1 47	13 2	1 21	0 34	0 30	22 29	0 6	23 24	0 10	22 44	0 6	21 55	1 5	3 25	13 54	20 3	20 25	21 27		n.a.
S 25	0 56	4 5	4 20	9 53	1 53	12 37	1 23	0 51	0 30	22 30	0 6	23 24	0 10	22 44	0 6	21 55	1 5	3 24	13 53	20 5	20 26	21 27		n.a.
M26	0 31	0s41	4 49	9 30	1 58	12 12	1 24	1 8	0 29	22 31	0 6	23 24	0 10	22 44	0 6	21 55	1 5	3 23	13 53	20 7	20 26	21 27		n.a.
T 27	0 7	5 30	5 3	9 4	2 1	11 46	1 25	1 25	0 28	22 33	0 6	23 24	0 9	22 44	0 6	21 55	1 5	3 22	13 53	20 9	20 27	21 27		n.a.
W28	0s17	10 7	5 1	8 36	2 4	11 19	1 26	1 42	0 28	22 34	0 6	23 23	0 9	22 44	0 6	21 55	1 5	3 21	13 53	20 11	20 28	21 27		n.a.
T 29	0 41	14 17	4 41	8 5	2 5	10 53	1 27	2 0	0 27	22 35	0 6	23 23	0 9	22 44	0 6	21 55	1 5	3 20	13 52	20 13	20 28	21 27		n.a.
F 30	1s 5	17s44	4n 5	7n32	2n 5	10n26	1n28	2s17	0n27	22s36	0s 6	23n23	0s 9	22n44	0n 6	21n55	1s 5	3n19	13n52	20n14	20n29	21n27		n.a.

Julian Day Number = 1635832.5, Delta T = 03h39m14s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'18, Lahiri = - 7°11'17 Julian Calendar 1 Sept. 235 BCE == Greg. Calendar 28 Aug. 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

OCTOBER 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 21 49	3♎42'18	21♐ 7	17♍25	8♍12	7♎24	12♐10	6♋54	13°R 2	16°R 9	24♎29	0°R39	29♋30	18♋31	n.a.	S 1
S 2	0 25 45	4°42'30	5♑ 9	18°55	9°26	8° 6	12°19	6°57	13♊ 1	16♊ 9	24°31	0°D39	29°27	18°37	n.a.	S 2
M 3	0 29 42	5°42'43	19°16	20°27	10°41	8°48	12°28	6°59	13° 1	16° 9	24°34	0♌39	29°24	18°44	n.a.	M 3
T 4	0 33 39	6°42'58	3♒27	22° 0	11°56	9°30	12°37	7° 1	13° 0	16° 8	24°36	0°R39	29°20	18°51	n.a.	T 4
W 5	0 37 35	7°43'14	17°40	23°35	13°10	10°12	12°47	7° 3	13° 0	16° 8	24°38	0°38	29°17	18°57	n.a.	W 5
T 6	0 41 32	8°43'32	1♓53	25°10	14°25	10°54	12°56	7° 5	12°59	16° 8	24°41	0°35	29°14	19° 4	n.a.	T 6
F 7	0 45 28	9°43'52	16° 3	26°46	15°40	11°37	13° 6	7° 7	12°58	16° 7	24°43	0°28	29°11	19°11	n.a.	F 7
S 8	0 49 25	10°44'13	0♈ 5	28°23	16°55	12°19	13°16	7° 9	12°58	16° 7	24°45	0°19	29° 8	19°17	n.a.	S 8
S 9	0 53 21	11°44'36	13°54	29°59	18° 9	13° 1	13°25	7°11	12°57	16° 6	24°48	0° 8	29° 4	19°24	n.a.	S 9
M10	0 57 18	12°45'01	27°27	1♎37	19°24	13°44	13°35	7°12	12°56	16° 6	24°50	29♋56	29° 1	19°31	n.a.	M10
T 11	1 1 14	13°45'28	10♉40	3°14	20°39	14°26	13°45	7°14	12°55	16° 5	24°52	29°43	28°58	19°37	n.a.	T 11
W12	1 5 11	14°45'56	23°33	4°52	21°54	15° 8	13°56	7°15	12°54	16° 4	24°55	29°33	28°55	19°44	n.a.	W12
T 13	1 9 7	15°46'27	6♊ 5	6°29	23° 9	15°51	14° 6	7°16	12°53	16° 4	24°57	29°24	28°52	19°50	n.a.	T 13
F 14	1 13 4	16°46'59	18°20	8° 6	24°24	16°33	14°16	7°17	12°52	16° 3	24°59	29°18	28°49	19°57	n.a.	F 14
S 15	1 17 1	17°47'33	0♋21	9°43	25°39	17°16	14°27	7°18	12°51	16° 2	25° 2	29°15	28°45	20° 4	n.a.	S 15
S 16	1 20 57	18°48'10	12°13	11°20	26°54	17°59	14°37	7°19	12°50	16° 2	25° 4	29°14	28°42	20°10	n.a.	S 16
M17	1 24 54	19°48'48	24° 0	12°57	28° 9	18°41	14°48	7°20	12°48	16° 1	25° 7	29°14	28°39	20°17	n.a.	M17
T 18	1 28 50	20°49'27	5♌50	14°33	29°24	19°24	14°59	7°20	12°47	16° 0	25° 9	29°13	28°36	20°24	n.a.	T 18
W19	1 32 47	21°50'09	17°46	16°10	0♎40	20° 7	15°10	7°21	12°46	15°59	25°11	29°12	28°33	20°30	n.a.	W19
T 20	1 36 43	22°50'53	29°55	17°46	1°55	20°50	15°21	7°21	12°44	15°58	25°14	29° 9	28°30	20°37	n.a.	T 20
F 21	1 40 40	23°51'38	12♍20	19°22	3°10	21°33	15°32	7°22	12°43	15°58	25°16	29° 3	28°26	20°44	n.a.	F 21
S 22	1 44 36	24°52'24	25° 5	20°58	4°25	22°16	15°43	7°22	12°41	15°57	25°19	28°54	28°23	20°50	n.a.	S 22
S 23	1 48 33	25°53'13	8♎11	22°33	5°40	22°59	15°55	7°R22	12°40	15°56	25°21	28°43	28°20	20°57	n.a.	S 23
M24	1 52 30	26°54'02	21°37	24° 9	6°56	23°42	16° 6	7°22	12°38	15°55	25°24	28°30	28°17	21° 4	n.a.	M24
T 25	1 56 26	27°54'54	5♏22	25°44	8°11	24°25	16°18	7°22	12°37	15°54	25°26	28°17	28°14	21°10	n.a.	T 25
W26	2 0 23	28°55'46	19°21	27°19	9°26	25° 8	16°29	7°22	12°35	15°53	25°28	28° 4	28°10	21°17	n.a.	W26
T 27	2 4 19	29°56'40	3♐29	28°54	10°42	25°51	16°41	7°21	12°34	15°52	25°31	27°54	28° 7	21°24	n.a.	T 27
F 28	2 8 16	0♏57'35	17°43	0♏28	11°57	26°34	16°53	7°21	12°32	15°51	25°33	27°47	28° 4	21°30	n.a.	F 28
S 29	2 12 12	1°58'31	1♑56	2° 3	13°12	27°18	17° 4	7°20	12°30	15°49	25°36	27°43	28° 1	21°37	n.a.	S 29
S 30	2 16 9	2°59'28	16° 8	3°37	14°28	28° 1	17°16	7°20	12°28	15°48	25°38	27°41	27°58	21°43	n.a.	S 30
M31	2 20 5	4♏ 0'26	0♒15	5♏12	15♎43	28♎44	17♐28	7♋19	12♊26	15♊47	25♎40	27♋41	27♋55	21♋50	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s29	20s11	3n15	6n57	2n 5	9n58	1n29	2s34	0n26	22s38	0s 7	23n23	0s 9	22n44	0n 6	21n55	1s 5	3n18	13n52	20n15	20n30	21n27		n.a.
S 2	1 54	21 26	2 12	6 20	2 4	9 31	1 30	2 52	0 26	22 39	0 7	23 23	0 9	22 44	0 6	21 55	1 5	3 17	13 52	20 15	20 30	21 27		n.a.
M 3	2 18	21 19	1 0	5 42	2 2	9 3	1 31	3 9	0 25	22 40	0 7	23 23	0 9	22 44	0 6	21 55	1 5	3 16	13 51	20 15	20 31	21 27		n.a.
T 4	2 42	19 51	0s15	5 2	2 0	8 35	1 32	3 26	0 25	22 42	0 7	23 23	0 9	22 44	0 6	21 55	1 5	3 15	13 51	20 15	20 32	21 27		n.a.
W 5	3 6	17 8	1 29	4 22	1 57	8 7	1 32	3 43	0 24	22 43	0 7	23 23	0 9	22 44	0 6	21 55	1 5	3 14	13 51	20 15	20 32	21 27		n.a.
T 6	3 30	13 23	2 38	3 40	1 53	7 38	1 33	4 1	0 23	22 44	0 7	23 23	0 9	22 44	0 6	21 55	1 5	3 13	13 51	20 16	20 33	21 27		n.a.
F 7	3 54	8 53	3 37	2 58	1 49	7 9	1 34	4 18	0 23	22 46	0 7	23 23	0 9	22 43	0 6	21 54	1 5	3 12	13 51	20 17	20 34	21 27		n.a.
S 8	4 18	3 57	4 21	2 15	1 45	6 40	1 34	4 35	0 22	22 47	0 7	23 23	0 9	22 43	0 6	21 54	1 5	3 11	13 50	20 19	20 34	21 27		n.a.
S 9	4 42	1n 6	4 50	1 32	1 40	6 11	1 34	4 52	0 22	22 48	0 7	23 23	0 8	22 43	0 6	21 54	1 5	3 10	13 50	20 22	20 35	21 27		n.a.
M10	5 6	6 0	5 1	0 48	1 35	5 41	1 35	5 9	0 21	22 49	0 8	23 23	0 8	22 43	0 6	21 54	1 5	3 9	13 50	20 24	20 36	21 26		n.a.
T 11	5 29	10 31	4 56	0 4	1 30	5 12	1 35	5 26	0 20	22 51	0 8	23 23	0 8	22 43	0 6	21 54	1 5	3 8	13 50	20 27	20 36	21 26		n.a.
W12	5 53	14 26	4 36	0s40	1 25	4 42	1 35	5 44	0 20	22 52	0 8	23 23	0 8	22 43	0 6	21 54	1 5	3 7	13 50	20 29	20 37	21 26		n.a.
T 13	6 17	17 36	4 3	1 24	1 19	4 12	1 35	6 1	0 19	22 54	0 8	23 23	0 8	22 43	0 6	21 54	1 5	3 6	13 50	20 31	20 38	21 26		n.a.
F 14	6 40	19 54	3 19	2 8	1 13	3 42	1 35	6 18	0 19	22 55	0 8	23 23	0 8	22 43	0 6	21 54	1 5	3 5	13 50	20 32	20 38	21 26		n.a.
S 15	7 4	21 16	2 27	2 52	1 7	3 12	1 35	6 35	0 18	22 56	0 8	23 23	0 8	22 43	0 6	21 54	1 5	3 4	13 49	20 33	20 39	21 26		n.a.
S 16	7 27	21 41	1 29	3 36	1 1	2 42	1 35	6 52	0 17	22 58	0 8	23 23	0 8	22 42	0 6	21 54	1 5	3 3	13 49	20 33	20 40	21 26		n.a.
M17	7 50	21 6	0 28	4 20	0 54	2 11	1 35	7 9	0 17	22 59	0 8	23 23	0 8	22 42	0 6	21 54	1 5	3 2	13 49	20 33	20 40	21 26		n.a.
T 18	8 13	19 36	0n35	5 4	0 48	1 41	1 34	7 26	0 16	23 0	0 8	23 23	0 8	22 42	0 6	21 53	1 5	3 1	13 49	20 33	20 41	21 26		n.a.
W19	8 36	17 13	1 37	5 47	0 42	1 10	1 34	7 43	0 16	23 1	0 8	23 23	0 8	22 42	0 6	21 53	1 6	3 0	13 49	20 34	20 42	21 25		n.a.
T 20	8 59	14 3	2 35	6 31	0 35	0 40	1 34	8 0	0 15	23 3	0 8	23 23	0 8	22 42	0 6	21 53	1 6	2 59	13 49	20 34	20 42	21 25		n.a.
F 21	9 22	10 12	3 27	7 14	0 29	0 9	1 33	8 16	0 14	23 4	0 9	23 23	0 7	22 42	0 6	21 53	1 6	2 58	13 49	20 35	20 43	21 25		n.a.
S 22	9 45	5 48	4 10	7 56	0 22	0s22	1 32	8 33	0 14	23 5	0 9	23 24	0 7	22 42	0 6	21 53	1 6	2 57	13 49	20 37	20 44	21 25		n.a.
S 23	10 7	1 1	4 41	8 38	0 15	0 53	1 32	8 50	0 13	23 7	0 9	23 24	0 7	22 41	0 6	21 53	1 6	2 56	13 49	20 40	20 44	21 25		n.a.
M24	10 29	3s55	4 58	9 20	0 9	1 23	1 31	9 7	0 13	23 8	0 9	23 24	0 7	22 41	0 6	21 53	1 6	2 55	13 49	20 42	20 45	21 25		n.a.
T 25	10 51	8 47	4 58	10 2	0 2	1 54	1 30	9 23	0 12	23 9	0 9	23 24	0 7	22 41	0 6	21 53	1 6	2 55	13 49	20 45	20 46	21 24		n.a.
W26	11 13	13 17	4 40	10 42	0s 4	2 25	1 29	9 40	0 11	23 11	0 9	23 24	0 7	22 41	0 6	21 53	1 6	2 54	13 49	20 48	20 46	21 24		n.a.
T 27	11 35	17 6	4 5	11 23	0 11	2 56	1 29	9 56	0 11	23 12	0 9	23 24	0 7	22 41	0 6	21 52	1 6	2 53	13 49	20 50	20 47	21 24		n.a.
F 28	11 57	19 55	3 14	12 3	0 18	3 26	1 28	10 13	0 10	23 13	0 9	23 24	0 7	22 40	0 6	21 52	1 6	2 52	13 49	20 51	20 48	21 24		n.a.
S 29	12 18	21 31	2 12	12 42	0 24	3 57	1 27	10 29	0 10	23 14	0 9	23 24	0 7	22 40	0 6	21 52	1 6	2 51	13 48	20 52	20 48	21 24		n.a.
S 30	12 39	21 44	1 1	13 21	0 30	4 27	1 25	10 45	0 9	23 16	0 9	23 24	0 7	22 40	0 6	21 52	1 6	2 50	13 48	20 52	20 49	21 24		n.a.
M31	13s 0	20s33	0s14	13s59	0s37	4s58	1n24	11s 2	0n 8	23s17	0s10	23n25	0s 7	22n40	0n 6	21n52	1s 6	2n49	13n48	20n52	20n49	21n23		n.a.

Julian Day Number = 1635862.5, Delta T = 03h39m13s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'13, Lahiri = - 7°11'13 Julian Calendar 1 Oct. 235 BCE == Greg. Calendar 27 Sept. 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

NOVEMBER 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 24 2	5♏ 1'24	14♒16	6♏46	16♎58	29♎28	17♐41	7°R18	12°R25	15°R46	25♎43	27°R41	27♋51	21♋57	n.a.	T 1
W 2	2 27 59	6° 2'24	28°13	8°20	18°14	0♏11	17°53	7♋17	12♊23	15♊45	25°45	27♋39	27°48	22° 3	n.a.	W 2
T 3	2 31 55	7° 3'24	12♓ 3	9°54	19°29	0°55	18° 5	7°16	12°21	15°44	25°48	27°36	27°45	22°10	n.a.	T 3
F 4	2 35 52	8° 4'25	25°47	11°29	20°45	1°38	18°17	7°14	12°19	15°42	25°50	27°29	27°42	22°17	n.a.	F 4
S 5	2 39 48	9° 5'26	9♈22	13° 3	22° 0	2°22	18°30	7°13	12°17	15°41	25°52	27°19	27°39	22°23	n.a.	S 5
S 6	2 43 45	10° 6'29	22°46	14°37	23°15	3° 6	18°42	7°11	12°15	15°40	25°55	27° 7	27°36	22°30	n.a.	S 6
M 7	2 47 41	11° 7'32	5♉57	16°11	24°31	3°49	18°55	7°10	12°13	15°38	25°57	26°54	27°32	22°37	n.a.	M 7
T 8	2 51 38	12° 8'37	18°54	17°45	25°46	4°33	19° 7	7° 8	12°10	15°37	25°59	26°41	27°29	22°43	n.a.	T 8
W 9	2 55 34	13° 9'42	1♊35	19°19	27° 2	5°17	19°20	7° 6	12° 8	15°36	26° 2	26°29	27°26	22°50	n.a.	W 9
T 10	2 59 31	14°10'48	14° 1	20°53	28°17	6° 1	19°33	7° 4	12° 6	15°34	26° 4	26°20	27°23	22°57	n.a.	T 10
F 11	3 3 28	15°11'55	26°12	22°28	29°33	6°45	19°46	7° 2	12° 4	15°33	26° 6	26°13	27°20	23° 3	n.a.	F 11
S 12	3 7 24	16°13'03	8♋11	24° 2	0♏48	7°29	19°58	7° 0	12° 2	15°31	26° 9	26° 9	27°16	23°10	n.a.	S 12
S 13	3 11 21	17°14'12	20° 1	25°36	2° 4	8°13	20°11	6°58	11°59	15°30	26°11	26° 7	27°13	23°16	n.a.	S 13
M14	3 15 17	18°15'22	1♌48	27°11	3°19	8°57	20°24	6°56	11°57	15°29	26°13	26°D 7	27°10	23°23	n.a.	M14
T 15	3 19 14	19°16'33	13°37	28°45	4°35	9°41	20°37	6°53	11°55	15°27	26°15	26°R 7	27° 7	23°30	n.a.	T 15
W16	3 23 10	20°17'45	25°32	0♐19	5°50	10°25	20°50	6°51	11°52	15°26	26°18	26° 7	27° 4	23°36	n.a.	W16
T 17	3 27 7	21°18'57	7♍40	1°54	7° 6	11° 9	21° 4	6°48	11°50	15°24	26°20	26° 6	27° 1	23°43	n.a.	T 17
F 18	3 31 4	22°20'10	20° 5	3°28	8°21	11°54	21°17	6°45	11°48	15°23	26°22	26° 2	26°57	23°50	n.a.	F 18
S 19	3 35 0	23°21'24	2♎53	5° 3	9°37	12°38	21°30	6°43	11°45	15°21	26°24	25°56	26°54	23°56	n.a.	S 19
S 20	3 38 57	24°22'39	16° 5	6°37	10°52	13°22	21°43	6°40	11°43	15°19	26°27	25°48	26°51	24° 3	n.a.	S 20
M21	3 42 53	25°23'54	29°42	8°11	12° 8	14° 7	21°57	6°37	11°40	15°18	26°29	25°38	26°48	24°10	n.a.	M21
T 22	3 46 50	26°25'10	13♏44	9°45	13°23	14°51	22°10	6°34	11°38	15°16	26°31	25°27	26°45	24°16	n.a.	T 22
W23	3 50 46	27°26'26	28° 5	11°19	14°39	15°35	22°24	6°30	11°35	15°15	26°33	25°17	26°41	24°23	n.a.	W23
T 24	3 54 43	28°27'43	12♐40	12°52	15°54	16°20	22°37	6°27	11°33	15°13	26°35	25° 9	26°38	24°30	n.a.	T 24
F 25	3 58 39	29°29'00	27°21	14°25	17°10	17° 5	22°51	6°24	11°30	15°11	26°37	25° 4	26°35	24°36	n.a.	F 25
S 26	4 2 36	0♐30'16	12♑ 1	15°57	18°25	17°49	23° 4	6°20	11°28	15°10	26°39	25° 1	26°32	24°43	n.a.	S 26
S 27	4 6 33	1°31'33	26°34	17°28	19°41	18°34	23°18	6°17	11°25	15° 8	26°42	25°D 0	26°29	24°50	n.a.	S 27
M28	4 10 29	2°32'50	10♒56	18°59	20°57	19°18	23°32	6°13	11°23	15° 7	26°44	25° 1	26°26	24°56	n.a.	M28
T 29	4 14 26	3°34'06	25° 4	20°28	22°12	20° 3	23°45	6° 9	11°20	15° 5	26°46	25° 2	26°22	25° 3	n.a.	T 29
W30	4 18 22	4♐35'22	8♓58	21♐56	23♏28	20♏48	23♐59	6♋ 6	11♊18	15♊ 3	26♎48	25°R 2	26♋19	25♋ 9	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s21	18s 7	1s27	14s36	0s43	5s28	1n23	11s18	0n 8	23s18	0s10	23n25	0s 6	22n39	0n 6	21n52	1s 6	2n49	13n48	20n52	20n50	21n23		n.a.
W 2	13 42	14 38	2 34	15 13	0 49	5 58	1 22	11 34	0 7	23 19	0 10	23 25	0 6	22 39	0 6	21 52	1 6	2 48	13 49	20 53	20 51	21 23		n.a.
T 3	14 2	10 22	3 32	15 50	0 55	6 28	1 21	11 50	0 6	23 21	0 10	23 25	0 6	22 39	0 6	21 51	1 6	2 47	13 49	20 53	20 51	21 23		n.a.
F 4	14 22	5 37	4 17	16 25	1 1	6 58	1 19	12 6	0 6	23 22	0 10	23 25	0 6	22 39	0 7	21 51	1 6	2 46	13 49	20 55	20 52	21 23		n.a.
S 5	14 42	0 38	4 46	17 0	1 7	7 28	1 18	12 21	0 5	23 23	0 10	23 25	0 6	22 38	0 7	21 51	1 6	2 45	13 49	20 57	20 53	21 22		n.a.
S 6	15 1	4n19	5 0	17 34	1 12	7 58	1 16	12 37	0 4	23 24	0 10	23 26	0 6	22 38	0 7	21 51	1 6	2 45	13 49	20 59	20 53	21 22		n.a.
M 7	15 21	9 0	4 57	18 7	1 18	8 27	1 15	12 53	0 4	23 25	0 10	23 26	0 6	22 38	0 7	21 51	1 6	2 44	13 49	21 1	20 54	21 22		n.a.
T 8	15 40	13 11	4 39	18 39	1 23	8 57	1 13	13 8	0 3	23 26	0 10	23 26	0 6	22 38	0 7	21 51	1 6	2 43	13 49	21 4	20 55	21 22		n.a.
W 9	15 58	16 41	4 7	19 10	1 28	9 26	1 11	13 24	0 3	23 28	0 10	23 26	0 6	22 37	0 7	21 51	1 6	2 42	13 49	21 6	20 55	21 21		n.a.
T 10	16 17	19 23	3 24	19 41	1 33	9 54	1 10	13 39	0 2	23 29	0 10	23 26	0 6	22 37	0 7	21 50	1 6	2 41	13 49	21 8	20 56	21 21		n.a.
F 11	16 35	21 8	2 32	20 10	1 38	10 23	1 8	13 54	0 1	23 30	0 11	23 27	0 5	22 37	0 7	21 50	1 6	2 41	13 49	21 9	20 56	21 21		n.a.
S 12	16 53	21 54	1 34	20 39	1 42	10 51	1 6	14 10	0 1	23 31	0 11	23 27	0 5	22 37	0 7	21 50	1 6	2 40	13 49	21 10	20 57	21 21		n.a.
S 13	17 11	21 40	0 32	21 6	1 46	11 20	1 4	14 25	0 0	23 32	0 11	23 27	0 5	22 36	0 7	21 50	1 6	2 39	13 49	21 11	20 58	21 20		n.a.
M14	17 28	20 29	0n30	21 33	1 50	11 47	1 2	14 40	0s 1	23 33	0 11	23 27	0 5	22 36	0 7	21 50	1 6	2 39	13 49	21 11	20 58	21 20		n.a.
T 15	17 45	18 24	1 32	21 58	1 54	12 15	1 1	14 54	0 1	23 34	0 11	23 27	0 5	22 36	0 7	21 50	1 6	2 38	13 49	21 10	20 59	21 20		n.a.
W16	18 2	15 31	2 30	22 22	1 57	12 42	0 59	15 9	0 2	23 35	0 11	23 28	0 5	22 35	0 7	21 49	1 6	2 37	13 50	21 10	21 0	21 20		n.a.
T 17	18 18	11 56	3 23	22 45	2 1	13 9	0 57	15 24	0 3	23 36	0 11	23 28	0 5	22 35	0 7	21 49	1 6	2 37	13 50	21 11	21 0	21 19		n.a.
F 18	18 34	7 45	4 7	23 7	2 3	13 36	0 55	15 38	0 3	23 37	0 11	23 28	0 5	22 35	0 7	21 49	1 6	2 36	13 50	21 11	21 1	21 19		n.a.
S 19	18 50	3 7	4 41	23 27	2 6	14 2	0 52	15 52	0 4	23 38	0 11	23 28	0 5	22 34	0 7	21 49	1 6	2 35	13 50	21 13	21 1	21 19		n.a.
S 20	19 5	1s47	5 0	23 46	2 8	14 28	0 50	16 7	0 5	23 39	0 11	23 29	0 5	22 34	0 7	21 49	1 6	2 35	13 50	21 14	21 2	21 18		n.a.
M21	19 20	6 46	5 4	24 4	2 10	14 54	0 48	16 21	0 5	23 40	0 11	23 29	0 4	22 34	0 7	21 49	1 6	2 34	13 50	21 16	21 3	21 18		n.a.
T 22	19 35	11 33	4 49	24 20	2 11	15 19	0 46	16 35	0 6	23 41	0 12	23 29	0 4	22 33	0 7	21 48	1 6	2 33	13 50	21 18	21 3	21 18		n.a.
W23	19 49	15 48	4 17	24 34	2 12	15 43	0 44	16 48	0 7	23 42	0 12	23 29	0 4	22 33	0 7	21 48	1 6	2 33	13 51	21 20	21 4	21 17		n.a.
T 24	20 3	19 10	3 27	24 47	2 12	16 8	0 42	17 2	0 7	23 43	0 12	23 30	0 4	22 33	0 7	21 48	1 6	2 32	13 51	21 21	21 5	21 17		n.a.
F 25	20 17	21 19	2 23	24 59	2 12	16 32	0 39	17 15	0 8	23 43	0 12	23 30	0 4	22 32	0 7	21 48	1 6	2 32	13 51	21 22	21 5	21 17		n.a.
S 26	20 30	22 1	1 9	25 9	2 11	16 55	0 37	17 29	0 9	23 44	0 12	23 30	0 4	22 32	0 7	21 48	1 6	2 31	13 51	21 23	21 6	21 16		n.a.
S 27	20 43	21 14	0s 8	25 17	2 10	17 18	0 35	17 42	0 9	23 45	0 12	23 30	0 4	22 32	0 7	21 47	1 6	2 31	13 51	21 23	21 6	21 16		n.a.
M28	20 55	19 3	1 25	25 23	2 8	17 41	0 33	17 55	0 10	23 46	0 12	23 31	0 4	22 31	0 7	21 47	1 6	2 30	13 51	21 23	21 7	21 16		n.a.
T 29	21 7	15 44	2 35	25 27	2 5	18 3	0 30	18 8	0 10	23 47	0 12	23 31	0 4	22 31	0 7	21 47	1 6	2 29	13 52	21 23	21 8	21 15		n.a.
W30	21s18	11s36	3s34	25s30	2s 2	18s24	0n28	18s21	0s11	23s47	0s12	23n31	0s 4	22n31	0n 7	21n47	1s 6	2n29	13n52	21n23	21n 8	21n15		n.a.

Julian Day Number = 1635893.5, Delta T = 03h39m12s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'09, Lahiri = - 7°11'09 Julian Calendar 1 Nov. 235 BCE == Greg. Calendar 28 Oct. 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 235 BCE
geocentric

DECEMBER 235 BCE (-234) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 22 19	5♐36'38	22♓38	23♐22	24♏43	21♏33	24♐13	6°R 2	11°R15	15°R 2	26♎50	25°R 0	26♋16	25♋16	n.a.	T 1
F 2	4 26 15	6°37'53	6♈ 5	24°46	25°58	22°18	24°27	5♋58	11♊13	15♊ 0	26°52	24♋57	26°13	25°23	n.a.	F 2
S 3	4 30 12	7°39'08	19°18	26° 7	27°14	23° 3	24°41	5°54	11°10	14°58	26°54	24°51	26°10	25°29	n.a.	S 3
S 4	4 34 8	8°40'23	2♉19	27°26	28°29	23°47	24°54	5°50	11° 7	14°57	26°56	24°43	26° 7	25°36	n.a.	S 4
M 5	4 38 5	9°41'37	15° 7	28°40	29°45	24°32	25° 8	5°46	11° 5	14°55	26°57	24°35	26° 3	25°43	n.a.	M 5
T 6	4 42 2	10°42'52	27°43	29°51	1♐ 0	25°17	25°22	5°42	11° 2	14°53	26°59	24°26	26° 0	25°49	n.a.	T 6
W 7	4 45 58	11°44'05	10♊ 8	0♑57	2°16	26° 2	25°36	5°37	11° 0	14°51	27° 1	24°19	25°57	25°56	n.a.	W 7
T 8	4 49 55	12°45'19	22°21	1°57	3°31	26°48	25°50	5°33	10°57	14°50	27° 3	24°12	25°54	26° 3	n.a.	T 8
F 9	4 53 51	13°46'32	4♋24	2°51	4°47	27°33	26° 4	5°29	10°54	14°48	27° 5	24° 8	25°51	26° 9	n.a.	F 9
S 10	4 57 48	14°47'46	16°19	3°38	6° 2	28°18	26°18	5°24	10°52	14°46	27° 7	24° 6	25°47	26°16	n.a.	S 10
S 11	5 1 44	15°48'58	28° 7	4°17	7°18	29° 3	26°32	5°20	10°49	14°45	27° 9	24°D 6	25°44	26°23	n.a.	S 11
M12	5 5 41	16°50'11	9♌54	4°46	8°33	29°48	26°46	5°15	10°47	14°43	27°10	24° 7	25°41	26°29	n.a.	M12
T 13	5 9 38	17°51'23	21°42	5° 6	9°48	0♐34	27° 0	5°11	10°44	14°41	27°12	24° 9	25°38	26°36	n.a.	T 13
W14	5 13 34	18°52'35	3♍36	5°R15	11° 4	1°19	27°15	5° 6	10°42	14°40	27°14	24°10	25°35	26°43	n.a.	W14
T 15	5 17 31	19°53'47	15°42	5°13	12°19	2° 4	27°29	5° 1	10°39	14°38	27°15	24°R11	25°32	26°49	n.a.	T 15
F 16	5 21 27	20°54'58	28° 4	4°59	13°35	2°50	27°43	4°57	10°36	14°36	27°17	24°11	25°28	26°56	n.a.	F 16
S 17	5 25 24	21°56'09	10♎47	4°33	14°50	3°35	27°57	4°52	10°34	14°34	27°19	24°10	25°25	27° 2	n.a.	S 17
S 18	5 29 20	22°57'20	23°56	3°56	16° 5	4°21	28°11	4°47	10°31	14°33	27°20	24° 7	25°22	27° 9	n.a.	S 18
M19	5 33 17	23°58'30	7♏31	3° 8	17°21	5° 6	28°25	4°43	10°29	14°31	27°22	24° 2	25°19	27°16	n.a.	M19
T 20	5 37 13	24°59'40	21°35	2°11	18°36	5°52	28°39	4°38	10°26	14°29	27°23	23°58	25°16	27°22	n.a.	T 20
W21	5 41 10	26° 0'49	6♐ 3	1° 5	19°52	6°37	28°54	4°33	10°24	14°28	27°25	23°53	25°13	27°29	n.a.	W21
T 22	5 45 7	27° 1'57	20°51	29♐54	21° 7	7°23	29° 8	4°28	10°21	14°26	27°26	23°50	25° 9	27°36	n.a.	T 22
F 23	5 49 3	28° 3'05	5♑52	28°39	22°22	8° 9	29°22	4°23	10°19	14°24	27°28	23°48	25° 6	27°42	n.a.	F 23
S 24	5 53 0	29° 4'12	20°56	27°22	23°38	8°54	29°36	4°18	10°17	14°23	27°29	23°D47	25° 3	27°49	n.a.	S 24
S 25	5 56 56	0♑ 5'17	5♒54	26° 6	24°53	9°40	29°50	4°13	10°14	14°21	27°31	23°47	25° 0	27°56	n.a.	S 25
M26	6 0 53	1° 6'22	20°39	24°53	26° 8	10°26	0♑ 5	4° 8	10°12	14°20	27°32	23°48	24°57	28° 2	n.a.	M26
T 27	6 4 49	2° 7'25	5♓ 6	23°45	27°24	11°12	0°19	4° 3	10° 9	14°18	27°33	23°50	24°53	28° 9	n.a.	T 27
W28	6 8 46	3° 8'27	19°11	22°43	28°39	11°57	0°33	3°58	10° 7	14°16	27°35	23°51	24°50	28°16	n.a.	W28
T 29	6 12 42	4° 9'27	2♈55	21°48	29°54	12°43	0°47	3°54	10° 5	14°15	27°36	23°R51	24°47	28°22	n.a.	T 29
F 30	6 16 39	5°10'26	16°17	21° 2	1♑ 9	13°29	1° 1	3°49	10° 3	14°13	27°37	23°51	24°44	28°29	n.a.	F 30
S 31	6 20 36	6♑11'24	29♈21	20♐24	2♑25	14♐15	1♑16	3♋44	10♊ 0	14♊12	27♎38	23♋50	24♋41	28♋35	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s30	6s56	4s21	25s31	1s58	18s46	0n26	18s33	0s12	23s48	0s12	23n32	0s 3	22n30	0n 7	21n47	1s 6	2n28	13n52	21n23	21n 9	21n15		n.a.
F 2	21 40	2 1	4 52	25 30	1 53	19 6	0 23	18 46	0 12	23 49	0 13	23 32	0 3	22 30	0 7	21 47	1 6	2 28	13 52	21 24	21 9	21 14		n.a.
S 3	21 51	2n55	5 7	25 27	1 47	19 26	0 21	18 58	0 13	23 49	0 13	23 32	0 3	22 30	0 7	21 46	1 6	2 28	13 53	21 25	21 10	21 14		n.a.
S 4	22 1	7 38	5 5	25 22	1 40	19 46	0 18	19 10	0 14	23 50	0 13	23 32	0 3	22 29	0 7	21 46	1 6	2 27	13 53	21 26	21 11	21 14		n.a.
M 5	22 10	11 58	4 49	25 15	1 32	20 4	0 16	19 22	0 14	23 51	0 13	23 33	0 3	22 29	0 7	21 46	1 6	2 27	13 53	21 28	21 11	21 13		n.a.
T 6	22 19	15 42	4 18	25 7	1 24	20 23	0 14	19 33	0 15	23 51	0 13	23 33	0 3	22 29	0 7	21 46	1 6	2 26	13 53	21 29	21 12	21 13		n.a.
W 7	22 28	18 40	3 36	24 57	1 14	20 41	0 11	19 45	0 16	23 52	0 13	23 33	0 3	22 28	0 7	21 46	1 6	2 26	13 54	21 31	21 12	21 13		n.a.
T 8	22 36	20 46	2 44	24 45	1 3	20 58	0 9	19 56	0 16	23 52	0 13	23 34	0 3	22 28	0 7	21 45	1 6	2 25	13 54	21 32	21 13	21 12		n.a.
F 9	22 43	21 54	1 45	24 32	0 51	21 14	0 6	20 7	0 17	23 53	0 13	23 34	0 3	22 28	0 7	21 45	1 6	2 25	13 54	21 32	21 14	21 12		n.a.
S 10	22 51	22 1	0 42	24 18	0 38	21 30	0 4	20 18	0 18	23 54	0 13	23 34	0 2	22 27	0 7	21 45	1 6	2 25	13 54	21 33	21 14	21 11		n.a.
S 11	22 57	21 8	0n22	24 2	0 23	21 46	0 2	20 29	0 19	23 54	0 13	23 34	0 2	22 27	0 7	21 45	1 6	2 24	13 55	21 33	21 15	21 11		n.a.
M12	23 4	19 21	1 25	23 46	0 8	22 0	0s 1	20 40	0 19	23 54	0 14	23 35	0 2	22 26	0 7	21 45	1 6	2 24	13 55	21 33	21 15	21 11		n.a.
T 13	23 10	16 43	2 25	23 29	0n 9	22 14	0 3	20 50	0 20	23 55	0 14	23 35	0 2	22 26	0 7	21 45	1 6	2 24	13 55	21 32	21 16	21 10		n.a.
W14	23 15	13 23	3 19	23 11	0 26	22 28	0 6	21 0	0 21	23 55	0 14	23 35	0 2	22 26	0 7	21 44	1 6	2 23	13 56	21 32	21 17	21 10		n.a.
T 15	23 20	9 28	4 6	22 52	0 45	22 40	0 8	21 10	0 21	23 56	0 14	23 36	0 2	22 25	0 7	21 44	1 6	2 23	13 56	21 32	21 17	21 9		n.a.
F 16	23 24	5 4	4 42	22 34	1 4	22 52	0 10	21 20	0 22	23 56	0 14	23 36	0 2	22 25	0 7	21 44	1 6	2 23	13 56	21 32	21 18	21 9		n.a.
S 17	23 28	0 21	5 5	22 16	1 23	23 4	0 13	21 29	0 23	23 56	0 14	23 36	0 2	22 25	0 7	21 44	1 6	2 22	13 57	21 32	21 18	21 8		n.a.
S 18	23 32	4s32	5 13	21 58	1 42	23 14	0 15	21 39	0 23	23 57	0 14	23 36	0 2	22 24	0 7	21 44	1 6	2 22	13 57	21 33	21 19	21 8		n.a.
M19	23 35	9 23	5 5	21 40	2 1	23 24	0 18	21 48	0 24	23 57	0 14	23 37	0 1	22 24	0 7	21 43	1 6	2 22	13 57	21 33	21 20	21 8		n.a.
T 20	23 38	13 54	4 38	21 23	2 19	23 33	0 20	21 56	0 25	23 57	0 14	23 37	0 1	22 24	0 7	21 43	1 6	2 22	13 57	21 34	21 20	21 7		n.a.
W21	23 40	17 45	3 53	21 7	2 36	23 42	0 22	22 5	0 25	23 58	0 14	23 37	0 1	22 23	0 7	21 43	1 6	2 22	13 58	21 35	21 21	21 7		n.a.
T 22	23 41	20 33	2 51	20 53	2 51	23 50	0 24	22 14	0 26	23 58	0 15	23 38	0 1	22 23	0 7	21 43	1 6	2 21	13 58	21 36	21 21	21 6		n.a.
F 23	23 42	21 58	1 37	20 39	3 4	23 57	0 27	22 22	0 27	23 58	0 15	23 38	0 1	22 23	0 7	21 43	1 6	2 21	13 58	21 36	21 22	21 6		n.a.
S 24	23 43	21 49	0 16	20 27	3 15	24 3	0 29	22 30	0 27	23 58	0 15	23 38	0 1	22 22	0 7	21 43	1 6	2 21	13 59	21 36	21 22	21 5		n.a.
S 25	23 43	20 5	1s 6	20 16	3 23	24 8	0 31	22 37	0 28	23 58	0 15	23 38	0 1	22 22	0 7	21 42	1 6	2 21	13 59	21 36	21 23	21 5		n.a.
M26	23 43	17 2	2 23	20 8	3 30	24 13	0 33	22 45	0 29	23 58	0 15	23 39	0 1	22 21	0 7	21 42	1 6	2 21	14 0	21 36	21 24	21 4		n.a.
T 27	23 42	12 59	3 29	20 1	3 33	24 17	0 36	22 52	0 29	23 58	0 15	23 39	0 1	22 21	0 7	21 42	1 6	2 21	14 0	21 36	21 24	21 4		n.a.
W28	23 41	8 18	4 20	19 57	3 35	24 21	0 38	22 59	0 30	23 58	0 15	23 39	0 0	22 21	0 7	21 42	1 6	2 20	14 0	21 35	21 25	21 3		n.a.
T 29	23 39	3 20	4 55	19 55	3 34	24 23	0 40	23 6	0 31	23 58	0 15	23 39	0 0	22 20	0 7	21 42	1 6	2 20	14 1	21 35	21 25	21 3		n.a.
F 30	23 37	1n40	5 13	19 54	3 31	24 25	0 42	23 12	0 31	23 59	0 15	23 40	0 0	22 20	0 7	21 42	1 5	2 20	14 1	21 35	21 26	21 2		n.a.
S 31	23s35	6n28	5s15	19s56	3n27	24s26	0s44	23s19	0s32	23s58	0s16	23n40	0s 0	22n20	0n 7	21n41	1s 5	2n20	14n 1	21n36	21n27	21n 2		n.a.

Julian Day Number = 1635923.5, Delta T = 03h39m11s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'05, Lahiri = - 7°11'05 Julian Calendar 1 Dec. 235 BCE == Greg. Calendar 27 Nov. 235 BCE

The year -234 astronomical counting style corresponds to year 235 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

JANUARY 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 24 32	7♑12'20	12♉ 6	19°R56	3♑40	15♐ 1	1♑30	3°R39	9°R58	14°R10	27♎39	23°R48	24♋38	28♋42	n.a.	S 1
M 2	6 28 29	8°13'15	24°38	19♐35	4°55	15°47	1°44	3♋34	9♊56	14♊ 9	27°41	23♋45	24°34	28°49	n.a.	M 2
T 3	6 32 25	9°14'08	6♊57	19°24	6°10	16°33	1°58	3°29	9°54	14° 7	27°42	23°43	24°31	28°55	n.a.	T 3
W 4	6 36 22	10°15'00	19° 5	19°D20	7°26	17°19	2°12	3°24	9°51	14° 6	27°43	23°41	24°28	29° 2	n.a.	W 4
T 5	6 40 18	11°15'51	1♋ 6	19°24	8°41	18° 5	2°26	3°19	9°49	14° 4	27°44	23°39	24°25	29° 9	n.a.	T 5
F 6	6 44 15	12°16'40	13° 0	19°35	9°56	18°51	2°41	3°14	9°47	14° 3	27°45	23°38	24°22	29°15	n.a.	F 6
S 7	6 48 11	13°17'28	24°50	19°52	11°11	19°37	2°55	3° 9	9°45	14° 1	27°46	23°D38	24°19	29°22	n.a.	S 7
S 8	6 52 8	14°18'14	6♌38	20°16	12°26	20°23	3° 9	3° 5	9°43	14° 0	27°47	23°39	24°15	29°29	n.a.	S 8
M 9	6 56 5	15°18'59	18°26	20°45	13°42	21° 9	3°23	3° 0	9°41	13°58	27°48	23°39	24°12	29°35	n.a.	M 9
T 10	7 0 1	16°19'43	0♍17	21°19	14°57	21°55	3°37	2°55	9°39	13°57	27°48	23°40	24° 9	29°42	n.a.	T 10
W11	7 3 58	17°20'25	12°14	21°58	16°12	22°42	3°51	2°50	9°37	13°56	27°49	23°41	24° 6	29°49	n.a.	W11
T 12	7 7 54	18°21'06	24°21	22°41	17°27	23°28	4° 5	2°46	9°36	13°54	27°50	23°41	24° 3	29°55	n.a.	T 12
F 13	7 11 51	19°21'46	6♎42	23°28	18°42	24°14	4°19	2°41	9°34	13°53	27°51	23°42	23°59	0♌ 2	n.a.	F 13
S 14	7 15 47	20°22'25	19°21	24°19	19°57	25° 0	4°33	2°37	9°32	13°52	27°52	23°R42	23°56	0° 9	n.a.	S 14
S 15	7 19 44	21°23'02	2♏22	25°13	21°12	25°47	4°47	2°32	9°30	13°50	27°52	23°42	23°53	0°15	n.a.	S 15
M16	7 23 40	22°23'38	15°48	26°10	22°27	26°33	5° 1	2°27	9°28	13°49	27°53	23°42	23°50	0°22	n.a.	M16
T 17	7 27 37	23°24'12	29°41	27°10	23°42	27°19	5°15	2°23	9°27	13°48	27°54	23°D42	23°47	0°28	n.a.	T 17
W18	7 31 34	24°24'46	14♐ 1	28°12	24°57	28° 6	5°28	2°19	9°25	13°47	27°54	23°42	23°44	0°35	n.a.	W18
T 19	7 35 30	25°25'18	28°45	29°17	26°12	28°52	5°42	2°14	9°24	13°45	27°55	23°42	23°40	0°42	n.a.	T 19
F 20	7 39 27	26°25'48	13♑47	0♑24	27°27	29°39	5°56	2°10	9°22	13°44	27°55	23°42	23°37	0°48	n.a.	F 20
S 21	7 43 23	27°26'16	28°59	1°34	28°42	0♑25	6°10	2° 6	9°20	13°43	27°56	23°R42	23°34	0°55	n.a.	S 21
S 22	7 47 20	28°26'43	14♒12	2°45	29°57	1°11	6°23	2° 2	9°19	13°42	27°56	23°42	23°31	1° 2	n.a.	S 22
M23	7 51 16	29°27'08	29°15	3°58	1♒12	1°58	6°37	1°57	9°18	13°41	27°57	23°41	23°28	1° 8	n.a.	M23
T 24	7 55 13	0♒27'31	14♓ 1	5°13	2°27	2°44	6°51	1°53	9°16	13°40	27°57	23°41	23°25	1°15	n.a.	T 24
W25	7 59 10	1°27'52	28°24	6°29	3°42	3°31	7° 4	1°49	9°15	13°39	27°57	23°40	23°21	1°22	n.a.	W25
T 26	8 3 6	2°28'10	12♈21	7°47	4°57	4°17	7°18	1°46	9°14	13°38	27°58	23°39	23°18	1°28	n.a.	T 26
F 27	8 7 3	3°28'26	25°50	9° 7	6°12	5° 4	7°31	1°42	9°12	13°37	27°58	23°38	23°15	1°35	n.a.	F 27
S 28	8 10 59	4°28'41	8♉54	10°28	7°27	5°50	7°45	1°38	9°11	13°36	27°58	23°D38	23°12	1°42	n.a.	S 28
S 29	8 14 56	5°28'53	21°36	11°50	8°42	6°37	7°58	1°34	9°10	13°35	27°58	23°39	23° 9	1°48	n.a.	S 29
M30	8 18 52	6°29'03	4♊ 0	13°14	9°57	7°23	8°12	1°31	9° 9	13°34	27°58	23°40	23° 5	1°55	n.a.	M30
T 31	8 22 49	7♒29'10	16♊ 9	14♑39	11♒12	8♑10	8♑25	1♋27	9♊ 8	13♊33	27♎59	23♋41	23♋ 2	2♌ 2	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23 s31	10n53	5 s 0	20 s 0	3n21	24 s26	0 s46	23 s25	0 s33	23 s58	0 s16	23n40	0 s 0	22n19	0n 7	21n41	1 s 5	2n20	14n 2	21n36	21n27	21n 1			n.a.
M 2	23 28	14 46	4 32	20 5	3 14	24 26	0 48	23 30	0 33	23 58	0 16	23 41	0n 0	22 19	0 7	21 41	1 5	2 20	14 2	21 36	21 28	21 1			n.a.
T 3	23 24	17 56	3 51	20 12	3 6	24 24	0 50	23 36	0 34	23 58	0 16	23 41	0 0	22 19	0 7	21 41	1 5	2 20	14 3	21 37	21 28	21 0			n.a.
W 4	23 19	20 17	3 0	20 21	2 57	24 22	0 52	23 41	0 35	23 58	0 16	23 41	0 0	22 19	0 7	21 41	1 5	2 20	14 3	21 37	21 29	21 0			n.a.
T 5	23 14	21 41	2 2	20 31	2 48	24 20	0 54	23 46	0 35	23 58	0 16	23 41	0 0	22 18	0 7	21 41	1 5	2 20	14 3	21 37	21 29	20 59			n.a.
F 6	23 9	22 6	0 59	20 41	2 38	24 16	0 55	23 51	0 36	23 58	0 16	23 41	0 1	22 18	0 7	21 41	1 5	2 20	14 4	21 38	21 30	20 59			n.a.
S 7	23 3	21 31	0n 7	20 53	2 27	24 12	0 57	23 55	0 37	23 58	0 16	23 42	0 1	22 18	0 7	21 40	1 5	2 20	14 4	21 38	21 31	20 58			n.a.
S 8	22 57	19 59	1 12	21 5	2 17	24 7	0 59	23 59	0 37	23 57	0 16	23 42	0 1	22 17	0 7	21 40	1 5	2 20	14 4	21 38	21 31	20 58			n.a.
M 9	22 50	17 36	2 14	21 18	2 6	24 1	1 1	24 3	0 38	23 57	0 17	23 42	0 1	22 17	0 7	21 40	1 5	2 20	14 5	21 37	21 32	20 57			n.a.
T 10	22 43	14 28	3 10	21 31	1 55	23 54	1 2	24 7	0 38	23 57	0 17	23 42	0 1	22 17	0 7	21 40	1 5	2 20	14 5	21 37	21 32	20 56			n.a.
W11	22 35	10 43	3 59	21 44	1 44	23 47	1 4	24 10	0 39	23 57	0 17	23 43	0 1	22 16	0 7	21 40	1 5	2 20	14 6	21 37	21 33	20 56			n.a.
T 12	22 27	6 30	4 38	21 58	1 33	23 39	1 5	24 13	0 40	23 56	0 17	23 43	0 1	22 16	0 7	21 40	1 5	2 21	14 6	21 37	21 33	20 55			n.a.
F 13	22 18	1 58	5 4	22 11	1 23	23 30	1 7	24 16	0 40	23 56	0 17	23 43	0 1	22 16	0 7	21 40	1 5	2 21	14 7	21 37	21 34	20 55			n.a.
S 14	22 9	2 s46	5 17	22 24	1 12	23 21	1 8	24 19	0 41	23 56	0 17	23 43	0 1	22 16	0 7	21 39	1 5	2 21	14 7	21 37	21 34	20 54			n.a.
S 15	22 0	7 31	5 15	22 37	1 2	23 11	1 10	24 21	0 42	23 55	0 17	23 43	0 2	22 15	0 7	21 39	1 5	2 21	14 7	21 37	21 35	20 54			n.a.
M16	21 50	12 4	4 55	22 49	0 51	23 0	1 11	24 23	0 42	23 55	0 17	23 44	0 2	22 15	0 7	21 39	1 5	2 21	14 8	21 37	21 36	20 53			n.a.
T 17	21 40	16 8	4 18	23 0	0 41	22 48	1 12	24 25	0 43	23 54	0 17	23 44	0 2	22 15	0 7	21 39	1 5	2 21	14 8	21 37	21 36	20 52			n.a.
W18	21 29	19 23	3 23	23 11	0 31	22 36	1 14	24 26	0 44	23 54	0 18	23 44	0 2	22 15	0 7	21 39	1 5	2 21	14 9	21 37	21 37	20 52			n.a.
T 19	21 18	21 28	2 15	23 22	0 21	22 23	1 15	24 27	0 44	23 54	0 18	23 44	0 2	22 14	0 7	21 39	1 5	2 22	14 9	21 37	21 37	20 51			n.a.
F 20	21 7	22 5	0 55	23 31	0 12	22 9	1 16	24 28	0 45	23 53	0 18	23 44	0 2	22 14	0 7	21 39	1 5	2 22	14 9	21 37	21 38	20 51			n.a.
S 21	20 55	21 5	0 s29	23 40	0 3	21 55	1 17	24 29	0 46	23 53	0 18	23 45	0 2	22 14	0 7	21 39	1 5	2 22	14 10	21 37	21 38	20 50			n.a.
S 22	20 43	18 33	1 52	23 48	0 s 6	21 40	1 18	24 29	0 46	23 52	0 18	23 45	0 2	22 14	0 7	21 39	1 5	2 22	14 10	21 37	21 39	20 49			n.a.
M23	20 30	14 45	3 5	23 55	0 15	21 25	1 19	24 29	0 47	23 51	0 18	23 45	0 2	22 14	0 7	21 38	1 5	2 23	14 11	21 37	21 39	20 49			n.a.
T 24	20 17	10 7	4 5	24 1	0 24	21 8	1 20	24 29	0 47	23 51	0 18	23 45	0 2	22 13	0 7	21 38	1 5	2 23	14 11	21 37	21 40	20 48			n.a.
W25	20 4	5 2	4 48	24 6	0 32	20 52	1 21	24 29	0 48	23 50	0 18	23 45	0 3	22 13	0 7	21 38	1 5	2 23	14 11	21 37	21 41	20 48			n.a.
T 26	19 50	0n10	5 12	24 9	0 40	20 34	1 21	24 28	0 49	23 50	0 19	23 45	0 3	22 13	0 7	21 38	1 5	2 23	14 12	21 37	21 41	20 47			n.a.
F 27	19 36	5 10	5 17	24 12	0 47	20 16	1 22	24 27	0 49	23 49	0 19	23 45	0 3	22 13	0 7	21 38	1 5	2 24	14 12	21 38	21 42	20 46			n.a.
S 28	19 22	9 48	5 7	24 13	0 55	19 58	1 23	24 25	0 50	23 48	0 19	23 46	0 3	22 13	0 7	21 38	1 5	2 24	14 13	21 38	21 42	20 46			n.a.
S 29	19 7	13 52	4 41	24 13	1 2	19 38	1 23	24 24	0 51	23 48	0 19	23 46	0 3	22 12	0 7	21 38	1 5	2 24	14 13	21 37	21 43	20 45			n.a.
M30	18 52	17 14	4 2	24 12	1 9	19 19	1 24	24 22	0 51	23 47	0 19	23 46	0 3	22 12	0 7	21 38	1 4	2 25	14 14	21 37	21 43	20 44			n.a.
T 31	18 s37	19n47	3 s14	24 s 9	1 s15	18 s58	1 s24	24 s20	0 s52	23 s46	0 s19	23n46	0n 3	22n12	0n 7	21n38	1 s 4	2n25	14n14	21n37	21n44	20n44			n.a.

Julian Day Number = 1635954.5, Delta T = 03h39m10s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°18'01, Lahiri = - 7°11'00 Julian Calendar 1 Jan. 234 BCE == Greg. Calendar 28 Dec. 235 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

FEBRUARY 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 26 45	8♒29'16	28♊ 8	16♑ 5	12♒26	8♑57	8♑38	1°R24	9°R 7	13°R32	27♎59	23♋42	22♋59	2♌ 8	n.a.	W 1
T 2	8 30 42	9°29'20	10♋ 0	17°32	13°41	9°43	8°52	1♋20	9♊ 6	13♊31	27°59	23°43	22°56	2°15	n.a.	T 2
F 3	8 34 38	10°29'21	21°48	19° 1	14°56	10°30	9° 5	1°17	9° 5	13°31	27°R59	23°R44	22°53	2°21	n.a.	F 3
S 4	8 38 35	11°29'20	3♌35	20°31	16°11	11°16	9°18	1°14	9° 4	13°30	27°59	23°44	22°50	2°28	n.a.	S 4
S 5	8 42 32	12°29'17	15°24	22° 2	17°26	12° 3	9°31	1°11	9° 4	13°29	27°59	23°42	22°46	2°35	n.a.	S 5
M 6	8 46 28	13°29'12	27°16	23°34	18°40	12°50	9°44	1° 8	9° 3	13°28	27°59	23°40	22°43	2°41	n.a.	M 6
T 7	8 50 25	14°29'06	9♍14	25° 7	19°55	13°36	9°57	1° 5	9° 2	13°28	27°59	23°37	22°40	2°48	n.a.	T 7
W 8	8 54 21	15°28'57	21°19	26°42	21°10	14°23	10°10	1° 2	9° 2	13°27	27°58	23°33	22°37	2°55	n.a.	W 8
T 9	8 58 18	16°28'46	3♎34	28°18	22°24	15° 9	10°23	0°59	9° 1	13°27	27°58	23°30	22°34	3° 1	n.a.	T 9
F 10	9 2 14	17°28'33	16° 1	29°55	23°39	15°56	10°35	0°57	9° 1	13°26	27°58	23°26	22°31	3° 8	n.a.	F 10
S 11	9 6 11	18°28'19	28°43	1♒33	24°54	16°43	10°48	0°54	9° 0	13°25	27°58	23°24	22°27	3°15	n.a.	S 11
S 12	9 10 7	19°28'02	11♏41	3°12	26° 8	17°29	11° 1	0°52	9° 0	13°25	27°57	23°23	22°24	3°21	n.a.	S 12
M13	9 14 4	20°27'44	25° 1	4°53	27°23	18°16	11°13	0°50	8°59	13°24	27°57	23°D22	22°21	3°28	n.a.	M13
T 14	9 18 1	21°27'24	8♐42	6°34	28°37	19° 3	11°26	0°47	8°59	13°24	27°57	23°23	22°18	3°35	n.a.	T 14
W15	9 21 57	22°27'03	22°47	8°17	29°52	19°49	11°38	0°45	8°59	13°24	27°56	23°25	22°15	3°41	n.a.	W15
T 16	9 25 54	23°26'39	7♑14	10° 1	1♓ 7	20°36	11°51	0°43	8°58	13°23	27°56	23°26	22°11	3°48	n.a.	T 16
F 17	9 29 50	24°26'14	22° 2	11°47	2°21	21°23	12° 3	0°41	8°58	13°23	27°55	23°R27	22° 8	3°55	n.a.	F 17
S 18	9 33 47	25°25'47	7♒ 4	13°33	3°36	22°10	12°15	0°39	8°58	13°23	27°55	23°26	22° 5	4° 1	n.a.	S 18
S 19	9 37 43	26°25'17	22°12	15°21	4°50	22°56	12°27	0°38	8°D58	13°22	27°54	23°24	22° 2	4° 8	n.a.	S 19
M20	9 41 40	27°24'46	7♓18	17°10	6° 5	23°43	12°39	0°36	8°58	13°22	27°54	23°20	21°59	4°15	n.a.	M20
T 21	9 45 36	28°24'12	22°12	19° 1	7°19	24°30	12°51	0°35	8°58	13°22	27°53	23°15	21°56	4°21	n.a.	T 21
W22	9 49 33	29°23'36	6♈45	20°52	8°33	25°16	13° 3	0°33	8°58	13°22	27°53	23°10	21°52	4°28	n.a.	W22
T 23	9 53 30	0♓22'57	20°52	22°45	9°48	26° 3	13°15	0°32	8°59	13°22	27°52	23° 4	21°49	4°34	n.a.	T 23
F 24	9 57 26	1°22'16	4♉31	24°40	11° 2	26°49	13°27	0°31	8°59	13°22	27°51	23° 0	21°46	4°41	n.a.	F 24
S 25	10 1 23	2°21'33	17°42	26°35	12°17	27°36	13°39	0°30	8°59	13°21	27°51	22°57	21°43	4°48	n.a.	S 25
S 26	10 5 19	3°20'47	0♊27	28°32	13°31	28°23	13°50	0°29	8°59	13°21	27°50	22°D56	21°40	4°54	n.a.	S 26
M27	10 9 16	4°19'59	12°50	0♓30	14°45	29° 9	14° 2	0°28	9° 0	13°D21	27°49	22°56	21°36	5° 1	n.a.	M27
T 28	10 13 12	5♓19'09	24♊57	2♓29	16♓ 0	29♑56	14♑13	0♋27	9♊ 0	13♊21	27♎48	22♋58	21♋33	5♌ 8	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s21	21n25	2s17	24s 5	1s21	18s38	1s25	24s17	0s52	23s46	0s19	23n46	0n 3	22n12	0n 7	21n38	1s 4	2n25	14n14	21n37	21n44	20n43		n.a.
T 2	18 5	22 5	1 15	24 0	1 27	18 16	1 25	24 14	0 53	23 45	0 19	23 46	0 3	22 12	0 7	21 38	1 4	2 26	14 15	21 37	21 45	20 42		n.a.
F 3	17 49	21 45	0 11	23 53	1 32	17 54	1 25	24 11	0 53	23 44	0 20	23 47	0 4	22 12	0 7	21 38	1 4	2 26	14 15	21 37	21 45	20 42		n.a.
S 4	17 32	20 28	0n54	23 44	1 37	17 32	1 26	24 8	0 54	23 43	0 20	23 47	0 4	22 12	0 7	21 38	1 4	2 26	14 16	21 37	21 46	20 41		n.a.
S 5	17 15	18 16	1 57	23 34	1 42	17 9	1 26	24 5	0 55	23 42	0 20	23 47	0 4	22 11	0 7	21 38	1 4	2 27	14 16	21 37	21 46	20 40		n.a.
M 6	16 58	15 18	2 55	23 23	1 46	16 46	1 26	24 1	0 55	23 42	0 20	23 47	0 4	22 11	0 7	21 38	1 4	2 27	14 16	21 37	21 47	20 40		n.a.
T 7	16 41	11 40	3 46	23 10	1 50	16 22	1 26	23 57	0 56	23 41	0 20	23 47	0 4	22 11	0 7	21 37	1 4	2 28	14 17	21 38	21 48	20 39		n.a.
W 8	16 23	7 33	4 27	22 56	1 54	15 58	1 26	23 52	0 56	23 40	0 20	23 47	0 4	22 11	0 7	21 37	1 4	2 28	14 17	21 38	21 48	20 38		n.a.
T 9	16 5	3 5	4 56	22 40	1 57	15 34	1 26	23 48	0 57	23 39	0 20	23 47	0 4	22 11	0 7	21 37	1 4	2 29	14 18	21 39	21 49	20 37		n.a.
F 10	15 47	1s35	5 12	22 22	2 0	15 9	1 26	23 43	0 58	23 38	0 21	23 47	0 4	22 11	0 7	21 37	1 4	2 29	14 18	21 40	21 49	20 37		n.a.
S 11	15 28	6 16	5 13	22 2	2 3	14 43	1 25	23 37	0 58	23 37	0 21	23 48	0 4	22 11	0 7	21 37	1 4	2 29	14 18	21 40	21 50	20 36		n.a.
S 12	15 9	10 47	4 59	21 41	2 5	14 17	1 25	23 32	0 59	23 36	0 21	23 48	0 4	22 11	0 7	21 37	1 4	2 30	14 19	21 40	21 50	20 35		n.a.
M13	14 50	14 54	4 28	21 19	2 6	13 51	1 25	23 26	0 59	23 35	0 21	23 48	0 5	22 11	0 7	21 37	1 4	2 30	14 19	21 40	21 51	20 35		n.a.
T 14	14 31	18 22	3 42	20 54	2 7	13 24	1 24	23 20	1 0	23 34	0 21	23 48	0 5	22 11	0 7	21 37	1 4	2 31	14 20	21 40	21 51	20 34		n.a.
W15	14 12	20 51	2 41	20 28	2 8	12 58	1 24	23 14	1 0	23 34	0 21	23 48	0 5	22 11	0 7	21 37	1 4	2 31	14 20	21 40	21 52	20 33		n.a.
T 16	13 52	22 4	1 28	20 0	2 8	12 30	1 23	23 7	1 1	23 33	0 21	23 48	0 5	22 11	0 7	21 37	1 4	2 32	14 20	21 40	21 52	20 32		n.a.
F 17	13 32	21 46	0 8	19 31	2 8	12 3	1 23	23 1	1 1	23 32	0 22	23 48	0 5	22 11	0 7	21 37	1 4	2 32	14 21	21 40	21 53	20 32		n.a.
S 18	13 12	19 55	1s14	18 59	2 8	11 35	1 22	22 54	1 2	23 31	0 22	23 48	0 5	22 11	0 7	21 37	1 4	2 33	14 21	21 40	21 53	20 31		n.a.
S 19	12 51	16 39	2 31	18 26	2 6	11 7	1 21	22 46	1 2	23 30	0 22	23 48	0 5	22 11	0 7	21 37	1 4	2 33	14 22	21 40	21 54	20 30		n.a.
M20	12 31	12 17	3 37	17 51	2 5	10 38	1 21	22 39	1 3	23 29	0 22	23 49	0 5	22 11	0 7	21 37	1 4	2 34	14 22	21 41	21 54	20 29		n.a.
T 21	12 10	7 13	4 27	17 14	2 3	10 9	1 20	22 31	1 3	23 28	0 22	23 49	0 5	22 11	0 7	21 37	1 3	2 35	14 22	21 42	21 55	20 29		n.a.
W22	11 49	1 52	4 59	16 36	2 0	9 40	1 19	22 23	1 4	23 27	0 22	23 49	0 5	22 11	0 7	21 37	1 3	2 35	14 23	21 43	21 55	20 28		n.a.
T 23	11 28	3n26	5 11	15 56	1 57	9 11	1 18	22 15	1 4	23 26	0 22	23 49	0 6	22 11	0 7	21 37	1 3	2 36	14 23	21 43	21 56	20 27		n.a.
F 24	11 7	8 23	5 5	15 14	1 53	8 42	1 17	22 6	1 5	23 25	0 23	23 49	0 6	22 11	0 7	21 37	1 3	2 36	14 23	21 44	21 56	20 26		n.a.
S 25	10 45	12 47	4 43	14 30	1 49	8 12	1 16	21 57	1 5	23 24	0 23	23 49	0 6	22 11	0 7	21 38	1 3	2 37	14 24	21 45	21 57	20 25		n.a.
S 26	10 24	16 27	4 8	13 45	1 44	7 42	1 15	21 48	1 6	23 22	0 23	23 49	0 6	22 11	0 7	21 38	1 3	2 37	14 24	21 45	21 57	20 25		n.a.
M27	10 2	19 17	3 21	12 58	1 39	7 12	1 13	21 39	1 6	23 21	0 23	23 49	0 6	22 11	0 7	21 38	1 3	2 38	14 24	21 45	21 58	20 24		n.a.
T 28	9s40	21n11	2s27	12s 9	1s33	6s42	1s12	21s30	1s 7	23s20	0s23	23n49	0n 6	22n11	0n 7	21n38	1s 3	2n39	14n25	21n45	21n58	20n23		n.a.

Julian Day Number = 1635985.5, Delta T = 03h39m09s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'57, Lahiri = - 7°10'56 Julian Calendar 1 Feb. 234 BCE == Greg. Calendar 28 Jan. 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

MARCH 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 17 9	6♓18'16	6♋53	4♓29	17♓14	0♒43	14♑25	0°R26	9♊ 1	13♊21	27°R47	22♋59	21♋30	5♌14	n.a.	W 1
T 2	10 21 5	7°17'21	18°41	6°31	18°28	1°29	14°36	0♋26	9° 1	13°22	27♎47	23°R 0	21°27	5°21	n.a.	T 2
F 3	10 25 2	8°16'23	0♌28	8°33	19°42	2°16	14°47	0°25	9° 2	13°22	27°46	23° 0	21°24	5°28	n.a.	F 3
S 4	10 28 58	9°15'23	12°16	10°36	20°56	3° 2	14°58	0°25	9° 3	13°22	27°45	22°58	21°21	5°34	n.a.	S 4
S 5	10 32 55	10°14'21	24° 8	12°40	22°11	3°49	15° 9	0°25	9° 3	13°22	27°44	22°54	21°17	5°41	n.a.	S 5
M 6	10 36 52	11°13'17	6♍ 8	14°44	23°25	4°35	15°20	0°D25	9° 4	13°22	27°43	22°47	21°14	5°48	n.a.	M 6
T 7	10 40 48	12°12'10	18°16	16°49	24°39	5°22	15°31	0°25	9° 5	13°23	27°42	22°39	21°11	5°54	n.a.	T 7
W 8	10 44 45	13°11'01	0♎35	18°53	25°53	6° 9	15°41	0°25	9° 6	13°23	27°41	22°30	21° 8	6° 1	n.a.	W 8
T 9	10 48 41	14° 9'51	13° 4	20°58	27° 7	6°55	15°52	0°25	9° 7	13°23	27°40	22°20	21° 5	6° 8	n.a.	T 9
F 10	10 52 38	15° 8'38	25°45	23° 2	28°21	7°42	16° 2	0°25	9° 8	13°24	27°39	22°12	21° 2	6°14	n.a.	F 10
S 11	10 56 34	16° 7'23	8♏38	25° 5	29°35	8°28	16°13	0°26	9° 9	13°24	27°38	22° 4	20°58	6°21	n.a.	S 11
S 12	11 0 31	17° 6'07	21°44	27° 7	0♈49	9°15	16°23	0°26	9°10	13°24	27°36	21°59	20°55	6°27	n.a.	S 12
M13	11 4 27	18° 4'49	5♐ 6	29° 8	2° 3	10° 1	16°33	0°27	9°11	13°25	27°35	21°56	20°52	6°34	n.a.	M13
T 14	11 8 24	19° 3'29	18°43	1♈ 7	3°17	10°47	16°43	0°28	9°12	13°25	27°34	21°D56	20°49	6°41	n.a.	T 14
W15	11 12 21	20° 2'07	2♑37	3° 4	4°31	11°34	16°53	0°29	9°13	13°26	27°33	21°56	20°46	6°47	n.a.	W15
T 16	11 16 17	21° 0'44	16°48	4°58	5°45	12°20	17° 3	0°30	9°14	13°26	27°32	21°R57	20°42	6°54	n.a.	T 16
F 17	11 20 14	21°59'19	1♒16	6°50	6°59	13° 7	17°12	0°31	9°16	13°27	27°30	21°56	20°39	7° 1	n.a.	F 17
S 18	11 24 10	22°57'52	15°57	8°38	8°12	13°53	17°22	0°32	9°17	13°28	27°29	21°54	20°36	7° 7	n.a.	S 18
S 19	11 28 7	23°56'23	0♓47	10°23	9°26	14°39	17°31	0°33	9°18	13°28	27°28	21°50	20°33	7°14	n.a.	S 19
M20	11 32 3	24°54'52	15°37	12° 5	10°40	15°26	17°41	0°35	9°20	13°29	27°27	21°42	20°30	7°21	n.a.	M20
T 21	11 36 0	25°53'20	0♈21	13°42	11°54	16°12	17°50	0°36	9°21	13°30	27°25	21°33	20°27	7°27	n.a.	T 21
W22	11 39 56	26°51'45	14°50	15°16	13° 7	16°58	17°59	0°38	9°23	13°31	27°24	21°23	20°23	7°34	n.a.	W22
T 23	11 43 53	27°50'08	28°57	16°45	14°21	17°44	18° 8	0°40	9°25	13°31	27°23	21°13	20°20	7°41	n.a.	T 23
F 24	11 47 49	28°48'29	12♉38	18°10	15°35	18°31	18°17	0°41	9°26	13°32	27°21	21° 4	20°17	7°47	n.a.	F 24
S 25	11 51 46	29°46'49	25°52	19°30	16°49	19°17	18°26	0°43	9°28	13°33	27°20	20°57	20°14	7°54	n.a.	S 25
S 26	11 55 43	0♈45'06	8♊41	20°45	18° 2	20° 3	18°34	0°45	9°30	13°34	27°18	20°53	20°11	8° 1	n.a.	S 26
M27	11 59 39	1°43'21	21° 7	21°56	19°16	20°49	18°43	0°48	9°32	13°35	27°17	20°51	20° 8	8° 7	n.a.	M27
T 28	12 3 36	2°41'33	3♋16	23° 2	20°29	21°35	18°51	0°50	9°33	13°36	27°15	20°D50	20° 4	8°14	n.a.	T 28
W29	12 7 32	3°39'44	15°12	24° 3	21°43	22°21	18°59	0°52	9°35	13°37	27°14	20°R51	20° 1	8°21	n.a.	W29
T 30	12 11 29	4°37'53	27° 1	24°58	22°56	23° 7	19° 7	0°55	9°37	13°38	27°12	20°51	19°58	8°27	n.a.	T 30
F 31	12 15 25	5♈35'59	8♌48	25♈49	24♈10	23♒53	19♑15	0♋57	9♊39	13♊39	27♎11	20♋49	19♋55	8♌34	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	9s18	22n 6	1s27	11s19	1s26	6s11	1s11	21s20	1s 7	23s19	0s23	23n49	0n 6	22n11	0n 7	21n38	1s 3	2n39	14n25	21n44	21n59	20n22			n.a.
T 2	8 56	22 1	0 23	10 27	1 19	5 41	1 9	21 10	1 8	23 18	0 24	23 50	0 6	22 11	0 7	21 38	1 3	2 40	14 25	21 44	21 59	20 21			n.a.
F 3	8 34	20 57	0n40	9 34	1 12	5 10	1 8	21 0	1 8	23 17	0 24	23 50	0 6	22 11	0 7	21 38	1 3	2 40	14 26	21 44	22 0	20 21			n.a.
S 4	8 12	18 58	1 42	8 39	1 4	4 39	1 7	20 49	1 9	23 16	0 24	23 50	0 6	22 11	0 7	21 38	1 3	2 41	14 26	21 44	22 0	20 20			n.a.
S 5	7 49	16 9	2 40	7 44	0 55	4 8	1 5	20 39	1 9	23 15	0 24	23 50	0 6	22 11	0 7	21 38	1 3	2 42	14 26	21 45	22 1	20 19			n.a.
M 6	7 26	12 38	3 31	6 47	0 46	3 37	1 3	20 28	1 10	23 14	0 24	23 50	0 7	22 12	0 7	21 38	1 3	2 42	14 27	21 46	22 1	20 18			n.a.
T 7	7 4	8 34	4 14	5 49	0 36	3 6	1 2	20 17	1 10	23 13	0 24	23 50	0 7	22 12	0 7	21 38	1 3	2 43	14 27	21 48	22 2	20 17			n.a.
W 8	6 41	4 7	4 45	4 51	0 26	2 34	1 0	20 6	1 10	23 12	0 25	23 50	0 7	22 12	0 7	21 38	1 3	2 43	14 27	21 49	22 2	20 16			n.a.
T 9	6 18	0s35	5 2	3 52	0 16	2 3	0 58	19 54	1 11	23 11	0 25	23 50	0 7	22 12	0 7	21 38	1 3	2 44	14 28	21 51	22 3	20 16			n.a.
F 10	5 55	5 19	5 6	2 52	0 5	1 32	0 56	19 43	1 11	23 10	0 25	23 50	0 7	22 12	0 7	21 38	1 3	2 45	14 28	21 52	22 3	20 15			n.a.
S 11	5 32	9 55	4 54	1 53	0n 6	1 0	0 55	19 31	1 12	23 8	0 25	23 50	0 7	22 12	0 7	21 38	1 3	2 45	14 28	21 53	22 4	20 14			n.a.
S 12	5 9	14 8	4 26	0 53	0 17	0 29	0 53	19 19	1 12	23 7	0 25	23 50	0 7	22 12	0 7	21 39	1 3	2 46	14 28	21 54	22 4	20 13			n.a.
M13	4 46	17 44	3 44	0n 6	0 29	0n 3	0 51	19 6	1 12	23 6	0 25	23 51	0 7	22 13	0 7	21 39	1 3	2 47	14 29	21 55	22 5	20 12			n.a.
T 14	4 23	20 26	2 48	1 4	0 40	0 34	0 49	18 54	1 13	23 5	0 26	23 51	0 7	22 13	0 7	21 39	1 3	2 47	14 29	21 55	22 5	20 11			n.a.
W15	4 0	22 0	1 42	2 1	0 52	1 6	0 47	18 41	1 13	23 4	0 26	23 51	0 7	22 13	0 7	21 39	1 2	2 48	14 29	21 55	22 6	20 10			n.a.
T 16	3 36	22 12	0 28	2 58	1 3	1 37	0 45	18 29	1 14	23 3	0 26	23 51	0 7	22 13	0 7	21 39	1 2	2 49	14 29	21 55	22 6	20 9			n.a.
F 17	3 13	20 55	0s50	3 53	1 15	2 9	0 43	18 16	1 14	23 2	0 26	23 51	0 8	22 13	0 7	21 39	1 2	2 49	14 30	21 55	22 7	20 9			n.a.
S 18	2 49	18 13	2 5	4 46	1 26	2 40	0 40	18 2	1 14	23 1	0 26	23 51	0 8	22 14	0 7	21 39	1 2	2 50	14 30	21 55	22 7	20 8			n.a.
S 19	2 26	14 19	3 12	5 38	1 36	3 12	0 38	17 49	1 15	23 0	0 27	23 51	0 8	22 14	0 7	21 39	1 2	2 51	14 30	21 56	22 8	20 7			n.a.
M20	2 3	9 30	4 6	6 28	1 47	3 43	0 36	17 36	1 15	22 59	0 27	23 51	0 8	22 14	0 7	21 40	1 2	2 51	14 30	21 57	22 8	20 6			n.a.
T 21	1 39	4 11	4 43	7 15	1 56	4 14	0 34	17 22	1 15	22 58	0 27	23 51	0 8	22 14	0 7	21 40	1 2	2 52	14 30	21 58	22 9	20 5			n.a.
W22	1 16	1n17	5 1	8 0	2 6	4 45	0 32	17 8	1 16	22 57	0 27	23 51	0 8	22 15	0 7	21 40	1 2	2 52	14 31	22 0	22 9	20 4			n.a.
T 23	0 52	6 33	5 1	8 43	2 14	5 17	0 29	16 54	1 16	22 56	0 27	23 51	0 8	22 15	0 7	21 40	1 2	2 53	14 31	22 2	22 10	20 3			n.a.
F 24	0 29	11 20	4 43	9 23	2 22	5 47	0 27	16 40	1 16	22 55	0 27	23 51	0 8	22 15	0 7	21 40	1 2	2 54	14 31	22 3	22 10	20 2			n.a.
S 25	0 5	15 25	4 9	10 1	2 29	6 18	0 24	16 26	1 17	22 54	0 28	23 51	0 8	22 15	0 7	21 40	1 2	2 54	14 31	22 4	22 11	20 1			n.a.
S 26	0n18	18 38	3 25	10 36	2 36	6 49	0 22	16 11	1 17	22 53	0 28	23 52	0 8	22 16	0 7	21 40	1 2	2 55	14 31	22 5	22 11	20 0			n.a.
M27	0 42	20 54	2 31	11 8	2 42	7 19	0 20	15 57	1 17	22 52	0 28	23 52	0 8	22 16	0 7	21 41	1 2	2 56	14 31	22 5	22 12	19 59			n.a.
T 28	1 5	22 9	1 32	11 37	2 46	7 50	0 17	15 42	1 18	22 51	0 28	23 52	0 8	22 16	0 7	21 41	1 2	2 56	14 32	22 5	22 12	19 58			n.a.
W29	1 28	22 21	0 30	12 4	2 50	8 20	0 15	15 27	1 18	22 50	0 28	23 52	0 9	22 16	0 7	21 41	1 2	2 57	14 32	22 5	22 13	19 57			n.a.
T 30	1 52	21 32	0n33	12 27	2 53	8 50	0 12	15 12	1 18	22 49	0 29	23 52	0 9	22 17	0 7	21 41	1 2	2 58	14 32	22 5	22 13	19 56			n.a.
F 31	2n15	19n47	1n34	12n48	2n55	9n20	0s10	14s57	1s18	22s48	0s29	23n52	0n 9	22n17	0n 7	21n41	1s 2	2n58	14n32	22n 5	22n14	19n56			n.a.

Julian Day Number = 1636013.5, Delta T = 03h39m08s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'53, Lahiri = - 7°10'52 Julian Calendar 1 March 234 BCE == Greg. Calendar 25 Feb. 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

APRIL 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 19 22	6♈34'03	20♌38	26♈34	25♈23	24♒39	19♑23	1♋ 0	9♊41	13♊40	27°R 9	20°R46	19♋52	8♌41	n.a.	S 1
S 2	12 23 18	7°32'06	2♍36	27°14	26°37	25°25	19°31	1° 3	9°43	13°41	27♎ 8	20♋39	19°48	8°47	n.a.	S 2
M 3	12 27 15	8°30'06	14°44	27°49	27°50	26°11	19°38	1° 5	9°45	13°42	27° 6	20°31	19°45	8°54	n.a.	M 3
T 4	12 31 12	9°28'05	27° 4	28°19	29° 3	26°57	19°45	1° 8	9°47	13°43	27° 5	20°20	19°42	9° 0	n.a.	T 4
W 5	12 35 8	10°26'02	9♎38	28°43	0♉17	27°43	19°53	1°11	9°50	13°44	27° 3	20° 7	19°39	9° 7	n.a.	W 5
T 6	12 39 5	11°23'57	22°25	29° 2	1°30	28°28	20° 0	1°15	9°52	13°46	27° 2	19°54	19°36	9°14	n.a.	T 6
F 7	12 43 1	12°21'51	5♏26	29°16	2°43	29°14	20° 7	1°18	9°54	13°47	27° 0	19°42	19°33	9°20	n.a.	F 7
S 8	12 46 58	13°19'43	18°39	29°24	3°56	29°59	20°13	1°21	9°56	13°48	26°58	19°32	19°29	9°27	n.a.	S 8
S 9	12 50 54	14°17'33	2♐ 3	29°R27	5°10	0♓46	20°20	1°25	9°59	13°49	26°57	19°24	19°26	9°34	n.a.	S 9
M10	12 54 51	15°15'23	15°37	29°25	6°23	1°31	20°26	1°28	10° 1	13°51	26°55	19°20	19°23	9°40	n.a.	M10
T 11	12 58 47	16°13'11	29°21	29°19	7°36	2°17	20°33	1°32	10° 4	13°52	26°54	19°17	19°20	9°47	n.a.	T 11
W12	13 2 44	17°10'57	13♑15	29° 7	8°49	3° 2	20°39	1°35	10° 6	13°53	26°52	19°17	19°17	9°54	n.a.	W12
T 13	13 6 40	18° 8'43	27°19	28°52	10° 2	3°48	20°45	1°39	10° 9	13°55	26°50	19°17	19°13	10° 0	n.a.	T 13
F 14	13 10 37	19° 6'27	11♒32	28°32	11°15	4°34	20°51	1°43	10°11	13°56	26°49	19°16	19°10	10° 7	n.a.	F 14
S 15	13 14 34	20° 4'11	25°53	28° 9	12°28	5°19	20°56	1°47	10°14	13°58	26°47	19°13	19° 7	10°14	n.a.	S 15
S 16	13 18 30	21° 1'52	10♓19	27°42	13°41	6° 4	21° 2	1°51	10°16	13°59	26°45	19° 7	19° 4	10°20	n.a.	S 16
M17	13 22 27	21°59'33	24°46	27°13	14°54	6°50	21° 7	1°55	10°19	14° 1	26°44	18°59	19° 1	10°27	n.a.	M17
T 18	13 26 23	22°57'12	9♈ 7	26°41	16° 7	7°35	21°12	1°59	10°22	14° 2	26°42	18°49	18°58	10°34	n.a.	T 18
W19	13 30 20	23°54'50	23°17	26° 8	17°20	8°20	21°17	2° 4	10°24	14° 4	26°40	18°37	18°54	10°40	n.a.	W19
T 20	13 34 16	24°52'27	7♉ 9	25°34	18°33	9° 6	21°22	2° 8	10°27	14° 5	26°39	18°25	18°51	10°47	n.a.	T 20
F 21	13 38 13	25°50'03	20°42	24°59	19°46	9°51	21°27	2°13	10°30	14° 7	26°37	18°15	18°48	10°54	n.a.	F 21
S 22	13 42 9	26°47'37	3♊51	24°25	20°58	10°36	21°32	2°17	10°33	14° 9	26°35	18° 6	18°45	11° 0	n.a.	S 22
S 23	13 46 6	27°45'09	16°37	23°51	22°11	11°21	21°36	2°22	10°36	14°10	26°34	18° 1	18°42	11° 7	n.a.	S 23
M24	13 50 3	28°42'40	29° 3	23°19	23°24	12° 6	21°40	2°26	10°38	14°12	26°32	17°57	18°39	11°14	n.a.	M24
T 25	13 53 59	29°40'10	11♋13	22°48	24°37	12°51	21°44	2°31	10°41	14°14	26°30	17°56	18°35	11°20	n.a.	T 25
W26	13 57 56	0♉37'38	23°10	22°19	25°49	13°36	21°48	2°36	10°44	14°15	26°29	17°D56	18°32	11°27	n.a.	W26
T 27	14 1 52	1°35'05	5♌ 0	21°54	27° 2	14°21	21°51	2°41	10°47	14°17	26°27	17°R56	18°29	11°34	n.a.	T 27
F 28	14 5 49	2°32'31	16°49	21°32	28°15	15° 5	21°55	2°46	10°50	14°19	26°25	17°55	18°26	11°40	n.a.	F 28
S 29	14 9 45	3°29'55	28°42	21°13	29°27	15°50	21°58	2°51	10°53	14°20	26°24	17°52	18°23	11°47	n.a.	S 29
S 30	14 13 42	4♉27'17	10♍44	20♈58	0♊40	16♓35	22♑ 1	2♋56	10♊56	14♊22	26♎22	17♋47	18♋19	11♌54	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n38	17n10	2n31	13n 6	2n56	9n49	0s 7	14s42	1s19	22s47	0s29	23n52	0n 9	22n17	0n 7	21n41	1s 2	2n59	14n32	22n 6	22n14	19n55		n.a.
S 2	3 1	13 48	3 22	13 20	2 56	10 19	0 5	14 26	1 19	22 46	0 29	23 52	0 9	22 18	0 7	21 42	1 2	3 0	14 32	22 7	22 14	19 54		n.a.
M 3	3 25	9 50	4 5	13 32	2 54	10 48	0 2	14 11	1 19	22 45	0 29	23 52	0 9	22 18	0 7	21 42	1 2	3 0	14 32	22 8	22 15	19 53		n.a.
T 4	3 48	5 24	4 37	13 40	2 52	11 17	0n 1	13 55	1 19	22 44	0 30	23 52	0 9	22 18	0 8	21 42	1 2	3 1	14 32	22 10	22 15	19 52		n.a.
W 5	4 11	0 40	4 56	13 46	2 48	11 45	0 3	13 39	1 20	22 43	0 30	23 52	0 9	22 19	0 8	21 42	1 2	3 1	14 33	22 12	22 16	19 51		n.a.
T 6	4 34	4s11	5 0	13 48	2 43	12 14	0 6	13 23	1 20	22 43	0 30	23 52	0 9	22 19	0 8	21 42	1 2	3 2	14 33	22 14	22 16	19 50		n.a.
F 7	4 57	8 56	4 50	13 47	2 38	12 42	0 8	13 7	1 20	22 42	0 30	23 52	0 9	22 19	0 8	21 42	1 1	3 3	14 33	22 15	22 17	19 49		n.a.
S 8	5 19	13 22	4 23	13 44	2 30	13 9	0 11	12 51	1 20	22 41	0 31	23 52	0 9	22 20	0 8	21 43	1 1	3 3	14 33	22 17	22 17	19 48		n.a.
S 9	5 42	17 11	3 42	13 37	2 22	13 37	0 14	12 35	1 20	22 40	0 31	23 52	0 9	22 20	0 8	21 43	1 1	3 4	14 33	22 18	22 18	19 47		n.a.
M10	6 5	20 9	2 48	13 28	2 13	14 4	0 16	12 19	1 21	22 39	0 31	23 52	0 10	22 20	0 8	21 43	1 1	3 4	14 33	22 19	22 18	19 46		n.a.
T 11	6 27	22 0	1 43	13 15	2 2	14 30	0 19	12 2	1 21	22 39	0 31	23 52	0 10	22 21	0 8	21 43	1 1	3 5	14 33	22 19	22 19	19 45		n.a.
W12	6 50	22 32	0 32	13 0	1 50	14 57	0 22	11 46	1 21	22 38	0 31	23 52	0 10	22 21	0 8	21 43	1 1	3 6	14 33	22 19	22 19	19 44		n.a.
T 13	7 12	21 38	0s42	12 43	1 38	15 23	0 24	11 29	1 21	22 37	0 32	23 53	0 10	22 22	0 8	21 44	1 1	3 6	14 33	22 19	22 20	19 43		n.a.
F 14	7 34	19 22	1 55	12 23	1 24	15 49	0 27	11 13	1 21	22 37	0 32	23 53	0 10	22 22	0 8	21 44	1 1	3 7	14 33	22 19	22 20	19 41		n.a.
S 15	7 56	15 52	3 1	12 1	1 9	16 14	0 29	10 56	1 21	22 36	0 32	23 53	0 10	22 22	0 8	21 44	1 1	3 7	14 33	22 20	22 20	19 40		n.a.
S 16	8 18	11 24	3 55	11 37	0 54	16 39	0 32	10 39	1 22	22 35	0 32	23 53	0 10	22 23	0 8	21 44	1 1	3 8	14 33	22 20	22 21	19 39		n.a.
M17	8 40	6 18	4 35	11 11	0 38	17 3	0 35	10 22	1 22	22 35	0 32	23 53	0 10	22 23	0 8	21 45	1 1	3 9	14 33	22 22	22 21	19 38		n.a.
T 18	9 2	0 53	4 56	10 44	0 21	17 27	0 37	10 5	1 22	22 34	0 33	23 53	0 10	22 23	0 8	21 45	1 1	3 9	14 33	22 23	22 22	19 37		n.a.
W19	9 23	4n31	5 0	10 16	0 4	17 51	0 40	9 48	1 22	22 33	0 33	23 53	0 10	22 24	0 8	21 45	1 1	3 10	14 33	22 25	22 22	19 36		n.a.
T 20	9 45	9 35	4 45	9 48	0s13	18 14	0 42	9 31	1 22	22 33	0 33	23 53	0 10	22 24	0 8	21 45	1 1	3 10	14 33	22 26	22 23	19 35		n.a.
F 21	10 6	14 3	4 14	9 19	0 30	18 36	0 45	9 14	1 22	22 32	0 33	23 53	0 10	22 25	0 8	21 45	1 1	3 11	14 33	22 28	22 23	19 34		n.a.
S 22	10 27	17 43	3 31	8 50	0 47	18 59	0 48	8 57	1 22	22 32	0 34	23 53	0 10	22 25	0 8	21 46	1 1	3 11	14 33	22 29	22 24	19 33		n.a.
S 23	10 48	20 25	2 38	8 22	1 4	19 20	0 50	8 40	1 22	22 31	0 34	23 53	0 11	22 25	0 8	21 46	1 1	3 12	14 33	22 30	22 24	19 32		n.a.
M24	11 9	22 5	1 38	7 55	1 21	19 41	0 53	8 22	1 22	22 31	0 34	23 53	0 11	22 26	0 8	21 46	1 1	3 12	14 32	22 30	22 24	19 31		n.a.
T 25	11 29	22 39	0 36	7 29	1 36	20 2	0 55	8 5	1 22	22 31	0 34	23 53	0 11	22 26	0 8	21 46	1 1	3 13	14 32	22 30	22 25	19 30		n.a.
W26	11 50	22 10	0n28	7 4	1 52	20 22	0 57	7 47	1 22	22 30	0 35	23 53	0 11	22 27	0 8	21 47	1 1	3 13	14 32	22 30	22 25	19 29		n.a.
T 27	12 10	20 41	1 29	6 41	2 6	20 42	1 0	7 30	1 23	22 30	0 35	23 53	0 11	22 27	0 8	21 47	1 1	3 14	14 32	22 30	22 26	19 28		n.a.
F 28	12 30	18 19	2 27	6 20	2 20	21 1	1 2	7 12	1 23	22 30	0 35	23 53	0 11	22 28	0 8	21 47	1 1	3 14	14 32	22 30	22 26	19 26		n.a.
S 29	12 50	15 10	3 19	6 1	2 32	21 19	1 5	6 55	1 23	22 29	0 35	23 53	0 11	22 28	0 8	21 47	1 1	3 15	14 32	22 31	22 27	19 25		n.a.
S 30	13n 9	11n21	4n 2	5n45	2s44	21n37	1n 7	6s37	1s23	22s29	0s36	23n52	0n11	22n28	0n 8	21n47	1s 1	3n15	14n32	22n31	22n27	19n24		n.a.

Julian Day Number = 1636044.5, Delta T = 03h39m07s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'49, Lahiri = - 7°10'48 Julian Calendar 1 Apr. 234 BCE == Greg. Calendar 28 March 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

MAY 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 17 38	5♉24'39	22♍58	20°R47	1♊52	17♓20	22♑ 4	3♋ 2	10♊59	14♊24	26°R21	17°R40	18♋16	12♌ 0	n.a.	M 1
T 2	14 21 35	6°21'59	5♎28	20♈40	3° 5	18° 4	22° 7	3° 7	11° 2	14°26	26♎19	17♋30	18°13	12° 7	n.a.	T 2
W 3	14 25 32	7°19'18	18°16	20°D38	4°17	18°49	22° 9	3°12	11° 6	14°28	26°17	17°19	18°10	12°13	n.a.	W 3
T 4	14 29 28	8°16'36	1♏21	20°40	5°29	19°33	22°12	3°18	11° 9	14°30	26°16	17° 8	18° 7	12°20	n.a.	T 4
F 5	14 33 25	9°13'54	14°42	20°46	6°42	20°18	22°14	3°23	11°12	14°31	26°14	16°57	18° 4	12°27	n.a.	F 5
S 6	14 37 21	10°11'10	28°18	20°58	7°54	21° 2	22°16	3°29	11°15	14°33	26°12	16°48	18° 0	12°33	n.a.	S 6
S 7	14 41 18	11° 8'26	12♐ 6	21°13	9° 6	21°46	22°18	3°35	11°18	14°35	26°11	16°42	17°57	12°40	n.a.	S 7
M 8	14 45 14	12° 5'41	26° 2	21°33	10°18	22°30	22°19	3°40	11°22	14°37	26° 9	16°38	17°54	12°47	n.a.	M 8
T 9	14 49 11	13° 2'55	10♑ 4	21°58	11°31	23°15	22°21	3°46	11°25	14°39	26° 8	16°D36	17°51	12°53	n.a.	T 9
W10	14 53 7	14° 0'10	24°10	22°26	12°43	23°59	22°22	3°52	11°28	14°41	26° 6	16°36	17°48	13° 0	n.a.	W10
T 11	14 57 4	14°57'23	8♒18	23° 0	13°55	24°43	22°23	3°58	11°31	14°43	26° 5	16°R37	17°45	13° 7	n.a.	T 11
F 12	15 1 1	15°54'36	22°27	23°37	15° 7	25°27	22°24	4° 4	11°35	14°45	26° 3	16°37	17°41	13°13	n.a.	F 12
S 13	15 4 57	16°51'49	6♓36	24°18	16°19	26°11	22°25	4°10	11°38	14°47	26° 1	16°35	17°38	13°20	n.a.	S 13
S 14	15 8 54	17°49'01	20°43	25° 4	17°31	26°55	22°25	4°16	11°41	14°49	26° 0	16°31	17°35	13°27	n.a.	S 14
M15	15 12 50	18°46'13	4♈45	25°53	18°43	27°39	22°25	4°22	11°45	14°51	25°58	16°25	17°32	13°33	n.a.	M15
T 16	15 16 47	19°43'25	18°40	26°46	19°55	28°22	22°R25	4°28	11°48	14°53	25°57	16°17	17°29	13°40	n.a.	T 16
W17	15 20 43	20°40'37	2♉24	27°43	21° 7	29° 6	22°25	4°34	11°52	14°55	25°56	16° 8	17°25	13°47	n.a.	W17
T 18	15 24 40	21°37'48	15°54	28°44	22°18	29°50	22°25	4°41	11°55	14°57	25°54	15°59	17°22	13°53	n.a.	T 18
F 19	15 28 36	22°34'58	29° 7	29°48	23°30	0♈33	22°25	4°47	11°59	14°59	25°53	15°51	17°19	14° 0	n.a.	F 19
S 20	15 32 33	23°32'08	12♊ 3	0♉56	24°42	1°17	22°24	4°53	12° 2	15° 2	25°51	15°45	17°16	14° 7	n.a.	S 20
S 21	15 36 30	24°29'18	24°40	2° 8	25°54	2° 0	22°23	5° 0	12° 5	15° 4	25°50	15°40	17°13	14°13	n.a.	S 21
M22	15 40 26	25°26'27	7♋ 1	3°23	27° 5	2°43	22°22	5° 6	12° 9	15° 6	25°48	15°38	17°10	14°20	n.a.	M22
T 23	15 44 23	26°23'36	19° 8	4°41	28°17	3°27	22°21	5°13	12°12	15° 8	25°47	15°D38	17° 6	14°27	n.a.	T 23
W24	15 48 19	27°20'44	1♌ 4	6° 3	29°28	4°10	22°19	5°20	12°16	15°10	25°46	15°39	17° 3	14°33	n.a.	W24
T 25	15 52 16	28°17'52	12°54	7°28	0♋40	4°53	22°18	5°26	12°20	15°12	25°44	15°40	17° 0	14°40	n.a.	T 25
F 26	15 56 12	29°14'59	24°44	8°57	1°51	5°36	22°16	5°33	12°23	15°14	25°43	15°R41	16°57	14°47	n.a.	F 26
S 27	16 0 9	0♊12'06	6♍38	10°28	3° 3	6°19	22°14	5°40	12°27	15°16	25°42	15°41	16°54	14°53	n.a.	S 27
S 28	16 4 6	1° 9'12	18°41	12° 3	4°14	7° 2	22°12	5°47	12°30	15°19	25°40	15°39	16°50	15° 0	n.a.	S 28
M29	16 8 2	2° 6'18	0♎58	13°42	5°26	7°45	22° 9	5°53	12°34	15°21	25°39	15°36	16°47	15° 7	n.a.	M29
T 30	16 11 59	3° 3'23	13°33	15°23	6°37	8°28	22° 7	6° 0	12°37	15°23	25°38	15°31	16°44	15°13	n.a.	T 30
W31	16 15 55	4♊ 0'28	26♎28	17♉ 7	7♋48	9♈10	22♑ 4	6♋ 7	12♊41	15♊25	25♎37	15♋24	16♋41	15♌20	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n29	7n 1	4n35	5n31	2s55	21n55	1n 9	6s20	1s23	22s29	0s36	23n52	0n11	22n29	0n 8	21n48	1s 1	3n16	14n32	22n32	22n28	19n23		n.a.
T 2	13 48	2 19	4 56	5 20	3 4	22 11	1 11	6 2	1 23	22 29	0 36	23 52	0 11	22 29	0 8	21 48	1 1	3 16	14 32	22 34	22 28	19 22		n.a.
W 3	14 7	2s35	5 2	5 11	3 12	22 27	1 14	5 45	1 23	22 28	0 36	23 52	0 11	22 30	0 8	21 48	1 1	3 16	14 31	22 35	22 28	19 21		n.a.
T 4	14 26	7 30	4 53	5 5	3 20	22 43	1 16	5 27	1 23	22 28	0 36	23 52	0 11	22 30	0 8	21 48	1 1	3 17	14 31	22 37	22 29	19 20		n.a.
F 5	14 44	12 10	4 28	5 2	3 26	22 58	1 18	5 9	1 23	22 28	0 37	23 52	0 11	22 31	0 8	21 49	1 0	3 17	14 31	22 38	22 29	19 19		n.a.
S 6	15 3	16 19	3 47	5 1	3 31	23 12	1 20	4 51	1 23	22 28	0 37	23 52	0 12	22 31	0 8	21 49	1 0	3 18	14 31	22 39	22 30	19 17		n.a.
S 7	15 21	19 39	2 53	5 3	3 35	23 26	1 22	4 34	1 23	22 28	0 37	23 52	0 12	22 32	0 8	21 49	1 0	3 18	14 31	22 40	22 30	19 16		n.a.
M 8	15 39	21 52	1 47	5 8	3 38	23 39	1 24	4 16	1 22	22 28	0 37	23 52	0 12	22 32	0 8	21 49	1 0	3 18	14 30	22 40	22 31	19 15		n.a.
T 9	15 56	22 45	0 35	5 16	3 40	23 51	1 26	3 58	1 22	22 28	0 38	23 52	0 12	22 33	0 8	21 50	1 0	3 19	14 30	22 41	22 31	19 14		n.a.
W10	16 14	22 12	0s40	5 25	3 41	24 2	1 28	3 41	1 22	22 28	0 38	23 52	0 12	22 33	0 8	21 50	1 0	3 19	14 30	22 41	22 31	19 13		n.a.
T 11	16 31	20 14	1 53	5 38	3 41	24 13	1 30	3 23	1 22	22 28	0 38	23 52	0 12	22 33	0 8	21 50	1 0	3 19	14 30	22 41	22 32	19 12		n.a.
F 12	16 48	17 1	2 59	5 52	3 40	24 24	1 31	3 5	1 22	22 28	0 38	23 52	0 12	22 34	0 8	21 50	1 0	3 20	14 30	22 41	22 32	19 10		n.a.
S 13	17 4	12 49	3 54	6 9	3 38	24 33	1 33	2 47	1 22	22 28	0 39	23 51	0 12	22 34	0 8	21 51	1 0	3 20	14 29	22 41	22 33	19 9		n.a.
S 14	17 21	7 56	4 35	6 29	3 35	24 42	1 35	2 30	1 22	22 28	0 39	23 51	0 12	22 35	0 8	21 51	1 0	3 20	14 29	22 41	22 33	19 8		n.a.
M15	17 37	2 39	4 59	6 50	3 32	24 50	1 36	2 12	1 22	22 29	0 39	23 51	0 12	22 35	0 8	21 51	1 0	3 21	14 29	22 42	22 34	19 7		n.a.
T 16	17 52	2n42	5 5	7 13	3 28	24 58	1 38	1 54	1 22	22 29	0 40	23 51	0 12	22 36	0 8	21 51	1 0	3 21	14 29	22 43	22 34	19 6		n.a.
W17	18 8	7 52	4 53	7 38	3 23	25 4	1 39	1 36	1 22	22 29	0 40	23 51	0 12	22 36	0 8	21 52	1 0	3 21	14 28	22 44	22 34	19 5		n.a.
T 18	18 23	12 34	4 25	8 5	3 17	25 10	1 41	1 19	1 21	22 29	0 40	23 51	0 12	22 37	0 8	21 52	1 0	3 21	14 28	22 45	22 35	19 3		n.a.
F 19	18 38	16 34	3 43	8 34	3 11	25 16	1 42	1 1	1 21	22 30	0 40	23 51	0 13	22 37	0 8	21 52	1 0	3 22	14 28	22 46	22 35	19 2		n.a.
S 20	18 53	19 41	2 51	9 4	3 4	25 20	1 43	0 43	1 21	22 30	0 41	23 50	0 13	22 38	0 8	21 53	1 0	3 22	14 27	22 47	22 36	19 1		n.a.
S 21	19 7	21 46	1 51	9 36	2 56	25 24	1 45	0 26	1 21	22 31	0 41	23 50	0 13	22 38	0 8	21 53	1 0	3 22	14 27	22 47	22 36	19 0		n.a.
M22	19 21	22 46	0 46	10 10	2 48	25 27	1 46	0 8	1 21	22 31	0 41	23 50	0 13	22 39	0 8	21 53	1 0	3 22	14 27	22 48	22 36	18 58		n.a.
T 23	19 35	22 39	0n19	10 44	2 39	25 30	1 47	0n 9	1 21	22 31	0 41	23 50	0 13	22 39	0 8	21 53	1 0	3 22	14 26	22 48	22 37	18 57		n.a.
W24	19 48	21 30	1 23	11 20	2 30	25 31	1 48	0 27	1 20	22 32	0 42	23 50	0 13	22 40	0 8	21 54	1 0	3 23	14 26	22 48	22 37	18 56		n.a.
T 25	20 1	19 24	2 22	11 58	2 20	25 32	1 49	0 44	1 20	22 32	0 42	23 50	0 13	22 40	0 8	21 54	1 0	3 23	14 26	22 47	22 38	18 55		n.a.
F 26	20 14	16 30	3 16	12 36	2 10	25 32	1 50	1 2	1 20	22 33	0 42	23 49	0 13	22 41	0 8	21 54	1 0	3 23	14 25	22 47	22 38	18 53		n.a.
S 27	20 26	12 54	4 1	13 15	2 0	25 32	1 50	1 19	1 20	22 34	0 42	23 49	0 13	22 41	0 8	21 54	1 0	3 23	14 25	22 47	22 38	18 52		n.a.
S 28	20 38	8 45	4 36	13 55	1 49	25 30	1 51	1 36	1 20	22 34	0 43	23 49	0 13	22 42	0 8	21 55	1 0	3 23	14 25	22 48	22 39	18 51		n.a.
M29	20 50	4 11	5 0	14 35	1 38	25 28	1 52	1 54	1 19	22 35	0 43	23 49	0 13	22 42	0 8	21 55	1 0	3 23	14 24	22 48	22 39	18 50		n.a.
T 30	21 1	0s40	5 9	15 16	1 26	25 25	1 52	2 11	1 19	22 36	0 43	23 48	0 13	22 42	0 8	21 55	1 0	3 23	14 24	22 49	22 40	18 48		n.a.
W31	21n12	5s37	5n 4	15n57	1s15	25n22	1n53	2n28	1s19	22s36	0s43	23n48	0n13	22n43	0n 8	21n55	1s 0	3n23	14n24	22n49	22n40	18n47		n.a.

Julian Day Number = 1636074.5, Delta T = 03h39m06s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'45, Lahiri = - 7°10'44 Julian Calendar 1 May 234 BCE == Greg. Calendar 27 Apr. 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

JUNE 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 19 52	4♊57'34	9♏45	18♉55	8♋59	9♈53	22°R 1	6♋14	12♊44	15♊27	25°R36	15°R18	16♋38	15♌27	n.a.	T 1
F 2	16 23 48	5°54'39	23°23	20°45	10°10	10°35	21♑58	6°21	12°48	15°30	25♎34	15♋12	16°35	15°33	n.a.	F 2
S 3	16 27 45	6°51'44	7♐20	22°38	11°21	11°18	21°54	6°28	12°52	15°32	25°33	15° 6	16°31	15°40	n.a.	S 3
S 4	16 31 41	7°48'49	21°31	24°34	12°32	12° 0	21°51	6°35	12°55	15°34	25°32	15° 3	16°28	15°47	n.a.	S 4
M 5	16 35 38	8°45'54	5♑53	26°32	13°43	12°42	21°47	6°42	12°59	15°36	25°31	15° 1	16°25	15°53	n.a.	M 5
T 6	16 39 35	9°43'00	20°20	28°33	14°54	13°25	21°43	6°50	13° 3	15°38	25°30	15°D 1	16°22	16° 0	n.a.	T 6
W 7	16 43 31	10°40'06	4♒46	0♊35	16° 5	14° 7	21°39	6°57	13° 6	15°41	25°29	15° 2	16°19	16° 7	n.a.	W 7
T 8	16 47 28	11°37'12	19° 9	2°40	17°15	14°49	21°35	7° 4	13°10	15°43	25°28	15° 3	16°16	16°13	n.a.	T 8
F 9	16 51 24	12°34'19	3♓25	4°46	18°26	15°31	21°31	7°11	13°13	15°45	25°27	15° 4	16°12	16°20	n.a.	F 9
S 10	16 55 21	13°31'27	17°33	6°53	19°37	16°13	21°26	7°18	13°17	15°47	25°26	15°R 4	16° 9	16°27	n.a.	S 10
S 11	16 59 17	14°28'35	1♈29	9° 1	20°47	16°55	21°22	7°26	13°21	15°50	25°25	15° 3	16° 6	16°33	n.a.	S 11
M12	17 3 14	15°25'43	15°14	11° 9	21°58	17°36	21°17	7°33	13°24	15°52	25°24	15° 1	16° 3	16°40	n.a.	M12
T 13	17 7 10	16°22'53	28°47	13°18	23° 8	18°18	21°12	7°40	13°28	15°54	25°23	14°58	16° 0	16°47	n.a.	T 13
W14	17 11 7	17°20'03	12♉ 6	15°27	24°19	18°59	21° 7	7°48	13°31	15°56	25°22	14°53	15°56	16°53	n.a.	W14
T 15	17 15 4	18°17'13	25°12	17°36	25°29	19°41	21° 1	7°55	13°35	15°59	25°22	14°49	15°53	17° 0	n.a.	T 15
F 16	17 19 0	19°14'25	8♊ 3	19°44	26°39	20°22	20°56	8° 3	13°39	16° 1	25°21	14°46	15°50	17° 7	n.a.	F 16
S 17	17 22 57	20°11'37	20°40	21°52	27°49	21° 4	20°50	8°10	13°42	16° 3	25°20	14°43	15°47	17°13	n.a.	S 17
S 18	17 26 53	21° 8'49	3♋ 4	23°59	28°59	21°45	20°45	8°18	13°46	16° 5	25°19	14°41	15°44	17°20	n.a.	S 18
M19	17 30 50	22° 6'02	15°15	26° 5	0♌ 9	22°26	20°39	8°25	13°49	16° 7	25°19	14°D41	15°41	17°27	n.a.	M19
T 20	17 34 46	23° 3'16	27°16	28° 9	1°19	23° 7	20°33	8°33	13°53	16°10	25°18	14°41	15°37	17°33	n.a.	T 20
W21	17 38 43	24° 0'30	9♌10	0♋12	2°29	23°48	20°27	8°40	13°57	16°12	25°17	14°42	15°34	17°40	n.a.	W21
T 22	17 42 40	24°57'44	20°59	2°14	3°39	24°29	20°20	8°48	14° 0	16°14	25°17	14°44	15°31	17°47	n.a.	T 22
F 23	17 46 36	25°54'59	2♍48	4°14	4°49	25° 9	20°14	8°55	14° 4	16°16	25°16	14°45	15°28	17°53	n.a.	F 23
S 24	17 50 33	26°52'14	14°42	6°13	5°58	25°50	20° 8	9° 3	14° 7	16°19	25°15	14°46	15°25	18° 0	n.a.	S 24
S 25	17 54 29	27°49'30	26°44	8°10	7° 8	26°30	20° 1	9°11	14°11	16°21	25°15	14°R47	15°22	18° 7	n.a.	S 25
M26	17 58 26	28°46'46	9♎ 0	10° 6	8°17	27°11	19°54	9°18	14°14	16°23	25°14	14°47	15°18	18°13	n.a.	M26
T 27	18 2 22	29°44'03	21°34	12° 0	9°27	27°51	19°47	9°26	14°18	16°25	25°14	14°46	15°15	18°20	n.a.	T 27
W28	18 6 19	0♋41'21	4♏30	13°52	10°36	28°31	19°40	9°34	14°21	16°27	25°13	14°44	15°12	18°27	n.a.	W28
T 29	18 10 15	1°38'39	17°50	15°42	11°45	29°11	19°33	9°41	14°25	16°29	25°13	14°42	15° 9	18°33	n.a.	T 29
F 30	18 14 12	2♋35'58	1♐35	17♋31	12♌54	29♈51	19♑26	9♋49	14♊28	16♊32	25♎13	14♋41	15♋ 6	18♌40	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n23	10s27	4n42	16n38	1s 3	25n18	1n53	2n45	1s19	22s37	0s44	23n48	0n14	22n43	0n 8	21n56	1s 0	3n23	14n23	22n50	22n40	18n46		n.a.
F 2	21 33	14 54	4 4	17 20	0 51	25 13	1 53	3 2	1 18	22 38	0 44	23 48	0 14	22 44	0 8	21 56	1 0	3 23	14 23	22 51	22 41	18 45		n.a.
S 3	21 43	18 39	3 11	18 1	0 40	25 7	1 54	3 20	1 18	22 39	0 44	23 47	0 14	22 44	0 8	21 56	1 0	3 24	14 22	22 51	22 41	18 43		n.a.
S 4	21 52	21 23	2 5	18 41	0 28	25 1	1 54	3 36	1 18	22 39	0 44	23 47	0 14	22 45	0 8	21 56	1 0	3 24	14 22	22 52	22 42	18 42		n.a.
M 5	22 1	22 46	0 50	19 21	0 16	24 54	1 54	3 53	1 17	22 40	0 45	23 47	0 14	22 45	0 8	21 57	1 0	3 24	14 22	22 52	22 42	18 41		n.a.
T 6	22 10	22 39	0s29	20 0	0 5	24 46	1 54	4 10	1 17	22 41	0 45	23 47	0 14	22 46	0 8	21 57	1 0	3 24	14 21	22 52	22 42	18 39		n.a.
W 7	22 19	21 0	1 46	20 37	0n 7	24 37	1 54	4 27	1 17	22 42	0 45	23 46	0 14	22 46	0 8	21 57	1 0	3 23	14 21	22 52	22 43	18 38		n.a.
T 8	22 27	18 2	2 56	21 13	0 17	24 28	1 53	4 44	1 17	22 43	0 45	23 46	0 14	22 47	0 8	21 57	1 0	3 23	14 20	22 52	22 43	18 37		n.a.
F 9	22 34	14 0	3 54	21 48	0 28	24 18	1 53	5 0	1 16	22 44	0 46	23 46	0 14	22 47	0 8	21 58	1 0	3 23	14 20	22 52	22 44	18 36		n.a.
S 10	22 42	9 14	4 38	22 20	0 38	24 8	1 53	5 17	1 16	22 45	0 46	23 45	0 14	22 48	0 8	21 58	1 0	3 23	14 19	22 52	22 44	18 34		n.a.
S 11	22 48	4 3	5 4	22 51	0 48	23 56	1 52	5 34	1 16	22 46	0 46	23 45	0 14	22 48	0 8	21 58	1 0	3 23	14 19	22 52	22 44	18 33		n.a.
M12	22 55	1n16	5 13	23 19	0 56	23 45	1 52	5 50	1 15	22 47	0 46	23 45	0 14	22 49	0 8	21 58	1 0	3 23	14 19	22 52	22 45	18 32		n.a.
T 13	23 1	6 26	5 4	23 44	1 5	23 32	1 51	6 6	1 15	22 48	0 47	23 44	0 15	22 49	0 8	21 59	1 0	3 23	14 18	22 52	22 45	18 30		n.a.
W14	23 7	11 14	4 39	24 7	1 13	23 19	1 50	6 23	1 14	22 49	0 47	23 44	0 15	22 49	0 8	21 59	1 0	3 23	14 18	22 53	22 45	18 29		n.a.
T 15	23 12	15 25	3 59	24 27	1 20	23 5	1 49	6 39	1 14	22 50	0 47	23 44	0 15	22 50	0 8	21 59	1 0	3 23	14 17	22 53	22 46	18 28		n.a.
F 16	23 17	18 49	3 8	24 45	1 26	22 51	1 48	6 55	1 14	22 51	0 47	23 43	0 15	22 50	0 8	21 59	1 0	3 23	14 17	22 54	22 46	18 26		n.a.
S 17	23 21	21 15	2 8	25 0	1 32	22 36	1 47	7 11	1 13	22 52	0 47	23 43	0 15	22 51	0 8	22 0	1 0	3 22	14 16	22 54	22 47	18 25		n.a.
S 18	23 25	22 38	1 4	25 11	1 36	22 20	1 46	7 27	1 13	22 53	0 48	23 42	0 15	22 51	0 8	22 0	1 0	3 22	14 16	22 54	22 47	18 23		n.a.
M19	23 29	22 53	0n 3	25 20	1 41	22 4	1 45	7 43	1 12	22 54	0 48	23 42	0 15	22 52	0 8	22 0	1 0	3 22	14 15	22 54	22 47	18 22		n.a.
T 20	23 32	22 5	1 9	25 27	1 44	21 47	1 44	7 58	1 12	22 55	0 48	23 42	0 15	22 52	0 8	22 0	1 0	3 22	14 15	22 54	22 48	18 21		n.a.
W21	23 35	20 17	2 11	25 30	1 47	21 30	1 42	8 14	1 12	22 57	0 48	23 41	0 15	22 53	0 8	22 1	1 0	3 22	14 14	22 54	22 48	18 19		n.a.
T 22	23 38	17 37	3 7	25 31	1 49	21 12	1 41	8 30	1 11	22 58	0 49	23 41	0 15	22 53	0 8	22 1	1 0	3 21	14 14	22 54	22 48	18 18		n.a.
F 23	23 40	14 15	3 56	25 29	1 50	20 53	1 39	8 45	1 11	22 59	0 49	23 40	0 15	22 53	0 8	22 1	1 0	3 21	14 13	22 54	22 49	18 17		n.a.
S 24	23 41	10 18	4 34	25 25	1 51	20 34	1 37	9 0	1 10	23 0	0 49	23 40	0 15	22 54	0 8	22 1	1 0	3 21	14 13	22 54	22 49	18 15		n.a.
S 25	23 42	5 54	5 1	25 19	1 51	20 15	1 35	9 16	1 10	23 1	0 49	23 40	0 15	22 54	0 8	22 1	1 0	3 21	14 12	22 54	22 50	18 14		n.a.
M26	23 43	1 12	5 15	25 10	1 50	19 55	1 34	9 31	1 9	23 3	0 49	23 39	0 16	22 55	0 8	22 2	1 0	3 20	14 12	22 54	22 50	18 12		n.a.
T 27	23 43	3s39	5 14	24 59	1 49	19 34	1 32	9 46	1 9	23 4	0 50	23 39	0 16	22 55	0 8	22 2	1 0	3 20	14 11	22 54	22 50	18 11		n.a.
W28	23 43	8 30	4 58	24 46	1 48	19 13	1 29	10 1	1 8	23 5	0 50	23 38	0 16	22 56	0 8	22 2	1 0	3 20	14 11	22 54	22 51	18 10		n.a.
T 29	23 43	13 6	4 25	24 32	1 45	18 52	1 27	10 16	1 8	23 6	0 50	23 38	0 16	22 56	0 8	22 2	1 0	3 19	14 10	22 54	22 51	18 8		n.a.
F 30	23n42	17s11	3n37	24n15	1n42	18n30	1n25	10n30	1s 7	23s 7	0s50	23n37	0n16	22n56	0n 8	22n 3	1s 0	3n19	14n10	22n54	22n51	18n 7		n.a.

Julian Day Number = 1636105.5, Delta T = 03h39m05s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'40, Lahiri = - 7°10'40 Julian Calendar 1 June 234 BCE == Greg. Calendar 28 May 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

JULY 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 18 9	3♋33'18	15♐43	19♋18	14♌ 3	0♉31	19°R19	9♋57	14♊32	16♊34	25°R12	14°R40	15♋ 2	18♌47	n.a.	S 1
S 2	18 22 5	4°30'39	0♑12	21° 4	15°12	1°11	19♑12	10° 4	14°35	16°36	25♎12	14♋39	14°59	18°53	n.a.	S 2
M 3	18 26 2	5°28'00	14°55	22°48	16°21	1°51	19° 4	10°12	14°39	16°38	25°12	14°D39	14°56	19° 0	n.a.	M 3
T 4	18 29 58	6°25'23	29°46	24°30	17°30	2°30	18°57	10°20	14°42	16°40	25°12	14°39	14°53	19° 7	n.a.	T 4
W 5	18 33 55	7°22'47	14♒38	26°10	18°38	3°10	18°49	10°27	14°46	16°42	25°11	14°39	14°50	19°13	n.a.	W 5
T 6	18 37 51	8°20'13	29°22	27°49	19°47	3°49	18°42	10°35	14°49	16°44	25°11	14°40	14°47	19°20	n.a.	T 6
F 7	18 41 48	9°17'39	13♓55	29°27	20°55	4°29	18°34	10°43	14°52	16°47	25°11	14°40	14°43	19°27	n.a.	F 7
S 8	18 45 44	10°15'07	28°10	1♌ 2	22° 3	5° 8	18°27	10°50	14°56	16°49	25°11	14°41	14°40	19°33	n.a.	S 8
S 9	18 49 41	11°12'37	12♈ 7	2°37	23°12	5°47	18°19	10°58	14°59	16°51	25°11	14°R41	14°37	19°40	n.a.	S 9
M10	18 53 38	12°10'08	25°45	4° 9	24°20	6°26	18°11	11° 6	15° 3	16°53	25°11	14°41	14°34	19°47	n.a.	M10
T 11	18 57 34	13° 7'40	9♉ 3	5°40	25°27	7° 5	18° 3	11°14	15° 6	16°55	25°D11	14°41	14°31	19°53	n.a.	T 11
W12	19 1 31	14° 5'15	22° 5	7° 9	26°35	7°43	17°56	11°21	15° 9	16°57	25°11	14°40	14°28	20° 0	n.a.	W12
T 13	19 5 27	15° 2'50	4♊50	8°37	27°43	8°22	17°48	11°29	15°12	16°59	25°11	14°D40	14°24	20° 7	n.a.	T 13
F 14	19 9 24	16° 0'28	17°22	10° 3	28°51	9° 0	17°40	11°37	15°16	17° 1	25°11	14°41	14°21	20°13	n.a.	F 14
S 15	19 13 20	16°58'07	29°41	11°27	29°58	9°39	17°32	11°44	15°19	17° 3	25°11	14°41	14°18	20°20	n.a.	S 15
S 16	19 17 17	17°55'47	11♋51	12°49	1♍ 5	10°17	17°24	11°52	15°22	17° 5	25°11	14°R41	14°15	20°27	n.a.	S 16
M17	19 21 13	18°53'29	23°52	14°10	2°13	10°55	17°16	12° 0	15°25	17° 7	25°11	14°41	14°12	20°33	n.a.	M17
T 18	19 25 10	19°51'12	5♌46	15°29	3°20	11°33	17° 9	12° 8	15°28	17° 9	25°12	14°40	14° 8	20°40	n.a.	T 18
W19	19 29 7	20°48'56	17°37	16°46	4°27	12°11	17° 1	12°15	15°31	17°11	25°12	14°40	14° 5	20°47	n.a.	W19
T 20	19 33 3	21°46'42	29°25	18° 2	5°33	12°49	16°53	12°23	15°35	17°13	25°12	14°39	14° 2	20°53	n.a.	T 20
F 21	19 37 0	22°44'29	11♍15	19°15	6°40	13°26	16°45	12°30	15°38	17°15	25°13	14°38	13°59	21° 0	n.a.	F 21
S 22	19 40 56	23°42'18	23° 9	20°26	7°46	14° 4	16°37	12°38	15°41	17°16	25°13	14°37	13°56	21° 7	n.a.	S 22
S 23	19 44 53	24°40'07	5♎11	21°35	8°53	14°41	16°30	12°46	15°44	17°18	25°13	14°36	13°53	21°13	n.a.	S 23
M24	19 48 49	25°37'58	17°25	22°42	9°59	15°18	16°22	12°53	15°47	17°20	25°14	14°35	13°49	21°20	n.a.	M24
T 25	19 52 46	26°35'51	29°55	23°47	11° 5	15°55	16°14	13° 1	15°50	17°22	25°14	14°D35	13°46	21°27	n.a.	T 25
W26	19 56 42	27°33'45	12♏46	24°49	12°11	16°32	16° 7	13° 8	15°53	17°24	25°15	14°36	13°43	21°33	n.a.	W26
T 27	20 0 39	28°31'40	26° 1	25°48	13°16	17° 9	15°59	13°16	15°55	17°26	25°15	14°36	13°40	21°40	n.a.	T 27
F 28	20 4 36	29°29'37	9♐42	26°45	14°22	17°45	15°52	13°24	15°58	17°27	25°16	14°38	13°37	21°47	n.a.	F 28
S 29	20 8 32	0♑27'35	23°50	27°39	15°27	18°22	15°45	13°31	16° 1	17°29	25°16	14°39	13°34	21°54	n.a.	S 29
S 30	20 12 29	1°25'35	8♑23	28°31	16°32	18°58	15°37	13°39	16° 4	17°31	25°17	14°R39	13°30	22° 0	n.a.	S 30
M31	20 16 25	2♑23'36	23♑16	29♌18	17♍37	19♉34	15♑30	13♋46	16♊ 7	17♊32	25♎18	14♋39	13♋27	22♌ 7	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23n40	20s24	2n34	23n57	1n39	18n 7	1n23	10n45	1s 7	23s 9	0s50	23n37	0n16	22n57	0n 8	22n 3	1s 0	3n19	14n 9	22n54	22n52	18n 5		n.a.	S 1
S 2	23 39	22 24	1 19	23 37	1 35	17 44	1 20	10 59	1 6	23 10	0 51	23 36	0 16	22 57	0 8	22 3	1 0	3 18	14 9	22 54	22 52	18 4		n.a.	S 2
M 3	23 36	22 54	0s 2	23 16	1 31	17 21	1 17	11 14	1 6	23 11	0 51	23 36	0 16	22 58	0 8	22 3	1 0	3 18	14 8	22 54	22 52	18 3		n.a.	M 3
T 4	23 34	21 47	1 23	22 53	1 26	16 57	1 15	11 28	1 5	23 12	0 51	23 35	0 16	22 58	0 8	22 3	1 0	3 17	14 8	22 54	22 53	18 1		n.a.	T 4
W 5	23 31	19 10	2 39	22 30	1 21	16 33	1 12	11 42	1 5	23 14	0 51	23 35	0 16	22 59	0 8	22 4	1 0	3 17	14 7	22 54	22 53	18 0		n.a.	W 5
T 6	23 27	15 19	3 44	22 5	1 16	16 9	1 9	11 56	1 4	23 15	0 51	23 34	0 16	22 59	0 8	22 4	1 0	3 17	14 7	22 54	22 54	17 58		n.a.	T 6
F 7	23 24	10 35	4 33	21 39	1 10	15 44	1 6	12 10	1 3	23 16	0 52	23 34	0 17	22 59	0 8	22 4	1 0	3 16	14 6	22 54	22 54	17 57		n.a.	F 7
S 8	23 19	5 23	5 4	21 12	1 3	15 19	1 3	12 24	1 3	23 17	0 52	23 33	0 17	23 0	0 8	22 4	1 0	3 16	14 6	22 54	22 54	17 55		n.a.	S 8
S 9	23 15	0 1	5 17	20 44	0 57	14 53	1 0	12 38	1 2	23 19	0 52	23 32	0 17	23 0	0 8	22 5	1 0	3 15	14 5	22 54	22 55	17 54		n.a.	S 9
M10	23 9	5n14	5 12	20 15	0 50	14 27	0 57	12 51	1 2	23 20	0 52	23 32	0 17	23 1	0 8	22 5	1 0	3 15	14 5	22 54	22 55	17 52		n.a.	M10
T 11	23 4	10 7	4 49	19 46	0 42	14 1	0 53	13 5	1 1	23 21	0 52	23 31	0 17	23 1	0 8	22 5	1 0	3 14	14 4	22 54	22 55	17 51		n.a.	T 11
W12	22 58	14 26	4 12	19 16	0 35	13 35	0 50	13 18	1 0	23 22	0 52	23 31	0 17	23 1	0 8	22 5	1 0	3 14	14 3	22 54	22 56	17 49		n.a.	W12
T 13	22 52	18 1	3 24	18 45	0 27	13 8	0 46	13 31	1 0	23 24	0 53	23 30	0 17	23 2	0 8	22 5	1 0	3 13	14 3	22 54	22 56	17 48		n.a.	T 13
F 14	22 45	20 42	2 26	18 14	0 19	12 41	0 43	13 44	0 59	23 25	0 53	23 30	0 17	23 2	0 8	22 5	1 0	3 13	14 2	22 54	22 56	17 46		n.a.	F 14
S 15	22 38	22 21	1 22	17 43	0 11	12 13	0 39	13 57	0 59	23 26	0 53	23 29	0 17	23 2	0 8	22 6	1 0	3 12	14 2	22 54	22 57	17 45		n.a.	S 15
S 16	22 30	22 56	0 16	17 12	0 2	11 46	0 35	14 10	0 58	23 27	0 53	23 28	0 17	23 3	0 8	22 6	1 0	3 12	14 1	22 54	22 57	17 44		n.a.	S 16
M17	22 22	22 25	0n51	16 40	0s 7	11 18	0 31	14 22	0 57	23 28	0 53	23 28	0 17	23 3	0 8	22 6	1 0	3 11	14 1	22 54	22 57	17 42		n.a.	M17
T 18	22 14	20 54	1 54	16 8	0 16	10 50	0 27	14 35	0 57	23 29	0 53	23 27	0 17	23 4	0 8	22 6	1 0	3 10	14 0	22 54	22 58	17 41		n.a.	T 18
W19	22 5	18 28	2 53	15 36	0 25	10 21	0 23	14 47	0 56	23 31	0 53	23 27	0 18	23 4	0 8	22 6	1 0	3 10	14 0	22 54	22 58	17 39		n.a.	W19
T 20	21 56	15 18	3 44	15 4	0 35	9 53	0 19	14 59	0 55	23 32	0 54	23 26	0 18	23 4	0 8	22 7	1 0	3 9	13 59	22 54	22 58	17 37		n.a.	T 20
F 21	21 47	11 30	4 25	14 32	0 44	9 24	0 15	15 12	0 54	23 33	0 54	23 25	0 18	23 5	0 8	22 7	1 0	3 9	13 59	22 55	22 59	17 36		n.a.	F 21
S 22	21 37	7 15	4 55	14 0	0 54	8 55	0 10	15 24	0 54	23 34	0 54	23 25	0 18	23 5	0 8	22 7	1 0	3 8	13 58	22 55	22 59	17 34		n.a.	S 22
S 23	21 27	2 42	5 13	13 28	1 4	8 26	0 6	15 35	0 53	23 35	0 54	23 24	0 18	23 5	0 8	22 7	1 0	3 7	13 57	22 55	22 59	17 33		n.a.	S 23
M24	21 16	2s 3	5 16	12 57	1 14	7 56	0 2	15 47	0 52	23 36	0 54	23 23	0 18	23 6	0 8	22 7	1 0	3 7	13 57	22 55	23 0	17 31		n.a.	M24
T 25	21 5	6 49	5 6	12 26	1 24	7 27	0s 3	15 59	0 52	23 37	0 54	23 23	0 18	23 6	0 8	22 7	1 0	3 6	13 56	22 55	23 0	17 30		n.a.	T 25
W26	20 54	11 25	4 39	11 56	1 34	6 57	0 8	16 10	0 51	23 38	0 54	23 22	0 18	23 6	0 8	22 8	1 0	3 5	13 56	22 55	23 0	17 28		n.a.	W26
T 27	20 42	15 38	3 58	11 26	1 44	6 28	0 12	16 21	0 50	23 39	0 54	23 21	0 18	23 7	0 8	22 8	1 0	3 5	13 55	22 55	23 1	17 27		n.a.	T 27
F 28	20 30	19 10	3 2	10 57	1 54	5 58	0 17	16 32	0 49	23 40	0 54	23 21	0 18	23 7	0 8	22 8	1 0	3 4	13 55	22 55	23 1	17 25		n.a.	F 28
S 29	20 17	21 42	1 53	10 29	2 4	5 28	0 22	16 43	0 48	23 41	0 54	23 20	0 19	23 7	0 8	22 8	1 0	3 3	13 54	22 54	23 1	17 24		n.a.	S 29
S 30	20 5	22 53	0 35	10 2	2 14	4 58	0 27	16 54	0 48	23 42	0 55	23 19	0 19	23 8	0 9	22 8	1 0	3 2	13 54	22 54	23 2	17 22		n.a.	S 30
M31	19n52	22s28	0s47	9n36	2s24	4n28	0s32	17n 5	0s47	23s43	0s55	23n19	0n19	23n 8	0n 9	22n 8	1s 0	3n 2	13n53	22n54	23n 2	17n21		n.a.	M31

Julian Day Number = 1636135.5, Delta T = 03h39m04s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'36, Lahiri = - 7°10'36 Julian Calendar 1 July 234 BCE == Greg. Calendar 27 June 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

AUGUST 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 20 22	3♌21'39	8♒23	0♍ 3	18♍42	20♉10	15°R23	13♋53	16♊ 9	17♊34	25♎19	14°R38	13♋24	22♌14	n.a.	T 1
W 2	20 24 18	4°19'44	23°34	0°44	19°46	20°46	15♏16	14° 1	16°12	17°36	25°19	14♋36	13°21	22°20	n.a.	W 2
T 3	20 28 15	5°17'51	8♓40	1°21	20°50	21°22	15° 9	14° 8	16°15	17°37	25°20	14°34	13°18	22°27	n.a.	T 3
F 4	20 32 11	6°15'59	23°31	1°54	21°54	21°58	15° 2	14°16	16°17	17°39	25°21	14°31	13°14	22°34	n.a.	F 4
S 5	20 36 8	7°14'10	8♈ 2	2°22	22°58	22°33	14°55	14°23	16°20	17°41	25°22	14°29	13°11	22°40	n.a.	S 5
S 6	20 40 5	8°12'23	22° 7	2°46	24° 2	23° 8	14°49	14°30	16°23	17°42	25°23	14°27	13° 8	22°47	n.a.	S 6
M 7	20 44 1	9°10'38	5♉47	3° 5	25° 5	23°43	14°42	14°38	16°25	17°44	25°23	14°D26	13° 5	22°54	n.a.	M 7
T 8	20 47 58	10° 8'55	19° 2	3°19	26° 8	24°18	14°36	14°45	16°28	17°45	25°24	14°26	13° 2	23° 0	n.a.	T 8
W 9	20 51 54	11° 7'14	1♊54	3°27	27°11	24°53	14°30	14°52	16°30	17°47	25°25	14°27	12°59	23° 7	n.a.	W 9
T 10	20 55 51	12° 5'36	14°27	3°R29	28°13	25°28	14°23	14°59	16°32	17°48	25°26	14°29	12°55	23°14	n.a.	T 10
F 11	20 59 47	13° 4'00	26°46	3°25	29°16	26° 2	14°17	15° 6	16°35	17°50	25°27	14°31	12°52	23°20	n.a.	F 11
S 12	21 3 44	14° 2'26	8♋52	3°14	0♎18	26°36	14°12	15°13	16°37	17°51	25°28	14°R32	12°49	23°27	n.a.	S 12
S 13	21 7 40	15° 0'54	20°51	2°57	1°20	27°10	14° 6	15°20	16°39	17°53	25°29	14°32	12°46	23°34	n.a.	S 13
M14	21 11 37	15°59'24	2♌44	2°33	2°21	27°44	14° 0	15°28	16°42	17°54	25°31	14°30	12°43	23°40	n.a.	M14
T 15	21 15 34	16°57'56	14°33	2° 3	3°22	28°18	13°55	15°35	16°44	17°55	25°32	14°27	12°40	23°47	n.a.	T 15
W16	21 19 30	17°56'31	26°22	1°26	4°23	28°52	13°50	15°41	16°46	17°57	25°33	14°22	12°36	23°54	n.a.	W16
T 17	21 23 27	18°55'07	8♍12	0°42	5°24	29°25	13°45	15°48	16°48	17°58	25°34	14°16	12°33	24° 0	n.a.	T 17
F 18	21 27 23	19°53'45	20° 5	29♌53	6°24	29°58	13°40	15°55	16°50	17°59	25°35	14°10	12°30	24° 7	n.a.	F 18
S 19	21 31 20	20°52'25	2♎ 3	28°58	7°24	0♊31	13°35	16° 2	16°52	18° 0	25°37	14° 3	12°27	24°14	n.a.	S 19
S 20	21 35 16	21°51'07	14° 8	27°59	8°23	1° 4	13°30	16° 9	16°54	18° 2	25°38	13°57	12°24	24°20	n.a.	S 20
M21	21 39 13	22°49'50	26°23	26°57	9°23	1°36	13°26	16°16	16°56	18° 3	25°39	13°53	12°20	24°27	n.a.	M21
T 22	21 43 9	23°48'36	8♏53	25°52	10°21	2° 8	13°21	16°22	16°58	18° 4	25°41	13°50	12°17	24°34	n.a.	T 22
W23	21 47 6	24°47'23	21°39	24°47	11°20	2°41	13°17	16°29	17° 0	18° 5	25°42	13°D48	12°14	24°40	n.a.	W23
T 24	21 51 2	25°46'12	4♐46	23°44	12°18	3°12	13°13	16°35	17° 2	18° 6	25°44	13°49	12°11	24°47	n.a.	T 24
F 25	21 54 59	26°45'04	18°17	22°42	13°15	3°44	13°10	16°42	17° 4	18° 7	25°45	13°50	12° 8	24°54	n.a.	F 25
S 26	21 58 56	27°43'57	2♑15	21°45	14°12	4°16	13° 6	16°48	17° 5	18° 8	25°46	13°51	12° 5	25° 1	n.a.	S 26
S 27	22 2 52	28°42'51	16°39	20°54	15° 9	4°47	13° 3	16°55	17° 7	18° 9	25°48	13°R52	12° 1	25° 7	n.a.	S 27
M28	22 6 49	29°41'48	1♒27	20°10	16° 5	5°18	12°59	17° 1	17° 9	18°10	25°50	13°50	11°58	25°14	n.a.	M28
T 29	22 10 45	0♍40'47	16°33	19°34	17° 1	5°48	12°56	17° 8	17°10	18°11	25°51	13°47	11°55	25°21	n.a.	T 29
W30	22 14 42	1°39'47	1♓50	19° 8	17°56	6°19	12°54	17°14	17°12	18°12	25°53	13°42	11°52	25°27	n.a.	W30
T 31	22 18 38	2♍38'50	17♓ 6	18♌51	18♎50	6♊49	12♑51	17♋20	17♊13	18♊13	25♎54	13♋35	11♋49	25♌34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	19n38	20s26	2s 7	9n11	2s34	3n57	0s37	17n15	0s46	23s44	0s55	23n18	0n19	23n 8	0n 9	22n 8	1s 0	3n 1	13n53	22n54	23n 2	17n19			n.a.
W 2	19 24	16 56	3 19	8 47	2 44	3 27	0 42	17 26	0 45	23 45	0 55	23 17	0 19	23 8	0 9	22 9	1 0	3 0	13 52	22 55	23 3	17 17			n.a.
T 3	19 10	12 21	4 15	8 25	2 54	2 57	0 48	17 36	0 44	23 46	0 55	23 17	0 19	23 9	0 9	22 9	1 0	2 59	13 52	22 55	23 3	17 16			n.a.
F 4	18 56	7 6	4 54	8 4	3 3	2 26	0 53	17 46	0 44	23 46	0 55	23 16	0 19	23 9	0 9	22 9	1 0	2 59	13 51	22 55	23 3	17 14			n.a.
S 5	18 41	1 34	5 13	7 46	3 13	1 56	0 58	17 56	0 43	23 47	0 55	23 15	0 19	23 9	0 9	22 9	1 0	2 58	13 51	22 56	23 4	17 13			n.a.
S 6	18 26	3n53	5 12	7 29	3 21	1 26	1 4	18 6	0 42	23 48	0 55	23 15	0 19	23 10	0 9	22 9	1 0	2 57	13 50	22 56	23 4	17 11			n.a.
M 7	18 10	9 0	4 53	7 14	3 30	0 55	1 9	18 16	0 41	23 49	0 55	23 14	0 19	23 10	0 9	22 9	1 0	2 56	13 49	22 56	23 4	17 9			n.a.
T 8	17 55	13 31	4 19	7 2	3 38	0 25	1 15	18 25	0 40	23 50	0 55	23 13	0 20	23 10	0 9	22 9	1 0	2 55	13 49	22 56	23 5	17 8			n.a.
W 9	17 39	17 18	3 33	6 52	3 45	0s 5	1 20	18 35	0 39	23 50	0 55	23 12	0 20	23 10	0 9	22 10	1 0	2 55	13 48	22 56	23 5	17 6			n.a.
T 10	17 22	20 12	2 38	6 45	3 52	0 36	1 26	18 44	0 38	23 51	0 55	23 12	0 20	23 11	0 9	22 10	1 0	2 54	13 48	22 56	23 5	17 5			n.a.
F 11	17 6	22 5	1 36	6 41	3 57	1 6	1 31	18 53	0 37	23 52	0 55	23 11	0 20	23 11	0 9	22 10	1 0	2 53	13 47	22 55	23 6	17 3			n.a.
S 12	16 49	22 54	0 31	6 41	4 2	1 36	1 37	19 2	0 36	23 52	0 55	23 10	0 20	23 11	0 9	22 10	1 0	2 52	13 47	22 55	23 6	17 1			n.a.
S 13	16 31	22 39	0n35	6 44	4 6	2 6	1 43	19 11	0 36	23 53	0 55	23 10	0 20	23 11	0 9	22 10	1 0	2 51	13 46	22 55	23 6	17 0			n.a.
M14	16 14	21 22	1 38	6 50	4 8	2 36	1 49	19 20	0 35	23 54	0 55	23 9	0 20	23 12	0 9	22 10	1 0	2 50	13 46	22 55	23 6	16 58			n.a.
T 15	15 56	19 9	2 37	7 0	4 9	3 6	1 55	19 28	0 34	23 54	0 55	23 8	0 20	23 12	0 9	22 10	1 0	2 50	13 45	22 56	23 7	16 57			n.a.
W16	15 38	16 8	3 29	7 14	4 8	3 36	2 0	19 37	0 33	23 55	0 55	23 8	0 20	23 12	0 9	22 10	1 0	2 49	13 45	22 56	23 7	16 55			n.a.
T 17	15 20	12 28	4 12	7 31	4 6	4 6	2 6	19 45	0 32	23 55	0 55	23 7	0 20	23 12	0 9	22 10	1 0	2 48	13 44	22 57	23 7	16 53			n.a.
F 18	15 1	8 19	4 44	7 52	4 2	4 35	2 12	19 53	0 31	23 56	0 55	23 6	0 21	23 13	0 9	22 11	1 0	2 47	13 44	22 58	23 8	16 52			n.a.
S 19	14 42	3 49	5 4	8 17	3 56	5 5	2 18	20 1	0 30	23 56	0 55	23 5	0 21	23 13	0 9	22 11	1 0	2 46	13 43	22 58	23 8	16 50			n.a.
S 20	14 23	0s53	5 10	8 45	3 48	5 34	2 24	20 9	0 29	23 57	0 55	23 5	0 21	23 13	0 9	22 11	1 0	2 45	13 43	22 59	23 8	16 48			n.a.
M21	14 4	5 36	5 3	9 16	3 38	6 3	2 30	20 17	0 28	23 57	0 55	23 4	0 21	23 13	0 9	22 11	1 0	2 44	13 42	22 59	23 9	16 47			n.a.
T 22	13 45	10 11	4 41	9 49	3 26	6 32	2 36	20 24	0 27	23 58	0 55	23 3	0 21	23 13	0 9	22 11	1 0	2 43	13 42	23 0	23 9	16 45			n.a.
W23	13 25	14 26	4 5	10 24	3 12	7 1	2 42	20 32	0 25	23 58	0 55	23 3	0 21	23 14	0 9	22 11	1 0	2 42	13 42	23 0	23 9	16 43			n.a.
T 24	13 5	18 8	3 16	11 0	2 57	7 30	2 49	20 39	0 24	23 59	0 55	23 2	0 21	23 14	0 9	22 11	1 0	2 41	13 41	23 0	23 9	16 42			n.a.
F 25	12 45	20 58	2 14	11 36	2 40	7 58	2 55	20 46	0 23	23 59	0 55	23 1	0 21	23 14	0 9	22 11	1 0	2 40	13 41	23 0	23 10	16 40			n.a.
S 26	12 24	22 40	1 3	12 12	2 21	8 26	3 1	20 53	0 22	23 59	0 55	23 0	0 21	23 14	0 9	22 11	1 0	2 39	13 40	23 0	23 10	16 38			n.a.
S 27	12 4	22 55	0s15	12 46	2 2	8 54	3 7	21 0	0 21	24 0	0 55	23 0	0 22	23 14	0 9	22 11	1 0	2 38	13 40	23 0	23 10	16 37			n.a.
M28	11 43	21 36	1 34	13 19	1 43	9 22	3 13	21 7	0 20	24 0	0 55	22 59	0 22	23 15	0 9	22 11	1 0	2 38	13 39	23 0	23 11	16 35			n.a.
T 29	11 22	18 43	2 47	13 49	1 23	9 49	3 19	21 13	0 19	24 0	0 55	22 58	0 22	23 15	0 9	22 11	1 0	2 37	13 39	23 0	23 11	16 33			n.a.
W30	11 1	14 31	3 49	14 16	1 3	10 16	3 25	21 20	0 18	24 0	0 55	22 58	0 22	23 15	0 9	22 11	1 0	2 36	13 38	23 1	23 11	16 31			n.a.
T 31	10n39	9s22	4s35	14n40	0s43	10s43	3s32	21n26	0s17	24s 1	0s55	22n57	0n22	23n15	0n 9	22n11	1s 0	2n35	13n38	23n 1	23n11	16n30			n.a.

Julian Day Number = 1636166.5, Delta T = 03h39m03s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'32, Lahiri = - 7°10'32 Julian Calendar 1 Aug. 234 BCE == Greg. Calendar 28 July 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

SEPTEMBER 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 22 35	3♍37'55	2♈11	18°D45	19♎45	7♊19	12°R48	17♋26	17♊15	18♊14	25♎56	13°R27	11♋45	25♌41	n.a.	F 1
S 2	22 26 31	4°37'02	16°55	18♌49	20°38	7°49	12♑46	17°32	17°16	18°15	25°58	13♋20	11°42	25°47	n.a.	S 2
S 3	22 30 28	5°36'11	1♉12	19° 3	21°31	8°19	12°44	17°38	17°17	18°15	25°59	13°14	11°39	25°54	n.a.	S 3
M 4	22 34 25	6°35'23	15° 0	19°28	22°23	8°48	12°42	17°44	17°19	18°16	26° 1	13° 9	11°36	26° 1	n.a.	M 4
T 5	22 38 21	7°34'38	28°19	20° 2	23°15	9°17	12°41	17°50	17°20	18°17	26° 3	13° 7	11°33	26° 7	n.a.	T 5
W 6	22 42 18	8°33'55	11♊11	20°45	24° 6	9°46	12°39	17°56	17°21	18°17	26° 4	13°D 7	11°30	26°14	n.a.	W 6
T 7	22 46 14	9°33'14	23°41	21°36	24°56	10°14	12°38	18° 2	17°22	18°18	26° 6	13° 7	11°26	26°21	n.a.	T 7
F 8	22 50 11	10°32'36	5♋53	22°35	25°46	10°42	12°37	18° 7	17°23	18°19	26° 8	13° 8	11°23	26°27	n.a.	F 8
S 9	22 54 7	11°32'00	17°54	23°41	26°35	11°10	12°36	18°13	17°24	18°19	26°10	13°R 8	11°20	26°34	n.a.	S 9
S 10	22 58 4	12°31'27	29°46	24°54	27°23	11°38	12°35	18°19	17°25	18°20	26°12	13° 7	11°17	26°41	n.a.	S 10
M11	23 2 0	13°30'55	11♌35	26°11	28°10	12° 5	12°35	18°24	17°26	18°20	26°14	13° 3	11°14	26°47	n.a.	M11
T 12	23 5 57	14°30'26	23°23	27°34	28°57	12°32	12°34	18°30	17°27	18°21	26°16	12°56	11°11	26°54	n.a.	T 12
W13	23 9 54	15°30'00	5♍13	29° 0	29°42	12°59	12°D34	18°35	17°28	18°21	26°17	12°47	11° 7	27° 1	n.a.	W13
T 14	23 13 50	16°29'35	17° 8	0♍30	0♏27	13°25	12°34	18°40	17°29	18°22	26°19	12°36	11° 4	27° 8	n.a.	T 14
F 15	23 17 47	17°29'12	29° 8	2° 2	1°11	13°51	12°35	18°45	17°29	18°22	26°21	12°23	11° 1	27°14	n.a.	F 15
S 16	23 21 43	18°28'52	11♎14	3°37	1°53	14°17	12°35	18°51	17°30	18°22	26°23	12°10	10°58	27°21	n.a.	S 16
S 17	23 25 40	19°28'33	23°29	5°14	2°35	14°42	12°36	18°56	17°31	18°23	26°25	11°59	10°55	27°28	n.a.	S 17
M18	23 29 36	20°28'17	5♏53	6°53	3°16	15° 7	12°37	19° 1	17°31	18°23	26°27	11°49	10°51	27°34	n.a.	M18
T 19	23 33 33	21°28'02	18°28	8°32	3°56	15°32	12°38	19° 6	17°32	18°23	26°29	11°42	10°48	27°41	n.a.	T 19
W20	23 37 29	22°27'50	1♐16	10°13	4°34	15°56	12°39	19°10	17°32	18°24	26°32	11°37	10°45	27°48	n.a.	W20
T 21	23 41 26	23°27'39	14°21	11°54	5°11	16°20	12°41	19°15	17°33	18°24	26°34	11°36	10°42	27°54	n.a.	T 21
F 22	23 45 22	24°27'30	27°44	13°35	5°47	16°44	12°43	19°20	17°33	18°24	26°36	11°D35	10°39	28° 1	n.a.	F 22
S 23	23 49 19	25°27'23	11♑30	15°17	6°22	17° 7	12°45	19°24	17°33	18°24	26°38	11°R35	10°36	28° 8	n.a.	S 23
S 24	23 53 16	26°27'17	25°38	16°59	6°56	17°30	12°47	19°29	17°33	18°24	26°40	11°35	10°32	28°14	n.a.	S 24
M25	23 57 12	27°27'13	10♒10	18°41	7°27	17°52	12°49	19°33	17°34	18°24	26°42	11°32	10°29	28°21	n.a.	M25
T 26	0 1 9	28°27'11	25° 1	20°22	7°58	18°14	12°52	19°37	17°34	18°R24	26°44	11°27	10°26	28°28	n.a.	T 26
W27	0 5 5	29°27'11	10♓ 5	22° 4	8°27	18°35	12°54	19°42	17°34	18°24	26°46	11°19	10°23	28°34	n.a.	W27
T 28	0 9 2	0♎27'12	25°14	23°45	8°54	18°57	12°57	19°46	17°R34	18°24	26°49	11° 9	10°20	28°41	n.a.	T 28
F 29	0 12 58	1°27'16	10♈16	25°26	9°20	19°17	13° 0	19°50	17°34	18°24	26°51	10°57	10°17	28°48	n.a.	F 29
S 30	0 16 55	2♎27'21	25♈ 3	27♍ 6	9♏44	19♊38	13♑ 4	19♋54	17♊34	18♊24	26♎53	10♋46	10♋13	28♌55	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n18	3s43	5s 1	15n 0	0s25	11s10	3s38	21n32	0s15	24s 1	0s55	22n56	0n22	23n15	0n 9	22n12	1s 0	2n34	13n37	23n 2	23n12	16n28		n.a.
S 2	9 56	2n 1	5 6	15 16	0 7	11 36	3 44	21 38	0 14	24 1	0 55	22 56	0 22	23 15	0 9	22 12	1 0	2 33	13 37	23 3	23 12	16 26		n.a.
S 3	9 34	7 28	4 52	15 27	0n10	12 2	3 50	21 44	0 13	24 1	0 55	22 55	0 22	23 15	0 9	22 12	1 0	2 32	13 37	23 3	23 12	16 25		n.a.
M 4	9 12	12 22	4 21	15 34	0 26	12 27	3 56	21 50	0 12	24 1	0 55	22 54	0 23	23 16	0 9	22 12	1 0	2 31	13 36	23 4	23 13	16 23		n.a.
T 5	8 50	16 30	3 37	15 37	0 41	12 52	4 2	21 56	0 10	24 2	0 55	22 54	0 23	23 16	0 9	22 12	1 0	2 30	13 36	23 4	23 13	16 21		n.a.
W 6	8 27	19 42	2 43	15 36	0 54	13 17	4 8	22 2	0 9	24 2	0 55	22 53	0 23	23 16	0 9	22 12	1 0	2 29	13 35	23 4	23 13	16 19		n.a.
T 7	8 5	21 52	1 43	15 31	1 6	13 42	4 14	22 7	0 8	24 2	0 55	22 52	0 23	23 16	0 9	22 12	1 1	2 28	13 35	23 4	23 13	16 18		n.a.
F 8	7 42	22 57	0 39	15 21	1 17	14 6	4 20	22 12	0 7	24 2	0 55	22 52	0 23	23 16	0 9	22 12	1 1	2 27	13 35	23 4	23 14	16 16		n.a.
S 9	7 19	22 56	0n25	15 8	1 26	14 29	4 26	22 18	0 5	24 2	0 55	22 51	0 23	23 16	0 9	22 12	1 1	2 26	13 34	23 4	23 14	16 14		n.a.
S 10	6 56	21 52	1 28	14 51	1 34	14 52	4 31	22 23	0 4	24 2	0 55	22 50	0 23	23 16	0 9	22 12	1 1	2 25	13 34	23 4	23 14	16 12		n.a.
M11	6 33	19 51	2 26	14 31	1 41	15 15	4 37	22 28	0 3	24 2	0 55	22 50	0 23	23 16	0 9	22 12	1 1	2 24	13 33	23 5	23 15	16 11		n.a.
T 12	6 10	16 59	3 18	14 7	1 46	15 37	4 43	22 33	0 1	24 2	0 55	22 49	0 23	23 17	0 9	22 12	1 1	2 23	13 33	23 5	23 15	16 9		n.a.
W13	5 47	13 26	4 1	13 41	1 51	15 59	4 48	22 38	0n 0	24 2	0 55	22 48	0 24	23 17	0 9	22 12	1 1	2 22	13 33	23 6	23 15	16 7		n.a.
T 14	5 24	9 20	4 33	13 12	1 54	16 20	4 54	22 42	0 2	24 2	0 55	22 48	0 24	23 17	0 9	22 12	1 1	2 21	13 32	23 7	23 15	16 5		n.a.
F 15	5 0	4 50	4 54	12 41	1 56	16 41	4 59	22 47	0 3	24 2	0 55	22 47	0 24	23 17	0 9	22 12	1 1	2 20	13 32	23 8	23 16	16 4		n.a.
S 16	4 36	0 8	5 2	12 7	1 58	17 1	5 5	22 51	0 4	24 2	0 55	22 47	0 24	23 17	0 9	22 12	1 1	2 19	13 32	23 10	23 16	16 2		n.a.
S 17	4 13	4s39	4 56	11 32	1 59	17 21	5 10	22 56	0 6	24 1	0 55	22 46	0 24	23 17	0 9	22 12	1 1	2 18	13 31	23 11	23 16	16 0		n.a.
M18	3 49	9 18	4 36	10 55	1 58	17 40	5 15	23 0	0 7	24 1	0 54	22 45	0 24	23 17	0 9	22 12	1 1	2 17	13 31	23 11	23 16	15 58		n.a.
T 19	3 25	13 38	4 3	10 17	1 58	17 59	5 20	23 4	0 9	24 1	0 54	22 45	0 24	23 17	0 9	22 12	1 1	2 15	13 31	23 12	23 17	15 57		n.a.
W20	3 1	17 27	3 17	9 37	1 56	18 17	5 25	23 9	0 10	24 1	0 54	22 44	0 25	23 17	0 9	22 12	1 1	2 14	13 30	23 12	23 17	15 55		n.a.
T 21	2 38	20 29	2 19	8 56	1 54	18 34	5 30	23 13	0 12	24 1	0 54	22 44	0 25	23 17	0 9	22 12	1 1	2 13	13 30	23 13	23 17	15 53		n.a.
F 22	2 14	22 29	1 13	8 14	1 51	18 51	5 35	23 16	0 13	24 0	0 54	22 43	0 25	23 17	0 9	22 12	1 1	2 12	13 30	23 13	23 17	15 51		n.a.
S 23	1 50	23 13	0 0	7 32	1 48	19 7	5 39	23 20	0 15	24 0	0 54	22 43	0 25	23 17	0 9	22 12	1 1	2 11	13 29	23 13	23 18	15 49		n.a.
S 24	1 26	22 28	1s14	6 48	1 45	19 23	5 43	23 24	0 17	24 0	0 54	22 42	0 25	23 17	0 9	22 12	1 1	2 10	13 29	23 13	23 18	15 47		n.a.
M25	1 1	20 14	2 25	6 4	1 41	19 37	5 47	23 28	0 18	24 0	0 54	22 42	0 25	23 17	0 9	22 12	1 1	2 9	13 29	23 13	23 18	15 46		n.a.
T 26	0 37	16 36	3 28	5 20	1 37	19 51	5 51	23 31	0 20	23 59	0 54	22 41	0 25	23 17	0 9	22 12	1 1	2 8	13 29	23 13	23 18	15 44		n.a.
W27	0 13	11 51	4 18	4 35	1 32	20 4	5 55	23 35	0 22	23 59	0 54	22 41	0 25	23 17	0 10	22 12	1 1	2 7	13 28	23 14	23 19	15 42		n.a.
T 28	0s11	6 20	4 49	3 50	1 27	20 17	5 58	23 39	0 23	23 59	0 54	22 40	0 26	23 18	0 10	22 12	1 1	2 6	13 28	23 15	23 19	15 40		n.a.
F 29	0 35	0 29	5 1	3 5	1 22	20 28	6 2	23 42	0 25	23 58	0 54	22 40	0 26	23 18	0 10	22 12	1 1	2 5	13 28	23 16	23 19	15 38		n.a.
S 30	0s59	5n18	4s51	2n20	1n16	20s39	6s 5	23n45	0n27	23s58	0s54	22n39	0n26	23n18	0n10	22n12	1s 1	2n 4	13n28	23n17	23n19	15n37		n.a.

Julian Day Number = 1636197.5, Delta T = 03h39m02s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'28, Lahiri = - 7°10'27 Julian Calendar 1 Sept. 234 BCE == Greg. Calendar 28 Aug. 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

OCTOBER 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 20 51	3♎27'29	9♉26	28♍46	10♏ 6	19♊57	13♑ 7	19♋58	17°R33	18°R24	26♎55	10°R36	10♋10	29♌ 1	n.a.	S 1
M 2	0 24 48	4°27'39	23°21	0♎26	10°26	20°17	13°11	20° 1	17♊33	18♊23	26°58	10♋28	10° 7	29° 8	n.a.	M 2
T 3	0 28 45	5°27'50	6♊46	2° 6	10°45	20°36	13°15	20° 5	17°33	18°23	27° 0	10°23	10° 4	29°15	n.a.	T 3
W 4	0 32 41	6°28'05	19°43	3°45	11° 1	20°54	13°19	20° 9	17°33	18°23	27° 2	10°21	10° 1	29°21	n.a.	W 4
T 5	0 36 38	7°28'21	2♋16	5°23	11°16	21°12	13°23	20°12	17°32	18°23	27° 4	10°20	9°57	29°28	n.a.	T 5
F 6	0 40 34	8°28'39	14°29	7° 1	11°28	21°30	13°27	20°16	17°32	18°22	27° 7	10°20	9°54	29°35	n.a.	F 6
S 7	0 44 31	9°29'00	26°29	8°39	11°38	21°46	13°32	20°19	17°31	18°22	27° 9	10°20	9°51	29°41	n.a.	S 7
S 8	0 48 27	10°29'22	8♌20	10°16	11°46	22° 3	13°37	20°22	17°31	18°22	27°11	10°17	9°48	29°48	n.a.	S 8
M 9	0 52 24	11°29'47	20° 9	11°53	11°52	22°19	13°42	20°25	17°30	18°21	27°14	10°13	9°45	29°55	n.a.	M 9
T 10	0 56 20	12°30'13	1♍58	13°30	11°56	22°34	13°47	20°28	17°30	18°21	27°16	10° 5	9°42	0♍ 1	n.a.	T 10
W11	1 0 17	13°30'42	13°51	15° 6	11°R57	22°49	13°52	20°31	17°29	18°20	27°18	9°55	9°38	0° 8	n.a.	W11
T 12	1 4 13	14°31'12	25°52	16°41	11°56	23° 3	13°57	20°34	17°28	18°20	27°21	9°42	9°35	0°15	n.a.	T 12
F 13	1 8 10	15°31'44	8♎ 2	18°17	11°52	23°16	14° 3	20°37	17°27	18°19	27°23	9°27	9°32	0°21	n.a.	F 13
S 14	1 12 7	16°32'18	20°21	19°52	11°46	23°29	14° 9	20°39	17°27	18°18	27°25	9°13	9°29	0°28	n.a.	S 14
S 15	1 16 3	17°32'53	2♏51	21°27	11°38	23°42	14°15	20°42	17°26	18°18	27°28	8°59	9°26	0°35	n.a.	S 15
M16	1 20 0	18°33'30	15°31	23° 1	11°27	23°54	14°21	20°44	17°25	18°17	27°30	8°48	9°22	0°42	n.a.	M16
T 17	1 23 56	19°34'09	28°21	24°36	11°14	24° 5	14°27	20°46	17°24	18°16	27°33	8°39	9°19	0°48	n.a.	T 17
W18	1 27 53	20°34'49	11♐22	26°10	10°58	24°15	14°34	20°48	17°23	18°16	27°35	8°34	9°16	0°55	n.a.	W18
T 19	1 31 49	21°35'30	24°35	27°44	10°40	24°25	14°41	20°50	17°22	18°15	27°37	8°31	9°13	1° 2	n.a.	T 19
F 20	1 35 46	22°36'12	8♑ 1	29°17	10°19	24°34	14°47	20°52	17°20	18°14	27°40	8°D31	9°10	1° 8	n.a.	F 20
S 21	1 39 42	23°36'56	21°43	0♏50	9°57	24°43	14°54	20°54	17°19	18°13	27°42	8°R31	9° 7	1°15	n.a.	S 21
S 22	1 43 39	24°37'41	5♒41	2°23	9°32	24°50	15° 2	20°56	17°18	18°13	27°45	8°30	9° 3	1°22	n.a.	S 22
M23	1 47 36	25°38'27	19°55	3°56	9° 5	24°58	15° 9	20°58	17°17	18°12	27°47	8°28	9° 0	1°28	n.a.	M23
T 24	1 51 32	26°39'14	4♓24	5°29	8°36	25° 4	15°16	20°59	17°15	18°11	27°49	8°24	8°57	1°35	n.a.	T 24
W25	1 55 29	27°40'03	19° 4	7° 2	8° 6	25°10	15°24	21° 1	17°14	18°10	27°52	8°16	8°54	1°42	n.a.	W25
T 26	1 59 25	28°40'52	3♈49	8°34	7°34	25°15	15°32	21° 2	17°13	18° 9	27°54	8° 7	8°51	1°49	n.a.	T 26
F 27	2 3 22	29°41'42	18°32	10° 6	7° 1	25°19	15°40	21° 3	17°11	18° 8	27°57	7°56	8°48	1°55	n.a.	F 27
S 28	2 7 18	0♏42'34	3♉ 5	11°38	6°26	25°22	15°48	21° 4	17°10	18° 7	27°59	7°45	8°44	2° 2	n.a.	S 28
S 29	2 11 15	1°43'27	17°19	13°10	5°51	25°25	15°56	21° 5	17° 8	18° 6	28° 1	7°35	8°41	2° 9	n.a.	S 29
M30	2 15 11	2°44'21	1♊11	14°42	5°15	25°27	16° 4	21° 6	17° 6	18° 5	28° 4	7°28	8°38	2°15	n.a.	M30
T 31	2 19 8	3♏45'17	14♊36	16♏13	4♏39	25♊28	16♑13	21♋ 7	17♊ 5	18♊ 4	28♎ 6	7♋23	8♋35	2♍22	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	1 s23	10n38	4 s24	1n34	1n11	20 s49	6 s 7	23n49	0n28	23 s58	0 s54	22n39	0n26	23n18	0n10	22n12	1 s 1	2n 3	13n27	23n18	23n20	15n35			n.a.
M 2	1 48	15 16	3 41	0 49	1 5	20 58	6 10	23 52	0 30	23 57	0 54	22 38	0 26	23 18	0 10	22 12	1 1	2 2	13 27	23 18	23 20	15 33			n.a.
T 3	2 12	18 57	2 48	0 3	0 59	21 6	6 12	23 55	0 32	23 57	0 54	22 38	0 26	23 18	0 10	22 12	1 1	2 1	13 27	23 19	23 20	15 31			n.a.
W 4	2 36	21 33	1 47	0 s42	0 53	21 13	6 14	23 58	0 34	23 56	0 54	22 38	0 26	23 18	0 10	22 12	1 1	2 0	13 27	23 19	23 20	15 29			n.a.
T 5	3 0	23 0	0 43	1 27	0 47	21 19	6 15	24 1	0 36	23 56	0 53	22 37	0 27	23 17	0 10	22 12	1 1	1 59	13 26	23 19	23 21	15 27			n.a.
F 6	3 24	23 17	0n22	2 12	0 40	21 24	6 16	24 4	0 38	23 55	0 53	22 37	0 27	23 17	0 10	22 11	1 1	1 58	13 26	23 19	23 21	15 25			n.a.
S 7	3 48	22 29	1 24	2 57	0 34	21 28	6 17	24 7	0 39	23 55	0 53	22 36	0 27	23 17	0 10	22 11	1 1	1 57	13 26	23 19	23 21	15 24			n.a.
S 8	4 12	20 41	2 22	3 42	0 27	21 30	6 17	24 10	0 41	23 54	0 53	22 36	0 27	23 17	0 10	22 11	1 1	1 56	13 26	23 19	23 21	15 22			n.a.
M 9	4 36	18 0	3 14	4 26	0 21	21 32	6 17	24 13	0 43	23 53	0 53	22 36	0 27	23 17	0 10	22 11	1 1	1 55	13 26	23 19	23 22	15 20			n.a.
T 10	5 0	14 35	3 57	5 10	0 14	21 32	6 16	24 16	0 45	23 53	0 53	22 36	0 27	23 17	0 10	22 11	1 1	1 54	13 25	23 20	23 22	15 18			n.a.
W11	5 24	10 34	4 30	5 54	0 8	21 32	6 15	24 19	0 47	23 52	0 53	22 35	0 27	23 17	0 10	22 11	1 1	1 53	13 25	23 21	23 22	15 16			n.a.
T 12	5 47	6 6	4 51	6 37	0 1	21 30	6 13	24 22	0 49	23 52	0 53	22 35	0 28	23 17	0 10	22 11	1 1	1 52	13 25	23 22	23 22	15 14			n.a.
F 13	6 11	1 21	4 59	7 20	0 s 5	21 26	6 11	24 24	0 51	23 51	0 53	22 35	0 28	23 17	0 10	22 11	1 1	1 51	13 25	23 23	23 23	15 12			n.a.
S 14	6 35	3 s31	4 54	8 2	0 12	21 22	6 8	24 27	0 54	23 50	0 53	22 34	0 28	23 17	0 10	22 11	1 1	1 50	13 25	23 24	23 23	15 10			n.a.
S 15	6 58	8 18	4 35	8 45	0 18	21 16	6 5	24 30	0 56	23 50	0 53	22 34	0 28	23 17	0 10	22 11	1 1	1 49	13 25	23 25	23 23	15 8			n.a.
M16	7 21	12 50	4 1	9 26	0 25	21 9	6 1	24 33	0 58	23 49	0 53	22 34	0 28	23 17	0 10	22 11	1 1	1 48	13 24	23 26	23 23	15 6			n.a.
T 17	7 45	16 51	3 15	10 7	0 31	21 0	5 56	24 35	1 0	23 48	0 53	22 34	0 28	23 17	0 10	22 11	1 1	1 48	13 24	23 26	23 23	15 5			n.a.
W18	8 8	20 8	2 18	10 48	0 38	20 50	5 50	24 38	1 2	23 47	0 53	22 34	0 28	23 17	0 10	22 11	1 1	1 47	13 24	23 27	23 24	15 3			n.a.
T 19	8 31	22 24	1 13	11 28	0 44	20 38	5 44	24 41	1 4	23 47	0 53	22 33	0 29	23 17	0 10	22 11	1 1	1 46	13 24	23 27	23 24	15 1			n.a.
F 20	8 54	23 26	0 3	12 8	0 50	20 25	5 38	24 43	1 7	23 46	0 53	22 33	0 29	23 17	0 10	22 10	1 2	1 45	13 24	23 27	23 24	14 59			n.a.
S 21	9 16	23 5	1 s 9	12 47	0 56	20 11	5 30	24 46	1 9	23 45	0 52	22 33	0 29	23 17	0 10	22 10	1 2	1 44	13 24	23 27	23 24	14 57			n.a.
S 22	9 39	21 19	2 19	13 25	1 2	19 55	5 22	24 49	1 11	23 44	0 52	22 33	0 29	23 16	0 10	22 10	1 2	1 43	13 24	23 27	23 25	14 55			n.a.
M23	10 2	18 11	3 21	14 3	1 8	19 38	5 13	24 51	1 14	23 43	0 52	22 33	0 29	23 16	0 10	22 10	1 2	1 42	13 24	23 27	23 25	14 53			n.a.
T 24	10 24	13 54	4 11	14 40	1 14	19 19	5 4	24 54	1 16	23 42	0 52	22 33	0 29	23 16	0 10	22 10	1 2	1 41	13 24	23 27	23 25	14 51			n.a.
W25	10 46	8 45	4 45	15 17	1 20	18 59	4 53	24 56	1 18	23 41	0 52	22 33	0 29	23 16	0 10	22 10	1 2	1 40	13 23	23 28	23 25	14 49			n.a.
T 26	11 8	3 4	5 1	15 52	1 25	18 38	4 43	24 59	1 21	23 40	0 52	22 33	0 30	23 16	0 10	22 10	1 2	1 39	13 23	23 28	23 25	14 47			n.a.
F 27	11 30	2n47	4 57	16 27	1 31	18 16	4 31	25 2	1 23	23 39	0 52	22 33	0 30	23 16	0 10	22 10	1 2	1 38	13 23	23 29	23 26	14 45			n.a.
S 28	11 51	8 24	4 33	17 1	1 36	17 53	4 19	25 4	1 26	23 38	0 52	22 33	0 30	23 16	0 10	22 10	1 2	1 37	13 23	23 30	23 26	14 43			n.a.
S 29	12 13	13 29	3 53	17 35	1 41	17 29	4 6	25 7	1 28	23 37	0 52	22 33	0 30	23 16	0 10	22 10	1 2	1 37	13 23	23 30	23 26	14 41			n.a.
M30	12 34	17 42	3 0	18 7	1 45	17 4	3 53	25 9	1 31	23 36	0 52	22 33	0 30	23 15	0 10	22 9	1 2	1 36	13 23	23 31	23 26	14 39			n.a.
T 31	12 s55	20n52	1 s58	18 s38	1 s50	16 s39	3 s39	25n12	1n33	23 s35	0 s52	22n33	0n30	23n15	0n10	22n 9	1 s 2	1n35	13n23	23n31	23n27	14n37			n.a.

Julian Day Number = 1636227.5, Delta T = 03h39m01s
Ecliptic obliquity = 23°43'24, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'24, Lahiri = - 7°10'23 Julian Calendar 1 Oct. 234 BCE == Greg. Calendar 27 Sept. 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

NOVEMBER 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 23 5	4♏46'14	27♊36	17♏45	4°R 2	25°R28	16♉21	21♋ 7	17°R 3	18°R 3	28♎ 9	7°R20	8♋32	2♍29	n.a.	W 1
T 2	2 27 1	5°47'13	10♋13	19°16	3♏26	25♊28	16°30	21° 8	17♊ 1	18♊ 1	28°11	7°D20	8°28	2°35	n.a.	T 2
F 3	2 30 58	6°48'13	22°30	20°47	2°50	25°27	16°39	21° 8	17° 0	18° 0	28°13	7♋20	8°25	2°42	n.a.	F 3
S 4	2 34 54	7°49'14	4♌33	22°17	2°14	25°25	16°48	21° 8	16°58	17°59	28°16	7°R21	8°22	2°49	n.a.	S 4
S 5	2 38 51	8°50'16	16°26	23°47	1°40	25°22	16°57	21° 9	16°56	17°58	28°18	7°21	8°19	2°55	n.a.	S 5
M 6	2 42 47	9°51'20	28°16	25°17	1° 7	25°18	17° 7	21°R 9	16°54	17°57	28°20	7°19	8°16	3° 2	n.a.	M 6
T 7	2 46 44	10°52'25	10♍ 7	26°46	0°35	25°13	17°16	21° 9	16°52	17°55	28°23	7°14	8°13	3° 9	n.a.	T 7
W 8	2 50 40	11°53'31	22° 4	28°15	0° 4	25° 8	17°26	21° 8	16°50	17°54	28°25	7° 8	8° 9	3°16	n.a.	W 8
T 9	2 54 37	12°54'38	4♎10	29°43	29♎35	25° 2	17°35	21° 8	16°48	17°53	28°28	6°59	8° 6	3°22	n.a.	T 9
F 10	2 58 34	13°55'46	16°28	1♐10	29° 8	24°54	17°45	21° 8	16°46	17°51	28°30	6°49	8° 3	3°29	n.a.	F 10
S 11	3 2 30	14°56'55	28°59	2°37	28°43	24°46	17°55	21° 7	16°44	17°50	28°32	6°38	8° 0	3°36	n.a.	S 11
S 12	3 6 27	15°58'05	11♏45	4° 2	28°20	24°37	18° 5	21° 7	16°42	17°49	28°35	6°29	7°57	3°42	n.a.	S 12
M13	3 10 23	16°59'15	24°45	5°26	28° 0	24°28	18°15	21° 6	16°40	17°47	28°37	6°21	7°53	3°49	n.a.	M13
T 14	3 14 20	18° 0'27	7♐58	6°48	27°41	24°17	18°26	21° 5	16°38	17°46	28°39	6°15	7°50	3°56	n.a.	T 14
W15	3 18 16	19° 1'39	21°21	8° 9	27°26	24° 6	18°36	21° 4	16°35	17°44	28°41	6°11	7°47	4° 2	n.a.	W15
T 16	3 22 13	20° 2'51	4♑56	9°28	27°12	23°54	18°47	21° 3	16°33	17°43	28°44	6°D10	7°44	4° 9	n.a.	T 16
F 17	3 26 10	21° 4'04	18°39	10°44	27° 1	23°41	18°57	21° 2	16°31	17°41	28°46	6°11	7°41	4°16	n.a.	F 17
S 18	3 30 6	22° 5'17	2♒30	11°57	26°52	23°27	19° 8	21° 1	16°29	17°40	28°48	6°12	7°38	4°23	n.a.	S 18
S 19	3 34 3	23° 6'31	16°30	13° 7	26°46	23°12	19°19	20°59	16°26	17°39	28°50	6°R13	7°34	4°29	n.a.	S 19
M20	3 37 59	24° 7'44	0♓37	14°13	26°43	22°57	19°30	20°58	16°24	17°37	28°53	6°13	7°31	4°36	n.a.	M20
T 21	3 41 56	25° 8'57	14°50	15°14	26°D42	22°41	19°41	20°56	16°22	17°35	28°55	6°12	7°28	4°43	n.a.	T 21
W22	3 45 52	26°10'11	29° 7	16°11	26°43	22°24	19°52	20°54	16°19	17°34	28°57	6° 8	7°25	4°49	n.a.	W22
T 23	3 49 49	27°11'24	13♈24	17° 1	26°46	22° 7	20° 4	20°53	16°17	17°32	28°59	6° 3	7°22	4°56	n.a.	T 23
F 24	3 53 45	28°12'38	27°37	17°45	26°53	21°49	20°15	20°51	16°15	17°31	29° 1	5°57	7°19	5° 3	n.a.	F 24
S 25	3 57 42	29°13'52	11♉42	18°21	27° 1	21°30	20°26	20°49	16°12	17°29	29° 4	5°50	7°15	5° 9	n.a.	S 25
S 26	4 1 39	0♐15'06	25°34	18°48	27°12	21°10	20°38	20°47	16°10	17°28	29° 6	5°45	7°12	5°16	n.a.	S 26
M27	4 5 35	1°16'20	9♊ 8	19° 6	27°24	20°50	20°50	20°44	16° 7	17°26	29° 8	5°41	7° 9	5°23	n.a.	M27
T 28	4 9 32	2°17'34	22°24	19°R14	27°39	20°30	21° 1	20°42	16° 5	17°24	29°10	5°38	7° 6	5°30	n.a.	T 28
W29	4 13 28	3°18'49	5♋18	19°10	27°57	20° 9	21°13	20°40	16° 2	17°23	29°12	5°D37	7° 3	5°36	n.a.	W29
T 30	4 17 25	4♐20'04	17♋54	18♐56	28♎16	19♊47	21♉25	20♋37	16♊ 0	17♊21	29♎14	5♋38	6♋59	5♍43	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	13s16	22n50	0s52	19s 9	1s54	16s13	3s24	25n15	1n36	23s34	0s52	22n33	0n31	23n15	0n10	22n 9	1s 2	1n34	13n23	23n31	23n27	14n35		n.a.	W 1
T 2	13 36	23 35	0n15	19 39	1 58	15 46	3 10	25 17	1 39	23 33	0 52	22 33	0 31	23 15	0 10	22 9	1 2	1 33	13 23	23 31	23 27	14 33		n.a.	T 2
F 3	13 57	23 8	1 20	20 7	2 2	15 20	2 55	25 20	1 41	23 32	0 52	22 33	0 31	23 15	0 10	22 9	1 2	1 32	13 23	23 31	23 27	14 31		n.a.	F 3
S 4	14 17	21 37	2 20	20 35	2 5	14 53	2 39	25 22	1 44	23 30	0 52	22 33	0 31	23 15	0 10	22 9	1 2	1 32	13 23	23 31	23 27	14 29		n.a.	S 4
S 5	14 37	19 10	3 13	21 1	2 9	14 26	2 24	25 25	1 47	23 29	0 52	22 33	0 31	23 15	0 10	22 9	1 2	1 31	13 23	23 31	23 28	14 27		n.a.	S 5
M 6	14 56	15 56	3 58	21 26	2 11	14 0	2 8	25 27	1 49	23 28	0 52	22 33	0 31	23 14	0 10	22 9	1 2	1 30	13 23	23 31	23 28	14 25		n.a.	M 6
T 7	15 16	12 3	4 32	21 50	2 14	13 34	1 53	25 30	1 52	23 27	0 52	22 33	0 31	23 14	0 10	22 9	1 2	1 29	13 23	23 31	23 28	14 23		n.a.	T 7
W 8	15 35	7 42	4 55	22 13	2 16	13 8	1 37	25 32	1 55	23 25	0 52	22 34	0 32	23 14	0 10	22 8	1 2	1 28	13 23	23 32	23 28	14 21		n.a.	W 8
T 9	15 54	2 59	5 5	22 34	2 17	12 43	1 21	25 35	1 57	23 24	0 51	22 34	0 32	23 14	0 10	22 8	1 2	1 28	13 23	23 32	23 28	14 19		n.a.	T 9
F 10	16 12	1s55	5 1	22 54	2 18	12 19	1 6	25 37	2 0	23 23	0 51	22 34	0 32	23 14	0 10	22 8	1 2	1 27	13 23	23 33	23 29	14 17		n.a.	F 10
S 11	16 31	6 50	4 43	23 12	2 19	11 56	0 51	25 40	2 3	23 21	0 51	22 34	0 32	23 13	0 10	22 8	1 2	1 26	13 23	23 33	23 29	14 15		n.a.	S 11
S 12	16 49	11 34	4 10	23 29	2 19	11 34	0 36	25 42	2 6	23 20	0 51	22 35	0 32	23 13	0 10	22 8	1 2	1 25	13 23	23 34	23 29	14 13		n.a.	S 12
M13	17 6	15 53	3 24	23 44	2 19	11 13	0 21	25 45	2 8	23 19	0 51	22 35	0 32	23 13	0 10	22 8	1 2	1 25	13 24	23 34	23 29	14 11		n.a.	M13
T 14	17 24	19 30	2 26	23 58	2 17	10 52	0 6	25 47	2 11	23 17	0 51	22 35	0 33	23 13	0 10	22 8	1 2	1 24	13 24	23 34	23 29	14 9		n.a.	T 14
W15	17 41	22 7	1 19	24 9	2 16	10 34	0n 8	25 49	2 14	23 16	0 51	22 35	0 33	23 13	0 10	22 7	1 2	1 23	13 24	23 35	23 29	14 7		n.a.	W15
T 16	17 58	23 31	0 7	24 19	2 13	10 16	0 21	25 51	2 17	23 14	0 51	22 36	0 33	23 12	0 10	22 7	1 2	1 22	13 24	23 35	23 30	14 5		n.a.	T 16
F 17	18 14	23 31	1s 7	24 27	2 10	9 59	0 35	25 53	2 19	23 13	0 51	22 36	0 33	23 12	0 10	22 7	1 2	1 22	13 24	23 35	23 30	14 3		n.a.	F 17
S 18	18 30	22 4	2 18	24 34	2 5	9 44	0 48	25 55	2 22	23 11	0 51	22 36	0 33	23 12	0 10	22 7	1 2	1 21	13 24	23 35	23 30	14 1		n.a.	S 18
S 19	18 46	19 16	3 21	24 38	2 0	9 30	1 0	25 57	2 25	23 9	0 51	22 37	0 33	23 12	0 10	22 7	1 2	1 20	13 24	23 34	23 30	13 59		n.a.	S 19
M20	19 2	15 18	4 12	24 40	1 54	9 18	1 12	25 59	2 27	23 8	0 51	22 37	0 34	23 12	0 10	22 7	1 2	1 20	13 24	23 34	23 30	13 57		n.a.	M20
T 21	19 17	10 28	4 49	24 40	1 47	9 7	1 24	26 1	2 30	23 6	0 51	22 38	0 34	23 11	0 10	22 7	1 2	1 19	13 24	23 35	23 31	13 55		n.a.	T 21
W22	19 31	5 3	5 8	24 38	1 39	8 57	1 35	26 3	2 33	23 4	0 51	22 38	0 34	23 11	0 10	22 6	1 2	1 19	13 24	23 35	23 31	13 53		n.a.	W22
T 23	19 46	0n38	5 7	24 34	1 30	8 48	1 46	26 4	2 35	23 3	0 51	22 38	0 34	23 11	0 10	22 6	1 2	1 18	13 25	23 35	23 31	13 51		n.a.	T 23
F 24	20 0	6 16	4 48	24 28	1 19	8 41	1 56	26 6	2 38	23 1	0 51	22 39	0 34	23 11	0 10	22 6	1 2	1 17	13 25	23 35	23 31	13 49		n.a.	F 24
S 25	20 13	11 32	4 12	24 19	1 7	8 35	2 6	26 7	2 41	22 59	0 51	22 39	0 34	23 10	0 10	22 6	1 2	1 17	13 25	23 36	23 31	13 47		n.a.	S 25
S 26	20 27	16 8	3 21	24 8	0 54	8 30	2 15	26 8	2 43	22 57	0 51	22 40	0 34	23 10	0 11	22 6	1 2	1 16	13 25	23 36	23 31	13 45		n.a.	S 26
M27	20 40	19 47	2 19	23 55	0 39	8 26	2 24	26 9	2 46	22 56	0 51	22 40	0 35	23 10	0 11	22 6	1 2	1 16	13 25	23 36	23 32	13 43		n.a.	M27
T 28	20 52	22 19	1 12	23 40	0 23	8 24	2 32	26 10	2 48	22 54	0 51	22 41	0 35	23 10	0 11	22 6	1 2	1 15	13 25	23 36	23 32	13 40		n.a.	T 28
W29	21 4	23 35	0 2	23 23	0 6	8 23	2 40	26 11	2 51	22 52	0 51	22 41	0 35	23 9	0 11	22 5	1 2	1 14	13 26	23 36	23 32	13 38		n.a.	W29
T 30	21s16	23n37	1n 7	23s 3	0n12	8s23	2n48	26n12	2n53	22s50	0s51	22n42	0n35	23n 9	0n11	22n 5	1s 2	1n14	13n26	23n36	23n32	13n36		n.a.	T 30

Julian Day Number = 1636258.5, Delta T = 03h39m00s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'19, Lahiri = - 7°10'19 Julian Calendar 1 Nov. 234 BCE == Greg. Calendar 28 Oct. 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 234 BCE
geocentric

DECEMBER 234 BCE (-233) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 21 21	5♐21'19	0♌12	18°R29	28♎37	19°R25	21♑37	20°R34	15°R57	17°R19	29♎16	5♋39	6♋56	5♍50	n.a.	F 1
S 2	4 25 18	6°22'34	12°17	17♐50	29° 0	19♊ 3	21°49	20♋32	15♊55	17♊18	29°18	5°41	6°53	5°56	n.a.	S 2
S 3	4 29 14	7°23'49	24°13	17° 0	29°25	18°40	22° 1	20°29	15°52	17°16	29°20	5°43	6°50	6° 3	n.a.	S 3
M 4	4 33 11	8°25'05	6♍ 4	16° 1	29°51	18°17	22°14	20°26	15°49	17°14	29°22	5°R44	6°47	6°10	n.a.	M 4
T 5	4 37 8	9°26'21	17°56	14°52	0♏20	17°53	22°26	20°23	15°47	17°13	29°24	5°43	6°44	6°17	n.a.	T 5
W 6	4 41 4	10°27'36	29°54	13°37	0°50	17°30	22°39	20°20	15°44	17°11	29°26	5°42	6°40	6°23	n.a.	W 6
T 7	4 45 1	11°28'52	12♎ 1	12°18	1°21	17° 6	22°51	20°17	15°42	17° 9	29°28	5°39	6°37	6°30	n.a.	T 7
F 8	4 48 57	12°30'08	24°23	10°58	1°54	16°42	23° 4	20°13	15°39	17° 8	29°30	5°36	6°34	6°37	n.a.	F 8
S 9	4 52 54	13°31'23	7♏ 1	9°38	2°29	16°18	23°16	20°10	15°37	17° 6	29°32	5°32	6°31	6°43	n.a.	S 9
S 10	4 56 50	14°32'39	19°58	8°22	3° 5	15°54	23°29	20° 7	15°34	17° 4	29°34	5°28	6°28	6°50	n.a.	S 10
M11	5 0 47	15°33'54	3♐15	7°12	3°42	15°30	23°42	20° 3	15°31	17° 3	29°36	5°26	6°25	6°57	n.a.	M11
T 12	5 4 43	16°35'09	16°49	6° 9	4°21	15° 6	23°55	19°59	15°29	17° 1	29°37	5°24	6°21	7° 3	n.a.	T 12
W13	5 8 40	17°36'24	0♑39	5°14	5° 0	14°42	24° 8	19°56	15°26	16°59	29°39	5°D23	6°18	7°10	n.a.	W13
T 14	5 12 37	18°37'38	14°41	4°29	5°41	14°18	24°21	19°52	15°24	16°57	29°41	5°23	6°15	7°17	n.a.	T 14
F 15	5 16 33	19°38'51	28°52	3°54	6°24	13°54	24°34	19°48	15°21	16°56	29°43	5°24	6°12	7°24	n.a.	F 15
S 16	5 20 30	20°40'04	13♒ 8	3°28	7° 7	13°31	24°47	19°44	15°18	16°54	29°44	5°25	6° 9	7°30	n.a.	S 16
S 17	5 24 26	21°41'15	27°25	3°12	7°51	13° 8	25° 0	19°40	15°16	16°52	29°46	5°26	6° 5	7°37	n.a.	S 17
M18	5 28 23	22°42'26	11♓40	3°D 4	8°36	12°45	25°13	19°36	15°13	16°51	29°48	5°27	6° 2	7°44	n.a.	M18
T 19	5 32 19	23°43'36	25°50	3° 6	9°22	12°23	25°27	19°32	15°11	16°49	29°49	5°R27	5°59	7°50	n.a.	T 19
W20	5 36 16	24°44'44	9♈55	3°15	10°10	12° 1	25°40	19°28	15° 8	16°47	29°51	5°27	5°56	7°57	n.a.	W20
T 21	5 40 13	25°45'52	23°51	3°31	10°58	11°40	25°53	19°24	15° 6	16°46	29°53	5°26	5°53	8° 4	n.a.	T 21
F 22	5 44 9	26°46'58	7♉37	3°55	11°47	11°19	26° 7	19°20	15° 3	16°44	29°54	5°25	5°50	8°11	n.a.	F 22
S 23	5 48 6	27°48'03	21°13	4°24	12°36	10°58	26°21	19°15	15° 0	16°42	29°56	5°24	5°46	8°17	n.a.	S 23
S 24	5 52 2	28°49'08	4♊36	4°59	13°27	10°38	26°34	19°11	14°58	16°41	29°57	5°23	5°43	8°24	n.a.	S 24
M25	5 55 59	29°50'11	17°45	5°39	14°18	10°19	26°48	19° 6	14°55	16°39	29°59	5°22	5°40	8°31	n.a.	M25
T 26	5 59 55	0♑51'14	0♋40	6°24	15°10	10° 1	27° 1	19° 2	14°53	16°37	0♏ 0	5°D22	5°37	8°37	n.a.	T 26
W27	6 3 52	1°52'15	13°21	7°13	16° 3	9°43	27°15	18°57	14°51	16°36	0° 1	5°22	5°34	8°44	n.a.	W27
T 28	6 7 48	2°53'15	25°48	8° 5	16°56	9°25	27°29	18°53	14°48	16°34	0° 3	5°22	5°31	8°51	n.a.	T 28
F 29	6 11 45	3°54'15	8♌ 3	9° 1	17°50	9° 9	27°43	18°48	14°46	16°32	0° 4	5°22	5°27	8°58	n.a.	F 29
S 30	6 15 42	4°55'13	20° 6	10° 0	18°45	8°53	27°57	18°44	14°43	16°31	0° 5	5°R23	5°24	9° 4	n.a.	S 30
S 31	6 19 38	5♑56'11	2♍ 2	11♐ 2	19♏40	8♊38	28♑10	18♋39	14♊41	16♊29	0♏ 7	5♋23	5♋21	9♍11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21 s27	22n28	2n11	22 s42	0n31	8 s23	2n55	26n12	2n55	22 s48	0 s51	22n42	0n35	23n 9	0n11	22n 5	1 s 2	1n13	13n26	23n36	23n32	13n34		n.a.
S 2	21 38	20 19	3 8	22 19	0 51	8 25	3 1	26 13	2 57	22 46	0 51	22 43	0 35	23 9	0 11	22 5	1 2	1 13	13 26	23 36	23 32	13 32		n.a.
S 3	21 48	17 18	3 56	21 55	1 11	8 28	3 8	26 13	3 0	22 44	0 51	22 44	0 36	23 8	0 11	22 5	1 2	1 12	13 26	23 36	23 33	13 30		n.a.
M 4	21 58	13 37	4 33	21 29	1 30	8 32	3 13	26 13	3 2	22 42	0 51	22 44	0 36	23 8	0 11	22 5	1 2	1 12	13 27	23 36	23 33	13 28		n.a.
T 5	22 8	9 24	4 59	21 2	1 50	8 37	3 19	26 13	3 4	22 40	0 51	22 45	0 36	23 8	0 11	22 4	1 2	1 11	13 27	23 36	23 33	13 26		n.a.
W 6	22 17	4 49	5 13	20 35	2 8	8 43	3 24	26 12	3 6	22 38	0 51	22 45	0 36	23 8	0 11	22 4	1 2	1 11	13 27	23 36	23 33	13 24		n.a.
T 7	22 26	0 s 2	5 12	20 9	2 25	8 49	3 29	26 12	3 8	22 36	0 51	22 46	0 36	23 7	0 11	22 4	1 2	1 11	13 27	23 36	23 33	13 21		n.a.
F 8	22 34	4 57	4 58	19 43	2 39	8 57	3 33	26 11	3 9	22 34	0 51	22 47	0 36	23 7	0 11	22 4	1 2	1 10	13 27	23 36	23 33	13 19		n.a.
S 9	22 42	9 48	4 28	19 19	2 52	9 5	3 37	26 11	3 11	22 31	0 51	22 47	0 36	23 7	0 11	22 4	1 2	1 10	13 28	23 36	23 34	13 17		n.a.
S 10	22 49	14 20	3 45	18 58	3 2	9 14	3 41	26 10	3 13	22 29	0 51	22 48	0 37	23 6	0 11	22 4	1 2	1 9	13 28	23 36	23 34	13 15		n.a.
M11	22 56	18 18	2 48	18 39	3 10	9 23	3 44	26 8	3 14	22 27	0 51	22 49	0 37	23 6	0 11	22 3	1 2	1 9	13 28	23 37	23 34	13 13		n.a.
T 12	23 2	21 23	1 41	18 23	3 16	9 33	3 47	26 7	3 16	22 25	0 51	22 49	0 37	23 6	0 11	22 3	1 2	1 9	13 28	23 37	23 34	13 11		n.a.
W13	23 8	23 17	0 26	18 10	3 19	9 44	3 50	26 6	3 17	22 22	0 51	22 50	0 37	23 6	0 11	22 3	1 2	1 8	13 29	23 37	23 34	13 9		n.a.
T 14	23 14	23 45	0 s51	18 1	3 20	9 55	3 53	26 4	3 18	22 20	0 51	22 51	0 37	23 5	0 11	22 3	1 2	1 8	13 29	23 37	23 34	13 7		n.a.
F 15	23 19	22 41	2 6	17 55	3 19	10 7	3 55	26 2	3 20	22 18	0 51	22 51	0 37	23 5	0 11	22 3	1 2	1 7	13 29	23 37	23 35	13 4		n.a.
S 16	23 23	20 10	3 14	17 53	3 17	10 19	3 57	26 1	3 21	22 15	0 51	22 52	0 37	23 5	0 11	22 3	1 2	1 7	13 30	23 37	23 35	13 2		n.a.
S 17	23 28	16 25	4 10	17 54	3 13	10 32	3 58	25 59	3 22	22 13	0 51	22 53	0 38	23 5	0 11	22 3	1 2	1 7	13 30	23 37	23 35	13 0		n.a.
M18	23 31	11 44	4 50	17 57	3 7	10 45	4 0	25 57	3 23	22 11	0 51	22 54	0 38	23 4	0 11	22 2	1 2	1 7	13 30	23 37	23 35	12 58		n.a.
T 19	23 34	6 26	5 12	18 4	3 1	10 59	4 1	25 55	3 24	22 8	0 51	22 54	0 38	23 4	0 11	22 2	1 2	1 6	13 30	23 37	23 35	12 56		n.a.
W20	23 37	0 52	5 16	18 12	2 54	11 13	4 2	25 52	3 24	22 6	0 51	22 55	0 38	23 4	0 11	22 2	1 2	1 6	13 31	23 37	23 35	12 54		n.a.
T 21	23 39	4n43	5 0	18 23	2 46	11 27	4 3	25 50	3 25	22 3	0 51	22 56	0 38	23 3	0 11	22 2	1 2	1 6	13 31	23 37	23 35	12 51		n.a.
F 22	23 41	10 0	4 28	18 36	2 38	11 42	4 3	25 48	3 26	22 0	0 51	22 57	0 38	23 3	0 11	22 2	1 2	1 6	13 31	23 37	23 36	12 49		n.a.
S 23	23 42	14 43	3 41	18 50	2 29	11 57	4 3	25 45	3 26	21 58	0 51	22 57	0 38	23 3	0 11	22 2	1 2	1 5	13 32	23 37	23 36	12 47		n.a.
S 24	23 43	18 39	2 43	19 5	2 20	12 12	4 3	25 43	3 27	21 55	0 51	22 58	0 39	23 3	0 11	22 2	1 2	1 5	13 32	23 37	23 36	12 45		n.a.
M25	23 43	21 33	1 36	19 21	2 11	12 27	4 3	25 40	3 27	21 53	0 51	22 59	0 39	23 2	0 11	22 1	1 2	1 5	13 32	23 37	23 36	12 43		n.a.
T 26	23 43	23 17	0 26	19 38	2 2	12 43	4 3	25 38	3 27	21 50	0 51	23 0	0 39	23 2	0 11	22 1	1 2	1 5	13 33	23 37	23 36	12 40		n.a.
W27	23 43	23 47	0n44	19 56	1 52	12 58	4 2	25 35	3 27	21 47	0 51	23 0	0 39	23 2	0 11	22 1	1 2	1 5	13 33	23 37	23 36	12 38		n.a.
T 28	23 41	23 3	1 51	20 14	1 42	13 14	4 1	25 33	3 27	21 45	0 51	23 1	0 39	23 1	0 11	22 1	1 2	1 4	13 33	23 37	23 36	12 36		n.a.
F 29	23 40	21 14	2 52	20 32	1 33	13 30	4 1	25 30	3 28	21 42	0 51	23 2	0 39	23 1	0 11	22 1	1 2	1 4	13 34	23 37	23 37	12 34		n.a.
S 30	23 38	18 29	3 44	20 51	1 23	13 46	3 59	25 27	3 28	21 39	0 51	23 3	0 39	23 1	0 11	22 1	1 1	1 4	13 34	23 37	23 37	12 32		n.a.
S 31	23 s35	14n59	4n25	21 s 9	1n14	14 s 2	3n58	25n25	3n27	21 s36	0 s51	23n 4	0n39	23n 1	0n11	22n 1	1 s 1	1n 4	13n34	23n37	23n37	12n29		n.a.

Julian Day Number = 1636288.5, Delta T = 03h38m59s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'15, Lahiri = - 7°10'15 Julian Calendar 1 Dec. 234 BCE == Greg. Calendar 27 Nov. 234 BCE

The year -233 astronomical counting style corresponds to year 234 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

JANUARY 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 23 35	6♑57'08	13♍54	12♐ 6	20♏36	8°R23	28♑24	18°R34	14°R39	16°R28	0♏ 8	5°R22	5♋18	9♍18	n.a.	M 1
T 2	6 27 31	7°58'03	25°46	13°13	21°33	8♊10	28°38	18♋29	14♊36	16♊26	0° 9	5♋22	5°15	9°24	n.a.	T 2
W 3	6 31 28	8°58'58	7♎43	14°22	22°30	7°57	28°52	18°25	14°34	16°25	0°10	5°D22	5°11	9°31	n.a.	W 3
T 4	6 35 24	9°59'51	19°49	15°33	23°27	7°45	29° 6	18°20	14°32	16°23	0°12	5°22	5° 8	9°38	n.a.	T 4
F 5	6 39 21	11° 0'44	2♏ 8	16°46	24°25	7°33	29°20	18°15	14°29	16°21	0°13	5°23	5° 5	9°44	n.a.	F 5
S 6	6 43 17	12° 1'36	14°45	18° 0	25°24	7°23	29°35	18°10	14°27	16°20	0°14	5°23	5° 2	9°51	n.a.	S 6
S 7	6 47 14	13° 2'26	27°44	19°16	26°23	7°13	29°49	18° 5	14°25	16°18	0°15	5°24	4°59	9°58	n.a.	S 7
M 8	6 51 11	14° 3'16	11♐ 7	20°33	27°22	7° 4	0♒ 3	18° 0	14°23	16°17	0°16	5°25	4°56	10° 5	n.a.	M 8
T 9	6 55 7	15° 4'04	24°53	21°52	28°22	6°56	0°17	17°56	14°21	16°16	0°17	5°25	4°52	10°11	n.a.	T 9
W10	6 59 4	16° 4'51	9♑ 2	23°12	29°22	6°48	0°31	17°51	14°19	16°14	0°18	5°R25	4°49	10°18	n.a.	W10
T 11	7 3 0	17° 5'36	23°29	24°34	0♐23	6°42	0°45	17°46	14°16	16°13	0°19	5°25	4°46	10°25	n.a.	T 11
F 12	7 6 57	18° 6'20	8♒ 9	25°56	1°23	6°36	1° 0	17°41	14°14	16°11	0°20	5°24	4°43	10°31	n.a.	F 12
S 13	7 10 53	19° 7'02	22°54	27°20	2°25	6°31	1°14	17°36	14°12	16°10	0°20	5°22	4°40	10°38	n.a.	S 13
S 14	7 14 50	20° 7'43	7♓38	28°45	3°26	6°27	1°28	17°31	14°10	16° 9	0°21	5°20	4°37	10°45	n.a.	S 14
M15	7 18 47	21° 8'21	22°14	0♑11	4°28	6°24	1°43	17°26	14° 8	16° 7	0°22	5°19	4°33	10°52	n.a.	M15
T 16	7 22 43	22° 8'58	6♈37	1°38	5°31	6°21	1°57	17°21	14° 7	16° 6	0°23	5°17	4°30	10°58	n.a.	T 16
W17	7 26 40	23° 9'33	20°43	3° 6	6°33	6°19	2°11	17°17	14° 5	16° 5	0°24	5°D17	4°27	11° 5	n.a.	W17
T 18	7 30 36	24°10'06	4♉32	4°35	7°36	6°18	2°26	17°12	14° 3	16° 3	0°24	5°17	4°24	11°12	n.a.	T 18
F 19	7 34 33	25°10'36	18° 3	6° 5	8°39	6°D18	2°40	17° 7	14° 1	16° 2	0°25	5°18	4°21	11°18	n.a.	F 19
S 20	7 38 29	26°11'05	1♊18	7°36	9°43	6°18	2°55	17° 2	13°59	16° 1	0°25	5°19	4°17	11°25	n.a.	S 20
S 21	7 42 26	27°11'32	14°17	9° 7	10°47	6°20	3° 9	16°57	13°58	16° 0	0°26	5°21	4°14	11°32	n.a.	S 21
M22	7 46 22	28°11'57	27° 3	10°40	11°51	6°22	3°23	16°53	13°56	15°58	0°27	5°22	4°11	11°39	n.a.	M22
T 23	7 50 19	29°12'20	9♋37	12°14	12°55	6°24	3°38	16°48	13°54	15°57	0°27	5°R22	4° 8	11°45	n.a.	T 23
W24	7 54 16	0♒12'41	22° 0	13°49	14° 0	6°28	3°52	16°43	13°53	15°56	0°28	5°21	4° 5	11°52	n.a.	W24
T 25	7 58 12	1°13'01	4♌15	15°25	15° 4	6°32	4° 7	16°38	13°51	15°55	0°28	5°19	4° 2	11°59	n.a.	T 25
F 26	8 2 9	2°13'18	16°21	17° 1	16° 9	6°37	4°21	16°34	13°50	15°54	0°28	5°15	3°58	12° 5	n.a.	F 26
S 27	8 6 5	3°13'34	28°20	18°39	17°14	6°42	4°36	16°29	13°48	15°53	0°29	5°10	3°55	12°12	n.a.	S 27
S 28	8 10 2	4°13'48	10♍14	20°18	18°20	6°48	4°50	16°25	13°47	15°52	0°29	5° 5	3°52	12°19	n.a.	S 28
M29	8 13 58	5°14'00	22° 6	21°58	19°26	6°55	5° 4	16°20	13°46	15°51	0°29	5° 0	3°49	12°26	n.a.	M29
T 30	8 17 55	6°14'10	3♎58	23°38	20°31	7° 2	5°19	16°16	13°44	15°50	0°30	4°55	3°46	12°32	n.a.	T 30
W31	8 21 51	7♒14'19	15♎54	25♑20	21♐37	7♊10	5♒33	16♋11	13♊43	15♊49	0♏30	4♋51	3♋43	12♍39	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23s32	10n56	4n55	21s27	1n 4	14s19	3n57	25n22	3n27	21s33	0s51	23n 4	0n40	23n 0	0n11	22n 0	1s 1	1n 4	13n35	23n37	23n37	12n27			n.a.
T 2	23 29	6 28	5 13	21 45	0 55	14 35	3 55	25 20	3 27	21 31	0 51	23 5	0 40	23 0	0 11	22 0	1 1	1 4	13 35	23 37	23 37	12 25			n.a.
W 3	23 25	1 45	5 17	22 3	0 45	14 51	3 53	25 18	3 27	21 28	0 51	23 6	0 40	23 0	0 11	22 0	1 1	1 4	13 35	23 37	23 37	12 23			n.a.
T 4	23 20	3s 6	5 7	22 20	0 36	15 7	3 52	25 15	3 26	21 25	0 51	23 7	0 40	23 0	0 11	22 0	1 1	1 4	13 36	23 37	23 37	12 20			n.a.
F 5	23 16	7 55	4 43	22 36	0 27	15 23	3 50	25 13	3 26	21 22	0 51	23 7	0 40	22 59	0 11	22 0	1 1	1 4	13 36	23 37	23 37	12 18			n.a.
S 6	23 10	12 33	4 6	22 52	0 18	15 39	3 47	25 11	3 26	21 19	0 51	23 8	0 40	22 59	0 11	22 0	1 1	1 4	13 36	23 37	23 38	12 16			n.a.
S 7	23 5	16 44	3 14	23 7	0 10	15 55	3 45	25 9	3 25	21 16	0 51	23 9	0 40	22 59	0 11	22 0	1 1	1 4	13 37	23 37	23 38	12 14			n.a.
M 8	22 58	20 13	2 11	23 22	0 1	16 11	3 43	25 6	3 25	21 13	0 51	23 10	0 40	22 59	0 11	21 59	1 1	1 4	13 37	23 37	23 38	12 12			n.a.
T 9	22 52	22 39	0 58	23 35	0s 7	16 27	3 40	25 4	3 24	21 10	0 51	23 11	0 41	22 58	0 11	21 59	1 1	1 4	13 38	23 37	23 38	12 9			n.a.
W10	22 44	23 45	0s20	23 48	0 15	16 43	3 38	25 3	3 23	21 7	0 51	23 11	0 41	22 58	0 11	21 59	1 1	1 4	13 38	23 37	23 38	12 7			n.a.
T 11	22 37	23 16	1 38	23 59	0 23	16 58	3 35	25 1	3 23	21 4	0 51	23 12	0 41	22 58	0 11	21 59	1 1	1 4	13 38	23 37	23 38	12 5			n.a.
F 12	22 29	21 12	2 51	24 10	0 30	17 13	3 32	24 59	3 22	21 1	0 51	23 13	0 41	22 58	0 11	21 59	1 1	1 4	13 39	23 37	23 38	12 3			n.a.
S 13	22 21	17 43	3 53	24 20	0 38	17 29	3 29	24 57	3 21	20 57	0 51	23 14	0 41	22 57	0 11	21 59	1 1	1 4	13 39	23 37	23 38	12 0			n.a.
S 14	22 12	13 7	4 40	24 28	0 45	17 43	3 26	24 56	3 21	20 54	0 52	23 14	0 41	22 57	0 11	21 59	1 1	1 4	13 39	23 37	23 39	11 58			n.a.
M15	22 2	7 49	5 8	24 35	0 52	17 58	3 23	24 55	3 20	20 51	0 52	23 15	0 41	22 57	0 11	21 59	1 1	1 4	13 40	23 37	23 39	11 56			n.a.
T 16	21 53	2 10	5 16	24 41	0 58	18 12	3 20	24 53	3 19	20 48	0 52	23 16	0 41	22 57	0 11	21 59	1 1	1 4	13 40	23 37	23 39	11 53			n.a.
W17	21 43	3n29	5 5	24 46	1 5	18 26	3 16	24 52	3 18	20 45	0 52	23 17	0 41	22 57	0 11	21 58	1 1	1 4	13 41	23 37	23 39	11 51			n.a.
T 18	21 32	8 51	4 36	24 49	1 11	18 40	3 13	24 51	3 17	20 41	0 52	23 17	0 41	22 56	0 11	21 58	1 1	1 4	13 41	23 37	23 39	11 49			n.a.
F 19	21 21	13 42	3 52	24 52	1 17	18 53	3 9	24 50	3 16	20 38	0 52	23 18	0 42	22 56	0 11	21 58	1 1	1 5	13 41	23 37	23 39	11 47			n.a.
S 20	21 10	17 47	2 57	24 52	1 22	19 7	3 6	24 49	3 15	20 35	0 52	23 19	0 42	22 56	0 11	21 58	1 1	1 5	13 42	23 37	23 39	11 44			n.a.
S 21	20 58	20 54	1 54	24 52	1 27	19 19	3 2	24 49	3 14	20 32	0 52	23 19	0 42	22 56	0 11	21 58	1 1	1 5	13 42	23 37	23 39	11 42			n.a.
M22	20 46	22 56	0 46	24 49	1 32	19 32	2 58	24 48	3 14	20 28	0 52	23 20	0 42	22 55	0 11	21 58	1 1	1 5	13 43	23 37	23 39	11 40			n.a.
T 23	20 34	23 45	0n23	24 46	1 37	19 44	2 55	24 48	3 13	20 25	0 52	23 21	0 42	22 55	0 11	21 58	1 1	1 5	13 43	23 37	23 39	11 37			n.a.
W24	20 21	23 23	1 30	24 41	1 41	19 55	2 51	24 47	3 12	20 21	0 52	23 21	0 42	22 55	0 11	21 58	1 1	1 6	13 43	23 37	23 40	11 35			n.a.
T 25	20 7	21 53	2 32	24 34	1 45	20 7	2 47	24 47	3 11	20 18	0 52	23 22	0 42	22 55	0 11	21 58	1 1	1 6	13 44	23 37	23 40	11 33			n.a.
F 26	19 54	19 24	3 26	24 25	1 49	20 17	2 43	24 47	3 10	20 15	0 52	23 23	0 42	22 55	0 11	21 58	1 1	1 6	13 44	23 37	23 40	11 31			n.a.
S 27	19 40	16 6	4 10	24 16	1 52	20 28	2 39	24 47	3 9	20 11	0 52	23 23	0 42	22 55	0 11	21 58	1 1	1 6	13 45	23 37	23 40	11 28			n.a.
S 28	19 26	12 11	4 44	24 4	1 55	20 38	2 35	24 47	3 8	20 8	0 52	23 24	0 42	22 54	0 11	21 58	1 1	1 6	13 45	23 37	23 40	11 26			n.a.
M29	19 11	7 49	5 4	23 51	1 58	20 47	2 31	24 47	3 7	20 4	0 52	23 25	0 42	22 54	0 11	21 57	1 1	1 7	13 45	23 38	23 40	11 24			n.a.
T 30	18 56	3 10	5 12	23 36	2 0	20 56	2 27	24 47	3 6	20 1	0 53	23 25	0 42	22 54	0 11	21 57	1 1	1 7	13 46	23 38	23 40	11 21			n.a.
W31	18s41	1s37	5n 6	23s19	2s 2	21s 5	2n23	24n48	3n 4	19s57	0s53	23n26	0n43	22n54	0n11	21n57	1s 0	1n 7	13n46	23n38	23n40	11n19			n.a.

Julian Day Number = 1636319.5, Delta T = 03h38m58s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'11, Lahiri = - 7°10'11 Julian Calendar 1 Jan. 233 BCE == Greg. Calendar 28 Dec. 234 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

FEBRUARY 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 25 48	8♒14'25	27♎57	27♑ 3	22♐44	7♊19	5♒48	16°R 7	13°R42	15°R48	0♏30	4°R49	3♋39	12♍46	n.a.	T 1
F 2	8 29 44	9°14'31	10♏13	28°47	23°50	7°28	6° 2	16♋ 3	13♊41	15♊47	0°30	4°D49	3°36	12°52	n.a.	F 2
S 3	8 33 41	10°14'34	22°45	0♒32	24°57	7°37	6°17	15°58	13°40	15°46	0°30	4♋49	3°33	12°59	n.a.	S 3
S 4	8 37 38	11°14'36	5♐39	2°18	26° 3	7°48	6°31	15°54	13°38	15°46	0°30	4°51	3°30	13° 6	n.a.	S 4
M 5	8 41 34	12°14'36	18°57	4° 5	27°10	7°59	6°46	15°50	13°37	15°45	0°31	4°52	3°27	13°13	n.a.	M 5
T 6	8 45 31	13°14'35	2♑43	5°54	28°17	8°10	7° 0	15°46	13°36	15°44	0°R31	4°R53	3°23	13°19	n.a.	T 6
W 7	8 49 27	14°14'31	16°56	7°43	29°25	8°22	7°14	15°42	13°36	15°43	0°31	4°53	3°20	13°26	n.a.	W 7
T 8	8 53 24	15°14'26	1♒35	9°34	0♑32	8°35	7°29	15°38	13°35	15°43	0°30	4°50	3°17	13°33	n.a.	T 8
F 9	8 57 20	16°14'19	16°32	11°25	1°40	8°48	7°43	15°34	13°34	15°42	0°30	4°46	3°14	13°39	n.a.	F 9
S 10	9 1 17	17°14'09	1♓40	13°18	2°47	9° 1	7°58	15°31	13°33	15°41	0°30	4°40	3°11	13°46	n.a.	S 10
S 11	9 5 13	18°13'58	16°49	15°12	3°55	9°15	8°12	15°27	13°32	15°41	0°30	4°33	3° 8	13°53	n.a.	S 11
M12	9 9 10	19°13'44	1♈49	17° 7	5° 3	9°30	8°26	15°23	13°32	15°40	0°30	4°27	3° 4	14° 0	n.a.	M12
T 13	9 13 7	20°13'27	16°31	19° 3	6°11	9°45	8°40	15°20	13°31	15°40	0°30	4°21	3° 1	14° 6	n.a.	T 13
W14	9 17 3	21°13'09	0♉51	21° 0	7°19	10° 0	8°55	15°16	13°31	15°39	0°29	4°17	2°58	14°13	n.a.	W14
T 15	9 21 0	22°12'47	14°45	22°58	8°27	10°16	9° 9	15°13	13°30	15°39	0°29	4°15	2°55	14°20	n.a.	T 15
F 16	9 24 56	23°12'24	28°14	24°56	9°36	10°33	9°23	15° 9	13°30	15°38	0°29	4°D15	2°52	14°26	n.a.	F 16
S 17	9 28 53	24°11'58	11♊20	26°56	10°44	10°49	9°38	15° 6	13°29	15°38	0°28	4°16	2°49	14°33	n.a.	S 17
S 18	9 32 49	25°11'30	24° 7	28°56	11°53	11° 7	9°52	15° 3	13°29	15°37	0°28	4°17	2°45	14°40	n.a.	S 18
M19	9 36 46	26°11'00	6♋38	0♓56	13° 1	11°24	10° 6	15° 0	13°29	15°37	0°28	4°R18	2°42	14°47	n.a.	M19
T 20	9 40 42	27°10'27	18°57	2°57	14°10	11°42	10°20	14°57	13°28	15°37	0°27	4°17	2°39	14°53	n.a.	T 20
W21	9 44 39	28° 9'51	1♌ 6	4°58	15°19	12° 1	10°34	14°54	13°28	15°36	0°27	4°13	2°36	15° 0	n.a.	W21
T 22	9 48 36	29° 9'14	13° 8	6°59	16°28	12°20	10°48	14°51	13°28	15°36	0°26	4° 7	2°33	15° 7	n.a.	T 22
F 23	9 52 32	0♓ 8'34	25° 6	8°59	17°37	12°39	11° 2	14°49	13°28	15°36	0°25	3°59	2°29	15°13	n.a.	F 23
S 24	9 56 29	1° 7'52	7♍ 0	10°59	18°46	12°58	11°16	14°46	13°D28	15°36	0°25	3°48	2°26	15°20	n.a.	S 24
S 25	10 0 25	2° 7'08	18°53	12°57	19°55	13°18	11°30	14°43	13°28	15°35	0°24	3°37	2°23	15°27	n.a.	S 25
M26	10 4 22	3° 6'21	0♎45	14°54	21° 5	13°38	11°44	14°41	13°28	15°35	0°24	3°26	2°20	15°34	n.a.	M26
T 27	10 8 18	4° 5'33	12°39	16°49	22°14	13°59	11°58	14°39	13°28	15°35	0°23	3°15	2°17	15°40	n.a.	T 27
W28	10 12 15	5° 4'43	24°37	18°42	23°24	14°20	12°12	14°36	13°28	15°35	0°22	3° 6	2°14	15°47	n.a.	W28
T 29	10 16 11	6♓ 3'50	6♏41	20♓32	24♑33	14♊41	12♒26	14♋34	13♊29	15°D35	0♏21	3♋ 0	2♋10	15♍54	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s25	6s24	4n47	23s 0	2s 3	21s13	2n19	24n48	3n 3	19s54	0s53	23n27	0n43	22n54	0n11	21n57	1s 0	1n 8	13n47	23n38	23n40	11n17		n.a.
F 2	18 9	11 2	4 15	22 40	2 4	21 20	2 14	24 49	3 2	19 50	0 53	23 27	0 43	22 54	0 11	21 57	1 0	1 8	13 47	23 38	23 40	11 14		n.a.
S 3	17 53	15 18	3 29	22 18	2 4	21 28	2 10	24 49	3 1	19 47	0 53	23 28	0 43	22 53	0 11	21 57	1 0	1 8	13 47	23 38	23 40	11 12		n.a.
S 4	17 37	19 0	2 33	21 54	2 4	21 34	2 6	24 50	3 0	19 43	0 53	23 28	0 43	22 53	0 11	21 57	1 0	1 9	13 48	23 38	23 41	11 10		n.a.
M 5	17 20	21 50	1 26	21 28	2 4	21 40	2 2	24 51	2 59	19 39	0 53	23 29	0 43	22 53	0 11	21 57	1 0	1 9	13 48	23 38	23 41	11 7		n.a.
T 6	17 3	23 30	0 12	21 1	2 3	21 46	1 57	24 51	2 58	19 36	0 53	23 29	0 43	22 53	0 11	21 57	1 0	1 9	13 49	23 38	23 41	11 5		n.a.
W 7	16 45	23 43	1s 5	20 31	2 2	21 50	1 53	24 52	2 57	19 32	0 53	23 30	0 43	22 53	0 11	21 57	1 0	1 10	13 49	23 38	23 41	11 3		n.a.
T 8	16 27	22 19	2 20	20 0	2 0	21 55	1 49	24 53	2 56	19 29	0 53	23 30	0 43	22 53	0 11	21 57	1 0	1 10	13 49	23 38	23 41	11 0		n.a.
F 9	16 9	19 20	3 26	19 27	1 58	21 59	1 44	24 54	2 55	19 25	0 53	23 31	0 43	22 53	0 11	21 57	1 0	1 11	13 50	23 38	23 41	10 58		n.a.
S 10	15 51	15 2	4 19	18 51	1 55	22 2	1 40	24 56	2 54	19 21	0 53	23 31	0 43	22 53	0 11	21 57	1 0	1 11	13 50	23 38	23 41	10 55		n.a.
S 11	15 33	9 46	4 54	18 14	1 51	22 4	1 36	24 57	2 53	19 18	0 54	23 32	0 43	22 53	0 11	21 57	1 0	1 11	13 51	23 39	23 41	10 53		n.a.
M12	15 14	3 58	5 8	17 36	1 47	22 6	1 31	24 58	2 52	19 14	0 54	23 32	0 43	22 53	0 11	21 57	1 0	1 12	13 51	23 39	23 41	10 51		n.a.
T 13	14 55	1n56	5 2	16 55	1 43	22 8	1 27	24 59	2 51	19 10	0 54	23 33	0 43	22 52	0 11	21 57	1 0	1 12	13 51	23 39	23 41	10 48		n.a.
W14	14 36	7 36	4 36	16 13	1 38	22 9	1 23	25 1	2 50	19 6	0 54	23 33	0 43	22 52	0 11	21 57	1 0	1 13	13 52	23 39	23 41	10 46		n.a.
T 15	14 16	12 43	3 55	15 28	1 32	22 9	1 18	25 2	2 49	19 3	0 54	23 34	0 43	22 52	0 11	21 57	1 0	1 13	13 52	23 39	23 41	10 44		n.a.
F 16	13 57	17 3	3 2	14 42	1 26	22 9	1 14	25 3	2 47	18 59	0 54	23 34	0 44	22 52	0 11	21 57	1 0	1 14	13 52	23 39	23 42	10 41		n.a.
S 17	13 37	20 25	2 1	13 55	1 19	22 8	1 10	25 5	2 46	18 55	0 54	23 35	0 44	22 52	0 11	21 57	1 0	1 14	13 53	23 39	23 42	10 39		n.a.
S 18	13 17	22 41	0 55	13 6	1 11	22 6	1 5	25 6	2 45	18 52	0 54	23 35	0 44	22 52	0 11	21 57	1 0	1 15	13 53	23 39	23 42	10 36		n.a.
M19	12 56	23 46	0n13	12 15	1 3	22 4	1 1	25 8	2 44	18 48	0 54	23 36	0 44	22 52	0 11	21 57	1 0	1 15	13 53	23 39	23 42	10 34		n.a.
T 20	12 36	23 39	1 18	11 23	0 55	22 1	0 57	25 9	2 43	18 44	0 54	23 36	0 44	22 52	0 11	21 57	1 0	1 16	13 54	23 39	23 42	10 32		n.a.
W21	12 15	22 24	2 19	10 30	0 45	21 58	0 52	25 11	2 42	18 40	0 55	23 36	0 44	22 52	0 11	21 57	1 0	1 16	13 54	23 39	23 42	10 29		n.a.
T 22	11 54	20 9	3 13	9 36	0 36	21 54	0 48	25 12	2 41	18 36	0 55	23 37	0 44	22 52	0 11	21 57	1 0	1 17	13 55	23 40	23 42	10 27		n.a.
F 23	11 33	17 2	3 57	8 41	0 26	21 49	0 44	25 14	2 40	18 33	0 55	23 37	0 44	22 52	0 11	21 57	1 0	1 17	13 55	23 40	23 42	10 24		n.a.
S 24	11 12	13 14	4 32	7 46	0 15	21 44	0 40	25 15	2 39	18 29	0 55	23 37	0 44	22 52	0 11	21 57	0 59	1 18	13 55	23 40	23 42	10 22		n.a.
S 25	10 51	8 57	4 54	6 50	0 4	21 38	0 36	25 17	2 38	18 25	0 55	23 38	0 44	22 52	0 11	21 57	0 59	1 18	13 56	23 40	23 42	10 20		n.a.
M26	10 29	4 19	5 3	5 54	0n 8	21 32	0 32	25 18	2 37	18 21	0 55	23 38	0 44	22 52	0 11	21 57	0 59	1 19	13 56	23 41	23 42	10 17		n.a.
T 27	10 7	0s28	4 59	4 58	0 20	21 25	0 28	25 20	2 36	18 17	0 55	23 38	0 44	22 52	0 11	21 57	0 59	1 19	13 56	23 41	23 42	10 15		n.a.
W28	9 46	5 16	4 43	4 2	0 32	21 17	0 24	25 22	2 35	18 14	0 55	23 39	0 44	22 52	0 11	21 57	0 59	1 20	13 57	23 41	23 42	10 12		n.a.
T 29	9s24	9s56	4n13	3s 7	0n44	21s 9	0n20	25n23	2n34	18s10	0s56	23n39	0n44	22n52	0n11	21n57	0s59	1n20	13n57	23n41	23n42	10n10		n.a.

Julian Day Number = 1636350.5, Delta T = 03h38m57s
Ecliptic obliquity = 23°43'24, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'07, Lahiri = - 7°10'06 Julian Calendar 1 Feb. 233 BCE == Greg. Calendar 28 Jan. 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

MARCH 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 20 8	7♓ 2'56	18♏56	22♓19	25♉43	15♊ 3	12♒40	14°R32	13♊29	15♊35	0°R21	2°R56	2♋ 7	16♍ 1	n.a.	F 1
S 2	10 24 4	8° 2'00	1♐25	24° 3	26°53	15°25	12°53	14♋30	13°29	15°35	0♏20	2♋54	2° 4	16° 7	n.a.	S 2
S 3	10 28 1	9° 1'02	14°13	25°43	28° 2	15°47	13° 7	14°28	13°30	15°35	0°19	2°D54	2° 1	16°14	n.a.	S 3
M 4	10 31 58	10° 0'03	27°24	27°19	29°12	16° 9	13°21	14°27	13°30	15°35	0°18	2°R54	1°58	16°21	n.a.	M 4
T 5	10 35 54	10°59'01	11♉ 2	28°50	0♒22	16°32	13°35	14°25	13°31	15°36	0°17	2°54	1°54	16°27	n.a.	T 5
W 6	10 39 51	11°57'58	25° 8	0♈17	1°32	16°55	13°48	14°24	13°31	15°36	0°16	2°52	1°51	16°34	n.a.	W 6
T 7	10 43 47	12°56'53	9♒42	1°38	2°42	17°19	14° 2	14°22	13°32	15°36	0°15	2°48	1°48	16°41	n.a.	T 7
F 8	10 47 44	13°55'46	24°40	2°54	3°52	17°42	14°15	14°21	13°32	15°36	0°14	2°41	1°45	16°48	n.a.	F 8
S 9	10 51 40	14°54'37	9♓55	4° 5	5° 3	18° 6	14°29	14°20	13°33	15°37	0°13	2°32	1°42	16°54	n.a.	S 9
S 10	10 55 37	15°53'25	25°15	5°10	6°13	18°30	14°42	14°18	13°34	15°37	0°12	2°22	1°39	17° 1	n.a.	S 10
M11	10 59 33	16°52'12	10♈29	6° 9	7°23	18°55	14°55	14°17	13°35	15°37	0°11	2°11	1°35	17° 8	n.a.	M11
T 12	11 3 30	17°50'56	25°27	7° 2	8°34	19°20	15° 9	14°17	13°36	15°38	0°10	2° 2	1°32	17°14	n.a.	T 12
W13	11 7 27	18°49'38	10♉ 0	7°48	9°44	19°45	15°22	14°16	13°37	15°38	0° 9	1°55	1°29	17°21	n.a.	W13
T 14	11 11 23	19°48'18	24° 5	8°29	10°54	20°10	15°35	14°15	13°37	15°38	0° 8	1°50	1°26	17°28	n.a.	T 14
F 15	11 15 20	20°46'55	7♊41	9° 3	12° 5	20°35	15°48	14°14	13°39	15°39	0° 7	1°48	1°23	17°35	n.a.	F 15
S 16	11 19 16	21°45'30	20°49	9°32	13°16	21° 1	16° 1	14°14	13°40	15°39	0° 6	1°D48	1°20	17°41	n.a.	S 16
S 17	11 23 13	22°44'03	3♋34	9°53	14°26	21°27	16°14	14°14	13°41	15°40	0° 4	1°R48	1°16	17°48	n.a.	S 17
M18	11 27 9	23°42'34	16° 0	10° 9	15°37	21°53	16°27	14°13	13°42	15°41	0° 3	1°47	1°13	17°55	n.a.	M18
T 19	11 31 6	24°41'02	28°12	10°18	16°47	22°19	16°40	14°13	13°43	15°41	0° 2	1°45	1°10	18° 1	n.a.	T 19
W20	11 35 2	25°39'28	10♌13	10°R21	17°58	22°46	16°53	14°D13	13°44	15°42	0° 1	1°40	1° 7	18° 8	n.a.	W20
T 21	11 38 59	26°37'52	22° 9	10°19	19° 9	23°13	17° 6	14°13	13°46	15°43	29♎59	1°32	1° 4	18°15	n.a.	T 21
F 22	11 42 56	27°36'14	4♍ 1	10°10	20°20	23°40	17°18	14°13	13°47	15°43	29°58	1°22	1° 0	18°22	n.a.	F 22
S 23	11 46 52	28°34'33	15°53	9°57	21°31	24° 7	17°31	14°14	13°49	15°44	29°57	1° 9	0°57	18°28	n.a.	S 23
S 24	11 50 49	29°32'51	27°46	9°38	22°42	24°34	17°43	14°14	13°50	15°45	29°55	0°55	0°54	18°35	n.a.	S 24
M25	11 54 45	0♈31'07	9♎41	9°15	23°52	25° 2	17°56	14°15	13°52	15°46	29°54	0°41	0°51	18°42	n.a.	M25
T 26	11 58 42	1°29'21	21°40	8°47	25° 3	25°29	18° 8	14°15	13°53	15°46	29°53	0°28	0°48	18°49	n.a.	T 26
W27	12 2 38	2°27'33	3♏44	8°16	26°14	25°57	18°21	14°16	13°55	15°47	29°51	0°17	0°45	18°55	n.a.	W27
T 28	12 6 35	3°25'43	15°55	7°42	27°26	26°25	18°33	14°17	13°56	15°48	29°50	0° 8	0°41	19° 2	n.a.	T 28
F 29	12 10 31	4°23'52	28°16	7° 6	28°37	26°53	18°45	14°18	13°58	15°49	29°48	0° 2	0°38	19° 9	n.a.	F 29
S 30	12 14 28	5°21'59	10♐48	6°28	29°48	27°22	18°57	14°19	14° 0	15°50	29°47	29♊59	0°35	19°15	n.a.	S 30
S 31	12 18 24	6♈20'05	23♐36	5♈49	0♓59	27♊50	19♒ 9	14♋20	14♊ 2	15♊51	29♎46	29♊58	0♋32	19♍22	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s 2	14s16	3n32	2s13	0n56	21s 0	0n16	25n25	2n33	18s 6	0s56	23n39	0n44	22n52	0n11	21n57	0s59	1n21	13n57	23n41	23n42	10n 8		n.a.
S 2	8 39	18 5	2 39	1 21	1 8	20 50	0 12	25 26	2 32	18 2	0 56	23 39	0 44	22 52	0 11	21 57	0 59	1 21	13 58	23 41	23 42	10 5		n.a.
S 3	8 17	21 10	1 38	0 29	1 21	20 40	0 8	25 28	2 31	17 58	0 56	23 40	0 44	22 52	0 11	21 57	0 59	1 22	13 58	23 41	23 42	10 3		n.a.
M 4	7 55	23 13	0 29	0n20	1 33	20 30	0 4	25 29	2 30	17 54	0 56	23 40	0 44	22 52	0 11	21 57	0 59	1 23	13 58	23 41	23 43	10 0		n.a.
T 5	7 32	23 58	0s43	1 8	1 44	20 19	0 0	25 31	2 29	17 51	0 56	23 40	0 44	22 52	0 11	21 57	0 59	1 23	13 58	23 41	23 43	9 58		n.a.
W 6	7 9	23 15	1 55	1 53	1 56	20 7	0s 4	25 32	2 28	17 47	0 56	23 40	0 44	22 52	0 11	21 57	0 59	1 24	13 59	23 42	23 43	9 55		n.a.
T 7	6 47	20 57	3 2	2 35	2 7	19 54	0 7	25 33	2 27	17 43	0 57	23 40	0 44	22 53	0 11	21 57	0 59	1 24	13 59	23 42	23 43	9 53		n.a.
F 8	6 24	17 11	3 58	3 16	2 17	19 41	0 11	25 35	2 26	17 39	0 57	23 41	0 44	22 53	0 11	21 58	0 59	1 25	13 59	23 42	23 43	9 50		n.a.
S 9	6 1	12 14	4 39	3 53	2 27	19 28	0 14	25 36	2 26	17 35	0 57	23 41	0 44	22 53	0 11	21 58	0 59	1 26	14 0	23 42	23 43	9 48		n.a.
S 10	5 38	6 28	4 59	4 27	2 36	19 14	0 18	25 37	2 25	17 31	0 57	23 41	0 44	22 53	0 11	21 58	0 59	1 26	14 0	23 42	23 43	9 46		n.a.
M11	5 15	0 22	4 58	4 58	2 44	18 59	0 21	25 38	2 24	17 28	0 57	23 41	0 44	22 53	0 11	21 58	0 59	1 27	14 0	23 42	23 43	9 43		n.a.
T 12	4 51	5n40	4 37	5 26	2 52	18 44	0 25	25 40	2 23	17 24	0 57	23 41	0 44	22 53	0 11	21 58	0 59	1 27	14 0	23 42	23 43	9 41		n.a.
W13	4 28	11 14	3 58	5 51	2 58	18 29	0 28	25 41	2 22	17 20	0 57	23 41	0 44	22 53	0 11	21 58	0 59	1 28	14 1	23 43	23 43	9 38		n.a.
T 14	4 5	16 1	3 5	6 13	3 4	18 12	0 31	25 42	2 21	17 16	0 58	23 41	0 44	22 53	0 11	21 58	0 59	1 29	14 1	23 43	23 43	9 36		n.a.
F 15	3 42	19 49	2 4	6 30	3 8	17 56	0 35	25 43	2 20	17 12	0 58	23 41	0 44	22 53	0 11	21 58	0 59	1 29	14 1	23 43	23 43	9 33		n.a.
S 16	3 18	22 26	0 58	6 45	3 11	17 38	0 38	25 44	2 19	17 9	0 58	23 41	0 45	22 54	0 11	21 58	0 59	1 30	14 1	23 43	23 43	9 31		n.a.
S 17	2 55	23 50	0n 9	6 55	3 14	17 21	0 41	25 45	2 18	17 5	0 58	23 41	0 45	22 54	0 11	21 58	0 59	1 30	14 2	23 43	23 43	9 28		n.a.
M18	2 32	23 59	1 14	7 2	3 14	17 3	0 44	25 45	2 17	17 1	0 58	23 42	0 45	22 54	0 11	21 58	0 58	1 31	14 2	23 43	23 43	9 26		n.a.
T 19	2 8	22 58	2 15	7 6	3 14	16 44	0 47	25 46	2 16	16 57	0 58	23 42	0 45	22 54	0 11	21 59	0 58	1 32	14 2	23 43	23 43	9 23		n.a.
W20	1 45	20 54	3 8	7 5	3 12	16 25	0 50	25 47	2 16	16 53	0 59	23 42	0 45	22 54	0 11	21 59	0 58	1 32	14 2	23 43	23 43	9 21		n.a.
T 21	1 21	17 57	3 52	7 1	3 9	16 5	0 53	25 47	2 15	16 50	0 59	23 42	0 45	22 54	0 11	21 59	0 58	1 33	14 3	23 43	23 43	9 18		n.a.
F 22	0 58	14 17	4 27	6 54	3 5	15 45	0 55	25 48	2 14	16 46	0 59	23 42	0 45	22 54	0 11	21 59	0 58	1 34	14 3	23 43	23 43	9 16		n.a.
S 23	0 34	10 3	4 49	6 43	2 59	15 25	0 58	25 48	2 13	16 42	0 59	23 42	0 45	22 55	0 11	21 59	0 58	1 34	14 3	23 43	23 43	9 13		n.a.
S 24	0 11	5 27	4 59	6 29	2 51	15 4	1 1	25 49	2 12	16 39	0 59	23 42	0 45	22 55	0 11	21 59	0 58	1 35	14 3	23 43	23 43	9 11		n.a.
M25	0n13	0 39	4 56	6 11	2 42	14 43	1 3	25 49	2 11	16 35	0 59	23 42	0 45	22 55	0 11	21 59	0 58	1 35	14 3	23 43	23 43	9 8		n.a.
T 26	0 36	4s14	4 39	5 51	2 32	14 21	1 6	25 49	2 10	16 31	1 0	23 41	0 45	22 55	0 11	21 59	0 58	1 36	14 3	23 43	23 43	9 6		n.a.
W27	0 59	8 59	4 11	5 28	2 21	13 59	1 8	25 49	2 9	16 27	1 0	23 41	0 45	22 55	0 11	22 0	0 58	1 37	14 4	23 43	23 43	9 3		n.a.
T 28	1 23	13 27	3 30	5 3	2 9	13 37	1 10	25 49	2 9	16 24	1 0	23 41	0 45	22 56	0 11	22 0	0 58	1 37	14 4	23 43	23 43	9 1		n.a.
F 29	1 46	17 25	2 39	4 36	1 55	13 14	1 13	25 49	2 8	16 20	1 0	23 41	0 45	22 56	0 11	22 0	0 58	1 38	14 4	23 43	23 43	8 58		n.a.
S 30	2 9	20 41	1 39	4 8	1 40	12 50	1 15	25 49	2 7	16 16	1 0	23 41	0 45	22 56	0 11	22 0	0 58	1 39	14 4	23 43	23 43	8 56		n.a.
S 31	2n33	23s 0	0n34	3n38	1n25	12s27	1s17	25n48	2n 6	16s13	1s 1	23n41	0n45	22n56	0n11	22n 0	0s58	1n39	14n 4	23n43	23n43	8n53		n.a.

Julian Day Number = 1636379.5, Delta T = 03h38m56s
Ecliptic obliquity = 23°43'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°17'03, Lahiri = - 7°10'03 Julian Calendar 1 March 233 BCE == Greg. Calendar 26 Feb. 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

APRIL 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 22 21	7♈18'09	6♉44	5°R10	2♓10	28♊19	19♒21	14♋21	14♊ 4	15♊52	29°R44	29°R58	0♋29	19♍29	n.a.	M 1
T 2	12 26 18	8°16'12	20°15	4♈31	3°21	28°48	19°33	14°22	14° 5	15°53	29♎43	29♊58	0°26	19°36	n.a.	T 2
W 3	12 30 14	9°14'13	4♒11	3°54	4°33	29°17	19°45	14°24	14° 7	15°54	29°41	29°56	0°22	19°42	n.a.	W 3
T 4	12 34 11	10°12'13	18°33	3°18	5°44	29°46	19°56	14°25	14° 9	15°55	29°39	29°52	0°19	19°49	n.a.	T 4
F 5	12 38 7	11°10'11	3♓19	2°45	6°56	0♋16	20° 8	14°27	14°11	15°56	29°38	29°45	0°16	19°56	n.a.	F 5
S 6	12 42 4	12° 8'08	18°22	2°14	8° 7	0°45	20°19	14°29	14°14	15°58	29°36	29°37	0°13	20° 2	n.a.	S 6
S 7	12 46 0	13° 6'03	3♈36	1°47	9°18	1°15	20°31	14°31	14°16	15°59	29°35	29°26	0°10	20° 9	n.a.	S 7
M 8	12 49 57	14° 3'57	18°47	1°24	10°30	1°45	20°42	14°33	14°18	16° 0	29°33	29°16	0° 6	20°16	n.a.	M 8
T 9	12 53 53	15° 1'49	3♉47	1° 4	11°41	2°15	20°53	14°35	14°20	16° 1	29°32	29° 6	0° 3	20°23	n.a.	T 9
W10	12 57 50	15°59'39	18°25	0°49	12°53	2°45	21° 4	14°37	14°22	16° 3	29°30	28°59	0° 0	20°29	n.a.	W10
T 11	13 1 47	16°57'28	2♊37	0°38	14° 4	3°15	21°16	14°39	14°25	16° 4	29°28	28°54	29♊57	20°36	n.a.	T 11
F 12	13 5 43	17°55'15	16°19	0°32	15°16	3°46	21°26	14°42	14°27	16° 5	29°27	28°51	29°54	20°43	n.a.	F 12
S 13	13 9 40	18°53'00	29°34	0°D30	16°27	4°16	21°37	14°44	14°29	16° 7	29°25	28°D51	29°51	20°49	n.a.	S 13
S 14	13 13 36	19°50'43	12♋22	0°33	17°39	4°47	21°48	14°47	14°32	16° 8	29°24	28°51	29°47	20°56	n.a.	S 14
M15	13 17 33	20°48'25	24°50	0°40	18°51	5°18	21°59	14°49	14°34	16° 9	29°22	28°R51	29°44	21° 3	n.a.	M15
T 16	13 21 29	21°46'05	7♌ 2	0°52	20° 2	5°49	22° 9	14°52	14°37	16°11	29°20	28°50	29°41	21°10	n.a.	T 16
W17	13 25 26	22°43'43	19° 2	1° 9	21°14	6°20	22°20	14°55	14°39	16°12	29°19	28°47	29°38	21°16	n.a.	W17
T 18	13 29 22	23°41'20	0♍56	1°29	22°26	6°51	22°30	14°58	14°42	16°14	29°17	28°41	29°35	21°23	n.a.	T 18
F 19	13 33 19	24°38'55	12°47	1°55	23°38	7°23	22°40	15° 1	14°44	16°15	29°15	28°33	29°31	21°30	n.a.	F 19
S 20	13 37 16	25°36'28	24°39	2°24	24°49	7°54	22°50	15° 4	14°47	16°17	29°14	28°23	29°28	21°37	n.a.	S 20
S 21	13 41 12	26°34'00	6♎35	2°58	26° 1	8°26	23° 0	15° 7	14°49	16°18	29°12	28°12	29°25	21°43	n.a.	S 21
M22	13 45 9	27°31'31	18°35	3°35	27°13	8°57	23°10	15°11	14°52	16°20	29°10	28° 1	29°22	21°50	n.a.	M22
T 23	13 49 5	28°29'00	0♏42	4°17	28°25	9°29	23°20	15°14	14°55	16°21	29° 9	27°50	29°19	21°57	n.a.	T 23
W24	13 53 2	29°26'28	12°57	5° 2	29°37	10° 1	23°30	15°17	14°58	16°23	29° 7	27°41	29°16	22° 3	n.a.	W24
T 25	13 56 58	0♉23'55	25°20	5°51	0♈48	10°33	23°39	15°21	15° 0	16°25	29° 5	27°35	29°12	22°10	n.a.	T 25
F 26	14 0 55	1°21'21	7♐53	6°43	2° 0	11° 5	23°49	15°25	15° 3	16°26	29° 4	27°30	29° 9	22°17	n.a.	F 26
S 27	14 4 51	2°18'47	20°38	7°39	3°12	11°37	23°58	15°28	15° 6	16°28	29° 2	27°29	29° 6	22°24	n.a.	S 27
S 28	14 8 48	3°16'11	3♑36	8°38	4°24	12° 9	24° 7	15°32	15° 9	16°30	29° 0	27°D28	29° 3	22°30	n.a.	S 28
M29	14 12 45	4°13'34	16°50	9°40	5°36	12°42	24°16	15°36	15°12	16°32	28°59	27°29	29° 0	22°37	n.a.	M29
T 30	14 16 41	5♉10'57	0♒21	10♈46	6♈48	13♋14	24♒25	15♋40	15♊15	16♊33	28♎57	27°R30	28♊57	22♍44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n56	24s 9	0s36	3n 8	1n 9	12s 3	1s19	25n48	2n 5	16s 9	1s 1	23n41	0n45	22n56	0n11	22n 0	0s58	1n40	14n 4	23n43	23n43	8n51		n.a.
T 2	3 19	23 54	1 45	2 37	0 53	11 39	1 21	25 47	2 4	16 6	1 1	23 41	0 45	22 57	0 11	22 0	0 58	1 40	14 4	23 43	23 43	8 48		n.a.
W 3	3 42	22 12	2 50	2 7	0 36	11 14	1 23	25 47	2 4	16 2	1 1	23 41	0 45	22 57	0 11	22 1	0 58	1 41	14 4	23 43	23 43	8 46		n.a.
T 4	4 5	19 2	3 47	1 37	0 19	10 49	1 24	25 46	2 3	15 59	1 1	23 40	0 45	22 57	0 11	22 1	0 58	1 42	14 5	23 43	23 43	8 43		n.a.
F 5	4 28	14 36	4 30	1 8	0 2	10 24	1 26	25 45	2 2	15 55	1 2	23 40	0 45	22 57	0 11	22 1	0 58	1 42	14 5	23 43	23 43	8 41		n.a.
S 6	4 51	9 10	4 55	0 41	0s15	9 59	1 28	25 44	2 1	15 52	1 2	23 40	0 45	22 58	0 11	22 1	0 58	1 43	14 5	23 43	23 43	8 38		n.a.
S 7	5 14	3 8	5 0	0 15	0 31	9 33	1 29	25 43	2 0	15 48	1 2	23 40	0 45	22 58	0 11	22 1	0 58	1 43	14 5	23 43	23 43	8 36		n.a.
M 8	5 37	3n 4	4 44	0s 9	0 47	9 7	1 31	25 42	2 0	15 45	1 2	23 40	0 45	22 58	0 11	22 1	0 58	1 44	14 5	23 43	23 43	8 33		n.a.
T 9	5 59	9 2	4 8	0 31	1 2	8 41	1 32	25 41	1 59	15 41	1 2	23 40	0 45	22 58	0 11	22 2	0 58	1 45	14 5	23 43	23 43	8 30		n.a.
W10	6 22	14 22	3 17	0 51	1 17	8 14	1 33	25 40	1 58	15 38	1 3	23 39	0 45	22 59	0 11	22 2	0 58	1 45	14 5	23 43	23 43	8 28		n.a.
T 11	6 44	18 44	2 14	1 8	1 31	7 47	1 35	25 38	1 57	15 34	1 3	23 39	0 45	22 59	0 11	22 2	0 57	1 46	14 5	23 43	23 43	8 25		n.a.
F 12	7 7	21 55	1 6	1 23	1 44	7 20	1 36	25 36	1 56	15 31	1 3	23 39	0 45	22 59	0 11	22 2	0 57	1 46	14 5	23 43	23 43	8 23		n.a.
S 13	7 29	23 47	0n 4	1 35	1 57	6 53	1 37	25 35	1 56	15 28	1 3	23 39	0 45	22 59	0 11	22 2	0 57	1 47	14 5	23 43	23 43	8 20		n.a.
S 14	7 51	24 19	1 11	1 44	2 8	6 26	1 38	25 33	1 55	15 24	1 3	23 38	0 45	23 0	0 11	22 2	0 57	1 48	14 5	23 43	23 43	8 18		n.a.
M15	8 13	23 36	2 13	1 51	2 19	5 58	1 39	25 31	1 54	15 21	1 4	23 38	0 45	23 0	0 11	22 3	0 57	1 48	14 5	23 43	23 43	8 15		n.a.
T 16	8 35	21 46	3 8	1 55	2 29	5 31	1 39	25 29	1 53	15 18	1 4	23 38	0 45	23 0	0 11	22 3	0 57	1 49	14 5	23 43	23 43	8 13		n.a.
W17	8 57	18 59	3 54	1 57	2 38	5 3	1 40	25 27	1 52	15 15	1 4	23 37	0 45	23 1	0 11	22 3	0 57	1 49	14 5	23 43	23 43	8 10		n.a.
T 18	9 18	15 27	4 29	1 55	2 45	4 35	1 41	25 24	1 52	15 11	1 4	23 37	0 45	23 1	0 11	22 3	0 57	1 50	14 5	23 43	23 43	8 7		n.a.
F 19	9 40	11 19	4 52	1 52	2 52	4 6	1 41	25 22	1 51	15 8	1 5	23 37	0 45	23 1	0 11	22 3	0 57	1 50	14 5	23 43	23 43	8 5		n.a.
S 20	10 1	6 46	5 2	1 45	2 58	3 38	1 42	25 19	1 50	15 5	1 5	23 36	0 45	23 2	0 11	22 4	0 57	1 51	14 5	23 43	23 43	8 2		n.a.
S 21	10 22	1 56	5 0	1 37	3 4	3 10	1 42	25 16	1 49	15 2	1 5	23 36	0 45	23 2	0 11	22 4	0 57	1 51	14 5	23 43	23 43	8 0		n.a.
M22	10 43	3s 0	4 44	1 26	3 8	2 41	1 42	25 13	1 49	14 59	1 5	23 36	0 45	23 2	0 11	22 4	0 57	1 52	14 5	23 43	23 43	7 57		n.a.
T 23	11 4	7 52	4 15	1 12	3 11	2 12	1 43	25 10	1 48	14 56	1 6	23 35	0 45	23 2	0 11	22 4	0 57	1 52	14 5	23 42	23 43	7 54		n.a.
W24	11 24	12 30	3 34	0 56	3 14	1 44	1 43	25 7	1 47	14 53	1 6	23 35	0 45	23 3	0 11	22 4	0 57	1 53	14 5	23 42	23 43	7 52		n.a.
T 25	11 45	16 41	2 43	0 39	3 16	1 15	1 43	25 4	1 46	14 50	1 6	23 34	0 45	23 3	0 11	22 5	0 57	1 53	14 5	23 42	23 43	7 49		n.a.
F 26	12 5	20 11	1 43	0 18	3 17	0 46	1 43	25 1	1 46	14 47	1 6	23 34	0 45	23 3	0 11	22 5	0 57	1 54	14 5	23 42	23 43	7 47		n.a.
S 27	12 25	22 47	0 37	0n 4	3 17	0 17	1 43	24 57	1 45	14 44	1 7	23 34	0 45	23 4	0 11	22 5	0 57	1 54	14 5	23 42	23 43	7 44		n.a.
S 28	12 45	24 13	0s33	0 28	3 16	0n12	1 43	24 53	1 44	14 41	1 7	23 33	0 45	23 4	0 11	22 5	0 57	1 55	14 4	23 42	23 43	7 41		n.a.
M29	13 5	24 20	1 42	0 53	3 15	0 41	1 43	24 50	1 43	14 38	1 7	23 33	0 45	23 4	0 11	22 5	0 57	1 55	14 4	23 42	23 43	7 39		n.a.
T 30	13n24	23s 2	2s47	1n21	3s13	1n10	1s42	24n46	1n43	14s36	1s 7	23n32	0n45	23n 5	0n11	22n 6	0s57	1n56	14n 4	23n42	23n43	7n36		n.a.

Julian Day Number = 1636410.5, Delta T = 03h38m55s
Ecliptic obliquity = 23°43'25, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'59, Lahiri = - 7°09'58 Julian Calendar 1 Apr. 233 BCE == Greg. Calendar 28 March 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

MAY 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 20 38	6♉ 8'19	14♒12	11♈54	8♈ 0	13♋47	24♒34	15♋44	15♊18	16♊35	28°R56	27°R30	28♊53	22♍51	n.a.	W 1
T 2	14 24 34	7° 5'40	28°23	13° 6	9°12	14°20	24°42	15°49	15°21	16°37	28♎54	27♊28	28°50	22°57	n.a.	T 2
F 3	14 28 31	8° 3'00	12♓53	14°20	10°25	14°53	24°51	15°53	15°24	16°39	28°52	27°24	28°47	23° 4	n.a.	F 3
S 4	14 32 27	9° 0'20	27°37	15°38	11°37	15°26	24°59	15°57	15°27	16°41	28°51	27°19	28°44	23°11	n.a.	S 4
S 5	14 36 24	9°57'39	12♈30	16°58	12°49	15°59	25° 8	16° 2	15°30	16°42	28°49	27°12	28°41	23°17	n.a.	S 5
M 6	14 40 20	10°54'58	27°23	18°21	14° 1	16°32	25°16	16° 6	15°33	16°44	28°47	27° 5	28°37	23°24	n.a.	M 6
T 7	14 44 17	11°52'15	12♉ 8	19°48	15°13	17° 5	25°24	16°11	15°36	16°46	28°46	26°59	28°34	23°31	n.a.	T 7
W 8	14 48 14	12°49'32	26°38	21°16	16°25	17°38	25°32	16°15	15°39	16°48	28°44	26°54	28°31	23°38	n.a.	W 8
T 9	14 52 10	13°46'48	10♊45	22°48	17°38	18°12	25°39	16°20	15°43	16°50	28°43	26°51	28°28	23°44	n.a.	T 9
F 10	14 56 7	14°44'04	24°27	24°22	18°50	18°45	25°47	16°25	15°46	16°52	28°41	26°D50	28°25	23°51	n.a.	F 10
S 11	15 0 3	15°41'18	7♋44	25°59	20° 2	19°19	25°54	16°30	15°49	16°54	28°39	26°50	28°22	23°58	n.a.	S 11
S 12	15 4 0	16°38'32	20°36	27°39	21°15	19°53	26° 2	16°35	15°52	16°56	28°38	26°51	28°18	24° 4	n.a.	S 12
M13	15 7 56	17°35'44	3♌ 7	29°22	22°27	20°26	26° 9	16°40	15°56	16°58	28°36	26°53	28°15	24°11	n.a.	M13
T 14	15 11 53	18°32'56	15°22	1♉ 7	23°39	21° 0	26°16	16°45	15°59	17° 0	28°35	26°R54	28°12	24°18	n.a.	T 14
W15	15 15 49	19°30'07	27°24	2°54	24°52	21°34	26°23	16°50	16° 2	17° 2	28°33	26°53	28° 9	24°25	n.a.	W15
T 16	15 19 46	20°27'16	9♍19	4°45	26° 4	22° 8	26°29	16°56	16° 6	17° 4	28°32	26°51	28° 6	24°31	n.a.	T 16
F 17	15 23 43	21°24'26	21°12	6°38	27°16	22°43	26°36	17° 1	16° 9	17° 6	28°30	26°48	28° 3	24°38	n.a.	F 17
S 18	15 27 39	22°21'34	3♎ 6	8°33	28°29	23°17	26°42	17° 6	16°12	17° 8	28°29	26°44	27°59	24°45	n.a.	S 18
S 19	15 31 36	23°18'42	15° 4	10°30	29°41	23°51	26°48	17°12	16°16	17°10	28°27	26°38	27°56	24°52	n.a.	S 19
M20	15 35 32	24°15'49	27°11	12°30	0♏54	24°25	26°54	17°17	16°19	17°12	28°26	26°33	27°53	24°58	n.a.	M20
T 21	15 39 29	25°12'56	9♏27	14°32	2° 6	25° 0	27° 0	17°23	16°23	17°14	28°24	26°27	27°50	25° 5	n.a.	T 21
W22	15 43 25	26°10'02	21°54	16°36	3°19	25°34	27° 6	17°29	16°26	17°16	28°23	26°23	27°47	25°12	n.a.	W22
T 23	15 47 22	27° 7'08	4♐33	18°42	4°31	26° 9	27°12	17°34	16°30	17°18	28°22	26°20	27°43	25°18	n.a.	T 23
F 24	15 51 18	28° 4'14	17°25	20°49	5°44	26°44	27°17	17°40	16°33	17°21	28°20	26°18	27°40	25°25	n.a.	F 24
S 25	15 55 15	29° 1'20	0♑30	22°57	6°57	27°19	27°22	17°46	16°36	17°23	28°19	26°D18	27°37	25°32	n.a.	S 25
S 26	15 59 12	29°58'26	13°47	25° 7	8° 9	27°53	27°27	17°52	16°40	17°25	28°18	26°19	27°34	25°39	n.a.	S 26
M27	16 3 8	0♊55'32	27°17	27°17	9°22	28°28	27°32	17°58	16°44	17°27	28°16	26°20	27°31	25°45	n.a.	M27
T 28	16 7 5	1°52'37	11♒ 0	29°27	10°35	29° 3	27°37	18° 4	16°47	17°29	28°15	26°22	27°28	25°52	n.a.	T 28
W29	16 11 1	2°49'43	24°55	1♊38	11°47	29°38	27°42	18°10	16°51	17°31	28°14	26°23	27°24	25°59	n.a.	W29
T 30	16 14 58	3°46'50	9♓ 3	3°49	13° 0	0♌14	27°46	18°16	16°54	17°33	28°12	26°R23	27°21	26° 6	n.a.	T 30
F 31	16 18 54	4♊43'56	23♓20	5♊59	14♉13	0♌49	27♒50	18♋22	16♊58	17♊36	28♎11	26♊22	27♊18	26♍12	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	13n44	20s20	3s44	1n51	3s10	1n39	1s42	24n41	1n42	14s33	1s 8	23n32	0n45	23n 5	0n11	22n 6	0s57	1n56	14n 4	23n42	23n43	7n34			n.a.
T 2	14 3	16 22	4 29	2 22	3 7	2 8	1 42	24 37	1 41	14 30	1 8	23 31	0 45	23 5	0 11	22 6	0 57	1 57	14 4	23 42	23 43	7 31			n.a.
F 3	14 21	11 22	4 57	2 55	3 3	2 37	1 41	24 33	1 41	14 28	1 8	23 31	0 45	23 6	0 11	22 6	0 57	1 57	14 4	23 42	23 43	7 28			n.a.
S 4	14 40	5 39	5 7	3 29	2 58	3 6	1 41	24 28	1 40	14 25	1 8	23 30	0 45	23 6	0 11	22 6	0 57	1 57	14 4	23 42	23 43	7 26			n.a.
S 5	14 58	0n27	4 56	4 5	2 53	3 35	1 40	24 24	1 39	14 22	1 9	23 30	0 45	23 6	0 11	22 7	0 57	1 58	14 3	23 42	23 43	7 23			n.a.
M 6	15 17	6 32	4 26	4 43	2 47	4 4	1 39	24 19	1 38	14 20	1 9	23 29	0 45	23 7	0 11	22 7	0 57	1 58	14 3	23 41	23 43	7 21			n.a.
T 7	15 35	12 13	3 37	5 22	2 40	4 33	1 38	24 14	1 38	14 17	1 9	23 29	0 45	23 7	0 11	22 7	0 57	1 59	14 3	23 41	23 43	7 18			n.a.
W 8	15 52	17 6	2 36	6 2	2 33	5 2	1 38	24 9	1 37	14 15	1 9	23 28	0 45	23 7	0 11	22 7	0 57	1 59	14 3	23 41	23 43	7 15			n.a.
T 9	16 10	20 54	1 26	6 43	2 26	5 31	1 37	24 4	1 36	14 13	1 10	23 28	0 45	23 8	0 11	22 8	0 57	1 59	14 3	23 41	23 43	7 13			n.a.
F 10	16 27	23 24	0 13	7 26	2 18	5 59	1 36	23 58	1 36	14 10	1 10	23 27	0 45	23 8	0 11	22 8	0 57	2 0	14 3	23 41	23 43	7 10			n.a.
S 11	16 44	24 28	0n59	8 9	2 9	6 28	1 35	23 53	1 35	14 8	1 10	23 26	0 45	23 9	0 11	22 8	0 56	2 0	14 2	23 41	23 43	7 7			n.a.
S 12	17 1	24 11	2 5	8 54	2 0	6 56	1 33	23 47	1 34	14 6	1 11	23 26	0 45	23 9	0 11	22 8	0 56	2 0	14 2	23 41	23 43	7 5			n.a.
M13	17 17	22 40	3 4	9 39	1 51	7 25	1 32	23 41	1 33	14 4	1 11	23 25	0 45	23 9	0 11	22 8	0 56	2 1	14 2	23 41	23 43	7 2			n.a.
T 14	17 33	20 7	3 53	10 25	1 41	7 53	1 31	23 35	1 33	14 1	1 11	23 25	0 45	23 10	0 11	22 9	0 56	2 1	14 2	23 41	23 43	6 59			n.a.
W15	17 49	16 45	4 31	11 12	1 31	8 21	1 30	23 29	1 32	13 59	1 11	23 24	0 45	23 10	0 11	22 9	0 56	2 1	14 1	23 41	23 43	6 57			n.a.
T 16	18 4	12 44	4 57	12 0	1 20	8 49	1 28	23 23	1 31	13 57	1 12	23 23	0 45	23 10	0 11	22 9	0 56	2 2	14 1	23 41	23 43	6 54			n.a.
F 17	18 20	8 15	5 9	12 48	1 10	9 16	1 27	23 16	1 31	13 55	1 12	23 23	0 45	23 11	0 11	22 9	0 56	2 2	14 1	23 41	23 43	6 52			n.a.
S 18	18 35	3 28	5 9	13 36	0 59	9 44	1 26	23 10	1 30	13 53	1 12	23 22	0 46	23 11	0 11	22 10	0 56	2 2	14 1	23 41	23 42	6 49			n.a.
S 19	18 49	1s29	4 55	14 24	0 48	10 11	1 24	23 3	1 29	13 52	1 13	23 21	0 46	23 11	0 11	22 10	0 56	2 2	14 0	23 41	23 42	6 46			n.a.
M20	19 4	6 26	4 28	15 12	0 37	10 38	1 22	22 56	1 28	13 50	1 13	23 21	0 46	23 12	0 11	22 10	0 56	2 3	14 0	23 41	23 42	6 44			n.a.
T 21	19 18	11 12	3 48	15 59	0 25	11 5	1 21	22 49	1 28	13 48	1 13	23 20	0 46	23 12	0 11	22 10	0 56	2 3	14 0	23 41	23 42	6 41			n.a.
W22	19 31	15 37	2 57	16 46	0 14	11 32	1 19	22 42	1 27	13 46	1 14	23 19	0 46	23 12	0 11	22 10	0 56	2 3	13 59	23 40	23 42	6 38			n.a.
T 23	19 45	19 24	1 56	17 32	0 3	11 58	1 17	22 35	1 26	13 45	1 14	23 18	0 46	23 13	0 11	22 11	0 56	2 3	13 59	23 40	23 42	6 36			n.a.
F 24	19 58	22 19	0 48	18 18	0n 8	12 24	1 16	22 28	1 26	13 43	1 14	23 18	0 46	23 13	0 11	22 11	0 56	2 3	13 59	23 40	23 42	6 33			n.a.
S 25	20 11	24 6	0s23	19 2	0 18	12 50	1 14	22 20	1 25	13 41	1 14	23 17	0 46	23 14	0 11	22 11	0 56	2 4	13 59	23 40	23 42	6 30			n.a.
S 26	20 23	24 34	1 34	19 44	0 29	13 15	1 12	22 12	1 24	13 40	1 15	23 16	0 46	23 14	0 11	22 11	0 56	2 4	13 58	23 40	23 42	6 28			n.a.
M27	20 35	23 36	2 42	20 25	0 39	13 41	1 10	22 5	1 24	13 39	1 15	23 15	0 46	23 14	0 11	22 12	0 56	2 4	13 58	23 40	23 42	6 25			n.a.
T 28	20 47	21 13	3 41	21 3	0 48	14 6	1 8	21 57	1 23	13 37	1 15	23 15	0 46	23 15	0 11	22 12	0 56	2 4	13 58	23 40	23 42	6 22			n.a.
W29	20 58	17 34	4 28	21 40	0 57	14 30	1 6	21 48	1 22	13 36	1 16	23 14	0 46	23 15	0 11	22 12	0 56	2 4	13 57	23 40	23 42	6 20			n.a.
T 30	21 9	12 54	5 0	22 14	1 6	14 54	1 4	21 40	1 22	13 35	1 16	23 13	0 46	23 15	0 11	22 12	0 56	2 4	13 57	23 40	23 42	6 17			n.a.
F 31	21n20	7s28	5s14	22n46	1n13	15n18	1s 2	21n32	1n21	13s33	1s16	23n12	0n46	23n16	0n11	22n12	0s56	2n 4	13n56	23n40	23n42	6n14			n.a.

Julian Day Number = 1636440.5, Delta T = 03h38m54s
Ecliptic obliquity = 23°43'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'55, Lahiri = - 7°09'54 Julian Calendar 1 May 233 BCE == Greg. Calendar 27 Apr. 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

JUNE 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 22 51	5♊41'03	7♈45	8♊ 9	15♉26	1♌24	27♒54	18♋29	17♊ 1	17♊38	28°R10	26°R20	27♊15	26♍19	n.a.	S 1
S 2	16 26 47	6°38'09	22°14	10°18	16°39	2° 0	27°58	18°35	17° 5	17°40	28♎ 9	26♊18	27°12	26°26	n.a.	S 2
M 3	16 30 44	7°35'17	6♉41	12°26	17°51	2°35	28° 2	18°41	17° 8	17°42	28° 7	26°15	27° 8	26°32	n.a.	M 3
T 4	16 34 41	8°32'24	21° 1	14°32	19° 4	3°11	28° 5	18°48	17°12	17°44	28° 6	26°13	27° 5	26°39	n.a.	T 4
W 5	16 38 37	9°29'32	5♊ 9	16°37	20°17	3°46	28° 9	18°54	17°16	17°47	28° 5	26°11	27° 2	26°46	n.a.	W 5
T 6	16 42 34	10°26'40	19° 0	18°41	21°30	4°22	28°12	19° 1	17°19	17°49	28° 4	26°11	26°59	26°53	n.a.	T 6
F 7	16 46 30	11°23'49	2♋32	20°43	22°43	4°58	28°15	19° 7	17°23	17°51	28° 3	26°D11	26°56	26°59	n.a.	F 7
S 8	16 50 27	12°20'57	15°43	22°44	23°56	5°34	28°18	19°14	17°26	17°53	28° 2	26°11	26°53	27° 6	n.a.	S 8
S 9	16 54 23	13°18'06	28°34	24°43	25° 9	6° 9	28°20	19°20	17°30	17°55	28° 1	26°12	26°49	27°13	n.a.	S 9
M10	16 58 20	14°15'14	11♌ 5	26°40	26°22	6°45	28°23	19°27	17°34	17°58	28° 0	26°13	26°46	27°20	n.a.	M10
T 11	17 2 17	15°12'23	23°21	28°35	27°35	7°21	28°25	19°34	17°37	18° 0	27°59	26°14	26°43	27°26	n.a.	T 11
W12	17 6 13	16° 9'31	5♍26	0♋28	28°48	7°58	28°27	19°41	17°41	18° 2	27°58	26°15	26°40	27°33	n.a.	W12
T 13	17 10 10	17° 6'40	17°22	2°19	0♊ 1	8°34	28°29	19°47	17°45	18° 4	27°57	26°R15	26°37	27°40	n.a.	T 13
F 14	17 14 6	18° 3'49	29°16	4° 9	1°15	9°10	28°30	19°54	17°48	18° 7	27°56	26°15	26°34	27°46	n.a.	F 14
S 15	17 18 3	19° 0'58	11♎11	5°57	2°28	9°46	28°32	20° 1	17°52	18° 9	27°55	26°14	26°30	27°53	n.a.	S 15
S 16	17 21 59	19°58'08	23°12	7°43	3°41	10°23	28°33	20° 8	17°56	18°11	27°54	26°14	26°27	28° 0	n.a.	S 16
M17	17 25 56	20°55'18	5♏22	9°27	4°54	10°59	28°34	20°15	17°59	18°13	27°54	26°13	26°24	28° 7	n.a.	M17
T 18	17 29 52	21°52'28	17°46	11° 9	6° 7	11°36	28°35	20°22	18° 3	18°16	27°53	26°12	26°21	28°13	n.a.	T 18
W19	17 33 49	22°49'38	0♐24	12°49	7°21	12°12	28°35	20°29	18° 6	18°18	27°52	26°12	26°18	28°20	n.a.	W19
T 20	17 37 46	23°46'50	13°19	14°27	8°34	12°49	28°36	20°36	18°10	18°20	27°51	26°12	26°14	28°27	n.a.	T 20
F 21	17 41 42	24°44'02	26°31	16° 4	9°47	13°26	28°36	20°43	18°14	18°22	27°51	26°D12	26°11	28°33	n.a.	F 21
S 22	17 45 39	25°41'14	9♑59	17°38	11° 1	14° 3	28°R36	20°50	18°17	18°24	27°50	26°12	26° 8	28°40	n.a.	S 22
S 23	17 49 35	26°38'28	23°41	19°11	12°14	14°40	28°36	20°58	18°21	18°27	27°49	26°R12	26° 5	28°47	n.a.	S 23
M24	17 53 32	27°35'42	7♒36	20°42	13°28	15°16	28°36	21° 5	18°24	18°29	27°49	26°12	26° 2	28°54	n.a.	M24
T 25	17 57 28	28°32'57	21°41	22°11	14°41	15°53	28°35	21°12	18°28	18°31	27°48	26°11	25°59	29° 0	n.a.	T 25
W26	18 1 25	29°30'13	5♓51	23°38	15°54	16°31	28°35	21°19	18°32	18°33	27°47	26°11	25°55	29° 7	n.a.	W26
T 27	18 5 21	0♋27'31	20° 5	25° 3	17° 8	17° 8	28°34	21°26	18°35	18°35	27°47	26°11	25°52	29°14	n.a.	T 27
F 28	18 9 18	1°24'49	4♈20	26°27	18°22	17°45	28°33	21°34	18°39	18°38	27°46	26°D11	25°49	29°21	n.a.	F 28
S 29	18 13 15	2°22'09	18°33	27°48	19°35	18°22	28°31	21°41	18°42	18°40	27°46	26°11	25°46	29°27	n.a.	S 29
S 30	18 17 11	3♋19'30	2♉42	29♋ 7	20♊49	18♌59	28♒30	21♋48	18♊46	18♊42	27♎46	26♊12	25♊43	29♍34	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n30	1s36	5s 8	23n15	1n21	15n42	1s 0	21n23	1n20	13s32	1s17	23n11	0n46	23n16	0n11	22n13	0s56	2n 4	13n56	23n40	23n42	6n11		n.a.
S 2	21 40	4n23	4 43	23 42	1 27	16 5	0 58	21 15	1 20	13 31	1 17	23 11	0 46	23 16	0 11	22 13	0 56	2 4	13 56	23 40	23 42	6 9		n.a.
M 3	21 50	10 8	4 0	24 5	1 33	16 28	0 56	21 6	1 19	13 30	1 17	23 10	0 46	23 17	0 11	22 13	0 56	2 4	13 55	23 40	23 42	6 6		n.a.
T 4	21 59	15 18	3 2	24 26	1 38	16 50	0 53	20 57	1 18	13 29	1 18	23 9	0 46	23 17	0 11	22 13	0 56	2 5	13 55	23 40	23 41	6 3		n.a.
W 5	22 8	19 33	1 53	24 45	1 43	17 12	0 51	20 48	1 18	13 29	1 18	23 8	0 46	23 17	0 11	22 13	0 56	2 5	13 55	23 40	23 41	6 1		n.a.
T 6	22 17	22 36	0 39	25 0	1 47	17 34	0 49	20 38	1 17	13 28	1 18	23 7	0 46	23 18	0 11	22 14	0 56	2 5	13 54	23 40	23 41	5 58		n.a.
F 7	22 25	24 17	0n35	25 13	1 50	17 55	0 47	20 29	1 16	13 27	1 19	23 6	0 46	23 18	0 11	22 14	0 56	2 5	13 54	23 40	23 41	5 55		n.a.
S 8	22 33	24 32	1 46	25 23	1 52	18 16	0 44	20 19	1 16	13 26	1 19	23 5	0 46	23 19	0 11	22 14	0 56	2 5	13 53	23 40	23 41	5 53		n.a.
S 9	22 40	23 27	2 50	25 30	1 54	18 36	0 42	20 10	1 15	13 26	1 19	23 4	0 46	23 19	0 11	22 14	0 56	2 5	13 53	23 40	23 41	5 50		n.a.
M10	22 47	21 14	3 43	25 35	1 55	18 56	0 40	20 0	1 14	13 25	1 20	23 3	0 46	23 19	0 11	22 15	0 56	2 4	13 53	23 40	23 41	5 47		n.a.
T 11	22 53	18 4	4 26	25 38	1 55	19 15	0 37	19 50	1 14	13 25	1 20	23 2	0 46	23 20	0 11	22 15	0 56	2 4	13 52	23 40	23 41	5 44		n.a.
W12	23 0	14 12	4 56	25 38	1 55	19 34	0 35	19 40	1 13	13 24	1 20	23 2	0 46	23 20	0 11	22 15	0 56	2 4	13 52	23 40	23 41	5 42		n.a.
T 13	23 5	9 50	5 13	25 36	1 54	19 52	0 32	19 30	1 12	13 24	1 21	23 1	0 46	23 20	0 11	22 15	0 56	2 4	13 51	23 40	23 41	5 39		n.a.
F 14	23 11	5 7	5 16	25 32	1 52	20 10	0 30	19 19	1 11	13 24	1 21	23 0	0 46	23 21	0 11	22 15	0 56	2 4	13 51	23 40	23 41	5 36		n.a.
S 15	23 16	0 12	5 6	25 25	1 50	20 27	0 28	19 9	1 11	13 24	1 21	22 59	0 46	23 21	0 11	22 16	0 56	2 4	13 50	23 40	23 41	5 34		n.a.
S 16	23 20	4s45	4 42	25 17	1 47	20 44	0 25	18 58	1 10	13 23	1 22	22 58	0 46	23 21	0 11	22 16	0 56	2 4	13 50	23 40	23 41	5 31		n.a.
M17	23 25	9 37	4 6	25 7	1 44	21 0	0 23	18 48	1 9	13 23	1 22	22 57	0 47	23 22	0 11	22 16	0 56	2 4	13 49	23 40	23 40	5 28		n.a.
T 18	23 28	14 10	3 17	24 55	1 40	21 15	0 20	18 37	1 9	13 23	1 22	22 56	0 47	23 22	0 11	22 16	0 56	2 4	13 49	23 40	23 40	5 25		n.a.
W19	23 32	18 14	2 18	24 41	1 36	21 30	0 18	18 26	1 8	13 23	1 23	22 55	0 47	23 22	0 11	22 16	0 56	2 3	13 49	23 40	23 40	5 23		n.a.
T 20	23 35	21 30	1 11	24 26	1 31	21 45	0 15	18 14	1 7	13 24	1 23	22 53	0 47	23 23	0 11	22 17	0 56	2 3	13 48	23 40	23 40	5 20		n.a.
F 21	23 37	23 42	0s 2	24 10	1 26	21 58	0 13	18 3	1 7	13 24	1 23	22 52	0 47	23 23	0 11	22 17	0 56	2 3	13 48	23 40	23 40	5 17		n.a.
S 22	23 39	24 36	1 16	23 52	1 20	22 11	0 10	17 52	1 6	13 24	1 24	22 51	0 47	23 23	0 11	22 17	0 56	2 3	13 47	23 40	23 40	5 14		n.a.
S 23	23 41	24 1	2 27	23 33	1 14	22 24	0 8	17 40	1 5	13 24	1 24	22 50	0 47	23 24	0 11	22 17	0 56	2 3	13 47	23 40	23 40	5 12		n.a.
M24	23 42	21 58	3 30	23 13	1 7	22 36	0 5	17 29	1 5	13 25	1 24	22 49	0 47	23 24	0 11	22 17	0 56	2 2	13 46	23 40	23 40	5 9		n.a.
T 25	23 43	18 33	4 21	22 52	1 0	22 47	0 3	17 17	1 4	13 25	1 25	22 48	0 47	23 24	0 11	22 18	0 56	2 2	13 46	23 40	23 40	5 6		n.a.
W26	23 43	14 4	4 57	22 30	0 53	22 58	0 0	17 5	1 4	13 26	1 25	22 47	0 47	23 25	0 11	22 18	0 56	2 2	13 45	23 40	23 40	5 3		n.a.
T 27	23 43	8 47	5 15	22 7	0 45	23 8	0n 2	16 53	1 3	13 27	1 25	22 46	0 47	23 25	0 11	22 18	0 56	2 2	13 45	23 40	23 39	5 1		n.a.
F 28	23 43	3 2	5 13	21 43	0 37	23 17	0 5	16 41	1 2	13 27	1 25	22 45	0 47	23 25	0 11	22 18	0 56	2 1	13 44	23 40	23 39	4 58		n.a.
S 29	23 42	2n51	4 53	21 19	0 28	23 26	0 7	16 29	1 2	13 28	1 26	22 44	0 47	23 26	0 11	22 18	0 56	2 1	13 44	23 40	23 39	4 55		n.a.
S 30	23n41	8n34	4s15	20n54	0n20	23n33	0n 9	16n16	1n 1	13s29	1s26	22n43	0n47	23n26	0n11	22n19	0s56	2n 1	13n43	23n40	23n39	4n52		n.a.

Julian Day Number = 1636471.5, Delta T = 03h38m53s
Ecliptic obliquity = 23°43'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'50, Lahiri = - 7°09'50 Julian Calendar 1 June 233 BCE == Greg. Calendar 28 May 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

JULY 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 21 8	4♋16'52	16♉43	0♌24	22♊ 2	19♌37	28°R28	21♋56	18♊49	18♊44	27°R45	26♊12	25♊40	29♍41	n.a.	M 1
T 2	18 25 4	5°14'16	0♊36	1°39	23°16	20°14	28♒26	22° 3	18°53	18°46	27♎45	26°13	25°36	29°47	n.a.	T 2
W 3	18 29 1	6°11'40	14°17	2°52	24°30	20°52	28°24	22°11	18°57	18°49	27°44	26°14	25°33	29°54	n.a.	W 3
T 4	18 32 57	7° 9'06	27°45	4° 2	25°43	21°29	28°22	22°18	19° 0	18°51	27°44	26°R14	25°30	0♎ 1	n.a.	T 4
F 5	18 36 54	8° 6'34	10♋58	5°10	26°57	22° 7	28°19	22°26	19° 4	18°53	27°44	26°13	25°27	0° 8	n.a.	F 5
S 6	18 40 51	9° 4'02	23°56	6°16	28°11	22°45	28°17	22°33	19° 7	18°55	27°44	26°12	25°24	0°14	n.a.	S 6
S 7	18 44 47	10° 1'31	6♌38	7°19	29°25	23°23	28°14	22°41	19°10	18°57	27°43	26°11	25°20	0°21	n.a.	S 7
M 8	18 48 44	10°59'02	19° 5	8°20	0♋39	24° 1	28°11	22°48	19°14	18°59	27°43	26° 9	25°17	0°28	n.a.	M 8
T 9	18 52 40	11°56'33	1♍19	9°18	1°53	24°39	28° 8	22°56	19°17	19° 1	27°43	26° 7	25°14	0°35	n.a.	T 9
W10	18 56 37	12°54'05	13°22	10°13	3° 6	25°17	28° 4	23° 3	19°21	19° 3	27°43	26° 4	25°11	0°41	n.a.	W10
T 11	19 0 33	13°51'39	25°18	11° 4	4°20	25°55	28° 1	23°11	19°24	19° 5	27°43	26° 3	25° 8	0°48	n.a.	T 11
F 12	19 4 30	14°49'13	7♎11	11°53	5°34	26°33	27°57	23°18	19°28	19° 7	27°43	26° 2	25° 5	0°55	n.a.	F 12
S 13	19 8 26	15°46'49	19° 6	12°38	6°48	27°11	27°53	23°26	19°31	19°10	27°D43	26°D 2	25° 1	1° 1	n.a.	S 13
S 14	19 12 23	16°44'25	1♏ 6	13°20	8° 2	27°49	27°49	23°34	19°34	19°12	27°43	26° 2	24°58	1° 8	n.a.	S 14
M15	19 16 20	17°42'03	13°17	13°58	9°16	28°27	27°45	23°41	19°38	19°14	27°43	26° 3	24°55	1°15	n.a.	M15
T 16	19 20 16	18°39'42	25°43	14°32	10°30	29° 6	27°40	23°49	19°41	19°16	27°43	26° 5	24°52	1°22	n.a.	T 16
W17	19 24 13	19°37'22	8♐27	15° 2	11°44	29°44	27°35	23°56	19°44	19°18	27°43	26° 6	24°49	1°28	n.a.	W17
T 18	19 28 9	20°35'04	21°32	15°28	12°59	0♍23	27°31	24° 4	19°47	19°20	27°43	26°R 7	24°46	1°35	n.a.	T 18
F 19	19 32 6	21°32'47	5♑ 0	15°49	14°13	1° 1	27°26	24°12	19°51	19°21	27°44	26° 7	24°42	1°42	n.a.	F 19
S 20	19 36 2	22°30'31	18°50	16° 5	15°27	1°40	27°20	24°19	19°54	19°23	27°44	26° 6	24°39	1°48	n.a.	S 20
S 21	19 39 59	23°28'17	2♒58	16°16	16°41	2°19	27°15	24°27	19°57	19°25	27°44	26° 3	24°36	1°55	n.a.	S 21
M22	19 43 55	24°26'04	17°21	16°21	17°55	2°57	27°10	24°34	20° 0	19°27	27°44	25°59	24°33	2° 2	n.a.	M22
T 23	19 47 52	25°23'53	1♓53	16°R21	19°10	3°36	27° 4	24°42	20° 3	19°29	27°45	25°55	24°30	2° 9	n.a.	T 23
W24	19 51 49	26°21'44	16°27	16°16	20°24	4°15	26°58	24°50	20° 6	19°31	27°45	25°51	24°26	2°15	n.a.	W24
T 25	19 55 45	27°19'37	0♈58	16° 4	21°38	4°54	26°53	24°57	20° 9	19°33	27°46	25°48	24°23	2°22	n.a.	T 25
F 26	19 59 42	28°17'31	15°21	15°47	22°52	5°33	26°46	25° 5	20°13	19°35	27°46	25°46	24°20	2°29	n.a.	F 26
S 27	20 3 38	29°15'28	29°32	15°23	24° 7	6°12	26°40	25°13	20°16	19°37	27°46	25°D45	24°17	2°36	n.a.	S 27
S 28	20 7 35	0♌13'26	13♉29	14°54	25°21	6°51	26°34	25°20	20°19	19°38	27°47	25°46	24°14	2°42	n.a.	S 28
M29	20 11 31	1°11'27	27°13	14°19	26°36	7°30	26°28	25°28	20°22	19°40	27°47	25°47	24°11	2°49	n.a.	M29
T 30	20 15 28	2° 9'30	10♊43	13°38	27°50	8°10	26°21	25°35	20°24	19°42	27°48	25°49	24° 7	2°56	n.a.	T 30
W31	20 19 24	3♌ 7'35	24♊ 0	12♌53	29♋ 4	8♍49	26♒14	25♋43	20♊27	19♊44	27♎49	25°R49	24♊ 4	3♎ 2	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23n39	13n49	3s22	20n28	0n10	23n41	0n12	16n 4	1n 0	13s30	1s26	22n41	0n47	23n26	0n11	22n19	0s56	2n 0	13n43	23n40	23n39	4n50			n.a.
T 2	23 37	18 17	2 17	20 3	0 1	23 47	0 14	15 51	1 0	13 31	1 27	22 40	0 47	23 27	0 11	22 19	0 56	2 0	13 42	23 40	23 39	4 47			n.a.
W 3	23 35	21 42	1 6	19 37	0s 9	23 53	0 17	15 38	0 59	13 32	1 27	22 39	0 47	23 27	0 11	22 19	0 56	2 0	13 42	23 40	23 39	4 44			n.a.
T 4	23 32	23 51	0n 8	19 10	0 19	23 58	0 19	15 25	0 58	13 33	1 27	22 38	0 47	23 27	0 12	22 19	0 56	1 59	13 41	23 40	23 39	4 41			n.a.
F 5	23 28	24 36	1 21	18 44	0 29	24 3	0 21	15 12	0 58	13 34	1 28	22 37	0 48	23 27	0 12	22 20	0 56	1 59	13 41	23 40	23 39	4 39			n.a.
S 6	23 25	23 59	2 27	18 17	0 40	24 6	0 24	14 59	0 57	13 35	1 28	22 36	0 48	23 28	0 12	22 20	0 56	1 59	13 40	23 40	23 39	4 36			n.a.
S 7	23 20	22 8	3 25	17 51	0 50	24 9	0 26	14 46	0 56	13 36	1 28	22 34	0 48	23 28	0 12	22 20	0 56	1 58	13 40	23 40	23 38	4 33			n.a.
M 8	23 16	19 15	4 12	17 25	1 1	24 12	0 28	14 33	0 56	13 38	1 29	22 33	0 48	23 28	0 12	22 20	0 56	1 58	13 39	23 40	23 38	4 30			n.a.
T 9	23 11	15 35	4 46	16 59	1 12	24 13	0 31	14 19	0 55	13 39	1 29	22 32	0 48	23 29	0 12	22 20	0 56	1 57	13 39	23 40	23 38	4 27			n.a.
W10	23 5	11 20	5 7	16 33	1 24	24 14	0 33	14 6	0 54	13 41	1 29	22 31	0 48	23 29	0 12	22 20	0 56	1 57	13 38	23 40	23 38	4 25			n.a.
T 11	23 0	6 42	5 15	16 8	1 35	24 14	0 35	13 52	0 54	13 42	1 30	22 30	0 48	23 29	0 12	22 21	0 56	1 56	13 38	23 40	23 38	4 22			n.a.
F 12	22 53	1 50	5 9	15 44	1 46	24 13	0 37	13 39	0 53	13 44	1 30	22 28	0 48	23 30	0 12	22 21	0 56	1 56	13 37	23 40	23 38	4 19			n.a.
S 13	22 47	3s 6	4 50	15 20	1 58	24 12	0 39	13 25	0 52	13 46	1 30	22 27	0 48	23 30	0 12	22 21	0 56	1 55	13 37	23 40	23 38	4 16			n.a.
S 14	22 40	7 58	4 18	14 57	2 10	24 10	0 41	13 11	0 52	13 47	1 30	22 26	0 48	23 30	0 12	22 21	0 56	1 55	13 36	23 40	23 38	4 14			n.a.
M15	22 32	12 36	3 34	14 35	2 21	24 7	0 43	12 57	0 51	13 49	1 31	22 25	0 48	23 30	0 12	22 21	0 56	1 54	13 35	23 40	23 37	4 11			n.a.
T 16	22 24	16 50	2 39	14 14	2 33	24 3	0 45	12 43	0 50	13 51	1 31	22 23	0 48	23 31	0 12	22 21	0 56	1 54	13 35	23 40	23 37	4 8			n.a.
W17	22 16	20 24	1 36	13 54	2 44	23 59	0 47	12 28	0 50	13 53	1 31	22 22	0 48	23 31	0 12	22 22	0 56	1 53	13 34	23 40	23 37	4 5			n.a.
T 18	22 8	23 2	0 25	13 36	2 56	23 54	0 49	12 14	0 49	13 55	1 32	22 21	0 48	23 31	0 12	22 22	0 56	1 53	13 34	23 40	23 37	4 2			n.a.
F 19	21 59	24 26	0s49	13 19	3 7	23 48	0 51	11 59	0 48	13 57	1 32	22 20	0 49	23 31	0 12	22 22	0 56	1 52	13 33	23 40	23 37	4 0			n.a.
S 20	21 49	24 23	2 1	13 4	3 17	23 42	0 53	11 45	0 48	13 59	1 32	22 18	0 49	23 32	0 12	22 22	0 56	1 52	13 33	23 40	23 37	3 57			n.a.
S 21	21 39	22 47	3 8	12 51	3 28	23 35	0 55	11 30	0 47	14 1	1 32	22 17	0 49	23 32	0 12	22 22	0 56	1 51	13 32	23 40	23 37	3 54			n.a.
M22	21 29	19 41	4 4	12 39	3 38	23 27	0 57	11 16	0 46	14 3	1 33	22 16	0 49	23 32	0 12	22 22	0 56	1 50	13 32	23 40	23 37	3 51			n.a.
T 23	21 19	15 21	4 45	12 30	3 47	23 18	0 58	11 1	0 46	14 5	1 33	22 14	0 49	23 32	0 12	22 22	0 56	1 50	13 31	23 40	23 36	3 48			n.a.
W24	21 8	10 7	5 8	12 24	3 56	23 9	1 0	10 46	0 45	14 7	1 33	22 13	0 49	23 33	0 12	22 23	0 56	1 49	13 31	23 39	23 36	3 46			n.a.
T 25	20 57	4 21	5 11	12 19	4 4	22 59	1 2	10 31	0 44	14 10	1 33	22 12	0 49	23 33	0 12	22 23	0 56	1 48	13 30	23 39	23 36	3 43			n.a.
F 26	20 45	1n36	4 54	12 18	4 11	22 48	1 3	10 16	0 44	14 12	1 34	22 10	0 49	23 33	0 12	22 23	0 56	1 48	13 30	23 39	23 36	3 40			n.a.
S 27	20 33	7 23	4 20	12 19	4 17	22 36	1 5	10 0	0 43	14 14	1 34	22 9	0 49	23 33	0 12	22 23	0 56	1 47	13 29	23 39	23 36	3 37			n.a.
S 28	20 21	12 44	3 30	12 23	4 22	22 24	1 6	9 45	0 42	14 17	1 34	22 8	0 49	23 34	0 12	22 23	0 56	1 47	13 29	23 39	23 36	3 34			n.a.
M29	20 8	17 21	2 29	12 30	4 25	22 12	1 8	9 30	0 42	14 19	1 34	22 6	0 49	23 34	0 12	22 23	0 56	1 46	13 28	23 39	23 36	3 32			n.a.
T 30	19 55	20 59	1 21	12 40	4 27	21 58	1 9	9 14	0 41	14 22	1 35	22 5	0 49	23 34	0 12	22 23	0 56	1 45	13 28	23 39	23 35	3 29			n.a.
W31	19n41	23n25	0s10	12n52	4s27	21n44	1n10	8n59	0n40	14s24	1s35	22n 4	0n50	23n34	0n12	22n24	0s56	1n44	13n27	23n39	23n35	3n26			n.a.

Julian Day Number = 1636501.5, Delta T = 03h38m52s
Ecliptic obliquity = 23°43'25, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'46, Lahiri = - 7°09'46 Julian Calendar 1 July 233 BCE == Greg. Calendar 27 June 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

AUGUST 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 23 21	4♌ 5'41	7♋ 4	12°R 3	0♌19	9♍28	26°R 7	25♋51	20♊30	19♊45	27♎49	25°R49	24♊ 1	3♎ 9	n.a.	T 1
F 2	20 27 18	5° 3'50	19°56	11♌10	1°33	10° 8	26♒ 1	25°58	20°33	19°47	27°50	25♊46	23°58	3°16	n.a.	F 2
S 3	20 31 14	6° 2'00	2♌36	10°14	2°48	10°47	25°54	26° 6	20°36	19°49	27°51	25°42	23°55	3°23	n.a.	S 3
S 4	20 35 11	7° 0'13	15° 5	9°16	4° 3	11°27	25°46	26°13	20°39	19°50	27°51	25°36	23°52	3°29	n.a.	S 4
M 5	20 39 7	7°58'27	27°23	8°18	5°17	12° 7	25°39	26°21	20°41	19°52	27°52	25°29	23°48	3°36	n.a.	M 5
T 6	20 43 4	8°56'43	9♍31	7°20	6°32	12°46	25°32	26°28	20°44	19°54	27°53	25°20	23°45	3°43	n.a.	T 6
W 7	20 47 0	9°55'00	21°31	6°25	7°46	13°26	25°24	26°36	20°47	19°55	27°54	25°13	23°42	3°50	n.a.	W 7
T 8	20 50 57	10°53'19	3♎25	5°33	9° 1	14° 6	25°17	26°43	20°49	19°57	27°55	25° 6	23°39	3°56	n.a.	T 8
F 9	20 54 53	11°51'40	15°16	4°45	10°16	14°46	25° 9	26°51	20°52	19°58	27°56	25° 0	23°36	4° 3	n.a.	F 9
S 10	20 58 50	12°50'03	27° 8	4° 4	11°30	15°26	25° 2	26°58	20°55	20° 0	27°57	24°57	23°32	4°10	n.a.	S 10
S 11	21 2 46	13°48'27	9♏ 6	3°29	12°45	16° 6	24°54	27° 6	20°57	20° 1	27°57	24°D55	23°29	4°16	n.a.	S 11
M12	21 6 43	14°46'54	21°14	3° 2	14° 0	16°46	24°46	27°13	21° 0	20° 3	27°58	24°55	23°26	4°23	n.a.	M12
T 13	21 10 40	15°45'21	3♐37	2°43	15°14	17°26	24°39	27°20	21° 2	20° 4	28° 0	24°56	23°23	4°30	n.a.	T 13
W14	21 14 36	16°43'51	16°20	2°33	16°29	18° 6	24°31	27°28	21° 5	20° 6	28° 1	24°57	23°20	4°37	n.a.	W14
T 15	21 18 33	17°42'23	29°27	2°D32	17°44	18°47	24°23	27°35	21° 7	20° 7	28° 2	24°R58	23°17	4°43	n.a.	T 15
F 16	21 22 29	18°40'56	13♑ 1	2°41	18°59	19°27	24°15	27°42	21° 9	20° 8	28° 3	24°56	23°13	4°50	n.a.	F 16
S 17	21 26 26	19°39'31	27° 3	2°59	20°14	20° 7	24° 7	27°50	21°12	20°10	28° 4	24°52	23°10	4°57	n.a.	S 17
S 18	21 30 22	20°38'08	11♒29	3°27	21°28	20°48	23°59	27°57	21°14	20°11	28° 5	24°47	23° 7	5° 3	n.a.	S 18
M19	21 34 19	21°36'47	26°15	4° 3	22°43	21°28	23°51	28° 4	21°16	20°12	28° 6	24°39	23° 4	5°10	n.a.	M19
T 20	21 38 15	22°35'28	11♓13	4°48	23°58	22° 9	23°43	28°11	21°18	20°14	28° 8	24°30	23° 1	5°17	n.a.	T 20
W21	21 42 12	23°34'11	26°14	5°41	25°13	22°50	23°35	28°18	21°20	20°15	28° 9	24°21	22°58	5°24	n.a.	W21
T 22	21 46 9	24°32'56	11♈ 7	6°42	26°28	23°30	23°27	28°26	21°22	20°16	28°10	24°14	22°54	5°30	n.a.	T 22
F 23	21 50 5	25°31'44	25°47	7°50	27°43	24°11	23°19	28°33	21°24	20°17	28°11	24° 8	22°51	5°37	n.a.	F 23
S 24	21 54 2	26°30'34	10♉ 6	9° 4	28°58	24°52	23°11	28°40	21°26	20°18	28°13	24° 5	22°48	5°44	n.a.	S 24
S 25	21 57 58	27°29'27	24° 5	10°24	0♍12	25°33	23° 3	28°47	21°28	20°19	28°14	24°D 4	22°45	5°51	n.a.	S 25
M26	22 1 55	28°28'22	7♊42	11°49	1°27	26°14	22°55	28°54	21°30	20°20	28°16	24° 4	22°42	5°57	n.a.	M26
T 27	22 5 51	29°27'19	20°59	13°18	2°42	26°55	22°47	29° 1	21°32	20°21	28°17	24°R 4	22°38	6° 4	n.a.	T 27
W28	22 9 48	0♍26'19	3♋59	14°52	3°57	27°36	22°39	29° 8	21°34	20°22	28°19	24° 4	22°35	6°11	n.a.	W28
T 29	22 13 44	1°25'21	16°45	16°28	5°12	28°17	22°31	29°15	21°36	20°23	28°20	24° 2	22°32	6°17	n.a.	T 29
F 30	22 17 41	2°24'26	29°19	18° 7	6°27	28°58	22°24	29°21	21°37	20°24	28°22	23°57	22°29	6°24	n.a.	F 30
S 31	22 21 38	3♍23'33	11♌43	19♌48	7♍42	29♍40	22♒16	29♋28	21♊39	20♊25	28♎23	23♊49	22♊26	6♎31	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19n28	24n33	1n 1	13n 8	4s26	21n29	1n12	8n43	0n40	14s27	1s35	22n 2	0n50	23n35	0n12	22n24	0s56	1n44	13n26	23n39	23n35	3n23			n.a.
F 2	19 14	24 19	2 7	13 26	4 22	21 14	1 13	8 28	0 39	14 29	1 35	22 1	0 50	23 35	0 12	22 24	0 56	1 43	13 26	23 39	23 35	3 20			n.a.
S 3	18 59	22 50	3 6	13 46	4 17	20 58	1 14	8 12	0 38	14 32	1 35	22 0	0 50	23 35	0 12	22 24	0 56	1 42	13 25	23 39	23 35	3 17			n.a.
S 4	18 44	20 14	3 55	14 9	4 9	20 41	1 15	7 56	0 38	14 35	1 36	21 58	0 50	23 35	0 12	22 24	0 56	1 42	13 25	23 39	23 35	3 15			n.a.
M 5	18 29	16 46	4 32	14 33	4 0	20 24	1 16	7 40	0 37	14 37	1 36	21 57	0 50	23 35	0 12	22 24	0 56	1 41	13 24	23 39	23 35	3 12			n.a.
T 6	18 14	12 39	4 56	14 58	3 49	20 6	1 17	7 24	0 36	14 40	1 36	21 56	0 50	23 36	0 12	22 24	0 56	1 40	13 24	23 38	23 34	3 9			n.a.
W 7	17 58	8 6	5 7	15 25	3 35	19 48	1 18	7 8	0 36	14 43	1 36	21 54	0 50	23 36	0 12	22 24	0 56	1 39	13 23	23 38	23 34	3 6			n.a.
T 8	17 42	3 16	5 5	15 52	3 21	19 29	1 19	6 52	0 35	14 45	1 36	21 53	0 50	23 36	0 12	22 24	0 56	1 38	13 23	23 38	23 34	3 3			n.a.
F 9	17 26	1s39	4 49	16 19	3 5	19 10	1 20	6 36	0 34	14 48	1 36	21 52	0 50	23 36	0 12	22 25	0 56	1 38	13 22	23 38	23 34	3 0			n.a.
S 10	17 10	6 31	4 21	16 45	2 48	18 49	1 21	6 20	0 34	14 51	1 37	21 50	0 51	23 37	0 12	22 25	0 56	1 37	13 22	23 38	23 34	2 58			n.a.
S 11	16 53	11 12	3 41	17 11	2 30	18 29	1 21	6 3	0 33	14 54	1 37	21 49	0 51	23 37	0 12	22 25	0 56	1 36	13 21	23 37	23 34	2 55			n.a.
M12	16 36	15 32	2 51	17 35	2 11	18 8	1 22	5 47	0 32	14 56	1 37	21 48	0 51	23 37	0 12	22 25	0 56	1 35	13 21	23 37	23 34	2 52			n.a.
T 13	16 18	19 17	1 52	17 58	1 52	17 46	1 22	5 30	0 32	14 59	1 37	21 46	0 51	23 37	0 12	22 25	0 56	1 34	13 20	23 38	23 33	2 49			n.a.
W14	16 0	22 15	0 46	18 19	1 33	17 24	1 23	5 14	0 31	15 2	1 37	21 45	0 51	23 37	0 12	22 25	0 56	1 34	13 20	23 38	23 33	2 46			n.a.
T 15	15 42	24 7	0s24	18 37	1 14	17 1	1 23	4 57	0 30	15 5	1 37	21 43	0 51	23 37	0 12	22 25	0 56	1 33	13 19	23 38	23 33	2 43			n.a.
F 16	15 24	24 40	1 35	18 53	0 56	16 38	1 24	4 41	0 30	15 7	1 37	21 42	0 51	23 38	0 12	22 25	0 56	1 32	13 19	23 38	23 33	2 40			n.a.
S 17	15 6	23 40	2 43	19 7	0 38	16 14	1 24	4 24	0 29	15 10	1 37	21 41	0 51	23 38	0 12	22 25	0 56	1 31	13 18	23 37	23 33	2 38			n.a.
S 18	14 47	21 6	3 42	19 17	0 21	15 50	1 24	4 7	0 28	15 13	1 38	21 39	0 51	23 38	0 12	22 25	0 56	1 30	13 18	23 37	23 33	2 35			n.a.
M19	14 28	17 6	4 28	19 24	0 4	15 26	1 24	3 51	0 28	15 16	1 38	21 38	0 52	23 38	0 12	22 25	0 56	1 29	13 17	23 37	23 32	2 32			n.a.
T 20	14 9	12 0	4 56	19 28	0n11	15 1	1 24	3 34	0 27	15 19	1 38	21 37	0 52	23 38	0 12	22 26	0 56	1 28	13 17	23 36	23 32	2 29			n.a.
W21	13 49	6 9	5 4	19 29	0 26	14 36	1 25	3 17	0 26	15 21	1 38	21 35	0 52	23 38	0 12	22 26	0 56	1 28	13 16	23 36	23 32	2 26			n.a.
T 22	13 30	0 0	4 51	19 27	0 39	14 10	1 25	3 0	0 26	15 24	1 38	21 34	0 52	23 39	0 12	22 26	0 56	1 27	13 16	23 36	23 32	2 23			n.a.
F 23	13 10	6n 3	4 19	19 21	0 51	13 44	1 24	2 43	0 25	15 27	1 38	21 33	0 52	23 39	0 12	22 26	0 56	1 26	13 15	23 36	23 32	2 20			n.a.
S 24	12 50	11 40	3 32	19 12	1 2	13 17	1 24	2 26	0 25	15 29	1 38	21 31	0 52	23 39	0 12	22 26	0 56	1 25	13 15	23 35	23 32	2 18			n.a.
S 25	12 29	16 33	2 33	19 0	1 12	12 50	1 24	2 9	0 24	15 32	1 38	21 30	0 52	23 39	0 12	22 26	0 56	1 24	13 15	23 35	23 31	2 15			n.a.
M26	12 9	20 26	1 26	18 45	1 21	12 23	1 24	1 52	0 23	15 35	1 38	21 29	0 52	23 39	0 12	22 26	0 56	1 23	13 14	23 35	23 31	2 12			n.a.
T 27	11 48	23 8	0 16	18 26	1 29	11 56	1 23	1 35	0 23	15 37	1 38	21 27	0 52	23 39	0 12	22 26	0 56	1 22	13 14	23 35	23 31	2 9			n.a.
W28	11 27	24 32	0n53	18 5	1 35	11 28	1 23	1 18	0 22	15 40	1 38	21 26	0 53	23 39	0 12	22 26	0 56	1 21	13 13	23 35	23 31	2 6			n.a.
T 29	11 6	24 36	1 57	17 41	1 41	10 59	1 23	1 1	0 21	15 43	1 38	21 25	0 53	23 40	0 12	22 26	0 56	1 20	13 13	23 35	23 31	2 3			n.a.
F 30	10 44	23 24	2 55	17 15	1 45	10 31	1 22	0 44	0 21	15 45	1 38	21 23	0 53	23 40	0 12	22 26	0 56	1 19	13 12	23 35	23 30	2 0			n.a.
S 31	10n23	21n 4	3n44	16n46	1n48	10n 2	1n21	0n26	0n20	15s48	1s38	21n22	0n53	23n40	0n12	22n26	0s56	1n18	13n12	23n35	23n30	1n58			n.a.

Julian Day Number = 1636532.5, Delta T = 03h38m51s
Ecliptic obliquity = 23°43'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'42, Lahiri = - 7°09'42 Julian Calendar 1 Aug. 233 BCE == Greg. Calendar 28 July 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

SEPTEMBER 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 25 34	4♍22'42	23♌58	21♌31	8♍57	0♎21	22°R 8	29♋35	21♊41	20♊26	28♎25	23°R38	22♊23	6♎38	n.a.	S 1
M 2	22 29 31	5°21'53	6♍ 5	23°16	10°12	1° 2	22♒ 1	29°42	21°42	20°27	28°26	23♊26	22°19	6°44	n.a.	M 2
T 3	22 33 27	6°21'06	18° 6	25° 1	11°27	1°44	21°53	29°48	21°44	20°28	28°28	23°12	22°16	6°51	n.a.	T 3
W 4	22 37 24	7°20'22	0♎ 2	26°47	12°42	2°25	21°46	29°55	21°45	20°29	28°30	22°59	22°13	6°58	n.a.	W 4
T 5	22 41 20	8°19'39	11°53	28°34	13°57	3° 7	21°38	0♌ 1	21°47	20°29	28°31	22°46	22°10	7° 4	n.a.	T 5
F 6	22 45 17	9°18'59	23°43	0♍21	15°12	3°49	21°31	0° 8	21°48	20°30	28°33	22°36	22° 7	7°11	n.a.	F 6
S 7	22 49 13	10°18'20	5♏34	2° 7	16°28	4°30	21°24	0°14	21°49	20°31	28°35	22°29	22° 3	7°18	n.a.	S 7
S 8	22 53 10	11°17'43	17°30	3°54	17°43	5°12	21°17	0°21	21°51	20°32	28°37	22°24	22° 0	7°25	n.a.	S 8
M 9	22 57 6	12°17'09	29°35	5°41	18°58	5°54	21°10	0°27	21°52	20°32	28°38	22°22	21°57	7°31	n.a.	M 9
T 10	23 1 3	13°16'36	11♐53	7°27	20°13	6°36	21° 3	0°33	21°53	20°33	28°40	22°D21	21°54	7°38	n.a.	T 10
W11	23 5 0	14°16'05	24°31	9°12	21°28	7°18	20°56	0°40	21°54	20°33	28°42	22°R21	21°51	7°45	n.a.	W11
T 12	23 8 56	15°15'36	7♑33	10°58	22°43	8° 0	20°49	0°46	21°55	20°34	28°44	22°21	21°48	7°51	n.a.	T 12
F 13	23 12 53	16°15'09	21° 3	12°42	23°58	8°42	20°43	0°52	21°56	20°34	28°46	22°19	21°44	7°58	n.a.	F 13
S 14	23 16 49	17°14'44	5♒ 3	14°26	25°13	9°24	20°36	0°58	21°57	20°35	28°48	22°14	21°41	8° 5	n.a.	S 14
S 15	23 20 46	18°14'20	19°33	16°10	26°28	10° 6	20°30	1° 4	21°58	20°35	28°50	22° 6	21°38	8°12	n.a.	S 15
M16	23 24 42	19°13'59	4♓28	17°53	27°43	10°49	20°24	1°10	21°59	20°36	28°52	21°56	21°35	8°18	n.a.	M16
T 17	23 28 39	20°13'39	19°40	19°35	28°58	11°31	20°18	1°16	22° 0	20°36	28°54	21°45	21°32	8°25	n.a.	T 17
W18	23 32 35	21°13'22	4♈59	21°17	0♎13	12°13	20°12	1°22	22° 1	20°36	28°55	21°34	21°29	8°32	n.a.	W18
T 19	23 36 32	22°13'07	20°12	22°58	1°29	12°56	20° 7	1°27	22° 1	20°37	28°57	21°24	21°25	8°38	n.a.	T 19
F 20	23 40 29	23°12'53	5♉11	24°38	2°44	13°38	20° 1	1°33	22° 2	20°37	29° 0	21°16	21°22	8°45	n.a.	F 20
S 21	23 44 25	24°12'43	19°46	26°18	3°59	14°21	19°56	1°39	22° 3	20°37	29° 2	21°11	21°19	8°52	n.a.	S 21
S 22	23 48 22	25°12'34	3♊55	27°57	5°14	15° 3	19°51	1°44	22° 3	20°37	29° 4	21° 8	21°16	8°59	n.a.	S 22
M23	23 52 18	26°12'29	17°37	29°35	6°29	15°46	19°46	1°50	22° 4	20°38	29° 6	21° 8	21°13	9° 5	n.a.	M23
T 24	23 56 15	27°12'25	0♋54	1♎13	7°44	16°29	19°41	1°55	22° 4	20°38	29° 8	21° 8	21° 9	9°12	n.a.	T 24
W25	0 0 11	28°12'24	13°49	2°51	8°59	17°12	19°36	2° 1	22° 5	20°38	29°10	21° 7	21° 6	9°19	n.a.	W25
T 26	0 4 8	29°12'25	26°25	4°28	10°14	17°54	19°32	2° 6	22° 5	20°38	29°12	21° 4	21° 3	9°25	n.a.	T 26
F 27	0 8 4	0♎12'28	8♌48	6° 4	11°29	18°37	19°27	2°11	22° 5	20°R38	29°14	20°59	21° 0	9°32	n.a.	F 27
S 28	0 12 1	1°12'33	21° 0	7°40	12°45	19°20	19°23	2°16	22° 5	20°38	29°16	20°51	20°57	9°39	n.a.	S 28
S 29	0 15 58	2°12'41	3♍ 4	9°15	14° 0	20° 3	19°19	2°21	22° 6	20°38	29°19	20°40	20°54	9°46	n.a.	S 29
M30	0 19 54	3♎12'50	15♍ 3	10♎50	15♎15	20♎47	19♒15	2♌26	22♊ 6	20♊38	29♎21	20♊27	20♊50	9♎52	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n 1	17n48	4n22	16n15	1n51	9n33	1n21	0n 9	0n19	15s50	1s38	21n21	0n53	23n40	0n12	22n26	0s56	1n17	13n11	23n34	23n30	1n55		n.a.
M 2	9 39	13 49	4 47	15 42	1 53	9 4	1 20	0s 8	0 19	15 53	1 38	21 19	0 53	23 40	0 13	22 26	0 56	1 16	13 11	23 34	23 30	1 52		n.a.
T 3	9 17	9 20	4 59	15 7	1 53	8 34	1 19	0 25	0 18	15 55	1 38	21 18	0 53	23 40	0 13	22 26	0 56	1 16	13 11	23 33	23 30	1 49		n.a.
W 4	8 55	4 32	4 58	14 30	1 54	8 4	1 18	0 43	0 17	15 58	1 38	21 17	0 54	23 40	0 13	22 26	0 56	1 15	13 10	23 32	23 30	1 46		n.a.
T 5	8 33	0s24	4 44	13 53	1 53	7 34	1 17	1 0	0 17	16 0	1 38	21 16	0 54	23 40	0 13	22 26	0 56	1 14	13 10	23 31	23 29	1 43		n.a.
F 6	8 10	5 19	4 18	13 13	1 52	7 4	1 16	1 17	0 16	16 2	1 38	21 14	0 54	23 41	0 13	22 26	0 56	1 13	13 9	23 31	23 29	1 40		n.a.
S 7	7 48	10 4	3 41	12 33	1 50	6 34	1 15	1 35	0 15	16 5	1 38	21 13	0 54	23 41	0 13	22 26	0 57	1 12	13 9	23 30	23 29	1 37		n.a.
S 8	7 25	14 29	2 53	11 52	1 48	6 3	1 14	1 52	0 15	16 7	1 38	21 12	0 54	23 41	0 13	22 26	0 57	1 11	13 9	23 30	23 29	1 35		n.a.
M 9	7 2	18 23	1 57	11 10	1 45	5 32	1 13	2 9	0 14	16 9	1 38	21 11	0 54	23 41	0 13	22 26	0 57	1 10	13 8	23 30	23 29	1 32		n.a.
T 10	6 39	21 34	0 55	10 27	1 42	5 1	1 12	2 27	0 13	16 11	1 38	21 9	0 54	23 41	0 13	22 27	0 57	1 9	13 8	23 30	23 28	1 29		n.a.
W11	6 16	23 48	0s11	9 43	1 38	4 30	1 11	2 44	0 13	16 13	1 37	21 8	0 55	23 41	0 13	22 27	0 57	1 8	13 7	23 30	23 28	1 26		n.a.
T 12	5 53	24 50	1 19	8 59	1 34	3 59	1 9	3 2	0 12	16 16	1 37	21 7	0 55	23 41	0 13	22 27	0 57	1 7	13 7	23 30	23 28	1 23		n.a.
F 13	5 29	24 27	2 25	8 15	1 30	3 28	1 8	3 19	0 11	16 18	1 37	21 6	0 55	23 41	0 13	22 27	0 57	1 6	13 7	23 30	23 28	1 20		n.a.
S 14	5 6	22 32	3 25	7 30	1 25	2 56	1 7	3 36	0 11	16 20	1 37	21 4	0 55	23 41	0 13	22 27	0 57	1 5	13 6	23 30	23 28	1 17		n.a.
S 15	4 42	19 8	4 13	6 45	1 20	2 25	1 5	3 54	0 10	16 21	1 37	21 3	0 55	23 41	0 13	22 27	0 57	1 4	13 6	23 29	23 27	1 14		n.a.
M16	4 19	14 25	4 46	5 59	1 15	1 53	1 4	4 11	0 9	16 23	1 37	21 2	0 55	23 41	0 13	22 27	0 57	1 3	13 6	23 29	23 27	1 11		n.a.
T 17	3 55	8 43	5 0	5 14	1 9	1 22	1 2	4 29	0 9	16 25	1 37	21 1	0 55	23 42	0 13	22 27	0 57	1 2	13 5	23 28	23 27	1 8		n.a.
W18	3 31	2 27	4 52	4 28	1 4	0 50	1 0	4 46	0 8	16 27	1 37	21 0	0 56	23 42	0 13	22 27	0 57	1 1	13 5	23 27	23 27	1 6		n.a.
T 19	3 7	3n56	4 23	3 43	0 58	0 18	0 59	5 3	0 7	16 29	1 36	20 59	0 56	23 42	0 13	22 27	0 57	1 0	13 5	23 26	23 27	1 3		n.a.
F 20	2 43	10 0	3 37	2 57	0 52	0s14	0 57	5 21	0 7	16 30	1 36	20 57	0 56	23 42	0 13	22 27	0 57	0 59	13 4	23 26	23 26	1 0		n.a.
S 21	2 20	15 22	2 37	2 11	0 46	0 45	0 55	5 38	0 6	16 32	1 36	20 56	0 56	23 42	0 13	22 27	0 57	0 58	13 4	23 26	23 26	0 57		n.a.
S 22	1 56	19 43	1 30	1 26	0 40	1 17	0 53	5 55	0 5	16 33	1 36	20 55	0 56	23 42	0 13	22 27	0 57	0 57	13 4	23 25	23 26	0 54		n.a.
M23	1 31	22 50	0 19	0 40	0 33	1 49	0 51	6 12	0 5	16 35	1 36	20 54	0 56	23 42	0 13	22 27	0 57	0 56	13 3	23 25	23 26	0 51		n.a.
T 24	1 7	24 35	0n51	0s 5	0 27	2 21	0 50	6 30	0 4	16 36	1 36	20 53	0 57	23 42	0 13	22 27	0 57	0 55	13 3	23 25	23 26	0 48		n.a.
W25	0 43	24 56	1 57	0 50	0 20	2 53	0 48	6 47	0 3	16 37	1 36	20 52	0 57	23 42	0 13	22 27	0 57	0 54	13 3	23 25	23 25	0 45		n.a.
T 26	0 19	23 59	2 55	1 35	0 14	3 24	0 46	7 4	0 3	16 39	1 35	20 51	0 57	23 42	0 13	22 27	0 57	0 53	13 2	23 25	23 25	0 42		n.a.
F 27	0s 5	21 52	3 43	2 20	0 7	3 56	0 44	7 21	0 2	16 40	1 35	20 50	0 57	23 42	0 13	22 27	0 57	0 52	13 2	23 25	23 25	0 39		n.a.
S 28	0 29	18 47	4 21	3 4	0 0	4 27	0 41	7 38	0 1	16 41	1 35	20 49	0 57	23 42	0 13	22 26	0 57	0 51	13 2	23 24	23 25	0 36		n.a.
S 29	0 53	14 56	4 46	3 48	0s 6	4 59	0 39	7 55	0 1	16 42	1 35	20 48	0 57	23 42	0 13	22 26	0 57	0 50	13 2	23 23	23 24	0 34		n.a.
M30	1s18	10n32	4n59	4s32	0s13	5s30	0n37	8s12	0s 0	16s43	1s35	20n47	0n58	23n42	0n13	22n26	0s57	0n49	13n 1	23n23	23n24	0n31		n.a.

Julian Day Number = 1636563.5, Delta T = 03h38m50s
Ecliptic obliquity = 23°43'26, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'38, Lahiri = - 7°09'37 Julian Calendar 1 Sept. 233 BCE == Greg. Calendar 28 Aug. 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

OCTOBER 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 23 51	4♎13'02	26♍58	12♎24	16♎30	21♎30	19°R12	2♌31	22°R 6	20°R38	29♎23	20°R13	20♊47	9♎59	n.a.	T 1
W 2	0 27 47	5°13'15	8♎50	13°58	17°45	22°13	19♒ 8	2°36	22♊ 6	20♊37	29°25	19♊58	20°44	10° 6	n.a.	W 2
T 3	0 31 44	6°13'31	20°41	15°32	19° 0	22°56	19° 5	2°41	22° 6	20°37	29°27	19°45	20°41	10°13	n.a.	T 3
F 4	0 35 40	7°13'48	2♏33	17° 5	20°15	23°40	19° 2	2°45	22° 6	20°37	29°30	19°34	20°38	10°19	n.a.	F 4
S 5	0 39 37	8°14'07	14°26	18°38	21°30	24°23	18°59	2°50	22° 5	20°37	29°32	19°26	20°35	10°26	n.a.	S 5
S 6	0 43 33	9°14'27	26°24	20°10	22°46	25° 7	18°57	2°54	22° 5	20°36	29°34	19°21	20°31	10°33	n.a.	S 6
M 7	0 47 30	10°14'50	8♐31	21°42	24° 1	25°50	18°54	2°59	22° 5	20°36	29°36	19°18	20°28	10°39	n.a.	M 7
T 8	0 51 26	11°15'14	20°49	23°13	25°16	26°34	18°52	3° 3	22° 5	20°36	29°39	19°D18	20°25	10°46	n.a.	T 8
W 9	0 55 23	12°15'39	3♑24	24°44	26°31	27°17	18°50	3° 7	22° 4	20°35	29°41	19°18	20°22	10°53	n.a.	W 9
T 10	0 59 20	13°16'06	16°20	26°15	27°46	28° 1	18°48	3°11	22° 4	20°35	29°43	19°R19	20°19	11° 0	n.a.	T 10
F 11	1 3 16	14°16'35	29°41	27°45	29° 1	28°45	18°47	3°15	22° 3	20°35	29°46	19°17	20°15	11° 6	n.a.	F 11
S 12	1 7 13	15°17'05	13♒31	29°15	0♏16	29°29	18°45	3°19	22° 3	20°34	29°48	19°14	20°12	11°13	n.a.	S 12
S 13	1 11 9	16°17'36	27°50	0♏45	1°31	0♏12	18°44	3°23	22° 2	20°34	29°50	19° 9	20° 9	11°20	n.a.	S 13
M14	1 15 6	17°18'08	12♓36	2°14	2°46	0°56	18°43	3°27	22° 1	20°33	29°53	19° 1	20° 6	11°26	n.a.	M14
T 15	1 19 2	18°18'42	27°44	3°42	4° 1	1°40	18°42	3°31	22° 1	20°32	29°55	18°51	20° 3	11°33	n.a.	T 15
W16	1 22 59	19°19'18	13♈ 3	5°11	5°16	2°24	18°42	3°34	22° 0	20°32	29°57	18°42	20° 0	11°40	n.a.	W16
T 17	1 26 55	20°19'55	28°22	6°38	6°31	3° 8	18°41	3°38	21°59	20°31	29°59	18°34	19°56	11°47	n.a.	T 17
F 18	1 30 52	21°20'33	13♉31	8° 5	7°47	3°53	18°D41	3°41	21°58	20°31	0♏ 2	18°27	19°53	11°53	n.a.	F 18
S 19	1 34 49	22°21'14	28°20	9°32	9° 2	4°37	18°41	3°44	21°57	20°30	0° 4	18°23	19°50	12° 0	n.a.	S 19
S 20	1 38 45	23°21'56	12♊42	10°58	10°17	5°21	18°42	3°48	21°57	20°29	0° 7	18°D21	19°47	12° 7	n.a.	S 20
M21	1 42 42	24°22'40	26°35	12°23	11°32	6° 5	18°42	3°51	21°56	20°28	0° 9	18°21	19°44	12°13	n.a.	M21
T 22	1 46 38	25°23'25	10♋ 0	13°48	12°47	6°50	18°43	3°54	21°54	20°28	0°12	18°22	19°40	12°20	n.a.	T 22
W23	1 50 35	26°24'13	22°59	15°12	14° 2	7°34	18°44	3°57	21°53	20°27	0°14	18°R23	19°37	12°27	n.a.	W23
T 24	1 54 31	27°25'02	5♌37	16°34	15°17	8°19	18°45	3°59	21°52	20°26	0°16	18°23	19°34	12°33	n.a.	T 24
F 25	1 58 28	28°25'52	17°57	17°56	16°32	9° 3	18°46	4° 2	21°51	20°25	0°19	18°21	19°31	12°40	n.a.	F 25
S 26	2 2 24	29°26'44	0♍ 5	19°16	17°47	9°48	18°48	4° 5	21°50	20°24	0°21	18°16	19°28	12°47	n.a.	S 26
S 27	2 6 21	0♏27'38	12° 4	20°35	19° 2	10°32	18°49	4° 7	21°48	20°23	0°24	18°10	19°25	12°54	n.a.	S 27
M28	2 10 18	1°28'33	23°57	21°53	20°17	11°17	18°51	4°10	21°47	20°22	0°26	18° 1	19°21	13° 0	n.a.	M28
T 29	2 14 14	2°29'29	5♎49	23° 8	21°32	12° 2	18°53	4°12	21°46	20°21	0°28	17°52	19°18	13° 7	n.a.	T 29
W30	2 18 11	3°30'27	17°40	24°21	22°47	12°47	18°56	4°14	21°44	20°20	0°31	17°43	19°15	13°14	n.a.	W30
T 31	2 22 7	4♏31'26	29♎33	25♏32	24♏ 2	13♏31	18♒58	4♌16	21♊43	20♊19	0♏33	17♊34	19♊12	13♎20	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	1s42	5n46	4n58	5s15	0s19	6s 1	0n35	8s29	0s 1	16s44	1s34	20n46	0n58	23n42	0n13	22n26	0s57	0n48	13n 1	23n21	23n24	0n28			n.a.
W 2	2 6	0 48	4 44	5 59	0 26	6 32	0 33	8 46	0 1	16 45	1 34	20 45	0 58	23 42	0 13	22 26	0 57	0 47	13 1	23 20	23 24	0 25			n.a.
T 3	2 30	4s11	4 18	6 41	0 33	7 3	0 31	9 3	0 2	16 46	1 34	20 44	0 58	23 42	0 13	22 26	0 57	0 46	13 1	23 19	23 24	0 22			n.a.
F 4	2 54	9 3	3 41	7 23	0 39	7 34	0 28	9 20	0 3	16 47	1 34	20 43	0 58	23 42	0 13	22 26	0 57	0 45	13 0	23 19	23 23	0 19			n.a.
S 5	3 18	13 36	2 54	8 5	0 46	8 5	0 26	9 37	0 3	16 47	1 34	20 42	0 58	23 42	0 13	22 26	0 57	0 44	13 0	23 18	23 23	0 16			n.a.
S 6	3 42	17 40	1 58	8 47	0 52	8 35	0 24	9 54	0 4	16 48	1 33	20 41	0 59	23 42	0 13	22 26	0 57	0 43	13 0	23 17	23 23	0 13			n.a.
M 7	4 6	21 3	0 57	9 27	0 59	9 6	0 21	10 10	0 5	16 48	1 33	20 41	0 59	23 42	0 13	22 26	0 57	0 42	13 0	23 17	23 23	0 10			n.a.
T 8	4 30	23 32	0s 8	10 8	1 5	9 36	0 19	10 27	0 5	16 49	1 33	20 40	0 59	23 42	0 13	22 26	0 57	0 41	12 59	23 17	23 22	0 7			n.a.
W 9	4 54	24 55	1 14	10 48	1 11	10 5	0 17	10 43	0 6	16 49	1 33	20 39	0 59	23 42	0 13	22 26	0 57	0 40	12 59	23 17	23 22	0 4			n.a.
T 10	5 18	25 0	2 19	11 27	1 17	10 35	0 14	11 0	0 7	16 50	1 33	20 38	0 59	23 42	0 13	22 26	0 57	0 39	12 59	23 17	23 22	0 1			n.a.
F 11	5 42	23 41	3 18	12 5	1 23	11 4	0 12	11 16	0 7	16 50	1 32	20 37	0 59	23 42	0 13	22 26	0 57	0 38	12 59	23 17	23 22	0s 2			n.a.
S 12	6 5	20 54	4 7	12 43	1 29	11 33	0 9	11 32	0 8	16 50	1 32	20 37	1 0	23 42	0 13	22 26	0 57	0 37	12 59	23 17	23 21	0 4			n.a.
S 13	6 29	16 47	4 43	13 21	1 35	12 2	0 7	11 49	0 9	16 50	1 32	20 36	1 0	23 42	0 13	22 26	0 57	0 36	12 58	23 16	23 21	0 7			n.a.
M14	6 52	11 33	5 2	13 57	1 40	12 31	0 4	12 5	0 9	16 51	1 32	20 35	1 0	23 42	0 13	22 26	0 57	0 35	12 58	23 16	23 21	0 10			n.a.
T 15	7 16	5 30	5 0	14 33	1 45	12 59	0 2	12 21	0 10	16 51	1 31	20 35	1 0	23 42	0 13	22 26	0 57	0 34	12 58	23 15	23 21	0 13			n.a.
W16	7 39	0n58	4 37	15 8	1 50	13 27	0s 1	12 37	0 11	16 51	1 31	20 34	1 0	23 42	0 13	22 26	0 57	0 33	12 58	23 14	23 20	0 16			n.a.
T 17	8 2	7 23	3 54	15 42	1 55	13 54	0 3	12 53	0 11	16 50	1 31	20 33	1 1	23 42	0 13	22 26	0 57	0 32	12 58	23 13	23 20	0 19			n.a.
F 18	8 25	13 18	2 55	16 16	2 0	14 21	0 6	13 9	0 12	16 50	1 31	20 33	1 1	23 42	0 13	22 26	0 57	0 31	12 58	23 13	23 20	0 22			n.a.
S 19	8 48	18 19	1 45	16 48	2 4	14 48	0 8	13 24	0 12	16 50	1 30	20 32	1 1	23 42	0 13	22 26	0 57	0 30	12 58	23 13	23 20	0 25			n.a.
S 20	9 11	22 5	0 30	17 20	2 8	15 15	0 11	13 40	0 13	16 50	1 30	20 31	1 1	23 42	0 14	22 25	0 57	0 29	12 57	23 12	23 20	0 28			n.a.
M21	9 34	24 25	0n44	17 50	2 12	15 41	0 13	13 55	0 14	16 49	1 30	20 31	1 1	23 42	0 14	22 25	0 57	0 29	12 57	23 12	23 19	0 31			n.a.
T 22	9 56	25 14	1 54	18 19	2 16	16 6	0 16	14 11	0 14	16 49	1 30	20 30	1 2	23 42	0 14	22 25	0 57	0 28	12 57	23 12	23 19	0 34			n.a.
W23	10 18	24 37	2 55	18 48	2 19	16 32	0 18	14 26	0 15	16 48	1 29	20 30	1 2	23 42	0 14	22 25	0 57	0 27	12 57	23 13	23 19	0 37			n.a.
T 24	10 41	22 44	3 46	19 15	2 22	16 57	0 21	14 41	0 16	16 48	1 29	20 29	1 2	23 42	0 14	22 25	0 57	0 26	12 57	23 13	23 19	0 40			n.a.
F 25	11 3	19 50	4 25	19 41	2 24	17 21	0 23	14 56	0 16	16 47	1 29	20 29	1 2	23 42	0 14	22 25	0 57	0 25	12 57	23 12	23 18	0 43			n.a.
S 26	11 24	16 7	4 52	20 5	2 26	17 45	0 26	15 11	0 17	16 46	1 29	20 28	1 2	23 42	0 14	22 25	0 57	0 24	12 57	23 12	23 18	0 46			n.a.
S 27	11 46	11 49	5 5	20 28	2 27	18 8	0 28	15 26	0 18	16 46	1 28	20 28	1 3	23 42	0 14	22 25	0 58	0 23	12 57	23 11	23 18	0 49			n.a.
M28	12 8	7 5	5 6	20 50	2 28	18 31	0 31	15 41	0 18	16 45	1 28	20 28	1 3	23 42	0 14	22 25	0 58	0 22	12 57	23 11	23 17	0 51			n.a.
T 29	12 29	2 8	4 52	21 10	2 29	18 54	0 33	15 55	0 19	16 44	1 28	20 27	1 3	23 42	0 14	22 25	0 58	0 21	12 57	23 10	23 17	0 54			n.a.
W30	12 50	2s55	4 27	21 29	2 28	19 16	0 36	16 10	0 19	16 43	1 28	20 27	1 3	23 41	0 14	22 25	0 58	0 21	12 57	23 9	23 17	0 57			n.a.
T 31	13s11	7s52	3n49	21s45	2s27	19s37	0s38	16s24	0s20	16s42	1s27	20n27	1n 3	23n41	0n14	22n25	0s58	0n20	12n57	23n 8	23n17	1s 0			n.a.

Julian Day Number = 1636593.5, Delta T = 03h38m49s
Ecliptic obliquity = 23°43'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'34, Lahiri = - 7°09'33 Julian Calendar 1 Oct. 233 BCE == Greg. Calendar 27 Sept. 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

NOVEMBER 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 26 4	5♏32'26	11♏29	26♏40	25♏17	14♏16	19♒ 1	4♌18	21°R41	20°R18	0♏35	17°R27	19♊ 9	13♎27	n.a.	F 1
S 2	2 30 0	6°33'27	23°30	27°45	26°32	15° 1	19° 4	4°20	21♊40	20♊17	0°38	17♊23	19° 6	13°34	n.a.	S 2
S 3	2 33 57	7°34'30	5♐38	28°45	27°47	15°46	19° 7	4°22	21°38	20°16	0°40	17°20	19° 2	13°41	n.a.	S 3
M 4	2 37 53	8°35'33	17°54	29°42	29° 1	16°31	19°10	4°23	21°36	20°15	0°43	17°D19	18°59	13°47	n.a.	M 4
T 5	2 41 50	9°36'37	0♑21	0♐34	0♐16	17°16	19°14	4°25	21°35	20°13	0°45	17°20	18°56	13°54	n.a.	T 5
W 6	2 45 47	10°37'42	13° 1	1°20	1°31	18° 2	19°17	4°26	21°33	20°12	0°47	17°21	18°53	14° 1	n.a.	W 6
T 7	2 49 43	11°38'48	25°59	2° 0	2°46	18°47	19°21	4°28	21°31	20°11	0°50	17°23	18°50	14° 7	n.a.	T 7
F 8	2 53 40	12°39'54	9♒17	2°32	4° 1	19°32	19°25	4°29	21°29	20°10	0°52	17°R24	18°46	14°14	n.a.	F 8
S 9	2 57 36	13°41'00	22°57	2°57	5°16	20°17	19°30	4°30	21°27	20° 8	0°54	17°23	18°43	14°21	n.a.	S 9
S 10	3 1 33	14°42'07	7♓ 1	3°13	6°31	21° 3	19°34	4°31	21°26	20° 7	0°57	17°22	18°40	14°28	n.a.	S 10
M11	3 5 29	15°43'15	21°29	3°R19	7°46	21°48	19°39	4°32	21°24	20° 6	0°59	17°18	18°37	14°34	n.a.	M11
T 12	3 9 26	16°44'23	6♈16	3°14	9° 1	22°34	19°44	4°33	21°22	20° 4	1° 1	17°14	18°34	14°41	n.a.	T 12
W13	3 13 22	17°45'31	21°16	2°59	10°15	23°19	19°49	4°33	21°20	20° 3	1° 4	17°10	18°31	14°48	n.a.	W13
T 14	3 17 19	18°46'40	6♉22	2°32	11°30	24° 4	19°54	4°34	21°18	20° 2	1° 6	17° 5	18°27	14°54	n.a.	T 14
F 15	3 21 16	19°47'50	21°22	1°53	12°45	24°50	19°59	4°34	21°16	20° 0	1° 8	17° 2	18°24	15° 1	n.a.	F 15
S 16	3 25 12	20°49'00	6♊10	1° 3	14° 0	25°36	20° 5	4°35	21°13	19°59	1°11	17° 1	18°21	15° 8	n.a.	S 16
S 17	3 29 9	21°50'11	20°36	0° 3	15°15	26°21	20°10	4°35	21°11	19°57	1°13	17°D 0	18°18	15°15	n.a.	S 17
M18	3 33 5	22°51'23	4♋38	28♏54	16°29	27° 7	20°16	4°R35	21° 9	19°56	1°15	17° 1	18°15	15°21	n.a.	M18
T 19	3 37 2	23°52'35	18°12	27°38	17°44	27°53	20°22	4°35	21° 7	19°54	1°17	17° 3	18°12	15°28	n.a.	T 19
W20	3 40 58	24°53'48	1♌20	26°17	18°59	28°39	20°29	4°35	21° 5	19°53	1°20	17° 4	18° 8	15°35	n.a.	W20
T 21	3 44 55	25°55'02	14° 4	24°55	20°13	29°24	20°35	4°35	21° 2	19°51	1°22	17° 6	18° 5	15°41	n.a.	T 21
F 22	3 48 52	26°56'16	26°29	23°33	21°28	0♐10	20°42	4°34	21° 0	19°50	1°24	17°R 6	18° 2	15°48	n.a.	F 22
S 23	3 52 48	27°57'31	8♍38	22°15	22°43	0°56	20°48	4°34	20°58	19°48	1°26	17° 6	17°59	15°55	n.a.	S 23
S 24	3 56 45	28°58'46	20°37	21° 3	23°57	1°42	20°55	4°33	20°55	19°47	1°29	17° 4	17°56	16° 2	n.a.	S 24
M25	4 0 41	0♐ 0'02	2♎29	19°59	25°12	2°28	21° 2	4°33	20°53	19°45	1°31	17° 2	17°52	16° 8	n.a.	M25
T 26	4 4 38	1° 1'18	14°20	19° 3	26°27	3°14	21°10	4°32	20°51	19°44	1°33	17° 0	17°49	16°15	n.a.	T 26
W27	4 8 34	2° 2'34	26°11	18°19	27°41	4° 0	21°17	4°31	20°48	19°42	1°35	16°57	17°46	16°22	n.a.	W27
T 28	4 12 31	3° 3'51	8♏ 8	17°44	28°56	4°46	21°25	4°30	20°46	19°40	1°37	16°55	17°43	16°28	n.a.	T 28
F 29	4 16 27	4° 5'08	20°11	17°20	0♑11	5°32	21°32	4°29	20°43	19°39	1°39	16°53	17°40	16°35	n.a.	F 29
S 30	4 20 24	5♐ 6'25	2♐23	17♏ 7	1♑25	6♐19	21♒40	4♌28	20♊41	19♊37	1♏41	16♊52	17♊37	16♎42	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s31	12s35	3n 2	22s 0	2s26	19s58	0s41	16s38	0s21	16s41	1s27	20n26	1n 4	23n41	0n14	22n24	0s58	0n19	12n57	23n 7	23n16	1s 3		n.a.
S 2	13 52	16 51	2 6	22 13	2 23	20 18	0 43	16 52	0 21	16 40	1 27	20 26	1 4	23 41	0 14	22 24	0 58	0 18	12 56	23 7	23 16	1 6		n.a.
S 3	14 12	20 28	1 3	22 23	2 20	20 38	0 45	17 6	0 22	16 38	1 27	20 26	1 4	23 41	0 14	22 24	0 58	0 17	12 56	23 7	23 16	1 9		n.a.
M 4	14 32	23 13	0s 3	22 32	2 15	20 57	0 48	17 20	0 23	16 37	1 26	20 26	1 4	23 41	0 14	22 24	0 58	0 16	12 56	23 7	23 16	1 12		n.a.
T 5	14 52	24 54	1 10	22 38	2 10	21 16	0 50	17 34	0 23	16 36	1 26	20 26	1 4	23 41	0 14	22 24	0 58	0 16	12 56	23 7	23 15	1 15		n.a.
W 6	15 11	25 20	2 16	22 41	2 3	21 34	0 52	17 47	0 24	16 34	1 26	20 25	1 5	23 41	0 14	22 24	0 58	0 15	12 56	23 7	23 15	1 18		n.a.
T 7	15 30	24 24	3 15	22 42	1 56	21 51	0 55	18 0	0 24	16 33	1 26	20 25	1 5	23 41	0 14	22 24	0 58	0 14	12 56	23 7	23 15	1 21		n.a.
F 8	15 49	22 6	4 6	22 39	1 47	22 8	0 57	18 14	0 25	16 31	1 26	20 25	1 5	23 41	0 14	22 24	0 58	0 13	12 56	23 7	23 15	1 24		n.a.
S 9	16 8	18 30	4 45	22 34	1 36	22 24	0 59	18 26	0 26	16 30	1 25	20 25	1 5	23 41	0 14	22 24	0 58	0 12	12 56	23 7	23 14	1 27		n.a.
S 10	16 26	13 47	5 7	22 26	1 25	22 40	1 1	18 39	0 26	16 28	1 25	20 25	1 5	23 40	0 14	22 24	0 58	0 12	12 57	23 7	23 14	1 30		n.a.
M11	16 44	8 11	5 12	22 14	1 11	22 54	1 3	18 52	0 27	16 26	1 25	20 25	1 6	23 40	0 14	22 23	0 58	0 11	12 57	23 7	23 14	1 33		n.a.
T 12	17 2	2 0	4 56	21 59	0 57	23 9	1 6	19 4	0 27	16 25	1 25	20 25	1 6	23 40	0 14	22 23	0 58	0 10	12 57	23 6	23 13	1 36		n.a.
W13	17 20	4n24	4 19	21 40	0 41	23 22	1 8	19 17	0 28	16 23	1 24	20 25	1 6	23 40	0 14	22 23	0 58	0 9	12 57	23 6	23 13	1 39		n.a.
T 14	17 37	10 35	3 25	21 17	0 23	23 35	1 10	19 29	0 29	16 21	1 24	20 25	1 6	23 40	0 14	22 23	0 58	0 9	12 57	23 5	23 13	1 42		n.a.
F 15	17 54	16 8	2 16	20 51	0 4	23 47	1 12	19 40	0 29	16 19	1 24	20 25	1 6	23 40	0 14	22 23	0 58	0 8	12 57	23 5	23 13	1 45		n.a.
S 16	18 10	20 37	0 59	20 22	0n15	23 58	1 14	19 52	0 30	16 17	1 24	20 25	1 7	23 40	0 14	22 23	0 58	0 7	12 57	23 5	23 12	1 48		n.a.
S 17	18 26	23 43	0n20	19 50	0 35	24 9	1 15	20 4	0 30	16 15	1 23	20 26	1 7	23 40	0 14	22 23	0 58	0 7	12 57	23 5	23 12	1 51		n.a.
M18	18 42	25 14	1 35	19 15	0 56	24 19	1 17	20 15	0 31	16 13	1 23	20 26	1 7	23 40	0 14	22 23	0 58	0 6	12 57	23 5	23 12	1 54		n.a.
T 19	18 58	25 10	2 43	18 38	1 16	24 28	1 19	20 26	0 32	16 11	1 23	20 26	1 7	23 39	0 14	22 23	0 58	0 5	12 57	23 5	23 12	1 57		n.a.
W20	19 13	23 41	3 40	18 1	1 35	24 36	1 21	20 37	0 32	16 8	1 23	20 26	1 8	23 39	0 14	22 22	0 58	0 5	12 57	23 5	23 11	2 0		n.a.
T 21	19 28	21 1	4 25	17 23	1 53	24 44	1 23	20 48	0 33	16 6	1 22	20 26	1 8	23 39	0 14	22 22	0 58	0 4	12 57	23 5	23 11	2 3		n.a.
F 22	19 42	17 27	4 55	16 47	2 10	24 51	1 24	20 58	0 33	16 4	1 22	20 27	1 8	23 39	0 14	22 22	0 58	0 3	12 57	23 5	23 11	2 5		n.a.
S 23	19 56	13 14	5 12	16 14	2 24	24 57	1 26	21 9	0 34	16 1	1 22	20 27	1 8	23 39	0 14	22 22	0 58	0 3	12 57	23 5	23 10	2 8		n.a.
S 24	20 10	8 34	5 15	15 43	2 36	25 2	1 27	21 19	0 35	15 59	1 22	20 27	1 8	23 39	0 14	22 22	0 58	0 2	12 58	23 5	23 10	2 11		n.a.
M25	20 23	3 38	5 4	15 17	2 46	25 7	1 29	21 29	0 35	15 56	1 22	20 28	1 9	23 39	0 14	22 22	0 58	0 1	12 58	23 5	23 10	2 14		n.a.
T 26	20 36	1s25	4 40	14 54	2 54	25 11	1 30	21 38	0 36	15 54	1 21	20 28	1 9	23 38	0 14	22 22	0 58	0 1	12 58	23 5	23 10	2 17		n.a.
W27	20 49	6 26	4 5	14 37	2 59	25 14	1 32	21 48	0 36	15 51	1 21	20 29	1 9	23 38	0 14	22 22	0 58	0 0	12 58	23 5	23 9	2 20		n.a.
T 28	21 1	11 16	3 18	14 24	3 2	25 16	1 33	21 57	0 37	15 49	1 21	20 29	1 9	23 38	0 14	22 21	0 58	0s 0	12 58	23 4	23 9	2 23		n.a.
F 29	21 13	15 43	2 22	14 16	3 4	25 18	1 34	22 6	0 37	15 46	1 21	20 29	1 9	23 38	0 14	22 21	0 58	0 1	12 58	23 4	23 9	2 26		n.a.
S 30	21s24	19s35	1n19	14s13	3n 3	25s18	1s35	22s14	0s38	15s43	1s20	20n30	1n10	23n38	0n14	22n21	0s58	0s 1	12n58	23n 4	23n 8	2s29		n.a.

Julian Day Number = 1636624.5, Delta T = 03h38m48s
Ecliptic obliquity = 23°43'26, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'30, Lahiri = - 7°09'29 Julian Calendar 1 Nov. 233 BCE == Greg. Calendar 28 Oct. 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 233 BCE
geocentric

DECEMBER 233 BCE (-232) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 24 21	6♐ 7'43	14♐45	17°D 3	2♉40	7♐ 5	21♒48	4°R26	20°R38	19°R36	1♏43	16°D51	17♊33	16♎48	n.a.	S 1
M 2	4 28 17	7° 9'00	27°18	17♏ 8	3°54	7°51	21°56	4♌25	20♊36	19♊34	1°46	16♊52	17°30	16°55	n.a.	M 2
T 3	4 32 14	8°10'17	10♉ 3	17°22	5° 9	8°37	22° 5	4°23	20°33	19°32	1°48	16°52	17°27	17° 2	n.a.	T 3
W 4	4 36 10	9°11'33	23° 1	17°44	6°23	9°24	22°13	4°22	20°31	19°31	1°50	16°53	17°24	17° 9	n.a.	W 4
T 5	4 40 7	10°12'50	6♒13	18°12	7°38	10°10	22°22	4°20	20°28	19°29	1°52	16°54	17°21	17°15	n.a.	T 5
F 6	4 44 3	11°14'05	19°40	18°47	8°52	10°57	22°31	4°18	20°26	19°27	1°54	16°54	17°18	17°22	n.a.	F 6
S 7	4 48 0	12°15'21	3♓21	19°28	10° 6	11°43	22°40	4°16	20°23	19°26	1°55	16°55	17°14	17°29	n.a.	S 7
S 8	4 51 56	13°16'35	17°18	20°13	11°21	12°30	22°49	4°14	20°21	19°24	1°57	16°R55	17°11	17°35	n.a.	S 8
M 9	4 55 53	14°17'49	1♈30	21° 3	12°35	13°16	22°58	4°12	20°18	19°22	1°59	16°54	17° 8	17°42	n.a.	M 9
T 10	4 59 50	15°19'02	15°53	21°57	13°49	14° 3	23° 7	4° 9	20°16	19°21	2° 1	16°54	17° 5	17°49	n.a.	T 10
W11	5 3 46	16°20'15	0♉27	22°55	15° 4	14°49	23°16	4° 7	20°13	19°19	2° 3	16°54	17° 2	17°56	n.a.	W11
T 12	5 7 43	17°21'27	15° 4	23°56	16°18	15°36	23°26	4° 5	20°10	19°17	2° 5	16°D54	16°58	18° 2	n.a.	T 12
F 13	5 11 39	18°22'38	29°40	25° 0	17°32	16°22	23°36	4° 2	20° 8	19°15	2° 7	16°54	16°55	18° 9	n.a.	F 13
S 14	5 15 36	19°23'49	14♊ 8	26° 6	18°46	17° 9	23°45	3°59	20° 5	19°14	2° 9	16°R54	16°52	18°16	n.a.	S 14
S 15	5 19 32	20°24'59	28°23	27°15	20° 0	17°56	23°55	3°57	20° 3	19°12	2°10	16°54	16°49	18°22	n.a.	S 15
M16	5 23 29	21°26'09	12♋19	28°26	21°14	18°42	24° 5	3°54	20° 0	19°10	2°12	16°54	16°46	18°29	n.a.	M16
T 17	5 27 26	22°27'18	25°54	29°39	22°28	19°29	24°16	3°51	19°57	19° 9	2°14	16°53	16°43	18°36	n.a.	T 17
W18	5 31 22	23°28'26	9♌ 6	0♐53	23°42	20°16	24°26	3°48	19°55	19° 7	2°15	16°53	16°39	18°42	n.a.	W18
T 19	5 35 19	24°29'34	21°56	2° 9	24°56	21° 3	24°36	3°45	19°52	19° 5	2°17	16°52	16°36	18°49	n.a.	T 19
F 20	5 39 15	25°30'42	4♍26	3°27	26°10	21°49	24°47	3°42	19°50	19° 4	2°19	16°51	16°33	18°56	n.a.	F 20
S 21	5 43 12	26°31'49	16°39	4°46	27°24	22°36	24°58	3°38	19°47	19° 2	2°20	16°50	16°30	19° 3	n.a.	S 21
S 22	5 47 8	27°32'55	28°40	6° 6	28°38	23°23	25° 8	3°35	19°44	19° 0	2°22	16°D50	16°27	19° 9	n.a.	S 22
M23	5 51 5	28°34'01	10♎33	7°27	29°52	24°10	25°19	3°32	19°42	18°59	2°24	16°50	16°24	19°16	n.a.	M23
T 24	5 55 1	29°35'06	22°24	8°50	1♒ 6	24°57	25°30	3°28	19°39	18°57	2°25	16°51	16°20	19°23	n.a.	T 24
W25	5 58 58	0♉36'10	4♏16	10°13	2°20	25°44	25°41	3°24	19°37	18°55	2°27	16°52	16°17	19°29	n.a.	W25
T 26	6 2 55	1°37'14	16°15	11°37	3°33	26°31	25°52	3°21	19°34	18°54	2°28	16°54	16°14	19°36	n.a.	T 26
F 27	6 6 51	2°38'17	28°24	13° 2	4°47	27°18	26° 4	3°17	19°32	18°52	2°30	16°55	16°11	19°43	n.a.	F 27
S 28	6 10 48	3°39'19	10♐45	14°29	6° 0	28° 5	26°15	3°13	19°29	18°50	2°31	16°R56	16° 8	19°49	n.a.	S 28
S 29	6 14 44	4°40'20	23°22	15°56	7°14	28°52	26°26	3° 9	19°27	18°49	2°32	16°56	16° 4	19°56	n.a.	S 29
M30	6 18 41	5°41'20	6♉15	17°23	8°28	29°39	26°38	3° 5	19°24	18°47	2°34	16°55	16° 1	20° 3	n.a.	M30
T 31	6 22 37	6♉42'19	19♉24	18♐52	9♒41	0♉26	26♒50	3♌ 1	19♊22	18♊45	2♏35	16♊53	15♊58	20♎10	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s35	22s39	0n12	14s14	3n 1	25s18	1s37	22s23	0s38	15s40	1s20	20n30	1n10	23n38	0n14	22n21	0s58	0s 2	12n59	23n 4	23n 8	2s32		n.a.
M 2	21 46	24 39	0s58	14 18	2 58	25 17	1 38	22 31	0 39	15 37	1 20	20 31	1 10	23 37	0 14	22 21	0 58	0 2	12 59	23 4	23 8	2 35		n.a.
T 3	21 56	25 25	2 5	14 26	2 54	25 16	1 39	22 39	0 40	15 34	1 20	20 32	1 10	23 37	0 14	22 21	0 58	0 3	12 59	23 4	23 7	2 38		n.a.
W 4	22 5	24 49	3 7	14 37	2 49	25 13	1 40	22 47	0 40	15 31	1 20	20 32	1 10	23 37	0 14	22 21	0 58	0 3	12 59	23 4	23 7	2 41		n.a.
T 5	22 15	22 49	4 1	14 51	2 43	25 10	1 40	22 55	0 41	15 28	1 19	20 33	1 11	23 37	0 14	22 21	0 58	0 4	12 59	23 4	23 7	2 44		n.a.
F 6	22 24	19 33	4 42	15 7	2 36	25 6	1 41	23 2	0 41	15 25	1 19	20 33	1 11	23 37	0 14	22 20	0 58	0 4	13 0	23 4	23 7	2 47		n.a.
S 7	22 32	15 10	5 9	15 24	2 29	25 2	1 42	23 9	0 42	15 22	1 19	20 34	1 11	23 37	0 14	22 20	0 58	0 5	13 0	23 4	23 6	2 50		n.a.
S 8	22 40	9 56	5 17	15 44	2 22	24 56	1 43	23 16	0 42	15 19	1 19	20 35	1 11	23 36	0 14	22 20	0 58	0 5	13 0	23 4	23 6	2 53		n.a.
M 9	22 47	4 5	5 7	16 5	2 14	24 50	1 43	23 22	0 43	15 16	1 19	20 36	1 11	23 36	0 14	22 20	0 58	0 6	13 0	23 4	23 6	2 56		n.a.
T 10	22 54	2n 3	4 38	16 27	2 6	24 43	1 44	23 28	0 43	15 12	1 18	20 36	1 12	23 36	0 14	22 20	0 58	0 6	13 0	23 4	23 5	2 59		n.a.
W11	23 1	8 10	3 50	16 49	1 58	24 35	1 44	23 34	0 44	15 9	1 18	20 37	1 12	23 36	0 14	22 20	0 58	0 7	13 1	23 4	23 5	3 2		n.a.
T 12	23 7	13 53	2 48	17 13	1 49	24 27	1 44	23 40	0 44	15 6	1 18	20 38	1 12	23 36	0 14	22 20	0 58	0 7	13 1	23 4	23 5	3 5		n.a.
F 13	23 13	18 47	1 34	17 37	1 41	24 17	1 45	23 46	0 45	15 2	1 18	20 39	1 12	23 35	0 14	22 20	0 58	0 7	13 1	23 4	23 4	3 8		n.a.
S 14	23 18	22 31	0 15	18 1	1 32	24 7	1 45	23 51	0 45	14 59	1 18	20 39	1 12	23 35	0 14	22 19	0 58	0 8	13 1	23 4	23 4	3 11		n.a.
S 15	23 22	24 46	1n 3	18 25	1 24	23 57	1 45	23 56	0 46	14 55	1 18	20 40	1 13	23 35	0 14	22 19	0 58	0 8	13 2	23 4	23 4	3 14		n.a.
M16	23 27	25 25	2 16	18 50	1 15	23 45	1 45	24 0	0 46	14 52	1 17	20 41	1 13	23 35	0 14	22 19	0 58	0 8	13 2	23 4	23 3	3 17		n.a.
T 17	23 30	24 29	3 20	19 14	1 6	23 33	1 45	24 5	0 47	14 48	1 17	20 42	1 13	23 35	0 14	22 19	0 58	0 9	13 2	23 4	23 3	3 20		n.a.
W18	23 34	22 13	4 11	19 38	0 58	23 20	1 45	24 9	0 47	14 45	1 17	20 43	1 13	23 35	0 14	22 19	0 58	0 9	13 2	23 4	23 3	3 23		n.a.
T 19	23 36	18 53	4 48	20 2	0 49	23 7	1 45	24 13	0 48	14 41	1 17	20 44	1 13	23 34	0 14	22 19	0 58	0 9	13 3	23 4	23 2	3 26		n.a.
F 20	23 39	14 47	5 10	20 26	0 41	22 52	1 44	24 16	0 48	14 37	1 17	20 45	1 14	23 34	0 14	22 19	0 58	0 10	13 3	23 4	23 2	3 29		n.a.
S 21	23 41	10 11	5 17	20 49	0 32	22 38	1 44	24 20	0 49	14 33	1 17	20 46	1 14	23 34	0 14	22 19	0 58	0 10	13 3	23 4	23 2	3 32		n.a.
S 22	23 42	5 16	5 10	21 11	0 24	22 22	1 44	24 23	0 49	14 30	1 16	20 47	1 14	23 34	0 14	22 18	0 58	0 10	13 4	23 4	23 1	3 35		n.a.
M23	23 43	0 13	4 50	21 33	0 16	22 6	1 43	24 25	0 50	14 26	1 16	20 48	1 14	23 34	0 14	22 18	0 58	0 10	13 4	23 4	23 1	3 38		n.a.
T 24	23 43	4s50	4 18	21 54	0 8	21 49	1 42	24 28	0 50	14 22	1 16	20 49	1 14	23 33	0 15	22 18	0 57	0 11	13 4	23 4	23 1	3 41		n.a.
W25	23 43	9 44	3 35	22 14	0 0	21 32	1 42	24 30	0 51	14 18	1 16	20 50	1 14	23 33	0 15	22 18	0 57	0 11	13 4	23 4	23 0	3 44		n.a.
T 26	23 43	14 19	2 42	22 34	0s 7	21 14	1 41	24 32	0 51	14 14	1 16	20 51	1 15	23 33	0 15	22 18	0 57	0 11	13 5	23 4	23 0	3 47		n.a.
F 27	23 42	18 24	1 41	22 53	0 15	20 55	1 40	24 33	0 52	14 10	1 16	20 52	1 15	23 33	0 15	22 18	0 57	0 11	13 5	23 4	23 0	3 50		n.a.
S 28	23 40	21 46	0 34	23 11	0 22	20 36	1 39	24 35	0 52	14 6	1 15	20 53	1 15	23 33	0 15	22 18	0 57	0 11	13 5	23 4	22 59	3 53		n.a.
S 29	23 38	24 9	0s35	23 27	0 29	20 16	1 38	24 36	0 52	14 2	1 15	20 54	1 15	23 32	0 15	22 18	0 57	0 12	13 6	23 4	22 59	3 56		n.a.
M30	23 36	25 19	1 45	23 43	0 36	19 55	1 37	24 36	0 53	13 58	1 15	20 55	1 15	23 32	0 15	22 17	0 57	0 12	13 6	23 4	22 59	3 59		n.a.
T 31	23s33	25s 6	2s50	23s58	0s43	19s35	1s36	24s37	0s53	13s53	1s15	20n56	1n15	23n32	0n15	22n17	0s57	0s12	13n 6	23n 4	22n58	4s 2		n.a.

Julian Day Number = 1636654.5, Delta T = 03h38m47s
Ecliptic obliquity = 23°43'26, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'25, Lahiri = - 7°09'25 Julian Calendar 1 Dec. 233 BCE == Greg. Calendar 27 Nov. 233 BCE

The year -232 astronomical counting style corresponds to year 233 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

JANUARY 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 26 34	7♉43'16	2♒47	20♐21	10♒54	1♉13	27♒ 1	2°R57	19°R19	18°R44	2♏36	16°R50	15♊55	20♎16	n.a.	W 1
T 2	6 30 31	8°44'13	16°25	21°52	12° 8	2° 0	27°13	2♌53	19♊17	18♊42	2°38	16♊47	15°52	20°23	n.a.	T 2
F 3	6 34 27	9°45'07	0♓13	23°22	13°21	2°47	27°25	2°49	19°14	18°41	2°39	16°43	15°49	20°30	n.a.	F 3
S 4	6 38 24	10°46'01	14°10	24°54	14°34	3°34	27°37	2°45	19°12	18°39	2°40	16°41	15°45	20°36	n.a.	S 4
S 5	6 42 20	11°46'52	28°14	26°27	15°48	4°21	27°49	2°40	19°10	18°38	2°41	16°39	15°42	20°43	n.a.	S 5
M 6	6 46 17	12°47'42	12♈22	28° 0	17° 1	5° 8	28° 2	2°36	19° 7	18°36	2°42	16°D38	15°39	20°50	n.a.	M 6
T 7	6 50 13	13°48'30	26°32	29°34	18°14	5°56	28°14	2°32	19° 5	18°35	2°43	16°39	15°36	20°56	n.a.	T 7
W 8	6 54 10	14°49'17	10♉43	1♉ 8	19°27	6°43	28°26	2°27	19° 3	18°33	2°45	16°40	15°33	21° 3	n.a.	W 8
T 9	6 58 6	15°50'02	24°53	2°44	20°40	7°30	28°39	2°23	19° 1	18°32	2°46	16°42	15°30	21°10	n.a.	T 9
F 10	7 2 3	16°50'45	8♊59	4°20	21°52	8°17	28°51	2°18	18°58	18°30	2°47	16°43	15°26	21°17	n.a.	F 10
S 11	7 6 0	17°51'27	22°59	5°57	23° 5	9° 4	29° 4	2°14	18°56	18°29	2°48	16°R43	15°23	21°23	n.a.	S 11
S 12	7 9 56	18°52'07	6♋49	7°35	24°18	9°51	29°16	2° 9	18°54	18°27	2°48	16°41	15°20	21°30	n.a.	S 12
M13	7 13 53	19°52'45	20°26	9°14	25°31	10°39	29°29	2° 4	18°52	18°26	2°49	16°38	15°17	21°37	n.a.	M13
T 14	7 17 49	20°53'22	3♌48	10°54	26°43	11°26	29°42	2° 0	18°50	18°24	2°50	16°33	15°14	21°43	n.a.	T 14
W15	7 21 46	21°53'57	16°53	12°34	27°56	12°13	29°55	1°55	18°48	18°23	2°51	16°27	15°10	21°50	n.a.	W15
T 16	7 25 42	22°54'30	29°40	14°15	29° 8	13° 0	0♓ 8	1°50	18°46	18°22	2°52	16°21	15° 7	21°57	n.a.	T 16
F 17	7 29 39	23°55'03	12♍10	15°58	0♓20	13°47	0°21	1°45	18°44	18°20	2°53	16°14	15° 4	22° 3	n.a.	F 17
S 18	7 33 35	24°55'33	24°25	17°41	1°32	14°35	0°34	1°41	18°42	18°19	2°53	16° 9	15° 1	22°10	n.a.	S 18
S 19	7 37 32	25°56'02	6♎27	19°25	2°45	15°22	0°47	1°36	18°40	18°18	2°54	16° 5	14°58	22°17	n.a.	S 19
M20	7 41 29	26°56'30	18°21	21°10	3°57	16° 9	1° 0	1°31	18°38	18°17	2°55	16° 3	14°55	22°24	n.a.	M20
T 21	7 45 25	27°56'56	0♏12	22°56	5° 9	16°56	1°13	1°26	18°36	18°15	2°55	16°D 2	14°51	22°30	n.a.	T 21
W22	7 49 22	28°57'21	12° 4	24°43	6°21	17°44	1°26	1°21	18°34	18°14	2°56	16° 3	14°48	22°37	n.a.	W22
T 23	7 53 18	29°57'44	24° 3	26°30	7°32	18°31	1°40	1°17	18°32	18°13	2°57	16° 5	14°45	22°44	n.a.	T 23
F 24	7 57 15	0♒58'06	6♐14	28°19	8°44	19°18	1°53	1°12	18°31	18°12	2°57	16° 6	14°42	22°50	n.a.	F 24
S 25	8 1 11	1°58'26	18°40	0♒ 9	9°56	20° 5	2° 7	1° 7	18°29	18°11	2°58	16°R 7	14°39	22°57	n.a.	S 25
S 26	8 5 8	2°58'44	1♉26	2° 0	11° 7	20°53	2°20	1° 2	18°27	18° 9	2°58	16° 5	14°36	23° 4	n.a.	S 26
M27	8 9 4	3°59'01	14°34	3°51	12°19	21°40	2°34	0°57	18°26	18° 8	2°59	16° 2	14°32	23°10	n.a.	M27
T 28	8 13 1	4°59'16	28° 3	5°44	13°30	22°27	2°47	0°53	18°24	18° 7	2°59	15°56	14°29	23°17	n.a.	T 28
W29	8 16 58	5°59'29	11♒53	7°37	14°41	23°14	3° 1	0°48	18°23	18° 6	2°59	15°49	14°26	23°24	n.a.	W29
T 30	8 20 54	6°59'40	25°59	9°31	15°52	24° 2	3°15	0°43	18°21	18° 5	3° 0	15°40	14°23	23°30	n.a.	T 30
F 31	8 24 51	7♒59'49	10♓16	11♒26	17♓ 3	24♉49	3♓29	0♌38	18♊20	18♊ 4	3♏ 0	15♊32	14♊20	23♎37	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23 s30	23 s26	3 s46	24 s12	0 s50	19 s13	1 s35	24 s37	0 s54	13 s49	1 s15	20n57	1n16	23n32	0n15	22n17	0 s57	0 s12	13n 7	23n 4	22n58	4 s 5		n.a.
T 2	23 26	20 25	4 31	24 24	0 56	18 51	1 33	24 37	0 54	13 45	1 15	20 58	1 16	23 32	0 15	22 17	0 57	0 12	13 7	23 3	22 58	4 8		n.a.
F 3	23 22	16 13	5 1	24 35	1 2	18 29	1 32	24 36	0 55	13 41	1 15	21 0	1 16	23 31	0 15	22 17	0 57	0 12	13 7	23 3	22 57	4 11		n.a.
S 4	23 17	11 7	5 14	24 45	1 8	18 6	1 30	24 35	0 55	13 36	1 14	21 1	1 16	23 31	0 15	22 17	0 57	0 12	13 8	23 3	22 57	4 14		n.a.
S 5	23 12	5 24	5 8	24 54	1 14	17 42	1 29	24 34	0 55	13 32	1 14	21 2	1 16	23 31	0 15	22 17	0 57	0 12	13 8	23 3	22 57	4 17		n.a.
M 6	23 6	0n36	4 43	25 1	1 19	17 18	1 27	24 33	0 56	13 28	1 14	21 3	1 16	23 31	0 15	22 17	0 57	0 12	13 8	23 3	22 56	4 20		n.a.
T 7	23 0	6 37	4 1	25 7	1 24	16 54	1 26	24 31	0 56	13 23	1 14	21 4	1 17	23 31	0 15	22 17	0 57	0 12	13 9	23 3	22 56	4 23		n.a.
W 8	22 53	12 18	3 5	25 12	1 29	16 29	1 24	24 30	0 57	13 19	1 14	21 5	1 17	23 30	0 15	22 16	0 57	0 12	13 9	23 3	22 56	4 26		n.a.
T 9	22 46	17 20	1 57	25 15	1 33	16 4	1 22	24 27	0 57	13 14	1 14	21 7	1 17	23 30	0 15	22 16	0 57	0 13	13 9	23 3	22 55	4 29		n.a.
F 10	22 39	21 22	0 42	25 17	1 38	15 38	1 20	24 25	0 57	13 10	1 14	21 8	1 17	23 30	0 15	22 16	0 57	0 13	13 10	23 3	22 55	4 32		n.a.
S 11	22 31	24 6	0n34	25 17	1 42	15 12	1 18	24 22	0 58	13 5	1 14	21 9	1 17	23 30	0 15	22 16	0 57	0 12	13 10	23 3	22 55	4 35		n.a.
S 12	22 23	25 20	1 48	25 15	1 45	14 46	1 16	24 19	0 58	13 1	1 14	21 10	1 17	23 30	0 15	22 16	0 57	0 12	13 10	23 3	22 54	4 38		n.a.
M13	22 14	25 1	2 54	25 12	1 49	14 19	1 13	24 16	0 58	12 56	1 13	21 11	1 17	23 30	0 15	22 16	0 57	0 12	13 11	23 3	22 54	4 41		n.a.
T 14	22 5	23 14	3 49	25 8	1 52	13 52	1 11	24 12	0 59	12 51	1 13	21 13	1 17	23 29	0 15	22 16	0 57	0 12	13 11	23 2	22 54	4 44		n.a.
W15	21 55	20 15	4 30	25 1	1 54	13 25	1 9	24 8	0 59	12 47	1 13	21 14	1 18	23 29	0 15	22 16	0 57	0 12	13 11	23 2	22 53	4 47		n.a.
T 16	21 45	16 21	4 58	24 53	1 57	12 57	1 6	24 4	0 59	12 42	1 13	21 15	1 18	23 29	0 15	22 16	0 57	0 12	13 12	23 1	22 53	4 50		n.a.
F 17	21 35	11 50	5 10	24 43	1 59	12 29	1 4	23 59	1 0	12 37	1 13	21 16	1 18	23 29	0 15	22 16	0 57	0 12	13 12	23 0	22 53	4 53		n.a.
S 18	21 24	6 56	5 7	24 31	2 0	12 0	1 1	23 55	1 0	12 32	1 13	21 17	1 18	23 29	0 15	22 16	0 57	0 12	13 13	23 0	22 52	4 56		n.a.
S 19	21 13	1 51	4 51	24 18	2 1	11 32	0 58	23 50	1 0	12 28	1 13	21 18	1 18	23 29	0 15	22 15	0 57	0 12	13 13	22 59	22 52	4 59		n.a.
M20	21 1	3 s14	4 23	24 3	2 2	11 3	0 56	23 44	1 1	12 23	1 13	21 20	1 18	23 28	0 15	22 15	0 57	0 12	13 13	22 59	22 52	5 2		n.a.
T 21	20 49	8 12	3 43	23 45	2 2	10 33	0 53	23 39	1 1	12 18	1 13	21 21	1 18	23 28	0 15	22 15	0 57	0 12	13 14	22 59	22 51	5 5		n.a.
W22	20 37	12 53	2 54	23 26	2 2	10 4	0 50	23 33	1 1	12 13	1 13	21 22	1 18	23 28	0 15	22 15	0 57	0 11	13 14	22 59	22 51	5 8		n.a.
T 23	20 24	17 7	1 57	23 5	2 1	9 34	0 47	23 27	1 2	12 8	1 12	21 23	1 18	23 28	0 15	22 15	0 57	0 11	13 14	22 59	22 50	5 11		n.a.
F 24	20 11	20 44	0 53	22 42	2 0	9 4	0 44	23 20	1 2	12 3	1 12	21 24	1 19	23 28	0 15	22 15	0 57	0 11	13 15	22 59	22 50	5 14		n.a.
S 25	19 57	23 28	0 s14	22 18	1 59	8 34	0 41	23 14	1 2	11 58	1 12	21 26	1 19	23 28	0 15	22 15	0 57	0 11	13 15	22 59	22 50	5 17		n.a.
S 26	19 43	25 5	1 22	21 51	1 57	8 4	0 38	23 7	1 2	11 53	1 12	21 27	1 19	23 28	0 15	22 15	0 57	0 11	13 16	22 59	22 49	5 20		n.a.
M27	19 29	25 21	2 27	21 22	1 54	7 33	0 35	22 59	1 3	11 48	1 12	21 28	1 19	23 27	0 15	22 15	0 57	0 11	13 16	22 59	22 49	5 23		n.a.
T 28	19 15	24 10	3 26	20 51	1 51	7 3	0 31	22 52	1 3	11 43	1 12	21 29	1 19	23 27	0 15	22 15	0 57	0 10	13 16	22 58	22 49	5 26		n.a.
W29	19 0	21 30	4 14	20 18	1 47	6 32	0 28	22 44	1 3	11 38	1 12	21 30	1 19	23 27	0 15	22 15	0 57	0 10	13 17	22 58	22 48	5 29		n.a.
T 30	18 45	17 31	4 48	19 44	1 43	6 1	0 25	22 36	1 4	11 33	1 12	21 31	1 19	23 27	0 15	22 15	0 56	0 10	13 17	22 57	22 48	5 32		n.a.
F 31	18 s29	12 s30	5 s 5	19 s 7	1 s38	5 s30	0 s21	22 s28	1 s 4	11 s28	1 s12	21n32	1n19	23n27	0n15	22n15	0 s56	0 s10	13n17	22n56	22n47	5 s35		n.a.

Julian Day Number = 1636685.5, Delta T = 03h38m46s
Ecliptic obliquity = 23°43'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'21, Lahiri = - 7°09'21 Julian Calendar 1 Jan. 232 BCE == Greg. Calendar 28 Dec. 233 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

FEBRUARY 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 28 47	8♒59'56	24♓39	13♒21	18♓14	25♉36	3♓42	0°R33	18°R18	18°R 3	3♏ 0	15°R24	14♊16	23♎44	n.a.	S 1
S 2	8 32 44	10° 0'00	9♈ 2	15°17	19°25	26°23	3°56	0♌29	18♊17	18♊ 2	3° 0	15♊18	14°13	23°51	n.a.	S 2
M 3	8 36 40	11° 0'03	23°21	17°13	20°36	27°10	4°10	0°24	18°16	18° 2	3° 1	15°14	14°10	23°57	n.a.	M 3
T 4	8 40 37	12° 0'03	7♉33	19°10	21°46	27°58	4°24	0°19	18°14	18° 1	3° 1	15°D13	14° 7	24° 4	n.a.	T 4
W 5	8 44 33	13° 0'00	21°36	21° 6	22°57	28°45	4°38	0°15	18°13	18° 0	3° 1	15°13	14° 4	24°11	n.a.	W 5
T 6	8 48 30	13°59'56	5♊29	23° 2	24° 7	29°32	4°52	0°10	18°12	17°59	3° 1	15°14	14° 1	24°17	n.a.	T 6
F 7	8 52 27	14°59'49	19°12	24°58	25°17	0♒19	5° 6	0° 5	18°11	17°58	3° 1	15°R14	13°57	24°24	n.a.	F 7
S 8	8 56 23	15°59'40	2♋45	26°53	26°27	1° 6	5°20	0° 1	18°10	17°57	3°R 1	15°13	13°54	24°31	n.a.	S 8
S 9	9 0 20	16°59'29	16° 9	28°47	27°37	1°53	5°34	29♋56	18° 9	17°57	3° 1	15° 9	13°51	24°37	n.a.	S 9
M10	9 4 16	17°59'15	29°22	0♓39	28°47	2°40	5°48	29°52	18° 8	17°56	3° 1	15° 2	13°48	24°44	n.a.	M10
T 11	9 8 13	18°58'59	12♌24	2°30	29°57	3°27	6° 2	29°47	18° 7	17°55	3° 1	14°53	13°45	24°51	n.a.	T 11
W12	9 12 9	19°58'41	25°13	4°18	1♈ 6	4°15	6°16	29°43	18° 6	17°55	3° 1	14°42	13°42	24°57	n.a.	W12
T 13	9 16 6	20°58'21	7♍49	6° 3	2°15	5° 2	6°31	29°39	18° 5	17°54	3° 0	14°30	13°38	25° 4	n.a.	T 13
F 14	9 20 2	21°57'59	20°12	7°45	3°25	5°49	6°45	29°34	18° 5	17°54	3° 0	14°18	13°35	25°11	n.a.	F 14
S 15	9 23 59	22°57'34	2♎22	9°23	4°34	6°36	6°59	29°30	18° 4	17°53	3° 0	14° 7	13°32	25°18	n.a.	S 15
S 16	9 27 55	23°57'08	14°23	10°57	5°43	7°23	7°13	29°26	18° 3	17°53	3° 0	13°58	13°29	25°24	n.a.	S 16
M17	9 31 52	24°56'40	26°16	12°26	6°51	8°10	7°28	29°22	18° 3	17°52	2°59	13°52	13°26	25°31	n.a.	M17
T 18	9 35 49	25°56'10	8♏ 5	13°50	8° 0	8°57	7°42	29°18	18° 2	17°52	2°59	13°48	13°22	25°38	n.a.	T 18
W19	9 39 45	26°55'38	19°56	15° 8	9° 8	9°44	7°56	29°14	18° 2	17°51	2°59	13°46	13°19	25°44	n.a.	W19
T 20	9 43 42	27°55'04	1♐53	16°21	10°16	10°31	8°10	29°10	18° 1	17°51	2°58	13°D46	13°16	25°51	n.a.	T 20
F 21	9 47 38	28°54'29	14° 2	17°27	11°24	11°17	8°25	29° 6	18° 1	17°51	2°58	13°R46	13°13	25°58	n.a.	F 21
S 22	9 51 35	29°53'51	26°29	18°26	12°32	12° 4	8°39	29° 2	18° 0	17°50	2°57	13°46	13°10	26° 4	n.a.	S 22
S 23	9 55 31	0♓53'12	9♑17	19°19	13°40	12°51	8°54	28°58	18° 0	17°50	2°57	13°43	13° 7	26°11	n.a.	S 23
M24	9 59 28	1°52'31	22°30	20° 5	14°48	13°38	9° 8	28°55	18° 0	17°50	2°56	13°38	13° 3	26°18	n.a.	M24
T 25	10 3 24	2°51'48	6♒11	20°43	15°55	14°25	9°22	28°51	18° 0	17°50	2°56	13°31	13° 0	26°24	n.a.	T 25
W26	10 7 21	3°51'03	20°17	21°14	17° 2	15°12	9°37	28°48	18° 0	17°49	2°55	13°21	12°57	26°31	n.a.	W26
T 27	10 11 18	4°50'15	4♓45	21°37	18° 9	15°59	9°51	28°44	18° 0	17°49	2°55	13°10	12°54	26°38	n.a.	T 27
F 28	10 15 14	5♓49'26	19♓28	21♓53	19♈16	16♒45	10♓ 6	28♋41	18°D 0	17♊49	2♏54	12♊58	12♊51	26♎44	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s13	6s45	5s 2	18s29	1s32	4s59	0s18	22s19	1s 4	11s23	1s12	21n34	1n19	23n27	0n15	22n15	0s56	0s 9	13n18	22n55	22n47	5s38		n.a.
S 2	17 57	0 40	4 40	17 49	1 26	4 27	0 14	22 11	1 4	11 18	1 12	21 35	1 19	23 27	0 15	22 15	0 56	0 9	13 18	22 54	22 47	5 41		n.a.
M 3	17 41	5n27	4 1	17 7	1 19	3 56	0 11	22 2	1 4	11 12	1 12	21 36	1 19	23 26	0 15	22 15	0 56	0 9	13 19	22 54	22 46	5 44		n.a.
T 4	17 24	11 14	3 8	16 23	1 12	3 24	0 7	21 52	1 5	11 7	1 12	21 37	1 19	23 26	0 15	22 14	0 56	0 8	13 19	22 54	22 46	5 47		n.a.
W 5	17 7	16 24	2 3	15 38	1 4	2 53	0 3	21 43	1 5	11 2	1 12	21 38	1 20	23 26	0 15	22 14	0 56	0 8	13 19	22 54	22 46	5 50		n.a.
T 6	16 49	20 37	0 52	14 52	0 55	2 21	0n 1	21 33	1 5	10 57	1 11	21 39	1 20	23 26	0 15	22 14	0 56	0 8	13 20	22 54	22 45	5 53		n.a.
F 7	16 32	23 38	0n21	14 4	0 46	1 50	0 4	21 23	1 5	10 52	1 11	21 40	1 20	23 26	0 15	22 14	0 56	0 7	13 20	22 54	22 45	5 55		n.a.
S 8	16 14	25 14	1 32	13 15	0 36	1 18	0 8	21 13	1 5	10 46	1 11	21 41	1 20	23 26	0 15	22 14	0 56	0 7	13 20	22 54	22 44	5 58		n.a.
S 9	15 56	25 20	2 37	12 26	0 25	0 46	0 12	21 2	1 6	10 41	1 11	21 42	1 20	23 26	0 15	22 14	0 56	0 7	13 21	22 53	22 44	6 1		n.a.
M10	15 37	23 59	3 32	11 35	0 14	0 15	0 16	20 52	1 6	10 36	1 11	21 43	1 20	23 26	0 15	22 14	0 56	0 6	13 21	22 52	22 44	6 4		n.a.
T 11	15 19	21 22	4 16	10 45	0 2	0n17	0 20	20 41	1 6	10 30	1 11	21 44	1 20	23 26	0 15	22 14	0 56	0 6	13 22	22 51	22 43	6 7		n.a.
W12	15 0	17 44	4 45	9 54	0n10	0 49	0 24	20 30	1 6	10 25	1 11	21 45	1 20	23 26	0 15	22 14	0 56	0 6	13 22	22 50	22 43	6 10		n.a.
T 13	14 41	13 22	5 0	9 3	0 22	1 20	0 28	20 18	1 6	10 20	1 11	21 46	1 20	23 26	0 15	22 14	0 56	0 5	13 22	22 49	22 43	6 13		n.a.
F 14	14 21	8 31	5 1	8 13	0 35	1 52	0 32	20 7	1 6	10 14	1 11	21 47	1 20	23 25	0 15	22 14	0 56	0 5	13 23	22 47	22 42	6 16		n.a.
S 15	14 2	3 26	4 47	7 24	0 48	2 23	0 36	19 55	1 7	10 9	1 11	21 48	1 20	23 25	0 15	22 14	0 56	0 4	13 23	22 46	22 42	6 19		n.a.
S 16	13 42	1s44	4 21	6 36	1 1	2 55	0 40	19 43	1 7	10 4	1 11	21 49	1 20	23 25	0 15	22 14	0 56	0 4	13 23	22 45	22 41	6 22		n.a.
M17	13 22	6 47	3 44	5 50	1 15	3 26	0 45	19 31	1 7	9 58	1 11	21 50	1 20	23 25	0 15	22 14	0 56	0 3	13 24	22 44	22 41	6 25		n.a.
T 18	13 1	11 34	2 57	5 5	1 28	3 57	0 49	19 19	1 7	9 53	1 11	21 51	1 20	23 25	0 15	22 14	0 56	0 3	13 24	22 44	22 41	6 28		n.a.
W19	12 41	15 58	2 3	4 22	1 41	4 28	0 53	19 6	1 7	9 47	1 11	21 52	1 20	23 25	0 15	22 14	0 56	0 3	13 24	22 43	22 40	6 31		n.a.
T 20	12 20	19 46	1 3	3 42	1 54	4 59	0 57	18 53	1 7	9 42	1 11	21 52	1 20	23 25	0 15	22 14	0 56	0 2	13 25	22 43	22 40	6 34		n.a.
F 21	12 0	22 47	0s 1	3 4	2 7	5 30	1 2	18 40	1 7	9 36	1 11	21 53	1 20	23 25	0 15	22 14	0 56	0 2	13 25	22 43	22 39	6 37		n.a.
S 22	11 38	24 47	1 7	2 30	2 19	6 1	1 6	18 27	1 7	9 31	1 11	21 54	1 20	23 25	0 15	22 14	0 56	0 1	13 25	22 43	22 39	6 40		n.a.
S 23	11 17	25 34	2 11	1 58	2 31	6 32	1 10	18 14	1 8	9 25	1 11	21 55	1 20	23 25	0 15	22 14	0 56	0 1	13 26	22 43	22 39	6 43		n.a.
M24	10 56	24 56	3 10	1 30	2 42	7 2	1 14	18 0	1 8	9 20	1 11	21 56	1 20	23 25	0 15	22 14	0 55	0 0	13 26	22 43	22 38	6 46		n.a.
T 25	10 34	22 49	4 0	1 6	2 52	7 32	1 19	17 47	1 8	9 14	1 11	21 56	1 20	23 25	0 15	22 14	0 55	0n 0	13 26	22 42	22 38	6 49		n.a.
W26	10 13	19 16	4 37	0 45	3 1	8 3	1 23	17 33	1 8	9 9	1 11	21 57	1 20	23 25	0 15	22 14	0 55	0 1	13 27	22 40	22 37	6 52		n.a.
T 27	9 51	14 29	4 57	0 28	3 9	8 33	1 27	17 19	1 8	9 3	1 11	21 58	1 20	23 25	0 15	22 14	0 55	0 1	13 27	22 39	22 37	6 55		n.a.
F 28	9s29	8s47	4s59	0s15	3n16	9n 2	1n32	17s 5	1s 8	8s58	1s11	21n59	1n20	23n25	0n15	22n14	0s55	0n 2	13n27	22n37	22n37	6s58		n.a.

Julian Day Number = 1636716.5, Delta T = 03h38m45s
Ecliptic obliquity = 23°43'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'17, Lahiri = - 7°09'17 Julian Calendar 1 Feb. 232 BCE == Greg. Calendar 28 Jan. 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

MARCH 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 19 11	6♓48'34	4♈18	22♓ 2	20♈22	17♒32	10♓20	28°R38	18♊ 0	17°R49	2°R53	12°R47	12♊47	26♎51	n.a.	S 1
S 2	10 23 7	7°47'40	19° 6	22°R 3	21°29	18°19	10°34	28♋34	18° 0	17♊49	2♏52	12♊39	12°44	26°58	n.a.	S 2
M 3	10 27 4	8°46'43	3♉45	21°57	22°35	19° 5	10°49	28°31	18° 0	17°D49	2°52	12°33	12°41	27° 5	n.a.	M 3
T 4	10 31 0	9°45'45	18°10	21°45	23°41	19°52	11° 3	28°28	18° 0	17°49	2°51	12°30	12°38	27°11	n.a.	T 4
W 5	10 34 57	10°44'43	2♊18	21°26	24°46	20°39	11°18	28°25	18° 0	17°49	2°50	12°29	12°35	27°18	n.a.	W 5
T 6	10 38 53	11°43'40	16° 9	21° 1	25°52	21°25	11°32	28°22	18° 1	17°49	2°49	12°29	12°32	27°25	n.a.	T 6
F 7	10 42 50	12°42'34	29°42	20°31	26°57	22°12	11°47	28°20	18° 1	17°49	2°48	12°29	12°28	27°31	n.a.	F 7
S 8	10 46 47	13°41'26	13♋ 0	19°56	28° 2	22°58	12° 1	28°17	18° 1	17°50	2°47	12°26	12°25	27°38	n.a.	S 8
S 9	10 50 43	14°40'15	26° 5	19°18	29° 6	23°45	12°15	28°14	18° 2	17°50	2°47	12°22	12°22	27°45	n.a.	S 9
M10	10 54 40	15°39'02	8♌57	18°36	0♉11	24°31	12°30	28°12	18° 2	17°50	2°46	12°14	12°19	27°51	n.a.	M10
T 11	10 58 36	16°37'46	21°39	17°52	1°15	25°18	12°44	28°10	18° 3	17°50	2°45	12° 4	12°16	27°58	n.a.	T 11
W12	11 2 33	17°36'29	4♍10	17° 7	2°19	26° 4	12°59	28° 7	18° 4	17°51	2°44	11°51	12°13	28° 5	n.a.	W12
T 13	11 6 29	18°35'09	16°31	16°22	3°22	26°50	13°13	28° 5	18° 4	17°51	2°43	11°38	12° 9	28°11	n.a.	T 13
F 14	11 10 26	19°33'47	28°43	15°36	4°25	27°37	13°27	28° 3	18° 5	17°51	2°42	11°24	12° 6	28°18	n.a.	F 14
S 15	11 14 22	20°32'23	10♎46	14°52	5°28	28°23	13°42	28° 1	18° 6	17°52	2°40	11°12	12° 3	28°25	n.a.	S 15
S 16	11 18 19	21°30'57	22°41	14°10	6°31	29° 9	13°56	27°59	18° 7	17°52	2°39	11° 1	12° 0	28°31	n.a.	S 16
M17	11 22 15	22°29'30	4♏32	13°31	7°33	29°55	14°11	27°57	18° 7	17°53	2°38	10°53	11°57	28°38	n.a.	M17
T 18	11 26 12	23°28'00	16°20	12°54	8°35	0♓41	14°25	27°55	18° 8	17°53	2°37	10°49	11°53	28°45	n.a.	T 18
W19	11 30 9	24°26'29	28°10	12°22	9°37	1°28	14°39	27°54	18° 9	17°54	2°36	10°46	11°50	28°51	n.a.	W19
T 20	11 34 5	25°24'56	10♐ 6	11°54	10°38	2°14	14°54	27°52	18°10	17°54	2°35	10°D46	11°47	28°58	n.a.	T 20
F 21	11 38 2	26°23'21	22°14	11°30	11°39	3° 0	15° 8	27°51	18°12	17°55	2°33	10°R46	11°44	29° 5	n.a.	F 21
S 22	11 41 58	27°21'45	4♑38	11°11	12°40	3°46	15°22	27°50	18°13	17°55	2°32	10°46	11°41	29°12	n.a.	S 22
S 23	11 45 55	28°20'07	17°24	10°57	13°40	4°32	15°36	27°48	18°14	17°56	2°31	10°44	11°38	29°18	n.a.	S 23
M24	11 49 51	29°18'27	0♒35	10°48	14°40	5°18	15°51	27°47	18°15	17°57	2°30	10°41	11°34	29°25	n.a.	M24
T 25	11 53 48	0♈16'46	14°16	10°D44	15°39	6° 4	16° 5	27°46	18°16	17°57	2°28	10°34	11°31	29°32	n.a.	T 25
W26	11 57 44	1°15'02	28°26	10°45	16°38	6°49	16°19	27°45	18°18	17°58	2°27	10°26	11°28	29°38	n.a.	W26
T 27	12 1 41	2°13'18	13♓ 2	10°50	17°37	7°35	16°33	27°45	18°19	17°59	2°26	10°16	11°25	29°45	n.a.	T 27
F 28	12 5 38	3°11'31	27°58	11° 1	18°35	8°21	16°47	27°44	18°21	18° 0	2°24	10° 6	11°22	29°52	n.a.	F 28
S 29	12 9 34	4° 9'42	13♈ 5	11°17	19°32	9° 7	17° 1	27°43	18°22	18° 1	2°23	9°57	11°18	29°58	n.a.	S 29
S 30	12 13 31	5° 7'52	28°13	11°37	20°30	9°52	17°15	27°43	18°24	18° 2	2°21	9°50	11°15	0♏ 5	n.a.	S 30
M31	12 17 27	6♈ 6'00	13♉13	12♓ 1	21♉26	10♓38	17♓29	27♋42	18♊25	18♊ 2	2♏20	9♊45	11♊12	0♏12	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s 7	2s33	4s40	0s 6	3n22	9n32	1n36	16s50	1s 8	8s52	1s11	21n59	1n20	23n25	0n15	22n14	0s55	0n 2	13n28	22n36	22n36	7s 1		n.a.
S 2	8 45	3n50	4 2	0 2	3 27	10 1	1 40	16 36	1 8	8 47	1 11	22 0	1 20	23 25	0 15	22 15	0 55	0 3	13 28	22 35	22 36	7 4		n.a.
M 3	8 22	9 57	3 9	0 1	3 30	10 30	1 45	16 21	1 8	8 41	1 11	22 1	1 20	23 25	0 15	22 15	0 55	0 3	13 28	22 34	22 35	7 7		n.a.
T 4	8 0	15 27	2 5	0 5	3 32	10 59	1 49	16 6	1 8	8 36	1 11	22 1	1 20	23 25	0 15	22 15	0 55	0 4	13 29	22 34	22 35	7 10		n.a.
W 5	7 37	20 0	0 54	0 12	3 32	11 27	1 53	15 51	1 8	8 30	1 11	22 2	1 20	23 25	0 15	22 15	0 55	0 4	13 29	22 34	22 34	7 13		n.a.
T 6	7 15	23 19	0n19	0 23	3 30	11 56	1 57	15 36	1 8	8 25	1 11	22 2	1 20	23 25	0 15	22 15	0 55	0 5	13 29	22 34	22 34	7 16		n.a.
F 7	6 52	25 13	1 30	0 38	3 27	12 24	2 2	15 21	1 8	8 19	1 11	22 3	1 20	23 25	0 15	22 15	0 55	0 6	13 30	22 34	22 34	7 19		n.a.
S 8	6 29	25 38	2 34	0 56	3 22	12 51	2 6	15 5	1 8	8 13	1 11	22 3	1 20	23 25	0 15	22 15	0 55	0 6	13 30	22 33	22 33	7 22		n.a.
S 9	6 6	24 36	3 28	1 18	3 16	13 19	2 10	14 50	1 8	8 8	1 11	22 4	1 20	23 25	0 15	22 15	0 55	0 7	13 30	22 33	22 33	7 25		n.a.
M10	5 43	22 16	4 11	1 41	3 7	13 46	2 14	14 34	1 8	8 2	1 11	22 4	1 20	23 25	0 15	22 15	0 55	0 7	13 30	22 32	22 32	7 28		n.a.
T 11	5 20	18 53	4 41	2 7	2 58	14 12	2 18	14 18	1 8	7 57	1 11	22 5	1 20	23 25	0 15	22 15	0 55	0 8	13 31	22 30	22 32	7 31		n.a.
W12	4 57	14 42	4 57	2 35	2 47	14 39	2 23	14 2	1 8	7 51	1 11	22 5	1 20	23 25	0 15	22 15	0 55	0 8	13 31	22 29	22 32	7 34		n.a.
T 13	4 34	9 57	4 59	3 4	2 35	15 5	2 27	13 46	1 8	7 46	1 11	22 6	1 20	23 25	0 15	22 15	0 55	0 9	13 31	22 27	22 31	7 37		n.a.
F 14	4 11	4 53	4 47	3 34	2 21	15 30	2 31	13 30	1 8	7 40	1 11	22 6	1 20	23 25	0 15	22 15	0 55	0 10	13 31	22 25	22 31	7 40		n.a.
S 15	3 47	0s18	4 22	4 5	2 7	15 56	2 35	13 14	1 8	7 34	1 11	22 7	1 20	23 25	0 15	22 15	0 55	0 10	13 32	22 23	22 30	7 43		n.a.
S 16	3 24	5 27	3 45	4 35	1 52	16 21	2 39	12 58	1 8	7 29	1 11	22 7	1 20	23 26	0 15	22 15	0 55	0 11	13 32	22 22	22 30	7 46		n.a.
M17	3 1	10 22	2 59	5 5	1 36	16 45	2 43	12 41	1 8	7 23	1 11	22 7	1 20	23 26	0 15	22 15	0 55	0 11	13 32	22 21	22 29	7 49		n.a.
T 18	2 37	14 55	2 6	5 33	1 20	17 9	2 47	12 24	1 7	7 18	1 11	22 8	1 20	23 26	0 15	22 16	0 55	0 12	13 32	22 20	22 29	7 52		n.a.
W19	2 14	18 55	1 6	6 1	1 4	17 33	2 50	12 8	1 7	7 12	1 11	22 8	1 20	23 26	0 14	22 16	0 55	0 13	13 33	22 20	22 29	7 55		n.a.
T 20	1 51	22 10	0 3	6 27	0 48	17 56	2 54	11 51	1 7	7 7	1 11	22 8	1 20	23 26	0 14	22 16	0 54	0 13	13 33	22 20	22 28	7 58		n.a.
F 21	1 27	24 30	1s 1	6 51	0 32	18 19	2 58	11 34	1 7	7 1	1 11	22 8	1 20	23 26	0 14	22 16	0 54	0 14	13 33	22 20	22 28	8 1		n.a.
S 22	1 4	25 42	2 3	7 13	0 16	18 42	3 1	11 17	1 7	6 56	1 11	22 9	1 20	23 26	0 14	22 16	0 54	0 14	13 33	22 20	22 27	8 4		n.a.
S 23	0 40	25 35	3 2	7 33	0 0	19 4	3 5	11 0	1 7	6 50	1 11	22 9	1 20	23 26	0 14	22 16	0 54	0 15	13 33	22 19	22 27	8 7		n.a.
M24	0 17	24 2	3 52	7 50	0s15	19 25	3 9	10 43	1 7	6 44	1 11	22 9	1 20	23 26	0 14	22 16	0 54	0 16	13 34	22 19	22 26	8 10		n.a.
T 25	0n 7	21 4	4 32	8 6	0 30	19 47	3 12	10 26	1 7	6 39	1 11	22 9	1 20	23 26	0 14	22 16	0 54	0 16	13 34	22 18	22 26	8 13		n.a.
W26	0 30	16 47	4 56	8 18	0 44	20 7	3 15	10 8	1 7	6 33	1 11	22 9	1 20	23 27	0 14	22 16	0 54	0 17	13 34	22 17	22 25	8 16		n.a.
T 27	0 54	11 23	5 2	8 28	0 58	20 27	3 19	9 51	1 6	6 28	1 12	22 9	1 19	23 27	0 14	22 16	0 54	0 17	13 34	22 15	22 25	8 19		n.a.
F 28	1 17	5 13	4 48	8 36	1 10	20 47	3 22	9 33	1 6	6 22	1 12	22 10	1 19	23 27	0 14	22 17	0 54	0 18	13 34	22 14	22 25	8 22		n.a.
S 29	1 40	1n20	4 14	8 42	1 23	21 6	3 25	9 16	1 6	6 17	1 12	22 10	1 19	23 27	0 14	22 17	0 54	0 19	13 34	22 12	22 24	8 25		n.a.
S 30	2 4	7 50	3 22	8 44	1 34	21 25	3 28	8 58	1 6	6 11	1 12	22 10	1 19	23 27	0 14	22 17	0 54	0 19	13 35	22 11	22 24	8 28		n.a.
M31	2n27	13n50	2s16	8s45	1s45	21n43	3n31	8s41	1s 6	6s 6	1s12	22n10	1n19	23n27	0n14	22n17	0s54	0n20	13n35	22n11	22n23	8s31		n.a.

Julian Day Number = 1636744.5, Delta T = 03h38m44s
Ecliptic obliquity = 23°43'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'13, Lahiri = - 7°09'13 Julian Calendar 1 March 232 BCE == Greg. Calendar 25 Feb. 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

APRIL 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 21 24	7♈ 4'05	27♉56	12♓30	22♉23	11♓24	17♓43	27°R42	18♊27	18♊ 3	2°R19	9°R42	11♊ 9	0♏18	n.a.	T 1
W 2	12 25 20	8° 2'09	12♊17	13° 3	23°18	12° 9	17°57	27♋42	18°29	18° 4	2♏17	9°D42	11° 6	0°25	n.a.	W 2
T 3	12 29 17	9° 0'11	26°16	13°40	24°14	12°55	18°11	27°D42	18°30	18° 5	2°16	9♊42	11° 3	0°32	n.a.	T 3
F 4	12 33 13	9°58'11	9♋51	14°20	25° 8	13°40	18°25	27°42	18°32	18° 6	2°14	9°R43	10°59	0°38	n.a.	F 4
S 5	12 37 10	10°56'09	23° 6	15° 5	26° 2	14°25	18°39	27°42	18°34	18° 7	2°13	9°42	10°56	0°45	n.a.	S 5
S 6	12 41 6	11°54'05	6♌ 2	15°52	26°56	15°11	18°53	27°42	18°36	18° 9	2°11	9°39	10°53	0°52	n.a.	S 6
M 7	12 45 3	12°51'58	18°42	16°44	27°49	15°56	19° 7	27°43	18°38	18°10	2°10	9°34	10°50	0°58	n.a.	M 7
T 8	12 49 0	13°49'50	1♍10	17°38	28°41	16°41	19°20	27°43	18°40	18°11	2° 8	9°27	10°47	1° 5	n.a.	T 8
W 9	12 52 56	14°47'40	13°27	18°36	29°32	17°27	19°34	27°44	18°42	18°12	2° 7	9°18	10°44	1°12	n.a.	W 9
T 10	12 56 53	15°45'29	25°35	19°37	0♎23	18°12	19°48	27°44	18°44	18°13	2° 5	9° 8	10°40	1°18	n.a.	T 10
F 11	13 0 49	16°43'15	7♏36	20°40	1°13	18°57	20° 1	27°45	18°46	18°14	2° 3	8°58	10°37	1°25	n.a.	F 11
S 12	13 4 46	17°41'00	19°31	21°47	2° 3	19°42	20°15	27°46	18°48	18°16	2° 2	8°49	10°34	1°32	n.a.	S 12
S 13	13 8 42	18°38'44	1♏23	22°56	2°51	20°27	20°29	27°47	18°50	18°17	2° 0	8°42	10°31	1°38	n.a.	S 13
M14	13 12 39	19°36'26	13°12	24° 8	3°39	21°12	20°42	27°48	18°52	18°18	1°59	8°36	10°28	1°45	n.a.	M14
T 15	13 16 35	20°34'07	25° 1	25°23	4°26	21°57	20°55	27°49	18°55	18°20	1°57	8°33	10°24	1°52	n.a.	T 15
W16	13 20 32	21°31'46	6♐53	26°40	5°12	22°41	21° 9	27°51	18°57	18°21	1°55	8°D32	10°21	1°58	n.a.	W16
T 17	13 24 29	22°29'25	18°51	27°59	5°58	23°26	21°22	27°52	18°59	18°22	1°54	8°33	10°18	2° 5	n.a.	T 17
F 18	13 28 25	23°27'02	1♑ 0	29°22	6°42	24°11	21°35	27°54	19° 2	18°24	1°52	8°34	10°15	2°12	n.a.	F 18
S 19	13 32 22	24°24'38	13°24	0♈46	7°25	24°56	21°49	27°55	19° 4	18°25	1°51	8°35	10°12	2°18	n.a.	S 19
S 20	13 36 18	25°22'13	26° 8	2°13	8° 8	25°40	22° 2	27°57	19° 6	18°27	1°49	8°R36	10° 9	2°25	n.a.	S 20
M21	13 40 15	26°19'47	9♒16	3°42	8°49	26°25	22°15	27°59	19° 9	18°28	1°47	8°35	10° 5	2°32	n.a.	M21
T 22	13 44 11	27°17'20	22°51	5°14	9°30	27°10	22°28	28° 1	19°11	18°30	1°46	8°32	10° 2	2°39	n.a.	T 22
W23	13 48 8	28°14'52	6♓54	6°48	10° 9	27°54	22°41	28° 3	19°14	18°31	1°44	8°28	9°59	2°45	n.a.	W23
T 24	13 52 4	29°12'23	21°25	8°24	10°47	28°38	22°54	28° 5	19°17	18°33	1°42	8°23	9°56	2°52	n.a.	T 24
F 25	13 56 1	0♉ 9'52	6♈18	10° 3	11°24	29°23	23° 7	28° 7	19°19	18°34	1°41	8°18	9°53	2°59	n.a.	F 25
S 26	13 59 58	1° 7'21	21°27	11°43	12° 0	0♈ 7	23°20	28° 9	19°22	18°36	1°39	8°12	9°50	3° 5	n.a.	S 26
S 27	14 3 54	2° 4'49	6♉41	13°27	12°34	0°51	23°33	28°12	19°25	18°38	1°37	8° 8	9°46	3°12	n.a.	S 27
M28	14 7 51	3° 2'16	21°51	15°12	13° 8	1°36	23°45	28°14	19°27	18°39	1°36	8° 6	9°43	3°19	n.a.	M28
T 29	14 11 47	3°59'41	6♊47	17° 0	13°39	2°20	23°58	28°17	19°30	18°41	1°34	8°D 5	9°40	3°25	n.a.	T 29
W30	14 15 44	4♉57'06	21♊22	18♈50	14♊10	3♈ 4	24♓10	28♋19	19♊33	18♊43	1♏32	8♊ 5	9♊37	3♏32	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n50	18n55	1s 2	8s43	1s55	22n 1	3n34	8s23	1s 6	6s 0	1s12	22n10	1n19	23n27	0n14	22n17	0s54	0n20	13n35	22n10	22n23	8s34		n.a.
W 2	3 13	22 46	0n14	8 38	2 4	22 18	3 36	8 5	1 5	5 55	1 12	22 10	1 19	23 27	0 14	22 17	0 54	0 21	13 35	22 10	22 22	8 37		n.a.
T 3	3 37	25 8	1 27	8 32	2 12	22 35	3 39	7 47	1 5	5 50	1 12	22 10	1 19	23 28	0 14	22 17	0 54	0 22	13 35	22 10	22 22	8 40		n.a.
F 4	4 0	25 55	2 34	8 23	2 20	22 51	3 41	7 30	1 5	5 44	1 12	22 10	1 19	23 28	0 14	22 17	0 54	0 22	13 35	22 10	22 21	8 43		n.a.
S 5	4 23	25 11	3 30	8 12	2 27	23 7	3 44	7 12	1 5	5 39	1 12	22 9	1 19	23 28	0 14	22 18	0 54	0 23	13 35	22 10	22 21	8 45		n.a.
S 6	4 46	23 6	4 15	7 59	2 33	23 22	3 46	6 54	1 4	5 33	1 12	22 9	1 19	23 28	0 14	22 18	0 54	0 23	13 35	22 10	22 21	8 48		n.a.
M 7	5 8	19 55	4 45	7 44	2 38	23 36	3 48	6 36	1 4	5 28	1 12	22 9	1 19	23 28	0 14	22 18	0 54	0 24	13 35	22 9	22 20	8 51		n.a.
T 8	5 31	15 53	5 2	7 26	2 43	23 50	3 50	6 18	1 4	5 22	1 12	22 9	1 19	23 28	0 14	22 18	0 54	0 24	13 36	22 8	22 20	8 54		n.a.
W 9	5 54	11 15	5 4	7 7	2 47	24 4	3 52	6 0	1 4	5 17	1 12	22 9	1 19	23 29	0 14	22 18	0 54	0 25	13 36	22 7	22 19	8 57		n.a.
T 10	6 16	6 15	4 53	6 46	2 50	24 17	3 54	5 42	1 4	5 12	1 13	22 9	1 19	23 29	0 14	22 18	0 54	0 26	13 36	22 5	22 19	9 0		n.a.
F 11	6 39	1 3	4 29	6 23	2 53	24 29	3 55	5 24	1 3	5 6	1 13	22 9	1 19	23 29	0 14	22 18	0 54	0 26	13 36	22 3	22 18	9 3		n.a.
S 12	7 1	4s 9	3 52	5 58	2 55	24 41	3 57	5 5	1 3	5 1	1 13	22 8	1 19	23 29	0 14	22 19	0 54	0 27	13 36	22 2	22 18	9 6		n.a.
S 13	7 23	9 11	3 6	5 31	2 56	24 52	3 58	4 47	1 3	4 56	1 13	22 8	1 19	23 29	0 14	22 19	0 54	0 27	13 36	22 1	22 17	9 9		n.a.
M14	7 46	13 53	2 12	5 3	2 57	25 2	3 59	4 29	1 2	4 51	1 13	22 8	1 19	23 29	0 14	22 19	0 53	0 28	13 36	22 0	22 17	9 12		n.a.
T 15	8 8	18 4	1 12	4 33	2 56	25 12	4 0	4 11	1 2	4 45	1 13	22 7	1 18	23 30	0 14	22 19	0 53	0 28	13 36	22 0	22 16	9 15		n.a.
W16	8 29	21 34	0 9	4 1	2 56	25 22	4 1	3 53	1 2	4 40	1 13	22 7	1 18	23 30	0 14	22 19	0 53	0 29	13 36	21 59	22 16	9 18		n.a.
T 17	8 51	24 10	0s56	3 28	2 54	25 31	4 1	3 35	1 2	4 35	1 13	22 7	1 18	23 30	0 14	22 19	0 53	0 30	13 36	21 59	22 16	9 21		n.a.
F 18	9 13	25 42	1 59	2 53	2 52	25 39	4 2	3 16	1 1	4 30	1 13	22 6	1 18	23 30	0 14	22 20	0 53	0 30	13 36	22 0	22 15	9 24		n.a.
S 19	9 34	25 59	2 58	2 17	2 50	25 47	4 2	2 58	1 1	4 24	1 13	22 6	1 18	23 30	0 14	22 20	0 53	0 31	13 36	22 0	22 15	9 27		n.a.
S 20	9 56	24 55	3 49	1 39	2 46	25 54	4 2	2 40	1 1	4 19	1 14	22 6	1 18	23 31	0 14	22 20	0 53	0 31	13 36	22 0	22 14	9 30		n.a.
M21	10 17	22 30	4 31	0 59	2 43	26 0	4 1	2 22	1 0	4 14	1 14	22 5	1 18	23 31	0 14	22 20	0 53	0 32	13 36	22 0	22 14	9 33		n.a.
T 22	10 38	18 45	4 59	0 19	2 38	26 6	4 1	2 4	1 0	4 9	1 14	22 5	1 18	23 31	0 14	22 20	0 53	0 32	13 36	21 59	22 13	9 36		n.a.
W23	10 59	13 52	5 10	0n23	2 33	26 12	4 0	1 45	1 0	4 4	1 14	22 4	1 18	23 31	0 14	22 20	0 53	0 33	13 36	21 59	22 13	9 39		n.a.
T 24	11 19	8 4	5 2	1 7	2 28	26 17	3 59	1 27	0 59	3 59	1 14	22 4	1 18	23 31	0 14	22 20	0 53	0 33	13 36	21 58	22 12	9 42		n.a.
F 25	11 40	1 40	4 34	1 52	2 21	26 21	3 58	1 9	0 59	3 54	1 14	22 3	1 18	23 32	0 14	22 21	0 53	0 34	13 36	21 57	22 12	9 45		n.a.
S 26	12 0	4n58	3 47	2 37	2 15	26 24	3 57	0 51	0 59	3 49	1 14	22 3	1 18	23 32	0 14	22 21	0 53	0 34	13 36	21 56	22 11	9 48		n.a.
S 27	12 20	11 21	2 43	3 25	2 8	26 28	3 55	0 33	0 58	3 44	1 14	22 2	1 18	23 32	0 14	22 21	0 53	0 35	13 35	21 56	22 11	9 50		n.a.
M28	12 40	17 2	1 27	4 13	2 0	26 30	3 53	0 15	0 58	3 39	1 14	22 2	1 18	23 32	0 14	22 21	0 53	0 35	13 35	21 55	22 10	9 53		n.a.
T 29	13 0	21 35	0 7	5 2	1 52	26 32	3 51	0n 3	0 58	3 34	1 15	22 1	1 18	23 33	0 14	22 21	0 53	0 36	13 35	21 55	22 10	9 56		n.a.
W30	13n20	24n38	1n12	5n52	1s43	26n33	3n49	0n22	0s57	3s29	1s15	22n 1	1n18	23n33	0n14	22n22	0s53	0n36	13n35	21n55	22n 9	9s59		n.a.

Julian Day Number = 1636775.5, Delta T = 03h38m43s
Ecliptic obliquity = 23°43'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'09, Lahiri = - 7°09'09 Julian Calendar 1 Apr. 232 BCE == Greg. Calendar 28 March 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

MAY 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 19 40	5♉54'29	5♋33	20♈42	14♊39	3♈48	24♓23	28♋22	19♊36	18♊44	1°R31	8♊ 7	9♊34	3♏39	n.a.	T 1
F 2	14 23 37	6°51'50	19°17	22°36	15° 6	4°32	24°35	28°25	19°39	18°46	1♏29	8° 8	9°30	3°45	n.a.	F 2
S 3	14 27 33	7°49'11	2♌36	24°33	15°32	5°16	24°48	28°28	19°41	18°48	1°28	8°R 9	9°27	3°52	n.a.	S 3
S 4	14 31 30	8°46'30	15°32	26°32	15°56	6° 0	25° 0	28°31	19°44	18°50	1°26	8° 9	9°24	3°59	n.a.	S 4
M 5	14 35 27	9°43'48	28° 9	28°32	16°18	6°43	25°12	28°34	19°47	18°52	1°24	8° 8	9°21	4° 5	n.a.	M 5
T 6	14 39 23	10°41'05	10♍30	0♉35	16°39	7°27	25°24	28°37	19°50	18°53	1°23	8° 5	9°18	4°12	n.a.	T 6
W 7	14 43 20	11°38'21	22°39	2°39	16°57	8°11	25°36	28°41	19°53	18°55	1°21	8° 1	9°15	4°19	n.a.	W 7
T 8	14 47 16	12°35'36	4♎40	4°45	17°14	8°54	25°48	28°44	19°56	18°57	1°19	7°57	9°11	4°25	n.a.	T 8
F 9	14 51 13	13°32'49	16°34	6°53	17°29	9°38	26° 0	28°48	20° 0	18°59	1°18	7°53	9° 8	4°32	n.a.	F 9
S 10	14 55 9	14°30'02	28°24	9° 2	17°42	10°22	26°12	28°51	20° 3	19° 1	1°16	7°49	9° 5	4°39	n.a.	S 10
S 11	14 59 6	15°27'15	10♏13	11°12	17°53	11° 5	26°24	28°55	20° 6	19° 3	1°15	7°47	9° 2	4°45	n.a.	S 11
M12	15 3 2	16°24'26	22° 4	13°22	18° 1	11°48	26°35	28°59	20° 9	19° 5	1°13	7°45	8°59	4°52	n.a.	M12
T 13	15 6 59	17°21'37	3♐57	15°34	18° 8	12°32	26°47	29° 3	20°12	19° 7	1°11	7°D44	8°55	4°59	n.a.	T 13
W14	15 10 56	18°18'47	15°55	17°45	18°12	13°15	26°58	29° 7	20°15	19° 9	1°10	7°44	8°52	5° 5	n.a.	W14
T 15	15 14 52	19°15'57	28° 1	19°57	18°R14	13°58	27°10	29°11	20°18	19°11	1° 8	7°45	8°49	5°12	n.a.	T 15
F 16	15 18 49	20°13'07	10♑18	22° 8	18°14	14°41	27°21	29°15	20°22	19°13	1° 7	7°46	8°46	5°19	n.a.	F 16
S 17	15 22 45	21°10'16	22°48	24°19	18°11	15°24	27°32	29°19	20°25	19°15	1° 5	7°48	8°43	5°25	n.a.	S 17
S 18	15 26 42	22° 7'25	5♒36	26°29	18° 6	16° 7	27°43	29°23	20°28	19°17	1° 4	7°49	8°40	5°32	n.a.	S 18
M19	15 30 38	23° 4'34	18°43	28°39	17°58	16°50	27°54	29°28	20°32	19°19	1° 2	7°R49	8°36	5°39	n.a.	M19
T 20	15 34 35	24° 1'43	2♓13	0♊47	17°49	17°33	28° 5	29°32	20°35	19°21	1° 1	7°49	8°33	5°45	n.a.	T 20
W21	15 38 32	24°58'51	16° 8	2°53	17°36	18°16	28°16	29°36	20°38	19°23	0°59	7°48	8°30	5°52	n.a.	W21
T 22	15 42 28	25°56'00	0♈26	4°58	17°22	18°59	28°27	29°41	20°42	19°25	0°58	7°47	8°27	5°59	n.a.	T 22
F 23	15 46 25	26°53'08	15° 5	7° 2	17° 5	19°41	28°37	29°46	20°45	19°27	0°56	7°46	8°24	6° 5	n.a.	F 23
S 24	15 50 21	27°50'17	0♉ 1	9° 3	16°46	20°24	28°48	29°50	20°49	19°29	0°55	7°45	8°21	6°12	n.a.	S 24
S 25	15 54 18	28°47'25	15° 6	11° 3	16°24	21° 7	28°58	29°55	20°52	19°31	0°54	7°44	8°17	6°19	n.a.	S 25
M26	15 58 14	29°44'33	0♊11	13° 1	16° 1	21°49	29° 9	0♌ 0	20°55	19°33	0°52	7°44	8°14	6°25	n.a.	M26
T 27	16 2 11	0♊41'41	15° 7	14°56	15°35	22°32	29°19	0° 5	20°59	19°35	0°51	7°D44	8°11	6°32	n.a.	T 27
W28	16 6 7	1°38'49	29°47	16°50	15° 8	23°14	29°29	0°10	21° 2	19°37	0°49	7°44	8° 8	6°39	n.a.	W28
T 29	16 10 4	2°35'57	14♋ 5	18°42	14°38	23°56	29°39	0°15	21° 6	19°40	0°48	7°44	8° 5	6°45	n.a.	T 29
F 30	16 14 1	3°33'04	27°57	20°31	14° 7	24°39	29°49	0°20	21° 9	19°42	0°47	7°45	8° 1	6°52	n.a.	F 30
S 31	16 17 57	4♊30'11	11♌23	22♊19	13♊35	25♈21	29♓59	0♌26	21♊13	19♊44	0♏45	7♊45	7♊58	6♏59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	13n39	26n 1	2n25	6n43	1s34	26n34	3n46	0n40	0s57	3s24	1s15	22n 0	1n18	23n33	0n14	22n22	0s53	0n37	13n35	21n55	22n 9	10s 2			n.a.
F 2	13 58	25 43	3 26	7 35	1 25	26 34	3 43	0 58	0 56	3 19	1 15	21 59	1 18	23 33	0 14	22 22	0 53	0 37	13 35	21 55	22 8	10 5			n.a.
S 3	14 17	23 57	4 15	8 27	1 15	26 34	3 39	1 16	0 56	3 14	1 15	21 59	1 17	23 33	0 14	22 22	0 53	0 37	13 35	21 56	22 8	10 8			n.a.
S 4	14 36	20 58	4 49	9 20	1 5	26 33	3 36	1 33	0 56	3 10	1 15	21 58	1 17	23 34	0 14	22 22	0 53	0 38	13 35	21 56	22 7	10 11			n.a.
M 5	14 54	17 4	5 9	10 13	0 55	26 31	3 31	1 51	0 55	3 5	1 15	21 57	1 17	23 34	0 14	22 22	0 53	0 38	13 35	21 55	22 7	10 14			n.a.
T 6	15 12	12 32	5 13	11 7	0 45	26 29	3 27	2 9	0 55	3 0	1 16	21 56	1 17	23 34	0 14	22 23	0 53	0 39	13 34	21 55	22 6	10 17			n.a.
W 7	15 30	7 35	5 3	12 0	0 34	26 26	3 22	2 27	0 54	2 55	1 16	21 56	1 17	23 34	0 14	22 23	0 53	0 39	13 34	21 54	22 6	10 20			n.a.
T 8	15 48	2 24	4 40	12 54	0 23	26 22	3 17	2 45	0 54	2 51	1 16	21 55	1 17	23 35	0 14	22 23	0 53	0 39	13 34	21 54	22 5	10 23			n.a.
F 9	16 6	2s49	4 5	13 47	0 13	26 18	3 11	3 2	0 54	2 46	1 16	21 54	1 17	23 35	0 14	22 23	0 53	0 40	13 34	21 53	22 5	10 26			n.a.
S 10	16 23	7 55	3 20	14 39	0 2	26 13	3 5	3 20	0 53	2 41	1 16	21 53	1 17	23 35	0 14	22 23	0 53	0 40	13 34	21 52	22 5	10 29			n.a.
S 11	16 40	12 45	2 26	15 30	0n 9	26 8	2 59	3 38	0 53	2 37	1 16	21 53	1 17	23 35	0 14	22 24	0 53	0 40	13 34	21 52	22 4	10 32			n.a.
M12	16 56	17 8	1 25	16 21	0 19	26 2	2 52	3 55	0 52	2 32	1 16	21 52	1 17	23 36	0 14	22 24	0 53	0 41	13 33	21 52	22 4	10 35			n.a.
T 13	17 13	20 51	0 21	17 10	0 30	25 56	2 45	4 13	0 52	2 28	1 17	21 51	1 17	23 36	0 14	22 24	0 53	0 41	13 33	21 52	22 3	10 37			n.a.
W14	17 29	23 43	0s45	17 58	0 40	25 48	2 37	4 30	0 51	2 23	1 17	21 50	1 17	23 36	0 14	22 24	0 53	0 41	13 33	21 52	22 3	10 40			n.a.
T 15	17 45	25 32	1 50	18 44	0 49	25 41	2 29	4 48	0 51	2 19	1 17	21 49	1 17	23 36	0 14	22 24	0 53	0 42	13 33	21 52	22 2	10 43			n.a.
F 16	18 1	26 9	2 50	19 27	0 58	25 32	2 21	5 5	0 50	2 15	1 17	21 48	1 17	23 37	0 14	22 24	0 52	0 42	13 33	21 52	22 2	10 46			n.a.
S 17	18 16	25 27	3 44	20 9	1 7	25 23	2 12	5 22	0 50	2 10	1 17	21 47	1 17	23 37	0 14	22 25	0 52	0 42	13 32	21 52	22 1	10 49			n.a.
S 18	18 31	23 25	4 28	20 49	1 15	25 13	2 3	5 39	0 49	2 6	1 17	21 46	1 17	23 37	0 14	22 25	0 52	0 43	13 32	21 52	22 1	10 52			n.a.
M19	18 46	20 7	4 59	21 26	1 22	25 3	1 53	5 56	0 49	2 2	1 18	21 45	1 17	23 37	0 14	22 25	0 52	0 43	13 32	21 52	22 0	10 55			n.a.
T 20	19 0	15 42	5 15	22 1	1 29	24 51	1 42	6 13	0 48	1 57	1 18	21 44	1 17	23 38	0 14	22 25	0 52	0 43	13 32	21 52	22 0	10 58			n.a.
W21	19 14	10 20	5 13	22 33	1 36	24 40	1 32	6 30	0 48	1 53	1 18	21 43	1 17	23 38	0 14	22 25	0 52	0 43	13 31	21 52	21 59	11 1			n.a.
T 22	19 28	4 17	4 52	23 2	1 41	24 27	1 21	6 47	0 47	1 49	1 18	21 42	1 17	23 38	0 14	22 26	0 52	0 44	13 31	21 52	21 59	11 4			n.a.
F 23	19 42	2n 8	4 12	23 29	1 46	24 14	1 9	7 4	0 47	1 45	1 18	21 41	1 17	23 38	0 14	22 26	0 52	0 44	13 31	21 52	21 58	11 7			n.a.
S 24	19 55	8 35	3 14	23 53	1 50	24 0	0 57	7 21	0 46	1 41	1 19	21 40	1 17	23 39	0 14	22 26	0 52	0 44	13 30	21 52	21 58	11 10			n.a.
S 25	20 8	14 37	2 2	24 14	1 54	23 46	0 45	7 37	0 46	1 37	1 19	21 39	1 16	23 39	0 14	22 26	0 52	0 44	13 30	21 52	21 57	11 12			n.a.
M26	20 20	19 45	0 42	24 33	1 56	23 31	0 32	7 54	0 45	1 33	1 19	21 38	1 16	23 39	0 14	22 26	0 52	0 45	13 30	21 51	21 56	11 15			n.a.
T 27	20 32	23 34	0n41	24 49	1 58	23 15	0 19	8 10	0 45	1 29	1 19	21 37	1 16	23 39	0 14	22 27	0 52	0 45	13 30	21 51	21 56	11 18			n.a.
W28	20 44	25 43	1 59	25 3	2 0	22 59	0 6	8 27	0 44	1 25	1 19	21 36	1 16	23 39	0 14	22 27	0 52	0 45	13 29	21 52	21 55	11 21			n.a.
T 29	20 56	26 6	3 8	25 14	2 0	22 42	0s 8	8 43	0 44	1 21	1 20	21 35	1 16	23 40	0 14	22 27	0 52	0 45	13 29	21 52	21 55	11 24			n.a.
F 30	21 7	24 48	4 4	25 23	2 0	22 25	0 21	8 59	0 43	1 17	1 20	21 34	1 16	23 40	0 14	22 27	0 52	0 45	13 29	21 52	21 54	11 27			n.a.
S 31	21n18	22n 7	4n45	25n29	2n 0	22n 7	0s35	9n15	0s43	1s14	1s20	21n32	1n16	23n40	0n14	22n27	0s52	0n45	13n28	21n52	21n54	11s30			n.a.

Julian Day Number = 1636805.5, Delta T = 03h38m42s
Ecliptic obliquity = 23°43'27, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'05, Lahiri = - 7°09'04 Julian Calendar 1 May 232 BCE == Greg. Calendar 27 Apr. 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

JUNE 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 21 54	5♊27'17	24♌24	24♊ 4	13°R 1	26♈ 3	0♈ 8	0♌31	21♊16	19♊46	0°R44	7♊45	7♊55	7♏ 5	n.a.	S 1
M 2	16 25 50	6°24'24	7♍ 3	25°47	12♊25	26°45	0°18	0°36	21°20	19°48	0♏43	7°R45	7°52	7°12	n.a.	M 2
T 3	16 29 47	7°21'30	19°24	27°28	11°49	27°27	0°27	0°42	21°23	19°50	0°42	7°D45	7°49	7°19	n.a.	T 3
W 4	16 33 43	8°18'36	1♎30	29° 7	11°13	28° 9	0°36	0°47	21°27	19°53	0°40	7°45	7°46	7°25	n.a.	W 4
T 5	16 37 40	9°15'41	13°27	0♋44	10°35	28°51	0°46	0°53	21°31	19°55	0°39	7°45	7°42	7°32	n.a.	T 5
F 6	16 41 36	10°12'47	25°18	2°19	9°58	29°32	0°55	0°58	21°34	19°57	0°38	7°46	7°39	7°39	n.a.	F 6
S 7	16 45 33	11° 9'53	7♏ 7	3°51	9°21	0♉14	1° 4	1° 4	21°38	19°59	0°37	7°46	7°36	7°45	n.a.	S 7
S 8	16 49 30	12° 6'59	18°57	5°21	8°43	0°56	1°12	1°10	21°41	20° 1	0°36	7°46	7°33	7°52	n.a.	S 8
M 9	16 53 26	13° 4'05	0♐51	6°50	8° 7	1°37	1°21	1°16	21°45	20° 4	0°35	7°47	7°30	7°59	n.a.	M 9
T 10	16 57 23	14° 1'11	12°52	8°16	7°31	2°19	1°30	1°22	21°49	20° 6	0°34	7°R47	7°27	8° 5	n.a.	T 10
W11	17 1 19	14°58'18	25° 1	9°39	6°55	3° 0	1°38	1°27	21°52	20° 8	0°33	7°46	7°23	8°12	n.a.	W11
T 12	17 5 16	15°55'25	7♑21	11° 1	6°22	3°42	1°46	1°33	21°56	20°10	0°32	7°46	7°20	8°19	n.a.	T 12
F 13	17 9 12	16°52'32	19°52	12°20	5°49	4°23	1°54	1°40	22° 0	20°13	0°31	7°45	7°17	8°25	n.a.	F 13
S 14	17 13 9	17°49'41	2♒37	13°37	5°18	5° 4	2° 2	1°46	22° 3	20°15	0°30	7°43	7°14	8°32	n.a.	S 14
S 15	17 17 6	18°46'49	15°36	14°51	4°49	5°45	2°10	1°52	22° 7	20°17	0°29	7°42	7°11	8°39	n.a.	S 15
M16	17 21 2	19°43'59	28°51	16° 3	4°21	6°27	2°18	1°58	22°10	20°19	0°28	7°41	7° 7	8°45	n.a.	M16
T 17	17 24 59	20°41'09	12♓23	17°12	3°56	7° 8	2°25	2° 4	22°14	20°22	0°27	7°40	7° 4	8°52	n.a.	T 17
W18	17 28 55	21°38'20	26°12	18°19	3°32	7°49	2°33	2°10	22°18	20°24	0°26	7°D40	7° 1	8°59	n.a.	W18
T 19	17 32 52	22°35'32	10♈19	19°23	3°11	8°29	2°40	2°17	22°21	20°26	0°25	7°41	6°58	9° 5	n.a.	T 19
F 20	17 36 48	23°32'45	24°41	20°24	2°52	9°10	2°47	2°23	22°25	20°28	0°24	7°42	6°55	9°12	n.a.	F 20
S 21	17 40 45	24°29'58	9♉17	21°23	2°36	9°51	2°54	2°30	22°29	20°30	0°23	7°43	6°52	9°19	n.a.	S 21
S 22	17 44 41	25°27'13	24° 1	22°18	2°22	10°32	3° 1	2°36	22°32	20°33	0°23	7°44	6°48	9°25	n.a.	S 22
M23	17 48 38	26°24'29	8♊47	23°10	2°10	11°12	3° 8	2°43	22°36	20°35	0°22	7°R44	6°45	9°32	n.a.	M23
T 24	17 52 35	27°21'46	23°30	23°59	2° 0	11°53	3°14	2°49	22°40	20°37	0°21	7°43	6°42	9°39	n.a.	T 24
W25	17 56 31	28°19'03	8♋ 1	24°45	1°53	12°33	3°21	2°56	22°43	20°39	0°21	7°42	6°39	9°45	n.a.	W25
T 26	18 0 28	29°16'21	22°16	25°27	1°48	13°14	3°27	3° 3	22°47	20°42	0°20	7°39	6°36	9°52	n.a.	T 26
F 27	18 4 24	0♋13'40	6♌ 9	26° 5	1°46	13°54	3°33	3° 9	22°51	20°44	0°19	7°36	6°33	9°59	n.a.	F 27
S 28	18 8 21	1°11'00	19°37	26°39	1°D46	14°34	3°39	3°16	22°54	20°46	0°19	7°33	6°29	10° 5	n.a.	S 28
S 29	18 12 17	2° 8'20	2♍42	27° 9	1°48	15°14	3°45	3°23	22°58	20°48	0°18	7°30	6°26	10°12	n.a.	S 29
M30	18 16 14	3♋ 5'41	15♍23	27♋35	1♊53	15♉54	3♈50	3♌30	23♊ 1	20♊50	0♏18	7♊28	6♊23	10♏19	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n28	18n23	5n 9	25n34	1n58	21n49	0s49	9n31	0s42	1s10	1s20	21n31	1n16	23n40	0n15	22n27	0s52	0n45	13n28	21n52	21n53	11s33		n.a.
M 2	21 38	13 55	5 17	25 36	1 56	21 30	1 3	9 47	0 42	1 6	1 20	21 30	1 16	23 41	0 15	22 28	0 52	0 45	13 28	21 52	21 53	11 36		n.a.
T 3	21 48	9 0	5 11	25 36	1 54	21 12	1 18	10 3	0 41	1 3	1 21	21 29	1 16	23 41	0 15	22 28	0 52	0 46	13 27	21 52	21 52	11 39		n.a.
W 4	21 57	3 50	4 51	25 34	1 51	20 53	1 32	10 19	0 40	0 59	1 21	21 28	1 16	23 41	0 15	22 28	0 52	0 46	13 27	21 52	21 52	11 41		n.a.
T 5	22 6	1s25	4 18	25 30	1 47	20 34	1 46	10 34	0 40	0 56	1 21	21 26	1 16	23 41	0 15	22 28	0 52	0 46	13 26	21 52	21 51	11 44		n.a.
F 6	22 15	6 34	3 35	25 25	1 42	20 15	1 59	10 50	0 39	0 52	1 21	21 25	1 16	23 42	0 15	22 28	0 52	0 46	13 26	21 52	21 51	11 47		n.a.
S 7	22 23	11 30	2 42	25 17	1 37	19 56	2 13	11 5	0 39	0 49	1 21	21 24	1 16	23 42	0 15	22 29	0 52	0 46	13 26	21 52	21 50	11 50		n.a.
S 8	22 31	16 1	1 43	25 9	1 32	19 37	2 26	11 20	0 38	0 46	1 22	21 22	1 16	23 42	0 15	22 29	0 52	0 46	13 25	21 52	21 50	11 53		n.a.
M 9	22 38	19 57	0 38	24 59	1 26	19 18	2 39	11 36	0 37	0 42	1 22	21 21	1 16	23 42	0 15	22 29	0 52	0 46	13 25	21 52	21 49	11 56		n.a.
T 10	22 45	23 5	0s28	24 47	1 19	19 0	2 52	11 51	0 37	0 39	1 22	21 20	1 16	23 43	0 15	22 29	0 52	0 46	13 25	21 52	21 49	11 59		n.a.
W11	22 52	25 12	1 34	24 34	1 12	18 42	3 4	12 6	0 36	0 36	1 22	21 18	1 16	23 43	0 15	22 29	0 52	0 46	13 24	21 52	21 48	12 2		n.a.
T 12	22 58	26 8	2 37	24 20	1 5	18 25	3 16	12 20	0 36	0 33	1 23	21 17	1 16	23 43	0 15	22 29	0 52	0 46	13 24	21 52	21 48	12 5		n.a.
F 13	23 4	25 44	3 33	24 5	0 57	18 8	3 27	12 35	0 35	0 30	1 23	21 16	1 16	23 43	0 15	22 30	0 52	0 46	13 23	21 52	21 47	12 7		n.a.
S 14	23 10	24 1	4 19	23 49	0 48	17 52	3 38	12 50	0 34	0 27	1 23	21 14	1 16	23 44	0 15	22 30	0 52	0 46	13 23	21 51	21 47	12 10		n.a.
S 15	23 15	21 1	4 53	23 32	0 40	17 37	3 48	13 4	0 34	0 24	1 23	21 13	1 16	23 44	0 15	22 30	0 52	0 46	13 22	21 51	21 46	12 13		n.a.
M16	23 19	16 53	5 13	23 15	0 30	17 23	3 57	13 18	0 33	0 21	1 23	21 11	1 16	23 44	0 15	22 30	0 52	0 45	13 22	21 51	21 45	12 16		n.a.
T 17	23 24	11 50	5 15	22 56	0 20	17 9	4 7	13 33	0 33	0 18	1 24	21 10	1 16	23 44	0 15	22 30	0 52	0 45	13 22	21 51	21 45	12 19		n.a.
W18	23 27	6 6	5 0	22 37	0 10	16 56	4 15	13 47	0 32	0 15	1 24	21 9	1 16	23 44	0 15	22 31	0 52	0 45	13 21	21 51	21 44	12 22		n.a.
T 19	23 31	0n 3	4 27	22 18	0s 0	16 44	4 23	14 1	0 31	0 13	1 24	21 7	1 16	23 45	0 15	22 31	0 52	0 45	13 21	21 51	21 44	12 25		n.a.
F 20	23 34	6 20	3 36	21 58	0 11	16 34	4 30	14 14	0 31	0 10	1 24	21 6	1 16	23 45	0 15	22 31	0 52	0 45	13 20	21 51	21 43	12 28		n.a.
S 21	23 36	12 22	2 31	21 38	0 22	16 24	4 37	14 28	0 30	0 7	1 25	21 4	1 16	23 45	0 15	22 31	0 52	0 45	13 20	21 51	21 43	12 30		n.a.
S 22	23 39	17 47	1 15	21 18	0 34	16 15	4 43	14 42	0 29	0 5	1 25	21 3	1 16	23 45	0 15	22 31	0 52	0 45	13 19	21 52	21 42	12 33		n.a.
M23	23 40	22 8	0n 6	20 57	0 46	16 7	4 49	14 55	0 29	0 2	1 25	21 1	1 16	23 46	0 15	22 31	0 52	0 44	13 19	21 52	21 42	12 36		n.a.
T 24	23 42	25 0	1 26	20 37	0 58	16 0	4 54	15 8	0 28	0 0	1 25	21 0	1 16	23 46	0 15	22 32	0 52	0 44	13 19	21 51	21 41	12 39		n.a.
W25	23 43	26 8	2 39	20 17	1 11	15 54	4 59	15 21	0 27	0n 2	1 26	20 58	1 16	23 46	0 15	22 32	0 52	0 44	13 18	21 51	21 41	12 42		n.a.
T 26	23 43	25 30	3 41	19 56	1 23	15 49	5 3	15 34	0 27	0 4	1 26	20 56	1 16	23 46	0 15	22 32	0 52	0 44	13 18	21 51	21 40	12 45		n.a.
F 27	23 43	23 17	4 29	19 37	1 36	15 45	5 7	15 47	0 26	0 7	1 26	20 55	1 16	23 46	0 15	22 32	0 52	0 44	13 17	21 50	21 40	12 48		n.a.
S 28	23 43	19 50	4 59	19 18	1 49	15 42	5 10	16 0	0 25	0 9	1 26	20 53	1 16	23 47	0 15	22 32	0 52	0 43	13 17	21 50	21 39	12 50		n.a.
S 29	23 42	15 30	5 13	18 59	2 2	15 40	5 12	16 13	0 25	0 11	1 27	20 52	1 16	23 47	0 15	22 32	0 52	0 43	13 16	21 49	21 38	12 53		n.a.
M30	23n41	10n36	5n11	18n41	2s15	15n39	5s15	16n25	0s24	0n13	1s27	20n50	1n16	23n47	0n15	22n33	0s52	0n43	13n16	21n49	21n38	12s56		n.a.

Julian Day Number = 1636836.5, Delta T = 03h38m41s
Ecliptic obliquity = 23°43'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°16'01, Lahiri = - 7°09'00 Julian Calendar 1 June 232 BCE == Greg. Calendar 28 May 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

JULY 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 20 10	4♋ 3'02	27♍46	27♋57	1♊59	16♉35	3♈56	3♌37	23♊ 5	20♊53	0°R17	7°R27	6♊20	10♏25	n.a.	T 1
W 2	18 24 7	5° 0'25	9♎52	28°14	2° 8	17°14	4° 1	3°43	23° 9	20°55	0♏17	7°D27	6°17	10°32	n.a.	W 2
T 3	18 28 4	5°57'48	21°49	28°26	2°19	17°54	4° 6	3°50	23°12	20°57	0°16	7♊28	6°13	10°39	n.a.	T 3
F 4	18 32 0	6°55'11	3♏39	28°33	2°32	18°34	4°11	3°57	23°16	20°59	0°16	7°29	6°10	10°45	n.a.	F 4
S 5	18 35 57	7°52'36	15°28	28°R35	2°47	19°14	4°15	4° 4	23°19	21° 1	0°16	7°31	6° 7	10°52	n.a.	S 5
S 6	18 39 53	8°50'02	27°21	28°32	3° 4	19°53	4°20	4°11	23°23	21° 3	0°15	7°32	6° 4	10°59	n.a.	S 6
M 7	18 43 50	9°47'29	9♐20	28°23	3°23	20°33	4°24	4°19	23°26	21° 6	0°15	7°R33	6° 1	11° 5	n.a.	M 7
T 8	18 47 46	10°44'56	21°30	28° 9	3°43	21°12	4°29	4°26	23°30	21° 8	0°15	7°32	5°58	11°12	n.a.	T 8
W 9	18 51 43	11°42'25	3♑53	27°50	4° 6	21°52	4°33	4°33	23°33	21°10	0°14	7°29	5°54	11°19	n.a.	W 9
T 10	18 55 39	12°39'56	16°30	27°25	4°30	22°31	4°36	4°40	23°37	21°12	0°14	7°25	5°51	11°25	n.a.	T 10
F 11	18 59 36	13°37'27	29°21	26°56	4°55	23°10	4°40	4°47	23°40	21°14	0°14	7°20	5°48	11°32	n.a.	F 11
S 12	19 3 33	14°35'00	12♒27	26°22	5°23	23°50	4°44	4°54	23°44	21°16	0°14	7°14	5°45	11°39	n.a.	S 12
S 13	19 7 29	15°32'34	25°46	25°43	5°51	24°29	4°47	5° 2	23°47	21°18	0°14	7° 8	5°42	11°45	n.a.	S 13
M14	19 11 26	16°30'10	9♓18	25° 0	6°22	25° 8	4°50	5° 9	23°51	21°20	0°14	7° 3	5°39	11°52	n.a.	M14
T 15	19 15 22	17°27'47	23° 2	24°14	6°54	25°47	4°53	5°16	23°54	21°22	0°14	6°59	5°35	11°58	n.a.	T 15
W16	19 19 19	18°25'26	6♈55	23°26	7°27	26°25	4°56	5°23	23°58	21°24	0°D14	6°56	5°32	12° 5	n.a.	W16
T 17	19 23 15	19°23'06	20°57	22°35	8° 1	27° 4	4°58	5°31	24° 1	21°26	0°14	6°D56	5°29	12°12	n.a.	T 17
F 18	19 27 12	20°20'49	5♉ 7	21°44	8°37	27°43	5° 0	5°38	24° 4	21°28	0°14	6°56	5°26	12°18	n.a.	F 18
S 19	19 31 8	21°18'33	19°24	20°53	9°14	28°21	5° 3	5°45	24° 8	21°30	0°14	6°58	5°23	12°25	n.a.	S 19
S 20	19 35 5	22°16'19	3♊45	20° 3	9°52	29° 0	5° 5	5°53	24°11	21°32	0°14	6°R58	5°19	12°32	n.a.	S 20
M21	19 39 2	23°14'07	18° 6	19°15	10°31	29°38	5° 6	6° 0	24°14	21°34	0°14	6°58	5°16	12°38	n.a.	M21
T 22	19 42 58	24°11'57	2♋25	18°30	11°12	0♊17	5° 8	6° 8	24°18	21°36	0°14	6°56	5°13	12°45	n.a.	T 22
W23	19 46 55	25° 9'48	16°37	17°50	11°53	0°55	5° 9	6°15	24°21	21°38	0°15	6°51	5°10	12°52	n.a.	W23
T 24	19 50 51	26° 7'41	0♌36	17°14	12°36	1°33	5°10	6°23	24°24	21°40	0°15	6°44	5° 7	12°58	n.a.	T 24
F 25	19 54 48	27° 5'36	14°18	16°44	13°19	2°11	5°11	6°30	24°27	21°42	0°15	6°36	5° 4	13° 5	n.a.	F 25
S 26	19 58 44	28° 3'32	27°41	16°21	14° 4	2°49	5°12	6°38	24°31	21°44	0°16	6°28	5° 0	13°12	n.a.	S 26
S 27	20 2 41	29° 1'29	10♍43	16° 5	14°49	3°27	5°13	6°45	24°34	21°46	0°16	6°19	4°57	13°18	n.a.	S 27
M28	20 6 38	29°59'28	23°24	15°56	15°35	4° 5	5°13	6°52	24°37	21°48	0°16	6°12	4°54	13°25	n.a.	M28
T 29	20 10 34	0♌57'29	5♎46	15°D55	16°22	4°43	5°R13	7° 0	24°40	21°49	0°17	6° 7	4°51	13°32	n.a.	T 29
W30	20 14 31	1°55'31	17°53	16° 3	17°10	5°20	5°13	7° 7	24°43	21°51	0°17	6° 4	4°48	13°38	n.a.	W30
T 31	20 18 27	2♌53'34	29♎49	16♋19	17♊59	5♊58	5♈13	7♌15	24♊46	21♊53	0♏18	6°D 2	4♊45	13♏45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n40	5n24	4n55	18n24	2s28	15n38	5s17	16n37	0s23	0n15	1s27	20n48	1n16	23n47	0n15	22n33	0s52	0n43	13n15	21n49	21n37	12s59			n.a.
W 2	23 38	0 6	4 26	18 8	2 42	15 38	5 18	16 49	0 22	0 17	1 28	20 47	1 16	23 47	0 15	22 33	0 52	0 42	13 15	21 49	21 37	13 2			n.a.
T 3	23 35	5s 7	3 45	17 52	2 54	15 40	5 19	17 1	0 22	0 18	1 28	20 45	1 16	23 48	0 15	22 33	0 52	0 42	13 14	21 49	21 36	13 5			n.a.
F 4	23 32	10 8	2 55	17 38	3 7	15 41	5 20	17 13	0 21	0 20	1 28	20 44	1 16	23 48	0 15	22 33	0 52	0 42	13 14	21 49	21 36	13 8			n.a.
S 5	23 29	14 47	1 58	17 26	3 20	15 44	5 20	17 25	0 20	0 22	1 28	20 42	1 16	23 48	0 15	22 33	0 52	0 41	13 13	21 49	21 35	13 10			n.a.
S 6	23 26	18 54	0 56	17 15	3 32	15 47	5 20	17 36	0 20	0 23	1 29	20 40	1 16	23 48	0 15	22 33	0 52	0 41	13 13	21 50	21 35	13 13			n.a.
M 7	23 21	22 17	0s10	17 5	3 43	15 51	5 20	17 48	0 19	0 25	1 29	20 38	1 16	23 48	0 15	22 34	0 52	0 41	13 12	21 50	21 34	13 16			n.a.
T 8	23 17	24 42	1 16	16 57	3 54	15 55	5 19	17 59	0 18	0 26	1 29	20 37	1 16	23 49	0 15	22 34	0 52	0 40	13 12	21 50	21 33	13 19			n.a.
W 9	23 12	25 59	2 19	16 51	4 4	16 0	5 18	18 10	0 17	0 28	1 29	20 35	1 16	23 49	0 15	22 34	0 52	0 40	13 11	21 49	21 33	13 22			n.a.
T 10	23 7	25 56	3 16	16 47	4 13	16 6	5 17	18 21	0 17	0 29	1 30	20 33	1 16	23 49	0 15	22 34	0 52	0 39	13 11	21 48	21 32	13 25			n.a.
F 11	23 1	24 31	4 5	16 45	4 21	16 12	5 15	18 32	0 16	0 30	1 30	20 32	1 16	23 49	0 15	22 34	0 52	0 39	13 10	21 48	21 32	13 27			n.a.
S 12	22 55	21 46	4 42	16 45	4 28	16 18	5 14	18 42	0 15	0 31	1 30	20 30	1 16	23 49	0 15	22 34	0 52	0 39	13 10	21 47	21 31	13 30			n.a.
S 13	22 48	17 50	5 4	16 46	4 33	16 25	5 12	18 53	0 14	0 32	1 31	20 28	1 16	23 49	0 15	22 34	0 52	0 38	13 9	21 46	21 31	13 33			n.a.
M14	22 41	12 57	5 10	16 50	4 37	16 33	5 10	19 3	0 14	0 33	1 31	20 26	1 16	23 50	0 15	22 35	0 52	0 38	13 9	21 45	21 30	13 36			n.a.
T 15	22 34	7 21	4 58	16 56	4 40	16 40	5 7	19 13	0 13	0 34	1 31	20 25	1 16	23 50	0 15	22 35	0 52	0 37	13 8	21 44	21 30	13 39			n.a.
W16	22 26	1 20	4 29	17 4	4 40	16 48	5 5	19 23	0 12	0 35	1 31	20 23	1 16	23 50	0 15	22 35	0 52	0 37	13 8	21 44	21 29	13 42			n.a.
T 17	22 18	4n50	3 43	17 13	4 39	16 56	5 2	19 33	0 11	0 36	1 32	20 21	1 16	23 50	0 15	22 35	0 52	0 36	13 7	21 44	21 28	13 44			n.a.
F 18	22 10	10 49	2 44	17 25	4 35	17 5	4 59	19 43	0 11	0 37	1 32	20 19	1 16	23 50	0 15	22 35	0 52	0 36	13 7	21 44	21 28	13 47			n.a.
S 19	22 1	16 17	1 34	17 38	4 30	17 13	4 56	19 52	0 10	0 37	1 32	20 17	1 17	23 51	0 15	22 35	0 52	0 35	13 6	21 44	21 27	13 50			n.a.
S 20	21 52	20 52	0 17	17 52	4 23	17 22	4 53	20 2	0 9	0 38	1 32	20 16	1 17	23 51	0 15	22 35	0 52	0 35	13 6	21 44	21 27	13 53			n.a.
M21	21 42	24 11	1n 0	18 7	4 15	17 31	4 49	20 11	0 8	0 38	1 33	20 14	1 17	23 51	0 15	22 35	0 52	0 34	13 5	21 44	21 26	13 56			n.a.
T 22	21 32	25 55	2 13	18 24	4 4	17 40	4 46	20 20	0 7	0 38	1 33	20 12	1 17	23 51	0 15	22 36	0 52	0 34	13 5	21 43	21 26	13 58			n.a.
W23	21 21	25 56	3 17	18 41	3 52	17 49	4 42	20 29	0 7	0 39	1 33	20 10	1 17	23 51	0 15	22 36	0 52	0 33	13 4	21 43	21 25	14 1			n.a.
T 24	21 11	24 18	4 8	18 59	3 38	17 59	4 38	20 37	0 6	0 39	1 34	20 8	1 17	23 51	0 15	22 36	0 52	0 32	13 4	21 42	21 24	14 4			n.a.
F 25	20 59	21 15	4 44	19 17	3 24	18 8	4 34	20 46	0 5	0 39	1 34	20 6	1 17	23 51	0 15	22 36	0 52	0 32	13 3	21 40	21 24	14 7			n.a.
S 26	20 48	17 9	5 3	19 36	3 8	18 17	4 30	20 54	0 4	0 39	1 34	20 5	1 17	23 52	0 15	22 36	0 52	0 31	13 2	21 39	21 23	14 10			n.a.
S 27	20 36	12 20	5 6	19 54	2 52	18 26	4 26	21 3	0 3	0 39	1 34	20 3	1 17	23 52	0 15	22 36	0 52	0 31	13 2	21 37	21 23	14 12			n.a.
M28	20 24	7 7	4 53	20 12	2 34	18 36	4 22	21 11	0 2	0 39	1 35	20 1	1 17	23 52	0 15	22 36	0 52	0 30	13 1	21 36	21 22	14 15			n.a.
T 29	20 11	1 45	4 27	20 30	2 17	18 45	4 18	21 18	0 2	0 39	1 35	19 59	1 17	23 52	0 15	22 36	0 52	0 29	13 1	21 35	21 21	14 18			n.a.
W30	19 58	3s34	3 49	20 47	1 59	18 54	4 13	21 26	0 1	0 39	1 35	19 57	1 17	23 52	0 15	22 36	0 52	0 29	13 0	21 35	21 21	14 21			n.a.
T 31	19n45	8s42	3n 2	21n 2	1s41	19n 3	4s 9	21n34	0n 0	0n38	1s36	19n55	1n17	23n52	0n15	22n37	0s52	0n28	13n 0	21n34	21n20	14s24			n.a.

Julian Day Number = 1636866.5, Delta T = 03h38m40s
Ecliptic obliquity = 23°43'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'57, Lahiri = - 7°08'56 Julian Calendar 1 July 232 BCE == Greg. Calendar 27 June 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

AUGUST 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 22 24	3♌51'39	11♏39	16♋43	18♊48	6♊35	5°R13	7♌23	24♊49	21♊55	0♏18	6♊ 3	4♊41	13♏52	n.a.	F 1
S 2	20 26 20	4°49'46	23°28	17°15	19°38	7°13	5♈12	7°30	24°52	21°57	0°19	6° 4	4°38	13°58	n.a.	S 2
S 3	20 30 17	5°47'54	5♐22	17°55	20°29	7°50	5°11	7°38	24°55	21°58	0°19	6°R 4	4°35	14° 5	n.a.	S 3
M 4	20 34 13	6°46'04	17°26	18°43	21°20	8°27	5°10	7°45	24°58	22° 0	0°20	6° 3	4°32	14°12	n.a.	M 4
T 5	20 38 10	7°44'15	29°43	19°39	22°12	9° 4	5° 9	7°53	25° 1	22° 2	0°21	6° 1	4°29	14°18	n.a.	T 5
W 6	20 42 6	8°42'29	12♑18	20°42	23° 5	9°41	5° 8	8° 0	25° 4	22° 3	0°22	5°56	4°25	14°25	n.a.	W 6
T 7	20 46 3	9°40'44	25°11	21°52	23°59	10°18	5° 6	8° 8	25° 7	22° 5	0°22	5°48	4°22	14°32	n.a.	T 7
F 8	20 50 0	10°39'00	8♒23	23° 8	24°53	10°55	5° 4	8°15	25°10	22° 7	0°23	5°39	4°19	14°38	n.a.	F 8
S 9	20 53 56	11°37'19	21°53	24°29	25°47	11°32	5° 2	8°23	25°12	22° 8	0°24	5°28	4°16	14°45	n.a.	S 9
S 10	20 57 53	12°35'40	5♓38	25°56	26°42	12° 8	5° 0	8°30	25°15	22°10	0°25	5°17	4°13	14°52	n.a.	S 10
M11	21 1 49	13°34'02	19°35	27°28	27°38	12°45	4°58	8°38	25°18	22°11	0°26	5° 7	4°10	14°58	n.a.	M11
T 12	21 5 46	14°32'27	3♈39	29° 3	28°34	13°21	4°55	8°45	25°21	22°13	0°26	5° 0	4° 6	15° 5	n.a.	T 12
W13	21 9 42	15°30'54	17°47	0♌43	29°31	13°57	4°52	8°53	25°23	22°14	0°27	4°54	4° 3	15°12	n.a.	W13
T 14	21 13 39	16°29'23	1♉56	2°25	0♋28	14°34	4°49	9° 0	25°26	22°16	0°28	4°52	4° 0	15°18	n.a.	T 14
F 15	21 17 35	17°27'55	16° 5	4°10	1°26	15°10	4°46	9° 8	25°28	22°17	0°29	4°D51	3°57	15°25	n.a.	F 15
S 16	21 21 32	18°26'29	0♊11	5°57	2°24	15°46	4°43	9°15	25°31	22°19	0°30	4°R51	3°54	15°31	n.a.	S 16
S 17	21 25 29	19°25'05	14°13	7°46	3°23	16°22	4°39	9°23	25°34	22°20	0°31	4°51	3°51	15°38	n.a.	S 17
M18	21 29 25	20°23'44	28°12	9°36	4°22	16°57	4°35	9°30	25°36	22°21	0°33	4°49	3°47	15°45	n.a.	M18
T 19	21 33 22	21°22'25	12♋ 6	11°27	5°22	17°33	4°31	9°38	25°38	22°23	0°34	4°45	3°44	15°51	n.a.	T 19
W20	21 37 18	22°21'08	25°52	13°18	6°22	18° 9	4°27	9°45	25°41	22°24	0°35	4°38	3°41	15°58	n.a.	W20
T 21	21 41 15	23°19'54	9♌28	15°10	7°22	18°44	4°23	9°52	25°43	22°25	0°36	4°28	3°38	16° 5	n.a.	T 21
F 22	21 45 11	24°18'41	22°51	17° 2	8°23	19°19	4°19	10° 0	25°45	22°27	0°37	4°16	3°35	16°11	n.a.	F 22
S 23	21 49 8	25°17'31	5♍59	18°53	9°24	19°55	4°14	10° 7	25°48	22°28	0°38	4° 3	3°31	16°18	n.a.	S 23
S 24	21 53 4	26°16'23	18°51	20°45	10°25	20°30	4° 9	10°15	25°50	22°29	0°40	3°50	3°28	16°25	n.a.	S 24
M25	21 57 1	27°15'16	1♎25	22°36	11°27	21° 5	4° 4	10°22	25°52	22°30	0°41	3°39	3°25	16°31	n.a.	M25
T 26	22 0 58	28°14'12	13°43	24°26	12°29	21°39	3°59	10°29	25°54	22°31	0°42	3°30	3°22	16°38	n.a.	T 26
W27	22 4 54	29°13'09	25°47	26°16	13°32	22°14	3°54	10°36	25°56	22°33	0°44	3°24	3°19	16°45	n.a.	W27
T 28	22 8 51	0♍12'09	7♏41	28° 5	14°35	22°49	3°48	10°44	25°58	22°34	0°45	3°20	3°16	16°51	n.a.	T 28
F 29	22 12 47	1°11'10	19°30	29°54	15°38	23°23	3°42	10°51	26° 0	22°35	0°47	3°19	3°12	16°58	n.a.	F 29
S 30	22 16 44	2°10'14	1♐18	1♍42	16°41	23°57	3°37	10°58	26° 2	22°36	0°48	3°18	3° 9	17° 5	n.a.	S 30
S 31	22 20 40	3♍ 9'19	13♐12	3♍28	17♋45	24♊32	3♈31	11♌ 5	26♊ 4	22♊37	0♏49	3♊18	3♊ 6	17♏11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n31	13s30	2n 7	21n17	1s24	19n11	4s 4	21n41	0n 1	0n38	1s36	19n53	1n17	23n52	0n15	22n37	0s52	0n27	12n59	21n34	21n20	14s26		n.a.
S 2	19 17	17 47	1 7	21 30	1 6	19 20	3 59	21 48	0 2	0 37	1 36	19 51	1 17	23 53	0 15	22 37	0 52	0 27	12 59	21 35	21 19	14 29		n.a.
S 3	19 3	21 23	0 4	21 42	0 49	19 29	3 55	21 55	0 3	0 37	1 36	19 50	1 17	23 53	0 15	22 37	0 52	0 26	12 58	21 35	21 19	14 32		n.a.
M 4	18 48	24 7	1s 0	21 51	0 33	19 37	3 50	22 2	0 4	0 36	1 37	19 48	1 17	23 53	0 15	22 37	0 52	0 25	12 58	21 34	21 18	14 35		n.a.
T 5	18 33	25 46	2 3	21 59	0 17	19 45	3 45	22 9	0 4	0 35	1 37	19 46	1 17	23 53	0 15	22 37	0 52	0 25	12 57	21 34	21 17	14 37		n.a.
W 6	18 18	26 9	3 1	22 5	0 2	19 53	3 40	22 15	0 5	0 35	1 37	19 44	1 18	23 53	0 15	22 37	0 52	0 24	12 57	21 33	21 17	14 40		n.a.
T 7	18 2	25 8	3 51	22 8	0n12	20 0	3 35	22 22	0 6	0 34	1 37	19 42	1 18	23 53	0 15	22 37	0 52	0 23	12 56	21 32	21 16	14 43		n.a.
F 8	17 46	22 43	4 29	22 8	0 26	20 7	3 30	22 28	0 7	0 33	1 38	19 40	1 18	23 53	0 15	22 37	0 52	0 22	12 56	21 30	21 16	14 46		n.a.
S 9	17 30	19 0	4 54	22 6	0 38	20 14	3 25	22 34	0 8	0 32	1 38	19 38	1 18	23 54	0 15	22 37	0 52	0 22	12 55	21 28	21 15	14 48		n.a.
S 10	17 14	14 14	5 3	22 1	0 49	20 21	3 20	22 40	0 9	0 31	1 38	19 36	1 18	23 54	0 15	22 37	0 52	0 21	12 55	21 26	21 14	14 51		n.a.
M11	16 57	8 39	4 53	21 53	1 0	20 27	3 15	22 45	0 10	0 29	1 38	19 34	1 18	23 54	0 15	22 38	0 52	0 20	12 54	21 24	21 14	14 54		n.a.
T 12	16 40	2 35	4 26	21 43	1 9	20 33	3 10	22 51	0 11	0 28	1 39	19 32	1 18	23 54	0 15	22 38	0 52	0 19	12 54	21 23	21 13	14 57		n.a.
W13	16 23	3n38	3 42	21 30	1 17	20 39	3 4	22 56	0 12	0 27	1 39	19 30	1 18	23 54	0 15	22 38	0 52	0 19	12 53	21 22	21 13	15 0		n.a.
T 14	16 5	9 42	2 45	21 14	1 25	20 44	2 59	23 2	0 13	0 25	1 39	19 28	1 18	23 54	0 15	22 38	0 52	0 18	12 53	21 22	21 12	15 2		n.a.
F 15	15 47	15 17	1 38	20 55	1 31	20 49	2 54	23 7	0 14	0 24	1 39	19 27	1 18	23 54	0 15	22 38	0 52	0 17	12 52	21 21	21 11	15 5		n.a.
S 16	15 29	20 2	0 25	20 34	1 36	20 54	2 49	23 12	0 14	0 22	1 40	19 25	1 18	23 54	0 15	22 38	0 52	0 16	12 52	21 22	21 11	15 8		n.a.
S 17	15 10	23 36	0n50	20 10	1 41	20 58	2 43	23 16	0 15	0 21	1 40	19 23	1 18	23 54	0 16	22 38	0 52	0 15	12 51	21 21	21 10	15 11		n.a.
M18	14 52	25 43	2 0	19 44	1 44	21 1	2 38	23 21	0 16	0 19	1 40	19 21	1 19	23 55	0 16	22 38	0 52	0 15	12 51	21 21	21 10	15 13		n.a.
T 19	14 33	26 13	3 4	19 16	1 47	21 4	2 33	23 25	0 17	0 17	1 40	19 19	1 19	23 55	0 16	22 38	0 52	0 14	12 50	21 20	21 9	15 16		n.a.
W20	14 14	25 4	3 55	18 46	1 49	21 7	2 27	23 29	0 18	0 15	1 41	19 17	1 19	23 55	0 16	22 38	0 52	0 13	12 50	21 19	21 8	15 19		n.a.
T 21	13 54	22 28	4 33	18 14	1 50	21 9	2 22	23 34	0 19	0 13	1 41	19 15	1 19	23 55	0 16	22 38	0 52	0 12	12 49	21 17	21 8	15 21		n.a.
F 22	13 35	18 41	4 55	17 40	1 50	21 11	2 17	23 38	0 20	0 11	1 41	19 13	1 19	23 55	0 16	22 38	0 52	0 11	12 49	21 15	21 7	15 24		n.a.
S 23	13 15	14 4	5 0	17 5	1 50	21 12	2 11	23 41	0 21	0 9	1 41	19 11	1 19	23 55	0 16	22 38	0 52	0 10	12 48	21 13	21 7	15 27		n.a.
S 24	12 55	8 54	4 50	16 28	1 49	21 13	2 6	23 45	0 22	0 7	1 41	19 9	1 19	23 55	0 16	22 38	0 52	0 9	12 48	21 10	21 6	15 30		n.a.
M25	12 34	3 30	4 26	15 50	1 47	21 13	2 1	23 48	0 23	0 5	1 42	19 7	1 19	23 55	0 16	22 38	0 52	0 9	12 48	21 8	21 5	15 32		n.a.
T 26	12 14	1s56	3 50	15 11	1 45	21 13	1 55	23 52	0 24	0 3	1 42	19 5	1 19	23 55	0 16	22 39	0 52	0 8	12 47	21 6	21 5	15 35		n.a.
W27	11 53	7 13	3 5	14 31	1 43	21 12	1 50	23 55	0 25	0 0	1 42	19 4	1 19	23 55	0 16	22 39	0 52	0 7	12 47	21 5	21 4	15 38		n.a.
T 28	11 32	12 10	2 11	13 50	1 40	21 11	1 45	23 58	0 26	0s 2	1 42	19 2	1 20	23 55	0 16	22 39	0 52	0 6	12 46	21 4	21 3	15 41		n.a.
F 29	11 11	16 39	1 12	13 9	1 36	21 9	1 40	24 1	0 27	0 4	1 42	19 0	1 20	23 56	0 16	22 39	0 52	0 5	12 46	21 4	21 3	15 43		n.a.
S 30	10 50	20 30	0 11	12 26	1 33	21 6	1 34	24 3	0 28	0 7	1 43	18 58	1 20	23 56	0 16	22 39	0 52	0 4	12 45	21 4	21 2	15 46		n.a.
S 31	10n28	23s31	0s52	11n43	1n28	21n 3	1s29	24n 6	0n29	0s 9	1s43	18n56	1n20	23n56	0n16	22n39	0s52	0n 3	12n45	21n 4	21n 2	15s49		n.a.

Julian Day Number = 1636897.5, Delta T = 03h38m39s
Ecliptic obliquity = 23°43'28, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'52, Lahiri = - 7°08'52 Julian Calendar 1 Aug. 232 BCE == Greg. Calendar 28 July 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

SEPTEMBER 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 24 37	4♍ 8'26	25♐16	5♍15	18♋49	25♊ 6	3°R25	11♌13	26♊ 6	22♊38	0♏51	3°R17	3♊ 3	17♏18	n.a.	M 1
T 2	22 28 33	5° 7'35	7♑36	7° 0	19°53	25°40	3♈18	11°20	26° 8	22°39	0°52	3♊14	3° 0	17°25	n.a.	T 2
W 3	22 32 30	6° 6'46	20°16	8°44	20°58	26°13	3°12	11°27	26°10	22°40	0°54	3° 8	2°57	17°31	n.a.	W 3
T 4	22 36 27	7° 5'59	3♒19	10°28	22° 3	26°47	3° 6	11°34	26°11	22°40	0°56	3° 0	2°53	17°38	n.a.	T 4
F 5	22 40 23	8° 5'14	16°46	12°11	23° 8	27°21	2°59	11°41	26°13	22°41	0°57	2°50	2°50	17°45	n.a.	F 5
S 6	22 44 20	9° 4'31	0♓36	13°52	24°14	27°54	2°52	11°48	26°15	22°42	0°59	2°38	2°47	17°51	n.a.	S 6
S 7	22 48 16	10° 3'49	14°45	15°34	25°19	28°27	2°45	11°55	26°16	22°43	1° 1	2°26	2°44	17°58	n.a.	S 7
M 8	22 52 13	11° 3'11	29° 9	17°14	26°25	29° 0	2°38	12° 2	26°18	22°44	1° 2	2°15	2°41	18° 4	n.a.	M 8
T 9	22 56 9	12° 2'34	13♈40	18°53	27°31	29°33	2°31	12° 9	26°19	22°44	1° 4	2° 6	2°37	18°11	n.a.	T 9
W10	23 0 6	13° 1'59	28°12	20°32	28°38	0♋ 6	2°24	12°15	26°21	22°45	1° 6	1°59	2°34	18°18	n.a.	W10
T 11	23 4 2	14° 1'27	12♉39	22°10	29°44	0°39	2°17	12°22	26°22	22°46	1° 7	1°56	2°31	18°24	n.a.	T 11
F 12	23 7 59	15° 0'58	26°58	23°48	0♌51	1°11	2° 9	12°29	26°23	22°46	1° 9	1°D55	2°28	18°31	n.a.	F 12
S 13	23 11 55	16° 0'31	11♊ 6	25°24	1°59	1°44	2° 2	12°36	26°25	22°47	1°11	1°R55	2°25	18°38	n.a.	S 13
S 14	23 15 52	17° 0'06	25° 3	27° 0	3° 6	2°16	1°54	12°42	26°26	22°47	1°13	1°55	2°22	18°44	n.a.	S 14
M15	23 19 49	17°59'44	8♋48	28°35	4°14	2°48	1°46	12°49	26°27	22°48	1°15	1°53	2°18	18°51	n.a.	M15
T 16	23 23 45	18°59'25	22°22	0♎10	5°21	3°20	1°39	12°56	26°28	22°48	1°17	1°49	2°15	18°58	n.a.	T 16
W17	23 27 42	19°59'07	5♌46	1°44	6°29	3°52	1°31	13° 2	26°29	22°49	1°18	1°43	2°12	19° 4	n.a.	W17
T 18	23 31 38	20°58'52	18°58	3°17	7°37	4°23	1°23	13° 9	26°30	22°49	1°20	1°33	2° 9	19°11	n.a.	T 18
F 19	23 35 35	21°58'39	1♍58	4°50	8°46	4°55	1°15	13°15	26°31	22°50	1°22	1°22	2° 6	19°18	n.a.	F 19
S 20	23 39 31	22°58'29	14°46	6°22	9°54	5°26	1° 7	13°22	26°32	22°50	1°24	1° 9	2° 2	19°24	n.a.	S 20
S 21	23 43 28	23°58'20	27°22	7°53	11° 3	5°57	0°59	13°28	26°33	22°50	1°26	0°57	1°59	19°31	n.a.	S 21
M22	23 47 24	24°58'13	9♎44	9°24	12°12	6°28	0°51	13°34	26°34	22°51	1°28	0°46	1°56	19°38	n.a.	M22
T 23	23 51 21	25°58'09	21°54	10°55	13°21	6°58	0°43	13°40	26°35	22°51	1°30	0°37	1°53	19°44	n.a.	T 23
W24	23 55 18	26°58'06	3♏53	12°24	14°30	7°29	0°35	13°47	26°35	22°51	1°32	0°31	1°50	19°51	n.a.	W24
T 25	23 59 14	27°58'05	15°44	13°53	15°40	7°59	0°27	13°53	26°36	22°51	1°34	0°27	1°47	19°57	n.a.	T 25
F 26	0 3 11	28°58'06	27°31	15°22	16°50	8°29	0°18	13°59	26°37	22°51	1°36	0°D26	1°43	20° 4	n.a.	F 26
S 27	0 7 7	29°58'09	9♐17	16°49	17°59	8°59	0°10	14° 5	26°37	22°52	1°39	0°26	1°40	20°11	n.a.	S 27
S 28	0 11 4	0♎58'14	21° 9	18°17	19° 9	9°29	0° 2	14°11	26°38	22°52	1°41	0°27	1°37	20°17	n.a.	S 28
M29	0 15 0	1°58'20	3♑11	19°43	20°19	9°58	29♓54	14°17	26°38	22°52	1°43	0°R28	1°34	20°24	n.a.	M29
T 30	0 18 57	2♎58'28	15♑28	21♎ 9	21♌29	10♋27	29♓46	14♌22	26♊39	22°R52	1♏45	0♊27	1♊31	20♏31	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n 6	25s32	1s54	11n 0	1n24	21n 0	1s24	24n 8	0n30	0s12	1s43	18n54	1n20	23n56	0n16	22n39	0s52	0n 2	12n44	21n 4	21n 1	15s51		n.a.
T 2	9 45	26 21	2 51	10 16	1 19	20 56	1 19	24 11	0 31	0 15	1 43	18 52	1 20	23 56	0 16	22 39	0 52	0 1	12 44	21 3	21 0	15 54		n.a.
W 3	9 23	25 49	3 41	9 32	1 14	20 51	1 14	24 13	0 33	0 17	1 43	18 50	1 20	23 56	0 16	22 39	0 52	0 0	12 44	21 2	21 0	15 57		n.a.
T 4	9 0	23 53	4 22	8 47	1 9	20 46	1 9	24 15	0 34	0 20	1 43	18 48	1 20	23 56	0 16	22 39	0 52	0s 0	12 43	21 0	20 59	15 59		n.a.
F 5	8 38	20 35	4 49	8 3	1 3	20 40	1 4	24 17	0 35	0 23	1 43	18 47	1 21	23 56	0 16	22 39	0 52	0 1	12 43	20 58	20 59	16 2		n.a.
S 6	8 16	16 4	5 0	7 18	0 57	20 34	0 59	24 18	0 36	0 26	1 44	18 45	1 21	23 56	0 16	22 39	0 52	0 2	12 42	20 56	20 58	16 5		n.a.
S 7	7 53	10 34	4 54	6 33	0 51	20 27	0 54	24 20	0 37	0 28	1 44	18 43	1 21	23 56	0 16	22 39	0 52	0 3	12 42	20 54	20 57	16 8		n.a.
M 8	7 30	4 26	4 29	5 48	0 45	20 19	0 49	24 21	0 38	0 31	1 44	18 41	1 21	23 56	0 16	22 39	0 52	0 4	12 42	20 51	20 57	16 10		n.a.
T 9	7 8	2n 0	3 46	5 3	0 39	20 11	0 44	24 23	0 39	0 34	1 44	18 39	1 21	23 56	0 16	22 39	0 52	0 5	12 41	20 50	20 56	16 13		n.a.
W10	6 45	8 20	2 48	4 18	0 33	20 3	0 39	24 24	0 40	0 37	1 44	18 37	1 21	23 56	0 16	22 39	0 52	0 6	12 41	20 48	20 55	16 16		n.a.
T 11	6 21	14 14	1 40	3 33	0 26	19 53	0 34	24 25	0 41	0 40	1 44	18 36	1 21	23 56	0 16	22 39	0 52	0 7	12 40	20 48	20 55	16 18		n.a.
F 12	5 58	19 17	0 26	2 48	0 20	19 43	0 30	24 26	0 43	0 43	1 44	18 34	1 22	23 57	0 16	22 39	0 53	0 8	12 40	20 48	20 54	16 21		n.a.
S 13	5 35	23 10	0n49	2 3	0 13	19 33	0 25	24 26	0 44	0 47	1 44	18 32	1 22	23 57	0 16	22 39	0 53	0 9	12 40	20 48	20 53	16 24		n.a.
S 14	5 12	25 37	1 59	1 18	0 6	19 22	0 20	24 27	0 45	0 50	1 44	18 30	1 22	23 57	0 16	22 39	0 53	0 10	12 39	20 47	20 53	16 26		n.a.
M15	4 48	26 28	3 2	0 34	0s 0	19 11	0 16	24 28	0 46	0 53	1 44	18 28	1 22	23 57	0 16	22 39	0 53	0 11	12 39	20 47	20 52	16 29		n.a.
T 16	4 24	25 41	3 54	0s11	0 7	18 58	0 11	24 28	0 47	0 56	1 44	18 27	1 22	23 57	0 16	22 39	0 53	0 12	12 39	20 46	20 52	16 32		n.a.
W17	4 1	23 27	4 32	0 55	0 14	18 46	0 7	24 28	0 48	0 59	1 44	18 25	1 22	23 57	0 16	22 39	0 53	0 13	12 38	20 45	20 51	16 34		n.a.
T 18	3 37	19 58	4 55	1 38	0 21	18 33	0 2	24 29	0 50	1 2	1 45	18 23	1 22	23 57	0 16	22 39	0 53	0 14	12 38	20 43	20 50	16 37		n.a.
F 19	3 13	15 35	5 2	2 22	0 28	18 19	0n 2	24 29	0 51	1 6	1 45	18 21	1 23	23 57	0 16	22 39	0 53	0 15	12 37	20 41	20 50	16 40		n.a.
S 20	2 49	10 34	4 54	3 5	0 35	18 5	0 6	24 29	0 52	1 9	1 45	18 20	1 23	23 57	0 16	22 39	0 53	0 16	12 37	20 38	20 49	16 42		n.a.
S 21	2 25	5 12	4 31	3 48	0 41	17 50	0 10	24 29	0 53	1 12	1 45	18 18	1 23	23 57	0 16	22 39	0 53	0 17	12 37	20 36	20 48	16 45		n.a.
M22	2 1	0s17	3 56	4 30	0 48	17 34	0 14	24 28	0 55	1 15	1 45	18 16	1 23	23 57	0 16	22 39	0 53	0 18	12 36	20 33	20 48	16 47		n.a.
T 23	1 37	5 41	3 10	5 12	0 55	17 18	0 19	24 28	0 56	1 19	1 45	18 15	1 23	23 57	0 16	22 39	0 53	0 19	12 36	20 31	20 47	16 50		n.a.
W24	1 13	10 49	2 17	5 54	1 2	17 2	0 23	24 28	0 57	1 22	1 45	18 13	1 23	23 57	0 16	22 39	0 53	0 20	12 36	20 30	20 46	16 53		n.a.
T 25	0 49	15 30	1 18	6 35	1 8	16 45	0 26	24 27	0 58	1 25	1 45	18 11	1 24	23 57	0 16	22 39	0 53	0 21	12 36	20 29	20 46	16 55		n.a.
F 26	0 25	19 35	0 16	7 16	1 15	16 28	0 30	24 26	1 0	1 28	1 45	18 10	1 24	23 57	0 16	22 39	0 53	0 22	12 35	20 29	20 45	16 58		n.a.
S 27	0 1	22 53	0s47	7 56	1 21	16 10	0 34	24 26	1 1	1 32	1 44	18 8	1 24	23 57	0 16	22 39	0 53	0 23	12 35	20 29	20 44	17 1		n.a.
S 28	0s23	25 14	1 49	8 36	1 28	15 51	0 38	24 25	1 2	1 35	1 44	18 7	1 24	23 57	0 16	22 39	0 53	0 24	12 35	20 29	20 44	17 3		n.a.
M29	0 48	26 27	2 46	9 15	1 34	15 32	0 41	24 24	1 4	1 38	1 44	18 5	1 24	23 57	0 16	22 39	0 53	0 25	12 34	20 29	20 43	17 6		n.a.
T 30	1s12	26s25	3s37	9s53	1s40	15n13	0n45	24n23	1n 5	1s41	1s44	18n 3	1n24	23n57	0n17	22n39	0s53	0s26	12n34	20n29	20n43	17s 9		n.a.

Julian Day Number = 1636928.5, Delta T = 03h38m38s
Ecliptic obliquity = 23°43'28, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'48, Lahiri = - 7°08'48 Julian Calendar 1 Sept. 232 BCE == Greg. Calendar 28 Aug. 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

OCTOBER 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 22 53	3♎58'38	28♉ 7	22♎34	22♌40	10♋56	29°R38	14♌28	26♊39	22°R52	1♏47	0°R24	1♊28	20♏37	n.a.	W 1
T 2	0 26 50	4°58'49	11♒10	23°59	23°50	11°25	29♓30	14°34	26°39	22♊52	1°49	0♊19	1°24	20°44	n.a.	T 2
F 3	0 30 46	5°59'02	24°41	25°22	25° 1	11°54	29°22	14°40	26°39	22°51	1°51	0°12	1°21	20°51	n.a.	F 3
S 4	0 34 43	6°59'17	8♓39	26°45	26°12	12°22	29°14	14°45	26°39	22°51	1°54	0° 3	1°18	20°57	n.a.	S 4
S 5	0 38 40	7°59'33	23° 2	28° 7	27°23	12°50	29° 6	14°51	26°40	22°51	1°56	29♉54	1°15	21° 4	n.a.	S 5
M 6	0 42 36	8°59'51	7♈44	29°28	28°34	13°18	28°58	14°56	26°R40	22°51	1°58	29°46	1°12	21°11	n.a.	M 6
T 7	0 46 33	10° 0'11	22°39	0♏47	29°45	13°46	28°50	15° 1	26°40	22°51	2° 0	29°40	1° 8	21°17	n.a.	T 7
W 8	0 50 29	11° 0'33	7♉36	2° 6	0♍56	14°13	28°42	15° 7	26°40	22°50	2° 3	29°36	1° 5	21°24	n.a.	W 8
T 9	0 54 26	12° 0'57	22°27	3°23	2° 7	14°40	28°34	15°12	26°39	22°50	2° 5	29°34	1° 2	21°31	n.a.	T 9
F 10	0 58 22	13° 1'22	7♊ 7	4°39	3°19	15° 7	28°27	15°17	26°39	22°50	2° 7	29°D34	0°59	21°37	n.a.	F 10
S 11	1 2 19	14° 1'50	21°30	5°53	4°31	15°34	28°19	15°22	26°39	22°49	2° 9	29°35	0°56	21°44	n.a.	S 11
S 12	1 6 15	15° 2'20	5♋34	7° 5	5°42	16° 1	28°12	15°27	26°39	22°49	2°12	29°36	0°53	21°50	n.a.	S 12
M13	1 10 12	16° 2'52	19°19	8°16	6°54	16°27	28° 4	15°32	26°38	22°49	2°14	29°R36	0°49	21°57	n.a.	M13
T 14	1 14 9	17° 3'26	2♌45	9°24	8° 6	16°53	27°57	15°37	26°38	22°48	2°16	29°35	0°46	22° 4	n.a.	T 14
W15	1 18 5	18° 4'02	15°55	10°29	9°18	17°18	27°50	15°42	26°38	22°48	2°19	29°32	0°43	22°10	n.a.	W15
T 16	1 22 2	19° 4'39	28°50	11°32	10°31	17°44	27°43	15°46	26°37	22°47	2°21	29°27	0°40	22°17	n.a.	T 16
F 17	1 25 58	20° 5'19	11♍31	12°31	11°43	18° 9	27°36	15°51	26°37	22°47	2°23	29°20	0°37	22°24	n.a.	F 17
S 18	1 29 55	21° 6'00	24° 0	13°26	12°55	18°33	27°29	15°56	26°36	22°46	2°26	29°13	0°33	22°30	n.a.	S 18
S 19	1 33 51	22° 6'42	6♎18	14°18	14° 8	18°58	27°22	16° 0	26°35	22°45	2°28	29° 6	0°30	22°37	n.a.	S 19
M20	1 37 48	23° 7'27	18°27	15° 4	15°20	19°22	27°15	16° 4	26°35	22°45	2°30	28°59	0°27	22°44	n.a.	M20
T 21	1 41 44	24° 8'12	0♏27	15°46	16°33	19°46	27° 9	16° 9	26°34	22°44	2°33	28°54	0°24	22°50	n.a.	T 21
W22	1 45 41	25° 9'00	12°20	16°21	17°46	20° 9	27° 3	16°13	26°33	22°43	2°35	28°51	0°21	22°57	n.a.	W22
T 23	1 49 38	26° 9'48	24° 8	16°49	18°59	20°32	26°56	16°17	26°32	22°43	2°37	28°D50	0°18	23° 4	n.a.	T 23
F 24	1 53 34	27°10'38	5♐54	17°11	20°12	20°55	26°50	16°21	26°31	22°42	2°40	28°50	0°14	23°10	n.a.	F 24
S 25	1 57 31	28°11'30	17°41	17°23	21°25	21°17	26°45	16°25	26°30	22°41	2°42	28°51	0°11	23°17	n.a.	S 25
S 26	2 1 27	29°12'22	29°32	17°R27	22°38	21°39	26°39	16°29	26°29	22°40	2°44	28°53	0° 8	23°24	n.a.	S 26
M27	2 5 24	0♏13'15	11♉33	17°21	23°51	22° 1	26°33	16°32	26°28	22°39	2°47	28°55	0° 5	23°30	n.a.	M27
T 28	2 9 20	1°14'10	23°48	17° 5	25° 4	22°22	26°28	16°36	26°27	22°38	2°49	28°56	0° 2	23°37	n.a.	T 28
W29	2 13 17	2°15'05	6♒21	16°37	26°17	22°43	26°23	16°40	26°26	22°37	2°52	28°R56	29♉59	23°43	n.a.	W29
T 30	2 17 13	3°16'01	19°18	15°59	27°31	23° 4	26°18	16°43	26°25	22°36	2°54	28°55	29°55	23°50	n.a.	T 30
F 31	2 21 10	4♏16'59	2♓42	15♏10	28♍44	23♋24	26♓13	16♌46	26♊23	22♊35	2♏56	28♉53	29♉52	23♏57	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	1s36	25s 1	4s20	10s31	1s46	14n53	0n48	24n22	1n 6	1s44	1s44	18n 2	1n25	23n57	0n17	22n39	0s53	0s27	12n34	20n29	20n42	17s11		n.a.	W 1
T 2	2 0	22 16	4 50	11 8	1 52	14 33	0 52	24 21	1 8	1 48	1 44	18 0	1 25	23 57	0 17	22 39	0 53	0 27	12 34	20 27	20 41	17 14		n.a.	T 2
F 3	2 24	18 14	5 5	11 44	1 57	14 12	0 55	24 20	1 9	1 51	1 44	17 59	1 25	23 57	0 17	22 39	0 53	0 28	12 33	20 26	20 41	17 16		n.a.	F 3
S 4	2 48	13 6	5 3	12 20	2 2	13 51	0 58	24 19	1 10	1 54	1 44	17 57	1 25	23 58	0 17	22 39	0 53	0 29	12 33	20 24	20 40	17 19		n.a.	S 4
S 5	3 12	7 6	4 42	12 55	2 8	13 29	1 1	24 17	1 12	1 57	1 44	17 56	1 25	23 58	0 17	22 39	0 53	0 30	12 33	20 22	20 39	17 22		n.a.	S 5
M 6	3 36	0 36	4 2	13 28	2 12	13 7	1 4	24 16	1 13	2 0	1 44	17 55	1 26	23 58	0 17	22 39	0 53	0 31	12 33	20 21	20 39	17 24		n.a.	M 6
T 7	4 0	6n 3	3 6	14 1	2 17	12 44	1 7	24 15	1 15	2 3	1 44	17 53	1 26	23 58	0 17	22 39	0 53	0 32	12 32	20 19	20 38	17 27		n.a.	T 7
W 8	4 24	12 23	1 56	14 33	2 21	12 22	1 10	24 13	1 16	2 6	1 44	17 52	1 26	23 58	0 17	22 39	0 53	0 33	12 32	20 18	20 37	17 29		n.a.	W 8
T 9	4 48	17 59	0 38	15 4	2 25	11 58	1 13	24 12	1 18	2 9	1 43	17 50	1 26	23 58	0 17	22 39	0 53	0 34	12 32	20 18	20 37	17 32		n.a.	T 9
F 10	5 12	22 26	0n41	15 33	2 29	11 35	1 15	24 10	1 19	2 12	1 43	17 49	1 26	23 58	0 17	22 39	0 53	0 35	12 32	20 18	20 36	17 35		n.a.	F 10
S 11	5 36	25 23	1 56	16 2	2 32	11 11	1 18	24 8	1 21	2 15	1 43	17 48	1 27	23 58	0 17	22 39	0 53	0 36	12 31	20 18	20 35	17 37		n.a.	S 11
S 12	6 0	26 39	3 2	16 29	2 35	10 46	1 20	24 7	1 22	2 18	1 43	17 46	1 27	23 58	0 17	22 39	0 53	0 37	12 31	20 18	20 35	17 40		n.a.	S 12
M13	6 23	26 13	3 57	16 54	2 37	10 22	1 23	24 5	1 24	2 21	1 43	17 45	1 27	23 58	0 17	22 39	0 53	0 38	12 31	20 18	20 34	17 42		n.a.	M13
T 14	6 47	24 16	4 37	17 18	2 39	9 57	1 25	24 3	1 25	2 23	1 43	17 44	1 27	23 58	0 17	22 39	0 53	0 39	12 31	20 18	20 33	17 45		n.a.	T 14
W15	7 10	21 2	5 1	17 40	2 40	9 31	1 27	24 1	1 27	2 26	1 42	17 43	1 27	23 58	0 17	22 39	0 53	0 40	12 31	20 17	20 33	17 47		n.a.	W15
T 16	7 33	16 51	5 10	18 1	2 41	9 5	1 29	24 0	1 28	2 29	1 42	17 41	1 28	23 58	0 17	22 38	0 53	0 41	12 31	20 16	20 32	17 50		n.a.	T 16
F 17	7 57	11 59	5 3	18 19	2 41	8 39	1 31	23 58	1 30	2 31	1 42	17 40	1 28	23 58	0 17	22 38	0 53	0 42	12 30	20 15	20 31	17 53		n.a.	F 17
S 18	8 20	6 43	4 42	18 36	2 40	8 13	1 33	23 56	1 32	2 34	1 42	17 39	1 28	23 58	0 17	22 38	0 53	0 43	12 30	20 13	20 31	17 55		n.a.	S 18
S 19	8 43	1 15	4 8	18 50	2 38	7 47	1 35	23 54	1 33	2 37	1 42	17 38	1 28	23 58	0 17	22 38	0 53	0 44	12 30	20 12	20 30	17 58		n.a.	S 19
M20	9 5	4s12	3 23	19 1	2 35	7 20	1 37	23 52	1 35	2 39	1 41	17 37	1 28	23 58	0 17	22 38	0 53	0 45	12 30	20 10	20 29	18 0		n.a.	M20
T 21	9 28	9 26	2 29	19 10	2 32	6 53	1 39	23 50	1 36	2 41	1 41	17 36	1 29	23 58	0 17	22 38	0 53	0 45	12 30	20 9	20 29	18 3		n.a.	T 21
W22	9 51	14 18	1 29	19 16	2 27	6 25	1 40	23 49	1 38	2 44	1 41	17 35	1 29	23 58	0 17	22 38	0 53	0 46	12 30	20 8	20 28	18 5		n.a.	W22
T 23	10 13	18 37	0 26	19 19	2 21	5 58	1 42	23 47	1 40	2 46	1 41	17 33	1 29	23 58	0 17	22 38	0 53	0 47	12 29	20 8	20 27	18 8		n.a.	T 23
F 24	10 35	22 11	0s39	19 18	2 14	5 30	1 43	23 45	1 42	2 48	1 40	17 32	1 29	23 58	0 17	22 38	0 53	0 48	12 29	20 8	20 27	18 10		n.a.	F 24
S 25	10 57	24 50	1 42	19 14	2 5	5 2	1 44	23 43	1 43	2 50	1 40	17 31	1 29	23 58	0 17	22 38	0 53	0 49	12 29	20 8	20 26	18 13		n.a.	S 25
S 26	11 19	26 24	2 41	19 5	1 55	4 34	1 45	23 41	1 45	2 52	1 40	17 31	1 30	23 58	0 17	22 38	0 53	0 50	12 29	20 9	20 25	18 15		n.a.	S 26
M27	11 41	26 46	3 34	18 52	1 44	4 6	1 46	23 39	1 47	2 54	1 40	17 30	1 30	23 58	0 17	22 38	0 53	0 51	12 29	20 9	20 25	18 18		n.a.	M27
T 28	12 3	25 50	4 18	18 35	1 30	3 37	1 47	23 38	1 49	2 56	1 39	17 29	1 30	23 58	0 17	22 38	0 53	0 52	12 29	20 10	20 24	18 20		n.a.	T 28
W29	12 24	23 36	4 51	18 12	1 15	3 9	1 48	23 36	1 50	2 58	1 39	17 28	1 30	23 58	0 17	22 38	0 53	0 53	12 29	20 10	20 23	18 23		n.a.	W29
T 30	12 45	20 7	5 11	17 46	0 59	2 40	1 49	23 34	1 52	3 0	1 39	17 27	1 31	23 58	0 17	22 38	0 53	0 53	12 29	20 9	20 23	18 26		n.a.	T 30
F 31	13s 6	15s30	5s14	17s14	0s41	2n11	1n50	23n33	1n54	3s 2	1s39	17n26	1n31	23n58	0n17	22n38	0s53	0s54	12n29	20n 9	20n22	18s28		n.a.	F 31

Julian Day Number = 1636958.5, Delta T = 03h38m37s
Ecliptic obliquity = 23°43'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'44, Lahiri = - 7°08'44 Julian Calendar 1 Oct. 232 BCE == Greg. Calendar 27 Sept. 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

NOVEMBER 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 25 7	5♏17'56	16♓34	14°R11	29♍58	23♋44	26°R 8	16♌50	26°R22	22°R34	2♏59	28°R50	29♉49	24♏ 3	n.a.	S 1
S 2	2 29 3	6°18'55	0♈54	13♏ 2	1♎11	24° 3	26♓ 3	16°53	26♊21	22♊33	3° 1	28♉47	29°46	24°10	n.a.	S 2
M 3	2 33 0	7°19'55	15°39	11°47	2°25	24°22	25°59	16°56	26°19	22°32	3° 4	28°43	29°43	24°17	n.a.	M 3
T 4	2 36 56	8°20'55	0♉41	10°27	3°38	24°41	25°55	16°59	26°18	22°31	3° 6	28°41	29°39	24°23	n.a.	T 4
W 5	2 40 53	9°21'57	15°53	9° 4	4°52	24°59	25°51	17° 2	26°16	22°30	3° 8	28°40	29°36	24°30	n.a.	W 5
T 6	2 44 49	10°23'00	1♊ 4	7°42	6° 6	25°16	25°47	17° 5	26°15	22°29	3°11	28°D39	29°33	24°37	n.a.	T 6
F 7	2 48 46	11°24'03	16° 6	6°23	7°20	25°34	25°44	17° 7	26°13	22°28	3°13	28°40	29°30	24°43	n.a.	F 7
S 8	2 52 42	12°25'08	0♋50	5° 9	8°34	25°50	25°40	17°10	26°12	22°27	3°15	28°41	29°27	24°50	n.a.	S 8
S 9	2 56 39	13°26'14	15°11	4° 4	9°47	26° 7	25°37	17°12	26°10	22°25	3°18	28°42	29°24	24°57	n.a.	S 9
M10	3 0 36	14°27'21	29° 7	3° 8	11° 1	26°22	25°34	17°15	26° 8	22°24	3°20	28°43	29°20	25° 3	n.a.	M10
T 11	3 4 32	15°28'29	12♌39	2°23	12°15	26°38	25°31	17°17	26° 6	22°23	3°22	28°R44	29°17	25°10	n.a.	T 11
W12	3 8 29	16°29'38	25°47	1°49	13°30	26°53	25°29	17°19	26° 5	22°22	3°25	28°43	29°14	25°17	n.a.	W12
T 13	3 12 25	17°30'48	8♍34	1°26	14°44	27° 7	25°26	17°21	26° 3	22°20	3°27	28°43	29°11	25°23	n.a.	T 13
F 14	3 16 22	18°31'59	21° 4	1°14	15°58	27°21	25°24	17°23	26° 1	22°19	3°29	28°42	29° 8	25°30	n.a.	F 14
S 15	3 20 18	19°33'11	3♎20	1°D13	17°12	27°34	25°22	17°25	25°59	22°18	3°32	28°40	29° 5	25°36	n.a.	S 15
S 16	3 24 15	20°34'24	15°26	1°21	18°26	27°46	25°20	17°27	25°57	22°16	3°34	28°39	29° 1	25°43	n.a.	S 16
M17	3 28 11	21°35'37	27°23	1°39	19°41	27°58	25°19	17°28	25°55	22°15	3°36	28°38	28°58	25°50	n.a.	M17
T 18	3 32 8	22°36'51	9♏14	2° 4	20°55	28°10	25°17	17°30	25°53	22°13	3°39	28°37	28°55	25°56	n.a.	T 18
W19	3 36 5	23°38'05	21° 3	2°37	22° 9	28°21	25°16	17°31	25°51	22°12	3°41	28°37	28°52	26° 3	n.a.	W19
T 20	3 40 1	24°39'20	2♐50	3°17	23°24	28°31	25°15	17°33	25°49	22°10	3°43	28°D37	28°49	26°10	n.a.	T 20
F 21	3 43 58	25°40'36	14°38	4° 2	24°38	28°41	25°14	17°34	25°47	22° 9	3°45	28°37	28°45	26°16	n.a.	F 21
S 22	3 47 54	26°41'51	26°29	4°53	25°53	28°50	25°14	17°35	25°45	22° 8	3°48	28°37	28°42	26°23	n.a.	S 22
S 23	3 51 51	27°43'07	8♑26	5°48	27° 7	28°58	25°13	17°36	25°42	22° 6	3°50	28°37	28°39	26°30	n.a.	S 23
M24	3 55 47	28°44'23	20°31	6°47	28°22	29° 6	25°D13	17°37	25°40	22° 4	3°52	28°R37	28°36	26°36	n.a.	M24
T 25	3 59 44	29°45'39	2♒49	7°50	29°36	29°13	25°13	17°37	25°38	22° 3	3°54	28°37	28°33	26°43	n.a.	T 25
W26	4 3 41	0♐46'55	15°22	8°56	0♏51	29°20	25°14	17°38	25°36	22° 1	3°57	28°37	28°30	26°50	n.a.	W26
T 27	4 7 37	1°48'11	28°14	10° 5	2° 5	29°25	25°14	17°39	25°33	22° 0	3°59	28°D37	28°26	26°56	n.a.	T 27
F 28	4 11 34	2°49'26	11♓28	11°16	3°20	29°31	25°15	17°39	25°31	21°58	4° 1	28°37	28°23	27° 3	n.a.	F 28
S 29	4 15 30	3°50'42	25° 7	12°29	4°34	29°35	25°16	17°39	25°29	21°57	4° 3	28°37	28°20	27° 9	n.a.	S 29
S 30	4 19 27	4♐51'57	9♈12	13♏44	5♏49	29♋39	25♓17	17♌40	25♊26	21♊55	4♏ 5	28♉38	28♉17	27♏16	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s27	9s58	5s 0	16s38	0s22	1n42	1n51	23n31	1n56	3s 3	1s38	17n25	1n31	23n58	0n17	22n38	0s53	0s55	12n29	20n 8	20n21	18s31		n.a.
S 2	13 47	3 43	4 27	15 58	0 2	1 13	1 51	23 29	1 58	3 5	1 38	17 25	1 31	23 58	0 17	22 37	0 53	0 56	12 29	20 7	20 20	18 33		n.a.
M 3	14 7	2n55	3 36	15 16	0n18	0 44	1 52	23 28	2 0	3 6	1 38	17 24	1 31	23 58	0 17	22 37	0 53	0 57	12 29	20 7	20 20	18 36		n.a.
T 4	14 27	9 32	2 29	14 31	0 39	0 15	1 52	23 26	2 2	3 8	1 38	17 23	1 32	23 58	0 17	22 37	0 53	0 58	12 29	20 6	20 19	18 38		n.a.
W 5	14 47	15 40	1 10	13 45	0 59	0s15	1 52	23 25	2 4	3 9	1 37	17 23	1 32	23 58	0 17	22 37	0 53	0 58	12 28	20 6	20 18	18 41		n.a.
T 6	15 7	20 50	0n13	13 0	1 18	0 44	1 52	23 24	2 6	3 10	1 37	17 22	1 32	23 58	0 17	22 37	0 53	0 59	12 28	20 6	20 18	18 43		n.a.
F 7	15 26	24 34	1 35	12 18	1 36	1 13	1 52	23 22	2 8	3 12	1 37	17 21	1 32	23 58	0 17	22 37	0 53	1 0	12 28	20 6	20 17	18 45		n.a.
S 8	15 45	26 32	2 49	11 38	1 52	1 43	1 52	23 21	2 10	3 13	1 36	17 21	1 33	23 58	0 17	22 37	0 53	1 1	12 28	20 6	20 16	18 48		n.a.
S 9	16 4	26 40	3 50	11 3	2 6	2 12	1 52	23 20	2 12	3 14	1 36	17 20	1 33	23 58	0 17	22 37	0 53	1 2	12 28	20 6	20 16	18 50		n.a.
M10	16 22	25 4	4 36	10 32	2 18	2 42	1 52	23 19	2 14	3 15	1 36	17 20	1 33	23 58	0 17	22 37	0 53	1 2	12 28	20 7	20 15	18 53		n.a.
T 11	16 40	22 5	5 5	10 8	2 28	3 11	1 52	23 18	2 16	3 15	1 35	17 19	1 33	23 57	0 17	22 37	0 53	1 3	12 28	20 7	20 14	18 55		n.a.
W12	16 58	18 2	5 17	9 49	2 36	3 41	1 52	23 17	2 18	3 16	1 35	17 19	1 34	23 57	0 18	22 37	0 53	1 4	12 28	20 7	20 14	18 58		n.a.
T 13	17 16	13 16	5 13	9 36	2 41	4 10	1 51	23 17	2 20	3 17	1 35	17 18	1 34	23 57	0 18	22 37	0 53	1 5	12 28	20 7	20 13	19 0		n.a.
F 14	17 33	8 4	4 53	9 28	2 45	4 39	1 51	23 16	2 22	3 17	1 34	17 18	1 34	23 57	0 18	22 37	0 53	1 5	12 28	20 6	20 12	19 3		n.a.
S 15	17 50	2 39	4 21	9 26	2 47	5 9	1 50	23 15	2 25	3 18	1 34	17 18	1 34	23 57	0 18	22 36	0 53	1 6	12 29	20 6	20 11	19 5		n.a.
S 16	18 6	2s48	3 38	9 28	2 48	5 38	1 49	23 15	2 27	3 18	1 34	17 17	1 35	23 57	0 18	22 36	0 53	1 7	12 29	20 6	20 11	19 8		n.a.
M17	18 23	8 6	2 45	9 35	2 47	6 7	1 49	23 15	2 29	3 19	1 33	17 17	1 35	23 57	0 18	22 36	0 53	1 8	12 29	20 6	20 10	19 10		n.a.
T 18	18 39	13 5	1 46	9 46	2 45	6 36	1 48	23 15	2 31	3 19	1 33	17 17	1 35	23 57	0 18	22 36	0 53	1 8	12 29	20 5	20 9	19 13		n.a.
W19	18 54	17 34	0 42	10 0	2 41	7 5	1 47	23 15	2 34	3 19	1 33	17 17	1 35	23 57	0 18	22 36	0 54	1 9	12 29	20 5	20 9	19 15		n.a.
T 20	19 10	21 21	0s23	10 17	2 38	7 33	1 46	23 15	2 36	3 19	1 32	17 16	1 36	23 57	0 18	22 36	0 54	1 10	12 29	20 5	20 8	19 17		n.a.
F 21	19 24	24 17	1 28	10 37	2 33	8 2	1 45	23 15	2 38	3 19	1 32	17 16	1 36	23 57	0 18	22 36	0 54	1 10	12 29	20 5	20 7	19 20		n.a.
S 22	19 39	26 10	2 29	10 59	2 28	8 30	1 44	23 15	2 41	3 19	1 32	17 16	1 36	23 57	0 18	22 36	0 54	1 11	12 29	20 5	20 7	19 22		n.a.
S 23	19 53	26 51	3 24	11 23	2 22	8 58	1 43	23 16	2 43	3 19	1 31	17 16	1 36	23 57	0 18	22 36	0 54	1 12	12 29	20 5	20 6	19 25		n.a.
M24	20 7	26 16	4 11	11 49	2 15	9 26	1 41	23 16	2 45	3 19	1 31	17 16	1 37	23 57	0 18	22 36	0 54	1 12	12 29	20 5	20 5	19 27		n.a.
T 25	20 20	24 24	4 46	12 16	2 9	9 54	1 40	23 17	2 48	3 18	1 31	17 16	1 37	23 57	0 18	22 36	0 54	1 13	12 29	20 5	20 4	19 30		n.a.
W26	20 33	21 20	5 10	12 43	2 2	10 22	1 39	23 18	2 50	3 18	1 30	17 16	1 37	23 57	0 18	22 35	0 54	1 13	12 29	20 5	20 4	19 32		n.a.
T 27	20 46	17 11	5 18	13 12	1 55	10 49	1 37	23 19	2 53	3 17	1 30	17 16	1 37	23 57	0 18	22 35	0 54	1 14	12 29	20 5	20 3	19 34		n.a.
F 28	20 58	12 7	5 10	13 41	1 47	11 16	1 36	23 21	2 55	3 17	1 30	17 16	1 38	23 57	0 18	22 35	0 54	1 15	12 30	20 5	20 2	19 37		n.a.
S 29	21 10	6 18	4 45	14 11	1 40	11 43	1 34	23 22	2 57	3 16	1 29	17 16	1 38	23 57	0 18	22 35	0 54	1 15	12 30	20 5	20 2	19 39		n.a.
S 30	21s22	0s 0	4s 2	14s41	1n32	12s10	1n32	23n24	3n 0	3s15	1s29	17n17	1n38	23n57	0n18	22n35	0s54	1s16	12n30	20n 6	20n 1	19s42		n.a.

Julian Day Number = 1636989.5, Delta T = 03h38m36s
Ecliptic obliquity = 23°43'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'40, Lahiri = - 7°08'39 Julian Calendar 1 Nov. 232 BCE == Greg. Calendar 28 Oct. 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 232 BCE
geocentric

DECEMBER 232 BCE (-231) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 23 23	5♐53'11	23♈43	15♏ 1	7♏ 3	29♋42	25♓18	17°R40	25°R24	21°R53	4♏ 7	28♉38	28♉14	27♏23	n.a.	M 1
T 2	4 27 20	6°54'26	8♉35	16°20	8°18	29°44	25°20	17♌40	25♊22	21♊52	4° 9	28°39	28°11	27°29	n.a.	T 2
W 3	4 31 16	7°55'40	23°42	17°39	9°33	29°46	25°22	17°40	25°19	21°50	4°11	28°R39	28° 7	27°36	n.a.	W 3
T 4	4 35 13	8°56'54	8♊55	19° 0	10°47	29°46	25°24	17°39	25°17	21°49	4°13	28°39	28° 4	27°43	n.a.	T 4
F 5	4 39 10	9°58'08	24° 6	20°22	12° 2	29°R46	25°26	17°39	25°14	21°47	4°15	28°39	28° 1	27°49	n.a.	F 5
S 6	4 43 6	10°59'22	9♋ 4	21°45	13°17	29°46	25°28	17°39	25°12	21°45	4°17	28°37	27°58	27°56	n.a.	S 6
S 7	4 47 3	12° 0'36	23°41	23° 9	14°32	29°44	25°31	17°38	25° 9	21°44	4°19	28°36	27°55	28° 3	n.a.	S 7
M 8	4 50 59	13° 1'50	7♌53	24°34	15°46	29°42	25°33	17°37	25° 7	21°42	4°21	28°34	27°51	28° 9	n.a.	M 8
T 9	4 54 56	14° 3'03	21°36	26° 0	17° 1	29°39	25°36	17°37	25° 4	21°40	4°23	28°32	27°48	28°16	n.a.	T 9
W10	4 58 52	15° 4'17	4♍52	27°26	18°16	29°35	25°39	17°36	25° 2	21°39	4°25	28°31	27°45	28°23	n.a.	W10
T 11	5 2 49	16° 5'30	17°42	28°53	19°31	29°30	25°43	17°35	24°59	21°37	4°27	28°D31	27°42	28°29	n.a.	T 11
F 12	5 6 46	17° 6'43	0♎11	0♐21	20°45	29°25	25°46	17°34	24°57	21°35	4°29	28°31	27°39	28°36	n.a.	F 12
S 13	5 10 42	18° 7'56	12°23	1°49	22° 0	29°19	25°50	17°32	24°54	21°34	4°31	28°33	27°36	28°43	n.a.	S 13
S 14	5 14 39	19° 9'09	24°22	3°18	23°15	29°11	25°54	17°31	24°51	21°32	4°33	28°34	27°32	28°49	n.a.	S 14
M15	5 18 35	20°10'21	6♏13	4°48	24°30	29° 4	25°58	17°30	24°49	21°30	4°35	28°36	27°29	28°56	n.a.	M15
T 16	5 22 32	21°11'33	18° 0	6°18	25°45	28°55	26° 2	17°28	24°46	21°28	4°37	28°37	27°26	29° 2	n.a.	T 16
W17	5 26 28	22°12'44	29°46	7°48	26°59	28°45	26° 7	17°27	24°44	21°27	4°38	28°R38	27°23	29° 9	n.a.	W17
T 18	5 30 25	23°13'55	11♐34	9°20	28°14	28°35	26°12	17°25	24°41	21°25	4°40	28°37	27°20	29°16	n.a.	T 18
F 19	5 34 21	24°15'06	23°28	10°51	29°29	28°24	26°16	17°23	24°38	21°23	4°42	28°35	27°17	29°22	n.a.	F 19
S 20	5 38 18	25°16'15	5♑27	12°24	0♐44	28°12	26°22	17°21	24°36	21°22	4°44	28°31	27°13	29°29	n.a.	S 20
S 21	5 42 15	26°17'24	17°36	13°57	1°59	27°59	26°27	17°19	24°33	21°20	4°45	28°27	27°10	29°36	n.a.	S 21
M22	5 46 11	27°18'32	29°53	15°30	3°14	27°46	26°32	17°17	24°31	21°18	4°47	28°22	27° 7	29°42	n.a.	M22
T 23	5 50 8	28°19'39	12♒22	17° 4	4°28	27°32	26°38	17°15	24°28	21°17	4°48	28°16	27° 4	29°49	n.a.	T 23
W24	5 54 4	29°20'44	25° 4	18°39	5°43	27°17	26°43	17°12	24°25	21°15	4°50	28°12	27° 1	29°56	n.a.	W24
T 25	5 58 1	0♑21'49	8♓ 0	20°14	6°58	27° 1	26°49	17°10	24°23	21°13	4°52	28° 8	26°57	0♐ 2	n.a.	T 25
F 26	6 1 57	1°22'52	21°12	21°50	8°13	26°44	26°56	17° 7	24°20	21°12	4°53	28° 6	26°54	0° 9	n.a.	F 26
S 27	6 5 54	2°23'54	4♈44	23°26	9°28	26°27	27° 2	17° 5	24°18	21°10	4°55	28°D 6	26°51	0°16	n.a.	S 27
S 28	6 9 50	3°24'54	18°34	25° 3	10°43	26°10	27° 8	17° 2	24°15	21° 8	4°56	28° 7	26°48	0°22	n.a.	S 28
M29	6 13 47	4°25'53	2♉45	26°41	11°57	25°51	27°15	16°59	24°12	21° 7	4°58	28° 8	26°45	0°29	n.a.	M29
T 30	6 17 44	5°26'51	17°16	28°19	13°12	25°32	27°22	16°56	24°10	21° 5	4°59	28° 9	26°42	0°36	n.a.	T 30
W31	6 21 40	6♑27'47	2♊ 2	29♐58	14♐27	25♋13	27♓29	16♌53	24♊ 7	21♊ 3	5♏ 0	28°R10	26♉38	0♐42	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21 s33	6n29	3 s 2	15 s12	1n24	12 s36	1n31	23n26	3n 2	3 s15	1 s29	17n17	1n38	23n56	0n18	22n35	0 s54	1 s16	12n30	20n 6	20n 0	19 s44		n.a.
T 2	21 43	12 48	1 49	15 42	1 16	13 2	1 29	23 28	3 5	3 14	1 28	17 17	1 39	23 56	0 18	22 35	0 54	1 17	12 30	20 6	19 59	19 46		n.a.
W 3	21 53	18 28	0 28	16 12	1 8	13 28	1 27	23 30	3 7	3 13	1 28	17 17	1 39	23 56	0 18	22 35	0 54	1 17	12 30	20 6	19 59	19 49		n.a.
T 4	22 3	22 59	0n57	16 42	1 1	13 53	1 25	23 32	3 10	3 11	1 28	17 18	1 39	23 56	0 18	22 35	0 53	1 18	12 30	20 6	19 58	19 51		n.a.
F 5	22 13	25 52	2 17	17 12	0 53	14 18	1 23	23 34	3 13	3 10	1 27	17 18	1 39	23 56	0 18	22 35	0 53	1 18	12 31	20 6	19 57	19 54		n.a.
S 6	22 21	26 50	3 26	17 42	0 45	14 43	1 21	23 37	3 15	3 9	1 27	17 18	1 40	23 56	0 18	22 34	0 53	1 19	12 31	20 5	19 57	19 56		n.a.
S 7	22 30	25 53	4 20	18 11	0 37	15 7	1 19	23 40	3 18	3 8	1 27	17 19	1 40	23 56	0 18	22 34	0 53	1 19	12 31	20 5	19 56	19 58		n.a.
M 8	22 38	23 17	4 57	18 40	0 29	15 31	1 17	23 43	3 20	3 6	1 26	17 19	1 40	23 56	0 18	22 34	0 53	1 20	12 31	20 5	19 55	20 1		n.a.
T 9	22 46	19 25	5 15	19 8	0 22	15 55	1 15	23 46	3 23	3 5	1 26	17 20	1 40	23 56	0 18	22 34	0 53	1 20	12 31	20 4	19 54	20 3		n.a.
W10	22 53	14 43	5 15	19 35	0 14	16 18	1 13	23 49	3 25	3 3	1 26	17 20	1 41	23 56	0 18	22 34	0 53	1 21	12 32	20 4	19 54	20 5		n.a.
T 11	22 59	9 30	4 59	20 2	0 7	16 41	1 11	23 53	3 28	3 2	1 25	17 21	1 41	23 56	0 18	22 34	0 53	1 21	12 32	20 4	19 53	20 8		n.a.
F 12	23 5	4 3	4 30	20 29	0 s 1	17 3	1 9	23 57	3 30	3 0	1 25	17 21	1 41	23 56	0 18	22 34	0 53	1 22	12 32	20 4	19 52	20 10		n.a.
S 13	23 11	1 s27	3 49	20 54	0 8	17 25	1 6	24 0	3 33	2 58	1 25	17 22	1 41	23 56	0 18	22 34	0 53	1 22	12 32	20 4	19 51	20 12		n.a.
S 14	23 17	6 48	2 58	21 19	0 15	17 46	1 4	24 4	3 36	2 56	1 24	17 23	1 42	23 55	0 18	22 34	0 53	1 22	12 32	20 5	19 51	20 15		n.a.
M15	23 21	11 51	2 1	21 42	0 22	18 7	1 2	24 9	3 38	2 54	1 24	17 23	1 42	23 55	0 18	22 34	0 53	1 23	12 33	20 5	19 50	20 17		n.a.
T 16	23 26	16 28	0 58	22 5	0 29	18 28	0 59	24 13	3 41	2 52	1 24	17 24	1 42	23 55	0 18	22 33	0 53	1 23	12 33	20 5	19 49	20 19		n.a.
W17	23 30	20 27	0 s 6	22 27	0 35	18 48	0 57	24 17	3 43	2 50	1 23	17 25	1 42	23 55	0 18	22 33	0 53	1 24	12 33	20 6	19 49	20 22		n.a.
T 18	23 33	23 36	1 11	22 48	0 42	19 7	0 55	24 22	3 45	2 48	1 23	17 25	1 43	23 55	0 18	22 33	0 53	1 24	12 33	20 5	19 48	20 24		n.a.
F 19	23 36	25 46	2 13	23 8	0 48	19 26	0 52	24 27	3 48	2 46	1 23	17 26	1 43	23 55	0 18	22 33	0 53	1 24	12 33	20 5	19 47	20 26		n.a.
S 20	23 38	26 45	3 9	23 27	0 54	19 44	0 50	24 31	3 50	2 43	1 22	17 27	1 43	23 55	0 18	22 33	0 53	1 25	12 34	20 4	19 46	20 29		n.a.
S 21	23 40	26 28	3 57	23 45	1 0	20 2	0 47	24 36	3 53	2 41	1 22	17 28	1 43	23 55	0 18	22 33	0 53	1 25	12 34	20 3	19 46	20 31		n.a.
M22	23 42	24 54	4 35	24 1	1 6	20 19	0 45	24 41	3 55	2 39	1 22	17 29	1 43	23 55	0 18	22 33	0 53	1 25	12 34	20 2	19 45	20 33		n.a.
T 23	23 43	22 6	5 1	24 16	1 11	20 36	0 42	24 47	3 57	2 36	1 22	17 30	1 44	23 55	0 18	22 33	0 53	1 25	12 34	20 1	19 44	20 36		n.a.
W24	23 43	18 13	5 12	24 30	1 17	20 52	0 40	24 52	4 0	2 33	1 21	17 31	1 44	23 54	0 18	22 33	0 53	1 26	12 35	20 0	19 43	20 38		n.a.
T 25	23 43	13 25	5 8	24 43	1 22	21 7	0 37	24 57	4 2	2 31	1 21	17 32	1 44	23 54	0 18	22 33	0 53	1 26	12 35	19 59	19 43	20 40		n.a.
F 26	23 43	7 55	4 48	24 55	1 27	21 22	0 34	25 3	4 4	2 28	1 21	17 33	1 44	23 54	0 18	22 33	0 53	1 26	12 35	19 58	19 42	20 43		n.a.
S 27	23 42	1 56	4 11	25 5	1 31	21 37	0 32	25 8	4 6	2 25	1 20	17 34	1 45	23 54	0 18	22 32	0 53	1 26	12 36	19 58	19 41	20 45		n.a.
S 28	23 41	4n18	3 19	25 13	1 35	21 50	0 29	25 14	4 8	2 22	1 20	17 35	1 45	23 54	0 18	22 32	0 53	1 27	12 36	19 58	19 40	20 47		n.a.
M29	23 39	10 28	2 14	25 20	1 39	22 3	0 27	25 19	4 10	2 19	1 20	17 36	1 45	23 54	0 18	22 32	0 53	1 27	12 36	19 59	19 40	20 49		n.a.
T 30	23 37	16 15	0 59	25 26	1 43	22 16	0 24	25 25	4 12	2 16	1 19	17 37	1 45	23 54	0 18	22 32	0 53	1 27	12 36	19 59	19 39	20 52		n.a.
W31	23 s34	21n10	0n21	25 s30	1 s47	22 s27	0n21	25n30	4n14	2 s13	1 s19	17n38	1n45	23n54	0n18	22n32	0 s53	1 s27	12n37	19n59	19n38	20 s54		n.a.

Julian Day Number = 1637019.5, Delta T = 03h38m35s
Ecliptic obliquity = 23°43'28, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'36, Lahiri = - 7°08'35 Julian Calendar 1 Dec. 232 BCE == Greg. Calendar 27 Nov. 232 BCE

The year -231 astronomical counting style corresponds to year 232 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

JANUARY 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 25 37	7♉28'42	16♊59	1♉38	15♐42	24°R53	27♓36	16°R50	24°R 5	21°R 2	5♏ 2	28°R 8	26♌35	0♐49	n.a.	T 1
F 2	6 29 33	8°29'36	1♋59	3°18	16°57	24♋32	27°43	16♎47	24♊ 2	21♊ 0	5° 3	28♌ 5	26°32	0°55	n.a.	F 2
S 3	6 33 30	9°30'29	16°53	4°59	18°11	24°11	27°50	16°44	24° 0	20°58	5° 5	28° 0	26°29	1° 2	n.a.	S 3
S 4	6 37 26	10°31'20	1♎33	6°41	19°26	23°49	27°58	16°41	23°57	20°57	5° 6	27°53	26°26	1° 9	n.a.	S 4
M 5	6 41 23	11°32'10	15°51	8°24	20°41	23°27	28° 5	16°37	23°55	20°55	5° 7	27°46	26°23	1°15	n.a.	M 5
T 6	6 45 20	12°32'59	29°43	10° 7	21°56	23° 5	28°13	16°34	23°52	20°54	5° 8	27°39	26°19	1°22	n.a.	T 6
W 7	6 49 16	13°33'46	13♍ 7	11°51	23°11	22°42	28°21	16°30	23°50	20°52	5° 9	27°33	26°16	1°29	n.a.	W 7
T 8	6 53 13	14°34'33	26° 4	13°36	24°25	22°19	28°29	16°27	23°48	20°51	5°11	27°29	26°13	1°35	n.a.	T 8
F 9	6 57 9	15°35'18	8♎37	15°22	25°40	21°56	28°38	16°23	23°45	20°49	5°12	27°27	26°10	1°42	n.a.	F 9
S 10	7 1 6	16°36'02	20°51	17° 8	26°55	21°32	28°46	16°19	23°43	20°48	5°13	27°D27	26° 7	1°49	n.a.	S 10
S 11	7 5 2	17°36'45	2♏50	18°55	28°10	21° 8	28°55	16°15	23°41	20°46	5°14	27°28	26° 3	1°55	n.a.	S 11
M12	7 8 59	18°37'27	14°39	20°43	29°24	20°44	29° 3	16°12	23°38	20°45	5°15	27°29	26° 0	2° 2	n.a.	M12
T 13	7 12 55	19°38'07	26°26	22°32	0♉39	20°20	29°12	16° 8	23°36	20°43	5°16	27°R30	25°57	2° 9	n.a.	T 13
W14	7 16 52	20°38'46	8♐12	24°21	1°54	19°56	29°21	16° 4	23°34	20°42	5°17	27°29	25°54	2°15	n.a.	W14
T 15	7 20 49	21°39'24	20° 4	26°11	3° 9	19°33	29°30	15°59	23°32	20°40	5°18	27°27	25°51	2°22	n.a.	T 15
F 16	7 24 45	22°40'00	2♉ 4	28° 2	4°23	19° 9	29°40	15°55	23°29	20°39	5°19	27°21	25°48	2°29	n.a.	F 16
S 17	7 28 42	23°40'35	14°15	29°53	5°38	18°45	29°49	15°51	23°27	20°38	5°20	27°13	25°44	2°35	n.a.	S 17
S 18	7 32 38	24°41'08	26°37	1♒44	6°53	18°21	29°58	15°47	23°25	20°36	5°20	27° 4	25°41	2°42	n.a.	S 18
M19	7 36 35	25°41'39	9♒13	3°35	8° 8	17°58	0♈ 8	15°43	23°23	20°35	5°21	26°53	25°38	2°48	n.a.	M19
T 20	7 40 31	26°42'08	22° 0	5°27	9°22	17°34	0°18	15°38	23°21	20°34	5°22	26°41	25°35	2°55	n.a.	T 20
W21	7 44 28	27°42'36	5♓ 0	7°19	10°37	17°12	0°28	15°34	23°19	20°32	5°23	26°31	25°32	3° 2	n.a.	W21
T 22	7 48 24	28°43'01	18°12	9°10	11°52	16°49	0°38	15°29	23°17	20°31	5°23	26°23	25°29	3° 8	n.a.	T 22
F 23	7 52 21	29°43'25	1♈36	11° 0	13° 7	16°27	0°48	15°25	23°15	20°30	5°24	26°17	25°25	3°15	n.a.	F 23
S 24	7 56 18	0♒43'46	15°11	12°50	14°21	16° 5	0°58	15°20	23°13	20°29	5°25	26°13	25°22	3°22	n.a.	S 24
S 25	8 0 14	1°44'06	28°58	14°38	15°36	15°44	1° 8	15°16	23°11	20°27	5°25	26°D12	25°19	3°28	n.a.	S 25
M26	8 4 11	2°44'23	12♉57	16°25	16°51	15°23	1°19	15°11	23° 9	20°26	5°26	26°12	25°16	3°35	n.a.	M26
T 27	8 8 7	3°44'38	27° 9	18°10	18° 5	15° 2	1°29	15° 7	23° 7	20°25	5°26	26°R13	25°13	3°42	n.a.	T 27
W28	8 12 4	4°44'51	11♊32	19°52	19°20	14°43	1°40	15° 2	23° 6	20°24	5°27	26°12	25° 9	3°48	n.a.	W28
T 29	8 16 0	5°45'02	26° 4	21°32	20°34	14°23	1°50	14°58	23° 4	20°23	5°27	26° 9	25° 6	3°55	n.a.	T 29
F 30	8 19 57	6°45'11	10♋39	23° 7	21°49	14° 5	2° 1	14°53	23° 2	20°22	5°28	26° 3	25° 3	4° 2	n.a.	F 30
S 31	8 23 53	7♒45'17	25♋12	24♒39	23♉ 4	13♋47	2♈12	14♎48	23♊ 1	20♊21	5♏28	25♌54	25♌ 0	4♐ 8	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23 s31	24n45	1n41	25 s33	1 s50	22 s38	0n19	25n36	4n16	2 s10	1 s19	17n39	1n46	23n54	0n18	22n32	0 s53	1 s27	12n37	19n59	19n37	20 s56		n.a.
F 2	23 27	26 36	2 53	25 33	1 52	22 49	0 16	25 41	4 17	2 7	1 19	17 40	1 46	23 53	0 18	22 32	0 53	1 27	12 37	19 58	19 37	20 58		n.a.
S 3	23 23	26 30	3 54	25 33	1 55	22 58	0 13	25 47	4 19	2 4	1 18	17 41	1 46	23 53	0 18	22 32	0 53	1 28	12 38	19 57	19 36	21 1		n.a.
S 4	23 18	24 33	4 37	25 30	1 57	23 7	0 11	25 52	4 20	2 1	1 18	17 43	1 46	23 53	0 18	22 32	0 53	1 28	12 38	19 55	19 35	21 3		n.a.
M 5	23 13	21 5	5 3	25 26	1 59	23 15	0 8	25 57	4 22	1 57	1 18	17 44	1 46	23 53	0 18	22 32	0 53	1 28	12 38	19 54	19 34	21 5		n.a.
T 6	23 7	16 31	5 9	25 20	2 0	23 23	0 6	26 3	4 23	1 54	1 17	17 45	1 47	23 53	0 18	22 32	0 53	1 28	12 39	19 52	19 34	21 7		n.a.
W 7	23 1	11 17	4 58	25 12	2 1	23 30	0 3	26 8	4 24	1 50	1 17	17 46	1 47	23 53	0 18	22 31	0 53	1 28	12 39	19 51	19 33	21 10		n.a.
T 8	22 55	5 44	4 32	25 2	2 1	23 36	0 0	26 13	4 25	1 47	1 17	17 48	1 47	23 53	0 18	22 31	0 53	1 28	12 39	19 50	19 32	21 12		n.a.
F 9	22 48	0 7	3 53	24 50	2 2	23 41	0 s 2	26 18	4 27	1 43	1 17	17 49	1 47	23 53	0 18	22 31	0 53	1 28	12 39	19 50	19 31	21 14		n.a.
S 10	22 41	5 s23	3 5	24 37	2 1	23 46	0 5	26 23	4 27	1 40	1 16	17 50	1 47	23 53	0 18	22 31	0 53	1 28	12 40	19 50	19 31	21 16		n.a.
S 11	22 33	10 35	2 9	24 21	2 0	23 50	0 7	26 27	4 28	1 36	1 16	17 52	1 48	23 53	0 18	22 31	0 53	1 28	12 40	19 50	19 30	21 19		n.a.
M12	22 25	15 20	1 9	24 4	1 59	23 53	0 10	26 32	4 29	1 32	1 16	17 53	1 48	23 52	0 18	22 31	0 53	1 28	12 40	19 50	19 29	21 21		n.a.
T 13	22 16	19 29	0 6	23 44	1 57	23 56	0 12	26 36	4 30	1 28	1 16	17 54	1 48	23 52	0 18	22 31	0 53	1 28	12 41	19 50	19 28	21 23		n.a.
W14	22 7	22 53	0 s57	23 23	1 55	23 58	0 15	26 40	4 30	1 25	1 15	17 56	1 48	23 52	0 18	22 31	0 53	1 28	12 41	19 50	19 28	21 25		n.a.
T 15	21 58	25 19	1 58	22 59	1 52	23 59	0 17	26 44	4 30	1 21	1 15	17 57	1 48	23 52	0 18	22 31	0 53	1 28	12 41	19 49	19 27	21 27		n.a.
F 16	21 48	26 37	2 55	22 34	1 48	23 59	0 20	26 48	4 31	1 17	1 15	17 59	1 48	23 52	0 18	22 31	0 53	1 28	12 42	19 48	19 26	21 30		n.a.
S 17	21 37	26 39	3 44	22 6	1 44	23 58	0 22	26 52	4 31	1 13	1 14	18 0	1 49	23 52	0 18	22 31	0 53	1 28	12 42	19 46	19 25	21 32		n.a.
S 18	21 27	25 22	4 23	21 37	1 39	23 57	0 25	26 55	4 31	1 9	1 14	18 1	1 49	23 52	0 18	22 31	0 53	1 28	12 43	19 44	19 25	21 34		n.a.
M19	21 15	22 49	4 50	21 6	1 34	23 55	0 27	26 59	4 31	1 5	1 14	18 3	1 49	23 52	0 18	22 31	0 53	1 28	12 43	19 41	19 24	21 36		n.a.
T 20	21 4	19 6	5 3	20 33	1 27	23 53	0 29	27 2	4 31	1 0	1 14	18 4	1 49	23 52	0 18	22 31	0 53	1 28	12 43	19 39	19 23	21 38		n.a.
W21	20 52	14 26	5 1	19 58	1 21	23 49	0 32	27 5	4 31	0 56	1 14	18 6	1 49	23 51	0 18	22 30	0 53	1 28	12 44	19 36	19 22	21 40		n.a.
T 22	20 40	9 2	4 42	19 21	1 13	23 45	0 34	27 7	4 30	0 52	1 13	18 7	1 49	23 51	0 18	22 30	0 53	1 28	12 44	19 34	19 22	21 43		n.a.
F 23	20 27	3 9	4 9	18 43	1 5	23 40	0 36	27 10	4 30	0 48	1 13	18 9	1 50	23 51	0 18	22 30	0 53	1 28	12 44	19 33	19 21	21 45		n.a.
S 24	20 14	2n58	3 20	18 3	0 56	23 35	0 38	27 12	4 29	0 43	1 13	18 10	1 50	23 51	0 18	22 30	0 53	1 27	12 45	19 32	19 20	21 47		n.a.
S 25	20 1	9 4	2 20	17 22	0 46	23 28	0 41	27 14	4 29	0 39	1 13	18 12	1 50	23 51	0 18	22 30	0 53	1 27	12 45	19 32	19 19	21 49		n.a.
M26	19 47	14 48	1 10	16 40	0 36	23 21	0 43	27 16	4 28	0 35	1 12	18 13	1 50	23 51	0 18	22 30	0 52	1 27	12 45	19 32	19 18	21 51		n.a.
T 27	19 33	19 50	0n 5	15 58	0 25	23 14	0 45	27 17	4 27	0 30	1 12	18 15	1 50	23 51	0 18	22 30	0 52	1 27	12 46	19 32	19 18	21 53		n.a.
W28	19 18	23 46	1 21	15 14	0 13	23 5	0 47	27 18	4 26	0 26	1 12	18 16	1 50	23 51	0 18	22 30	0 52	1 27	12 46	19 32	19 17	21 55		n.a.
T 29	19 3	26 11	2 32	14 31	0 1	22 56	0 49	27 20	4 25	0 21	1 12	18 18	1 50	23 51	0 18	22 30	0 52	1 27	12 46	19 31	19 16	21 58		n.a.
F 30	18 48	26 50	3 33	13 47	0n12	22 46	0 51	27 21	4 24	0 17	1 11	18 19	1 50	23 51	0 18	22 30	0 52	1 26	12 47	19 30	19 15	22 0		n.a.
S 31	18 s33	25n36	4n20	13 s 4	0n25	22 s36	0 s53	27n21	4n23	0 s12	1 s11	18n21	1n51	23n50	0n18	22n30	0 s52	1 s26	12n47	19n28	19n15	22 s 2		n.a.

Julian Day Number = 1637050.5, Delta T = 03h38m34s
Ecliptic obliquity = 23°43'28, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'31, Lahiri = - 7°08'31 Julian Calendar 1 Jan. 231 BCE == Greg. Calendar 28 Dec. 232 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

FEBRUARY 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 27 50	8♒45'22	9♌37	26♒ 6	24♉18	13°R30	2♈23	14°R43	22°R59	20°R20	5♏28	25°R44	24♉57	4♐15	n.a.	S 1
M 2	8 31 47	9°45'24	23°45	27°28	25°33	13♋13	2°34	14♌39	22♊57	20♊19	5°29	25♉32	24°54	4°22	n.a.	M 2
T 3	8 35 43	10°45'25	7♍33	28°44	26°47	12°57	2°46	14°34	22°56	20°18	5°29	25°20	24°50	4°28	n.a.	T 3
W 4	8 39 40	11°45'23	20°56	29°53	28° 2	12°42	2°57	14°29	22°54	20°17	5°29	25°10	24°47	4°35	n.a.	W 4
T 5	8 43 36	12°45'20	3♎56	0♓56	29°17	12°27	3° 8	14°24	22°53	20°16	5°29	25° 2	24°44	4°41	n.a.	T 5
F 6	8 47 33	13°45'15	16°32	1°51	0♒31	12°13	3°20	14°20	22°52	20°15	5°30	24°57	24°41	4°48	n.a.	F 6
S 7	8 51 29	14°45'08	28°48	2°38	1°46	12° 0	3°31	14°15	22°50	20°14	5°30	24°54	24°38	4°55	n.a.	S 7
S 8	8 55 26	15°45'00	10♏49	3°18	3° 0	11°48	3°43	14°10	22°49	20°13	5°30	24°53	24°35	5° 1	n.a.	S 8
M 9	8 59 22	16°44'49	22°41	3°49	4°15	11°36	3°55	14° 5	22°48	20°13	5°30	24°53	24°31	5° 8	n.a.	M 9
T 10	9 3 19	17°44'37	4♐28	4°11	5°29	11°26	4° 7	14° 1	22°47	20°12	5°R30	24°53	24°28	5°15	n.a.	T 10
W11	9 7 16	18°44'23	16°17	4°24	6°44	11°16	4°19	13°56	22°45	20°11	5°30	24°51	24°25	5°21	n.a.	W11
T 12	9 11 12	19°44'08	28°12	4°R29	7°58	11° 6	4°31	13°51	22°44	20°10	5°30	24°47	24°22	5°28	n.a.	T 12
F 13	9 15 9	20°43'50	10♉18	4°26	9°13	10°58	4°43	13°46	22°43	20°10	5°30	24°41	24°19	5°35	n.a.	F 13
S 14	9 19 5	21°43'31	22°38	4°14	10°27	10°50	4°55	13°42	22°42	20° 9	5°30	24°32	24°15	5°41	n.a.	S 14
S 15	9 23 2	22°43'09	5♒14	3°54	11°42	10°44	5° 7	13°37	22°41	20° 8	5°29	24°20	24°12	5°48	n.a.	S 15
M16	9 26 58	23°42'45	18° 6	3°27	12°56	10°38	5°19	13°32	22°41	20° 8	5°29	24° 7	24° 9	5°55	n.a.	M16
T 17	9 30 55	24°42'20	1♓15	2°53	14°11	10°32	5°32	13°28	22°40	20° 7	5°29	23°53	24° 6	6° 1	n.a.	T 17
W18	9 34 51	25°41'52	14°39	2°14	15°25	10°28	5°44	13°23	22°39	20° 7	5°29	23°41	24° 3	6° 8	n.a.	W18
T 19	9 38 48	26°41'21	28°14	1°29	16°40	10°24	5°57	13°19	22°38	20° 6	5°29	23°31	24° 0	6°15	n.a.	T 19
F 20	9 42 44	27°40'49	11♈59	0°41	17°54	10°21	6° 9	13°14	22°37	20° 6	5°28	23°23	23°56	6°21	n.a.	F 20
S 21	9 46 41	28°40'14	25°51	29♒50	19° 8	10°19	6°22	13°10	22°37	20° 5	5°28	23°19	23°53	6°28	n.a.	S 21
S 22	9 50 38	29°39'37	9♉49	28°58	20°23	10°18	6°35	13° 5	22°36	20° 5	5°27	23°17	23°50	6°34	n.a.	S 22
M23	9 54 34	0♓38'57	23°51	28° 4	21°37	10°D17	6°48	13° 1	22°36	20° 5	5°27	23°16	23°47	6°41	n.a.	M23
T 24	9 58 31	1°38'15	7♊56	27°12	22°51	10°17	7° 0	12°56	22°35	20° 4	5°27	23°16	23°44	6°48	n.a.	T 24
W25	10 2 27	2°37'31	22° 5	26°21	24° 6	10°18	7°13	12°52	22°35	20° 4	5°26	23°15	23°40	6°54	n.a.	W25
T 26	10 6 24	3°36'44	6♋15	25°32	25°20	10°20	7°26	12°48	22°34	20° 4	5°26	23°12	23°37	7° 1	n.a.	T 26
F 27	10 10 20	4°35'54	20°25	24°47	26°35	10°22	7°39	12°43	22°34	20° 4	5°25	23° 6	23°34	7° 8	n.a.	F 27
S 28	10 14 17	5♓35'03	4♌30	24♒ 5	27♒49	10♋25	7♈52	12♌39	22♊34	20♊ 3	5♏25	22♉57	23♉31	7♐14	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	18s17	22n42	4n50	12s21	0n39	22s25	0s55	27n22	4n22	0s 7	1s11	18n22	1n51	23n50	0n18	22n30	0s52	1s26	12n47	19n25	19n14	22s 4		n.a.
M 2	18 1	18 29	5 1	11 40	0 53	22 13	0 57	27 22	4 20	0 3	1 11	18 24	1 51	23 50	0 18	22 30	0 52	1 26	12 48	19 22	19 13	22 6		n.a.
T 3	17 45	13 23	4 55	11 0	1 8	22 0	0 58	27 23	4 19	0n 2	1 11	18 25	1 51	23 50	0 18	22 30	0 52	1 25	12 48	19 20	19 12	22 8		n.a.
W 4	17 28	7 47	4 32	10 22	1 22	21 47	1 0	27 23	4 17	0 7	1 10	18 27	1 51	23 50	0 18	22 30	0 52	1 25	12 49	19 17	19 11	22 10		n.a.
T 5	17 11	2 1	3 56	9 46	1 37	21 33	1 2	27 23	4 16	0 11	1 10	18 28	1 51	23 50	0 18	22 30	0 52	1 25	12 49	19 15	19 11	22 12		n.a.
F 6	16 54	3s41	3 8	9 12	1 52	21 19	1 3	27 23	4 14	0 16	1 10	18 30	1 51	23 50	0 18	22 30	0 52	1 25	12 49	19 14	19 10	22 14		n.a.
S 7	16 36	9 6	2 14	8 42	2 6	21 4	1 5	27 22	4 13	0 21	1 10	18 31	1 51	23 50	0 18	22 30	0 52	1 24	12 50	19 13	19 9	22 17		n.a.
S 8	16 18	14 5	1 14	8 15	2 20	20 48	1 7	27 22	4 11	0 26	1 10	18 33	1 51	23 50	0 18	22 30	0 52	1 24	12 50	19 13	19 8	22 19		n.a.
M 9	16 0	18 28	0 12	7 51	2 34	20 32	1 8	27 21	4 9	0 31	1 9	18 34	1 51	23 50	0 18	22 30	0 52	1 24	12 50	19 13	19 8	22 21		n.a.
T 10	15 42	22 7	0s51	7 31	2 46	20 15	1 9	27 20	4 8	0 36	1 9	18 36	1 51	23 50	0 18	22 30	0 52	1 23	12 51	19 13	19 7	22 23		n.a.
W11	15 23	24 51	1 51	7 15	2 58	19 57	1 11	27 19	4 6	0 41	1 9	18 37	1 52	23 50	0 18	22 30	0 52	1 23	12 51	19 12	19 6	22 25		n.a.
T 12	15 4	26 29	2 47	7 3	3 9	19 39	1 12	27 18	4 4	0 46	1 9	18 39	1 52	23 50	0 18	22 30	0 52	1 23	12 51	19 12	19 5	22 27		n.a.
F 13	14 45	26 54	3 36	6 55	3 19	19 21	1 13	27 17	4 2	0 51	1 9	18 40	1 52	23 49	0 18	22 30	0 52	1 22	12 52	19 10	19 4	22 29		n.a.
S 14	14 26	26 0	4 15	6 52	3 27	19 1	1 15	27 16	4 0	0 56	1 8	18 42	1 52	23 49	0 18	22 30	0 52	1 22	12 52	19 8	19 4	22 31		n.a.
S 15	14 6	23 46	4 44	6 52	3 34	18 42	1 16	27 15	3 58	1 1	1 8	18 43	1 52	23 49	0 18	22 30	0 52	1 22	12 52	19 5	19 3	22 33		n.a.
M16	13 47	20 18	4 58	6 57	3 39	18 21	1 17	27 13	3 56	1 6	1 8	18 44	1 52	23 49	0 18	22 30	0 52	1 21	12 53	19 1	19 2	22 35		n.a.
T 17	13 27	15 47	4 58	7 6	3 43	18 1	1 18	27 12	3 54	1 11	1 8	18 46	1 52	23 49	0 18	22 30	0 52	1 21	12 53	18 58	19 1	22 37		n.a.
W18	13 6	10 25	4 40	7 19	3 45	17 39	1 19	27 10	3 52	1 16	1 8	18 47	1 52	23 49	0 18	22 30	0 52	1 21	12 53	18 55	19 0	22 39		n.a.
T 19	12 46	4 29	4 7	7 35	3 44	17 18	1 20	27 8	3 50	1 21	1 8	18 48	1 52	23 49	0 18	22 30	0 52	1 20	12 54	18 52	19 0	22 41		n.a.
F 20	12 25	1n44	3 20	7 54	3 42	16 56	1 21	27 7	3 48	1 27	1 7	18 50	1 52	23 49	0 18	22 30	0 52	1 20	12 54	18 50	18 59	22 43		n.a.
S 21	12 5	7 57	2 19	8 16	3 38	16 33	1 21	27 5	3 46	1 32	1 7	18 51	1 52	23 49	0 18	22 30	0 52	1 19	12 54	18 49	18 58	22 45		n.a.
S 22	11 44	13 49	1 11	8 39	3 33	16 10	1 22	27 3	3 44	1 37	1 7	18 52	1 52	23 49	0 18	22 30	0 52	1 19	12 55	18 49	18 57	22 47		n.a.
M23	11 22	19 0	0n 3	9 5	3 25	15 46	1 23	27 1	3 42	1 42	1 7	18 54	1 52	23 49	0 18	22 30	0 51	1 18	12 55	18 49	18 56	22 49		n.a.
T 24	11 1	23 9	1 17	9 32	3 16	15 22	1 23	26 59	3 40	1 48	1 7	18 55	1 52	23 49	0 18	22 30	0 51	1 18	12 55	18 49	18 56	22 51		n.a.
W25	10 40	25 55	2 26	9 59	3 5	14 58	1 24	26 57	3 38	1 53	1 7	18 56	1 52	23 49	0 18	22 30	0 51	1 17	12 56	18 48	18 55	22 53		n.a.
T 26	10 18	27 1	3 26	10 26	2 54	14 33	1 24	26 54	3 36	1 58	1 6	18 58	1 52	23 49	0 18	22 30	0 51	1 17	12 56	18 48	18 54	22 55		n.a.
F 27	9 56	26 20	4 14	10 54	2 41	14 8	1 25	26 52	3 34	2 4	1 6	18 59	1 52	23 49	0 18	22 30	0 51	1 17	12 56	18 46	18 53	22 57		n.a.
S 28	9s34	23n59	4n46	11s21	2n27	13s42	1s25	26n50	3n32	2n 9	1s 6	19n 0	1n52	23n49	0n18	22n30	0s51	1s16	12n57	18n44	18n52	22s59		n.a.

Julian Day Number = 1637081.5, Delta T = 03h38m33s
Ecliptic obliquity = 23°43'29, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'27, Lahiri = - 7°08'27 Julian Calendar 1 Feb. 231 BCE == Greg. Calendar 28 Jan. 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

MARCH 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 18 13	6♓34'08	18♌29	23°R29	29♒ 3	10♋29	8♈ 5	12°R35	22°R34	20°R 3	5°R24	22°R47	23♉28	7♐21	n.a.	S 1
M 2	10 22 10	7°33'12	2♍15	22♒57	0♓17	10°33	8°19	12♌31	22♊33	20♊ 3	5♏23	22♉35	23°25	7°28	n.a.	M 2
T 3	10 26 7	8°32'14	15°45	22°30	1°32	10°38	8°32	12°27	22°33	20° 3	5°23	22°23	23°21	7°34	n.a.	T 3
W 4	10 30 3	9°31'13	28°56	22° 9	2°46	10°44	8°45	12°23	22°33	20° 3	5°22	22°12	23°18	7°41	n.a.	W 4
T 5	10 34 0	10°30'10	11♎48	21°54	4° 0	10°51	8°58	12°19	22°D33	20°D 3	5°21	22° 4	23°15	7°48	n.a.	T 5
F 6	10 37 56	11°29'05	24°20	21°44	5°14	10°58	9°12	12°15	22°33	20° 3	5°20	21°58	23°12	7°54	n.a.	F 6
S 7	10 41 53	12°27'59	6♏35	21°D40	6°29	11° 5	9°25	12°11	22°33	20° 3	5°20	21°55	23° 9	8° 1	n.a.	S 7
S 8	10 45 49	13°26'50	18°37	21°41	7°43	11°13	9°39	12° 8	22°34	20° 3	5°19	21°D54	23° 6	8° 8	n.a.	S 8
M 9	10 49 46	14°25'40	0♐30	21°47	8°57	11°22	9°52	12° 4	22°34	20° 3	5°18	21°54	23° 2	8°14	n.a.	M 9
T 10	10 53 42	15°24'28	12°18	21°59	10°11	11°32	10° 6	12° 0	22°34	20° 3	5°17	21°R54	22°59	8°21	n.a.	T 10
W11	10 57 39	16°23'14	24° 9	22°16	11°25	11°42	10°19	11°57	22°34	20° 4	5°16	21°54	22°56	8°28	n.a.	W11
T 12	11 1 36	17°21'58	6♑ 5	22°37	12°40	11°52	10°33	11°53	22°35	20° 4	5°15	21°52	22°53	8°34	n.a.	T 12
F 13	11 5 32	18°20'41	18°14	23° 3	13°54	12° 3	10°46	11°50	22°35	20° 4	5°14	21°48	22°50	8°41	n.a.	F 13
S 14	11 9 29	19°19'21	0♒39	23°34	15° 8	12°15	11° 0	11°47	22°36	20° 4	5°13	21°42	22°46	8°47	n.a.	S 14
S 15	11 13 25	20°18'00	13°23	24° 8	16°22	12°27	11°14	11°44	22°36	20° 5	5°12	21°33	22°43	8°54	n.a.	S 15
M16	11 17 22	21°16'37	26°28	24°47	17°36	12°40	11°28	11°40	22°37	20° 5	5°11	21°23	22°40	9° 1	n.a.	M16
T 17	11 21 18	22°15'12	9♓54	25°29	18°50	12°53	11°41	11°37	22°37	20° 5	5°10	21°13	22°37	9° 7	n.a.	T 17
W18	11 25 15	23°13'45	23°39	26°15	20° 5	13° 7	11°55	11°34	22°38	20° 6	5° 9	21° 4	22°34	9°14	n.a.	W18
T 19	11 29 11	24°12'16	7♈39	27° 4	21°19	13°21	12° 9	11°32	22°39	20° 6	5° 8	20°56	22°31	9°21	n.a.	T 19
F 20	11 33 8	25°10'45	21°50	27°57	22°33	13°36	12°23	11°29	22°40	20° 7	5° 7	20°50	22°27	9°27	n.a.	F 20
S 21	11 37 4	26° 9'11	6♉ 7	28°53	23°47	13°52	12°37	11°26	22°40	20° 7	5° 6	20°47	22°24	9°34	n.a.	S 21
S 22	11 41 1	27° 7'36	20°25	29°51	25° 1	14° 7	12°51	11°23	22°41	20° 8	5° 5	20°D46	22°21	9°41	n.a.	S 22
M23	11 44 58	28° 5'58	4♊42	0♓53	26°15	14°24	13° 5	11°21	22°42	20° 8	5° 3	20°47	22°18	9°47	n.a.	M23
T 24	11 48 54	29° 4'19	18°55	1°57	27°29	14°40	13°19	11°19	22°43	20° 9	5° 2	20°48	22°15	9°54	n.a.	T 24
W25	11 52 51	0♈ 2'37	3♋ 2	3° 4	28°43	14°57	13°32	11°16	22°44	20°10	5° 1	20°R48	22°12	10° 1	n.a.	W25
T 26	11 56 47	1° 0'53	17° 2	4°13	29°57	15°15	13°46	11°14	22°45	20°10	5° 0	20°47	22° 8	10° 7	n.a.	T 26
F 27	12 0 44	1°59'07	0♌55	5°25	1♈11	15°33	14° 0	11°12	22°47	20°11	4°58	20°43	22° 5	10°14	n.a.	F 27
S 28	12 4 40	2°57'18	14°38	6°40	2°25	15°51	14°15	11°10	22°48	20°12	4°57	20°38	22° 2	10°21	n.a.	S 28
S 29	12 8 37	3°55'28	28°10	7°56	3°39	16°10	14°29	11° 8	22°49	20°13	4°56	20°31	21°59	10°27	n.a.	S 29
M30	12 12 33	4°53'35	11♍30	9°15	4°53	16°29	14°43	11° 6	22°50	20°13	4°54	20°24	21°56	10°34	n.a.	M30
T 31	12 16 30	5♈51'40	24♍36	10♓36	6♈ 7	16♋49	14♈57	11♌ 4	22♊52	20♊14	4♏53	20♉16	21♉52	10♐41	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	9s12	20n13	5n 0	11s46	2n12	13s16	1s25	26n48	3n30	2n14	1s 6	19n 1	1n52	23n49	0n18	22n30	0s51	1s16	12n57	18n41	18n52	23s 1			n.a.
M 2	8 50	15 24	4 57	12 11	1 58	12 50	1 26	26 45	3 28	2 20	1 6	19 2	1 52	23 49	0 18	22 30	0 51	1 15	12 57	18 38	18 51	23 3			n.a.
T 3	8 28	9 56	4 37	12 34	1 42	12 23	1 26	26 43	3 26	2 25	1 6	19 4	1 52	23 49	0 18	22 30	0 51	1 15	12 58	18 35	18 50	23 5			n.a.
W 4	8 6	4 7	4 2	12 55	1 27	11 57	1 26	26 40	3 24	2 30	1 6	19 5	1 52	23 49	0 18	22 30	0 51	1 14	12 58	18 32	18 49	23 7			n.a.
T 5	7 43	1s43	3 16	13 15	1 12	11 29	1 26	26 38	3 22	2 36	1 5	19 6	1 52	23 49	0 18	22 30	0 51	1 14	12 58	18 30	18 48	23 9			n.a.
F 6	7 20	7 22	2 21	13 32	0 56	11 2	1 26	26 35	3 20	2 41	1 5	19 7	1 52	23 49	0 18	22 30	0 51	1 13	12 58	18 29	18 48	23 11			n.a.
S 7	6 58	12 37	1 21	13 48	0 41	10 34	1 26	26 32	3 18	2 47	1 5	19 8	1 52	23 49	0 18	22 30	0 51	1 13	12 59	18 28	18 47	23 13			n.a.
S 8	6 35	17 18	0 17	14 2	0 27	10 6	1 26	26 30	3 16	2 52	1 5	19 9	1 52	23 49	0 18	22 30	0 51	1 12	12 59	18 27	18 46	23 15			n.a.
M 9	6 12	21 15	0s46	14 13	0 12	9 37	1 25	26 27	3 14	2 58	1 5	19 10	1 52	23 49	0 18	22 30	0 51	1 12	12 59	18 27	18 45	23 17			n.a.
T 10	5 49	24 18	1 47	14 22	0s 2	9 9	1 25	26 24	3 12	3 3	1 5	19 11	1 52	23 49	0 18	22 30	0 51	1 11	13 0	18 28	18 44	23 19			n.a.
W11	5 26	26 19	2 43	14 30	0 15	8 40	1 25	26 21	3 10	3 9	1 5	19 12	1 52	23 49	0 18	22 30	0 51	1 10	13 0	18 28	18 44	23 20			n.a.
T 12	5 3	27 8	3 33	14 35	0 28	8 11	1 24	26 18	3 8	3 14	1 5	19 13	1 52	23 49	0 18	22 30	0 51	1 10	13 0	18 27	18 43	23 22			n.a.
F 13	4 40	26 40	4 14	14 38	0 40	7 42	1 24	26 15	3 6	3 20	1 4	19 14	1 52	23 49	0 18	22 30	0 51	1 9	13 0	18 26	18 42	23 24			n.a.
S 14	4 17	24 52	4 44	14 39	0 52	7 12	1 23	26 12	3 4	3 25	1 4	19 15	1 52	23 49	0 18	22 30	0 51	1 9	13 1	18 24	18 41	23 26			n.a.
S 15	3 53	21 48	5 1	14 38	1 3	6 42	1 23	26 9	3 2	3 31	1 4	19 15	1 52	23 49	0 18	22 30	0 51	1 8	13 1	18 22	18 40	23 28			n.a.
M16	3 30	17 34	5 3	14 35	1 14	6 13	1 22	26 6	3 0	3 36	1 4	19 16	1 51	23 49	0 18	22 30	0 51	1 8	13 1	18 19	18 39	23 30			n.a.
T 17	3 7	12 23	4 48	14 30	1 24	5 43	1 21	26 3	2 58	3 42	1 4	19 17	1 51	23 49	0 18	22 31	0 51	1 7	13 1	18 17	18 39	23 32			n.a.
W18	2 43	6 28	4 17	14 23	1 33	5 12	1 20	26 0	2 56	3 47	1 4	19 18	1 51	23 49	0 18	22 31	0 51	1 7	13 1	18 14	18 38	23 34			n.a.
T 19	2 20	0 8	3 30	14 14	1 42	4 42	1 20	25 56	2 54	3 53	1 4	19 19	1 51	23 49	0 18	22 31	0 51	1 6	13 2	18 12	18 37	23 36			n.a.
F 20	1 56	6n18	2 29	14 3	1 50	4 12	1 19	25 53	2 53	3 58	1 4	19 19	1 51	23 49	0 18	22 31	0 50	1 5	13 2	18 11	18 36	23 37			n.a.
S 21	1 33	12 30	1 18	13 50	1 58	3 41	1 18	25 49	2 51	4 4	1 4	19 20	1 51	23 49	0 18	22 31	0 50	1 5	13 2	18 10	18 35	23 39			n.a.
S 22	1 9	18 2	0 2	13 36	2 5	3 10	1 17	25 46	2 49	4 10	1 3	19 21	1 51	23 49	0 18	22 31	0 50	1 4	13 2	18 10	18 35	23 41			n.a.
M23	0 46	22 33	1n14	13 20	2 11	2 40	1 16	25 42	2 47	4 15	1 3	19 21	1 51	23 49	0 18	22 31	0 50	1 4	13 3	18 10	18 34	23 43			n.a.
T 24	0 22	25 40	2 26	13 2	2 17	2 9	1 14	25 39	2 45	4 21	1 3	19 22	1 51	23 49	0 18	22 31	0 50	1 3	13 3	18 10	18 33	23 45			n.a.
W25	0n 1	27 9	3 27	12 42	2 22	1 38	1 13	25 35	2 44	4 26	1 3	19 23	1 51	23 49	0 18	22 31	0 50	1 3	13 3	18 10	18 32	23 47			n.a.
T 26	0 25	26 52	4 16	12 20	2 26	1 7	1 12	25 31	2 42	4 32	1 3	19 23	1 51	23 49	0 18	22 31	0 50	1 2	13 3	18 10	18 31	23 48			n.a.
F 27	0 48	24 54	4 50	11 57	2 30	0 36	1 11	25 27	2 40	4 37	1 3	19 24	1 51	23 49	0 18	22 31	0 50	1 1	13 3	18 9	18 30	23 50			n.a.
S 28	1 11	21 30	5 6	11 32	2 33	0 5	1 9	25 23	2 38	4 43	1 3	19 24	1 51	23 49	0 18	22 31	0 50	1 1	13 3	18 7	18 30	23 52			n.a.
S 29	1 35	17 1	5 5	11 6	2 36	0n26	1 8	25 19	2 37	4 49	1 3	19 25	1 50	23 50	0 18	22 32	0 50	1 0	13 4	18 6	18 29	23 54			n.a.
M30	1 58	11 45	4 47	10 38	2 38	0 57	1 7	25 15	2 35	4 54	1 3	19 25	1 50	23 50	0 18	22 32	0 50	1 0	13 4	18 4	18 28	23 56			n.a.
T 31	2n21	6n 3	4n15	10s 8	2s39	1n28	1s 5	25n11	2n33	5n 0	1s 3	19n25	1n50	23n50	0n18	22n32	0s50	0s59	13n 4	18n 1	18n27	23s58			n.a.

Julian Day Number = 1637109.5, Delta T = 03h38m32s
Ecliptic obliquity = 23°43'29, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'23, Lahiri = - 7°08'23 Julian Calendar 1 March 231 BCE == Greg. Calendar 25 Feb. 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

APRIL 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 20 27	6♈49'44	7♎28	11♓59	7♈21	17♋ 8	15♈11	11°R 2	22♊53	20♊15	4°R52	20°R 9	21♉49	10♐47	n.a.	W 1
T 2	12 24 23	7°47'46	20° 5	13°24	8°35	17°29	15°25	11♌ 1	22°55	20°16	4♏50	20♉ 4	21°46	10°54	n.a.	T 2
F 3	12 28 20	8°45'46	2♏27	14°51	9°49	17°49	15°39	10°59	22°56	20°17	4°49	20° 0	21°43	11° 1	n.a.	F 3
S 4	12 32 16	9°43'44	14°36	16°21	11° 3	18°10	15°53	10°58	22°58	20°18	4°47	19°D59	21°40	11° 7	n.a.	S 4
S 5	12 36 13	10°41'41	26°35	17°52	12°16	18°32	16° 7	10°57	22°59	20°19	4°46	19°59	21°37	11°14	n.a.	S 5
M 6	12 40 9	11°39'37	8♐26	19°25	13°30	18°53	16°21	10°56	23° 1	20°20	4°44	20° 0	21°33	11°20	n.a.	M 6
T 7	12 44 6	12°37'31	20°15	21° 1	14°44	19°15	16°35	10°54	23° 3	20°21	4°43	20° 2	21°30	11°27	n.a.	T 7
W 8	12 48 2	13°35'24	2♑ 6	22°38	15°58	19°38	16°50	10°54	23° 4	20°22	4°41	20° 3	21°27	11°34	n.a.	W 8
T 9	12 51 59	14°33'15	14° 3	24°17	17°12	20° 0	17° 4	10°53	23° 6	20°23	4°40	20°R 4	21°24	11°40	n.a.	T 9
F 10	12 55 56	15°31'05	26°12	25°59	18°26	20°23	17°18	10°52	23° 8	20°24	4°38	20° 3	21°21	11°47	n.a.	F 10
S 11	12 59 52	16°28'54	8♒37	27°42	19°40	20°46	17°32	10°51	23°10	20°25	4°37	20° 1	21°17	11°54	n.a.	S 11
S 12	13 3 49	17°26'42	21°23	29°27	20°53	21°10	17°46	10°51	23°12	20°27	4°35	19°58	21°14	12° 0	n.a.	S 12
M13	13 7 45	18°24'28	4♓32	1♈14	22° 7	21°34	18° 0	10°50	23°14	20°28	4°34	19°53	21°11	12° 7	n.a.	M13
T 14	13 11 42	19°22'12	18° 6	3° 4	23°21	21°58	18°15	10°50	23°16	20°29	4°32	19°49	21° 8	12°14	n.a.	T 14
W15	13 15 38	20°19'56	2♈ 3	4°55	24°35	22°22	18°29	10°50	23°18	20°30	4°31	19°44	21° 5	12°20	n.a.	W15
T 16	13 19 35	21°17'38	16°20	6°48	25°49	22°47	18°43	10°49	23°20	20°32	4°29	19°41	21° 2	12°27	n.a.	T 16
F 17	13 23 31	22°15'19	0♉53	8°43	27° 2	23°12	18°57	10°D49	23°22	20°33	4°27	19°38	20°58	12°34	n.a.	F 17
S 18	13 27 28	23°12'58	15°35	10°40	28°16	23°37	19°11	10°49	23°24	20°34	4°26	19°D37	20°55	12°40	n.a.	S 18
S 19	13 31 24	24°10'36	0♊18	12°39	29°30	24° 3	19°25	10°50	23°26	20°36	4°24	19°38	20°52	12°47	n.a.	S 19
M20	13 35 21	25° 8'12	14°58	14°40	0♉44	24°28	19°39	10°50	23°29	20°37	4°23	19°39	20°49	12°54	n.a.	M20
T 21	13 39 18	26° 5'47	29°28	16°42	1°57	24°54	19°53	10°50	23°31	20°38	4°21	19°40	20°46	13° 0	n.a.	T 21
W22	13 43 14	27° 3'20	13♋45	18°46	3°11	25°21	20° 7	10°51	23°33	20°40	4°19	19°41	20°43	13° 7	n.a.	W22
T 23	13 47 11	28° 0'52	27°47	20°52	4°25	25°47	20°22	10°51	23°36	20°41	4°18	19°R42	20°39	13°14	n.a.	T 23
F 24	13 51 7	28°58'22	11♌33	22°59	5°38	26°14	20°36	10°52	23°38	20°43	4°16	19°41	20°36	13°20	n.a.	F 24
S 25	13 55 4	29°55'51	25° 2	25° 8	6°52	26°41	20°50	10°53	23°41	20°44	4°14	19°40	20°33	13°27	n.a.	S 25
S 26	13 59 0	0♉53'18	8♍16	27°17	8° 6	27° 8	21° 4	10°54	23°43	20°46	4°13	19°38	20°30	13°34	n.a.	S 26
M27	14 2 57	1°50'44	21°15	29°28	9°19	27°36	21°18	10°54	23°46	20°48	4°11	19°35	20°27	13°40	n.a.	M27
T 28	14 6 53	2°48'08	3♎59	1♉39	10°33	28° 3	21°32	10°56	23°48	20°49	4°10	19°33	20°23	13°47	n.a.	T 28
W29	14 10 50	3°45'31	16°31	3°50	11°47	28°31	21°46	10°57	23°51	20°51	4° 8	19°30	20°20	13°54	n.a.	W29
T 30	14 14 47	4♉42'53	28♎50	6♉ 2	13♉ 0	28♋59	22♈ 0	10♌58	23♊53	20♊52	4♏ 6	19♉29	20♉17	14♐ 0	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n45	0n12	3n30	9s37	2s40	1n59	1s 4	25n 7	2n31	5n 5	1s 3	19n26	1n50	23n50	0n18	22n32	0s50	0s59	13n 4	18n 0	18n26	23s59		n.a.
T 2	3 8	5s33	2 35	9 4	2 40	2 30	1 2	25 3	2 30	5 11	1 2	19 26	1 50	23 50	0 18	22 32	0 50	0 58	13 4	17 58	18 25	24 1		n.a.
F 3	3 31	11 0	1 34	8 29	2 40	3 1	1 0	24 58	2 28	5 16	1 2	19 26	1 50	23 50	0 18	22 32	0 50	0 57	13 4	17 57	18 25	24 3		n.a.
S 4	3 54	15 57	0 29	7 53	2 39	3 31	0 59	24 54	2 27	5 22	1 2	19 27	1 50	23 50	0 18	22 32	0 50	0 57	13 4	17 57	18 24	24 5		n.a.
S 5	4 17	20 12	0s36	7 16	2 38	4 2	0 57	24 49	2 25	5 28	1 2	19 27	1 50	23 50	0 18	22 32	0 50	0 56	13 4	17 57	18 23	24 6		n.a.
M 6	4 40	23 36	1 39	6 37	2 36	4 33	0 55	24 44	2 23	5 33	1 2	19 27	1 50	23 50	0 18	22 32	0 50	0 56	13 5	17 57	18 22	24 8		n.a.
T 7	5 3	25 59	2 38	5 57	2 33	5 3	0 53	24 40	2 22	5 39	1 2	19 27	1 50	23 50	0 18	22 32	0 50	0 55	13 5	17 58	18 21	24 10		n.a.
W 8	5 25	27 12	3 30	5 15	2 30	5 34	0 51	24 35	2 20	5 44	1 2	19 28	1 50	23 50	0 18	22 33	0 50	0 55	13 5	17 58	18 20	24 12		n.a.
T 9	5 48	27 10	4 13	4 32	2 26	6 4	0 50	24 30	2 19	5 50	1 2	19 28	1 49	23 50	0 18	22 33	0 50	0 54	13 5	17 58	18 20	24 13		n.a.
F 10	6 11	25 50	4 46	3 47	2 22	6 34	0 48	24 25	2 17	5 55	1 2	19 28	1 49	23 50	0 18	22 33	0 50	0 53	13 5	17 58	18 19	24 15		n.a.
S 11	6 33	23 14	5 6	3 1	2 17	7 5	0 46	24 20	2 15	6 1	1 2	19 28	1 49	23 51	0 18	22 33	0 50	0 53	13 5	17 57	18 18	24 17		n.a.
S 12	6 56	19 27	5 12	2 14	2 12	7 35	0 44	24 14	2 14	6 6	1 2	19 28	1 49	23 51	0 18	22 33	0 50	0 52	13 5	17 57	18 17	24 19		n.a.
M13	7 18	14 38	5 2	1 26	2 6	8 4	0 42	24 9	2 12	6 12	1 2	19 28	1 49	23 51	0 18	22 33	0 50	0 52	13 5	17 55	18 16	24 20		n.a.
T 14	7 40	8 58	4 35	0 36	2 0	8 34	0 39	24 4	2 11	6 17	1 2	19 28	1 49	23 51	0 18	22 33	0 50	0 51	13 5	17 54	18 15	24 22		n.a.
W15	8 2	2 43	3 52	0n15	1 53	9 3	0 37	23 58	2 9	6 23	1 2	19 28	1 49	23 51	0 18	22 33	0 49	0 51	13 5	17 53	18 15	24 24		n.a.
T 16	8 24	3n51	2 53	1 7	1 46	9 33	0 35	23 53	2 8	6 28	1 2	19 28	1 49	23 51	0 18	22 34	0 49	0 50	13 5	17 52	18 14	24 26		n.a.
F 17	8 46	10 20	1 41	2 0	1 38	10 2	0 33	23 47	2 6	6 34	1 1	19 28	1 49	23 51	0 18	22 34	0 49	0 50	13 5	17 51	18 13	24 27		n.a.
S 18	9 8	16 21	0 22	2 54	1 30	10 30	0 31	23 41	2 5	6 39	1 1	19 28	1 48	23 51	0 18	22 34	0 49	0 49	13 5	17 51	18 12	24 29		n.a.
S 19	9 29	21 25	0n58	3 49	1 21	10 59	0 29	23 35	2 4	6 45	1 1	19 28	1 48	23 51	0 18	22 34	0 49	0 49	13 5	17 51	18 11	24 31		n.a.
M20	9 50	25 6	2 15	4 45	1 12	11 27	0 26	23 29	2 2	6 50	1 1	19 27	1 48	23 51	0 18	22 34	0 49	0 48	13 5	17 51	18 10	24 32		n.a.
T 21	10 12	27 5	3 22	5 41	1 2	11 55	0 24	23 23	2 1	6 55	1 1	19 27	1 48	23 52	0 18	22 34	0 49	0 48	13 5	17 52	18 9	24 34		n.a.
W22	10 33	27 14	4 15	6 38	0 52	12 23	0 22	23 17	1 59	7 1	1 1	19 27	1 48	23 52	0 18	22 34	0 49	0 47	13 5	17 52	18 9	24 36		n.a.
T 23	10 54	25 38	4 53	7 35	0 42	12 50	0 20	23 10	1 58	7 6	1 1	19 27	1 48	23 52	0 18	22 35	0 49	0 47	13 5	17 52	18 8	24 37		n.a.
F 24	11 14	22 31	5 12	8 33	0 32	13 17	0 17	23 4	1 57	7 12	1 1	19 26	1 48	23 52	0 18	22 35	0 49	0 46	13 5	17 52	18 7	24 39		n.a.
S 25	11 35	18 15	5 14	9 30	0 22	13 44	0 15	22 57	1 55	7 17	1 1	19 26	1 48	23 52	0 18	22 35	0 49	0 46	13 5	17 52	18 6	24 41		n.a.
S 26	11 55	13 10	4 59	10 27	0 11	14 11	0 13	22 50	1 54	7 22	1 1	19 26	1 47	23 52	0 18	22 35	0 49	0 45	13 5	17 51	18 5	24 42		n.a.
M27	12 15	7 37	4 29	11 24	0 0	14 37	0 10	22 44	1 53	7 28	1 1	19 25	1 47	23 52	0 18	22 35	0 49	0 45	13 5	17 50	18 4	24 44		n.a.
T 28	12 35	1 50	3 46	12 21	0n10	15 2	0 8	22 37	1 51	7 33	1 1	19 25	1 47	23 52	0 18	22 35	0 49	0 44	13 5	17 50	18 3	24 46		n.a.
W29	12 55	3s55	2 52	13 16	0 21	15 28	0 5	22 30	1 50	7 38	1 1	19 24	1 47	23 53	0 18	22 35	0 49	0 44	13 5	17 49	18 3	24 47		n.a.
T 30	13n15	9s27	1n52	14n11	0n31	15n53	0s 3	22n22	1n49	7n43	1s 1	19n24	1n47	23n53	0n18	22n36	0s49	0s43	13n 5	17n49	18n 2	24s49		n.a.

Julian Day Number = 1637140.5, Delta T = 03h38m31s
Ecliptic obliquity = 23°43'30, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'19, Lahiri = - 7°08'19 Julian Calendar 1 Apr. 231 BCE == Greg. Calendar 28 March 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

MAY 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 18 43	5♉40'14	11♏ 0	8♉14	14♉14	29♋28	22♈13	10♌59	23♊56	20♊54	4°R 5	19°R28	20♉14	14♐ 7	n.a.	F 1
S 2	14 22 40	6°37'34	23° 0	10°25	15°28	29°56	22°27	11° 1	23°59	20°56	4♏ 3	19°D28	20°11	14°14	n.a.	S 2
S 3	14 26 36	7°34'53	4♐54	12°35	16°41	0♌25	22°41	11° 2	24° 2	20°58	4° 1	19♉28	20° 8	14°20	n.a.	S 3
M 4	14 30 33	8°32'12	16°44	14°45	17°55	0°54	22°55	11° 4	24° 4	20°59	4° 0	19°29	20° 4	14°27	n.a.	M 4
T 5	14 34 29	9°29'29	28°32	16°53	19° 8	1°23	23° 9	11° 6	24° 7	21° 1	3°58	19°30	20° 1	14°34	n.a.	T 5
W 6	14 38 26	10°26'46	10♑24	19° 1	20°22	1°52	23°23	11° 8	24°10	21° 3	3°56	19°31	19°58	14°40	n.a.	W 6
T 7	14 42 23	11°24'03	22°21	21° 6	21°36	2°21	23°37	11°10	24°13	21° 5	3°55	19°32	19°55	14°47	n.a.	T 7
F 8	14 46 19	12°21'19	4♒30	23°10	22°49	2°51	23°50	11°12	24°16	21° 6	3°53	19°32	19°52	14°53	n.a.	F 8
S 9	14 50 16	13°18'34	16°54	25°12	24° 3	3°21	24° 4	11°14	24°19	21° 8	3°52	19°R32	19°49	15° 0	n.a.	S 9
S 10	14 54 12	14°15'49	29°37	27°11	25°16	3°51	24°18	11°16	24°22	21°10	3°50	19°32	19°45	15° 7	n.a.	S 10
M11	14 58 9	15°13'03	12♓43	29° 9	26°30	4°21	24°31	11°19	24°25	21°12	3°48	19°32	19°42	15°13	n.a.	M11
T 12	15 2 5	16°10'17	26°15	1♊ 5	27°43	4°51	24°45	11°21	24°28	21°14	3°47	19°31	19°39	15°20	n.a.	T 12
W13	15 6 2	17° 7'30	10♈13	2°58	28°57	5°22	24°58	11°24	24°31	21°16	3°45	19°31	19°36	15°27	n.a.	W13
T 14	15 9 58	18° 4'43	24°36	4°49	0♊10	5°53	25°12	11°26	24°34	21°18	3°44	19°31	19°33	15°33	n.a.	T 14
F 15	15 13 55	19° 1'56	9♉19	6°37	1°24	6°23	25°26	11°29	24°37	21°20	3°42	19°31	19°29	15°40	n.a.	F 15
S 16	15 17 52	19°59'08	24°17	8°23	2°37	6°55	25°39	11°32	24°40	21°22	3°40	19°31	19°26	15°47	n.a.	S 16
S 17	15 21 48	20°56'19	9♊21	10° 7	3°51	7°26	25°52	11°35	24°43	21°23	3°39	19°31	19°23	15°53	n.a.	S 17
M18	15 25 45	21°53'31	24°22	11°48	5° 5	7°57	26° 6	11°38	24°47	21°25	3°37	19°31	19°20	16° 0	n.a.	M18
T 19	15 29 41	22°50'41	9♋12	13°27	6°18	8°29	26°19	11°41	24°50	21°27	3°36	19°30	19°17	16° 7	n.a.	T 19
W20	15 33 38	23°47'51	23°46	15° 3	7°32	9° 0	26°32	11°44	24°53	21°29	3°34	19°30	19°14	16°13	n.a.	W20
T 21	15 37 34	24°45'00	7♌58	16°37	8°45	9°32	26°46	11°47	24°56	21°31	3°33	19°30	19°10	16°20	n.a.	T 21
F 22	15 41 31	25°42'08	21°47	18° 9	9°58	10° 4	26°59	11°51	25° 0	21°34	3°31	19°D29	19° 7	16°27	n.a.	F 22
S 23	15 45 27	26°39'16	5♍12	19°38	11°12	10°36	27°12	11°54	25° 3	21°36	3°30	19°30	19° 4	16°33	n.a.	S 23
S 24	15 49 24	27°36'23	18°17	21° 4	12°25	11° 9	27°25	11°58	25° 6	21°38	3°28	19°30	19° 1	16°40	n.a.	S 24
M25	15 53 21	28°33'30	1♎ 2	22°28	13°39	11°41	27°38	12° 1	25°10	21°40	3°27	19°31	18°58	16°47	n.a.	M25
T 26	15 57 17	29°30'36	13°32	23°49	14°52	12°14	27°51	12° 5	25°13	21°42	3°25	19°32	18°55	16°53	n.a.	T 26
W27	16 1 14	0♏27'41	25°48	25° 7	16° 6	12°46	28° 4	12° 9	25°16	21°44	3°24	19°32	18°51	17° 0	n.a.	W27
T 28	16 5 10	1°24'47	7♏54	26°23	17°19	13°19	28°17	12°13	25°20	21°46	3°23	19°33	18°48	17° 7	n.a.	T 28
F 29	16 9 7	2°21'52	19°52	27°36	18°32	13°52	28°30	12°17	25°23	21°48	3°21	19°R33	18°45	17°13	n.a.	F 29
S 30	16 13 3	3°18'57	1♐45	28°47	19°46	14°25	28°43	12°21	25°27	21°50	3°20	19°33	18°42	17°20	n.a.	S 30
S 31	16 17 0	4♊16'02	13♐35	29♊54	20♊59	14♌58	28♈55	12♌25	25♊30	21♊52	3♏18	19♉32	18♉39	17♐27	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n34	14s34	0n47	15n 4	0n41	16n17	0s 1	22n15	1n47	7n49	1s 1	19n23	1n47	23n53	0n18	22n36	0s49	0s43	13n 5	17n48	18n 1	24s50		n.a.
S 2	13 53	19 4	0s20	15 55	0 51	16 42	0n 2	22 8	1 46	7 54	1 1	19 23	1 47	23 53	0 18	22 36	0 49	0 42	13 5	17 48	18 0	24 52		n.a.
S 3	14 12	22 45	1 25	16 45	1 0	17 5	0 4	22 0	1 45	7 59	1 1	19 22	1 47	23 53	0 18	22 36	0 49	0 42	13 5	17 48	17 59	24 54		n.a.
M 4	14 31	25 28	2 25	17 33	1 9	17 29	0 7	21 53	1 43	8 4	1 1	19 22	1 47	23 53	0 18	22 36	0 49	0 41	13 4	17 49	17 58	24 55		n.a.
T 5	14 50	27 3	3 20	18 19	1 17	17 52	0 9	21 45	1 42	8 10	1 1	19 21	1 46	23 53	0 18	22 36	0 49	0 41	13 4	17 49	17 57	24 57		n.a.
W 6	15 8	27 24	4 6	19 3	1 25	18 14	0 11	21 37	1 41	8 15	1 1	19 21	1 46	23 53	0 18	22 36	0 49	0 41	13 4	17 49	17 57	24 58		n.a.
T 7	15 26	26 29	4 42	19 44	1 33	18 36	0 14	21 29	1 40	8 20	1 1	19 20	1 46	23 54	0 18	22 37	0 49	0 40	13 4	17 49	17 56	25 0		n.a.
F 8	15 44	24 19	5 7	20 23	1 39	18 58	0 16	21 21	1 38	8 25	1 1	19 19	1 46	23 54	0 18	22 37	0 49	0 40	13 4	17 50	17 55	25 1		n.a.
S 9	16 1	20 59	5 17	20 59	1 45	19 19	0 19	21 13	1 37	8 30	1 1	19 18	1 46	23 54	0 18	22 37	0 49	0 39	13 4	17 50	17 54	25 3		n.a.
S 10	16 19	16 36	5 13	21 33	1 51	19 39	0 21	21 4	1 36	8 35	1 1	19 18	1 46	23 54	0 18	22 37	0 49	0 39	13 4	17 49	17 53	25 5		n.a.
M11	16 36	11 21	4 52	22 5	1 55	19 59	0 23	20 56	1 35	8 40	1 1	19 17	1 46	23 54	0 18	22 37	0 49	0 39	13 3	17 49	17 52	25 6		n.a.
T 12	16 52	5 24	4 15	22 34	1 59	20 18	0 26	20 47	1 33	8 45	1 1	19 16	1 46	23 54	0 18	22 37	0 49	0 38	13 3	17 49	17 51	25 8		n.a.
W13	17 9	1n 1	3 21	23 0	2 2	20 37	0 28	20 39	1 32	8 50	1 1	19 15	1 45	23 54	0 18	22 37	0 49	0 38	13 3	17 49	17 50	25 9		n.a.
T 14	17 25	7 34	2 14	23 24	2 5	20 56	0 31	20 30	1 31	8 55	1 1	19 14	1 45	23 54	0 18	22 38	0 49	0 38	13 3	17 49	17 50	25 11		n.a.
F 15	17 41	13 53	0 56	23 45	2 7	21 13	0 33	20 21	1 30	9 0	1 1	19 14	1 45	23 55	0 18	22 38	0 49	0 37	13 3	17 49	17 49	25 12		n.a.
S 16	17 57	19 30	0n26	24 4	2 8	21 30	0 35	20 12	1 29	9 5	1 1	19 13	1 45	23 55	0 18	22 38	0 49	0 37	13 2	17 49	17 48	25 14		n.a.
S 17	18 12	23 54	1 48	24 20	2 8	21 47	0 37	20 2	1 27	9 10	1 1	19 12	1 45	23 55	0 18	22 38	0 49	0 37	13 2	17 49	17 47	25 15		n.a.
M18	18 27	26 38	3 2	24 35	2 8	22 3	0 40	19 53	1 26	9 15	1 1	19 11	1 45	23 55	0 18	22 38	0 48	0 36	13 2	17 49	17 46	25 17		n.a.
T 19	18 42	27 26	4 2	24 47	2 6	22 18	0 42	19 44	1 25	9 20	1 1	19 10	1 45	23 55	0 18	22 38	0 48	0 36	13 2	17 49	17 45	25 18		n.a.
W20	18 57	26 18	4 46	24 56	2 5	22 33	0 44	19 34	1 24	9 25	1 1	19 9	1 45	23 55	0 18	22 39	0 48	0 36	13 2	17 49	17 44	25 20		n.a.
T 21	19 11	23 30	5 11	25 4	2 2	22 47	0 46	19 24	1 23	9 30	1 1	19 8	1 45	23 55	0 18	22 39	0 48	0 36	13 1	17 49	17 44	25 21		n.a.
F 22	19 25	19 24	5 17	25 10	1 59	23 1	0 49	19 15	1 22	9 34	1 1	19 7	1 44	23 55	0 18	22 39	0 48	0 35	13 1	17 49	17 43	25 23		n.a.
S 23	19 38	14 26	5 6	25 14	1 55	23 13	0 51	19 5	1 21	9 39	1 1	19 6	1 44	23 56	0 18	22 39	0 48	0 35	13 1	17 49	17 42	25 24		n.a.
S 24	19 52	8 57	4 38	25 16	1 51	23 26	0 53	18 55	1 19	9 44	1 1	19 4	1 44	23 56	0 18	22 39	0 48	0 35	13 1	17 49	17 41	25 26		n.a.
M25	20 5	3 13	3 58	25 16	1 46	23 37	0 55	18 44	1 18	9 49	1 1	19 3	1 44	23 56	0 18	22 39	0 48	0 35	13 0	17 49	17 40	25 27		n.a.
T 26	20 17	2s32	3 7	25 15	1 40	23 48	0 57	18 34	1 17	9 53	1 1	19 2	1 44	23 56	0 18	22 39	0 48	0 34	13 0	17 49	17 39	25 29		n.a.
W27	20 29	8 6	2 8	25 12	1 34	23 58	0 59	18 24	1 16	9 58	1 1	19 1	1 44	23 56	0 18	22 40	0 48	0 34	13 0	17 50	17 38	25 30		n.a.
T 28	20 41	13 18	1 4	25 7	1 27	24 7	1 1	18 13	1 15	10 3	1 1	19 0	1 44	23 56	0 18	22 40	0 48	0 34	12 59	17 50	17 37	25 32		n.a.
F 29	20 53	17 57	0s 2	25 1	1 19	24 16	1 3	18 2	1 14	10 7	1 1	18 59	1 44	23 56	0 18	22 40	0 48	0 34	12 59	17 50	17 36	25 33		n.a.
S 30	21 4	21 51	1 7	24 54	1 11	24 24	1 5	17 52	1 13	10 12	1 1	18 57	1 44	23 56	0 18	22 40	0 48	0 34	12 59	17 50	17 36	25 34		n.a.
S 31	21n15	24s50	2s 9	24n46	1n 2	24n31	1n 7	17n41	1n12	10n16	1s 1	18n56	1n44	23n57	0n18	22n40	0s48	0s33	12n59	17n49	17n35	25s36		n.a.

Julian Day Number = 1637170.5, Delta T = 03h38m30s
Ecliptic obliquity = 23°43'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'15, Lahiri = - 7°08'15 Julian Calendar 1 May 231 BCE == Greg. Calendar 27 Apr. 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

JUNE 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 20 56	5♊13'08	25♐24	0♋59	22♊13	15♌32	29♈ 8	12♌29	25♊33	21♊55	3°R17	19°R30	18♉35	17♐33	n.a.	M 1
T 2	16 24 53	6°10'13	7♑14	2° 0	23°26	16° 5	29°21	12°33	25°37	21°57	3♏16	19♉28	18°32	17°40	n.a.	T 2
W 3	16 28 50	7° 7'18	19° 8	2°58	24°39	16°39	29°33	12°38	25°40	21°59	3°15	19°25	18°29	17°47	n.a.	W 3
T 4	16 32 46	8° 4'24	1♒ 9	3°53	25°53	17°13	29°46	12°42	25°44	22° 1	3°13	19°23	18°26	17°53	n.a.	T 4
F 5	16 36 43	9° 1'30	13°19	4°45	27° 6	17°47	29°58	12°47	25°48	22° 3	3°12	19°20	18°23	18° 0	n.a.	F 5
S 6	16 40 39	9°58'36	25°43	5°34	28°19	18°21	0♉10	12°51	25°51	22° 5	3°11	19°19	18°20	18° 7	n.a.	S 6
S 7	16 44 36	10°55'43	8♓24	6°18	29°33	18°55	0°23	12°56	25°55	22° 8	3°10	19°D18	18°16	18°13	n.a.	S 7
M 8	16 48 32	11°52'50	21°26	6°59	0♋46	19°29	0°35	13° 1	25°58	22°10	3° 8	19°18	18°13	18°20	n.a.	M 8
T 9	16 52 29	12°49'58	4♈51	7°37	1°59	20° 3	0°47	13° 6	26° 2	22°12	3° 7	19°19	18°10	18°27	n.a.	T 9
W10	16 56 26	13°47'06	18°41	8°10	3°13	20°38	0°59	13°11	26° 5	22°14	3° 6	19°21	18° 7	18°33	n.a.	W10
T 11	17 0 22	14°44'15	2♉58	8°39	4°26	21°13	1°11	13°15	26° 9	22°16	3° 5	19°22	18° 4	18°40	n.a.	T 11
F 12	17 4 19	15°41'25	17°38	9° 4	5°39	21°47	1°23	13°20	26°13	22°19	3° 4	19°R23	18° 0	18°47	n.a.	F 12
S 13	17 8 15	16°38'35	2♊38	9°25	6°52	22°22	1°35	13°26	26°16	22°21	3° 3	19°22	17°57	18°53	n.a.	S 13
S 14	17 12 12	17°35'45	17°49	9°41	8° 6	22°57	1°47	13°31	26°20	22°23	3° 2	19°20	17°54	19° 0	n.a.	S 14
M15	17 16 8	18°32'57	3♋ 2	9°52	9°19	23°32	1°58	13°36	26°23	22°25	3° 1	19°17	17°51	19° 7	n.a.	M15
T 16	17 20 5	19°30'08	18° 7	9°59	10°32	24° 8	2°10	13°41	26°27	22°28	3° 0	19°13	17°48	19°13	n.a.	T 16
W17	17 24 1	20°27'20	2♌54	10°R 1	11°45	24°43	2°22	13°47	26°31	22°30	2°59	19° 9	17°45	19°20	n.a.	W17
T 18	17 27 58	21°24'32	17°19	9°58	12°59	25°18	2°33	13°52	26°34	22°32	2°58	19° 5	17°41	19°27	n.a.	T 18
F 19	17 31 55	22°21'45	1♍16	9°50	14°12	25°54	2°44	13°58	26°38	22°34	2°57	19° 2	17°38	19°33	n.a.	F 19
S 20	17 35 51	23°18'57	14°45	9°37	15°25	26°30	2°56	14° 3	26°42	22°36	2°56	19° 1	17°35	19°40	n.a.	S 20
S 21	17 39 48	24°16'11	27°49	9°20	16°38	27° 5	3° 7	14° 9	26°45	22°39	2°55	19°D 0	17°32	19°47	n.a.	S 21
M22	17 43 44	25°13'24	10♎29	8°58	17°51	27°41	3°18	14°14	26°49	22°41	2°54	19° 1	17°29	19°53	n.a.	M22
T 23	17 47 41	26°10'38	22°51	8°31	19° 5	28°17	3°29	14°20	26°53	22°43	2°53	19° 3	17°26	20° 0	n.a.	T 23
W24	17 51 37	27° 7'52	4♏59	8° 0	20°18	28°53	3°40	14°26	26°56	22°45	2°53	19° 4	17°22	20° 7	n.a.	W24
T 25	17 55 34	28° 5'07	16°57	7°26	21°31	29°30	3°51	14°32	27° 0	22°48	2°52	19°R 5	17°19	20°13	n.a.	T 25
F 26	17 59 30	29° 2'23	28°48	6°48	22°44	0♍ 6	4° 2	14°38	27° 4	22°50	2°51	19° 5	17°16	20°20	n.a.	F 26
S 27	18 3 27	29°59'39	10♐37	6° 8	23°57	0°42	4°12	14°44	27° 7	22°52	2°51	19° 2	17°13	20°27	n.a.	S 27
S 28	18 7 24	0♋56'57	22°26	5°26	25°10	1°19	4°23	14°50	27°11	22°54	2°50	18°58	17°10	20°33	n.a.	S 28
M29	18 11 20	1°54'15	4♑17	4°42	26°23	1°55	4°33	14°56	27°15	22°56	2°49	18°52	17° 7	20°40	n.a.	M29
T 30	18 15 17	2♋51'34	16♑12	3♋57	27♋36	2♍32	4♉43	15♌ 2	27♊18	22♊59	2♏49	18♉45	17♉ 3	20♐47	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n26	26s44	3s 5	24n36	0n53	24n38	1n 8	17n30	1n11	10n21	1s 1	18n55	1n43	23n57	0n18	22n40	0s48	0s33	12n58	17n49	17n34	25s37		n.a.
T 2	21 36	27 25	3 54	24 25	0 43	24 44	1 10	17 19	1 10	10 25	1 1	18 53	1 43	23 57	0 18	22 41	0 48	0 33	12 58	17 48	17 33	25 39		n.a.
W 3	21 45	26 50	4 32	24 14	0 32	24 49	1 12	17 7	1 9	10 30	1 1	18 52	1 43	23 57	0 18	22 41	0 48	0 33	12 58	17 48	17 32	25 40		n.a.
T 4	21 55	25 0	4 59	24 2	0 22	24 53	1 13	16 56	1 8	10 34	1 1	18 51	1 43	23 57	0 18	22 41	0 48	0 33	12 57	17 47	17 31	25 41		n.a.
F 5	22 4	22 1	5 13	23 48	0 10	24 57	1 15	16 44	1 6	10 38	1 1	18 49	1 43	23 57	0 18	22 41	0 48	0 33	12 57	17 46	17 30	25 43		n.a.
S 6	22 13	18 0	5 13	23 35	0s 2	24 59	1 17	16 33	1 5	10 43	1 1	18 48	1 43	23 57	0 18	22 41	0 48	0 33	12 57	17 46	17 29	25 44		n.a.
S 7	22 21	13 6	4 58	23 20	0 14	25 2	1 18	16 21	1 4	10 47	1 1	18 46	1 43	23 57	0 18	22 41	0 48	0 33	12 56	17 46	17 28	25 46		n.a.
M 8	22 29	7 31	4 27	23 5	0 27	25 3	1 20	16 9	1 3	10 51	1 1	18 45	1 43	23 58	0 18	22 41	0 48	0 33	12 56	17 46	17 28	25 47		n.a.
T 9	22 36	1 26	3 41	22 50	0 40	25 4	1 21	15 57	1 2	10 56	1 1	18 44	1 43	23 58	0 18	22 42	0 48	0 33	12 55	17 46	17 27	25 48		n.a.
W10	22 44	4n56	2 41	22 35	0 54	25 3	1 22	15 45	1 1	11 0	1 1	18 42	1 43	23 58	0 18	22 42	0 48	0 33	12 55	17 46	17 26	25 50		n.a.
T 11	22 50	11 15	1 29	22 19	1 8	25 3	1 24	15 33	1 0	11 4	1 1	18 40	1 43	23 58	0 18	22 42	0 48	0 33	12 55	17 47	17 25	25 51		n.a.
F 12	22 57	17 9	0 10	22 3	1 22	25 1	1 25	15 21	0 59	11 8	1 2	18 39	1 42	23 58	0 18	22 42	0 48	0 33	12 54	17 47	17 24	25 52		n.a.
S 13	23 3	22 7	1n12	21 47	1 36	24 59	1 26	15 8	0 58	11 12	1 2	18 37	1 42	23 58	0 18	22 42	0 48	0 33	12 54	17 47	17 23	25 54		n.a.
S 14	23 8	25 39	2 30	21 31	1 51	24 56	1 27	14 56	0 57	11 16	1 2	18 36	1 42	23 58	0 18	22 42	0 48	0 33	12 54	17 46	17 22	25 55		n.a.
M15	23 13	27 18	3 37	21 16	2 5	24 52	1 28	14 43	0 56	11 20	1 2	18 34	1 42	23 58	0 18	22 42	0 48	0 33	12 53	17 45	17 21	25 56		n.a.
T 16	23 18	26 54	4 28	21 1	2 20	24 47	1 29	14 30	0 55	11 24	1 2	18 33	1 42	23 58	0 18	22 43	0 48	0 33	12 53	17 44	17 20	25 58		n.a.
W17	23 23	24 36	5 0	20 46	2 35	24 42	1 30	14 17	0 54	11 28	1 2	18 31	1 42	23 59	0 18	22 43	0 48	0 33	12 52	17 43	17 20	25 59		n.a.
T 18	23 27	20 47	5 12	20 32	2 49	24 36	1 31	14 4	0 53	11 32	1 2	18 29	1 42	23 59	0 18	22 43	0 48	0 33	12 52	17 42	17 19	26 0		n.a.
F 19	23 30	15 54	5 6	20 18	3 3	24 29	1 32	13 51	0 52	11 36	1 2	18 28	1 42	23 59	0 18	22 43	0 48	0 33	12 52	17 41	17 18	26 2		n.a.
S 20	23 33	10 23	4 42	20 6	3 17	24 21	1 33	13 38	0 51	11 40	1 2	18 26	1 42	23 59	0 18	22 43	0 48	0 33	12 51	17 41	17 17	26 3		n.a.
S 21	23 36	4 36	4 4	19 54	3 31	24 13	1 33	13 25	0 50	11 44	1 2	18 24	1 42	23 59	0 18	22 43	0 48	0 33	12 51	17 41	17 16	26 4		n.a.
M22	23 38	1s13	3 15	19 42	3 43	24 4	1 34	13 11	0 49	11 47	1 2	18 22	1 42	23 59	0 18	22 43	0 48	0 33	12 50	17 41	17 15	26 5		n.a.
T 23	23 40	6 51	2 18	19 32	3 55	23 54	1 34	12 58	0 48	11 51	1 2	18 21	1 42	23 59	0 18	22 43	0 48	0 33	12 50	17 41	17 14	26 7		n.a.
W24	23 42	12 9	1 16	19 23	4 6	23 44	1 35	12 44	0 47	11 55	1 2	18 19	1 42	23 59	0 18	22 44	0 48	0 34	12 49	17 42	17 13	26 8		n.a.
T 25	23 43	16 55	0 12	19 16	4 16	23 33	1 35	12 31	0 46	11 58	1 2	18 17	1 42	23 59	0 18	22 44	0 48	0 34	12 49	17 42	17 12	26 9		n.a.
F 26	23 43	20 59	0s53	19 9	4 24	23 21	1 36	12 17	0 46	12 2	1 2	18 15	1 42	23 59	0 18	22 44	0 48	0 34	12 49	17 42	17 11	26 10		n.a.
S 27	23 43	24 11	1 54	19 4	4 31	23 9	1 36	12 3	0 45	12 6	1 2	18 13	1 41	24 0	0 18	22 44	0 48	0 34	12 48	17 41	17 10	26 12		n.a.
S 28	23 43	26 21	2 51	19 0	4 37	22 56	1 36	11 49	0 44	12 9	1 3	18 12	1 41	24 0	0 18	22 44	0 48	0 34	12 48	17 40	17 10	26 13		n.a.
M29	23 43	27 19	3 40	18 58	4 41	22 42	1 36	11 35	0 43	12 13	1 3	18 10	1 41	24 0	0 18	22 44	0 48	0 35	12 47	17 38	17 9	26 14		n.a.
T 30	23n42	27s 2	4s20	18n57	4s43	22n27	1n36	11n21	0n42	12n16	1s 3	18n 8	1n41	24n 0	0n18	22n44	0s48	0s35	12n47	17n36	17n 8	26s15		n.a.

Julian Day Number = 1637201.5, Delta T = 03h38m29s
Ecliptic obliquity = 23°43'29, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'11, Lahiri = - 7°08'10 Julian Calendar 1 June 231 BCE == Greg. Calendar 28 May 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

JULY 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 19 13	3♋48'54	28♉13	3°R13	28♋49	3♍ 9	4♉54	15♌ 8	27♊22	23♊ 1	2°R48	18°R37	17♉ 0	20♐53	n.a.	W 1
T 2	18 23 10	4°46'15	10♒21	2♋29	0♌ 2	3°46	5° 4	15°14	27°26	23° 3	2♏48	18♉28	16°57	21° 0	n.a.	T 2
F 3	18 27 6	5°43'37	22°39	1°48	1°15	4°23	5°14	15°21	27°29	23° 5	2°47	18°21	16°54	21° 7	n.a.	F 3
S 4	18 31 3	6°41'01	5♓ 8	1° 9	2°28	5° 0	5°24	15°27	27°33	23° 7	2°47	18°15	16°51	21°13	n.a.	S 4
S 5	18 35 0	7°38'25	17°51	0°33	3°41	5°37	5°34	15°33	27°37	23°10	2°46	18°11	16°47	21°20	n.a.	S 5
M 6	18 38 56	8°35'51	0♈51	0° 1	4°54	6°14	5°43	15°40	27°40	23°12	2°46	18° 9	16°44	21°27	n.a.	M 6
T 7	18 42 53	9°33'19	14°10	29♊35	6° 7	6°52	5°53	15°46	27°44	23°14	2°45	18°D 9	16°41	21°33	n.a.	T 7
W 8	18 46 49	10°30'48	27°52	29°13	7°20	7°29	6° 2	15°53	27°47	23°16	2°45	18°10	16°38	21°40	n.a.	W 8
T 9	18 50 46	11°28'19	11♉56	28°57	8°33	8° 7	6°12	15°59	27°51	23°18	2°45	18°R11	16°35	21°47	n.a.	T 9
F 10	18 54 42	12°25'51	26°24	28°47	9°46	8°45	6°21	16° 6	27°55	23°20	2°44	18°10	16°32	21°53	n.a.	F 10
S 11	18 58 39	13°23'24	11♊12	28°D44	10°59	9°22	6°30	16°12	27°58	23°23	2°44	18° 8	16°28	22° 0	n.a.	S 11
S 12	19 2 35	14°21'00	26°15	28°48	12°12	10° 0	6°39	16°19	28° 2	23°25	2°44	18° 4	16°25	22° 7	n.a.	S 12
M13	19 6 32	15°18'36	11♋25	28°58	13°24	10°38	6°48	16°26	28° 5	23°27	2°44	17°58	16°22	22°13	n.a.	M13
T 14	19 10 29	16°16'14	26°31	29°16	14°37	11°16	6°57	16°32	28° 9	23°29	2°43	17°49	16°19	22°20	n.a.	T 14
W15	19 14 25	17°13'54	11♌23	29°40	15°50	11°54	7° 5	16°39	28°12	23°31	2°43	17°40	16°16	22°27	n.a.	W15
T 16	19 18 22	18°11'34	25°54	0♋12	17° 3	12°33	7°14	16°46	28°16	23°33	2°43	17°32	16°13	22°33	n.a.	T 16
F 17	19 22 18	19° 9'16	9♍58	0°51	18°16	13°11	7°22	16°53	28°19	23°35	2°43	17°25	16° 9	22°40	n.a.	F 17
S 18	19 26 15	20° 6'58	23°33	1°37	19°28	13°49	7°30	17° 0	28°23	23°37	2°D43	17°19	16° 6	22°47	n.a.	S 18
S 19	19 30 11	21° 4'42	6♎40	2°30	20°41	14°28	7°39	17° 7	28°26	23°39	2°43	17°17	16° 3	22°54	n.a.	S 19
M20	19 34 8	22° 2'27	19°21	3°29	21°54	15° 7	7°46	17°14	28°30	23°41	2°43	17°D15	16° 0	23° 0	n.a.	M20
T 21	19 38 4	23° 0'14	1♏42	4°35	23° 6	15°45	7°54	17°21	28°33	23°43	2°43	17°16	15°57	23° 7	n.a.	T 21
W22	19 42 1	23°58'02	13°47	5°47	24°19	16°24	8° 2	17°28	28°36	23°45	2°43	17°R16	15°53	23°14	n.a.	W22
T 23	19 45 58	24°55'51	25°42	7° 5	25°32	17° 3	8°10	17°35	28°40	23°47	2°43	17°16	15°50	23°20	n.a.	T 23
F 24	19 49 54	25°53'41	7♐31	8°28	26°44	17°42	8°17	17°42	28°43	23°49	2°44	17°14	15°47	23°27	n.a.	F 24
S 25	19 53 51	26°51'33	19°19	9°57	27°57	18°21	8°24	17°49	28°47	23°51	2°44	17°10	15°44	23°34	n.a.	S 25
S 26	19 57 47	27°49'27	1♑10	11°30	29° 9	19° 0	8°31	17°56	28°50	23°53	2°44	17° 3	15°41	23°40	n.a.	S 26
M27	20 1 44	28°47'22	13° 6	13° 7	0♍22	19°39	8°38	18° 3	28°53	23°55	2°44	16°53	15°38	23°47	n.a.	M27
T 28	20 5 40	29°45'18	25° 9	14°49	1°34	20°19	8°45	18°10	28°56	23°57	2°45	16°41	15°34	23°54	n.a.	T 28
W29	20 9 37	0♌43'16	7♒21	16°33	2°47	20°58	8°52	18°18	29° 0	23°59	2°45	16°29	15°31	24° 0	n.a.	W29
T 30	20 13 33	1°41'16	19°42	18°21	3°59	21°38	8°58	18°25	29° 3	24° 1	2°45	16°16	15°28	24° 7	n.a.	T 30
F 31	20 17 30	2♌39'18	2♓13	20♋11	5♍11	22♍17	9♉ 5	18♌32	29♊ 6	24♊ 2	2♏46	16♉ 4	15♉25	24♐14	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23n40	25s28	4s49	18n57	4s44	22n12	1n36	11n 6	0n41	12n19	1s 3	18n 6	1n41	24n 0	0n18	22n45	0s48	0s35	12n46	17n34	17n 7	26s16			n.a.
T 2	23 38	22 44	5 5	18 59	4 43	21 57	1 36	10 52	0 40	12 23	1 3	18 4	1 41	24 0	0 18	22 45	0 48	0 35	12 46	17 32	17 6	26 18			n.a.
F 3	23 36	18 57	5 7	19 3	4 40	21 40	1 36	10 37	0 39	12 26	1 3	18 2	1 41	24 0	0 18	22 45	0 48	0 36	12 45	17 30	17 5	26 19			n.a.
S 4	23 33	14 18	4 54	19 8	4 35	21 24	1 36	10 23	0 38	12 29	1 3	18 0	1 41	24 0	0 18	22 45	0 48	0 36	12 45	17 28	17 4	26 20			n.a.
S 5	23 30	8 57	4 28	19 15	4 29	21 6	1 35	10 8	0 37	12 33	1 3	17 58	1 41	24 0	0 18	22 45	0 48	0 36	12 44	17 27	17 3	26 21			n.a.
M 6	23 27	3 7	3 47	19 23	4 21	20 48	1 35	9 53	0 36	12 36	1 3	17 56	1 41	24 0	0 18	22 45	0 48	0 37	12 44	17 26	17 2	26 22			n.a.
T 7	23 23	3n 1	2 52	19 32	4 11	20 29	1 34	9 39	0 35	12 39	1 3	17 54	1 41	24 0	0 18	22 45	0 48	0 37	12 43	17 26	17 1	26 24			n.a.
W 8	23 18	9 10	1 47	19 43	4 1	20 10	1 34	9 24	0 34	12 42	1 3	17 52	1 41	24 0	0 18	22 45	0 48	0 37	12 43	17 27	17 0	26 25			n.a.
T 9	23 13	15 4	0 33	19 55	3 49	19 50	1 33	9 9	0 34	12 45	1 3	17 50	1 41	24 0	0 18	22 45	0 48	0 38	12 42	17 27	16 59	26 26			n.a.
F 10	23 8	20 18	0n44	20 8	3 36	19 30	1 32	8 53	0 33	12 48	1 4	17 48	1 41	24 1	0 18	22 46	0 48	0 38	12 42	17 27	16 59	26 27			n.a.
S 11	23 3	24 22	2 0	20 21	3 22	19 9	1 32	8 38	0 32	12 51	1 4	17 46	1 41	24 1	0 18	22 46	0 48	0 38	12 41	17 26	16 58	26 28			n.a.
S 12	22 56	26 49	3 9	20 36	3 7	18 48	1 31	8 23	0 31	12 54	1 4	17 44	1 41	24 1	0 18	22 46	0 48	0 39	12 41	17 25	16 57	26 29			n.a.
M13	22 50	27 18	4 5	20 52	2 52	18 26	1 30	8 8	0 30	12 57	1 4	17 42	1 41	24 1	0 18	22 46	0 48	0 39	12 40	17 23	16 56	26 30			n.a.
T 14	22 43	25 45	4 44	21 7	2 36	18 3	1 29	7 52	0 29	12 59	1 4	17 40	1 41	24 1	0 18	22 46	0 48	0 39	12 40	17 21	16 55	26 32			n.a.
W15	22 36	22 24	5 3	21 24	2 20	17 40	1 28	7 37	0 28	13 2	1 4	17 38	1 41	24 1	0 18	22 46	0 48	0 40	12 39	17 18	16 54	26 33			n.a.
T 16	22 28	17 45	5 1	21 40	2 4	17 17	1 27	7 21	0 27	13 5	1 4	17 36	1 41	24 1	0 18	22 46	0 48	0 40	12 39	17 16	16 53	26 34			n.a.
F 17	22 20	12 15	4 42	21 56	1 47	16 53	1 25	7 5	0 26	13 7	1 4	17 34	1 41	24 1	0 18	22 46	0 48	0 41	12 38	17 14	16 52	26 35			n.a.
S 18	22 12	6 21	4 6	22 12	1 31	16 29	1 24	6 50	0 26	13 10	1 4	17 32	1 41	24 1	0 18	22 46	0 48	0 41	12 38	17 12	16 51	26 36			n.a.
S 19	22 3	0 22	3 19	22 27	1 15	16 4	1 23	6 34	0 25	13 13	1 4	17 29	1 41	24 1	0 18	22 47	0 48	0 42	12 37	17 12	16 50	26 37			n.a.
M20	21 54	5s27	2 23	22 42	0 59	15 39	1 21	6 18	0 24	13 15	1 4	17 27	1 41	24 1	0 18	22 47	0 48	0 42	12 37	17 11	16 49	26 38			n.a.
T 21	21 44	10 55	1 22	22 55	0 44	15 14	1 20	6 2	0 23	13 18	1 5	17 25	1 41	24 1	0 18	22 47	0 48	0 43	12 36	17 11	16 48	26 39			n.a.
W22	21 34	15 52	0 19	23 7	0 29	14 48	1 18	5 46	0 22	13 20	1 5	17 23	1 41	24 1	0 18	22 47	0 48	0 43	12 36	17 11	16 47	26 40			n.a.
T 23	21 24	20 8	0s45	23 18	0 14	14 22	1 16	5 30	0 21	13 22	1 5	17 21	1 41	24 1	0 18	22 47	0 48	0 44	12 35	17 11	16 47	26 41			n.a.
F 24	21 13	23 34	1 46	23 27	0 0	13 55	1 14	5 14	0 20	13 25	1 5	17 18	1 41	24 1	0 18	22 47	0 48	0 44	12 35	17 11	16 46	26 42			n.a.
S 25	21 2	25 58	2 42	23 34	0n13	13 28	1 13	4 57	0 19	13 27	1 5	17 16	1 41	24 1	0 18	22 47	0 48	0 45	12 34	17 10	16 45	26 43			n.a.
S 26	20 51	27 14	3 31	23 39	0 25	13 1	1 11	4 41	0 19	13 29	1 5	17 14	1 41	24 1	0 18	22 47	0 48	0 45	12 34	17 8	16 44	26 44			n.a.
M27	20 39	27 14	4 11	23 41	0 37	12 33	1 9	4 25	0 18	13 31	1 5	17 12	1 41	24 2	0 18	22 47	0 48	0 46	12 33	17 5	16 43	26 45			n.a.
T 28	20 27	25 57	4 40	23 41	0 48	12 5	1 7	4 8	0 17	13 33	1 5	17 10	1 41	24 2	0 18	22 47	0 48	0 46	12 33	17 1	16 42	26 46			n.a.
W29	20 14	23 26	4 57	23 38	0 58	11 37	1 5	3 52	0 16	13 35	1 5	17 7	1 41	24 2	0 18	22 47	0 48	0 47	12 32	16 58	16 41	26 47			n.a.
T 30	20 1	19 49	5 0	23 33	1 7	11 8	1 2	3 35	0 15	13 37	1 6	17 5	1 41	24 2	0 18	22 47	0 48	0 48	12 32	16 54	16 40	26 48			n.a.
F 31	19n48	15s18	4s49	23n25	1n15	10n39	1n 0	3n19	0n14	13n39	1s 6	17n 3	1n41	24n 2	0n18	22n48	0s48	0s48	12n31	16n51	16n39	26s49			n.a.

Julian Day Number = 1637231.5, Delta T = 03h38m28s
Ecliptic obliquity = 23°43'29, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'07, Lahiri = - 7°08'06 Julian Calendar 1 July 231 BCE == Greg. Calendar 27 June 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

AUGUST 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 21 27	3♌37'22	14♓55	22♋ 3	6♍24	22♍57	9♉11	18♌39	29♊ 9	24♊ 4	2♏46	15°R54	15♉22	24♐20	n.a.	S 1
S 2	20 25 23	4°35'27	27°49	23°57	7°36	23°37	9°17	18°47	29°12	24° 6	2°47	15♉47	15°18	24°27	n.a.	S 2
M 3	20 29 20	5°33'35	10♈55	25°52	8°48	24°17	9°23	18°54	29°16	24° 8	2°47	15°43	15°15	24°34	n.a.	M 3
T 4	20 33 16	6°31'44	24°16	27°48	10° 0	24°56	9°28	19° 1	29°19	24°10	2°48	15°41	15°12	24°40	n.a.	T 4
W 5	20 37 13	7°29'56	7♉53	29°44	11°13	25°36	9°34	19° 8	29°22	24°11	2°48	15°40	15° 9	24°47	n.a.	W 5
T 6	20 41 9	8°28'10	21°48	1♌40	12°25	26°17	9°39	19°16	29°25	24°13	2°49	15°40	15° 6	24°54	n.a.	T 6
F 7	20 45 6	9°26'27	6♊ 1	3°37	13°37	26°57	9°45	19°23	29°28	24°15	2°50	15°39	15° 3	25° 0	n.a.	F 7
S 8	20 49 2	10°24'45	20°31	5°33	14°49	27°37	9°50	19°31	29°31	24°16	2°50	15°36	14°59	25° 7	n.a.	S 8
S 9	20 52 59	11°23'06	5♋15	7°29	16° 1	28°17	9°55	19°38	29°34	24°18	2°51	15°31	14°56	25°14	n.a.	S 9
M10	20 56 56	12°21'29	20° 7	9°25	17°13	28°58	9°59	19°45	29°37	24°20	2°52	15°22	14°53	25°20	n.a.	M10
T 11	21 0 52	13°19'54	4♌58	11°19	18°25	29°38	10° 4	19°53	29°40	24°21	2°52	15°12	14°50	25°27	n.a.	T 11
W12	21 4 49	14°18'21	19°41	13°13	19°37	0♎19	10° 8	20° 0	29°43	24°23	2°53	15° 0	14°47	25°34	n.a.	W12
T 13	21 8 45	15°16'50	4♍ 6	15° 7	20°49	1° 0	10°12	20° 8	29°45	24°24	2°54	14°49	14°44	25°40	n.a.	T 13
F 14	21 12 42	16°15'20	18° 9	16°59	22° 1	1°40	10°16	20°15	29°48	24°26	2°55	14°39	14°40	25°47	n.a.	F 14
S 15	21 16 38	17°13'53	1♎45	18°50	23°13	2°21	10°20	20°22	29°51	24°28	2°56	14°31	14°37	25°54	n.a.	S 15
S 16	21 20 35	18°12'27	14°53	20°40	24°25	3° 2	10°24	20°30	29°54	24°29	2°57	14°26	14°34	26° 0	n.a.	S 16
M17	21 24 31	19°11'03	27°37	22°30	25°36	3°43	10°27	20°37	29°56	24°30	2°58	14°24	14°31	26° 7	n.a.	M17
T 18	21 28 28	20° 9'41	9♏59	24°18	26°48	4°24	10°30	20°45	29°59	24°32	2°59	14°23	14°28	26°14	n.a.	T 18
W19	21 32 25	21° 8'20	22° 5	26° 5	28° 0	5° 5	10°33	20°52	0♋ 2	24°33	3° 0	14°23	14°24	26°21	n.a.	W19
T 20	21 36 21	22° 7'02	4♐ 1	27°51	29°12	5°47	10°36	21° 0	0° 4	24°35	3° 1	14°23	14°21	26°27	n.a.	T 20
F 21	21 40 18	23° 5'45	15°50	29°37	0♎23	6°28	10°39	21° 7	0° 7	24°36	3° 2	14°21	14°18	26°34	n.a.	F 21
S 22	21 44 14	24° 4'30	27°40	1♍21	1°35	7° 9	10°42	21°14	0° 9	24°37	3° 3	14°17	14°15	26°41	n.a.	S 22
S 23	21 48 11	25° 3'17	9♑33	3° 4	2°46	7°51	10°44	21°22	0°12	24°39	3° 4	14°10	14°12	26°47	n.a.	S 23
M24	21 52 7	26° 2'06	21°35	4°46	3°58	8°32	10°46	21°29	0°14	24°40	3° 5	14° 0	14° 9	26°54	n.a.	M24
T 25	21 56 4	27° 0'57	3♒47	6°27	5° 9	9°14	10°48	21°37	0°17	24°41	3° 7	13°49	14° 5	27° 1	n.a.	T 25
W26	22 0 0	27°59'50	16°11	8° 8	6°20	9°56	10°50	21°44	0°19	24°42	3° 8	13°36	14° 2	27° 7	n.a.	W26
T 27	22 3 57	28°58'45	28°47	9°47	7°32	10°37	10°51	21°52	0°21	24°44	3° 9	13°23	13°59	27°14	n.a.	T 27
F 28	22 7 53	29°57'42	11♓37	11°25	8°43	11°19	10°53	21°59	0°24	24°45	3°11	13°11	13°56	27°21	n.a.	F 28
S 29	22 11 50	0♍56'41	24°38	13° 3	9°54	12° 1	10°54	22° 6	0°26	24°46	3°12	13° 1	13°53	27°27	n.a.	S 29
S 30	22 15 47	1°55'42	7♈51	14°39	11° 5	12°43	10°55	22°14	0°28	24°47	3°13	12°54	13°50	27°34	n.a.	S 30
M31	22 19 43	2♍54'46	21♈14	16♍15	12♎16	13♎25	10♉55	22♌21	0♋30	24♊48	3♏15	12♉49	13♉46	27♐41	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	19n34	10s 3	4s24	23n14	1n22	10n10	0n58	3n 2	0n14	13n41	1s 6	17n 1	1n41	24n 2	0n18	22n48	0s48	0s49	12n31	16n48	16n38	26s50		n.a.	
S 2	19 21	4 18	3 44	23 1	1 28	9 41	0 55	2 46	0 13	13 43	1 6	16 58	1 41	24 2	0 18	22 48	0 48	0 50	12 30	16 46	16 37	26 51		n.a.	
M 3	19 6	1n44	2 53	22 45	1 33	9 11	0 53	2 29	0 12	13 45	1 6	16 56	1 41	24 2	0 18	22 48	0 48	0 50	12 30	16 44	16 36	26 52		n.a.	
T 4	18 52	7 48	1 51	22 27	1 38	8 41	0 51	2 12	0 11	13 46	1 6	16 54	1 41	24 2	0 18	22 48	0 48	0 51	12 29	16 44	16 35	26 53		n.a.	
W 5	18 37	13 39	0 41	22 6	1 41	8 11	0 48	1 55	0 10	13 48	1 6	16 51	1 41	24 2	0 18	22 48	0 48	0 51	12 29	16 44	16 34	26 54		n.a.	
T 6	18 22	18 57	0n32	21 43	1 44	7 41	0 45	1 39	0 9	13 50	1 6	16 49	1 41	24 2	0 19	22 48	0 48	0 52	12 28	16 44	16 33	26 55		n.a.	
F 7	18 6	23 18	1 45	21 18	1 46	7 10	0 43	1 22	0 9	13 51	1 7	16 47	1 41	24 2	0 19	22 48	0 48	0 53	12 28	16 43	16 33	26 56		n.a.	
S 8	17 50	26 15	2 53	20 50	1 47	6 40	0 40	1 5	0 8	13 53	1 7	16 44	1 41	24 2	0 19	22 48	0 48	0 54	12 27	16 43	16 32	26 57		n.a.	
S 9	17 34	27 27	3 50	20 21	1 48	6 9	0 37	0 48	0 7	13 54	1 7	16 42	1 41	24 2	0 19	22 48	0 48	0 54	12 27	16 41	16 31	26 58		n.a.	
M10	17 18	26 41	4 32	19 51	1 48	5 38	0 34	0 31	0 6	13 56	1 7	16 40	1 41	24 2	0 19	22 48	0 48	0 55	12 26	16 38	16 30	26 59		n.a.	
T 11	17 1	24 1	4 56	19 18	1 47	5 7	0 31	0 14	0 5	13 57	1 7	16 37	1 41	24 2	0 19	22 48	0 48	0 56	12 26	16 35	16 29	27 0		n.a.	
W12	16 44	19 49	4 59	18 44	1 46	4 35	0 28	0s 3	0 5	13 58	1 7	16 35	1 41	24 2	0 19	22 48	0 48	0 56	12 25	16 32	16 28	27 1		n.a.	
T 13	16 27	14 31	4 44	18 9	1 44	4 4	0 25	0 20	0 4	13 59	1 7	16 33	1 41	24 2	0 19	22 48	0 48	0 57	12 25	16 28	16 27	27 2		n.a.	
F 14	16 9	8 35	4 11	17 33	1 42	3 33	0 22	0 38	0 3	14 1	1 7	16 30	1 41	24 2	0 19	22 48	0 48	0 58	12 24	16 25	16 26	27 3		n.a.	
S 15	15 51	2 26	3 25	16 55	1 39	3 1	0 19	0 55	0 2	14 2	1 8	16 28	1 41	24 2	0 19	22 49	0 48	0 59	12 24	16 23	16 25	27 3		n.a.	
S 16	15 33	3s39	2 29	16 17	1 36	2 29	0 16	1 12	0 1	14 3	1 8	16 26	1 41	24 2	0 19	22 49	0 48	0 59	12 23	16 22	16 24	27 4		n.a.	
M17	15 15	9 23	1 28	15 38	1 32	1 58	0 13	1 29	0 1	14 4	1 8	16 23	1 41	24 2	0 19	22 49	0 48	1 0	12 23	16 21	16 23	27 5		n.a.	
T 18	14 56	14 37	0 23	14 58	1 28	1 26	0 9	1 46	0s 0	14 5	1 8	16 21	1 41	24 2	0 19	22 49	0 48	1 1	12 23	16 21	16 22	27 6		n.a.	
W19	14 37	19 10	0s41	14 17	1 24	0 54	0 6	2 3	0 1	14 5	1 8	16 19	1 42	24 2	0 19	22 49	0 48	1 2	12 22	16 21	16 21	27 7		n.a.	
T 20	14 18	22 52	1 42	13 36	1 19	0 22	0 3	2 21	0 2	14 6	1 8	16 16	1 42	24 2	0 19	22 49	0 48	1 3	12 22	16 21	16 20	27 8		n.a.	
F 21	13 59	25 35	2 38	12 54	1 14	0s10	0s 1	2 38	0 2	14 7	1 8	16 14	1 42	24 2	0 19	22 49	0 48	1 3	12 21	16 20	16 19	27 9		n.a.	
S 22	13 39	27 10	3 28	12 12	1 9	0 42	0 4	2 55	0 3	14 8	1 8	16 12	1 42	24 2	0 19	22 49	0 48	1 4	12 21	16 19	16 18	27 9		n.a.	
S 23	13 19	27 30	4 8	11 29	1 3	1 14	0 7	3 13	0 4	14 8	1 9	16 9	1 42	24 2	0 19	22 49	0 48	1 5	12 20	16 17	16 17	27 10		n.a.	
M24	12 59	26 33	4 38	10 46	0 58	1 46	0 11	3 30	0 5	14 9	1 9	16 7	1 42	24 2	0 19	22 49	0 48	1 6	12 20	16 14	16 16	27 11		n.a.	
T 25	12 39	24 20	4 56	10 3	0 52	2 17	0 14	3 47	0 5	14 9	1 9	16 4	1 42	24 2	0 19	22 49	0 48	1 7	12 19	16 10	16 15	27 12		n.a.	
W26	12 19	20 57	5 0	9 19	0 46	2 49	0 18	4 4	0 6	14 10	1 9	16 2	1 42	24 2	0 19	22 49	0 48	1 7	12 19	16 6	16 14	27 13		n.a.	
T 27	11 58	16 33	4 50	8 36	0 39	3 21	0 22	4 22	0 7	14 10	1 9	16 0	1 42	24 2	0 19	22 49	0 48	1 8	12 18	16 3	16 14	27 14		n.a.	
F 28	11 37	11 22	4 25	7 52	0 33	3 53	0 25	4 39	0 8	14 10	1 9	15 57	1 42	24 2	0 19	22 49	0 48	1 9	12 18	15 59	16 13	27 14		n.a.	
S 29	11 16	5 36	3 46	7 8	0 26	4 24	0 29	4 56	0 8	14 11	1 9	15 55	1 42	24 2	0 19	22 49	0 48	1 10	12 17	15 56	16 12	27 15		n.a.	
S 30	10 55	0n29	2 54	6 25	0 19	4 56	0 32	5 13	0 9	14 11	1 9	15 53	1 42	24 2	0 19	22 49	0 48	1 11	12 17	15 54	16 11	27 16		n.a.	
M31	10n33	6n39	1s52	5n41	0n13	5s28	0s36	5s31	0s10	14n11	1s10	15n50	1n42	24n 2	0n19	22n49	0s48	1s12	12n17	15n52	16n10	27s17		n.a.	

Julian Day Number = 1637262.5, Delta T = 03h38m27s
Ecliptic obliquity = 23°43'30, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°15'03, Lahiri = - 7°08'02 Julian Calendar 1 Aug. 231 BCE == Greg. Calendar 28 July 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

SEPTEMBER 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 23 40	3♍53'52	4♉48	17♍50	13♎27	14♎ 7	10♉56	22♌28	0♋32	24♊49	3♏16	12°R48	13♉43	27♐47	n.a.	T 1
W 2	22 27 36	4°53'00	18°31	19°24	14°38	14°50	10°56	22°36	0°34	24°50	3°17	12°D47	13°40	27°54	n.a.	W 2
T 3	22 31 33	5°52'11	2♊26	20°57	15°49	15°32	10°R56	22°43	0°36	24°51	3°19	12°R48	13°37	28° 1	n.a.	T 3
F 4	22 35 29	6°51'25	16°30	22°29	17° 0	16°14	10°56	22°50	0°38	24°52	3°20	12♉48	13°34	28° 7	n.a.	F 4
S 5	22 39 26	7°50'41	0♋45	24° 1	18°11	16°57	10°56	22°58	0°40	24°53	3°22	12°46	13°30	28°14	n.a.	S 5
S 6	22 43 22	8°49'59	15° 8	25°31	19°22	17°39	10°56	23° 5	0°42	24°54	3°24	12°41	13°27	28°21	n.a.	S 6
M 7	22 47 19	9°49'20	29°35	27° 1	20°32	18°22	10°55	23°12	0°44	24°55	3°25	12°34	13°24	28°27	n.a.	M 7
T 8	22 51 16	10°48'44	14♌ 1	28°30	21°43	19° 5	10°54	23°19	0°46	24°56	3°27	12°25	13°21	28°34	n.a.	T 8
W 9	22 55 12	11°48'09	28°20	29°59	22°54	19°47	10°53	23°27	0°47	24°56	3°28	12°15	13°18	28°41	n.a.	W 9
T 10	22 59 9	12°47'37	12♍27	1♎26	24° 4	20°30	10°52	23°34	0°49	24°57	3°30	12° 5	13°15	28°48	n.a.	T 10
F 11	23 3 5	13°47'06	26°15	2°53	25°15	21°13	10°50	23°41	0°51	24°58	3°32	11°57	13°11	28°54	n.a.	F 11
S 12	23 7 2	14°46'38	9♎42	4°18	26°25	21°56	10°49	23°48	0°52	24°59	3°33	11°50	13° 8	29° 1	n.a.	S 12
S 13	23 10 58	15°46'12	22°47	5°43	27°35	22°39	10°47	23°55	0°54	24°59	3°35	11°46	13° 5	29° 8	n.a.	S 13
M14	23 14 55	16°45'48	5♏29	7° 7	28°45	23°22	10°45	24° 2	0°55	25° 0	3°37	11°44	13° 2	29°14	n.a.	M14
T 15	23 18 51	17°45'25	17°52	8°30	29°56	24° 5	10°42	24° 9	0°57	25° 0	3°39	11°D44	12°59	29°21	n.a.	T 15
W16	23 22 48	18°45'05	29°59	9°52	1♏ 6	24°49	10°40	24°16	0°58	25° 1	3°40	11°45	12°56	29°28	n.a.	W16
T 17	23 26 45	19°44'47	11♐56	11°13	2°16	25°32	10°37	24°23	0°59	25° 2	3°42	11°46	12°52	29°34	n.a.	T 17
F 18	23 30 41	20°44'30	23°47	12°33	3°25	26°15	10°35	24°30	1° 1	25° 2	3°44	11°R46	12°49	29°41	n.a.	F 18
S 19	23 34 38	21°44'15	5♑38	13°52	4°35	26°59	10°31	24°37	1° 2	25° 3	3°46	11°45	12°46	29°48	n.a.	S 19
S 20	23 38 34	22°44'02	17°33	15° 9	5°45	27°42	10°28	24°44	1° 3	25° 3	3°48	11°42	12°43	29°54	n.a.	S 20
M21	23 42 31	23°43'51	29°38	16°25	6°55	28°26	10°25	24°51	1° 4	25° 3	3°50	11°37	12°40	0♑ 1	n.a.	M21
T 22	23 46 27	24°43'42	11♒55	17°40	8° 4	29°10	10°21	24°58	1° 5	25° 4	3°52	11°30	12°36	0° 8	n.a.	T 22
W23	23 50 24	25°43'34	24°28	18°53	9°14	29°53	10°17	25° 4	1° 6	25° 4	3°54	11°21	12°33	0°14	n.a.	W23
T 24	23 54 20	26°43'29	7♓18	20° 5	10°23	0♏37	10°13	25°11	1° 7	25° 4	3°56	11°13	12°30	0°21	n.a.	T 24
F 25	23 58 17	27°43'25	20°25	21°14	11°32	1°21	10° 9	25°18	1° 8	25° 5	3°58	11° 6	12°27	0°28	n.a.	F 25
S 26	0 2 13	28°43'23	3♈48	22°22	12°41	2° 5	10° 5	25°24	1° 9	25° 5	4° 0	10°59	12°24	0°35	n.a.	S 26
S 27	0 6 10	29°43'24	17°26	23°27	13°50	2°49	10° 0	25°31	1°10	25° 5	4° 2	10°55	12°21	0°41	n.a.	S 27
M28	0 10 7	0♎43'26	1♉14	24°30	14°59	3°33	9°56	25°38	1°11	25° 5	4° 4	10°53	12°17	0°48	n.a.	M28
T 29	0 14 3	1°43'31	15°11	25°30	16° 8	4°17	9°51	25°44	1°11	25° 5	4° 6	10°D52	12°14	0°55	n.a.	T 29
W30	0 18 0	2♎43'37	29♉14	26♎27	17♏16	5♏ 1	9♉46	25♌50	1♋12	25♊ 5	4♏ 8	10♉53	12♉11	1♑ 1	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n12	12n36	0s42	4n57	0n 6	5s59	0s40	5s48	0s11	14n11	1s10	15n48	1n43	24n 3	0n19	22n49	0s48	1s13	12n16	15n52	16n 9	27s17		n.a.
W 2	9 50	18 2	0n30	4 14	0s 1	6 30	0 43	6 5	0 11	14 11	1 10	15 46	1 43	24 3	0 19	22 49	0 48	1 13	12 16	15 52	16 8	27 18		n.a.
T 3	9 28	22 34	1 42	3 30	0 8	7 1	0 47	6 22	0 12	14 11	1 10	15 43	1 43	24 3	0 19	22 49	0 48	1 14	12 15	15 52	16 7	27 19		n.a.
F 4	9 6	25 50	2 49	2 47	0 15	7 32	0 51	6 39	0 13	14 11	1 10	15 41	1 43	24 3	0 19	22 49	0 48	1 15	12 15	15 52	16 6	27 20		n.a.
S 5	8 44	27 30	3 46	2 4	0 23	8 3	0 55	6 57	0 14	14 11	1 10	15 39	1 43	24 3	0 19	22 49	0 48	1 16	12 14	15 51	16 5	27 20		n.a.
S 6	8 21	27 19	4 30	1 21	0 30	8 34	0 58	7 14	0 14	14 10	1 10	15 36	1 43	24 3	0 19	22 49	0 48	1 17	12 14	15 50	16 4	27 21		n.a.
M 7	7 59	25 18	4 56	0 38	0 37	9 4	1 2	7 31	0 15	14 10	1 10	15 34	1 43	24 3	0 19	22 49	0 48	1 18	12 14	15 48	16 3	27 22		n.a.
T 8	7 36	21 39	5 3	0s 4	0 44	9 35	1 6	7 48	0 16	14 10	1 10	15 32	1 43	24 3	0 19	22 49	0 48	1 19	12 13	15 45	16 2	27 22		n.a.
W 9	7 13	16 45	4 52	0 46	0 51	10 5	1 10	8 5	0 16	14 9	1 11	15 29	1 43	24 3	0 19	22 49	0 48	1 20	12 13	15 42	16 1	27 23		n.a.
T 10	6 50	11 0	4 23	1 28	0 59	10 35	1 13	8 22	0 17	14 9	1 11	15 27	1 43	24 3	0 19	22 49	0 48	1 21	12 12	15 39	16 0	27 24		n.a.
F 11	6 27	4 50	3 38	2 10	1 6	11 4	1 17	8 39	0 18	14 8	1 11	15 25	1 44	24 3	0 19	22 49	0 48	1 22	12 12	15 36	15 59	27 25		n.a.
S 12	6 4	1s24	2 43	2 50	1 13	11 34	1 21	8 56	0 19	14 8	1 11	15 22	1 44	24 3	0 19	22 49	0 48	1 23	12 12	15 34	15 58	27 25		n.a.
S 13	5 41	7 25	1 40	3 31	1 20	12 3	1 24	9 13	0 19	14 7	1 11	15 20	1 44	24 3	0 19	22 49	0 48	1 23	12 11	15 33	15 57	27 26		n.a.
M14	5 17	12 59	0 33	4 11	1 27	12 32	1 28	9 30	0 20	14 6	1 11	15 18	1 44	24 3	0 19	22 49	0 48	1 24	12 11	15 32	15 56	27 27		n.a.
T 15	4 54	17 53	0s33	4 50	1 34	13 0	1 32	9 46	0 21	14 5	1 11	15 16	1 44	24 3	0 19	22 49	0 48	1 25	12 11	15 32	15 55	27 27		n.a.
W16	4 30	21 58	1 37	5 29	1 40	13 29	1 35	10 3	0 21	14 4	1 11	15 13	1 44	24 3	0 19	22 49	0 48	1 26	12 10	15 32	15 54	27 28		n.a.
T 17	4 6	25 3	2 35	6 8	1 47	13 57	1 39	10 20	0 22	14 3	1 11	15 11	1 44	24 3	0 19	22 49	0 48	1 27	12 10	15 33	15 53	27 28		n.a.
F 18	3 43	27 1	3 27	6 45	1 53	14 25	1 43	10 36	0 23	14 2	1 11	15 9	1 44	24 3	0 20	22 49	0 48	1 28	12 9	15 33	15 52	27 29		n.a.
S 19	3 19	27 45	4 9	7 22	2 0	14 52	1 46	10 53	0 23	14 1	1 12	15 7	1 45	24 3	0 20	22 49	0 48	1 29	12 9	15 32	15 51	27 30		n.a.
S 20	2 55	27 12	4 41	7 58	2 6	15 19	1 50	11 9	0 24	14 0	1 12	15 4	1 45	24 3	0 20	22 49	0 48	1 30	12 9	15 31	15 50	27 30		n.a.
M21	2 31	25 22	5 1	8 33	2 12	15 46	1 53	11 26	0 25	13 59	1 12	15 2	1 45	24 3	0 20	22 49	0 48	1 31	12 8	15 30	15 49	27 31		n.a.
T 22	2 7	22 20	5 8	9 8	2 18	16 12	1 57	11 42	0 25	13 58	1 12	15 0	1 45	24 3	0 20	22 49	0 48	1 32	12 8	15 28	15 48	27 31		n.a.
W23	1 43	18 13	5 0	9 41	2 23	16 38	2 0	11 58	0 26	13 57	1 12	14 58	1 45	24 3	0 20	22 49	0 49	1 33	12 8	15 25	15 47	27 32		n.a.
T 24	1 19	13 12	4 37	10 13	2 28	17 4	2 4	12 14	0 27	13 55	1 12	14 56	1 45	24 3	0 20	22 49	0 49	1 34	12 7	15 22	15 46	27 33		n.a.
F 25	0 55	7 29	3 59	10 44	2 33	17 29	2 7	12 31	0 27	13 54	1 12	14 54	1 45	24 3	0 20	22 49	0 49	1 35	12 7	15 20	15 45	27 33		n.a.
S 26	0 31	1 20	3 7	11 14	2 38	17 54	2 10	12 47	0 28	13 53	1 12	14 52	1 46	24 3	0 20	22 49	0 49	1 36	12 7	15 18	15 44	27 34		n.a.
S 27	0 7	5n 1	2 4	11 43	2 42	18 18	2 14	13 2	0 29	13 51	1 12	14 49	1 46	24 3	0 20	22 49	0 49	1 37	12 7	15 17	15 43	27 34		n.a.
M28	0s17	11 14	0 52	12 10	2 45	18 42	2 17	13 18	0 29	13 49	1 12	14 47	1 46	24 3	0 20	22 49	0 49	1 38	12 6	15 16	15 42	27 35		n.a.
T 29	0 42	16 57	0n23	12 35	2 49	19 5	2 20	13 34	0 30	13 48	1 12	14 45	1 46	24 3	0 20	22 49	0 49	1 39	12 6	15 16	15 41	27 35		n.a.
W30	1s 6	21n49	1n38	12s59	2s51	19s29	2s23	13s50	0s30	13n46	1s12	14n43	1n46	24n 3	0n20	22n49	0s49	1s40	12n 6	15n16	15n41	27s36		n.a.

Julian Day Number = 1637293.5, Delta T = 03h38m26s
Ecliptic obliquity = 23°43'30, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'58, Lahiri = - 7°07'58 Julian Calendar 1 Sept. 231 BCE == Greg. Calendar 28 Aug. 231 BCE

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

OCTOBER 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 21 56	3♎43'47	13♊21	27♎21	18♏25	5♏46	9°R40	25♌57	1♋13	25♊ 6	4♏10	10♉55	12♉ 8	1♂ 8	n.a.	T 1
F 2	0 25 53	4°43'58	27°30	28°11	19°33	6°30	9♉35	26° 3	1°13	25°R 6	4°12	10°56	12° 5	1°15	n.a.	F 2
S 3	0 29 49	5°44'12	11♋40	28°57	20°42	7°14	9°29	26°10	1°14	25° 6	4°14	10°R56	12° 1	1°21	n.a.	S 3
S 4	0 33 46	6°44'27	25°48	29°38	21°50	7°59	9°24	26°16	1°14	25° 5	4°16	10°55	11°58	1°28	n.a.	S 4
M 5	0 37 42	7°44'45	9♌53	0♏14	22°58	8°43	9°18	26°22	1°14	25° 5	4°19	10°52	11°55	1°35	n.a.	M 5
T 6	0 41 39	8°45'05	23°52	0°44	24° 6	9°28	9°12	26°28	1°15	25° 5	4°21	10°47	11°52	1°41	n.a.	T 6
W 7	0 45 36	9°45'27	7♍43	1° 8	25°13	10°12	9° 6	26°34	1°15	25° 5	4°23	10°42	11°49	1°48	n.a.	W 7
T 8	0 49 32	10°45'51	21°22	1°25	26°21	10°57	8°59	26°40	1°15	25° 5	4°25	10°37	11°46	1°55	n.a.	T 8
F 9	0 53 29	11°46'17	4♎47	1°34	27°28	11°42	8°53	26°46	1°15	25° 5	4°27	10°33	11°42	2° 2	n.a.	F 9
S 10	0 57 25	12°46'44	17°56	1°R34	28°36	12°27	8°46	26°52	1°15	25° 4	4°30	10°30	11°39	2° 8	n.a.	S 10
S 11	1 1 22	13°47'14	0♏48	1°25	29°43	13°12	8°40	26°58	1°R15	25° 4	4°32	10°28	11°36	2°15	n.a.	S 11
M12	1 5 18	14°47'45	13°22	1° 7	0♐50	13°57	8°33	27° 4	1°15	25° 4	4°34	10°D28	11°33	2°22	n.a.	M12
T 13	1 9 15	15°48'18	25°42	0°39	1°57	14°42	8°26	27°10	1°15	25° 4	4°36	10°29	11°30	2°28	n.a.	T 13
W14	1 13 11	16°48'52	7♐48	0° 1	3° 3	15°27	8°19	27°15	1°15	25° 3	4°39	10°30	11°27	2°35	n.a.	W14
T 15	1 17 8	17°49'27	19°44	29♎12	4°10	16°12	8°11	27°21	1°15	25° 3	4°41	10°32	11°23	2°42	n.a.	T 15
F 16	1 21 5	18°50'04	1♑36	28°14	5°16	16°57	8° 4	27°27	1°15	25° 2	4°43	10°33	11°20	2°48	n.a.	F 16
S 17	1 25 1	19°50'43	13°26	27° 8	6°22	17°42	7°57	27°32	1°15	25° 2	4°45	10°34	11°17	2°55	n.a.	S 17
S 18	1 28 58	20°51'23	25°21	25°54	7°28	18°27	7°49	27°38	1°14	25° 1	4°48	10°R34	11°14	3° 2	n.a.	S 18
M19	1 32 54	21°52'04	7♒25	24°36	8°33	19°13	7°42	27°43	1°14	25° 1	4°50	10°34	11°11	3° 8	n.a.	M19
T 20	1 36 51	22°52'46	19°42	23°15	9°39	19°58	7°34	27°48	1°13	25° 0	4°52	10°32	11° 7	3°15	n.a.	T 20
W21	1 40 47	23°53'29	2♓17	21°54	10°44	20°44	7°26	27°53	1°13	25° 0	4°55	10°30	11° 4	3°22	n.a.	W21
T 22	1 44 44	24°54'14	15°12	20°35	11°49	21°29	7°18	27°59	1°12	24°59	4°57	10°27	11° 1	3°29	n.a.	T 22
F 23	1 48 40	25°55'00	28°30	19°22	12°53	22°15	7°11	28° 4	1°12	24°58	4°59	10°25	10°58	3°35	n.a.	F 23
S 24	1 52 37	26°55'47	12♈ 9	18°17	13°58	23° 0	7° 3	28° 9	1°11	24°58	5° 2	10°23	10°55	3°42	n.a.	S 24
S 25	1 56 34	27°56'35	26° 7	17°21	15° 2	23°46	6°55	28°13	1°10	24°57	5° 4	10°22	10°52	3°49	n.a.	S 25
M26	2 0 30	28°57'25	10♉22	16°35	16° 6	24°31	6°47	28°18	1°10	24°56	5° 7	10°D22	10°48	3°55	n.a.	M26
T 27	2 4 27	29°58'16	24°48	16° 1	17° 9	25°17	6°39	28°23	1° 9	24°55	5° 9	10°22	10°45	4° 2	n.a.	T 27
W28	2 8 23	0♏59'09	9♊20	15°39	18°12	26° 3	6°30	28°28	1° 8	24°54	5°11	10°23	10°42	4° 9	n.a.	W28
T 29	2 12 20	2° 0'03	23°52	15°D28	19°15	26°49	6°22	28°32	1° 7	24°54	5°14	10°24	10°39	4°15	n.a.	T 29
F 30	2 16 16	3° 0'58	8♋19	15°28	20°18	27°35	6°14	28°37	1° 6	24°53	5°16	10°25	10°36	4°22	n.a.	F 30
S 31	2 20 13	4♏ 1'56	22♋37	15♎38	21♐20	28♏21	6♉ 6	28♌41	1♋ 5	24♊52	5♏18	10♉25	10♉33	4♂29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	1s30	25n27	2n48	13s21	2s54	19s51	2s26	14s 5	0s31	13n45	1s12	14n41	1n46	24n 3	0n20	22n49	0s49	1s40	12n 5	15n17	15n40	27s36			n.a.
F 2	1 54	27 29	3 47	13 41	2 55	20 13	2 29	14 21	0 32	13 43	1 12	14 39	1 46	24 3	0 20	22 49	0 49	1 41	12 5	15 17	15 39	27 37			n.a.
S 3	2 18	27 43	4 32	13 58	2 56	20 35	2 32	14 36	0 32	13 41	1 12	14 37	1 47	24 3	0 20	22 49	0 49	1 42	12 5	15 17	15 38	27 38			n.a.
S 4	2 42	26 10	5 1	14 13	2 56	20 56	2 35	14 51	0 33	13 39	1 12	14 35	1 47	24 3	0 20	22 49	0 49	1 43	12 5	15 17	15 37	27 38			n.a.
M 5	3 7	22 59	5 12	14 25	2 55	21 16	2 38	15 6	0 34	13 37	1 12	14 33	1 47	24 3	0 20	22 49	0 49	1 44	12 4	15 16	15 36	27 39			n.a.
T 6	3 31	18 29	5 4	14 34	2 53	21 36	2 40	15 21	0 34	13 35	1 12	14 31	1 47	24 3	0 20	22 49	0 49	1 45	12 4	15 14	15 35	27 39			n.a.
W 7	3 55	13 4	4 38	14 40	2 50	21 56	2 43	15 36	0 35	13 33	1 12	14 29	1 47	24 3	0 20	22 49	0 49	1 46	12 4	15 13	15 34	27 39			n.a.
T 8	4 19	7 5	3 57	14 42	2 46	22 15	2 46	15 51	0 35	13 31	1 13	14 27	1 48	24 3	0 20	22 49	0 49	1 47	12 4	15 11	15 33	27 40			n.a.
F 9	4 42	0 52	3 3	14 40	2 41	22 33	2 48	16 6	0 36	13 29	1 13	14 25	1 48	24 3	0 20	22 49	0 49	1 48	12 3	15 10	15 32	27 40			n.a.
S 10	5 6	5s16	2 0	14 34	2 34	22 51	2 50	16 20	0 37	13 27	1 13	14 23	1 48	24 3	0 20	22 49	0 49	1 49	12 3	15 9	15 31	27 41			n.a.
S 11	5 30	11 4	0 53	14 23	2 26	23 8	2 53	16 34	0 37	13 25	1 13	14 22	1 48	24 3	0 20	22 49	0 49	1 50	12 3	15 8	15 30	27 41			n.a.
M12	5 54	16 18	0s16	14 7	2 16	23 25	2 55	16 49	0 38	13 23	1 13	14 20	1 48	24 3	0 20	22 49	0 49	1 51	12 3	15 8	15 29	27 42			n.a.
T 13	6 17	20 45	1 23	13 46	2 4	23 41	2 57	17 3	0 38	13 20	1 13	14 18	1 48	24 3	0 20	22 49	0 49	1 52	12 2	15 8	15 28	27 42			n.a.
W14	6 41	24 15	2 25	13 20	1 50	23 57	2 59	17 17	0 39	13 18	1 12	14 16	1 49	24 3	0 20	22 49	0 49	1 53	12 2	15 9	15 27	27 43			n.a.
T 15	7 4	26 38	3 20	12 48	1 35	24 12	3 1	17 31	0 39	13 16	1 12	14 14	1 49	24 3	0 20	22 49	0 49	1 54	12 2	15 9	15 26	27 43			n.a.
F 16	7 28	27 49	4 6	12 12	1 18	24 26	3 3	17 44	0 40	13 13	1 12	14 12	1 49	24 3	0 20	22 49	0 49	1 55	12 2	15 10	15 25	27 43			n.a.
S 17	7 51	27 42	4 41	11 30	1 0	24 39	3 5	17 58	0 41	13 11	1 12	14 11	1 49	24 3	0 20	22 49	0 49	1 55	12 2	15 10	15 24	27 44			n.a.
S 18	8 14	26 18	5 5	10 45	0 41	24 52	3 6	18 11	0 41	13 9	1 12	14 9	1 49	24 3	0 20	22 49	0 49	1 56	12 1	15 10	15 23	27 44			n.a.
M19	8 37	23 42	5 15	9 57	0 20	25 5	3 8	18 24	0 42	13 6	1 12	14 7	1 50	24 4	0 20	22 49	0 49	1 57	12 1	15 10	15 22	27 45			n.a.
T 20	9 0	20 0	5 12	9 8	0n 0	25 16	3 9	18 37	0 42	13 4	1 12	14 6	1 50	24 4	0 20	22 49	0 49	1 58	12 1	15 9	15 21	27 45			n.a.
W21	9 23	15 20	4 53	8 18	0 21	25 27	3 10	18 50	0 43	13 1	1 12	14 4	1 50	24 4	0 20	22 49	0 49	1 59	12 1	15 9	15 20	27 45			n.a.
T 22	9 45	9 53	4 20	7 30	0 41	25 38	3 11	19 3	0 43	12 59	1 12	14 2	1 50	24 4	0 20	22 49	0 49	2 0	12 1	15 8	15 19	27 46			n.a.
F 23	10 8	3 50	3 31	6 45	1 0	25 48	3 12	19 15	0 44	12 56	1 12	14 1	1 51	24 4	0 20	22 49	0 49	2 1	12 1	15 7	15 18	27 46			n.a.
S 24	10 30	2n33	2 30	6 3	1 18	25 57	3 13	19 27	0 44	12 54	1 12	13 59	1 51	24 4	0 20	22 49	0 49	2 2	12 1	15 7	15 17	27 46			n.a.
S 25	10 52	9 0	1 18	5 27	1 34	26 5	3 14	19 40	0 45	12 51	1 12	13 58	1 51	24 4	0 21	22 49	0 49	2 3	12 0	15 6	15 16	27 47			n.a.
M26	11 14	15 6	0 0	4 57	1 48	26 13	3 15	19 51	0 45	12 49	1 12	13 56	1 51	24 4	0 21	22 49	0 49	2 4	12 0	15 6	15 15	27 47			n.a.
T 27	11 36	20 28	1n19	4 32	2 0	26 20	3 15	20 3	0 46	12 46	1 12	13 55	1 51	24 4	0 21	22 49	0 49	2 4	12 0	15 6	15 14	27 47			n.a.
W28	11 57	24 39	2 34	4 14	2 10	26 26	3 15	20 15	0 46	12 43	1 12	13 53	1 52	24 4	0 21	22 49	0 49	2 5	12 0	15 7	15 13	27 48			n.a.
T 29	12 19	27 13	3 38	4 3	2 18	26 32	3 15	20 26	0 47	12 41	1 12	13 52	1 52	24 4	0 21	22 49	0 49	2 6	12 0	15 7	15 12	27 48			n.a.
F 30	12 40	27 56	4 29	3 57	2 24	26 37	3 16	20 37	0 47	12 38	1 11	13 51	1 52	24 4	0 21	22 48	0 49	2 7	12 0	15 7	15 11	27 48			n.a.
S 31	13s 1	26n46	5n 2	3s57	2n28	26s41	3s15	20s48	0s48	12n36	1s11	13n49	1n52	24n 4	0n21	22n48	0s49	2s 8	12n 0	15n 7	15n10	27s49			n.a.

Julian Day Number = 1637323.5, Delta T = 03h38m25s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'54, Lahiri = - 7°07'54 Julian Calendar 1 Oct. 231 BCE == Greg. Calendar 27 Sept. 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

NOVEMBER 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 24 9	5♏ 2'54	6♌44	15♎58	22♐22	29♏ 7	5°R58	28♌46	1°R 4	24°R51	5♏21	10°R25	10♉29	4♑35	n.a.	S 1
M 2	2 28 6	6° 3'54	20°38	16°27	23°24	29°53	5♉50	28°50	1♋ 3	24♊50	5°23	10♉25	10°26	4°42	n.a.	M 2
T 3	2 32 3	7° 4'55	4♍19	17° 4	24°25	0♐39	5°41	28°54	1° 2	24°49	5°25	10°25	10°23	4°49	n.a.	T 3
W 4	2 35 59	8° 5'58	17°45	17°48	25°26	1°25	5°33	28°58	1° 0	24°48	5°28	10°24	10°20	4°56	n.a.	W 4
T 5	2 39 56	9° 7'01	0♎58	18°37	26°26	2°11	5°25	29° 2	0°59	24°47	5°30	10°24	10°17	5° 2	n.a.	T 5
F 6	2 43 52	10° 8'06	13°57	19°33	27°27	2°57	5°17	29° 6	0°58	24°46	5°33	10°D24	10°13	5° 9	n.a.	F 6
S 7	2 47 49	11° 9'12	26°43	20°33	28°26	3°44	5° 9	29°10	0°56	24°45	5°35	10°24	10°10	5°16	n.a.	S 7
S 8	2 51 45	12°10'19	9♏17	21°37	29°25	4°30	5° 1	29°14	0°55	24°43	5°37	10°R24	10° 7	5°22	n.a.	S 8
M 9	2 55 42	13°11'27	21°38	22°44	0♑24	5°16	4°53	29°18	0°53	24°42	5°40	10°24	10° 4	5°29	n.a.	M 9
T 10	2 59 38	14°12'36	3♐49	23°55	1°23	6° 3	4°45	29°21	0°52	24°41	5°42	10°24	10° 1	5°36	n.a.	T 10
W11	3 3 35	15°13'45	15°51	25° 9	2°20	6°49	4°37	29°25	0°50	24°40	5°44	10°23	9°58	5°42	n.a.	W11
T 12	3 7 32	16°14'55	27°46	26°25	3°18	7°35	4°29	29°28	0°49	24°39	5°47	10°22	9°54	5°49	n.a.	T 12
F 13	3 11 28	17°16'06	9♑37	27°43	4°14	8°22	4°21	29°31	0°47	24°37	5°49	10°22	9°51	5°56	n.a.	F 13
S 14	3 15 25	18°17'17	21°27	29° 2	5°11	9° 9	4°13	29°34	0°45	24°36	5°51	10°21	9°48	6° 3	n.a.	S 14
S 15	3 19 21	19°18'29	3♒20	0♏24	6° 6	9°55	4° 6	29°38	0°44	24°35	5°54	10°20	9°45	6° 9	n.a.	S 15
M16	3 23 18	20°19'40	15°21	1°46	7° 1	10°42	3°58	29°41	0°42	24°33	5°56	10°D19	9°42	6°16	n.a.	M16
T 17	3 27 14	21°20'52	27°35	3°10	7°56	11°28	3°51	29°43	0°40	24°32	5°58	10°19	9°38	6°23	n.a.	T 17
W18	3 31 11	22°22'05	10♓ 5	4°35	8°49	12°15	3°43	29°46	0°38	24°31	6° 1	10°20	9°35	6°29	n.a.	W18
T 19	3 35 7	23°23'17	22°56	6° 0	9°42	13° 2	3°36	29°49	0°36	24°29	6° 3	10°21	9°32	6°36	n.a.	T 19
F 20	3 39 4	24°24'30	6♈12	7°27	10°35	13°48	3°29	29°52	0°35	24°28	6° 5	10°22	9°29	6°43	n.a.	F 20
S 21	3 43 1	25°25'43	19°53	8°54	11°26	14°35	3°22	29°54	0°33	24°27	6° 7	10°23	9°26	6°49	n.a.	S 21
S 22	3 46 57	26°26'55	4♉ 1	10°21	12°17	15°22	3°15	29°57	0°31	24°25	6°10	10°R24	9°23	6°56	n.a.	S 22
M23	3 50 54	27°28'09	18°32	11°50	13° 7	16° 9	3° 8	29°59	0°29	24°24	6°12	10°24	9°19	7° 3	n.a.	M23
T 24	3 54 50	28°29'22	3♊20	13°18	13°56	16°56	3° 1	0♍ 1	0°26	24°22	6°14	10°23	9°16	7°10	n.a.	T 24
W25	3 58 47	29°30'36	18°19	14°48	14°45	17°43	2°55	0° 3	0°24	24°21	6°16	10°21	9°13	7°16	n.a.	W25
T 26	4 2 43	0♐31'50	3♋20	16°17	15°32	18°30	2°48	0° 5	0°22	24°19	6°19	10°18	9°10	7°23	n.a.	T 26
F 27	4 6 40	1°33'05	18°13	17°47	16°18	19°17	2°42	0° 7	0°20	24°18	6°21	10°15	9° 7	7°30	n.a.	F 27
S 28	4 10 37	2°34'20	2♌52	19°18	17° 4	20° 3	2°36	0° 9	0°18	24°16	6°23	10°13	9° 4	7°36	n.a.	S 28
S 29	4 14 33	3°35'35	17°12	20°49	17°48	20°50	2°30	0°10	0°16	24°15	6°25	10°11	9° 0	7°43	n.a.	S 29
M30	4 18 30	4♐36'51	1♍ 9	22♏20	18♑32	21♐38	2♉24	0♍12	0♋13	24♊13	6♏27	10°D10	8♉57	7♑50	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s22	23n54	5n17	4s 2	2n31	26s45	3s15	20s59	0s48	12n33	1s11	13n48	1n53	24n 4	0n21	22n48	0s49	2s 9	12n 0	15n 7	15n 9	27s49		n.a.
M 2	13 42	19 42	5 12	4 12	2 33	26 48	3 15	21 10	0 49	12 30	1 11	13 47	1 53	24 4	0 21	22 48	0 49	2 10	12 0	15 7	15 8	27 49		n.a.
T 3	14 2	14 32	4 50	4 26	2 33	26 50	3 14	21 20	0 49	12 28	1 11	13 45	1 53	24 4	0 21	22 48	0 49	2 10	12 0	15 7	15 7	27 49		n.a.
W 4	14 22	8 46	4 12	4 44	2 32	26 52	3 13	21 30	0 50	12 25	1 11	13 44	1 53	24 4	0 21	22 48	0 49	2 11	11 59	15 7	15 6	27 50		n.a.
T 5	14 42	2 41	3 22	5 4	2 30	26 53	3 12	21 40	0 50	12 22	1 11	13 43	1 53	24 4	0 21	22 48	0 49	2 12	11 59	15 7	15 5	27 50		n.a.
F 6	15 2	3s24	2 22	5 28	2 27	26 53	3 11	21 49	0 51	12 20	1 11	13 42	1 54	24 4	0 21	22 48	0 49	2 13	11 59	15 7	15 4	27 50		n.a.
S 7	15 21	9 15	1 15	5 54	2 24	26 53	3 10	21 59	0 51	12 17	1 10	13 41	1 54	24 4	0 21	22 48	0 49	2 14	11 59	15 7	15 3	27 50		n.a.
S 8	15 40	14 40	0 6	6 22	2 20	26 52	3 8	22 8	0 51	12 15	1 10	13 39	1 54	24 4	0 21	22 48	0 49	2 14	11 59	15 7	15 2	27 51		n.a.
M 9	15 59	19 23	1s 2	6 52	2 15	26 50	3 7	22 17	0 52	12 12	1 10	13 38	1 54	24 4	0 21	22 48	0 49	2 15	11 59	15 7	15 1	27 51		n.a.
T 10	16 18	23 14	2 6	7 23	2 10	26 48	3 5	22 26	0 52	12 10	1 10	13 37	1 55	24 4	0 21	22 48	0 49	2 16	11 59	15 7	15 0	27 51		n.a.
W11	16 36	26 1	3 4	7 55	2 4	26 45	3 3	22 34	0 53	12 7	1 10	13 36	1 55	24 4	0 21	22 48	0 49	2 17	11 59	15 7	14 59	27 51		n.a.
T 12	16 54	27 36	3 54	8 28	1 58	26 42	3 1	22 43	0 53	12 5	1 10	13 35	1 55	24 4	0 21	22 48	0 49	2 17	11 59	15 6	14 58	27 51		n.a.
F 13	17 11	27 54	4 33	9 3	1 52	26 38	2 58	22 51	0 54	12 2	1 9	13 34	1 55	24 4	0 21	22 48	0 49	2 18	11 59	15 6	14 56	27 52		n.a.
S 14	17 29	26 55	5 0	9 37	1 46	26 33	2 56	22 58	0 54	12 0	1 9	13 34	1 56	24 4	0 21	22 48	0 49	2 19	11 59	15 6	14 55	27 52		n.a.
S 15	17 46	24 44	5 14	10 12	1 39	26 28	2 53	23 6	0 54	11 57	1 9	13 33	1 56	24 4	0 21	22 48	0 49	2 20	11 59	15 6	14 54	27 52		n.a.
M16	18 2	21 26	5 16	10 48	1 32	26 22	2 50	23 13	0 55	11 55	1 9	13 32	1 56	24 4	0 21	22 48	0 49	2 20	11 59	15 5	14 53	27 52		n.a.
T 17	18 19	17 11	5 3	11 23	1 25	26 15	2 46	23 20	0 55	11 52	1 9	13 31	1 56	24 4	0 21	22 47	0 49	2 21	11 59	15 5	14 52	27 52		n.a.
W18	18 35	12 7	4 35	11 59	1 18	26 8	2 43	23 27	0 55	11 50	1 8	13 30	1 57	24 5	0 21	22 47	0 49	2 22	11 59	15 6	14 51	27 52		n.a.
T 19	18 51	6 24	3 53	12 34	1 11	26 1	2 39	23 33	0 56	11 48	1 8	13 30	1 57	24 5	0 21	22 47	0 49	2 23	11 59	15 6	14 50	27 52		n.a.
F 20	19 6	0 14	2 58	13 10	1 3	25 53	2 35	23 40	0 56	11 46	1 8	13 29	1 57	24 5	0 21	22 47	0 49	2 23	11 59	15 6	14 49	27 53		n.a.
S 21	19 21	6n 9	1 51	13 45	0 56	25 44	2 31	23 46	0 57	11 43	1 8	13 28	1 58	24 5	0 21	22 47	0 49	2 24	11 59	15 7	14 48	27 53		n.a.
S 22	19 35	12 27	0 35	14 20	0 49	25 35	2 27	23 51	0 57	11 41	1 8	13 28	1 58	24 5	0 21	22 47	0 49	2 25	11 59	15 7	14 47	27 53		n.a.
M23	19 50	18 16	0n45	14 54	0 42	25 25	2 22	23 57	0 57	11 39	1 7	13 27	1 58	24 5	0 21	22 47	0 49	2 25	12 0	15 7	14 46	27 53		n.a.
T 24	20 4	23 5	2 3	15 29	0 34	25 15	2 17	24 2	0 58	11 37	1 7	13 27	1 58	24 5	0 21	22 47	0 49	2 26	12 0	15 7	14 45	27 53		n.a.
W25	20 17	26 26	3 14	16 2	0 27	25 5	2 12	24 7	0 58	11 35	1 7	13 26	1 59	24 5	0 21	22 47	0 49	2 26	12 0	15 6	14 44	27 53		n.a.
T 26	20 30	27 53	4 12	16 36	0 20	24 54	2 6	24 11	0 58	11 33	1 7	13 26	1 59	24 5	0 21	22 47	0 49	2 27	12 0	15 5	14 43	27 53		n.a.
F 27	20 43	27 17	4 52	17 8	0 13	24 43	2 1	24 16	0 59	11 31	1 6	13 25	1 59	24 5	0 21	22 47	0 49	2 28	12 0	15 4	14 42	27 53		n.a.
S 28	20 55	24 48	5 12	17 40	0 6	24 31	1 55	24 20	0 59	11 29	1 6	13 25	1 59	24 5	0 21	22 47	0 49	2 28	12 0	15 3	14 41	27 53		n.a.
S 29	21 7	20 49	5 12	18 12	0s 1	24 19	1 48	24 23	0 59	11 27	1 6	13 24	2 0	24 5	0 21	22 47	0 49	2 29	12 0	15 3	14 40	27 53		n.a.
M30	21s19	15n46	4n54	18s42	0s 8	24s 6	1s42	24s27	0s59	11n25	1s 6	13n24	2n 0	24n 5	0n21	22n47	0s49	2s30	12n 0	15n 2	14n39	27s53		n.a.

Julian Day Number = 1637354.5, Delta T = 03h38m24s
Ecliptic obliquity = 23°43'30, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'50, Lahiri = - 7°07'50 Julian Calendar 1 Nov. 231 BCE == Greg. Calendar 28 Oct. 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 231 BCE
geocentric

DECEMBER 231 BCE (-230) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 22 26	5♐38'06	14♍44	23♏51	19♑14	22♐25	2°R18	0♍14	0°R11	24°R11	6♏29	10♉10	8♉54	7♑57	n.a.	T 1
W 2	4 26 23	6°39'22	27°58	25°23	19°55	23°12	2♉13	0°15	0♋ 9	24♊10	6°32	10°11	8°51	8° 3	n.a.	W 2
T 3	4 30 19	7°40'39	10♎54	26°56	20°35	23°59	2° 7	0°16	0° 6	24° 8	6°34	10°13	8°48	8°10	n.a.	T 3
F 4	4 34 16	8°41'55	23°33	28°28	21°14	24°46	2° 2	0°17	0° 4	24° 7	6°36	10°15	8°44	8°17	n.a.	F 4
S 5	4 38 12	9°43'11	6♏ 0	0♐ 1	21°52	25°33	1°57	0°18	0° 2	24° 5	6°38	10°R16	8°41	8°23	n.a.	S 5
S 6	4 42 9	10°44'28	18°16	1°34	22°28	26°20	1°52	0°19	29♊59	24° 3	6°40	10°15	8°38	8°30	n.a.	S 6
M 7	4 46 6	11°45'44	0♑24	3° 8	23° 2	27° 7	1°47	0°20	29°57	24° 2	6°42	10°14	8°35	8°37	n.a.	M 7
T 8	4 50 2	12°47'00	12°25	4°42	23°36	27°55	1°43	0°21	29°54	24° 0	6°44	10°10	8°32	8°43	n.a.	T 8
W 9	4 53 59	13°48'16	24°20	6°16	24° 8	28°42	1°38	0°21	29°52	23°58	6°46	10° 5	8°29	8°50	n.a.	W 9
T 10	4 57 55	14°49'31	6♑13	7°51	24°38	29°29	1°34	0°22	29°50	23°57	6°48	9°58	8°25	8°57	n.a.	T 10
F 11	5 1 52	15°50'46	18° 3	9°27	25° 6	0♑16	1°30	0°22	29°47	23°55	6°50	9°51	8°22	9° 4	n.a.	F 11
S 12	5 5 48	16°52'01	29°54	11° 2	25°33	1° 4	1°27	0°23	29°45	23°53	6°52	9°44	8°19	9°10	n.a.	S 12
S 13	5 9 45	17°53'14	11♒48	12°38	25°58	1°51	1°23	0°23	29°42	23°52	6°54	9°38	8°16	9°17	n.a.	S 13
M14	5 13 42	18°54'27	23°49	14°15	26°22	2°38	1°20	0°R23	29°39	23°50	6°56	9°33	8°13	9°24	n.a.	M14
T 15	5 17 38	19°55'39	5♓59	15°52	26°43	3°26	1°16	0°23	29°37	23°48	6°58	9°30	8°10	9°30	n.a.	T 15
W16	5 21 35	20°56'50	18°24	17°30	27° 2	4°13	1°13	0°23	29°34	23°47	6°59	9°D29	8° 6	9°37	n.a.	W16
T 17	5 25 31	21°58'01	1♈ 7	19° 8	27°20	5° 0	1°11	0°22	29°32	23°45	7° 1	9°29	8° 3	9°44	n.a.	T 17
F 18	5 29 28	22°59'10	14°13	20°46	27°35	5°48	1° 8	0°22	29°29	23°43	7° 3	9°31	8° 0	9°51	n.a.	F 18
S 19	5 33 24	24° 0'18	27°47	22°25	27°48	6°35	1° 6	0°22	29°27	23°41	7° 5	9°32	7°57	9°57	n.a.	S 19
S 20	5 37 21	25° 1'25	11♉48	24° 5	27°59	7°22	1° 3	0°21	29°24	23°40	7° 7	9°R32	7°54	10° 4	n.a.	S 20
M21	5 41 17	26° 2'32	26°18	25°45	28° 8	8°10	1° 1	0°20	29°21	23°38	7° 8	9°31	7°50	10°11	n.a.	M21
T 22	5 45 14	27° 3'37	11♊12	27°26	28°14	8°57	1° 0	0°19	29°19	23°36	7°10	9°28	7°47	10°17	n.a.	T 22
W23	5 49 11	28° 4'42	26°24	29° 7	28°18	9°45	0°58	0°19	29°16	23°35	7°12	9°22	7°44	10°24	n.a.	W23
T 24	5 53 7	29° 5'45	11♋43	0♑49	28°R19	10°32	0°57	0°18	29°14	23°33	7°13	9°15	7°41	10°31	n.a.	T 24
F 25	5 57 4	0♑ 6'48	26°58	2°32	28°18	11°19	0°56	0°16	29°11	23°31	7°15	9° 7	7°38	10°37	n.a.	F 25
S 26	6 1 0	1° 7'50	11♌59	4°15	28°14	12° 7	0°55	0°15	29° 8	23°30	7°17	8°59	7°35	10°44	n.a.	S 26
S 27	6 4 57	2° 8'51	26°37	5°59	28° 8	12°54	0°54	0°14	29° 6	23°28	7°18	8°52	7°31	10°51	n.a.	S 27
M28	6 8 53	3° 9'51	10♍48	7°43	27°59	13°42	0°53	0°12	29° 3	23°26	7°20	8°48	7°28	10°58	n.a.	M28
T 29	6 12 50	4°10'51	24°30	9°27	27°48	14°29	0°53	0°11	29° 1	23°25	7°21	8°45	7°25	11° 4	n.a.	T 29
W30	6 16 46	5°11'49	7♎45	11°13	27°34	15°16	0°D53	0° 9	28°58	23°23	7°23	8°D45	7°22	11°11	n.a.	W30
T 31	6 20 43	6♑12'47	20♎35	12♑58	27♑18	16♑ 4	0♉53	0♍ 8	28♊55	23♊21	7♏24	8♉46	7♉19	11♑18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21s30	10n 3	4n19	19s12	0s15	23s54	1s35	24s30	1s 0	11n24	1s 5	13n24	2n 0	24n 5	0n21	22n47	0s49	2s30	12n 0	15n 3	14n38	27s53			n.a.
W 2	21 41	4 3	3 32	19 42	0 22	23 40	1 28	24 33	1 0	11 22	1 5	13 24	2 1	24 5	0 21	22 47	0 49	2 31	12 0	15 3	14 37	27 53			n.a.
T 3	21 51	2s 0	2 34	20 10	0 28	23 27	1 20	24 35	1 0	11 20	1 5	13 23	2 1	24 5	0 21	22 46	0 49	2 31	12 0	15 3	14 36	27 54			n.a.
F 4	22 1	7 51	1 30	20 37	0 35	23 13	1 13	24 38	1 1	11 19	1 5	13 23	2 1	24 5	0 21	22 46	0 49	2 32	12 1	15 4	14 35	27 54			n.a.
S 5	22 10	13 19	0 23	21 4	0 41	22 59	1 5	24 40	1 1	11 17	1 4	13 23	2 1	24 5	0 21	22 46	0 49	2 32	12 1	15 4	14 34	27 54			n.a.
S 6	22 19	18 10	0s44	21 30	0 47	22 45	0 56	24 42	1 1	11 16	1 4	13 23	2 2	24 5	0 21	22 46	0 49	2 33	12 1	15 4	14 33	27 54			n.a.
M 7	22 28	22 14	1 48	21 54	0 53	22 31	0 48	24 43	1 1	11 14	1 4	13 23	2 2	24 5	0 21	22 46	0 49	2 33	12 1	15 4	14 32	27 54			n.a.
T 8	22 36	25 18	2 47	22 18	0 59	22 16	0 39	24 44	1 2	11 13	1 4	13 23	2 2	24 5	0 21	22 46	0 49	2 34	12 1	15 3	14 31	27 53			n.a.
W 9	22 44	27 13	3 37	22 41	1 5	22 1	0 29	24 45	1 2	11 12	1 3	13 23	2 2	24 5	0 22	22 46	0 49	2 34	12 1	15 1	14 30	27 53			n.a.
T 10	22 51	27 53	4 18	23 2	1 10	21 47	0 20	24 46	1 2	11 11	1 3	13 23	2 3	24 5	0 22	22 46	0 49	2 35	12 1	14 59	14 29	27 53			n.a.
F 11	22 58	27 15	4 48	23 23	1 16	21 32	0 10	24 46	1 2	11 10	1 3	13 23	2 3	24 5	0 22	22 46	0 49	2 35	12 2	14 56	14 28	27 53			n.a.
S 12	23 4	25 23	5 5	23 42	1 21	21 16	0n 1	24 46	1 3	11 8	1 2	13 23	2 3	24 5	0 22	22 46	0 49	2 36	12 2	14 54	14 27	27 53			n.a.
S 13	23 10	22 24	5 10	24 0	1 25	21 1	0 11	24 45	1 3	11 7	1 2	13 24	2 4	24 5	0 22	22 46	0 49	2 36	12 2	14 52	14 26	27 53			n.a.
M14	23 15	18 27	5 1	24 16	1 30	20 46	0 22	24 45	1 3	11 7	1 2	13 24	2 4	24 5	0 22	22 46	0 49	2 37	12 2	14 51	14 25	27 53			n.a.
T 15	23 20	13 43	4 38	24 32	1 34	20 31	0 33	24 44	1 3	11 6	1 2	13 24	2 4	24 5	0 22	22 46	0 49	2 37	12 2	14 50	14 24	27 53			n.a.
W16	23 25	8 20	4 2	24 46	1 38	20 16	0 45	24 43	1 3	11 5	1 1	13 24	2 4	24 5	0 22	22 46	0 49	2 37	12 3	14 49	14 23	27 53			n.a.
T 17	23 29	2 30	3 13	24 58	1 42	20 1	0 57	24 41	1 4	11 4	1 1	13 25	2 5	24 5	0 22	22 45	0 49	2 38	12 3	14 49	14 22	27 53			n.a.
F 18	23 32	3n38	2 13	25 10	1 46	19 46	1 9	24 39	1 4	11 4	1 1	13 25	2 5	24 5	0 22	22 45	0 49	2 38	12 3	14 50	14 21	27 53			n.a.
S 19	23 35	9 49	1 3	25 19	1 49	19 31	1 22	24 37	1 4	11 3	1 0	13 26	2 5	24 5	0 22	22 45	0 49	2 38	12 3	14 50	14 19	27 53			n.a.
S 20	23 38	15 45	0n12	25 27	1 52	19 16	1 35	24 35	1 4	11 3	1 0	13 26	2 5	24 5	0 22	22 45	0 49	2 39	12 3	14 50	14 18	27 53			n.a.
M21	23 40	21 0	1 29	25 34	1 55	19 1	1 48	24 32	1 4	11 2	1 0	13 27	2 6	24 5	0 22	22 45	0 49	2 39	12 4	14 50	14 17	27 52			n.a.
T 22	23 41	25 4	2 42	25 39	1 57	18 47	2 2	24 29	1 4	11 2	1 0	13 27	2 6	24 5	0 22	22 45	0 49	2 39	12 4	14 49	14 16	27 52			n.a.
W23	23 43	27 25	3 45	25 42	1 59	18 32	2 16	24 26	1 4	11 1	0 59	13 28	2 6	24 5	0 22	22 45	0 49	2 40	12 4	14 47	14 15	27 52			n.a.
T 24	23 43	27 43	4 32	25 44	2 0	18 18	2 30	24 23	1 5	11 1	0 59	13 28	2 7	24 5	0 22	22 45	0 49	2 40	12 4	14 45	14 14	27 52			n.a.
F 25	23 43	25 54	5 0	25 43	2 1	18 4	2 44	24 19	1 5	11 1	0 59	13 29	2 7	24 5	0 22	22 45	0 49	2 40	12 5	14 42	14 13	27 52			n.a.
S 26	23 43	22 17	5 6	25 41	2 2	17 51	2 58	24 15	1 5	11 1	0 58	13 30	2 7	24 5	0 22	22 45	0 49	2 41	12 5	14 40	14 12	27 52			n.a.
S 27	23 42	17 21	4 52	25 38	2 2	17 38	3 13	24 10	1 5	11 1	0 58	13 30	2 7	24 5	0 22	22 45	0 49	2 41	12 5	14 38	14 11	27 52			n.a.
M28	23 41	11 36	4 20	25 32	2 2	17 25	3 28	24 5	1 5	11 1	0 58	13 31	2 8	24 5	0 22	22 45	0 49	2 41	12 5	14 36	14 10	27 51			n.a.
T 29	23 39	5 29	3 34	25 24	2 2	17 13	3 43	24 0	1 5	11 1	0 57	13 32	2 8	24 5	0 22	22 45	0 49	2 41	12 6	14 35	14 9	27 51			n.a.
W30	23 37	0s41	2 38	25 15	2 0	17 1	3 58	23 55	1 5	11 1	0 57	13 33	2 8	24 5	0 22	22 45	0 49	2 42	12 6	14 35	14 8	27 51			n.a.
T 31	23s35	6s39	1n36	25s 3	1s59	16s49	4n12	23s50	1s 5	11n 2	0s57	13n34	2n 8	24n 5	0n22	22n45	0s49	2s42	12n 6	14n35	14n 7	27s51			n.a.

Julian Day Number = 1637384.5, Delta T = 03h38m23s
Ecliptic obliquity = 23°43'30, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'46, Lahiri = - 7°07'45 Julian Calendar 1 Dec. 231 BCE == Greg. Calendar 27 Nov. 231 BCE

The year -230 astronomical counting style corresponds to year 231 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

JANUARY 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 24 40	7♑13'44	3♏ 6	14♑44	26°R59	16♑51	0♉53	0°R 6	28°R53	23°R20	7♏26	8°R46	7♉16	11♑24	n.a.	F 1
S 2	6 28 36	8°14'40	15°22	16°30	26♑38	17°39	0°53	0♍ 4	28♊50	23♊18	7°27	8♉46	7°12	11°31	n.a.	S 2
S 3	6 32 33	9°15'35	27°27	18°17	26°15	18°26	0°54	0° 2	28°48	23°16	7°29	8°44	7° 9	11°38	n.a.	S 3
M 4	6 36 29	10°16'29	9♐25	20° 3	25°50	19°13	0°55	29♌59	28°45	23°15	7°30	8°40	7° 6	11°45	n.a.	M 4
T 5	6 40 26	11°17'22	21°18	21°50	25°22	20° 1	0°56	29°57	28°43	23°13	7°31	8°32	7° 3	11°51	n.a.	T 5
W 6	6 44 22	12°18'13	3♑ 9	23°36	24°53	20°48	0°57	29°55	28°40	23°12	7°33	8°22	7° 0	11°58	n.a.	W 6
T 7	6 48 19	13°19'04	15° 0	25°21	24°22	21°36	0°59	29°53	28°38	23°10	7°34	8°10	6°56	12° 5	n.a.	T 7
F 8	6 52 16	14°19'52	26°52	27° 6	23°49	22°23	1° 0	29°50	28°35	23° 8	7°35	7°57	6°53	12°11	n.a.	F 8
S 9	6 56 12	15°20'40	8♒47	28°50	23°15	23°10	1° 2	29°48	28°33	23° 7	7°36	7°44	6°50	12°18	n.a.	S 9
S 10	7 0 9	16°21'25	20°46	0♒32	22°40	23°58	1° 4	29°45	28°30	23° 5	7°37	7°31	6°47	12°25	n.a.	S 10
M11	7 4 5	17°22'09	2♓51	2°13	22° 3	24°45	1° 7	29°42	28°28	23° 4	7°39	7°21	6°44	12°32	n.a.	M11
T 12	7 8 2	18°22'52	15° 4	3°51	21°27	25°33	1° 9	29°39	28°25	23° 2	7°40	7°14	6°41	12°38	n.a.	T 12
W13	7 11 58	19°23'32	27°29	5°27	20°49	26°20	1°12	29°36	28°23	23° 1	7°41	7° 9	6°37	12°45	n.a.	W13
T 14	7 15 55	20°24'11	10♈ 9	7° 0	20°12	27° 7	1°15	29°33	28°20	22°59	7°42	7° 7	6°34	12°52	n.a.	T 14
F 15	7 19 51	21°24'48	23° 8	8°29	19°34	27°55	1°18	29°30	28°18	22°58	7°43	7°D 6	6°31	12°58	n.a.	F 15
S 16	7 23 48	22°25'23	6♉31	9°53	18°57	28°42	1°21	29°27	28°16	22°56	7°44	7°R 7	6°28	13° 5	n.a.	S 16
S 17	7 27 45	23°25'56	20°20	11°12	18°21	29°29	1°24	29°24	28°13	22°55	7°45	7° 6	6°25	13°12	n.a.	S 17
M18	7 31 41	24°26'27	4♊36	12°26	17°45	0♒16	1°28	29°20	28°11	22°54	7°46	7° 4	6°22	13°19	n.a.	M18
T 19	7 35 38	25°26'56	19°19	13°33	17°10	1° 4	1°32	29°17	28° 9	22°52	7°46	6°59	6°18	13°25	n.a.	T 19
W20	7 39 34	26°27'23	4♋23	14°33	16°37	1°51	1°36	29°13	28° 7	22°51	7°47	6°51	6°15	13°32	n.a.	W20
T 21	7 43 31	27°27'49	19°41	15°25	16° 5	2°38	1°40	29°10	28° 5	22°50	7°48	6°41	6°12	13°39	n.a.	T 21
F 22	7 47 27	28°28'13	5♌ 0	16° 9	15°35	3°25	1°44	29° 6	28° 2	22°48	7°49	6°29	6° 9	13°45	n.a.	F 22
S 23	7 51 24	29°28'35	20°11	16°43	15° 7	4°12	1°49	29° 2	28° 0	22°47	7°50	6°18	6° 6	13°52	n.a.	S 23
S 24	7 55 20	0♒28'55	5♍ 1	17° 9	14°41	5° 0	1°54	28°59	27°58	22°46	7°50	6° 8	6° 2	13°59	n.a.	S 24
M25	7 59 17	1°29'13	19°24	17°24	14°17	5°47	1°58	28°55	27°56	22°44	7°51	6° 1	5°59	14° 6	n.a.	M25
T 26	8 3 14	2°29'30	3♎17	17°R30	13°55	6°34	2° 3	28°51	27°54	22°43	7°52	5°56	5°56	14°12	n.a.	T 26
W27	8 7 10	3°29'45	16°40	17°26	13°35	7°21	2° 9	28°47	27°52	22°42	7°52	5°54	5°53	14°19	n.a.	W27
T 28	8 11 7	4°29'59	29°36	17°12	13°18	8° 8	2°14	28°43	27°50	22°41	7°53	5°53	5°50	14°26	n.a.	T 28
F 29	8 15 3	5°30'11	12♏ 8	16°49	13° 4	8°55	2°20	28°39	27°48	22°40	7°53	5°53	5°47	14°32	n.a.	F 29
S 30	8 19 0	6°30'21	24°22	16°18	12°51	9°42	2°25	28°35	27°46	22°38	7°54	5°52	5°43	14°39	n.a.	S 30
S 31	8 22 56	7♒30'30	6♐24	15♒38	12♑42	10♒29	2♉31	28♌31	27♊45	22♊37	7♏54	5♉50	5♉40	14♑46	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s31	12s13	0n30	24s50	1s56	16s38	4n27	23s44	1s 5	11n 2	0s57	13n34	2n 9	24n 5	0n22	22n44	0s49	2s42	12n 6	14n36	14n 6	27s51		n.a.
S 2	23 28	17 12	0s35	24 34	1 54	16 28	4 42	23 38	1 6	11 3	0 56	13 35	2 9	24 5	0 22	22 44	0 49	2 42	12 7	14 36	14 5	27 50		n.a.
S 3	23 24	21 25	1 38	24 17	1 50	16 18	4 57	23 31	1 6	11 3	0 56	13 36	2 9	24 5	0 22	22 44	0 49	2 42	12 7	14 35	14 4	27 50		n.a.
M 4	23 19	24 41	2 36	23 57	1 46	16 8	5 11	23 25	1 6	11 4	0 56	13 37	2 9	24 5	0 22	22 44	0 49	2 43	12 7	14 33	14 3	27 50		n.a.
T 5	23 14	26 52	3 26	23 36	1 41	15 59	5 25	23 18	1 6	11 4	0 55	13 38	2 10	24 5	0 22	22 44	0 49	2 43	12 7	14 31	14 2	27 50		n.a.
W 6	23 9	27 48	4 7	23 13	1 36	15 51	5 39	23 11	1 6	11 5	0 55	13 39	2 10	24 5	0 22	22 44	0 49	2 43	12 8	14 28	14 1	27 49		n.a.
T 7	23 3	27 28	4 38	22 47	1 30	15 43	5 53	23 3	1 6	11 6	0 55	13 41	2 10	24 5	0 22	22 44	0 49	2 43	12 8	14 24	14 0	27 49		n.a.
F 8	22 57	25 52	4 56	22 21	1 23	15 36	6 6	22 55	1 6	11 7	0 55	13 42	2 10	24 5	0 22	22 44	0 49	2 43	12 8	14 20	13 59	27 49		n.a.
S 9	22 50	23 7	5 1	21 52	1 15	15 29	6 18	22 47	1 6	11 8	0 54	13 43	2 11	24 5	0 22	22 44	0 49	2 43	12 9	14 15	13 58	27 49		n.a.
S 10	22 43	19 22	4 54	21 22	1 7	15 23	6 30	22 39	1 6	11 9	0 54	13 44	2 11	24 5	0 22	22 44	0 49	2 43	12 9	14 11	13 56	27 48		n.a.
M11	22 35	14 49	4 33	20 50	0 58	15 18	6 41	22 31	1 6	11 10	0 54	13 45	2 11	24 5	0 22	22 44	0 49	2 43	12 9	14 8	13 55	27 48		n.a.
T 12	22 27	9 37	3 59	20 17	0 47	15 13	6 51	22 22	1 6	11 11	0 53	13 46	2 11	24 5	0 22	22 44	0 49	2 43	12 9	14 5	13 54	27 48		n.a.
W13	22 18	3 58	3 14	19 43	0 37	15 9	7 1	22 13	1 6	11 12	0 53	13 48	2 12	24 5	0 22	22 44	0 49	2 43	12 10	14 4	13 53	27 47		n.a.
T 14	22 9	1n57	2 18	19 9	0 25	15 6	7 10	22 4	1 6	11 13	0 53	13 49	2 12	24 5	0 22	22 44	0 49	2 43	12 10	14 3	13 52	27 47		n.a.
F 15	22 0	7 58	1 13	18 34	0 13	15 3	7 18	21 54	1 6	11 15	0 53	13 50	2 12	24 5	0 22	22 44	0 49	2 43	12 10	14 3	13 51	27 47		n.a.
S 16	21 50	13 48	0 3	17 58	0n 1	15 1	7 25	21 44	1 6	11 16	0 52	13 52	2 12	24 5	0 22	22 44	0 49	2 43	12 11	14 3	13 50	27 46		n.a.
S 17	21 40	19 9	1n 9	17 23	0 15	14 59	7 32	21 34	1 6	11 17	0 52	13 53	2 12	24 5	0 22	22 44	0 49	2 43	12 11	14 3	13 49	27 46		n.a.
M18	21 29	23 36	2 20	16 49	0 29	14 59	7 37	21 24	1 6	11 19	0 52	13 54	2 13	24 5	0 22	22 43	0 48	2 43	12 11	14 2	13 48	27 46		n.a.
T 19	21 18	26 40	3 23	16 15	0 44	14 58	7 42	21 14	1 6	11 21	0 51	13 56	2 13	24 5	0 22	22 43	0 48	2 43	12 12	14 0	13 47	27 45		n.a.
W20	21 7	27 53	4 14	15 43	1 0	14 59	7 45	21 3	1 6	11 22	0 51	13 57	2 13	24 5	0 22	22 43	0 48	2 43	12 12	13 58	13 46	27 45		n.a.
T 21	20 55	27 0	4 47	15 12	1 16	15 0	7 48	20 52	1 5	11 24	0 51	13 59	2 13	24 4	0 22	22 43	0 48	2 43	12 12	13 54	13 45	27 45		n.a.
F 22	20 43	24 5	5 0	14 44	1 32	15 1	7 50	20 41	1 5	11 26	0 51	14 0	2 13	24 4	0 22	22 43	0 48	2 43	12 13	13 51	13 44	27 44		n.a.
S 23	20 30	19 32	4 52	14 18	1 48	15 3	7 51	20 30	1 5	11 28	0 50	14 2	2 14	24 4	0 22	22 43	0 48	2 43	12 13	13 47	13 43	27 44		n.a.
S 24	20 17	13 51	4 23	13 55	2 4	15 6	7 51	20 18	1 5	11 29	0 50	14 3	2 14	24 4	0 22	22 43	0 48	2 43	12 13	13 44	13 42	27 43		n.a.
M25	20 4	7 36	3 39	13 35	2 19	15 9	7 50	20 6	1 5	11 31	0 50	14 5	2 14	24 4	0 22	22 43	0 48	2 43	12 14	13 41	13 41	27 43		n.a.
T 26	19 50	1 10	2 43	13 19	2 35	15 13	7 49	19 54	1 5	11 33	0 50	14 6	2 14	24 4	0 22	22 43	0 48	2 43	12 14	13 39	13 39	27 43		n.a.
W27	19 36	5s 6	1 40	13 7	2 49	15 17	7 47	19 42	1 5	11 35	0 49	14 8	2 14	24 4	0 22	22 43	0 48	2 43	12 14	13 39	13 38	27 42		n.a.
T 28	19 22	10 57	0 33	12 58	3 2	15 21	7 44	19 30	1 5	11 38	0 49	14 9	2 15	24 4	0 22	22 43	0 48	2 43	12 15	13 38	13 37	27 42		n.a.
F 29	19 7	16 11	0s33	12 54	3 14	15 26	7 41	19 17	1 5	11 40	0 49	14 11	2 15	24 4	0 22	22 43	0 48	2 42	12 15	13 38	13 36	27 41		n.a.
S 30	18 52	20 38	1 36	12 53	3 25	15 31	7 37	19 4	1 5	11 42	0 48	14 13	2 15	24 4	0 22	22 43	0 48	2 42	12 15	13 38	13 35	27 41		n.a.
S 31	18s37	24s 9	2s34	12s56	3n34	15s36	7n33	18s51	1s 4	11n44	0s48	14n14	2n15	24n 4	0n22	22n43	0s48	2s42	12n16	13n37	13n34	27s40		n.a.

Julian Day Number = 1637415.5, Delta T = 03h38m22s
Ecliptic obliquity = 23°43'30, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'42, Lahiri = - 7°07'41 Julian Calendar 1 Jan. 230 BCE == Greg. Calendar 28 Dec. 231 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

FEBRUARY 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 26 53	8♒30'37	18♐18	14°R52	12°R35	11♒16	2♉37	28°R26	27°R43	22°R36	7♏55	5°R45	5♉37	14♑53	n.a.	M 1
T 2	8 30 49	9°30'42	0♑ 8	14♒ 0	12♑30	12° 3	2°43	28♌22	27♊41	22♊35	7°55	5♉37	5°34	14°59	n.a.	T 2
W 3	8 34 46	10°30'46	11°57	13° 4	12°D28	12°50	2°50	28°18	27°39	22°34	7°56	5°26	5°31	15° 6	n.a.	W 3
T 4	8 38 43	11°30'47	23°49	12° 5	12°28	13°37	2°56	28°13	27°38	22°33	7°56	5°12	5°28	15°13	n.a.	T 4
F 5	8 42 39	12°30'47	5♒45	11° 4	12°31	14°24	3° 3	28° 9	27°36	22°32	7°56	4°58	5°24	15°19	n.a.	F 5
S 6	8 46 36	13°30'45	17°47	10° 3	12°36	15°11	3°10	28° 5	27°34	22°31	7°56	4°43	5°21	15°26	n.a.	S 6
S 7	8 50 32	14°30'40	29°55	9° 4	12°43	15°58	3°17	28° 0	27°33	22°30	7°57	4°30	5°18	15°33	n.a.	S 7
M 8	8 54 29	15°30'34	12♓10	8° 7	12°52	16°44	3°24	27°56	27°31	22°29	7°57	4°18	5°15	15°40	n.a.	M 8
T 9	8 58 25	16°30'25	24°34	7°13	13° 4	17°31	3°31	27°51	27°30	22°29	7°57	4°10	5°12	15°46	n.a.	T 9
W10	9 2 22	17°30'14	7♈ 8	6°24	13°18	18°18	3°39	27°46	27°28	22°28	7°57	4° 4	5° 8	15°53	n.a.	W10
T 11	9 6 18	18°30'01	19°55	5°41	13°33	19° 5	3°46	27°42	27°27	22°27	7°57	4° 2	5° 5	16° 0	n.a.	T 11
F 12	9 10 15	19°29'45	2♉57	5° 2	13°51	19°51	3°54	27°37	27°26	22°26	7°57	4°D 1	5° 2	16° 6	n.a.	F 12
S 13	9 14 11	20°29'27	16°17	4°30	14°11	20°38	4° 2	27°33	27°24	22°25	7°R57	4°R 1	4°59	16°13	n.a.	S 13
S 14	9 18 8	21°29'07	29°58	4° 5	14°32	21°25	4°10	27°28	27°23	22°25	7°57	4° 1	4°56	16°20	n.a.	S 14
M15	9 22 5	22°28'44	14♊ 1	3°45	14°56	22°11	4°18	27°23	27°22	22°24	7°57	3°59	4°53	16°27	n.a.	M15
T 16	9 26 1	23°28'19	28°26	3°32	15°21	22°58	4°26	27°19	27°21	22°23	7°57	3°55	4°49	16°33	n.a.	T 16
W17	9 29 58	24°27'51	13♋11	3°25	15°47	23°44	4°35	27°14	27°20	22°23	7°57	3°49	4°46	16°40	n.a.	W17
T 18	9 33 54	25°27'22	28°10	3°D24	16°15	24°31	4°43	27° 9	27°19	22°22	7°57	3°40	4°43	16°47	n.a.	T 18
F 19	9 37 51	26°26'49	13♌14	3°29	16°45	25°17	4°52	27° 5	27°18	22°22	7°57	3°30	4°40	16°53	n.a.	F 19
S 20	9 41 47	27°26'15	28°14	3°39	17°17	26° 3	5° 1	27° 0	27°17	22°21	7°56	3°20	4°37	17° 0	n.a.	S 20
S 21	9 45 44	28°25'38	13♍ 0	3°55	17°49	26°50	5°10	26°55	27°16	22°21	7°56	3°11	4°34	17° 7	n.a.	S 21
M22	9 49 40	29°25'00	27°23	4°16	18°24	27°36	5°19	26°51	27°15	22°20	7°56	3° 4	4°30	17°14	n.a.	M22
T 23	9 53 37	0♓24'19	11♎21	4°42	18°59	28°22	5°28	26°46	27°14	22°20	7°56	2°59	4°27	17°20	n.a.	T 23
W24	9 57 34	1°23'36	24°49	5°13	19°36	29° 9	5°37	26°41	27°14	22°19	7°55	2°57	4°24	17°27	n.a.	W24
T 25	10 1 30	2°22'52	7♏51	5°47	20°14	29°55	5°47	26°36	27°13	22°19	7°55	2°D57	4°21	17°34	n.a.	T 25
F 26	10 5 27	3°22'05	20°29	6°26	20°53	0♓41	5°56	26°32	27°12	22°19	7°54	2°58	4°18	17°40	n.a.	F 26
S 27	10 9 23	4°21'17	2♐47	7° 9	21°33	1°27	6° 6	26°27	27°12	22°18	7°54	2°R58	4°14	17°47	n.a.	S 27
S 28	10 13 20	5♓20'27	14♐52	7♒55	22♑15	2♓13	6♉15	26♌23	27♊11	22♊18	7♏53	2♉58	4♉11	17♑54	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s21	26s35	3s24	13s 2	3n41	15s41	7n28	18s38	1s 4	11n47	0s48	14n16	2n15	24n 4	0n22	22n43	0s48	2s42	12n16	13n36	13n33	27s40		n.a.
T 2	18 5	27 48	4 5	13 12	3 47	15 47	7 22	18 25	1 4	11 49	0 48	14 18	2 15	24 4	0 22	22 43	0 48	2 42	12 16	13 33	13 32	27 39		n.a.
W 3	17 49	27 45	4 35	13 25	3 50	15 53	7 17	18 11	1 4	11 51	0 47	14 19	2 15	24 4	0 22	22 43	0 48	2 42	12 17	13 29	13 31	27 39		n.a.
T 4	17 32	26 25	4 54	13 41	3 51	15 59	7 11	17 57	1 4	11 54	0 47	14 21	2 16	24 4	0 22	22 43	0 48	2 41	12 17	13 25	13 30	27 39		n.a.
F 5	17 15	23 53	4 59	13 59	3 50	16 6	7 4	17 43	1 4	11 56	0 47	14 23	2 16	24 4	0 22	22 43	0 48	2 41	12 17	13 20	13 29	27 38		n.a.
S 6	16 58	20 18	4 52	14 18	3 47	16 12	6 57	17 29	1 4	11 59	0 47	14 24	2 16	24 4	0 22	22 43	0 48	2 41	12 18	13 15	13 28	27 38		n.a.
S 7	16 40	15 51	4 31	14 39	3 41	16 18	6 50	17 15	1 3	12 2	0 46	14 26	2 16	24 4	0 22	22 43	0 48	2 41	12 18	13 10	13 27	27 37		n.a.
M 8	16 23	10 44	3 57	15 0	3 34	16 25	6 43	17 0	1 3	12 4	0 46	14 28	2 16	24 4	0 22	22 43	0 48	2 40	12 18	13 6	13 26	27 36		n.a.
T 9	16 5	5 7	3 12	15 22	3 26	16 31	6 35	16 46	1 3	12 7	0 46	14 29	2 16	24 4	0 22	22 43	0 48	2 40	12 19	13 4	13 25	27 36		n.a.
W10	15 46	0n46	2 17	15 44	3 16	16 37	6 28	16 31	1 3	12 10	0 46	14 31	2 16	24 4	0 22	22 43	0 48	2 40	12 19	13 2	13 23	27 35		n.a.
T 11	15 28	6 44	1 14	16 5	3 5	16 44	6 20	16 16	1 3	12 13	0 46	14 33	2 16	24 4	0 22	22 43	0 48	2 40	12 19	13 1	13 22	27 35		n.a.
F 12	15 9	12 33	0 6	16 26	2 53	16 50	6 12	16 1	1 2	12 16	0 45	14 35	2 17	24 4	0 22	22 43	0 48	2 39	12 20	13 0	13 21	27 34		n.a.
S 13	14 50	17 56	1n 5	16 47	2 40	16 56	6 3	15 46	1 2	12 18	0 45	14 36	2 17	24 4	0 22	22 43	0 48	2 39	12 20	13 1	13 20	27 34		n.a.
S 14	14 31	22 33	2 13	17 6	2 26	17 2	5 55	15 31	1 2	12 21	0 45	14 38	2 17	24 4	0 22	22 43	0 48	2 39	12 20	13 0	13 19	27 33		n.a.
M15	14 11	25 59	3 15	17 24	2 13	17 8	5 47	15 15	1 2	12 24	0 45	14 40	2 17	24 4	0 22	22 43	0 48	2 38	12 21	13 0	13 18	27 33		n.a.
T 16	13 51	27 50	4 7	17 41	1 58	17 14	5 38	15 0	1 1	12 27	0 44	14 41	2 17	24 4	0 22	22 43	0 48	2 38	12 21	12 58	13 17	27 32		n.a.
W17	13 31	27 45	4 43	17 56	1 44	17 19	5 30	14 44	1 1	12 31	0 44	14 43	2 17	24 4	0 22	22 43	0 48	2 38	12 21	12 56	13 16	27 31		n.a.
T 18	13 11	25 41	5 1	18 10	1 30	17 24	5 21	14 28	1 1	12 34	0 44	14 45	2 17	24 4	0 22	22 43	0 48	2 37	12 22	12 53	13 15	27 31		n.a.
F 19	12 51	21 47	4 58	18 23	1 16	17 29	5 13	14 12	1 1	12 37	0 44	14 47	2 17	24 4	0 22	22 43	0 47	2 37	12 22	12 50	13 14	27 30		n.a.
S 20	12 30	16 30	4 34	18 34	1 2	17 34	5 4	13 56	1 0	12 40	0 43	14 48	2 17	24 3	0 22	22 43	0 47	2 37	12 22	12 46	13 13	27 30		n.a.
S 21	12 10	10 20	3 53	18 43	0 48	17 38	4 56	13 39	1 0	12 43	0 43	14 50	2 17	24 3	0 22	22 43	0 47	2 36	12 23	12 43	13 12	27 29		n.a.
M22	11 49	3 45	2 57	18 51	0 35	17 42	4 47	13 23	1 0	12 46	0 43	14 52	2 17	24 3	0 22	22 43	0 47	2 36	12 23	12 41	13 11	27 28		n.a.
T 23	11 28	2s49	1 52	18 58	0 22	17 46	4 38	13 7	1 0	12 50	0 43	14 53	2 17	24 3	0 22	22 43	0 47	2 35	12 23	12 39	13 9	27 28		n.a.
W24	11 6	9 3	0 43	19 3	0 9	17 50	4 30	12 50	0 59	12 53	0 43	14 55	2 17	24 3	0 22	22 43	0 47	2 35	12 23	12 39	13 8	27 27		n.a.
T 25	10 45	14 42	0s26	19 6	0s 3	17 53	4 21	12 33	0 59	12 56	0 42	14 57	2 18	24 3	0 22	22 43	0 47	2 35	12 24	12 38	13 7	27 26		n.a.
F 26	10 23	19 34	1 32	19 7	0 15	17 55	4 13	12 17	0 59	13 0	0 42	14 58	2 18	24 3	0 22	22 43	0 47	2 34	12 24	12 39	13 6	27 26		n.a.
S 27	10 2	23 27	2 32	19 8	0 26	17 57	4 4	12 0	0 58	13 3	0 42	15 0	2 18	24 3	0 22	22 43	0 47	2 34	12 24	12 39	13 5	27 25		n.a.
S 28	9s40	26s14	3s25	19s 6	0s37	17s59	3n56	11s43	0s58	13n 7	0s42	15n 2	2n18	24n 3	0n22	22n43	0s47	2s33	12n25	12n39	13n 4	27s24		n.a.

Julian Day Number = 1637446.5, Delta T = 03h38m21s
Ecliptic obliquity = 23°43'30, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'37, Lahiri = - 7°07'37 Julian Calendar 1 Feb. 230 BCE == Greg. Calendar 28 Jan. 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

MARCH 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 17 16	6♓19'35	26♐47	8♒44	22♑57	2♓59	6♉25	26°R18	27°R11	22°R18	7°R53	2°R55	4♉ 8	18♑ 1	n.a.	M 1
T 2	10 21 13	7°18'41	8♑37	9°37	23°40	3°45	6°35	26♌13	27♊10	22♊18	7♏52	2♉51	4° 5	18° 7	n.a.	T 2
W 3	10 25 9	8°17'46	20°28	10°33	24°25	4°31	6°45	26° 9	27°10	22°17	7°52	2°44	4° 2	18°14	n.a.	W 3
T 4	10 29 6	9°16'48	2♒23	11°32	25°10	5°17	6°55	26° 4	27°10	22°17	7°51	2°35	3°59	18°21	n.a.	T 4
F 5	10 33 3	10°15'48	14°24	12°34	25°56	6° 3	7° 6	26° 0	27° 9	22°17	7°51	2°26	3°55	18°28	n.a.	F 5
S 6	10 36 59	11°14'47	26°33	13°38	26°43	6°49	7°16	25°55	27° 9	22°17	7°50	2°16	3°52	18°34	n.a.	S 6
S 7	10 40 56	12°13'43	8♓52	14°44	27°31	7°35	7°27	25°51	27° 9	22°17	7°49	2° 6	3°49	18°41	n.a.	S 7
M 8	10 44 52	13°12'37	21°22	15°53	28°20	8°20	7°37	25°47	27° 9	22°D17	7°48	1°59	3°46	18°48	n.a.	M 8
T 9	10 48 49	14°11'29	4♈ 3	17° 5	29° 9	9° 6	7°48	25°42	27°D 9	22°17	7°48	1°53	3°43	18°54	n.a.	T 9
W10	10 52 45	15°10'19	16°55	18°18	29°59	9°52	7°59	25°38	27° 9	22°17	7°47	1°50	3°40	19° 1	n.a.	W10
T 11	10 56 42	16° 9'06	29°58	19°34	0♒50	10°37	8° 9	25°34	27° 9	22°17	7°46	1°D49	3°36	19° 8	n.a.	T 11
F 12	11 0 38	17° 7'51	13♉14	20°51	1°41	11°23	8°20	25°30	27° 9	22°17	7°45	1°49	3°33	19°15	n.a.	F 12
S 13	11 4 35	18° 6'34	26°44	22°11	2°33	12° 8	8°31	25°25	27° 9	22°18	7°44	1°50	3°30	19°21	n.a.	S 13
S 14	11 8 31	19° 5'15	10♊28	23°33	3°26	12°54	8°43	25°21	27° 9	22°18	7°43	1°51	3°27	19°28	n.a.	S 14
M15	11 12 28	20° 3'54	24°27	24°56	4°19	13°39	8°54	25°17	27°10	22°18	7°42	1°R52	3°24	19°35	n.a.	M15
T 16	11 16 25	21° 2'30	8♋41	26°21	5°13	14°25	9° 5	25°13	27°10	22°18	7°42	1°50	3°20	19°41	n.a.	T 16
W17	11 20 21	22° 1'03	23° 7	27°49	6° 7	15°10	9°16	25° 9	27°10	22°19	7°41	1°47	3°17	19°48	n.a.	W17
T 18	11 24 18	22°59'35	7♌41	29°17	7° 2	15°55	9°28	25° 5	27°11	22°19	7°40	1°43	3°14	19°55	n.a.	T 18
F 19	11 28 14	23°58'04	22°19	0♓48	7°57	16°41	9°39	25° 2	27°11	22°19	7°39	1°37	3°11	20° 2	n.a.	F 19
S 20	11 32 11	24°56'31	6♍54	2°21	8°53	17°26	9°51	24°58	27°12	22°20	7°37	1°32	3° 8	20° 8	n.a.	S 20
S 21	11 36 7	25°54'56	21°19	3°55	9°49	18°11	10° 3	24°54	27°12	22°20	7°36	1°27	3° 5	20°15	n.a.	S 21
M22	11 40 4	26°53'18	5♎28	5°31	10°46	18°56	10°14	24°51	27°13	22°21	7°35	1°23	3° 1	20°22	n.a.	M22
T 23	11 44 0	27°51'39	19°16	7° 8	11°43	19°41	10°26	24°47	27°14	22°21	7°34	1°21	2°58	20°28	n.a.	T 23
W24	11 47 57	28°49'58	2♏41	8°47	12°41	20°26	10°38	24°44	27°14	22°22	7°33	1°D20	2°55	20°35	n.a.	W24
T 25	11 51 54	29°48'16	15°43	10°28	13°39	21°11	10°50	24°40	27°15	22°22	7°32	1°21	2°52	20°42	n.a.	T 25
F 26	11 55 50	0♈46'31	28°23	12°11	14°37	21°56	11° 2	24°37	27°16	22°23	7°31	1°22	2°49	20°49	n.a.	F 26
S 27	11 59 47	1°44'46	10♐45	13°56	15°36	22°41	11°14	24°33	27°17	22°23	7°29	1°24	2°45	20°55	n.a.	S 27
S 28	12 3 43	2°42'58	22°53	15°42	16°36	23°25	11°26	24°30	27°18	22°24	7°28	1°25	2°42	21° 2	n.a.	S 28
M29	12 7 40	3°41'09	4♑51	17°30	17°35	24°10	11°38	24°27	27°19	22°25	7°27	1°R26	2°39	21° 9	n.a.	M29
T 30	12 11 36	4°39'19	16°44	19°19	18°35	24°55	11°51	24°24	27°20	22°25	7°26	1°25	2°36	21°16	n.a.	T 30
W31	12 15 33	5♈37'26	28♑37	21♓11	19♒35	25♓40	12♉ 3	24♌21	27♊21	22♊26	7♏24	1♉23	2♉33	21♑22	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	9s18	27s48	4s 7	19s 3	0s47	18s 1	3n47	11s26	0s58	13n10	0s42	15n 3	2n18	24n 3	0n22	22n43	0s47	2s33	12n25	12n38	13n 3	27s24			n.a.
T 2	8 56	28 4	4 39	18 58	0 57	18 2	3 39	11 8	0 57	13 14	0 41	15 5	2 18	24 3	0 22	22 43	0 47	2 32	12 25	12 36	13 2	27 23			n.a.
W 3	8 33	27 3	4 58	18 52	1 6	18 2	3 31	10 51	0 57	13 17	0 41	15 6	2 18	24 3	0 22	22 43	0 47	2 32	12 26	12 34	13 1	27 22			n.a.
T 4	8 11	24 49	5 5	18 44	1 15	18 2	3 23	10 34	0 57	13 21	0 41	15 8	2 18	24 3	0 22	22 43	0 47	2 31	12 26	12 31	13 0	27 22			n.a.
F 5	7 49	21 28	4 59	18 35	1 24	18 2	3 14	10 16	0 56	13 24	0 41	15 9	2 18	24 3	0 22	22 43	0 47	2 31	12 26	12 28	12 59	27 21			n.a.
S 6	7 26	17 10	4 39	18 24	1 32	18 1	3 6	9 59	0 56	13 28	0 41	15 11	2 18	24 3	0 22	22 43	0 47	2 31	12 26	12 24	12 57	27 20			n.a.
S 7	7 3	12 7	4 5	18 11	1 39	17 59	2 58	9 41	0 56	13 31	0 40	15 12	2 18	24 3	0 22	22 43	0 47	2 30	12 27	12 21	12 56	27 19			n.a.
M 8	6 40	6 31	3 20	17 57	1 46	17 58	2 50	9 24	0 55	13 35	0 40	15 14	2 18	24 3	0 22	22 43	0 47	2 30	12 27	12 18	12 55	27 19			n.a.
T 9	6 18	0 34	2 24	17 41	1 52	17 55	2 43	9 6	0 55	13 39	0 40	15 15	2 18	24 3	0 22	22 43	0 47	2 29	12 27	12 16	12 54	27 18			n.a.
W10	5 55	5n30	1 20	17 23	1 58	17 52	2 35	8 48	0 55	13 42	0 40	15 17	2 18	24 3	0 22	22 43	0 47	2 29	12 27	12 15	12 53	27 17			n.a.
T 11	5 32	11 26	0 10	17 5	2 3	17 49	2 27	8 30	0 54	13 46	0 40	15 18	2 18	24 3	0 21	22 43	0 47	2 28	12 28	12 15	12 52	27 16			n.a.
F 12	5 8	16 58	1n 1	16 44	2 8	17 45	2 20	8 13	0 54	13 50	0 39	15 20	2 18	24 3	0 21	22 43	0 47	2 28	12 28	12 15	12 51	27 16			n.a.
S 13	4 45	21 47	2 11	16 22	2 12	17 41	2 12	7 55	0 54	13 54	0 39	15 21	2 17	24 3	0 21	22 43	0 47	2 27	12 28	12 15	12 50	27 15			n.a.
S 14	4 22	25 29	3 14	15 58	2 16	17 36	2 5	7 37	0 53	13 57	0 39	15 23	2 17	24 3	0 21	22 43	0 47	2 27	12 28	12 16	12 49	27 14			n.a.
M15	3 59	27 43	4 6	15 33	2 19	17 31	1 57	7 19	0 53	14 1	0 39	15 24	2 17	24 3	0 21	22 43	0 47	2 26	12 29	12 16	12 48	27 13			n.a.
T 16	3 36	28 11	4 45	15 6	2 22	17 25	1 50	7 1	0 52	14 5	0 39	15 25	2 17	24 3	0 21	22 43	0 47	2 26	12 29	12 15	12 47	27 12			n.a.
W17	3 12	26 45	5 6	14 38	2 24	17 18	1 43	6 43	0 52	14 9	0 39	15 26	2 17	24 3	0 21	22 44	0 46	2 25	12 29	12 14	12 45	27 12			n.a.
T 18	2 49	23 31	5 8	14 8	2 26	17 11	1 36	6 24	0 52	14 13	0 38	15 28	2 17	24 3	0 21	22 44	0 46	2 24	12 29	12 13	12 44	27 11			n.a.
F 19	2 25	18 48	4 50	13 37	2 27	17 4	1 29	6 6	0 51	14 17	0 38	15 29	2 17	24 3	0 21	22 44	0 46	2 24	12 30	12 11	12 43	27 10			n.a.
S 20	2 2	12 59	4 13	13 4	2 28	16 56	1 22	5 48	0 51	14 20	0 38	15 30	2 17	24 3	0 21	22 44	0 46	2 23	12 30	12 9	12 42	27 9			n.a.
S 21	1 39	6 33	3 20	12 29	2 28	16 47	1 16	5 30	0 50	14 24	0 38	15 31	2 17	24 3	0 21	22 44	0 46	2 23	12 30	12 7	12 41	27 8			n.a.
M22	1 15	0s 7	2 16	11 53	2 28	16 38	1 9	5 12	0 50	14 28	0 38	15 33	2 17	24 3	0 21	22 44	0 46	2 22	12 30	12 6	12 40	27 7			n.a.
T 23	0 52	6 37	1 5	11 15	2 27	16 29	1 2	4 53	0 50	14 32	0 37	15 34	2 17	24 3	0 21	22 44	0 46	2 22	12 30	12 5	12 39	27 6			n.a.
W24	0 28	12 40	0s 7	10 36	2 25	16 19	0 56	4 35	0 49	14 36	0 37	15 35	2 17	24 3	0 21	22 44	0 46	2 21	12 31	12 5	12 38	27 6			n.a.
T 25	0 5	17 59	1 18	9 56	2 23	16 8	0 50	4 17	0 49	14 40	0 37	15 36	2 17	24 3	0 21	22 44	0 46	2 21	12 31	12 5	12 37	27 5			n.a.
F 26	0n19	22 21	2 22	9 14	2 21	15 57	0 43	3 58	0 48	14 44	0 37	15 37	2 17	24 3	0 21	22 44	0 46	2 20	12 31	12 5	12 36	27 4			n.a.
S 27	0 42	25 36	3 19	8 30	2 17	15 45	0 37	3 40	0 48	14 48	0 37	15 38	2 17	24 3	0 21	22 44	0 46	2 20	12 31	12 6	12 34	27 3			n.a.
S 28	1 6	27 37	4 5	7 45	2 14	15 33	0 31	3 22	0 47	14 52	0 37	15 39	2 16	24 3	0 21	22 44	0 46	2 19	12 31	12 6	12 33	27 2			n.a.
M29	1 29	28 18	4 40	6 59	2 10	15 21	0 25	3 4	0 47	14 56	0 36	15 40	2 16	24 3	0 21	22 44	0 46	2 19	12 32	12 7	12 32	27 1			n.a.
T 30	1 52	27 40	5 3	6 11	2 5	15 8	0 20	2 45	0 46	15 0	0 36	15 41	2 16	24 3	0 21	22 44	0 46	2 18	12 32	12 6	12 31	27 0			n.a.
W31	2n16	25s47	5s13	5s22	2s 0	14s54	0n14	2s27	0s46	15n 4	0s36	15n42	2n16	24n 3	0n21	22n44	0s46	2s17	12n32	12n 6	12n30	26s59			n.a.

Julian Day Number = 1637474.5, Delta T = 03h38m20s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'34, Lahiri = - 7°07'33 Julian Calendar 1 March 230 BCE == Greg. Calendar 25 Feb. 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

APRIL 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 19 29	6♈35'33	10♒34	23♓ 4	20♒36	26♓24	12♉16	24°R18	27♊22	22♊27	7°R23	1°R20	2♉30	21♑29	n.a.	T 1
F 2	12 23 26	7°33'37	22°39	24°59	21°37	27° 9	12°28	24♌16	27°24	22°28	7♏22	1♉17	2°26	21°36	n.a.	F 2
S 3	12 27 23	8°31'40	4♓55	26°56	22°38	27°53	12°40	24°13	27°25	22°29	7°20	1°13	2°23	21°42	n.a.	S 3
S 4	12 31 19	9°29'42	17°24	28°54	23°40	28°38	12°53	24°10	27°26	22°29	7°19	1° 9	2°20	21°49	n.a.	S 4
M 5	12 35 16	10°27'42	0♈ 8	0♈54	24°42	29°22	13° 6	24° 8	27°28	22°30	7°17	1° 7	2°17	21°56	n.a.	M 5
T 6	12 39 12	11°25'40	13° 7	2°55	25°44	0♈ 6	13°18	24° 5	27°29	22°31	7°16	1° 5	2°14	22° 3	n.a.	T 6
W 7	12 43 9	12°23'36	26°21	4°59	26°46	0°51	13°31	24° 3	27°30	22°32	7°15	1°D 4	2°11	22° 9	n.a.	W 7
T 8	12 47 5	13°21'31	9♉48	7° 3	27°49	1°35	13°44	24° 1	27°32	22°33	7°13	1° 4	2° 7	22°16	n.a.	T 8
F 9	12 51 2	14°19'24	23°28	9° 9	28°51	2°19	13°57	23°58	27°33	22°34	7°12	1° 5	2° 4	22°23	n.a.	F 9
S 10	12 54 58	15°17'16	7♊18	11°17	29°54	3° 3	14°10	23°56	27°35	22°35	7°10	1° 6	2° 1	22°29	n.a.	S 10
S 11	12 58 55	16°15'05	21°18	13°25	0♓58	3°47	14°23	23°54	27°37	22°36	7° 9	1° 7	1°58	22°36	n.a.	S 11
M12	13 2 52	17°12'53	5♋25	15°34	2° 1	4°31	14°35	23°53	27°38	22°38	7° 7	1° 8	1°55	22°43	n.a.	M12
T 13	13 6 48	18°10'39	19°37	17°44	3° 5	5°15	14°48	23°51	27°40	22°39	7° 6	1°R 8	1°51	22°50	n.a.	T 13
W14	13 10 45	19° 8'24	3♌52	19°55	4° 9	5°59	15° 2	23°49	27°42	22°40	7° 4	1° 8	1°48	22°56	n.a.	W14
T 15	13 14 41	20° 6'06	18° 8	22° 6	5°13	6°43	15°15	23°47	27°44	22°41	7° 3	1° 7	1°45	23° 3	n.a.	T 15
F 16	13 18 38	21° 3'46	2♍21	24°17	6°17	7°27	15°28	23°46	27°46	22°42	7° 1	1° 6	1°42	23°10	n.a.	F 16
S 17	13 22 34	22° 1'25	16°27	26°27	7°22	8°10	15°41	23°45	27°48	22°44	6°59	1° 5	1°39	23°17	n.a.	S 17
S 18	13 26 31	22°59'02	0♎24	28°37	8°26	8°54	15°54	23°43	27°50	22°45	6°58	1° 4	1°36	23°23	n.a.	S 18
M19	13 30 27	23°56'38	14° 7	0♏46	9°31	9°38	16° 7	23°42	27°52	22°46	6°56	1° 3	1°32	23°30	n.a.	M19
T 20	13 34 24	24°54'13	27°36	2°54	10°36	10°21	16°21	23°41	27°54	22°48	6°55	1°D 3	1°29	23°37	n.a.	T 20
W21	13 38 20	25°51'46	10♏47	5° 1	11°42	11° 5	16°34	23°40	27°56	22°49	6°53	1° 3	1°26	23°43	n.a.	W21
T 22	13 42 17	26°49'18	23°40	7° 6	12°47	11°48	16°47	23°39	27°58	22°50	6°52	1° 3	1°23	23°50	n.a.	T 22
F 23	13 46 14	27°46'48	6♐16	9° 9	13°53	12°32	17° 1	23°38	28° 0	22°52	6°50	1° 4	1°20	23°57	n.a.	F 23
S 24	13 50 10	28°44'18	18°37	11°10	14°59	13°15	17°14	23°37	28° 2	22°53	6°48	1° 4	1°17	24° 4	n.a.	S 24
S 25	13 54 7	29°41'47	0♑45	13° 9	16° 4	13°58	17°27	23°37	28° 5	22°55	6°47	1° 4	1°13	24°10	n.a.	S 25
M26	13 58 3	0♉39'15	12°45	15° 6	17°11	14°42	17°41	23°36	28° 7	22°56	6°45	1° 4	1°10	24°17	n.a.	M26
T 27	14 2 0	1°36'42	24°39	17° 0	18°17	15°25	17°54	23°36	28° 9	22°58	6°43	1°R 4	1° 7	24°24	n.a.	T 27
W28	14 5 56	2°34'08	6♒33	18°52	19°23	16° 8	18° 8	23°36	28°12	22°59	6°42	1°D 4	1° 4	24°30	n.a.	W28
T 29	14 9 53	3°31'33	18°31	20°41	20°30	16°51	18°21	23°35	28°14	23° 1	6°40	1° 4	1° 1	24°37	n.a.	T 29
F 30	14 13 50	4♉28'57	0♓37	22♉27	21♓36	17♈34	18♉35	23♌35	28♊17	23♊ 2	6♏39	1♉ 4	0♉57	24♑44	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n39	22s45	5s 9	4s31	1s54	14s40	0n 8	2s 8	0s45	15n 8	0s36	15n43	2n16	24n 3	0n21	22n45	0s46	2s17	12n32	12n 5	12n29	26s58		n.a.
F 2	3 2	18 43	4 52	3 40	1 48	14 25	0 3	1 50	0 45	15 12	0 36	15 43	2 16	24 3	0 21	22 45	0 46	2 16	12 32	12 3	12 28	26 57		n.a.
S 3	3 25	13 52	4 21	2 46	1 41	14 10	0s 3	1 32	0 45	15 16	0 36	15 44	2 16	24 3	0 21	22 45	0 46	2 16	12 32	12 2	12 27	26 56		n.a.
S 4	3 48	8 22	3 37	1 52	1 33	13 55	0 8	1 14	0 44	15 20	0 36	15 45	2 16	24 3	0 21	22 45	0 46	2 15	12 32	12 1	12 26	26 55		n.a.
M 5	4 11	2 25	2 42	0 57	1 26	13 39	0 13	0 55	0 44	15 24	0 35	15 46	2 16	24 3	0 21	22 45	0 46	2 15	12 32	12 0	12 25	26 54		n.a.
T 6	4 34	3n45	1 37	0 0	1 17	13 23	0 18	0 37	0 43	15 28	0 35	15 47	2 15	24 3	0 21	22 45	0 46	2 14	12 33	11 59	12 23	26 54		n.a.
W 7	4 57	9 53	0 26	0n57	1 9	13 6	0 23	0 19	0 43	15 32	0 35	15 47	2 15	24 3	0 21	22 45	0 46	2 14	12 33	11 59	12 22	26 53		n.a.
T 8	5 20	15 41	0n48	1 55	1 0	12 48	0 28	0 0	0 42	15 36	0 35	15 48	2 15	24 3	0 21	22 45	0 46	2 13	12 33	11 59	12 21	26 52		n.a.
F 9	5 43	20 48	2 0	2 54	0 50	12 31	0 32	0n18	0 42	15 40	0 35	15 48	2 15	24 3	0 21	22 45	0 46	2 12	12 33	11 59	12 20	26 51		n.a.
S 10	6 5	24 52	3 7	3 54	0 41	12 13	0 37	0 36	0 41	15 44	0 35	15 49	2 15	24 3	0 21	22 45	0 46	2 12	12 33	12 0	12 19	26 50		n.a.
S 11	6 28	27 28	4 3	4 53	0 30	11 54	0 41	0 54	0 41	15 48	0 35	15 50	2 15	24 3	0 21	22 45	0 46	2 11	12 33	12 0	12 18	26 49		n.a.
M12	6 50	28 21	4 45	5 53	0 20	11 35	0 46	1 12	0 40	15 52	0 34	15 50	2 15	24 3	0 21	22 46	0 46	2 11	12 33	12 0	12 17	26 47		n.a.
T 13	7 13	27 22	5 10	6 54	0 10	11 16	0 50	1 30	0 40	15 56	0 34	15 51	2 14	24 3	0 21	22 46	0 46	2 10	12 33	12 0	12 16	26 46		n.a.
W14	7 35	24 37	5 16	7 53	0n 1	10 56	0 54	1 48	0 39	16 0	0 34	15 51	2 14	24 3	0 21	22 46	0 45	2 10	12 33	12 0	12 15	26 45		n.a.
T 15	7 57	20 21	5 2	8 53	0 11	10 36	0 58	2 6	0 39	16 4	0 34	15 51	2 14	24 3	0 21	22 46	0 45	2 9	12 33	12 0	12 13	26 44		n.a.
F 16	8 19	14 57	4 30	9 52	0 22	10 16	1 2	2 24	0 38	16 8	0 34	15 52	2 14	24 4	0 21	22 46	0 45	2 9	12 33	12 0	12 12	26 43		n.a.
S 17	8 41	8 49	3 42	10 50	0 32	9 55	1 5	2 42	0 37	16 12	0 34	15 52	2 14	24 4	0 21	22 46	0 45	2 8	12 33	11 59	12 11	26 42		n.a.
S 18	9 2	2 18	2 42	11 47	0 43	9 34	1 9	3 0	0 37	16 16	0 34	15 52	2 14	24 4	0 21	22 46	0 45	2 8	12 33	11 59	12 10	26 41		n.a.
M19	9 24	4s13	1 32	12 42	0 53	9 13	1 13	3 18	0 36	16 20	0 33	15 53	2 14	24 4	0 21	22 46	0 45	2 7	12 33	11 59	12 9	26 40		n.a.
T 20	9 45	10 27	0 19	13 36	1 3	8 51	1 16	3 36	0 36	16 23	0 33	15 53	2 13	24 4	0 21	22 46	0 45	2 7	12 33	11 59	12 8	26 39		n.a.
W21	10 7	16 5	0s54	14 28	1 12	8 29	1 19	3 54	0 35	16 27	0 33	15 53	2 13	24 4	0 21	22 46	0 45	2 6	12 33	11 59	12 7	26 38		n.a.
T 22	10 28	20 53	2 2	15 19	1 21	8 6	1 22	4 11	0 35	16 31	0 33	15 53	2 13	24 4	0 21	22 47	0 45	2 6	12 33	11 59	12 6	26 37		n.a.
F 23	10 49	24 37	3 3	16 7	1 29	7 44	1 26	4 29	0 34	16 35	0 33	15 53	2 13	24 4	0 21	22 47	0 45	2 5	12 33	11 59	12 5	26 36		n.a.
S 24	11 9	27 7	3 54	16 54	1 37	7 21	1 28	4 46	0 34	16 39	0 33	15 53	2 13	24 4	0 21	22 47	0 45	2 5	12 33	11 59	12 3	26 35		n.a.
S 25	11 30	28 17	4 34	17 38	1 44	6 57	1 31	5 4	0 33	16 43	0 33	15 53	2 13	24 4	0 21	22 47	0 45	2 4	12 33	11 59	12 2	26 33		n.a.
M26	11 50	28 6	5 1	18 19	1 51	6 34	1 34	5 21	0 33	16 47	0 33	15 53	2 12	24 4	0 21	22 47	0 45	2 4	12 33	11 59	12 1	26 32		n.a.
T 27	12 10	26 36	5 15	18 59	1 57	6 10	1 37	5 39	0 32	16 51	0 32	15 53	2 12	24 4	0 21	22 47	0 45	2 3	12 33	11 59	12 0	26 31		n.a.
W28	12 31	23 56	5 15	19 35	2 2	5 46	1 39	5 56	0 32	16 55	0 32	15 53	2 12	24 4	0 21	22 47	0 45	2 3	12 33	11 59	11 59	26 30		n.a.
T 29	12 50	20 14	5 2	20 10	2 6	5 22	1 42	6 13	0 31	16 59	0 32	15 53	2 12	24 4	0 21	22 47	0 45	2 2	12 33	11 59	11 58	26 29		n.a.
F 30	13n10	15s40	4s36	20n42	2n10	4s57	1s44	6n30	0s30	17n 3	0s32	15n53	2n12	24n 4	0n21	22n47	0s45	2s 2	12n33	11n59	11n57	26s28		n.a.

Julian Day Number = 1637505.5, Delta T = 03h38m19s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'29, Lahiri = - 7°07'29 Julian Calendar 1 Apr. 230 BCE == Greg. Calendar 28 March 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

MAY 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 17 46	5♉26'21	12♓56	24♉11	22♓43	18♈17	18♉48	23°D35	28♊19	23♊ 4	6°R37	1♉ 5	0♉54	24♑51	n.a.	S 1
S 2	14 21 43	6°23'44	25°31	25°52	23°50	19° 0	19° 2	23♌35	28°22	23° 6	6♏35	1° 5	0°51	24°57	n.a.	S 2
M 3	14 25 39	7°21'05	8♈25	27°29	24°57	19°43	19°16	23°36	28°24	23° 7	6°34	1° 6	0°48	25° 4	n.a.	M 3
T 4	14 29 36	8°18'27	21°39	29° 4	26° 4	20°26	19°29	23°36	28°27	23° 9	6°32	1° 6	0°45	25°11	n.a.	T 4
W 5	14 33 32	9°15'47	5♉12	0♊37	27°12	21° 8	19°43	23°36	28°29	23°11	6°30	1°R 6	0°42	25°18	n.a.	W 5
T 6	14 37 29	10°13'06	19° 4	2° 6	28°19	21°51	19°56	23°37	28°32	23°12	6°29	1° 6	0°38	25°24	n.a.	T 6
F 7	14 41 25	11°10'25	3♊11	3°32	29°26	22°34	20°10	23°37	28°35	23°14	6°27	1° 5	0°35	25°31	n.a.	F 7
S 8	14 45 22	12° 7'43	17°29	4°55	0♈34	23°16	20°24	23°38	28°38	23°16	6°25	1° 4	0°32	25°38	n.a.	S 8
S 9	14 49 19	13° 5'00	1♋53	6°16	1°42	23°59	20°37	23°39	28°40	23°18	6°24	1° 3	0°29	25°44	n.a.	S 9
M10	14 53 15	14° 2'16	16°18	7°33	2°50	24°41	20°51	23°40	28°43	23°19	6°22	1° 1	0°26	25°51	n.a.	M10
T 11	14 57 12	14°59'31	0♌40	8°47	3°58	25°24	21° 5	23°41	28°46	23°21	6°21	1° 0	0°22	25°58	n.a.	T 11
W12	15 1 8	15°56'44	14°55	9°58	5° 6	26° 6	21°19	23°42	28°49	23°23	6°19	1°D 0	0°19	26° 5	n.a.	W12
T 13	15 5 5	16°53'57	29° 1	11° 6	6°14	26°49	21°32	23°43	28°52	23°25	6°17	1° 0	0°16	26°11	n.a.	T 13
F 14	15 9 1	17°51'09	12♍57	12°10	7°22	27°31	21°46	23°44	28°55	23°27	6°16	1° 1	0°13	26°18	n.a.	F 14
S 15	15 12 58	18°48'20	26°40	13°11	8°30	28°13	22° 0	23°46	28°58	23°29	6°14	1° 2	0°10	26°25	n.a.	S 15
S 16	15 16 54	19°45'30	10♎10	14° 9	9°39	28°55	22°13	23°47	29° 1	23°31	6°13	1° 4	0° 7	26°32	n.a.	S 16
M17	15 20 51	20°42'39	23°28	15° 3	10°47	29°37	22°27	23°49	29° 4	23°33	6°11	1° 4	0° 3	26°38	n.a.	M17
T 18	15 24 48	21°39'48	6♏33	15°53	11°56	0♉19	22°41	23°51	29° 7	23°34	6° 9	1°R 4	0° 0	26°45	n.a.	T 18
W19	15 28 44	22°36'56	19°24	16°40	13° 5	1° 1	22°55	23°52	29°10	23°36	6° 8	1° 4	29♈57	26°52	n.a.	W19
T 20	15 32 41	23°34'04	2♐ 3	17°23	14°13	1°43	23° 8	23°54	29°13	23°38	6° 6	1° 1	29°54	26°58	n.a.	T 20
F 21	15 36 37	24°31'12	14°29	18° 2	15°22	2°25	23°22	23°56	29°16	23°40	6° 5	0°58	29°51	27° 5	n.a.	F 21
S 22	15 40 34	25°28'19	26°44	18°37	16°31	3° 7	23°36	23°58	29°20	23°42	6° 3	0°55	29°48	27°12	n.a.	S 22
S 23	15 44 30	26°25'26	8♑49	19° 8	17°40	3°49	23°49	24° 0	29°23	23°44	6° 2	0°51	29°44	27°19	n.a.	S 23
M24	15 48 27	27°22'33	20°47	19°35	18°50	4°30	24° 3	24° 3	29°26	23°46	6° 0	0°47	29°41	27°25	n.a.	M24
T 25	15 52 23	28°19'40	2♒40	19°57	19°59	5°12	24°17	24° 5	29°29	23°48	5°59	0°43	29°38	27°32	n.a.	T 25
W26	15 56 20	29°16'47	14°34	20°15	21° 8	5°54	24°31	24° 8	29°33	23°51	5°57	0°41	29°35	27°39	n.a.	W26
T 27	16 0 17	0♊13'54	26°30	20°28	22°18	6°35	24°44	24°10	29°36	23°53	5°56	0°D40	29°32	27°45	n.a.	T 27
F 28	16 4 13	1°11'01	8♓35	20°37	23°27	7°17	24°58	24°13	29°39	23°55	5°54	0°40	29°28	27°52	n.a.	F 28
S 29	16 8 10	2° 8'08	20°53	20°R41	24°37	7°58	25°12	24°15	29°42	23°57	5°53	0°41	29°25	27°59	n.a.	S 29
S 30	16 12 6	3° 5'15	3♈29	20°41	25°46	8°39	25°25	24°18	29°46	23°59	5°52	0°43	29°22	28° 6	n.a.	S 30
M31	16 16 3	4♊ 2'22	16♈26	20♊36	26♈56	9♉21	25♉39	24♌21	29♊49	24♊ 1	5♏50	0♉44	29♈19	28♑12	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n29	10s24	3s56	21n11	2n13	4s33	1s46	6n48	0s30	17n 7	0s32	15n53	2n12	24n 4	0n21	22n48	0s45	2s 1	12n33	11n59	11n56	26s27		n.a.
S 2	13 49	4 37	3 5	21 39	2 15	4 8	1 48	7 5	0 29	17 11	0 32	15 53	2 11	24 4	0 21	22 48	0 45	2 1	12 33	11 59	11 54	26 25		n.a.
M 3	14 8	1n30	2 2	22 3	2 17	3 42	1 50	7 22	0 29	17 14	0 32	15 53	2 11	24 4	0 21	22 48	0 45	2 1	12 33	12 0	11 53	26 24		n.a.
T 4	14 27	7 44	0 52	22 26	2 18	3 17	1 52	7 38	0 28	17 18	0 32	15 52	2 11	24 4	0 21	22 48	0 45	2 0	12 33	12 0	11 52	26 23		n.a.
W 5	14 45	13 46	0n23	22 46	2 18	2 52	1 53	7 55	0 27	17 22	0 32	15 52	2 11	24 4	0 21	22 48	0 45	2 0	12 33	12 0	11 51	26 22		n.a.
T 6	15 3	19 16	1 38	23 4	2 17	2 26	1 55	8 12	0 27	17 26	0 31	15 52	2 11	24 4	0 21	22 48	0 45	1 59	12 33	12 0	11 50	26 21		n.a.
F 7	15 22	23 47	2 48	23 19	2 15	2 0	1 57	8 28	0 26	17 30	0 31	15 51	2 11	24 4	0 21	22 48	0 45	1 59	12 32	11 59	11 49	26 19		n.a.
S 8	15 39	26 56	3 49	23 33	2 13	1 34	1 58	8 45	0 26	17 33	0 31	15 51	2 10	24 4	0 21	22 48	0 45	1 58	12 32	11 59	11 48	26 18		n.a.
S 9	15 57	28 19	4 36	23 45	2 10	1 8	1 59	9 1	0 25	17 37	0 31	15 51	2 10	24 4	0 21	22 49	0 45	1 58	12 32	11 59	11 47	26 17		n.a.
M10	16 14	27 46	5 5	23 54	2 6	0 42	2 0	9 18	0 25	17 41	0 31	15 50	2 10	24 4	0 21	22 49	0 45	1 58	12 32	11 58	11 45	26 16		n.a.
T 11	16 32	25 23	5 16	24 2	2 1	0 16	2 2	9 34	0 24	17 45	0 31	15 50	2 10	24 4	0 21	22 49	0 45	1 57	12 32	11 58	11 44	26 14		n.a.
W12	16 48	21 25	5 6	24 7	1 56	0n11	2 2	9 50	0 23	17 48	0 31	15 49	2 10	24 4	0 21	22 49	0 45	1 57	12 32	11 58	11 43	26 13		n.a.
T 13	17 5	16 18	4 39	24 11	1 50	0 37	2 3	10 6	0 23	17 52	0 31	15 49	2 10	24 4	0 21	22 49	0 45	1 57	12 32	11 58	11 42	26 12		n.a.
F 14	17 21	10 23	3 55	24 13	1 43	1 4	2 4	10 22	0 22	17 56	0 31	15 48	2 9	24 4	0 21	22 49	0 45	1 56	12 31	11 58	11 41	26 11		n.a.
S 15	17 37	4 4	2 58	24 14	1 36	1 30	2 5	10 38	0 22	18 0	0 31	15 47	2 9	24 4	0 21	22 49	0 45	1 56	12 31	11 58	11 40	26 9		n.a.
S 16	17 53	2s21	1 53	24 13	1 27	1 57	2 5	10 54	0 21	18 3	0 30	15 47	2 9	24 4	0 21	22 49	0 45	1 56	12 31	11 59	11 39	26 8		n.a.
M17	18 9	8 34	0 42	24 10	1 18	2 24	2 6	11 9	0 20	18 7	0 30	15 46	2 9	24 4	0 21	22 49	0 44	1 55	12 31	11 59	11 38	26 7		n.a.
T 18	18 24	14 20	0s30	24 6	1 8	2 50	2 6	11 25	0 20	18 10	0 30	15 45	2 9	24 4	0 21	22 50	0 44	1 55	12 31	11 59	11 36	26 6		n.a.
W19	18 39	19 23	1 39	24 1	0 58	3 17	2 6	11 40	0 19	18 14	0 30	15 44	2 9	24 4	0 21	22 50	0 44	1 55	12 30	11 59	11 35	26 4		n.a.
T 20	18 53	23 28	2 42	23 54	0 47	3 44	2 7	11 55	0 19	18 18	0 30	15 44	2 8	24 4	0 21	22 50	0 44	1 54	12 30	11 58	11 34	26 3		n.a.
F 21	19 8	26 23	3 36	23 46	0 35	4 11	2 7	12 11	0 18	18 21	0 30	15 43	2 8	24 4	0 21	22 50	0 44	1 54	12 30	11 57	11 33	26 2		n.a.
S 22	19 21	28 0	4 19	23 37	0 23	4 37	2 7	12 26	0 17	18 25	0 30	15 42	2 8	24 4	0 21	22 50	0 44	1 54	12 30	11 56	11 32	26 0		n.a.
S 23	19 35	28 15	4 50	23 26	0 10	5 4	2 7	12 41	0 17	18 28	0 30	15 41	2 8	24 4	0 21	22 50	0 44	1 54	12 30	11 54	11 31	25 59		n.a.
M24	19 48	27 10	5 8	23 15	0s 4	5 31	2 6	12 55	0 16	18 32	0 30	15 40	2 8	24 4	0 21	22 50	0 44	1 53	12 29	11 53	11 30	25 58		n.a.
T 25	20 1	24 52	5 13	23 3	0 18	5 58	2 6	13 10	0 15	18 35	0 30	15 39	2 8	24 4	0 21	22 50	0 44	1 53	12 29	11 52	11 29	25 56		n.a.
W26	20 14	21 29	5 4	22 49	0 32	6 24	2 6	13 25	0 15	18 39	0 29	15 38	2 7	24 4	0 21	22 51	0 44	1 53	12 29	11 51	11 27	25 55		n.a.
T 27	20 26	17 14	4 42	22 35	0 47	6 51	2 5	13 39	0 14	18 42	0 29	15 37	2 7	24 4	0 21	22 51	0 44	1 53	12 29	11 51	11 26	25 54		n.a.
F 28	20 39	12 15	4 7	22 21	1 3	7 17	2 5	13 53	0 14	18 46	0 29	15 36	2 7	24 4	0 21	22 51	0 44	1 52	12 28	11 51	11 25	25 52		n.a.
S 29	20 50	6 43	3 21	22 5	1 19	7 44	2 4	14 8	0 13	18 49	0 29	15 35	2 7	24 4	0 21	22 51	0 44	1 52	12 28	11 51	11 24	25 51		n.a.
S 30	21 1	0 47	2 23	21 49	1 34	8 10	2 3	14 22	0 12	18 53	0 29	15 34	2 7	24 4	0 21	22 51	0 44	1 52	12 28	11 52	11 23	25 49		n.a.
M31	21n12	5n21	1s17	21n33	1s50	8n36	2s 2	14n36	0s12	18n56	0s29	15n33	2n 7	24n 4	0n21	22n51	0s44	1s52	12n28	11n52	11n22	25s48		n.a.

Julian Day Number = 1637535.5, Delta T = 03h38m18s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'25, Lahiri = - 7°07'25 Julian Calendar 1 May 230 BCE == Greg. Calendar 27 Apr. 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

JUNE 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 19 59	4♊59'30	29♈46	20°R26	28♈ 6	10♉ 2	25♉53	24♌24	29♊53	24♊ 3	5°R49	0°R45	29♈16	28♉19	n.a.	T 1
W 2	16 23 56	5°56'38	13♉32	20♊12	29°16	10°43	26° 6	24°27	29°56	24° 5	5♏47	0♉44	29°13	28°26	n.a.	W 2
T 3	16 27 52	6°53'46	27°42	19°54	0♉26	11°24	26°20	24°30	29°59	24° 7	5°46	0°42	29° 9	28°33	n.a.	T 3
F 4	16 31 49	7°50'54	12♊12	19°32	1°36	12° 6	26°33	24°34	0♋ 3	24°10	5°45	0°38	29° 6	28°39	n.a.	F 4
S 5	16 35 46	8°48'02	26°56	19° 6	2°46	12°47	26°47	24°37	0° 6	24°12	5°43	0°33	29° 3	28°46	n.a.	S 5
S 6	16 39 42	9°45'11	11♋46	18°37	3°56	13°28	27° 0	24°40	0°10	24°14	5°42	0°28	29° 0	28°53	n.a.	S 6
M 7	16 43 39	10°42'19	26°35	18° 5	5° 6	14° 9	27°14	24°44	0°13	24°16	5°41	0°22	28°57	28°59	n.a.	M 7
T 8	16 47 35	11°39'27	11♌15	17°30	6°16	14°50	27°27	24°48	0°17	24°18	5°40	0°18	28°54	29° 6	n.a.	T 8
W 9	16 51 32	12°36'36	25°40	16°54	7°27	15°30	27°41	24°51	0°20	24°20	5°38	0°15	28°50	29°13	n.a.	W 9
T 10	16 55 28	13°33'44	9♍47	16°16	8°37	16°11	27°54	24°55	0°24	24°23	5°37	0°D14	28°47	29°20	n.a.	T 10
F 11	16 59 25	14°30'52	23°35	15°38	9°48	16°52	28° 8	24°59	0°28	24°25	5°36	0°14	28°44	29°26	n.a.	F 11
S 12	17 3 22	15°28'00	7♎ 5	14°59	10°58	17°33	28°21	25° 3	0°31	24°27	5°35	0°15	28°41	29°33	n.a.	S 12
S 13	17 7 18	16°25'08	20°18	14°21	12° 9	18°13	28°34	25° 7	0°35	24°29	5°34	0°16	28°38	29°40	n.a.	S 13
M14	17 11 15	17°22'16	3♏15	13°45	13°19	18°54	28°48	25°11	0°38	24°31	5°33	0°R16	28°34	29°47	n.a.	M14
T 15	17 15 11	18°19'25	15°59	13°10	14°30	19°34	29° 1	25°15	0°42	24°34	5°32	0°15	28°31	29°53	n.a.	T 15
W16	17 19 8	19°16'34	28°32	12°38	15°41	20°15	29°14	25°19	0°46	24°36	5°31	0°12	28°28	29°59	n.a.	W16
T 17	17 23 4	20°13'44	10♐55	12° 9	16°52	20°55	29°28	25°24	0°49	24°38	5°29	0° 6	28°25	0♒ 7	n.a.	T 17
F 18	17 27 1	21°10'54	23° 9	11°44	18° 3	21°35	29°41	25°28	0°53	24°40	5°28	29♈59	28°22	0°13	n.a.	F 18
S 19	17 30 57	22° 8'04	5♑15	11°23	19°14	22°16	29°54	25°33	0°56	24°43	5°27	29°50	28°19	0°20	n.a.	S 19
S 20	17 34 54	23° 5'16	17°15	11° 6	20°25	22°56	0♊ 7	25°37	1° 0	24°45	5°27	29°40	28°15	0°27	n.a.	S 20
M21	17 38 51	24° 2'28	29°10	10°55	21°36	23°36	0°20	25°42	1° 4	24°47	5°26	29°30	28°12	0°34	n.a.	M21
T 22	17 42 47	24°59'40	11♒ 2	10°49	22°47	24°16	0°33	25°47	1° 7	24°49	5°25	29°21	28° 9	0°40	n.a.	T 22
W23	17 46 44	25°56'54	22°54	10°D48	23°58	24°56	0°46	25°51	1°11	24°51	5°24	29°15	28° 6	0°47	n.a.	W23
T 24	17 50 40	26°54'09	4♓50	10°53	25° 9	25°36	0°59	25°56	1°15	24°54	5°23	29°10	28° 3	0°54	n.a.	T 24
F 25	17 54 37	27°51'24	16°53	11° 4	26°21	26°16	1°12	26° 1	1°18	24°56	5°22	29° 7	28° 0	1° 1	n.a.	F 25
S 26	17 58 33	28°48'41	29° 8	11°21	27°32	26°56	1°25	26° 6	1°22	24°58	5°21	29°D 7	27°56	1° 7	n.a.	S 26
S 27	18 2 30	29°45'58	11♈40	11°44	28°44	27°36	1°38	26°11	1°26	25° 0	5°21	29° 7	27°53	1°14	n.a.	S 27
M28	18 6 27	0♋43'17	24°34	12°13	29°55	28°16	1°51	26°16	1°29	25° 3	5°20	29°R 8	27°50	1°21	n.a.	M28
T 29	18 10 23	1°40'37	7♉54	12°48	1♊ 7	28°56	2° 3	26°21	1°33	25° 5	5°19	29° 7	27°47	1°27	n.a.	T 29
W30	18 14 20	2♋37'58	21♉41	13♊29	2♊19	29♉35	2♊16	26♌27	1♋37	25♊ 7	5♏18	29♈ 5	27♈44	1♒34	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n23	11n26	0s 5	21n17	2s 6	9n 2	2s 2	14n50	0s11	18n59	0s29	15n32	2n 6	24n 4	0n21	22n51	0s44	1s52	12n27	11n52	11n21	25s47		n.a.
W 2	21 33	17 11	1n 9	21 0	2 22	9 28	2 1	15 3	0 10	19 3	0 29	15 30	2 6	24 4	0 21	22 51	0 44	1 51	12 27	11 52	11 19	25 45		n.a.
T 3	21 43	22 10	2 21	20 43	2 38	9 54	2 0	15 17	0 10	19 6	0 29	15 29	2 6	24 4	0 21	22 51	0 44	1 51	12 27	11 51	11 18	25 44		n.a.
F 4	21 53	25 56	3 26	20 26	2 53	10 19	1 58	15 30	0 9	19 9	0 29	15 28	2 6	24 4	0 21	22 52	0 44	1 51	12 26	11 50	11 17	25 42		n.a.
S 5	22 2	27 59	4 18	20 9	3 8	10 45	1 57	15 43	0 8	19 12	0 29	15 27	2 6	24 4	0 21	22 52	0 44	1 51	12 26	11 48	11 16	25 41		n.a.
S 6	22 11	28 4	4 53	19 53	3 22	11 10	1 56	15 57	0 8	19 16	0 29	15 25	2 6	24 4	0 21	22 52	0 44	1 51	12 26	11 46	11 15	25 39		n.a.
M 7	22 19	26 8	5 9	19 37	3 35	11 35	1 55	16 10	0 7	19 19	0 28	15 24	2 5	24 4	0 21	22 52	0 44	1 51	12 25	11 44	11 14	25 38		n.a.
T 8	22 27	22 28	5 4	19 22	3 47	11 59	1 53	16 22	0 6	19 22	0 28	15 23	2 5	24 4	0 21	22 52	0 44	1 51	12 25	11 43	11 13	25 37		n.a.
W 9	22 35	17 29	4 40	19 7	3 58	12 24	1 52	16 35	0 6	19 25	0 28	15 21	2 5	24 4	0 21	22 52	0 44	1 51	12 25	11 42	11 11	25 35		n.a.
T 10	22 42	11 40	3 59	18 53	4 8	12 48	1 50	16 48	0 5	19 28	0 28	15 20	2 5	24 4	0 21	22 52	0 44	1 51	12 24	11 41	11 10	25 34		n.a.
F 11	22 49	5 24	3 5	18 41	4 17	13 12	1 49	17 0	0 5	19 31	0 28	15 18	2 5	24 4	0 21	22 52	0 44	1 51	12 24	11 41	11 9	25 32		n.a.
S 12	22 55	0s59	2 2	18 30	4 24	13 36	1 47	17 12	0 4	19 34	0 28	15 17	2 5	24 4	0 21	22 52	0 44	1 51	12 24	11 42	11 8	25 31		n.a.
S 13	23 1	7 12	0 54	18 20	4 30	14 0	1 45	17 24	0 3	19 38	0 28	15 15	2 5	24 4	0 21	22 53	0 44	1 51	12 23	11 42	11 7	25 29		n.a.
M14	23 7	13 0	0s16	18 12	4 34	14 23	1 43	17 36	0 3	19 41	0 28	15 14	2 4	24 4	0 21	22 53	0 44	1 51	12 23	11 42	11 6	25 28		n.a.
T 15	23 12	18 9	1 24	18 5	4 36	14 46	1 41	17 48	0 2	19 44	0 28	15 12	2 4	24 4	0 21	22 53	0 44	1 51	12 23	11 42	11 5	25 26		n.a.
W16	23 17	22 27	2 26	18 0	4 37	15 9	1 40	18 0	0 1	19 47	0 28	15 11	2 4	24 4	0 21	22 53	0 44	1 51	12 22	11 41	11 3	25 25		n.a.
T 17	23 22	25 39	3 21	17 58	4 36	15 31	1 38	18 11	0 1	19 50	0 28	15 9	2 4	24 4	0 21	22 53	0 44	1 51	12 22	11 39	11 2	25 23		n.a.
F 18	23 26	27 37	4 5	17 57	4 34	15 53	1 35	18 23	0n 0	19 52	0 28	15 7	2 4	24 4	0 21	22 53	0 44	1 51	12 21	11 36	11 1	25 22		n.a.
S 19	23 29	28 15	4 38	17 58	4 30	16 15	1 33	18 34	0 1	19 55	0 28	15 6	2 4	24 4	0 21	22 53	0 44	1 51	12 21	11 33	11 0	25 20		n.a.
S 20	23 33	27 31	4 58	18 1	4 25	16 36	1 31	18 45	0 1	19 58	0 27	15 4	2 4	24 4	0 21	22 53	0 44	1 51	12 21	11 29	10 59	25 19		n.a.
M21	23 35	25 32	5 5	18 6	4 18	16 57	1 29	18 56	0 2	20 1	0 27	15 2	2 3	24 4	0 21	22 53	0 44	1 51	12 20	11 26	10 58	25 17		n.a.
T 22	23 38	22 27	4 59	18 12	4 10	17 17	1 27	19 7	0 3	20 4	0 27	15 1	2 3	24 4	0 21	22 54	0 44	1 51	12 20	11 23	10 57	25 15		n.a.
W23	23 40	18 26	4 40	18 21	4 1	17 37	1 25	19 17	0 3	20 7	0 27	14 59	2 3	24 4	0 21	22 54	0 44	1 51	12 19	11 20	10 55	25 14		n.a.
T 24	23 41	13 42	4 8	18 32	3 51	17 57	1 22	19 27	0 4	20 9	0 27	14 57	2 3	24 4	0 21	22 54	0 44	1 51	12 19	11 18	10 54	25 12		n.a.
F 25	23 42	8 23	3 26	18 44	3 40	18 16	1 20	19 38	0 5	20 12	0 27	14 55	2 3	24 4	0 21	22 54	0 44	1 51	12 19	11 18	10 53	25 11		n.a.
S 26	23 43	2 41	2 33	18 58	3 28	18 35	1 17	19 48	0 5	20 15	0 27	14 53	2 3	24 4	0 21	22 54	0 44	1 51	12 18	11 17	10 52	25 9		n.a.
S 27	23 43	3n16	1 32	19 14	3 16	18 54	1 15	19 58	0 6	20 18	0 27	14 52	2 3	24 4	0 21	22 54	0 44	1 52	12 18	11 17	10 51	25 8		n.a.
M28	23 43	9 15	0 24	19 31	3 3	19 12	1 13	20 7	0 7	20 20	0 27	14 50	2 3	24 4	0 21	22 54	0 44	1 52	12 17	11 18	10 50	25 6		n.a.
T 29	23 43	15 2	0n47	19 48	2 49	19 29	1 10	20 17	0 8	20 23	0 27	14 48	2 2	24 4	0 21	22 54	0 44	1 52	12 17	11 18	10 49	25 4		n.a.
W30	23n42	20n17	1n57	20n 7	2s35	19n46	1s 7	20n26	0n 8	20n26	0s27	14n46	2n 2	24n 4	0n21	22n54	0s44	1s52	12n16	11n17	10n47	25s 3		n.a.

Julian Day Number = 1637566.5, Delta T = 03h38m17s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'21, Lahiri = - 7°07'21 Julian Calendar 1 June 230 BCE == Greg. Calendar 28 May 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

JULY 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 18 16	3♋35'21	5♊58	14♊16	3♊30	0♊15	2♊29	26♌32	1♋40	25♊ 9	5°R18	29°R 1	27♈40	1♒41	n.a.	T 1
F 2	18 22 13	4°32'44	20°39	15° 9	4°42	0°55	2°41	26°37	1°44	25°11	5♏17	28♈54	27°37	1°48	n.a.	F 2
S 3	18 26 9	5°30'09	5♋40	16° 8	5°54	1°34	2°54	26°43	1°48	25°14	5°16	28°46	27°34	1°54	n.a.	S 3
S 4	18 30 6	6°27'35	20°51	17°12	7° 6	2°14	3° 6	26°48	1°51	25°16	5°16	28°36	27°31	2° 1	n.a.	S 4
M 5	18 34 2	7°25'02	6♌ 1	18°22	8°18	2°53	3°19	26°54	1°55	25°18	5°15	28°26	27°28	2° 8	n.a.	M 5
T 6	18 37 59	8°22'29	21° 0	19°37	9°30	3°33	3°31	27° 0	1°59	25°20	5°15	28°18	27°25	2°15	n.a.	T 6
W 7	18 41 56	9°19'58	5♍40	20°57	10°42	4°12	3°44	27° 5	2° 2	25°22	5°14	28°12	27°21	2°21	n.a.	W 7
T 8	18 45 52	10°17'27	19°56	22°22	11°54	4°51	3°56	27°11	2° 6	25°25	5°14	28° 9	27°18	2°28	n.a.	T 8
F 9	18 49 49	11°14'57	3♎47	23°53	13° 6	5°30	4° 8	27°17	2°10	25°27	5°14	28° 7	27°15	2°35	n.a.	F 9
S 10	18 53 45	12°12'28	17°14	25°27	14°18	6°10	4°20	27°23	2°13	25°29	5°13	28°D 7	27°12	2°41	n.a.	S 10
S 11	18 57 42	13°10'00	0♏18	27° 6	15°31	6°49	4°32	27°29	2°17	25°31	5°13	28°R 7	27° 9	2°48	n.a.	S 11
M12	19 1 38	14° 7'33	13° 4	28°49	16°43	7°28	4°44	27°34	2°21	25°33	5°13	28° 6	27° 6	2°55	n.a.	M12
T 13	19 5 35	15° 5'08	25°35	0♋35	17°55	8° 7	4°56	27°41	2°24	25°35	5°12	28° 4	27° 2	3° 2	n.a.	T 13
W14	19 9 31	16° 2'43	7♐54	2°24	19° 8	8°46	5° 8	27°47	2°28	25°38	5°12	27°58	26°59	3° 8	n.a.	W14
T 15	19 13 28	17° 0'19	20° 5	4°16	20°20	9°24	5°20	27°53	2°31	25°40	5°12	27°50	26°56	3°15	n.a.	T 15
F 16	19 17 25	17°57'57	2♑ 8	6°11	21°33	10° 3	5°31	27°59	2°35	25°42	5°12	27°39	26°53	3°22	n.a.	F 16
S 17	19 21 21	18°55'36	14° 7	8° 7	22°46	10°42	5°43	28° 5	2°39	25°44	5°11	27°27	26°50	3°28	n.a.	S 17
S 18	19 25 18	19°53'17	26° 2	10° 5	23°58	11°21	5°55	28°11	2°42	25°46	5°11	27°13	26°46	3°35	n.a.	S 18
M19	19 29 14	20°50'59	7♒55	12° 4	25°11	11°59	6° 6	28°18	2°46	25°48	5°11	26°59	26°43	3°42	n.a.	M19
T 20	19 33 11	21°48'43	19°47	14° 4	26°24	12°38	6°18	28°24	2°49	25°50	5°11	26°47	26°40	3°49	n.a.	T 20
W21	19 37 7	22°46'28	1♓40	16° 5	27°36	13°17	6°29	28°30	2°53	25°52	5°D11	26°36	26°37	3°55	n.a.	W21
T 22	19 41 4	23°44'14	13°36	18° 6	28°49	13°55	6°40	28°37	2°56	25°54	5°11	26°29	26°34	4° 2	n.a.	T 22
F 23	19 45 0	24°42'03	25°40	20° 7	0♈ 2	14°34	6°51	28°43	3° 0	25°56	5°11	26°24	26°31	4° 9	n.a.	F 23
S 24	19 48 57	25°39'53	7♈54	22° 7	1°15	15°12	7° 3	28°50	3° 3	25°58	5°11	26°22	26°27	4°16	n.a.	S 24
S 25	19 52 54	26°37'45	20°24	24° 8	2°28	15°50	7°14	28°56	3° 7	26° 0	5°11	26°21	26°24	4°22	n.a.	S 25
M26	19 56 50	27°35'39	3♉14	26° 7	3°41	16°29	7°24	29° 3	3°10	26° 2	5°12	26°21	26°21	4°29	n.a.	M26
T 27	20 0 47	28°33'36	16°28	28° 6	4°55	17° 7	7°35	29°10	3°14	26° 4	5°12	26°20	26°18	4°36	n.a.	T 27
W28	20 4 43	29°31'34	0♊10	0♌ 4	6° 8	17°45	7°46	29°16	3°17	26° 6	5°12	26°18	26°15	4°42	n.a.	W28
T 29	20 8 40	0♌29'34	14°21	2° 1	7°21	18°23	7°57	29°23	3°20	26° 8	5°12	26°13	26°12	4°49	n.a.	T 29
F 30	20 12 36	1°27'36	29° 0	3°56	8°34	19° 1	8° 7	29°30	3°24	26°10	5°12	26° 6	26° 8	4°56	n.a.	F 30
S 31	20 16 33	2♌25'40	14♋ 2	5♌51	9♋48	19♊39	8♊18	29♌37	3♋27	26♊12	5♏13	25♈56	26♈ 5	5♒ 3	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n41	24n33	3n 3	20n27	2s21	20n 3	1s 5	20n35	0n 9	20n28	0s27	14n44	2n 2	24n 4	0n21	22n54	0s44	1s52	12n16	11n15	10n46	25s 1			n.a.
F 2	23 39	27 21	3 58	20 48	2 6	20 19	1 2	20 44	0 10	20 31	0 27	14 42	2 2	24 4	0 21	22 54	0 44	1 53	12 15	11 13	10 45	25 0			n.a.
S 3	23 37	28 14	4 38	21 9	1 51	20 34	1 0	20 53	0 10	20 33	0 27	14 40	2 2	24 4	0 21	22 55	0 44	1 53	12 15	11 10	10 44	24 58			n.a.
S 4	23 34	27 1	4 59	21 30	1 37	20 49	0 57	21 2	0 11	20 36	0 26	14 38	2 2	24 4	0 21	22 55	0 44	1 53	12 15	11 6	10 43	24 56			n.a.
M 5	23 31	23 49	5 0	21 51	1 22	21 3	0 54	21 11	0 12	20 38	0 26	14 36	2 2	24 4	0 21	22 55	0 44	1 53	12 14	11 3	10 42	24 55			n.a.
T 6	23 27	19 4	4 39	22 12	1 7	21 17	0 52	21 19	0 12	20 41	0 26	14 34	2 2	24 4	0 21	22 55	0 44	1 54	12 14	11 0	10 40	24 53			n.a.
W 7	23 24	13 16	4 0	22 32	0 53	21 31	0 49	21 27	0 13	20 43	0 26	14 32	2 2	24 4	0 21	22 55	0 44	1 54	12 13	10 58	10 39	24 51			n.a.
T 8	23 19	6 54	3 8	22 52	0 39	21 43	0 46	21 35	0 14	20 45	0 26	14 30	2 2	24 4	0 21	22 55	0 44	1 54	12 13	10 56	10 38	24 50			n.a.
F 9	23 15	0 23	2 5	23 10	0 25	21 55	0 43	21 43	0 14	20 48	0 26	14 28	2 1	24 4	0 21	22 55	0 44	1 54	12 12	10 56	10 37	24 48			n.a.
S 10	23 9	5s58	0 57	23 27	0 12	22 7	0 41	21 51	0 15	20 50	0 26	14 25	2 1	24 4	0 21	22 55	0 44	1 55	12 12	10 56	10 36	24 46			n.a.
S 11	23 4	11 54	0s12	23 43	0n 1	22 18	0 38	21 58	0 16	20 52	0 26	14 23	2 1	24 4	0 21	22 55	0 44	1 55	12 11	10 56	10 35	24 45			n.a.
M12	22 58	17 11	1 18	23 57	0 14	22 28	0 35	22 5	0 17	20 55	0 26	14 21	2 1	24 3	0 21	22 55	0 44	1 55	12 11	10 56	10 34	24 43			n.a.
T 13	22 52	21 39	2 20	24 9	0 25	22 38	0 32	22 12	0 17	20 57	0 26	14 19	2 1	24 3	0 21	22 55	0 44	1 56	12 10	10 55	10 32	24 41			n.a.
W14	22 45	25 4	3 14	24 19	0 36	22 47	0 30	22 19	0 18	20 59	0 26	14 17	2 1	24 3	0 21	22 55	0 44	1 56	12 10	10 53	10 31	24 39			n.a.
T 15	22 38	27 18	3 58	24 26	0 47	22 55	0 27	22 26	0 19	21 1	0 26	14 14	2 1	24 3	0 21	22 56	0 44	1 57	12 9	10 50	10 30	24 38			n.a.
F 16	22 30	28 13	4 31	24 31	0 56	23 3	0 24	22 33	0 19	21 4	0 26	14 12	2 1	24 3	0 21	22 56	0 44	1 57	12 9	10 46	10 29	24 36			n.a.
S 17	22 22	27 48	4 52	24 33	1 5	23 10	0 21	22 39	0 20	21 6	0 26	14 10	2 1	24 3	0 21	22 56	0 44	1 57	12 8	10 41	10 28	24 34			n.a.
S 18	22 14	26 5	4 59	24 33	1 13	23 17	0 18	22 45	0 21	21 8	0 26	14 8	2 1	24 3	0 21	22 56	0 44	1 58	12 8	10 36	10 27	24 33			n.a.
M19	22 5	23 14	4 54	24 30	1 20	23 23	0 16	22 51	0 21	21 10	0 26	14 5	2 1	24 3	0 21	22 56	0 44	1 58	12 8	10 31	10 25	24 31			n.a.
T 20	21 56	19 25	4 36	24 24	1 26	23 28	0 13	22 57	0 22	21 12	0 26	14 3	2 1	24 3	0 21	22 56	0 44	1 59	12 7	10 27	10 24	24 29			n.a.
W21	21 47	14 50	4 6	24 15	1 31	23 32	0 10	23 3	0 23	21 14	0 25	14 1	2 0	24 3	0 21	22 56	0 44	1 59	12 7	10 23	10 23	24 27			n.a.
T 22	21 37	9 40	3 25	24 4	1 36	23 36	0 7	23 8	0 24	21 16	0 25	13 58	2 0	24 3	0 21	22 56	0 44	2 0	12 6	10 20	10 22	24 26			n.a.
F 23	21 26	4 6	2 34	23 50	1 40	23 39	0 5	23 13	0 24	21 18	0 25	13 56	2 0	24 3	0 21	22 56	0 44	2 0	12 6	10 18	10 21	24 24			n.a.
S 24	21 16	1n42	1 36	23 34	1 43	23 41	0 2	23 18	0 25	21 20	0 25	13 54	2 0	24 3	0 21	22 56	0 44	2 1	12 5	10 18	10 20	24 22			n.a.
S 25	21 5	7 35	0 31	23 16	1 45	23 43	0n 1	23 23	0 26	21 22	0 25	13 51	2 0	24 3	0 21	22 56	0 44	2 1	12 5	10 17	10 18	24 20			n.a.
M26	20 53	13 18	0n36	22 55	1 46	23 44	0 4	23 28	0 27	21 24	0 25	13 49	2 0	24 3	0 21	22 56	0 44	2 2	12 4	10 17	10 17	24 18			n.a.
T 27	20 42	18 37	1 44	22 32	1 47	23 44	0 6	23 33	0 27	21 25	0 25	13 47	2 0	24 3	0 21	22 56	0 44	2 2	12 4	10 17	10 16	24 17			n.a.
W28	20 30	23 10	2 48	22 7	1 47	23 44	0 9	23 37	0 28	21 27	0 25	13 44	2 0	24 2	0 21	22 56	0 44	2 3	12 3	10 16	10 15	24 15			n.a.
T 29	20 17	26 31	3 44	21 41	1 47	23 43	0 12	23 41	0 29	21 29	0 25	13 42	2 0	24 2	0 21	22 56	0 44	2 3	12 3	10 14	10 14	24 13			n.a.
F 30	20 4	28 11	4 28	21 13	1 46	23 41	0 14	23 45	0 29	21 31	0 25	13 39	2 0	24 2	0 21	22 56	0 44	2 4	12 2	10 12	10 13	24 11			n.a.
S 31	19n51	27n51	4n54	20n43	1n44	23n38	0n17	23n49	0n30	21n32	0s25	13n37	2n 0	24n 2	0n22	22n56	0s44	2s 4	12n 2	10n 8	10n11	24s 9			n.a.

Julian Day Number = 1637596.5, Delta T = 03h38m16s
Ecliptic obliquity = 23°43'30, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'17, Lahiri = - 7°07'17 Julian Calendar 1 July 230 BCE == Greg. Calendar 27 June 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

AUGUST 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 20 30	3♌23'46	29♋19	7♌45	11♋ 1	20♊17	8♊28	29♌43	3♋30	26♊14	5♏13	25°R46	26♈ 2	5♒ 9	n.a.	S 1
M 2	20 24 26	4°21'54	14♌38	9°37	12°15	20°55	8°39	29°50	3°34	26°15	5°13	25♈35	25°59	5°16	n.a.	M 2
T 3	20 28 23	5°20'03	29°50	11°28	13°28	21°33	8°49	29°57	3°37	26°17	5°14	25°25	25°56	5°23	n.a.	T 3
W 4	20 32 19	6°18'14	14♍43	13°18	14°42	22°10	8°59	0♍ 4	3°40	26°19	5°14	25°18	25°52	5°30	n.a.	W 4
T 5	20 36 16	7°16'26	29°11	15° 7	15°55	22°48	9° 9	0°11	3°43	26°21	5°15	25°14	25°49	5°36	n.a.	T 5
F 6	20 40 12	8°14'40	13♎10	16°55	17° 9	23°26	9°19	0°18	3°47	26°23	5°15	25°12	25°46	5°43	n.a.	F 6
S 7	20 44 9	9°12'56	26°42	18°41	18°23	24° 3	9°28	0°25	3°50	26°24	5°16	25°D11	25°43	5°50	n.a.	S 7
S 8	20 48 5	10°11'14	9♏47	20°26	19°37	24°41	9°38	0°32	3°53	26°26	5°16	25°R11	25°40	5°56	n.a.	S 8
M 9	20 52 2	11° 9'33	22°31	22°10	20°50	25°18	9°48	0°39	3°56	26°28	5°17	25°11	25°37	6° 3	n.a.	M 9
T 10	20 55 58	12° 7'53	4♐57	23°53	22° 4	25°56	9°57	0°46	3°59	26°29	5°18	25° 9	25°33	6°10	n.a.	T 10
W11	20 59 55	13° 6'16	17° 9	25°35	23°18	26°33	10° 6	0°53	4° 2	26°31	5°18	25° 4	25°30	6°17	n.a.	W11
T 12	21 3 52	14° 4'40	29°12	27°15	24°32	27°10	10°16	1° 0	4° 5	26°33	5°19	24°57	25°27	6°23	n.a.	T 12
F 13	21 7 48	15° 3'06	11♑10	28°55	25°46	27°48	10°25	1° 8	4° 8	26°34	5°20	24°47	25°24	6°30	n.a.	F 13
S 14	21 11 45	16° 1'33	23° 4	0♍33	27° 0	28°25	10°34	1°15	4°11	26°36	5°21	24°35	25°21	6°37	n.a.	S 14
S 15	21 15 41	17° 0'03	4♒56	2°10	28°14	29° 2	10°43	1°22	4°14	26°38	5°21	24°23	25°18	6°43	n.a.	S 15
M16	21 19 38	17°58'35	16°49	3°46	29°28	29°39	10°51	1°29	4°17	26°39	5°22	24°10	25°14	6°50	n.a.	M16
T 17	21 23 34	18°57'08	28°44	5°22	0♌42	0♋16	11° 0	1°36	4°20	26°41	5°23	23°59	25°11	6°57	n.a.	T 17
W18	21 27 31	19°55'44	10♓42	6°56	1°56	0°53	11° 8	1°44	4°23	26°42	5°24	23°49	25° 8	7° 4	n.a.	W18
T 19	21 31 27	20°54'21	22°45	8°29	3°11	1°29	11°17	1°51	4°26	26°44	5°25	23°42	25° 5	7°10	n.a.	T 19
F 20	21 35 24	21°53'01	4♈55	10° 1	4°25	2° 6	11°25	1°58	4°28	26°45	5°26	23°38	25° 2	7°17	n.a.	F 20
S 21	21 39 21	22°51'43	17°14	11°31	5°39	2°43	11°33	2° 5	4°31	26°47	5°27	23°36	24°58	7°24	n.a.	S 21
S 22	21 43 17	23°50'28	29°47	13° 1	6°54	3°20	11°41	2°13	4°34	26°48	5°28	23°D36	24°55	7°30	n.a.	S 22
M23	21 47 14	24°49'14	12♉37	14°30	8° 8	3°56	11°49	2°20	4°36	26°49	5°29	23°37	24°52	7°37	n.a.	M23
T 24	21 51 10	25°48'03	25°48	15°58	9°22	4°33	11°57	2°27	4°39	26°51	5°30	23°R38	24°49	7°44	n.a.	T 24
W25	21 55 7	26°46'55	9♊23	17°25	10°37	5° 9	12° 4	2°35	4°42	26°52	5°31	23°37	24°46	7°51	n.a.	W25
T 26	21 59 3	27°45'49	23°23	18°50	11°52	5°45	12°12	2°42	4°44	26°53	5°32	23°34	24°43	7°57	n.a.	T 26
F 27	22 3 0	28°44'46	7♋49	20°15	13° 6	6°22	12°19	2°49	4°47	26°55	5°34	23°29	24°39	8° 4	n.a.	F 27
S 28	22 6 56	29°43'45	22°38	21°38	14°21	6°58	12°26	2°57	4°49	26°56	5°35	23°23	24°36	8°11	n.a.	S 28
S 29	22 10 53	0♍42'46	7♌43	23° 1	15°35	7°34	12°33	3° 4	4°52	26°57	5°36	23°15	24°33	8°18	n.a.	S 29
M30	22 14 50	1°41'49	22°56	24°22	16°50	8°10	12°40	3°11	4°54	26°58	5°37	23° 7	24°30	8°24	n.a.	M30
T 31	22 18 46	2♍40'55	8♍ 5	25♍42	18♌ 5	8♋46	12♊47	3♍19	4♋56	26♊59	5♏39	22♈59	24♈27	8♒31	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	19n38	25n25	5n 0	20n12	1n42	23n35	0n19	23n53	0n31	21n34	0s25	13n34	2n 0	24n 2	0n22	22n57	0s44	2s 5	12n 1	10n 4	10n10	24s 8		n.a.	S 1
M 2	19 24	21 9	4 44	19 39	1 39	23 31	0 22	23 56	0 32	21 36	0 25	13 32	2 0	24 2	0 22	22 57	0 44	2 5	12 1	10 0	10 9	24 6		n.a.	M 2
T 3	19 10	15 32	4 8	19 5	1 36	23 26	0 25	23 59	0 32	21 38	0 25	13 29	2 0	24 2	0 22	22 57	0 44	2 6	12 0	9 57	10 8	24 4		n.a.	T 3
W 4	18 55	9 6	3 16	18 30	1 33	23 21	0 27	24 3	0 33	21 39	0 25	13 27	2 0	24 2	0 22	22 57	0 44	2 7	12 0	9 54	10 7	24 2		n.a.	W 4
T 5	18 40	2 21	2 13	17 55	1 29	23 15	0 29	24 5	0 34	21 41	0 25	13 24	2 0	24 2	0 22	22 57	0 44	2 7	11 59	9 53	10 6	24 0		n.a.	T 5
F 6	18 25	4s18	1 3	17 18	1 25	23 8	0 32	24 8	0 35	21 42	0 25	13 22	2 0	24 2	0 22	22 57	0 44	2 8	11 59	9 52	10 4	23 58		n.a.	F 6
S 7	18 10	10 32	0s 8	16 40	1 20	23 1	0 34	24 11	0 35	21 44	0 25	13 19	2 0	24 2	0 22	22 57	0 44	2 8	11 58	9 52	10 3	23 56		n.a.	S 7
S 8	17 54	16 8	1 17	16 2	1 15	22 53	0 37	24 13	0 36	21 45	0 25	13 17	2 0	24 2	0 22	22 57	0 44	2 9	11 58	9 52	10 2	23 55		n.a.	S 8
M 9	17 38	20 52	2 19	15 23	1 10	22 44	0 39	24 15	0 37	21 47	0 24	13 14	2 0	24 2	0 22	22 57	0 44	2 10	11 57	9 51	10 1	23 53		n.a.	M 9
T 10	17 22	24 33	3 14	14 44	1 4	22 34	0 41	24 17	0 38	21 48	0 24	13 12	2 0	24 2	0 22	22 57	0 44	2 10	11 57	9 51	10 0	23 51		n.a.	T 10
W11	17 5	27 3	3 59	14 4	0 59	22 24	0 43	24 19	0 38	21 50	0 24	13 9	2 0	24 1	0 22	22 57	0 44	2 11	11 56	9 49	9 59	23 49		n.a.	W11
T 12	16 48	28 15	4 32	13 23	0 53	22 13	0 46	24 21	0 39	21 51	0 24	13 6	2 0	24 1	0 22	22 57	0 44	2 12	11 56	9 46	9 57	23 47		n.a.	T 12
F 13	16 31	28 7	4 53	12 43	0 46	22 2	0 48	24 22	0 40	21 53	0 24	13 4	2 0	24 1	0 22	22 57	0 44	2 12	11 55	9 43	9 56	23 45		n.a.	F 13
S 14	16 13	26 40	5 1	12 2	0 40	21 49	0 50	24 24	0 41	21 54	0 24	13 1	2 0	24 1	0 22	22 57	0 44	2 13	11 55	9 38	9 55	23 43		n.a.	S 14
S 15	15 56	24 3	4 56	11 20	0 33	21 36	0 52	24 25	0 41	21 55	0 24	12 59	2 0	24 1	0 22	22 57	0 44	2 14	11 54	9 34	9 54	23 41		n.a.	S 15
M16	15 38	20 24	4 39	10 39	0 26	21 23	0 54	24 26	0 42	21 56	0 24	12 56	2 0	24 1	0 22	22 57	0 44	2 15	11 54	9 29	9 53	23 39		n.a.	M16
T 17	15 19	15 56	4 9	9 57	0 19	21 9	0 56	24 26	0 43	21 58	0 24	12 53	2 0	24 1	0 22	22 57	0 44	2 15	11 53	9 25	9 52	23 37		n.a.	T 17
W18	15 1	10 50	3 27	9 16	0 12	20 54	0 58	24 27	0 44	21 59	0 24	12 51	2 0	24 1	0 22	22 57	0 44	2 16	11 53	9 21	9 50	23 35		n.a.	W18
T 19	14 42	5 18	2 37	8 34	0 5	20 39	1 0	24 28	0 45	22 0	0 24	12 48	2 0	24 1	0 22	22 57	0 44	2 17	11 53	9 19	9 49	23 33		n.a.	T 19
F 20	14 23	0n29	1 38	7 52	0s 2	20 23	1 1	24 28	0 45	22 1	0 24	12 46	2 0	24 1	0 22	22 57	0 44	2 18	11 52	9 17	9 48	23 31		n.a.	F 20
S 21	14 4	6 20	0 34	7 11	0 10	20 6	1 3	24 28	0 46	22 3	0 24	12 43	2 0	24 1	0 22	22 57	0 44	2 18	11 52	9 16	9 47	23 30		n.a.	S 21
S 22	13 44	12 3	0n33	6 29	0 17	19 49	1 5	24 28	0 47	22 4	0 24	12 40	2 0	24 1	0 22	22 57	0 44	2 19	11 51	9 16	9 46	23 28		n.a.	S 22
M23	13 24	17 24	1 40	5 48	0 25	19 31	1 6	24 28	0 48	22 5	0 24	12 38	2 0	24 1	0 22	22 57	0 44	2 20	11 51	9 17	9 44	23 26		n.a.	M23
T 24	13 4	22 5	2 43	5 6	0 32	19 13	1 8	24 27	0 48	22 6	0 24	12 35	2 0	24 1	0 22	22 57	0 44	2 21	11 50	9 17	9 43	23 24		n.a.	T 24
W25	12 44	25 44	3 40	4 25	0 40	18 54	1 9	24 27	0 49	22 7	0 24	12 32	2 0	24 0	0 22	22 57	0 44	2 21	11 50	9 16	9 42	23 22		n.a.	W25
T 26	12 24	27 58	4 25	3 44	0 48	18 34	1 11	24 26	0 50	22 8	0 24	12 30	2 0	24 0	0 22	22 57	0 44	2 22	11 49	9 15	9 41	23 20		n.a.	T 26
F 27	12 3	28 24	4 55	3 4	0 55	18 14	1 12	24 25	0 51	22 9	0 24	12 27	2 0	24 0	0 22	22 57	0 44	2 23	11 49	9 14	9 40	23 18		n.a.	F 27
S 28	11 42	26 49	5 6	2 23	1 3	17 54	1 14	24 24	0 52	22 10	0 24	12 24	2 0	24 0	0 22	22 57	0 44	2 24	11 48	9 11	9 39	23 16		n.a.	S 28
S 29	11 21	23 19	4 56	1 43	1 11	17 33	1 15	24 23	0 52	22 11	0 23	12 22	2 0	24 0	0 22	22 57	0 44	2 25	11 48	9 8	9 37	23 14		n.a.	S 29
M30	11 0	18 13	4 26	1 4	1 19	17 11	1 16	24 21	0 53	22 12	0 23	12 19	2 0	24 0	0 22	22 57	0 44	2 25	11 48	9 5	9 36	23 12		n.a.	M30
T 31	10n38	11n59	3n37	0n25	1s26	16n49	1n17	24n20	0n54	22n13	0s23	12n16	2n 0	24n 0	0n22	22n58	0s44	2s26	11n47	9n 3	9n35	23s10		n.a.	T 31

Julian Day Number = 1637627.5, Delta T = 03h38m15s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'13, Lahiri = - 7°07'12 Julian Calendar 1 Aug. 230 BCE == Greg. Calendar 28 July 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

SEPTEMBER 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 22 43	3♍40'02	23♍ 0	27♍ 0	19♌19	9♋22	12♊53	3♍26	4♋59	27♊ 0	5♏40	22°R54	24♈24	8♒38	n.a.	W 1
T 2	22 26 39	4°39'12	7♎33	28°18	20°34	9°58	13° 0	3°33	5° 1	27° 2	5°41	22♈51	24°20	8°44	n.a.	T 2
F 3	22 30 36	5°38'23	21°40	29°34	21°49	10°34	13° 6	3°41	5° 3	27° 3	5°43	22°D50	24°17	8°51	n.a.	F 3
S 4	22 34 32	6°37'37	5♏19	0♎48	23° 4	11°10	13°12	3°48	5° 5	27° 4	5°44	22°51	24°14	8°58	n.a.	S 4
S 5	22 38 29	7°36'52	18°31	2° 1	24°19	11°45	13°18	3°55	5° 8	27° 5	5°46	22°52	24°11	9° 5	n.a.	S 5
M 6	22 42 25	8°36'09	1♐19	3°12	25°34	12°21	13°24	4° 3	5°10	27° 6	5°47	22°53	24° 8	9°11	n.a.	M 6
T 7	22 46 22	9°35'29	13°46	4°21	26°48	12°56	13°29	4°10	5°12	27° 7	5°49	22°R53	24° 4	9°18	n.a.	T 7
W 8	22 50 18	10°34'50	25°58	5°29	28° 3	13°32	13°35	4°17	5°14	27° 7	5°50	22°52	24° 1	9°25	n.a.	W 8
T 9	22 54 15	11°34'13	8♑ 0	6°34	29°18	14° 7	13°40	4°25	5°16	27° 8	5°52	22°48	23°58	9°31	n.a.	T 9
F 10	22 58 12	12°33'38	19°54	7°37	0♍33	14°42	13°45	4°32	5°18	27° 9	5°53	22°43	23°55	9°38	n.a.	F 10
S 11	23 2 8	13°33'05	1♒47	8°38	1°48	15°17	13°50	4°39	5°20	27°10	5°55	22°37	23°52	9°45	n.a.	S 11
S 12	23 6 5	14°32'33	13°39	9°36	3° 3	15°53	13°55	4°46	5°21	27°11	5°56	22°30	23°49	9°52	n.a.	S 12
M13	23 10 1	15°32'04	25°34	10°31	4°19	16°28	13°59	4°54	5°23	27°11	5°58	22°23	23°45	9°58	n.a.	M13
T 14	23 13 58	16°31'37	7♓34	11°22	5°34	17° 2	14° 4	5° 1	5°25	27°12	6° 0	22°16	23°42	10° 5	n.a.	T 14
W15	23 17 54	17°31'11	19°41	12°11	6°49	17°37	14° 8	5° 8	5°27	27°13	6° 1	22°11	23°39	10°12	n.a.	W15
T 16	23 21 51	18°30'48	1♈55	12°55	8° 4	18°12	14°12	5°15	5°28	27°14	6° 3	22° 8	23°36	10°18	n.a.	T 16
F 17	23 25 47	19°30'27	14°19	13°35	9°19	18°47	14°16	5°23	5°30	27°14	6° 5	22° 6	23°33	10°25	n.a.	F 17
S 18	23 29 44	20°30'08	26°53	14°10	10°34	19°21	14°20	5°30	5°31	27°15	6° 7	22°D 6	23°29	10°32	n.a.	S 18
S 19	23 33 41	21°29'52	9♉38	14°40	11°49	19°56	14°23	5°37	5°33	27°15	6° 9	22° 7	23°26	10°39	n.a.	S 19
M20	23 37 37	22°29'38	22°38	15° 5	13° 5	20°30	14°27	5°44	5°34	27°16	6°10	22° 8	23°23	10°45	n.a.	M20
T 21	23 41 34	23°29'26	5♊54	15°23	14°20	21° 5	14°30	5°51	5°36	27°16	6°12	22°10	23°20	10°52	n.a.	T 21
W22	23 45 30	24°29'17	19°28	15°35	15°35	21°39	14°33	5°58	5°37	27°17	6°14	22°R11	23°17	10°59	n.a.	W22
T 23	23 49 27	25°29'10	3♋21	15°R39	16°50	22°13	14°35	6° 5	5°38	27°17	6°16	22°11	23°14	11° 6	n.a.	T 23
F 24	23 53 23	26°29'05	17°33	15°35	18° 6	22°47	14°38	6°12	5°40	27°18	6°18	22° 9	23°10	11°12	n.a.	F 24
S 25	23 57 20	27°29'03	2♌ 2	15°23	19°21	23°21	14°41	6°19	5°41	27°18	6°20	22° 7	23° 7	11°19	n.a.	S 25
S 26	0 1 16	28°29'03	16°45	15° 2	20°36	23°55	14°43	6°26	5°42	27°18	6°22	22° 4	23° 4	11°26	n.a.	S 26
M27	0 5 13	29°29'05	1♍34	14°32	21°52	24°29	14°45	6°33	5°43	27°18	6°24	22° 0	23° 1	11°32	n.a.	M27
T 28	0 9 10	0♎29'10	16°24	13°53	23° 7	25° 2	14°47	6°40	5°44	27°19	6°26	21°57	22°58	11°39	n.a.	T 28
W29	0 13 6	1°29'16	1♎ 5	13° 5	24°23	25°36	14°48	6°47	5°45	27°19	6°28	21°55	22°55	11°46	n.a.	W29
T 30	0 17 3	2♎29'24	15♎31	12♎ 8	25♍38	26♋ 9	14♊50	6♍54	5♋46	27♊19	6♏30	21°D54	22♈51	11♒53	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n17	5n 9	2n34	0s14	1s34	16n26	1n18	24n18	0n55	22n14	0s23	12n14	2n 0	24n 0	0n22	22n58	0s44	2s27	11n47	9n 1	9n34	23s 7		n.a.
T 2	9 55	1s47	1 21	0 52	1 41	16 3	1 19	24 16	0 56	22 15	0 23	12 11	2 0	24 0	0 22	22 58	0 44	2 28	11 46	8 59	9 33	23 5		n.a.
F 3	9 33	8 27	0 6	1 29	1 49	15 40	1 20	24 14	0 56	22 15	0 23	12 8	2 0	24 0	0 22	22 58	0 44	2 29	11 46	8 59	9 32	23 3		n.a.
S 4	9 11	14 30	1s 7	2 6	1 56	15 16	1 21	24 12	0 57	22 16	0 23	12 6	2 0	24 0	0 22	22 58	0 44	2 30	11 45	8 59	9 30	23 1		n.a.
S 5	8 49	19 41	2 14	2 41	2 3	14 52	1 22	24 10	0 58	22 17	0 23	12 3	2 0	24 0	0 22	22 58	0 44	2 31	11 45	9 0	9 29	22 59		n.a.
M 6	8 26	23 49	3 13	3 17	2 10	14 27	1 23	24 7	0 59	22 18	0 23	12 0	2 0	24 0	0 22	22 58	0 44	2 31	11 45	9 0	9 28	22 57		n.a.
T 7	8 4	26 42	4 0	3 51	2 17	14 2	1 23	24 5	1 0	22 19	0 23	11 58	2 0	24 0	0 22	22 58	0 44	2 32	11 44	9 0	9 27	22 55		n.a.
W 8	7 41	28 16	4 36	4 24	2 24	13 36	1 24	24 2	1 1	22 19	0 23	11 55	2 0	24 0	0 22	22 58	0 44	2 33	11 44	9 0	9 26	22 53		n.a.
T 9	7 18	28 27	4 59	4 56	2 30	13 10	1 25	23 59	1 1	22 20	0 23	11 52	2 0	24 0	0 22	22 58	0 44	2 34	11 43	8 58	9 24	22 51		n.a.
F 10	6 56	27 19	5 9	5 27	2 36	12 44	1 25	23 56	1 2	22 21	0 23	11 50	2 1	24 0	0 22	22 58	0 44	2 35	11 43	8 56	9 23	22 49		n.a.
S 11	6 33	24 57	5 5	5 57	2 42	12 17	1 26	23 53	1 3	22 21	0 23	11 47	2 1	23 59	0 22	22 58	0 44	2 36	11 43	8 54	9 22	22 47		n.a.
S 12	6 9	21 32	4 49	6 25	2 48	11 50	1 26	23 50	1 4	22 22	0 23	11 45	2 1	23 59	0 22	22 58	0 44	2 37	11 42	8 51	9 21	22 45		n.a.
M13	5 46	17 13	4 20	6 51	2 53	11 23	1 26	23 46	1 5	22 23	0 23	11 42	2 1	23 59	0 23	22 58	0 44	2 38	11 42	8 49	9 20	22 43		n.a.
T 14	5 23	12 12	3 39	7 16	2 58	10 55	1 26	23 43	1 6	22 23	0 23	11 39	2 1	23 59	0 23	22 58	0 44	2 38	11 41	8 46	9 19	22 40		n.a.
W15	4 59	6 41	2 47	7 39	3 2	10 27	1 27	23 39	1 7	22 24	0 23	11 37	2 1	23 59	0 23	22 58	0 44	2 39	11 41	8 44	9 17	22 38		n.a.
T 16	4 36	0 52	1 48	8 0	3 6	9 59	1 27	23 35	1 7	22 24	0 23	11 34	2 1	23 59	0 23	22 58	0 44	2 40	11 41	8 43	9 16	22 36		n.a.
F 17	4 12	5n 3	0 42	8 19	3 9	9 30	1 27	23 31	1 8	22 25	0 23	11 31	2 1	23 59	0 23	22 58	0 44	2 41	11 40	8 42	9 15	22 34		n.a.
S 18	3 48	10 53	0n26	8 35	3 12	9 2	1 27	23 27	1 9	22 25	0 22	11 29	2 1	23 59	0 23	22 58	0 44	2 42	11 40	8 42	9 14	22 32		n.a.
S 19	3 25	16 22	1 35	8 49	3 13	8 33	1 27	23 23	1 10	22 26	0 22	11 26	2 1	23 59	0 23	22 58	0 44	2 43	11 40	8 43	9 13	22 30		n.a.
M20	3 1	21 13	2 40	8 59	3 14	8 3	1 26	23 18	1 11	22 26	0 22	11 24	2 1	23 59	0 23	22 58	0 44	2 44	11 39	8 43	9 11	22 28		n.a.
T 21	2 37	25 7	3 37	9 6	3 14	7 34	1 26	23 14	1 12	22 27	0 22	11 21	2 1	23 59	0 23	22 58	0 44	2 45	11 39	8 44	9 10	22 25		n.a.
W22	2 13	27 42	4 24	9 10	3 13	7 4	1 26	23 9	1 13	22 27	0 22	11 19	2 2	23 59	0 23	22 58	0 44	2 46	11 39	8 44	9 9	22 23		n.a.
T 23	1 49	28 38	4 57	9 9	3 11	6 34	1 26	23 5	1 14	22 27	0 22	11 16	2 2	23 59	0 23	22 58	0 44	2 47	11 38	8 44	9 8	22 21		n.a.
F 24	1 25	27 43	5 13	9 5	3 7	6 4	1 25	23 0	1 15	22 28	0 22	11 13	2 2	23 59	0 23	22 58	0 44	2 48	11 38	8 44	9 7	22 19		n.a.
S 25	1 1	24 57	5 9	8 55	3 2	5 33	1 25	22 55	1 15	22 28	0 22	11 11	2 2	23 59	0 23	22 58	0 44	2 48	11 38	8 43	9 5	22 17		n.a.
S 26	0 37	20 32	4 45	8 41	2 55	5 3	1 24	22 50	1 16	22 28	0 22	11 8	2 2	23 59	0 23	22 58	0 44	2 49	11 37	8 42	9 4	22 15		n.a.
M27	0 12	14 48	4 2	8 21	2 47	4 32	1 23	22 45	1 17	22 29	0 22	11 6	2 2	23 59	0 23	22 58	0 44	2 50	11 37	8 40	9 3	22 12		n.a.
T 28	0s12	8 14	3 3	7 56	2 37	4 2	1 23	22 40	1 18	22 29	0 22	11 3	2 2	23 59	0 23	22 58	0 44	2 51	11 37	8 39	9 2	22 10		n.a.
W29	0 36	1 17	1 52	7 26	2 24	3 31	1 22	22 34	1 19	22 29	0 22	11 1	2 2	23 59	0 23	22 58	0 44	2 52	11 36	8 38	9 1	22 8		n.a.
T 30	1s 0	5s38	0n35	6s51	2s11	3n 0	1n21	22n29	1n20	22n29	0s22	10n58	2n 3	23n59	0n23	22n58	0s44	2s53	11n36	8n38	8n59	22s 6		n.a.

Julian Day Number = 1637658.5, Delta T = 03h38m14s
Ecliptic obliquity = 23°43'32, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'09, Lahiri = - 7°07'08 Julian Calendar 1 Sept. 230 BCE == Greg. Calendar 28 Aug. 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

OCTOBER 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 20 59	3♎29'34	29♎36	11°R 3	26♍53	26♋43	14♊51	7♍ 1	5♋47	27♊19	6♏32	21♈54	22♈48	11♒59	n.a.	F 1
S 2	0 24 56	4°29'46	13♏17	9♎52	28° 9	27°16	14°52	7° 8	5°48	27°19	6°34	21°55	22°45	12° 6	n.a.	S 2
S 3	0 28 52	5°30'00	26°33	8°37	29°24	27°49	14°53	7°15	5°48	27°19	6°36	21°57	22°42	12°13	n.a.	S 3
M 4	0 32 49	6°30'15	9♐26	7°19	0♎40	28°22	14°53	7°21	5°49	27°19	6°38	21°58	22°39	12°19	n.a.	M 4
T 5	0 36 45	7°30'32	21°58	6° 1	1°55	28°55	14°54	7°28	5°50	27°R19	6°40	21°59	22°35	12°26	n.a.	T 5
W 6	0 40 42	8°30'51	4♑13	4°45	3°11	29°27	14°54	7°35	5°50	27°19	6°42	22°R 0	22°32	12°33	n.a.	W 6
T 7	0 44 38	9°31'11	16°16	3°34	4°26	0♌ 0	14°R54	7°41	5°51	27°19	6°44	22° 0	22°29	12°40	n.a.	T 7
F 8	0 48 35	10°31'33	28°11	2°30	5°42	0°33	14°54	7°48	5°51	27°19	6°47	21°59	22°26	12°46	n.a.	F 8
S 9	0 52 32	11°31'57	10♒ 3	1°35	6°57	1° 5	14°54	7°55	5°52	27°19	6°49	21°58	22°23	12°53	n.a.	S 9
S 10	0 56 28	12°32'21	21°56	0°50	8°13	1°37	14°53	8° 1	5°52	27°19	6°51	21°56	22°20	13° 0	n.a.	S 10
M11	1 0 25	13°32'48	3♓54	0°16	9°28	2°10	14°52	8° 7	5°52	27°19	6°53	21°55	22°16	13° 6	n.a.	M11
T 12	1 4 21	14°33'16	16° 0	29♍54	10°44	2°42	14°51	8°14	5°53	27°19	6°55	21°54	22°13	13°13	n.a.	T 12
W13	1 8 18	15°33'45	28°16	29°D43	11°59	3°13	14°50	8°20	5°53	27°18	6°58	21°53	22°10	13°20	n.a.	W13
T 14	1 12 14	16°34'16	10♈44	29°44	13°15	3°45	14°49	8°27	5°53	27°18	7° 0	21°53	22° 7	13°27	n.a.	T 14
F 15	1 16 11	17°34'49	23°26	29°56	14°30	4°17	14°47	8°33	5°53	27°18	7° 2	21°D53	22° 4	13°33	n.a.	F 15
S 16	1 20 7	18°35'23	6♉20	0♎18	15°46	4°48	14°46	8°39	5°R53	27°17	7° 4	21°53	22° 1	13°40	n.a.	S 16
S 17	1 24 4	19°35'59	19°29	0°49	17° 1	5°20	14°44	8°45	5°53	27°17	7° 7	21°53	21°57	13°47	n.a.	S 17
M18	1 28 1	20°36'37	2♊50	1°28	18°17	5°51	14°42	8°51	5°53	27°16	7° 9	21°53	21°54	13°53	n.a.	M18
T 19	1 31 57	21°37'17	16°24	2°15	19°32	6°22	14°39	8°57	5°53	27°16	7°11	21°R53	21°51	14° 0	n.a.	T 19
W20	1 35 54	22°37'58	0♋ 9	3° 9	20°48	6°53	14°37	9° 3	5°53	27°15	7°13	21°53	21°48	14° 7	n.a.	W20
T 21	1 39 50	23°38'41	14° 6	4° 8	22° 3	7°24	14°34	9° 9	5°52	27°15	7°16	21°53	21°45	14°14	n.a.	T 21
F 22	1 43 47	24°39'27	28°12	5°13	23°19	7°55	14°31	9°15	5°52	27°14	7°18	21°D53	21°41	14°20	n.a.	F 22
S 23	1 47 43	25°40'13	12♌25	6°22	24°35	8°25	14°28	9°21	5°52	27°14	7°20	21°53	21°38	14°27	n.a.	S 23
S 24	1 51 40	26°41'02	26°45	7°34	25°50	8°56	14°25	9°27	5°51	27°13	7°23	21°54	21°35	14°34	n.a.	S 24
M25	1 55 36	27°41'52	11♍ 6	8°50	27° 6	9°26	14°21	9°32	5°51	27°13	7°25	21°54	21°32	14°40	n.a.	M25
T 26	1 59 33	28°42'43	25°26	10° 8	28°21	9°56	14°17	9°38	5°50	27°12	7°27	21°55	21°29	14°47	n.a.	T 26
W27	2 3 30	29°43'36	9♎41	11°29	29°37	10°26	14°14	9°44	5°50	27°11	7°30	21°55	21°26	14°54	n.a.	W27
T 28	2 7 26	0♏44'31	23°45	12°52	0♏52	10°55	14°10	9°49	5°49	27°10	7°32	21°R55	21°22	15° 1	n.a.	T 28
F 29	2 11 23	1°45'27	7♏34	14°16	2° 8	11°25	14° 5	9°55	5°49	27°10	7°34	21°55	21°19	15° 7	n.a.	F 29
S 30	2 15 19	2°46'24	21° 6	15°42	3°24	11°54	14° 1	10° 0	5°48	27° 9	7°37	21°54	21°16	15°14	n.a.	S 30
S 31	2 19 16	3♏47'22	4♐19	17♎ 9	4♏39	12♌23	13♊56	10♍ 5	5♋47	27♊ 8	7♏39	21♈53	21♈13	15♒21	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s24	12s 7	0s42	6s11	1s55	2n29	1n20	22n23	1n21	22n30	0s22	10n56	2n 3	23n59	0n23	22n58	0s44	2s54	11n36	8n38	8n58	22s 4		n.a.
S 2	1 48	17 50	1 55	5 27	1 37	1 57	1 19	22 18	1 22	22 30	0 22	10 53	2 3	23 59	0 23	22 58	0 44	2 55	11 35	8 38	8 57	22 1		n.a.
S 3	2 13	22 32	3 0	4 39	1 19	1 26	1 18	22 12	1 23	22 30	0 22	10 51	2 3	23 59	0 23	22 58	0 44	2 56	11 35	8 39	8 56	21 59		n.a.
M 4	2 37	25 58	3 53	3 50	0 59	0 55	1 17	22 6	1 24	22 30	0 21	10 49	2 3	23 59	0 23	22 58	0 44	2 57	11 35	8 39	8 55	21 57		n.a.
T 5	3 1	28 2	4 34	3 0	0 38	0 23	1 16	22 0	1 25	22 30	0 21	10 46	2 3	23 59	0 23	22 57	0 44	2 58	11 35	8 40	8 53	21 55		n.a.
W 6	3 25	28 41	5 1	2 11	0 18	0s 8	1 15	21 54	1 26	22 30	0 21	10 44	2 3	23 59	0 23	22 57	0 44	2 59	11 34	8 40	8 52	21 52		n.a.
T 7	3 49	27 55	5 15	1 23	0n 3	0 39	1 14	21 48	1 27	22 30	0 21	10 41	2 3	23 59	0 23	22 57	0 44	3 0	11 34	8 40	8 51	21 50		n.a.
F 8	4 13	25 54	5 14	0 39	0 23	1 11	1 13	21 42	1 28	22 30	0 21	10 39	2 4	23 59	0 23	22 57	0 44	3 0	11 34	8 40	8 50	21 48		n.a.
S 9	4 37	22 45	5 1	0 0	0 41	1 42	1 11	21 36	1 29	22 30	0 21	10 37	2 4	23 59	0 23	22 57	0 44	3 1	11 34	8 39	8 49	21 46		n.a.
S 10	5 1	18 40	4 34	0n34	0 59	2 14	1 10	21 30	1 30	22 30	0 21	10 34	2 4	23 59	0 23	22 57	0 44	3 2	11 33	8 39	8 48	21 43		n.a.
M11	5 24	13 50	3 55	1 2	1 15	2 45	1 8	21 23	1 31	22 30	0 21	10 32	2 4	23 59	0 23	22 57	0 44	3 3	11 33	8 38	8 46	21 41		n.a.
T 12	5 48	8 26	3 6	1 24	1 29	3 16	1 7	21 17	1 32	22 30	0 21	10 30	2 4	23 59	0 23	22 57	0 44	3 4	11 33	8 38	8 45	21 39		n.a.
W13	6 12	2 38	2 7	1 39	1 41	3 47	1 5	21 10	1 33	22 30	0 21	10 28	2 4	23 59	0 23	22 57	0 45	3 5	11 33	8 38	8 44	21 36		n.a.
T 14	6 35	3n22	1 1	1 48	1 51	4 19	1 4	21 4	1 34	22 30	0 21	10 25	2 5	23 59	0 23	22 57	0 45	3 6	11 32	8 37	8 43	21 34		n.a.
F 15	6 59	9 20	0n 9	1 51	2 0	4 50	1 2	20 57	1 35	22 30	0 21	10 23	2 5	23 59	0 23	22 57	0 45	3 7	11 32	8 37	8 42	21 32		n.a.
S 16	7 22	15 2	1 19	1 49	2 7	5 21	1 1	20 50	1 36	22 30	0 21	10 21	2 5	23 59	0 24	22 57	0 45	3 8	11 32	8 37	8 40	21 30		n.a.
S 17	7 45	20 10	2 27	1 41	2 12	5 52	0 59	20 44	1 37	22 30	0 21	10 19	2 5	23 59	0 24	22 57	0 45	3 9	11 32	8 38	8 39	21 27		n.a.
M18	8 9	24 22	3 28	1 29	2 16	6 22	0 57	20 37	1 38	22 30	0 20	10 17	2 5	23 59	0 24	22 57	0 45	3 10	11 32	8 38	8 38	21 25		n.a.
T 19	8 32	27 18	4 18	1 13	2 19	6 53	0 55	20 30	1 39	22 30	0 20	10 14	2 5	23 59	0 24	22 57	0 45	3 10	11 31	8 38	8 37	21 23		n.a.
W20	8 54	28 38	4 55	0 52	2 20	7 23	0 53	20 23	1 40	22 29	0 20	10 12	2 6	23 59	0 24	22 57	0 45	3 11	11 31	8 38	8 36	21 20		n.a.
T 21	9 17	28 10	5 14	0 29	2 20	7 54	0 51	20 16	1 41	22 29	0 20	10 10	2 6	23 59	0 24	22 57	0 45	3 12	11 31	8 38	8 34	21 18		n.a.
F 22	9 40	25 55	5 15	0 2	2 20	8 24	0 50	20 9	1 42	22 29	0 20	10 8	2 6	23 59	0 24	22 57	0 45	3 13	11 31	8 38	8 33	21 16		n.a.
S 23	10 2	22 1	4 57	0s27	2 18	8 54	0 48	20 2	1 43	22 29	0 20	10 6	2 6	23 59	0 24	22 57	0 45	3 14	11 31	8 38	8 32	21 13		n.a.
S 24	10 25	16 49	4 20	0 58	2 16	9 23	0 46	19 55	1 44	22 28	0 20	10 4	2 6	23 59	0 24	22 57	0 45	3 15	11 31	8 38	8 31	21 11		n.a.
M25	10 47	10 41	3 27	1 31	2 13	9 53	0 44	19 48	1 45	22 28	0 20	10 2	2 7	23 59	0 24	22 57	0 45	3 16	11 30	8 38	8 30	21 9		n.a.
T 26	11 9	4 0	2 22	2 5	2 9	10 22	0 42	19 41	1 47	22 28	0 20	10 0	2 7	23 59	0 24	22 57	0 45	3 17	11 30	8 38	8 28	21 6		n.a.
W27	11 31	2s51	1 7	2 41	2 5	10 51	0 39	19 34	1 48	22 27	0 20	9 58	2 7	24 0	0 24	22 57	0 45	3 17	11 30	8 38	8 27	21 4		n.a.
T 28	11 52	9 29	0s10	3 18	2 0	11 20	0 37	19 27	1 49	22 27	0 20	9 56	2 7	24 0	0 24	22 57	0 45	3 18	11 30	8 38	8 26	21 1		n.a.
F 29	12 14	15 33	1 26	3 55	1 55	11 48	0 35	19 19	1 50	22 27	0 19	9 54	2 7	24 0	0 24	22 57	0 45	3 19	11 30	8 38	8 25	20 59		n.a.
S 30	12 35	20 44	2 35	4 34	1 50	12 17	0 33	19 12	1 51	22 26	0 19	9 52	2 8	24 0	0 24	22 57	0 45	3 20	11 30	8 38	8 24	20 57		n.a.
S 31	12s56	24s45	3s34	5s13	1n45	12s45	0n31	19n 5	1n52	22n26	0s19	9n51	2n 8	24n 0	0n24	22n57	0s45	3s21	11n30	8n37	8n22	20s54		n.a.

Julian Day Number = 1637688.5, Delta T = 03h38m13s
Ecliptic obliquity = 23°43'32, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'04, Lahiri = - 7°07'04 Julian Calendar 1 Oct. 230 BCE == Greg. Calendar 27 Sept. 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

NOVEMBER 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 23 12	4♏48'21	17♐12	18♎37	5♏55	12♌52	13°R52	10♍11	5°R46	27°R 7	7♏41	21°R51	21♈10	15♒27	n.a.	M 1
T 2	2 27 9	5°49'22	29°46	20° 6	7°10	13°21	13♊47	10°16	5♋45	27♊ 6	7°44	21♈49	21° 6	15°34	n.a.	T 2
W 3	2 31 5	6°50'23	12♑ 4	21°36	8°26	13°50	13°41	10°21	5°44	27° 5	7°46	21°47	21° 3	15°41	n.a.	W 3
T 4	2 35 2	7°51'25	24° 9	23° 6	9°41	14°18	13°36	10°26	5°43	27° 4	7°48	21°46	21° 0	15°47	n.a.	T 4
F 5	2 38 59	8°52'27	6♒ 5	24°36	10°57	14°46	13°31	10°31	5°42	27° 3	7°51	21°D45	20°57	15°54	n.a.	F 5
S 6	2 42 55	9°53'31	17°56	26° 8	12°12	15°14	13°25	10°36	5°41	27° 2	7°53	21°45	20°54	16° 1	n.a.	S 6
S 7	2 46 52	10°54'35	29°49	27°39	13°28	15°42	13°19	10°41	5°40	27° 1	7°55	21°46	20°51	16° 8	n.a.	S 7
M 8	2 50 48	11°55'39	11♓47	29°11	14°44	16°10	13°14	10°45	5°39	27° 0	7°58	21°48	20°47	16°14	n.a.	M 8
T 9	2 54 45	12°56'44	23°55	0♏42	15°59	16°37	13° 7	10°50	5°38	26°59	8° 0	21°49	20°44	16°21	n.a.	T 9
W10	2 58 41	13°57'50	6♈18	2°15	17°15	17° 4	13° 1	10°55	5°36	26°58	8° 3	21°51	20°41	16°28	n.a.	W10
T 11	3 2 38	14°58'57	18°56	3°47	18°30	17°31	12°55	10°59	5°35	26°57	8° 5	21°R52	20°38	16°34	n.a.	T 11
F 12	3 6 34	16° 0'04	1♉54	5°19	19°46	17°58	12°49	11° 4	5°34	26°56	8° 7	21°51	20°35	16°41	n.a.	F 12
S 13	3 10 31	17° 1'12	15°10	6°52	21° 1	18°25	12°42	11° 8	5°32	26°54	8°10	21°50	20°32	16°48	n.a.	S 13
S 14	3 14 28	18° 2'20	28°45	8°25	22°17	18°51	12°35	11°12	5°31	26°53	8°12	21°47	20°28	16°55	n.a.	S 14
M15	3 18 24	19° 3'30	12♊35	9°58	23°32	19°17	12°28	11°16	5°29	26°52	8°14	21°43	20°25	17° 1	n.a.	M15
T 16	3 22 21	20° 4'40	26°37	11°31	24°48	19°43	12°21	11°20	5°28	26°51	8°17	21°38	20°22	17° 8	n.a.	T 16
W17	3 26 17	21° 5'51	10♋47	13° 4	26° 3	20° 8	12°14	11°24	5°26	26°49	8°19	21°34	20°19	17°15	n.a.	W17
T 18	3 30 14	22° 7'02	25° 0	14°37	27°19	20°34	12° 7	11°28	5°25	26°48	8°21	21°31	20°16	17°21	n.a.	T 18
F 19	3 34 10	23° 8'15	9♌14	16°10	28°34	20°59	12° 0	11°32	5°23	26°47	8°23	21°28	20°12	17°28	n.a.	F 19
S 20	3 38 7	24° 9'28	23°25	17°44	29°50	21°23	11°53	11°36	5°21	26°45	8°26	21°D27	20° 9	17°35	n.a.	S 20
S 21	3 42 4	25°10'42	7♍32	19°18	1♐ 5	21°48	11°45	11°40	5°19	26°44	8°28	21°28	20° 6	17°42	n.a.	S 21
M22	3 46 0	26°11'56	21°33	20°52	2°20	22°12	11°38	11°43	5°18	26°43	8°30	21°29	20° 3	17°48	n.a.	M22
T 23	3 49 57	27°13'11	5♎26	22°26	3°36	22°36	11°30	11°47	5°16	26°41	8°33	21°31	20° 0	17°55	n.a.	T 23
W24	3 53 53	28°14'27	19°11	24° 0	4°51	23° 0	11°22	11°50	5°14	26°40	8°35	21°R32	19°57	18° 2	n.a.	W24
T 25	3 57 50	29°15'43	2♏47	25°35	6° 7	23°23	11°14	11°53	5°12	26°38	8°37	21°31	19°53	18° 8	n.a.	T 25
F 26	4 1 46	0♐17'00	16°12	27°10	7°22	23°46	11° 7	11°56	5°10	26°37	8°39	21°29	19°50	18°15	n.a.	F 26
S 27	4 5 43	1°18'16	29°25	28°45	8°38	24° 9	10°59	11°59	5° 8	26°35	8°42	21°24	19°47	18°22	n.a.	S 27
S 28	4 9 39	2°19'33	12♐24	0♐20	9°53	24°31	10°51	12° 2	5° 6	26°34	8°44	21°18	19°44	18°29	n.a.	S 28
M29	4 13 36	3°20'51	25° 8	1°55	11° 9	24°53	10°43	12° 5	5° 4	26°32	8°46	21°10	19°41	18°35	n.a.	M29
T 30	4 17 33	4♐22'08	7♑37	3♐31	12♐24	25♌15	10♊35	12♍ 8	5♋ 2	26♊31	8♏48	21♈ 1	19♈38	18♒42	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s17	27s25	4s20	5s52	1n39	13s12	0n29	18n58	1n53	22n25	0s19	9n49	2n 8	24n 0	0n24	22n57	0s45	3s22	11n30	8n37	8n21	20s52		n.a.
T 2	13 37	28 36	4 53	6 31	1 33	13 39	0 26	18 50	1 55	22 25	0 19	9 47	2 8	24 0	0 24	22 57	0 45	3 23	11 30	8 36	8 20	20 50		n.a.
W 3	13 58	28 20	5 11	7 11	1 26	14 6	0 24	18 43	1 56	22 24	0 19	9 45	2 8	24 0	0 24	22 57	0 45	3 23	11 29	8 35	8 19	20 47		n.a.
T 4	14 18	26 43	5 15	7 51	1 20	14 33	0 22	18 36	1 57	22 24	0 19	9 43	2 9	24 0	0 24	22 57	0 45	3 24	11 29	8 35	8 17	20 45		n.a.
F 5	14 38	23 55	5 6	8 31	1 13	14 59	0 19	18 29	1 58	22 23	0 19	9 42	2 9	24 0	0 24	22 57	0 45	3 25	11 29	8 35	8 16	20 42		n.a.
S 6	14 57	20 7	4 43	9 10	1 6	15 25	0 17	18 21	1 59	22 22	0 19	9 40	2 9	24 0	0 24	22 57	0 45	3 26	11 29	8 35	8 15	20 40		n.a.
S 7	15 17	15 33	4 9	9 50	1 0	15 50	0 15	18 14	2 1	22 22	0 19	9 38	2 9	24 0	0 24	22 57	0 45	3 27	11 29	8 35	8 14	20 37		n.a.
M 8	15 36	10 21	3 23	10 29	0 53	16 15	0 12	18 7	2 2	22 21	0 18	9 37	2 10	24 0	0 24	22 57	0 45	3 27	11 29	8 36	8 13	20 35		n.a.
T 9	15 55	4 42	2 28	11 8	0 46	16 40	0 10	18 0	2 3	22 21	0 18	9 35	2 10	24 0	0 24	22 57	0 45	3 28	11 29	8 36	8 11	20 33		n.a.
W10	16 13	1n14	1 25	11 47	0 39	17 4	0 8	17 53	2 4	22 20	0 18	9 34	2 10	24 1	0 24	22 57	0 45	3 29	11 29	8 37	8 10	20 30		n.a.
T 11	16 31	7 15	0 16	12 26	0 32	17 27	0 5	17 45	2 6	22 19	0 18	9 32	2 10	24 1	0 24	22 57	0 45	3 30	11 29	8 37	8 9	20 28		n.a.
F 12	16 49	13 8	0n55	13 3	0 25	17 50	0 3	17 38	2 7	22 18	0 18	9 31	2 10	24 1	0 24	22 57	0 45	3 30	11 29	8 37	8 8	20 25		n.a.
S 13	17 7	18 34	2 5	13 41	0 18	18 13	0 1	17 31	2 8	22 18	0 18	9 29	2 11	24 1	0 24	22 57	0 45	3 31	11 29	8 36	8 7	20 23		n.a.
S 14	17 25	23 11	3 9	14 18	0 11	18 35	0s 2	17 24	2 10	22 17	0 18	9 28	2 11	24 1	0 24	22 56	0 45	3 32	11 29	8 35	8 5	20 20		n.a.
M15	17 42	26 35	4 3	14 54	0 5	18 57	0 4	17 17	2 11	22 16	0 18	9 26	2 11	24 1	0 24	22 56	0 45	3 33	11 29	8 34	8 4	20 18		n.a.
T 16	17 58	28 24	4 43	15 30	0s 2	19 18	0 7	17 10	2 12	22 15	0 17	9 25	2 11	24 1	0 24	22 56	0 45	3 33	11 29	8 32	8 3	20 15		n.a.
W17	18 15	28 23	5 7	16 5	0 9	19 39	0 9	17 3	2 14	22 15	0 17	9 24	2 12	24 1	0 24	22 56	0 45	3 34	11 29	8 30	8 2	20 13		n.a.
T 18	18 31	26 29	5 12	16 40	0 16	19 59	0 11	16 56	2 15	22 14	0 17	9 23	2 12	24 1	0 24	22 56	0 45	3 35	11 29	8 29	8 1	20 10		n.a.
F 19	18 47	22 56	4 58	17 14	0 22	20 18	0 14	16 49	2 16	22 13	0 17	9 21	2 12	24 1	0 24	22 56	0 45	3 36	11 29	8 28	7 59	20 8		n.a.
S 20	19 2	18 2	4 25	17 47	0 29	20 37	0 16	16 43	2 18	22 12	0 17	9 20	2 12	24 1	0 24	22 56	0 45	3 36	11 29	8 28	7 58	20 5		n.a.
S 21	19 17	12 12	3 37	18 19	0 35	20 55	0 18	16 36	2 19	22 11	0 17	9 19	2 13	24 2	0 25	22 56	0 45	3 37	11 29	8 28	7 57	20 3		n.a.
M22	19 32	5 47	2 36	18 51	0 41	21 13	0 21	16 29	2 21	22 10	0 17	9 18	2 13	24 2	0 25	22 56	0 45	3 38	11 29	8 29	7 56	20 0		n.a.
T 23	19 46	0s52	1 27	19 21	0 47	21 30	0 23	16 23	2 22	22 9	0 17	9 17	2 13	24 2	0 25	22 56	0 45	3 38	11 29	8 29	7 54	19 58		n.a.
W24	20 0	7 24	0 13	19 51	0 53	21 47	0 25	16 16	2 23	22 8	0 16	9 16	2 14	24 2	0 25	22 56	0 45	3 39	11 29	8 29	7 53	19 55		n.a.
T 25	20 14	13 32	1s 1	20 20	0 59	22 2	0 28	16 10	2 25	22 8	0 16	9 15	2 14	24 2	0 25	22 56	0 45	3 40	11 29	8 29	7 52	19 53		n.a.
F 26	20 27	18 57	2 10	20 48	1 5	22 18	0 30	16 3	2 26	22 7	0 16	9 14	2 14	24 2	0 25	22 56	0 45	3 40	11 29	8 28	7 51	19 50		n.a.
S 27	20 40	23 22	3 11	21 15	1 10	22 32	0 32	15 57	2 28	22 6	0 16	9 13	2 14	24 2	0 25	22 56	0 45	3 41	11 29	8 27	7 50	19 48		n.a.
S 28	20 52	26 31	4 1	21 41	1 15	22 46	0 35	15 51	2 29	22 5	0 16	9 12	2 15	24 2	0 25	22 56	0 45	3 41	11 29	8 24	7 48	19 45		n.a.
M29	21 5	28 15	4 37	22 6	1 20	22 59	0 37	15 45	2 31	22 4	0 16	9 11	2 15	24 2	0 25	22 56	0 45	3 42	11 29	8 21	7 47	19 43		n.a.
T 30	21s16	28s29	5s 0	22s30	1s25	23s12	0s39	15n39	2n32	22n 3	0s16	9n10	2n15	24n 2	0n25	22n56	0s45	3s43	11n29	8n18	7n46	19s40		n.a.

Julian Day Number = 1637719.5, Delta T = 03h38m12s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°14'00, Lahiri = - 7°07'00 Julian Calendar 1 Nov. 230 BCE == Greg. Calendar 28 Oct. 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 230 BCE
geocentric

DECEMBER 230 BCE (-229) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 21 29	5♐23'24	19♑53	5♐ 7	13♐39	25♌36	10°R27	12♍11	4°R59	26°R29	8♏50	20°R53	19♈34	18♒49	n.a.	W 1
T 2	4 25 26	6°24'41	1♒57	6°44	14°55	25°57	10♊19	12°14	4♋57	26♊28	8°52	20♈47	19°31	18°55	n.a.	T 2
F 3	4 29 22	7°25'58	13°53	8°21	16°10	26°18	10°11	12°16	4°55	26°26	8°55	20°41	19°28	19° 2	n.a.	F 3
S 4	4 33 19	8°27'14	25°43	9°58	17°26	26°38	10° 2	12°18	4°53	26°24	8°57	20°38	19°25	19° 9	n.a.	S 4
S 5	4 37 15	9°28'29	7♓34	11°35	18°41	26°58	9°54	12°21	4°51	26°23	8°59	20°D37	19°22	19°15	n.a.	S 5
M 6	4 41 12	10°29'44	19°30	13°13	19°56	27°18	9°46	12°23	4°48	26°21	9° 1	20°38	19°18	19°22	n.a.	M 6
T 7	4 45 9	11°30'59	1♈36	14°52	21°12	27°37	9°38	12°25	4°46	26°20	9° 3	20°39	19°15	19°29	n.a.	T 7
W 8	4 49 5	12°32'13	13°58	16°30	22°27	27°56	9°30	12°27	4°44	26°18	9° 5	20°40	19°12	19°36	n.a.	W 8
T 9	4 53 2	13°33'26	26°40	18° 9	23°42	28°14	9°22	12°29	4°41	26°16	9° 7	20°R40	19° 9	19°42	n.a.	T 9
F 10	4 56 58	14°34'39	9♉45	19°48	24°57	28°32	9°14	12°31	4°39	26°15	9° 9	20°38	19° 6	19°49	n.a.	F 10
S 11	5 0 55	15°35'52	23°15	21°28	26°13	28°49	9° 6	12°32	4°36	26°13	9°11	20°34	19° 3	19°56	n.a.	S 11
S 12	5 4 51	16°37'04	7♊10	23° 8	27°28	29° 7	8°58	12°34	4°34	26°11	9°13	20°27	18°59	20° 2	n.a.	S 12
M13	5 8 48	17°38'15	21°26	24°49	28°43	29°23	8°50	12°36	4°32	26°10	9°15	20°19	18°56	20° 9	n.a.	M13
T 14	5 12 44	18°39'26	5♋57	26°29	29°58	29°39	8°42	12°37	4°29	26° 8	9°17	20° 9	18°53	20°16	n.a.	T 14
W15	5 16 41	19°40'37	20°38	28°10	1♑14	29°55	8°34	12°38	4°27	26° 6	9°19	19°59	18°50	20°23	n.a.	W15
T 16	5 20 38	20°41'47	5♌18	29°51	2°29	0♍11	8°26	12°39	4°24	26° 5	9°21	19°51	18°47	20°29	n.a.	T 16
F 17	5 24 34	21°42'57	19°53	1♑33	3°44	0°25	8°19	12°40	4°22	26° 3	9°23	19°44	18°44	20°36	n.a.	F 17
S 18	5 28 31	22°44'06	4♍17	3°14	4°59	0°40	8°11	12°41	4°19	26° 1	9°25	19°40	18°40	20°43	n.a.	S 18
S 19	5 32 27	23°45'15	18°26	4°55	6°15	0°54	8° 3	12°42	4°17	26° 0	9°26	19°D39	18°37	20°49	n.a.	S 19
M20	5 36 24	24°46'24	2♎20	6°36	7°30	1° 7	7°56	12°43	4°14	25°58	9°28	19°39	18°34	20°56	n.a.	M20
T 21	5 40 20	25°47'32	15°58	8°17	8°45	1°20	7°48	12°44	4°11	25°56	9°30	19°R39	18°31	21° 3	n.a.	T 21
W22	5 44 17	26°48'39	29°23	9°57	10° 0	1°32	7°41	12°44	4° 9	25°55	9°32	19°39	18°28	21° 9	n.a.	W22
T 23	5 48 13	27°49'46	12♏36	11°37	11°15	1°44	7°34	12°45	4° 6	25°53	9°34	19°37	18°24	21°16	n.a.	T 23
F 24	5 52 10	28°50'53	25°37	13°16	12°30	1°55	7°27	12°45	4° 4	25°51	9°35	19°32	18°21	21°23	n.a.	F 24
S 25	5 56 7	29°51'58	8♐27	14°53	13°45	2° 5	7°20	12°45	4° 1	25°49	9°37	19°24	18°18	21°30	n.a.	S 25
S 26	6 0 3	0♑53'03	21° 7	16°29	15° 0	2°15	7°13	12°R45	3°58	25°48	9°39	19°13	18°15	21°36	n.a.	S 26
M27	6 4 0	1°54'07	3♑36	18° 3	16°16	2°25	7° 6	12°45	3°56	25°46	9°40	19° 0	18°12	21°43	n.a.	M27
T 28	6 7 56	2°55'10	15°55	19°34	17°31	2°34	6°59	12°45	3°53	25°44	9°42	18°46	18° 9	21°50	n.a.	T 28
W29	6 11 53	3°56'12	28° 4	21° 3	18°46	2°42	6°53	12°45	3°51	25°43	9°43	18°32	18° 5	21°56	n.a.	W29
T 30	6 15 49	4°57'12	10♒ 4	22°28	20° 1	2°49	6°47	12°45	3°48	25°41	9°45	18°20	18° 2	22° 3	n.a.	T 30
F 31	6 19 46	5♑58'11	21♒57	23♑49	21♑16	2♍56	6♊40	12♍44	3♋45	25♊39	9♏47	18♈10	17♈59	22♒10	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	21s27	27s18	5s 8	22s53	1s30	23s23	0s41	15n33	2n34	22n 2	0s15	9n 9	2n15	24n 3	0n25	22n56	0s45	3s43	11n29	8n15	7n45	19s38			n.a.
T 2	21 38	24 52	5 2	23 15	1 34	23 35	0 43	15 27	2 35	22 1	0 15	9 8	2 16	24 3	0 25	22 56	0 45	3 44	11 30	8 12	7 44	19 35			n.a.
F 3	21 49	21 22	4 43	23 35	1 39	23 45	0 45	15 21	2 37	21 59	0 15	9 8	2 16	24 3	0 25	22 56	0 45	3 44	11 30	8 10	7 42	19 32			n.a.
S 4	21 59	17 3	4 13	23 54	1 43	23 55	0 47	15 16	2 38	21 58	0 15	9 7	2 16	24 3	0 25	22 56	0 45	3 45	11 30	8 9	7 41	19 30			n.a.
S 5	22 8	12 5	3 31	24 12	1 46	24 4	0 50	15 10	2 40	21 57	0 15	9 6	2 17	24 3	0 25	22 56	0 45	3 45	11 30	8 9	7 40	19 27			n.a.
M 6	22 17	6 39	2 40	24 28	1 50	24 12	0 52	15 5	2 42	21 56	0 15	9 6	2 17	24 3	0 25	22 56	0 45	3 46	11 30	8 9	7 39	19 25			n.a.
T 7	22 26	0 53	1 41	24 43	1 53	24 19	0 54	15 0	2 43	21 55	0 15	9 5	2 17	24 3	0 25	22 56	0 45	3 47	11 30	8 9	7 37	19 22			n.a.
W 8	22 34	5n 1	0 36	24 57	1 56	24 26	0 55	14 55	2 45	21 54	0 14	9 5	2 17	24 3	0 25	22 56	0 45	3 47	11 30	8 10	7 36	19 19			n.a.
T 9	22 42	10 54	0n32	25 9	1 58	24 32	0 57	14 50	2 47	21 53	0 14	9 4	2 18	24 3	0 25	22 56	0 45	3 48	11 30	8 10	7 35	19 17			n.a.
F 10	22 49	16 30	1 41	25 19	2 0	24 37	0 59	14 45	2 48	21 52	0 14	9 4	2 18	24 3	0 25	22 55	0 45	3 48	11 30	8 9	7 34	19 14			n.a.
S 11	22 56	21 28	2 45	25 28	2 2	24 41	1 1	14 40	2 50	21 51	0 14	9 3	2 18	24 4	0 25	22 55	0 45	3 49	11 31	8 7	7 33	19 12			n.a.
S 12	23 3	25 25	3 42	25 36	2 3	24 45	1 3	14 36	2 52	21 50	0 14	9 3	2 18	24 4	0 25	22 55	0 45	3 49	11 31	8 5	7 31	19 9			n.a.
M13	23 9	27 53	4 27	25 41	2 4	24 48	1 5	14 31	2 53	21 49	0 14	9 3	2 19	24 4	0 25	22 55	0 45	3 49	11 31	8 2	7 30	19 6			n.a.
T 14	23 14	28 30	4 55	25 45	2 5	24 50	1 6	14 27	2 55	21 48	0 13	9 2	2 19	24 4	0 25	22 55	0 45	3 50	11 31	7 58	7 29	19 4			n.a.
W15	23 19	27 7	5 4	25 47	2 5	24 51	1 8	14 23	2 57	21 47	0 13	9 2	2 19	24 4	0 25	22 55	0 45	3 50	11 31	7 54	7 28	19 1			n.a.
T 16	23 24	23 54	4 53	25 48	2 4	24 52	1 10	14 19	2 58	21 46	0 13	9 2	2 20	24 4	0 25	22 55	0 45	3 51	11 31	7 51	7 27	18 59			n.a.
F 17	23 28	19 11	4 23	25 46	2 3	24 51	1 11	14 15	3 0	21 44	0 13	9 2	2 20	24 4	0 25	22 55	0 45	3 51	11 32	7 49	7 25	18 56			n.a.
S 18	23 31	13 25	3 37	25 43	2 2	24 50	1 13	14 12	3 2	21 43	0 13	9 2	2 20	24 4	0 25	22 55	0 45	3 52	11 32	7 47	7 24	18 53			n.a.
S 19	23 35	7 3	2 38	25 38	2 0	24 49	1 14	14 9	3 4	21 42	0 13	9 2	2 20	24 4	0 25	22 55	0 45	3 52	11 32	7 47	7 23	18 51			n.a.
M20	23 37	0 27	1 31	25 30	1 57	24 46	1 16	14 5	3 5	21 41	0 12	9 2	2 21	24 4	0 25	22 55	0 45	3 52	11 32	7 47	7 22	18 48			n.a.
T 21	23 39	6s 3	0 20	25 21	1 54	24 43	1 17	14 2	3 7	21 40	0 12	9 2	2 21	24 5	0 25	22 55	0 45	3 53	11 32	7 47	7 20	18 45			n.a.
W22	23 41	12 11	0s52	25 10	1 50	24 39	1 18	14 0	3 9	21 39	0 12	9 2	2 21	24 5	0 25	22 55	0 45	3 53	11 32	7 47	7 19	18 43			n.a.
T 23	23 42	17 41	1 59	24 57	1 45	24 34	1 19	13 57	3 11	21 38	0 12	9 2	2 22	24 5	0 25	22 55	0 45	3 53	11 33	7 46	7 18	18 40			n.a.
F 24	23 43	22 17	2 58	24 42	1 39	24 28	1 21	13 55	3 13	21 37	0 12	9 2	2 22	24 5	0 25	22 55	0 45	3 54	11 33	7 44	7 17	18 37			n.a.
S 25	23 44	25 44	3 48	24 26	1 33	24 22	1 22	13 53	3 15	21 36	0 12	9 2	2 22	24 5	0 25	22 55	0 45	3 54	11 33	7 41	7 16	18 35			n.a.
S 26	23 43	27 50	4 26	24 7	1 26	24 15	1 23	13 51	3 16	21 35	0 11	9 2	2 23	24 5	0 25	22 55	0 45	3 54	11 33	7 37	7 14	18 32			n.a.
M27	23 43	28 30	4 50	23 47	1 18	24 7	1 24	13 49	3 18	21 34	0 11	9 3	2 23	24 5	0 25	22 55	0 45	3 55	11 34	7 32	7 13	18 29			n.a.
T 28	23 42	27 44	5 0	23 25	1 9	23 58	1 25	13 47	3 20	21 33	0 11	9 3	2 23	24 5	0 25	22 55	0 45	3 55	11 34	7 26	7 12	18 27			n.a.
W29	23 40	25 38	4 56	23 2	1 0	23 49	1 26	13 46	3 22	21 32	0 11	9 3	2 23	24 5	0 25	22 55	0 45	3 55	11 34	7 21	7 11	18 24			n.a.
T 30	23 38	22 25	4 39	22 38	0 49	23 39	1 27	13 45	3 24	21 31	0 11	9 4	2 24	24 5	0 25	22 55	0 45	3 55	11 34	7 16	7 9	18 21			n.a.
F 31	23s35	18s18	4s10	22s13	0s38	23s28	1s27	13n44	3n26	21n30	0s11	9n 4	2n24	24n 5	0n25	22n55	0s45	3s56	11n34	7n12	7n 8	18s19			n.a.

Julian Day Number = 1637749.5, Delta T = 03h38m11s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'56, Lahiri = - 7°06'56 Julian Calendar 1 Dec. 230 BCE == Greg. Calendar 27 Nov. 230 BCE

The year -229 astronomical counting style corresponds to year 230 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

JANUARY 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 23 43	6♉59'09	3♓46	25♉ 6	22♉31	3♍ 3	6°R34	12°R44	3°R43	25°R38	9♏48	18°R 2	17♈56	22♒16	n.a.	S 1
S 2	6 27 39	8° 0'05	15°35	26°16	23°46	3° 8	6♊28	12♍43	3♋40	25♊36	9°50	17♈58	17°53	22°23	n.a.	S 2
M 3	6 31 36	9° 1'00	27°29	27°21	25° 1	3°13	6°22	12°42	3°38	25°34	9°51	17°56	17°50	22°30	n.a.	M 3
T 4	6 35 32	10° 1'53	9♈31	28°19	26°16	3°18	6°17	12°41	3°35	25°33	9°52	17°D55	17°46	22°37	n.a.	T 4
W 5	6 39 29	11° 2'45	21°49	29° 8	27°30	3°21	6°11	12°40	3°32	25°31	9°54	17°R55	17°43	22°43	n.a.	W 5
T 6	6 43 25	12° 3'35	4♉27	29°49	28°45	3°24	6° 6	12°39	3°30	25°30	9°55	17°55	17°40	22°50	n.a.	T 6
F 7	6 47 22	13° 4'24	17°30	0♒21	0♒ 0	3°26	6° 1	12°38	3°27	25°28	9°56	17°52	17°37	22°57	n.a.	F 7
S 8	6 51 18	14° 5'11	1♊ 2	0°43	1°15	3°28	5°56	12°37	3°25	25°26	9°58	17°47	17°34	23° 3	n.a.	S 8
S 9	6 55 15	15° 5'56	15° 3	0°54	2°30	3°29	5°51	12°36	3°22	25°25	9°59	17°39	17°30	23°10	n.a.	S 9
M10	6 59 12	16° 6'40	29°31	0°R54	3°45	3°R29	5°46	12°34	3°20	25°23	10° 0	17°28	17°27	23°17	n.a.	M10
T 11	7 3 8	17° 7'22	14♋21	0°44	4°59	3°28	5°42	12°33	3°17	25°22	10° 2	17°17	17°24	23°23	n.a.	T 11
W12	7 7 5	18° 8'03	29°25	0°23	6°14	3°26	5°37	12°31	3°15	25°20	10° 3	17° 5	17°21	23°30	n.a.	W12
T 13	7 11 1	19° 8'42	14♌31	29♉52	7°29	3°24	5°33	12°29	3°12	25°19	10° 4	16°54	17°18	23°37	n.a.	T 13
F 14	7 14 58	20° 9'20	29°31	29°11	8°43	3°21	5°29	12°27	3°10	25°17	10° 5	16°46	17°15	23°44	n.a.	F 14
S 15	7 18 54	21° 9'56	14♍16	28°22	9°58	3°18	5°25	12°25	3° 7	25°16	10° 6	16°40	17°11	23°50	n.a.	S 15
S 16	7 22 51	22°10'31	28°40	27°26	11°13	3°13	5°22	12°23	3° 5	25°14	10° 7	16°38	17° 8	23°57	n.a.	S 16
M17	7 26 47	23°11'05	12♎41	26°24	12°27	3° 8	5°18	12°21	3° 2	25°13	10° 8	16°37	17° 5	24° 4	n.a.	M17
T 18	7 30 44	24°11'37	26°20	25°18	13°42	3° 2	5°15	12°19	3° 0	25°11	10° 9	16°37	17° 2	24°10	n.a.	T 18
W19	7 34 41	25°12'08	9♏39	24°11	14°56	2°55	5°12	12°16	2°58	25°10	10°10	16°36	16°59	24°17	n.a.	W19
T 20	7 38 37	26°12'38	22°40	23° 3	16°11	2°47	5° 9	12°14	2°55	25° 8	10°11	16°34	16°56	24°24	n.a.	T 20
F 21	7 42 34	27°13'06	5♐25	21°56	17°25	2°39	5° 7	12°12	2°53	25° 7	10°12	16°29	16°52	24°30	n.a.	F 21
S 22	7 46 30	28°13'32	17°59	20°53	18°40	2°29	5° 4	12° 9	2°51	25° 6	10°13	16°21	16°49	24°37	n.a.	S 22
S 23	7 50 27	29°13'57	0♑22	19°54	19°54	2°19	5° 2	12° 6	2°48	25° 4	10°14	16°10	16°46	24°44	n.a.	S 23
M24	7 54 23	0♒14'21	12°36	19° 0	21° 9	2° 9	5° 0	12° 3	2°46	25° 3	10°14	15°57	16°43	24°51	n.a.	M24
T 25	7 58 20	1°14'42	24°43	18°12	22°23	1°57	4°58	12° 1	2°44	25° 2	10°15	15°43	16°40	24°57	n.a.	T 25
W26	8 2 17	2°15'02	6♒43	17°31	23°38	1°45	4°56	11°58	2°42	25° 0	10°16	15°29	16°36	25° 4	n.a.	W26
T 27	8 6 13	3°15'20	18°38	16°57	24°52	1°32	4°55	11°55	2°39	24°59	10°17	15°16	16°33	25°11	n.a.	T 27
F 28	8 10 10	4°15'36	0♓28	16°30	26° 6	1°18	4°53	11°51	2°37	24°58	10°17	15° 6	16°30	25°17	n.a.	F 28
S 29	8 14 6	5°15'50	12°16	16°11	27°20	1° 3	4°52	11°48	2°35	24°57	10°18	14°58	16°27	25°24	n.a.	S 29
S 30	8 18 3	6°16'01	24° 5	15°58	28°35	0°48	4°51	11°45	2°33	24°55	10°18	14°54	16°24	25°31	n.a.	S 30
M31	8 21 59	7♒16'11	5♈59	15°D52	29♒49	0♍32	4♊51	11♍42	2♋31	24♊54	10♏19	14♈51	16♈21	25♒37	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23s32	13s30	3s31	21s47	0s25	23s16	1s28	13n44	3n28	21n30	0s10	9n 5	2n24	24n 6	0n25	22n55	0s45	3s56	11n35	7n 9	7n 7	18s16		n.a.	S 1
S 2	23 29	8 14	2 42	21 20	0 12	23 4	1 29	13 44	3 30	21 29	0 10	9 5	2 25	24 6	0 25	22 55	0 45	3 56	11 35	7 8	7 6	18 13		n.a.	S 2
M 3	23 25	2 38	1 46	20 54	0n 3	22 51	1 29	13 43	3 32	21 28	0 10	9 6	2 25	24 6	0 25	22 55	0 45	3 56	11 35	7 7	7 5	18 10		n.a.	M 3
T 4	23 20	3n 8	0 44	20 28	0 18	22 37	1 30	13 44	3 34	21 27	0 10	9 6	2 25	24 6	0 25	22 54	0 44	3 57	11 35	7 7	7 3	18 8		n.a.	T 4
W 5	23 16	8 55	0n21	20 2	0 33	22 23	1 30	13 44	3 35	21 26	0 10	9 7	2 25	24 6	0 25	22 54	0 44	3 57	11 36	7 7	7 2	18 5		n.a.	W 5
T 6	23 10	14 30	1 26	19 37	0 50	22 8	1 31	13 45	3 37	21 25	0 10	9 8	2 26	24 6	0 25	22 54	0 44	3 57	11 36	7 6	7 1	18 2		n.a.	T 6
F 7	23 4	19 39	2 29	19 14	1 7	21 53	1 31	13 46	3 39	21 25	0 9	9 8	2 26	24 6	0 25	22 54	0 44	3 57	11 36	7 5	7 0	17 59		n.a.	F 7
S 8	22 58	23 59	3 27	18 52	1 24	21 36	1 31	13 47	3 41	21 24	0 9	9 9	2 26	24 6	0 25	22 54	0 44	3 57	11 36	7 3	6 58	17 57		n.a.	S 8
S 9	22 52	27 4	4 13	18 32	1 42	21 19	1 32	13 48	3 43	21 23	0 9	9 10	2 26	24 6	0 25	22 54	0 44	3 57	11 37	7 0	6 57	17 54		n.a.	S 9
M10	22 44	28 29	4 46	18 15	1 59	21 2	1 32	13 50	3 45	21 23	0 9	9 11	2 27	24 6	0 25	22 54	0 44	3 57	11 37	6 56	6 56	17 51		n.a.	M10
T 11	22 37	27 54	4 59	18 1	2 16	20 44	1 32	13 52	3 47	21 22	0 9	9 11	2 27	24 6	0 25	22 54	0 44	3 58	11 37	6 52	6 55	17 49		n.a.	T 11
W12	22 29	25 17	4 53	17 49	2 33	20 25	1 32	13 54	3 49	21 21	0 9	9 12	2 27	24 6	0 25	22 54	0 44	3 58	11 38	6 47	6 53	17 46		n.a.	W12
T 13	22 20	20 54	4 26	17 41	2 48	20 6	1 32	13 57	3 51	21 21	0 8	9 13	2 28	24 6	0 25	22 54	0 44	3 58	11 38	6 43	6 52	17 43		n.a.	T 13
F 14	22 12	15 13	3 41	17 35	3 3	19 46	1 32	14 0	3 52	21 20	0 8	9 14	2 28	24 6	0 25	22 54	0 44	3 58	11 38	6 40	6 51	17 40		n.a.	F 14
S 15	22 2	8 45	2 42	17 32	3 16	19 26	1 31	14 3	3 54	21 20	0 8	9 15	2 28	24 7	0 25	22 54	0 44	3 58	11 38	6 38	6 50	17 37		n.a.	S 15
S 16	21 53	1 58	1 33	17 33	3 27	19 5	1 31	14 6	3 56	21 19	0 8	9 16	2 28	24 7	0 25	22 54	0 44	3 58	11 39	6 37	6 49	17 35		n.a.	S 16
M17	21 42	4s45	0 21	17 36	3 36	18 43	1 31	14 10	3 58	21 19	0 8	9 17	2 29	24 7	0 25	22 54	0 44	3 58	11 39	6 36	6 47	17 32		n.a.	M17
T 18	21 32	11 5	0s51	17 41	3 42	18 21	1 30	14 14	4 0	21 18	0 8	9 18	2 29	24 7	0 25	22 54	0 44	3 58	11 39	6 36	6 46	17 29		n.a.	T 18
W19	21 21	16 45	1 58	17 49	3 47	17 59	1 30	14 18	4 1	21 18	0 7	9 20	2 29	24 7	0 25	22 54	0 44	3 58	11 40	6 36	6 45	17 26		n.a.	W19
T 20	21 10	21 31	2 58	17 58	3 49	17 36	1 29	14 22	4 3	21 18	0 7	9 21	2 29	24 7	0 25	22 54	0 44	3 58	11 40	6 35	6 44	17 24		n.a.	T 20
F 21	20 58	25 11	3 47	18 9	3 49	17 12	1 29	14 27	4 5	21 17	0 7	9 22	2 30	24 7	0 25	22 54	0 44	3 58	11 40	6 33	6 42	17 21		n.a.	F 21
S 22	20 46	27 34	4 25	18 21	3 47	16 48	1 28	14 32	4 6	21 17	0 7	9 23	2 30	24 7	0 25	22 54	0 44	3 58	11 40	6 30	6 41	17 18		n.a.	S 22
S 23	20 33	28 33	4 49	18 34	3 43	16 24	1 27	14 37	4 8	21 17	0 7	9 24	2 30	24 7	0 25	22 54	0 44	3 58	11 41	6 26	6 40	17 15		n.a.	S 23
M24	20 20	28 5	5 0	18 47	3 37	15 59	1 26	14 42	4 9	21 17	0 7	9 26	2 30	24 7	0 25	22 54	0 44	3 58	11 41	6 21	6 39	17 12		n.a.	M24
T 25	20 7	26 18	4 57	19 1	3 29	15 34	1 25	14 48	4 11	21 16	0 7	9 27	2 30	24 7	0 25	22 54	0 44	3 58	11 41	6 15	6 37	17 10		n.a.	T 25
W26	19 54	23 20	4 40	19 16	3 20	15 8	1 24	14 54	4 12	21 16	0 6	9 28	2 31	24 7	0 25	22 54	0 44	3 58	11 42	6 10	6 36	17 7		n.a.	W26
T 27	19 40	19 24	4 12	19 30	3 10	14 42	1 23	15 0	4 14	21 16	0 6	9 30	2 31	24 7	0 25	22 54	0 44	3 58	11 42	6 5	6 35	17 4		n.a.	T 27
F 28	19 25	14 45	3 32	19 44	2 59	14 15	1 22	15 6	4 15	21 16	0 6	9 31	2 31	24 7	0 25	22 54	0 44	3 58	11 42	6 1	6 34	17 1		n.a.	F 28
S 29	19 11	9 33	2 44	19 58	2 47	13 49	1 21	15 13	4 16	21 16	0 6	9 33	2 31	24 7	0 25	22 54	0 44	3 57	11 43	5 58	6 33	16 58		n.a.	S 29
S 30	18 56	4 1	1 48	20 12	2 35	13 21	1 20	15 19	4 17	21 16	0 6	9 34	2 32	24 7	0 25	22 54	0 44	3 57	11 43	5 56	6 31	16 55		n.a.	S 30
M31	18s40	1n41	0s47	20s25	2n22	12s54	1s19	15n26	4n19	21n16	0s 6	9n36	2n32	24n 7	0n25	22n54	0s44	3s57	11n43	5n55	6n30	16s53		n.a.	M31

Julian Day Number = 1637780.5, Delta T = 03h38m10s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'52, Lahiri = - 7°06'51 Julian Calendar 1 Jan. 229 BCE == Greg. Calendar 28 Dec. 230 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

FEBRUARY 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 25 56	8♒16'18	18♈ 1	15♉53	1♓ 3	0°R15	4°R50	11°R38	2°R29	24°R53	10♏20	14°D51	16♈17	25♒44	n.a.	T 1
W 2	8 29 52	9°16'23	0♉16	16° 1	2°17	29♌58	4♊50	11♍35	2♋27	24♊52	10°20	14♈52	16°14	25°51	n.a.	W 2
T 3	8 33 49	10°16'26	12°50	16°14	3°31	29°40	4°D50	11°31	2°25	24°51	10°20	14°R52	16°11	25°57	n.a.	T 3
F 4	8 37 45	11°16'27	25°47	16°33	4°45	29°22	4°50	11°28	2°23	24°50	10°21	14°51	16° 8	26° 4	n.a.	F 4
S 5	8 41 42	12°16'25	9♊12	16°57	5°59	29° 3	4°50	11°24	2°22	24°49	10°21	14°48	16° 5	26°11	n.a.	S 5
S 6	8 45 39	13°16'22	23° 7	17°25	7°13	28°43	4°51	11°20	2°20	24°48	10°22	14°42	16° 2	26°18	n.a.	S 6
M 7	8 49 35	14°16'16	7♋31	17°59	8°27	28°23	4°51	11°16	2°18	24°47	10°22	14°35	15°58	26°24	n.a.	M 7
T 8	8 53 32	15°16'07	22°22	18°37	9°41	28° 2	4°52	11°12	2°16	24°46	10°22	14°26	15°55	26°31	n.a.	T 8
W 9	8 57 28	16°15'57	7♌32	19°19	10°55	27°41	4°53	11° 9	2°15	24°45	10°22	14°16	15°52	26°38	n.a.	W 9
T 10	9 1 25	17°15'44	22°50	20° 4	12° 9	27°20	4°55	11° 5	2°13	24°44	10°23	14° 8	15°49	26°44	n.a.	T 10
F 11	9 5 21	18°15'29	8♍ 5	20°53	13°22	26°58	4°56	11° 1	2°12	24°43	10°23	14° 2	15°46	26°51	n.a.	F 11
S 12	9 9 18	19°15'13	23° 8	21°46	14°36	26°36	4°58	10°56	2°10	24°42	10°23	13°58	15°42	26°58	n.a.	S 12
S 13	9 13 14	20°14'54	7♎50	22°41	15°50	26°13	5° 0	10°52	2° 8	24°41	10°23	13°D56	15°39	27° 4	n.a.	S 13
M14	9 17 11	21°14'33	22° 6	23°39	17° 3	25°50	5° 2	10°48	2° 7	24°41	10°23	13°56	15°36	27°11	n.a.	M14
T 15	9 21 8	22°14'11	5♏56	24°40	18°17	25°27	5° 4	10°44	2° 6	24°40	10°23	13°57	15°33	27°18	n.a.	T 15
W16	9 25 4	23°13'47	19°20	25°44	19°30	25° 4	5° 6	10°40	2° 4	24°39	10°R23	13°R58	15°30	27°24	n.a.	W16
T 17	9 29 1	24°13'21	2♐21	26°50	20°44	24°41	5° 9	10°35	2° 3	24°38	10°23	13°57	15°27	27°31	n.a.	T 17
F 18	9 32 57	25°12'53	15° 3	27°58	21°57	24°18	5°12	10°31	2° 2	24°38	10°23	13°55	15°23	27°38	n.a.	F 18
S 19	9 36 54	26°12'23	27°29	29° 8	23°11	23°54	5°15	10°27	2° 0	24°37	10°23	13°51	15°20	27°44	n.a.	S 19
S 20	9 40 50	27°11'52	9♑42	0♒21	24°24	23°31	5°18	10°22	1°59	24°36	10°23	13°45	15°17	27°51	n.a.	S 20
M21	9 44 47	28°11'18	21°46	1°35	25°37	23° 7	5°21	10°18	1°58	24°36	10°23	13°37	15°14	27°58	n.a.	M21
T 22	9 48 43	29°10'43	3♒44	2°52	26°50	22°44	5°25	10°13	1°57	24°35	10°23	13°29	15°11	28° 5	n.a.	T 22
W23	9 52 40	0♓10'05	15°37	4°10	28° 4	22°21	5°28	10° 9	1°56	24°35	10°22	13°20	15° 8	28°11	n.a.	W23
T 24	9 56 37	1° 9'25	27°27	5°30	29°17	21°58	5°32	10° 4	1°55	24°34	10°22	13°12	15° 4	28°18	n.a.	T 24
F 25	10 0 33	2° 8'44	9♓16	6°52	0♈30	21°35	5°36	10° 0	1°54	24°34	10°22	13° 6	15° 1	28°25	n.a.	F 25
S 26	10 4 30	3° 7'59	21° 7	8°15	1°43	21°13	5°40	9°55	1°53	24°33	10°21	13° 1	14°58	28°31	n.a.	S 26
S 27	10 8 26	4° 7'13	3♈ 0	9°40	2°56	20°51	5°45	9°50	1°52	24°33	10°21	12°59	14°55	28°38	n.a.	S 27
M28	10 12 23	5° 6'25	14°58	11° 7	4° 9	20°29	5°49	9°46	1°52	24°33	10°21	12°D58	14°52	28°45	n.a.	M28
T 29	10 16 19	6♓ 5'34	27♈ 5	12♒35	5♈22	20♌ 8	5♊54	9♍41	1♋51	24♊32	10♏20	12♈59	14♈48	28♒51	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s25	7n24	0n17	20s37	2n10	12s26	1s17	15n33	4n20	21n16	0s 5	9n37	2n32	24n 7	0n25	22n54	0s44	3s57	11n43	5n55	6n29	16s50		n.a.
W 2	18 9	12 58	1 21	20 49	1 57	11 58	1 16	15 40	4 21	21 16	0 5	9 39	2 32	24 7	0 25	22 54	0 44	3 57	11 44	5 55	6 28	16 47		n.a.
T 3	17 53	18 9	2 23	21 1	1 44	11 29	1 14	15 48	4 21	21 16	0 5	9 40	2 32	24 7	0 25	22 54	0 44	3 57	11 44	5 55	6 26	16 44		n.a.
F 4	17 36	22 40	3 20	21 11	1 31	11 0	1 13	15 55	4 22	21 16	0 5	9 42	2 33	24 7	0 25	22 54	0 44	3 57	11 44	5 55	6 25	16 41		n.a.
S 5	17 19	26 11	4 8	21 21	1 18	10 31	1 11	16 3	4 23	21 17	0 5	9 43	2 33	24 7	0 25	22 54	0 44	3 56	11 45	5 54	6 24	16 38		n.a.
S 6	17 2	28 15	4 43	21 29	1 6	10 2	1 9	16 10	4 24	21 17	0 5	9 45	2 33	24 7	0 25	22 54	0 44	3 56	11 45	5 52	6 23	16 35		n.a.
M 7	16 45	28 32	5 2	21 37	0 53	9 33	1 8	16 18	4 24	21 17	0 5	9 47	2 33	24 8	0 25	22 54	0 44	3 56	11 45	5 49	6 21	16 33		n.a.
T 8	16 27	26 48	5 1	21 44	0 41	9 3	1 6	16 26	4 25	21 17	0 4	9 48	2 33	24 8	0 25	22 54	0 44	3 56	11 46	5 45	6 20	16 30		n.a.
W 9	16 9	23 7	4 40	21 50	0 29	8 33	1 4	16 33	4 25	21 18	0 4	9 50	2 33	24 8	0 25	22 54	0 44	3 56	11 46	5 42	6 19	16 27		n.a.
T 10	15 51	17 49	3 58	21 55	0 18	8 2	1 2	16 41	4 25	21 18	0 4	9 52	2 34	24 8	0 25	22 54	0 44	3 55	11 46	5 38	6 18	16 24		n.a.
F 11	15 32	11 24	3 0	21 58	0 7	7 32	1 0	16 49	4 25	21 19	0 4	9 53	2 34	24 8	0 25	22 54	0 43	3 55	11 47	5 36	6 16	16 21		n.a.
S 12	15 14	4 25	1 49	22 0	0s 4	7 1	0 58	16 57	4 25	21 19	0 4	9 55	2 34	24 8	0 25	22 54	0 43	3 55	11 47	5 34	6 15	16 18		n.a.
S 13	14 55	2s39	0 33	22 2	0 14	6 31	0 56	17 5	4 25	21 20	0 4	9 57	2 34	24 8	0 25	22 54	0 43	3 55	11 47	5 34	6 14	16 15		n.a.
M14	14 35	9 23	0s44	22 2	0 24	6 0	0 54	17 12	4 25	21 20	0 4	9 59	2 34	24 8	0 25	22 54	0 43	3 54	11 48	5 34	6 13	16 12		n.a.
T 15	14 16	15 28	1 55	22 0	0 34	5 29	0 52	17 20	4 25	21 21	0 3	10 0	2 34	24 8	0 25	22 54	0 43	3 54	11 48	5 34	6 12	16 9		n.a.
W16	13 56	20 38	2 59	21 58	0 43	4 57	0 49	17 28	4 25	21 21	0 3	10 2	2 35	24 8	0 25	22 54	0 43	3 54	11 48	5 34	6 10	16 7		n.a.
T 17	13 36	24 39	3 50	21 54	0 52	4 26	0 47	17 35	4 24	21 22	0 3	10 4	2 35	24 8	0 25	22 54	0 43	3 53	11 48	5 34	6 9	16 4		n.a.
F 18	13 16	27 20	4 30	21 48	1 0	3 55	0 45	17 43	4 24	21 22	0 3	10 6	2 35	24 8	0 25	22 54	0 43	3 53	11 49	5 33	6 8	16 1		n.a.
S 19	12 56	28 37	4 55	21 41	1 9	3 23	0 42	17 50	4 23	21 23	0 3	10 7	2 35	24 8	0 25	22 54	0 43	3 53	11 49	5 32	6 7	15 58		n.a.
S 20	12 35	28 28	5 7	21 33	1 16	2 51	0 40	17 57	4 22	21 24	0 3	10 9	2 35	24 8	0 25	22 54	0 43	3 52	11 49	5 29	6 5	15 55		n.a.
M21	12 15	26 57	5 4	21 24	1 23	2 20	0 37	18 4	4 21	21 25	0 3	10 11	2 35	24 8	0 25	22 54	0 43	3 52	11 50	5 26	6 4	15 52		n.a.
T 22	11 54	24 13	4 49	21 13	1 30	1 48	0 35	18 11	4 20	21 25	0 2	10 13	2 35	24 8	0 25	22 54	0 43	3 52	11 50	5 23	6 3	15 49		n.a.
W23	11 33	20 29	4 21	21 0	1 36	1 16	0 32	18 18	4 19	21 26	0 2	10 15	2 35	24 8	0 25	22 54	0 43	3 51	11 50	5 19	6 2	15 46		n.a.
T 24	11 12	15 58	3 41	20 46	1 42	0 44	0 29	18 25	4 18	21 27	0 2	10 17	2 35	24 8	0 25	22 54	0 43	3 51	11 51	5 16	6 0	15 43		n.a.
F 25	10 50	10 51	2 53	20 31	1 48	0 12	0 27	18 31	4 17	21 28	0 2	10 18	2 36	24 8	0 25	22 54	0 43	3 51	11 51	5 14	5 59	15 40		n.a.
S 26	10 29	5 20	1 56	20 14	1 53	0n19	0 24	18 37	4 15	21 29	0 2	10 20	2 36	24 8	0 25	22 54	0 43	3 50	11 51	5 12	5 58	15 37		n.a.
S 27	10 7	0n23	0 54	19 56	1 58	0 51	0 21	18 43	4 14	21 30	0 2	10 22	2 36	24 8	0 25	22 54	0 43	3 50	11 51	5 11	5 57	15 34		n.a.
M28	9 45	6 8	0n11	19 36	2 2	1 23	0 18	18 48	4 12	21 30	0 2	10 24	2 36	24 8	0 25	22 54	0 43	3 50	11 52	5 11	5 55	15 31		n.a.
T 29	9s23	11n44	1n16	19s14	2s 5	1n55	0s16	18n54	4n10	21n31	0s 1	10n26	2n36	24n 8	0n25	22n54	0s43	3s49	11n52	5n11	5n54	15s28		n.a.

Julian Day Number = 1637811.5, Delta T = 03h38m09s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'48, Lahiri = - 7°06'47 Julian Calendar 1 Feb. 229 BCE == Greg. Calendar 28 Jan. 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

MARCH 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 20 16	7♓ 4'40	9♉25	14♒ 5	6♈34	19°R47	5♊59	9°R37	1°R50	24°R32	10°R20	13♈ 1	14♈45	28♒58	n.a.	W 1
T 2	10 24 12	8° 3'45	22° 0	15°36	7°47	19♌26	6° 4	9♍32	1♋50	24♊32	10♏19	13° 2	14°42	29° 5	n.a.	T 2
F 3	10 28 9	9° 2'47	4♊55	17° 9	9° 0	19° 6	6° 9	9°27	1°49	24°32	10°19	13°R 3	14°39	29°11	n.a.	F 3
S 4	10 32 5	10° 1'47	18°14	18°43	10°13	18°47	6°15	9°23	1°48	24°31	10°18	13° 3	14°36	29°18	n.a.	S 4
S 5	10 36 2	11° 0'44	1♋59	20°19	11°25	18°28	6°20	9°18	1°48	24°31	10°18	13° 2	14°33	29°25	n.a.	S 5
M 6	10 39 59	11°59'39	16°12	21°56	12°38	18°10	6°26	9°13	1°48	24°31	10°17	12°59	14°29	29°31	n.a.	M 6
T 7	10 43 55	12°58'31	0♌49	23°35	13°50	17°52	6°32	9° 9	1°47	24°31	10°16	12°55	14°26	29°38	n.a.	T 7
W 8	10 47 52	13°57'21	15°47	25°15	15° 2	17°36	6°38	9° 4	1°47	24°31	10°16	12°51	14°23	29°45	n.a.	W 8
T 9	10 51 48	14°56'09	0♍58	26°56	16°15	17°19	6°44	9° 0	1°47	24°D31	10°15	12°47	14°20	29°52	n.a.	T 9
F 10	10 55 45	15°54'55	16°11	28°40	17°27	17° 4	6°50	8°55	1°46	24°31	10°14	12°44	14°17	29°58	n.a.	F 10
S 11	10 59 41	16°53'38	1♎18	0♓24	18°39	16°49	6°57	8°51	1°46	24°31	10°13	12°42	14°14	0♓ 5	n.a.	S 11
S 12	11 3 38	17°52'20	16° 8	2°11	19°51	16°35	7° 3	8°46	1°46	24°31	10°13	12°D42	14°10	0°12	n.a.	S 12
M13	11 7 34	18°50'59	0♏36	3°58	21° 3	16°21	7°10	8°41	1°D46	24°31	10°12	12°43	14° 7	0°18	n.a.	M13
T 14	11 11 31	19°49'37	14°37	5°48	22°15	16° 9	7°17	8°37	1°46	24°31	10°11	12°44	14° 4	0°25	n.a.	T 14
W15	11 15 28	20°48'13	28°11	7°38	23°27	15°57	7°24	8°32	1°46	24°32	10°10	12°45	14° 1	0°32	n.a.	W15
T 16	11 19 24	21°46'47	11♐20	9°31	24°39	15°45	7°31	8°28	1°46	24°32	10° 9	12°47	13°58	0°38	n.a.	T 16
F 17	11 23 21	22°45'20	24° 5	11°25	25°51	15°35	7°38	8°24	1°46	24°32	10° 8	12°R47	13°54	0°45	n.a.	F 17
S 18	11 27 17	23°43'51	6♑31	13°20	27° 2	15°25	7°46	8°19	1°47	24°32	10° 7	12°46	13°51	0°52	n.a.	S 18
S 19	11 31 14	24°42'20	18°42	15°17	28°14	15°17	7°53	8°15	1°47	24°33	10° 6	12°45	13°48	0°58	n.a.	S 19
M20	11 35 10	25°40'47	0♒42	17°16	29°26	15° 9	8° 1	8°11	1°47	24°33	10° 5	12°43	13°45	1° 5	n.a.	M20
T 21	11 39 7	26°39'13	12°36	19°16	0♉37	15° 1	8° 9	8° 6	1°48	24°33	10° 4	12°40	13°42	1°12	n.a.	T 21
W22	11 43 3	27°37'37	24°25	21°17	1°48	14°55	8°17	8° 2	1°48	24°34	10° 3	12°38	13°39	1°18	n.a.	W22
T 23	11 47 0	28°35'59	6♓14	23°20	3° 0	14°49	8°25	7°58	1°49	24°34	10° 2	12°36	13°35	1°25	n.a.	T 23
F 24	11 50 57	29°34'19	18° 5	25°24	4°11	14°44	8°33	7°54	1°49	24°35	10° 1	12°34	13°32	1°32	n.a.	F 24
S 25	11 54 53	0♈32'37	0♈ 0	27°30	5°22	14°40	8°42	7°50	1°50	24°35	10° 0	12°33	13°29	1°38	n.a.	S 25
S 26	11 58 50	1°30'53	12° 1	29°36	6°33	14°37	8°50	7°46	1°50	24°36	9°59	12°D33	13°26	1°45	n.a.	S 26
M27	12 2 46	2°29'08	24°11	1♈44	7°44	14°35	8°59	7°42	1°51	24°36	9°57	12°33	13°23	1°52	n.a.	M27
T 28	12 6 43	3°27'20	6♉30	3°52	8°55	14°33	9° 7	7°38	1°52	24°37	9°56	12°34	13°19	1°58	n.a.	T 28
W29	12 10 39	4°25'31	19° 2	6° 0	10° 6	14°32	9°16	7°34	1°53	24°38	9°55	12°34	13°16	2° 5	n.a.	W29
T 30	12 14 36	5°23'40	1♊47	8° 9	11°17	14°D32	9°25	7°30	1°54	24°38	9°54	12°35	13°13	2°12	n.a.	T 30
F 31	12 18 32	6♈21'46	14♊49	10♈18	12♉27	14♌33	9♊34	7♍26	1♋54	24♊39	9♏53	12♈36	13♈10	2♓19	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s 1	17n 0	2n19	18s51	2s 9	2n27	0s13	18n59	4n 9	21n32	0s 1	10n28	2n36	24n 8	0n25	22n54	0s43	3s49	11n52	5n12	5n53	15s25		n.a.
T 2	8 39	21 39	3 17	18 27	2 12	2 58	0 10	19 4	4 7	21 33	0 1	10 29	2 36	24 8	0 25	22 54	0 43	3 48	11 53	5 13	5 52	15 22		n.a.
F 3	8 16	25 24	4 6	18 0	2 14	3 30	0 7	19 8	4 5	21 34	0 1	10 31	2 36	24 8	0 25	22 54	0 43	3 48	11 53	5 13	5 50	15 20		n.a.
S 4	7 54	27 55	4 44	17 33	2 16	4 2	0 4	19 13	4 3	21 36	0 1	10 33	2 36	24 8	0 25	22 54	0 43	3 48	11 53	5 13	5 49	15 17		n.a.
S 5	7 31	28 50	5 7	17 3	2 17	4 33	0 1	19 17	4 1	21 37	0 1	10 35	2 36	24 8	0 25	22 54	0 43	3 47	11 53	5 12	5 48	15 14		n.a.
M 6	7 9	27 54	5 12	16 32	2 18	5 5	0n 2	19 20	3 58	21 38	0 1	10 37	2 36	24 8	0 25	22 54	0 43	3 47	11 54	5 11	5 47	15 11		n.a.
T 7	6 46	25 3	4 58	16 0	2 18	5 36	0 5	19 24	3 56	21 39	0 1	10 38	2 36	24 8	0 25	22 54	0 43	3 46	11 54	5 10	5 45	15 8		n.a.
W 8	6 23	20 28	4 23	15 26	2 18	6 7	0 8	19 27	3 54	21 40	0 0	10 40	2 36	24 8	0 25	22 54	0 43	3 46	11 54	5 8	5 44	15 5		n.a.
T 9	6 0	14 31	3 29	14 50	2 18	6 38	0 11	19 30	3 52	21 41	0 0	10 42	2 36	24 8	0 25	22 54	0 43	3 45	11 54	5 6	5 43	15 2		n.a.
F 10	5 37	7 40	2 20	14 13	2 17	7 9	0 14	19 33	3 49	21 42	0 0	10 44	2 36	24 8	0 25	22 54	0 43	3 45	11 55	5 5	5 42	14 59		n.a.
S 11	5 14	0 26	1 2	13 34	2 15	7 40	0 17	19 35	3 47	21 44	0 0	10 45	2 36	24 8	0 25	22 54	0 42	3 44	11 55	5 5	5 40	14 56		n.a.
S 12	4 51	6s43	0s19	12 53	2 13	8 10	0 20	19 37	3 44	21 45	0n 0	10 47	2 36	24 8	0 25	22 54	0 42	3 44	11 55	5 4	5 39	14 53		n.a.
M13	4 28	13 20	1 37	12 11	2 10	8 40	0 23	19 39	3 42	21 46	0 0	10 49	2 36	24 8	0 25	22 54	0 42	3 43	11 55	5 5	5 38	14 50		n.a.
T 14	4 5	19 4	2 47	11 28	2 7	9 11	0 27	19 40	3 39	21 47	0 0	10 51	2 36	24 8	0 25	22 54	0 42	3 43	11 56	5 5	5 37	14 47		n.a.
W15	3 41	23 39	3 45	10 43	2 4	9 40	0 30	19 41	3 37	21 49	0 0	10 52	2 36	24 8	0 25	22 54	0 42	3 42	11 56	5 6	5 35	14 44		n.a.
T 16	3 18	26 51	4 29	9 56	1 59	10 10	0 33	19 42	3 34	21 50	0 0	10 54	2 36	24 8	0 25	22 54	0 42	3 42	11 56	5 6	5 34	14 41		n.a.
F 17	2 55	28 34	4 59	9 8	1 55	10 40	0 36	19 43	3 32	21 51	0 1	10 56	2 36	24 8	0 25	22 54	0 42	3 42	11 56	5 6	5 33	14 38		n.a.
S 18	2 31	28 47	5 13	8 18	1 49	11 9	0 39	19 43	3 29	21 53	0 1	10 57	2 36	24 8	0 25	22 54	0 42	3 41	11 56	5 6	5 32	14 35		n.a.
S 19	2 8	27 35	5 14	7 27	1 44	11 38	0 42	19 43	3 26	21 54	0 1	10 59	2 36	24 8	0 25	22 55	0 42	3 41	11 57	5 6	5 30	14 32		n.a.
M20	1 44	25 7	5 0	6 35	1 37	12 7	0 45	19 43	3 23	21 55	0 1	11 1	2 36	24 8	0 25	22 55	0 42	3 40	11 57	5 5	5 29	14 28		n.a.
T 21	1 21	21 36	4 34	5 41	1 30	12 35	0 49	19 43	3 21	21 57	0 1	11 2	2 36	24 8	0 25	22 55	0 42	3 40	11 57	5 4	5 28	14 25		n.a.
W22	0 57	17 14	3 56	4 46	1 23	13 3	0 52	19 42	3 18	21 58	0 1	11 4	2 36	24 7	0 25	22 55	0 42	3 39	11 57	5 3	5 27	14 22		n.a.
T 23	0 34	12 14	3 8	3 49	1 15	13 31	0 55	19 41	3 15	22 0	0 1	11 5	2 36	24 7	0 25	22 55	0 42	3 38	11 57	5 2	5 25	14 19		n.a.
F 24	0 10	6 47	2 11	2 52	1 7	13 58	0 58	19 40	3 13	22 1	0 1	11 7	2 36	24 7	0 25	22 55	0 42	3 38	11 58	5 1	5 24	14 16		n.a.
S 25	0n13	1 3	1 9	1 53	0 58	14 26	1 1	19 39	3 10	22 2	0 2	11 8	2 36	24 7	0 25	22 55	0 42	3 37	11 58	5 1	5 23	14 13		n.a.
S 26	0 37	4n46	0 3	0 54	0 49	14 52	1 4	19 37	3 7	22 4	0 2	11 10	2 36	24 7	0 25	22 55	0 42	3 37	11 58	5 1	5 22	14 10		n.a.
M27	1 0	10 29	1n 4	0n 6	0 39	15 19	1 7	19 35	3 4	22 5	0 2	11 11	2 36	24 7	0 25	22 55	0 42	3 36	11 58	5 1	5 20	14 7		n.a.
T 28	1 23	15 52	2 9	1 6	0 29	15 45	1 10	19 33	3 2	22 7	0 2	11 13	2 35	24 7	0 25	22 55	0 42	3 36	11 58	5 1	5 19	14 4		n.a.
W29	1 47	20 42	3 9	2 7	0 19	16 11	1 13	19 31	2 59	22 8	0 2	11 14	2 35	24 7	0 25	22 55	0 42	3 35	11 59	5 2	5 18	14 1		n.a.
T 30	2 10	24 41	4 0	3 9	0 8	16 36	1 16	19 28	2 56	22 10	0 2	11 15	2 35	24 7	0 25	22 55	0 42	3 35	11 59	5 2	5 17	13 58		n.a.
F 31	2n33	27n30	4n41	4n10	0n 2	17n 1	1n19	19n26	2n54	22n11	0n 2	11n17	2n35	24n 7	0n25	22n55	0s42	3s34	11n59	5n 2	5n15	13s55		n.a.

Julian Day Number = 1637840.5, Delta T = 03h38m08s
Ecliptic obliquity = 23°43'32, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'44, Lahiri = - 7°06'43 Julian Calendar 1 March 229 BCE == Greg. Calendar 26 Feb. 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

APRIL 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 22 29	7♈19'51	28♊10	12♈27	13♉38	14♌34	9♊43	7°R22	1♋55	24♊40	9°R51	12♈36	13♈ 7	2♓25	n.a.	S 1
S 2	12 26 25	8°17'53	11♋51	14°36	14°49	14°36	9°53	7♍19	1°56	24°41	9♏50	12°R36	13° 4	2°32	n.a.	S 2
M 3	12 30 22	9°15'54	25°52	16°44	15°59	14°39	10° 2	7°15	1°58	24°41	9°49	12°36	13° 0	2°39	n.a.	M 3
T 4	12 34 19	10°13'52	10♌13	18°50	17° 9	14°43	10°12	7°12	1°59	24°42	9°47	12°36	12°57	2°45	n.a.	T 4
W 5	12 38 15	11°11'49	24°51	20°56	18°19	14°47	10°21	7° 8	2° 0	24°43	9°46	12°36	12°54	2°52	n.a.	W 5
T 6	12 42 12	12° 9'43	9♍41	22°59	19°30	14°52	10°31	7° 5	2° 1	24°44	9°45	12°D36	12°51	2°59	n.a.	T 6
F 7	12 46 8	13° 7'36	24°37	25° 1	20°40	14°58	10°41	7° 2	2° 2	24°45	9°43	12°36	12°48	3° 5	n.a.	F 7
S 8	12 50 5	14° 5'27	9♎30	27° 1	21°49	15° 4	10°51	6°58	2° 4	24°46	9°42	12°R36	12°45	3°12	n.a.	S 8
S 9	12 54 1	15° 3'16	24°13	28°58	22°59	15°11	11° 1	6°55	2° 5	24°47	9°40	12°36	12°41	3°19	n.a.	S 9
M10	12 57 58	16° 1'04	8♏39	0♉53	24° 9	15°19	11°11	6°52	2° 6	24°48	9°39	12°35	12°38	3°25	n.a.	M10
T 11	13 1 54	16°58'50	22°44	2°44	25°18	15°27	11°21	6°49	2° 8	24°49	9°37	12°35	12°35	3°32	n.a.	T 11
W12	13 5 51	17°56'35	6♐24	4°33	26°28	15°36	11°31	6°46	2° 9	24°50	9°36	12°34	12°32	3°39	n.a.	W12
T 13	13 9 48	18°54'19	19°38	6°19	27°37	15°46	11°41	6°43	2°11	24°51	9°34	12°34	12°29	3°45	n.a.	T 13
F 14	13 13 44	19°52'01	2♑29	8° 2	28°47	15°56	11°52	6°41	2°13	24°52	9°33	12°33	12°25	3°52	n.a.	F 14
S 15	13 17 41	20°49'43	14°59	9°42	29°56	16° 7	12° 2	6°38	2°14	24°53	9°31	12°33	12°22	3°59	n.a.	S 15
S 16	13 21 37	21°47'23	27°12	11°18	1♊ 5	16°18	12°13	6°35	2°16	24°55	9°30	12°D33	12°19	4° 5	n.a.	S 16
M17	13 25 34	22°45'02	9♒12	12°51	2°14	16°30	12°24	6°33	2°18	24°56	9°28	12°33	12°16	4°12	n.a.	M17
T 18	13 29 30	23°42'40	21° 5	14°20	3°22	16°43	12°35	6°31	2°20	24°57	9°27	12°34	12°13	4°19	n.a.	T 18
W19	13 33 27	24°40'17	2♓54	15°47	4°31	16°56	12°45	6°28	2°21	24°58	9°25	12°35	12°10	4°25	n.a.	W19
T 20	13 37 23	25°37'52	14°44	17° 9	5°40	17° 9	12°56	6°26	2°23	25° 0	9°24	12°36	12° 6	4°32	n.a.	T 20
F 21	13 41 20	26°35'26	26°38	18°28	6°48	17°23	13° 7	6°24	2°25	25° 1	9°22	12°37	12° 3	4°39	n.a.	F 21
S 22	13 45 17	27°33'00	8♈40	19°43	7°56	17°38	13°19	6°22	2°27	25° 2	9°21	12°R38	12° 0	4°45	n.a.	S 22
S 23	13 49 13	28°30'32	20°52	20°55	9° 5	17°53	13°30	6°20	2°29	25° 4	9°19	12°38	11°57	4°52	n.a.	S 23
M24	13 53 10	29°28'03	3♉16	22° 3	10°13	18° 9	13°41	6°18	2°31	25° 5	9°17	12°37	11°54	4°59	n.a.	M24
T 25	13 57 6	0♉25'32	15°53	23° 7	11°21	18°25	13°52	6°16	2°33	25° 6	9°16	12°35	11°50	5° 5	n.a.	T 25
W26	14 1 3	1°23'01	28°44	24° 7	12°28	18°42	14° 4	6°14	2°36	25° 8	9°14	12°33	11°47	5°12	n.a.	W26
T 27	14 4 59	2°20'28	11♊49	25° 4	13°36	18°59	14°15	6°13	2°38	25° 9	9°13	12°30	11°44	5°19	n.a.	T 27
F 28	14 8 56	3°17'55	25° 7	25°56	14°44	19°17	14°27	6°11	2°40	25°11	9°11	12°27	11°41	5°25	n.a.	F 28
S 29	14 12 52	4°15'19	8♋40	26°45	15°51	19°35	14°38	6°10	2°42	25°12	9° 9	12°25	11°38	5°32	n.a.	S 29
S 30	14 16 49	5♉12'43	22♋26	27♉29	16♊58	19♌54	14♊50	6♍ 9	2♋45	25♊14	9♏ 8	12♈23	11♈35	5♓39	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n57	28n50	5n 7	5n11	0n13	17n26	1n22	19n23	2n51	22n13	0n 2	11n18	2n35	24n 7	0n25	22n55	0s42	3s34	11n59	5n 2	5n14	13s52		n.a.
S 2	3 20	28 27	5 17	6 11	0 24	17 50	1 25	19 19	2 48	22 14	0 2	11 19	2 35	24 7	0 25	22 55	0 42	3 33	11 59	5 2	5 13	13 49		n.a.
M 3	3 43	26 17	5 9	7 11	0 34	18 13	1 28	19 16	2 46	22 16	0 3	11 20	2 35	24 7	0 25	22 55	0 42	3 33	11 59	5 2	5 12	13 46		n.a.
T 4	4 6	22 24	4 41	8 10	0 45	18 37	1 31	19 12	2 43	22 17	0 3	11 22	2 35	24 7	0 25	22 55	0 42	3 32	11 59	5 2	5 10	13 43		n.a.
W 5	4 29	17 5	3 55	9 7	0 56	18 59	1 34	19 9	2 40	22 19	0 3	11 23	2 35	24 7	0 25	22 56	0 42	3 32	11 59	5 2	5 9	13 40		n.a.
T 6	4 52	10 41	2 53	10 3	1 6	19 22	1 37	19 5	2 38	22 20	0 3	11 24	2 35	24 7	0 25	22 56	0 42	3 31	12 0	5 2	5 8	13 36		n.a.
F 7	5 15	3 40	1 38	10 58	1 16	19 43	1 39	19 0	2 35	22 22	0 3	11 25	2 34	24 7	0 24	22 56	0 42	3 31	12 0	5 2	5 7	13 33		n.a.
S 8	5 37	3s33	0 17	11 51	1 25	20 5	1 42	18 56	2 32	22 23	0 3	11 26	2 34	24 7	0 24	22 56	0 42	3 30	12 0	5 2	5 5	13 30		n.a.
S 9	6 0	10 30	1s 4	12 42	1 34	20 25	1 45	18 51	2 30	22 25	0 3	11 27	2 34	24 7	0 24	22 56	0 41	3 30	12 0	5 2	5 4	13 27		n.a.
M10	6 22	16 45	2 20	13 31	1 43	20 46	1 47	18 47	2 27	22 26	0 3	11 28	2 34	24 7	0 24	22 56	0 41	3 29	12 0	5 2	5 3	13 24		n.a.
T 11	6 45	21 58	3 25	14 18	1 51	21 6	1 50	18 42	2 25	22 28	0 3	11 29	2 34	24 7	0 24	22 56	0 41	3 29	12 0	5 2	5 2	13 21		n.a.
W12	7 7	25 50	4 16	15 2	1 58	21 25	1 52	18 37	2 22	22 29	0 3	11 30	2 34	24 7	0 24	22 56	0 41	3 28	12 0	5 2	5 0	13 18		n.a.
T 13	7 29	28 10	4 52	15 45	2 4	21 43	1 55	18 31	2 20	22 31	0 4	11 31	2 34	24 7	0 24	22 56	0 41	3 28	12 0	5 1	4 59	13 15		n.a.
F 14	7 52	28 54	5 12	16 24	2 10	22 2	1 57	18 26	2 17	22 32	0 4	11 32	2 33	24 7	0 24	22 56	0 41	3 27	12 0	5 1	4 58	13 12		n.a.
S 15	8 14	28 7	5 17	17 2	2 16	22 19	1 59	18 20	2 15	22 34	0 4	11 33	2 33	24 7	0 24	22 56	0 41	3 27	12 0	5 1	4 57	13 9		n.a.
S 16	8 35	25 59	5 7	17 37	2 20	22 36	2 2	18 15	2 13	22 35	0 4	11 34	2 33	24 7	0 24	22 56	0 41	3 26	12 0	5 1	4 55	13 5		n.a.
M17	8 57	22 43	4 44	18 10	2 24	22 53	2 4	18 9	2 10	22 37	0 4	11 35	2 33	24 7	0 24	22 56	0 41	3 26	12 0	5 1	4 54	13 2		n.a.
T 18	9 19	18 33	4 8	18 40	2 27	23 8	2 6	18 3	2 8	22 39	0 4	11 35	2 33	24 7	0 24	22 57	0 41	3 25	12 0	5 1	4 53	12 59		n.a.
W19	9 40	13 42	3 23	19 7	2 29	23 24	2 8	17 56	2 5	22 40	0 4	11 36	2 33	24 7	0 24	22 57	0 41	3 25	12 0	5 2	4 52	12 56		n.a.
T 20	10 1	8 22	2 28	19 33	2 30	23 38	2 10	17 50	2 3	22 42	0 4	11 37	2 32	24 7	0 24	22 57	0 41	3 24	12 0	5 2	4 50	12 53		n.a.
F 21	10 23	2 41	1 27	19 56	2 30	23 52	2 12	17 43	2 1	22 43	0 4	11 37	2 32	24 7	0 24	22 57	0 41	3 24	12 0	5 3	4 49	12 50		n.a.
S 22	10 44	3n 8	0 22	20 17	2 30	24 6	2 14	17 37	1 59	22 45	0 4	11 38	2 32	24 6	0 24	22 57	0 41	3 23	12 0	5 3	4 48	12 47		n.a.
S 23	11 4	8 56	0n45	20 35	2 28	24 18	2 15	17 30	1 56	22 46	0 5	11 39	2 32	24 6	0 24	22 57	0 41	3 23	12 0	5 3	4 47	12 43		n.a.
M24	11 25	14 30	1 52	20 51	2 26	24 30	2 17	17 23	1 54	22 48	0 5	11 39	2 32	24 6	0 24	22 57	0 41	3 22	12 0	5 2	4 45	12 40		n.a.
T 25	11 45	19 33	2 53	21 5	2 23	24 42	2 19	17 15	1 52	22 49	0 5	11 40	2 32	24 6	0 24	22 57	0 41	3 22	12 0	5 2	4 44	12 37		n.a.
W26	12 6	23 49	3 48	21 16	2 19	24 53	2 20	17 8	1 50	22 50	0 5	11 40	2 31	24 6	0 24	22 57	0 41	3 21	12 0	5 1	4 43	12 34		n.a.
T 27	12 26	26 57	4 31	21 26	2 14	25 3	2 22	17 0	1 47	22 52	0 5	11 41	2 31	24 6	0 24	22 57	0 41	3 21	12 0	5 0	4 42	12 31		n.a.
F 28	12 46	28 38	5 0	21 33	2 9	25 12	2 23	16 53	1 45	22 53	0 5	11 41	2 31	24 6	0 24	22 57	0 41	3 20	12 0	4 59	4 40	12 28		n.a.
S 29	13 5	28 40	5 14	21 38	2 2	25 21	2 24	16 45	1 43	22 55	0 5	11 41	2 31	24 6	0 24	22 57	0 41	3 20	12 0	4 58	4 39	12 25		n.a.
S 30	13n25	26n55	5n10	21n41	1n55	25n29	2n25	16n37	1n41	22n56	0n 5	11n42	2n31	24n 6	0n24	22n58	0s41	3s19	12n 0	4n57	4n38	12s21		n.a.

Julian Day Number = 1637871.5, Delta T = 03h38m07s
Ecliptic obliquity = 23°43'32, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'40, Lahiri = - 7°06'39 Julian Calendar 1 Apr. 229 BCE == Greg. Calendar 28 March 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

MAY 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 20 46	6♉10'05	6♌25	28♉ 9	18♊ 5	20♌13	15♊ 2	6°R 7	2♋47	25♊15	9°R 6	12°D23	11♈31	5♓45	n.a.	M 1
T 2	14 24 42	7° 7'26	20°35	28°44	19°12	20°33	15°14	6♍ 6	2°49	25°17	9♏ 4	12♈23	11°28	5°52	n.a.	T 2
W 3	14 28 39	8° 4'46	4♍55	29°16	20°19	20°53	15°25	6° 5	2°52	25°19	9° 3	12°24	11°25	5°59	n.a.	W 3
T 4	14 32 35	9° 2'04	19°21	29°43	21°25	21°13	15°37	6° 4	2°54	25°20	9° 1	12°26	11°22	6° 5	n.a.	T 4
F 5	14 36 32	9°59'21	3♎52	0♊ 5	22°32	21°34	15°49	6° 3	2°57	25°22	8°59	12°27	11°19	6°12	n.a.	F 5
S 6	14 40 28	10°56'37	18°21	0°23	23°38	21°55	16° 1	6° 3	2°59	25°24	8°58	12°R27	11°16	6°19	n.a.	S 6
S 7	14 44 25	11°53'52	2♏44	0°36	24°44	22°16	16°14	6° 2	3° 2	25°25	8°56	12°26	11°12	6°25	n.a.	S 7
M 8	14 48 21	12°51'07	16°55	0°45	25°50	22°38	16°26	6° 2	3° 5	25°27	8°55	12°23	11° 9	6°32	n.a.	M 8
T 9	14 52 18	13°48'20	0♐50	0°R49	26°55	23° 1	16°38	6° 1	3° 7	25°29	8°53	12°19	11° 6	6°39	n.a.	T 9
W10	14 56 15	14°45'33	14°25	0°48	28° 1	23°23	16°50	6° 1	3°10	25°31	8°51	12°14	11° 3	6°45	n.a.	W10
T 11	15 0 11	15°42'46	27°39	0°43	29° 6	23°46	17° 2	6° 1	3°13	25°32	8°50	12° 9	11° 0	6°52	n.a.	T 11
F 12	15 4 8	16°39'58	10♑30	0°34	0♋11	24°10	17°15	6° 0	3°15	25°34	8°48	12° 4	10°56	6°59	n.a.	F 12
S 13	15 8 4	17°37'10	23° 2	0°21	1°16	24°34	17°27	6°D 0	3°18	25°36	8°47	12° 0	10°53	7° 6	n.a.	S 13
S 14	15 12 1	18°34'21	5♒16	0° 3	2°21	24°58	17°40	6° 0	3°21	25°38	8°45	11°58	10°50	7°12	n.a.	S 14
M15	15 15 57	19°31'32	17°18	29♉42	3°25	25°22	17°52	6° 1	3°24	25°40	8°43	11°D57	10°47	7°19	n.a.	M15
T 16	15 19 54	20°28'43	29°11	29°18	4°29	25°47	18° 5	6° 1	3°27	25°42	8°42	11°57	10°44	7°26	n.a.	T 16
W17	15 23 51	21°25'53	11♓ 0	28°51	5°33	26°12	18°17	6° 1	3°30	25°44	8°40	11°58	10°41	7°32	n.a.	W17
T 18	15 27 47	22°23'03	22°52	28°21	6°37	26°37	18°30	6° 2	3°33	25°45	8°39	12° 0	10°37	7°39	n.a.	T 18
F 19	15 31 44	23°20'13	4♈50	27°49	7°40	27° 3	18°43	6° 2	3°36	25°47	8°37	12° 1	10°34	7°46	n.a.	F 19
S 20	15 35 40	24°17'22	16°58	27°16	8°44	27°29	18°55	6° 3	3°39	25°49	8°35	12°R 1	10°31	7°52	n.a.	S 20
S 21	15 39 37	25°14'32	29°20	26°42	9°47	27°55	19° 8	6° 4	3°42	25°51	8°34	12° 0	10°28	7°59	n.a.	S 21
M22	15 43 33	26°11'41	11♉59	26° 7	10°49	28°22	19°21	6° 4	3°45	25°53	8°32	11°56	10°25	8° 6	n.a.	M22
T 23	15 47 30	27° 8'50	24°55	25°33	11°52	28°49	19°34	6° 5	3°48	25°55	8°31	11°51	10°22	8°12	n.a.	T 23
W24	15 51 26	28° 5'59	8♊ 8	24°59	12°54	29°16	19°46	6° 7	3°51	25°57	8°29	11°44	10°18	8°19	n.a.	W24
T 25	15 55 23	29° 3'08	21°38	24°27	13°56	29°43	19°59	6° 8	3°54	25°59	8°28	11°37	10°15	8°26	n.a.	T 25
F 26	15 59 20	0♊ 0'16	5♋21	23°57	14°58	0♍11	20°12	6° 9	3°57	26° 1	8°26	11°29	10°12	8°32	n.a.	F 26
S 27	16 3 16	0°57'24	19°14	23°29	15°59	0°39	20°25	6°10	4° 1	26° 3	8°25	11°22	10° 9	8°39	n.a.	S 27
S 28	16 7 13	1°54'32	3♌16	23° 5	17° 0	1° 8	20°38	6°12	4° 4	26° 5	8°23	11°17	10° 6	8°46	n.a.	S 28
M29	16 11 9	2°51'39	17°22	22°43	18° 1	1°36	20°51	6°13	4° 7	26° 8	8°22	11°14	10° 2	8°52	n.a.	M29
T 30	16 15 6	3°48'46	1♍31	22°25	19° 1	2° 5	21° 4	6°15	4°10	26°10	8°21	11°D13	9°59	8°59	n.a.	T 30
W31	16 19 2	4♊45'52	15♍41	22♉12	20♋ 1	2♍34	21♊17	6♍17	4♋14	26♊12	8♏19	11♈13	9♈56	9♓ 6	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n44	23n31	4n47	21n42	1n46	25n37	2n27	16n29	1n39	22n58	0n 5	11n42	2n30	24n 6	0n24	22n58	0s41	3s19	12n 0	4n57	4n37	12s18		n.a.
T 2	14 3	18 42	4 8	21 42	1 37	25 44	2 27	16 21	1 37	22 59	0 5	11 42	2 30	24 6	0 24	22 58	0 41	3 19	12 0	4 57	4 35	12 15		n.a.
W 3	14 22	12 47	3 12	21 39	1 27	25 50	2 28	16 12	1 35	23 1	0 6	11 42	2 30	24 6	0 24	22 58	0 41	3 18	12 0	4 58	4 34	12 12		n.a.
T 4	14 41	6 9	2 3	21 34	1 16	25 55	2 29	16 4	1 33	23 2	0 6	11 43	2 30	24 6	0 24	22 58	0 41	3 18	12 0	4 58	4 33	12 9		n.a.
F 5	14 59	0s50	0 47	21 27	1 4	26 0	2 30	15 55	1 31	23 3	0 6	11 43	2 30	24 6	0 24	22 58	0 41	3 17	12 0	4 58	4 32	12 6		n.a.
S 6	15 17	7 46	0s32	21 19	0 51	26 4	2 30	15 46	1 29	23 5	0 6	11 43	2 29	24 6	0 24	22 58	0 41	3 17	12 0	4 59	4 30	12 2		n.a.
S 7	15 35	14 16	1 49	21 8	0 38	26 8	2 31	15 37	1 27	23 6	0 6	11 43	2 29	24 6	0 24	22 58	0 41	3 16	12 0	4 58	4 29	11 59		n.a.
M 8	15 53	19 55	2 58	20 56	0 24	26 11	2 31	15 28	1 25	23 7	0 6	11 43	2 29	24 6	0 24	22 58	0 41	3 16	11 59	4 57	4 28	11 56		n.a.
T 9	16 10	24 23	3 54	20 43	0 9	26 13	2 31	15 19	1 23	23 9	0 6	11 43	2 29	24 5	0 24	22 58	0 41	3 16	11 59	4 55	4 27	11 53		n.a.
W10	16 27	27 22	4 36	20 28	0s 6	26 14	2 31	15 10	1 21	23 10	0 6	11 43	2 29	24 5	0 24	22 58	0 41	3 15	11 59	4 53	4 25	11 50		n.a.
T 11	16 44	28 44	5 2	20 11	0 22	26 15	2 31	15 0	1 19	23 11	0 6	11 43	2 28	24 5	0 24	22 58	0 41	3 15	11 59	4 51	4 24	11 46		n.a.
F 12	17 1	28 29	5 12	19 53	0 38	26 15	2 31	14 50	1 17	23 13	0 6	11 42	2 28	24 5	0 24	22 59	0 41	3 15	11 59	4 50	4 23	11 43		n.a.
S 13	17 17	26 45	5 6	19 34	0 55	26 14	2 31	14 41	1 16	23 14	0 7	11 42	2 28	24 5	0 24	22 59	0 40	3 14	11 59	4 48	4 22	11 40		n.a.
S 14	17 34	23 48	4 46	19 14	1 12	26 13	2 31	14 31	1 14	23 15	0 7	11 42	2 28	24 5	0 24	22 59	0 40	3 14	11 59	4 47	4 20	11 37		n.a.
M15	17 49	19 52	4 15	18 53	1 29	26 11	2 30	14 21	1 12	23 17	0 7	11 42	2 28	24 5	0 24	22 59	0 40	3 14	11 59	4 47	4 19	11 34		n.a.
T 16	18 5	15 12	3 32	18 32	1 45	26 9	2 30	14 11	1 10	23 18	0 7	11 41	2 27	24 5	0 24	22 59	0 40	3 13	11 58	4 47	4 18	11 30		n.a.
W17	18 20	10 0	2 41	18 10	2 2	26 5	2 29	14 0	1 9	23 19	0 7	11 41	2 27	24 5	0 24	22 59	0 40	3 13	11 58	4 47	4 16	11 27		n.a.
T 18	18 35	4 26	1 42	17 47	2 18	26 1	2 28	13 50	1 7	23 20	0 7	11 41	2 27	24 5	0 24	22 59	0 40	3 13	11 58	4 48	4 15	11 24		n.a.
F 19	18 50	1n21	0 39	17 25	2 34	25 57	2 27	13 40	1 5	23 21	0 7	11 40	2 27	24 5	0 24	22 59	0 40	3 12	11 58	4 48	4 14	11 21		n.a.
S 20	19 4	7 9	0n27	17 3	2 49	25 52	2 26	13 29	1 3	23 23	0 7	11 40	2 27	24 5	0 24	22 59	0 40	3 12	11 58	4 48	4 13	11 18		n.a.
S 21	19 18	12 48	1 32	16 41	3 3	25 46	2 25	13 18	1 2	23 24	0 7	11 39	2 26	24 4	0 24	22 59	0 40	3 12	11 57	4 48	4 11	11 14		n.a.
M22	19 32	18 4	2 35	16 20	3 16	25 40	2 23	13 7	1 0	23 25	0 7	11 39	2 26	24 4	0 24	22 59	0 40	3 11	11 57	4 47	4 10	11 11		n.a.
T 23	19 45	22 38	3 31	16 0	3 29	25 33	2 22	12 56	0 58	23 26	0 7	11 38	2 26	24 4	0 24	22 59	0 40	3 11	11 57	4 44	4 9	11 8		n.a.
W24	19 58	26 9	4 16	15 41	3 40	25 25	2 20	12 45	0 57	23 27	0 8	11 38	2 26	24 4	0 24	23 0	0 40	3 11	11 57	4 42	4 8	11 5		n.a.
T 25	20 11	28 16	4 49	15 24	3 50	25 17	2 18	12 34	0 55	23 28	0 8	11 37	2 25	24 4	0 24	23 0	0 40	3 11	11 57	4 39	4 6	11 1		n.a.
F 26	20 24	28 42	5 5	15 9	3 58	25 8	2 16	12 22	0 53	23 29	0 8	11 36	2 25	24 4	0 24	23 0	0 40	3 10	11 56	4 36	4 5	10 58		n.a.
S 27	20 36	27 21	5 4	14 55	4 5	24 59	2 14	12 11	0 52	23 30	0 8	11 36	2 25	24 4	0 24	23 0	0 40	3 10	11 56	4 33	4 4	10 55		n.a.
S 28	20 47	24 16	4 45	14 43	4 11	24 49	2 12	11 59	0 50	23 31	0 8	11 35	2 25	24 4	0 24	23 0	0 40	3 10	11 56	4 31	4 3	10 52		n.a.
M29	20 59	19 45	4 9	14 34	4 15	24 38	2 10	11 47	0 49	23 32	0 8	11 34	2 25	24 4	0 24	23 0	0 40	3 10	11 56	4 30	4 1	10 48		n.a.
T 30	21 10	14 7	3 17	14 27	4 18	24 27	2 7	11 35	0 47	23 33	0 8	11 33	2 24	24 4	0 24	23 0	0 40	3 10	11 55	4 29	4 0	10 45		n.a.
W31	21n21	7n45	2n13	14n22	4s19	24n16	2n 4	11n23	0n46	23n34	0n 8	11n33	2n24	24n 3	0n24	23n 0	0s40	3s 9	11n55	4n29	3n59	10s42		n.a.

Julian Day Number = 1637901.5, Delta T = 03h38m06s
Ecliptic obliquity = 23°43'32, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'35, Lahiri = - 7°06'35 Julian Calendar 1 May 229 BCE == Greg. Calendar 27 Apr. 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

JUNE 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 22 59	5♊42'58	29♍51	22°R 3	21♋ 1	3♍ 3	21♊30	6♍18	4♋17	26♊14	8°R18	11♈14	9♈53	9♓12	n.a.	T 1
F 2	16 26 55	6°40'04	13♎58	21°D58	22° 0	3°33	21°43	6°20	4°20	26°16	8♏16	11°R15	9°50	9°19	n.a.	F 2
S 3	16 30 52	7°37'09	28° 2	21♉58	22°59	4° 3	21°57	6°22	4°24	26°18	8°15	11°13	9°47	9°26	n.a.	S 3
S 4	16 34 49	8°34'15	11♏59	22° 3	23°57	4°33	22°10	6°25	4°27	26°20	8°14	11°10	9°43	9°32	n.a.	S 4
M 5	16 38 45	9°31'21	25°47	22°13	24°55	5° 3	22°23	6°27	4°31	26°22	8°12	11° 4	9°40	9°39	n.a.	M 5
T 6	16 42 42	10°28'26	9♐23	22°28	25°53	5°34	22°36	6°29	4°34	26°25	8°11	10°56	9°37	9°46	n.a.	T 6
W 7	16 46 38	11°25'32	22°43	22°49	26°50	6° 4	22°49	6°31	4°37	26°27	8°10	10°46	9°34	9°52	n.a.	W 7
T 8	16 50 35	12°22'39	5♑47	23°14	27°47	6°35	23° 2	6°34	4°41	26°29	8° 8	10°36	9°31	9°59	n.a.	T 8
F 9	16 54 31	13°19'45	18°32	23°44	28°44	7° 6	23°16	6°37	4°44	26°31	8° 7	10°26	9°28	10° 6	n.a.	F 9
S 10	16 58 28	14°16'52	1♒ 0	24°20	29°39	7°38	23°29	6°39	4°48	26°33	8° 6	10°18	9°24	10°12	n.a.	S 10
S 11	17 2 25	15°14'00	13°13	25° 1	0♌35	8° 9	23°42	6°42	4°51	26°35	8° 5	10°11	9°21	10°19	n.a.	S 11
M12	17 6 21	16°11'08	25°13	25°46	1°30	8°41	23°56	6°45	4°55	26°38	8° 3	10° 7	9°18	10°26	n.a.	M12
T 13	17 10 18	17° 8'17	7♓ 6	26°37	2°24	9°13	24° 9	6°48	4°58	26°40	8° 2	10° 4	9°15	10°32	n.a.	T 13
W14	17 14 14	18° 5'26	18°55	27°32	3°18	9°45	24°22	6°51	5° 2	26°42	8° 1	10°D 4	9°12	10°39	n.a.	W14
T 15	17 18 11	19° 2'36	0♈47	28°33	4°11	10°18	24°35	6°54	5° 6	26°44	8° 0	10° 4	9° 8	10°46	n.a.	T 15
F 16	17 22 7	19°59'47	12°46	29°38	5° 4	10°50	24°49	6°57	5° 9	26°46	7°59	10°R 4	9° 5	10°52	n.a.	F 16
S 17	17 26 4	20°56'58	24°58	0♊48	5°56	11°23	25° 2	7° 0	5°13	26°49	7°58	10° 3	9° 2	10°59	n.a.	S 17
S 18	17 30 0	21°54'11	7♉27	2° 2	6°48	11°56	25°15	7° 4	5°16	26°51	7°57	10° 0	8°59	11° 6	n.a.	S 18
M19	17 33 57	22°51'24	20°16	3°22	7°39	12°29	25°29	7° 7	5°20	26°53	7°56	9°55	8°56	11°12	n.a.	M19
T 20	17 37 54	23°48'38	3♊27	4°45	8°29	13° 3	25°42	7°11	5°24	26°55	7°55	9°47	8°53	11°19	n.a.	T 20
W21	17 41 50	24°45'53	17° 1	6°13	9°18	13°36	25°55	7°14	5°27	26°58	7°54	9°37	8°49	11°26	n.a.	W21
T 22	17 45 47	25°43'09	0♋54	7°45	10° 7	14°10	26° 9	7°18	5°31	27° 0	7°53	9°26	8°46	11°32	n.a.	T 22
F 23	17 49 43	26°40'25	15° 4	9°21	10°55	14°44	26°22	7°22	5°35	27° 2	7°52	9°15	8°43	11°39	n.a.	F 23
S 24	17 53 40	27°37'42	29°23	11° 1	11°43	15°18	26°35	7°26	5°38	27° 4	7°51	9° 5	8°40	11°45	n.a.	S 24
S 25	17 57 36	28°35'00	13♌47	12°45	12°29	15°52	26°49	7°30	5°42	27° 6	7°50	8°57	8°37	11°52	n.a.	S 25
M26	18 1 33	29°32'18	28°11	14°32	13°15	16°27	27° 2	7°34	5°46	27° 9	7°49	8°52	8°34	11°59	n.a.	M26
T 27	18 5 30	0♋29'37	12♍30	16°22	14° 0	17° 1	27°15	7°38	5°49	27°11	7°48	8°49	8°30	12° 5	n.a.	T 27
W28	18 9 26	1°26'56	26°41	18°15	14°44	17°36	27°29	7°42	5°53	27°13	7°48	8°48	8°27	12°12	n.a.	W28
T 29	18 13 23	2°24'16	10♎43	20°11	15°27	18°11	27°42	7°46	5°57	27°15	7°47	8°48	8°24	12°19	n.a.	T 29
F 30	18 17 19	3♋21'36	24♎36	22♊ 9	16♌ 9	18♍46	27♊55	7♍51	6♋ 0	27♊18	7♏46	8♈48	8♈21	12♓25	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n31	1n 0	1n 1	14n19	4s19	24n 4	2n 1	11n11	0n44	23n35	0n 8	11n32	2n24	24n 3	0n24	23n 0	0s40	3s 9	11n55	4n30	3n58	10s39		n.a.
F 2	21 41	5s48	0s15	14 19	4 18	23 51	1 58	10 59	0 43	23 36	0 8	11 31	2 24	24 3	0 24	23 0	0 40	3 9	11 54	4 30	3 56	10 35		n.a.
S 3	21 51	12 17	1 29	14 22	4 16	23 38	1 55	10 47	0 41	23 37	0 9	11 30	2 24	24 3	0 24	23 0	0 40	3 9	11 54	4 29	3 55	10 32		n.a.
S 4	22 0	18 6	2 37	14 27	4 12	23 24	1 52	10 34	0 40	23 38	0 9	11 29	2 23	24 3	0 24	23 0	0 40	3 9	11 54	4 28	3 54	10 29		n.a.
M 5	22 9	22 54	3 35	14 34	4 7	23 10	1 48	10 22	0 38	23 39	0 9	11 28	2 23	24 3	0 24	23 1	0 40	3 9	11 54	4 26	3 53	10 26		n.a.
T 6	22 17	26 24	4 19	14 43	4 1	22 56	1 44	10 9	0 37	23 40	0 9	11 27	2 23	24 3	0 24	23 1	0 40	3 8	11 53	4 23	3 51	10 22		n.a.
W 7	22 25	28 20	4 49	14 55	3 54	22 41	1 41	9 56	0 35	23 41	0 9	11 26	2 23	24 3	0 24	23 1	0 40	3 8	11 53	4 19	3 50	10 19		n.a.
T 8	22 33	28 38	5 3	15 9	3 47	22 26	1 37	9 43	0 34	23 41	0 9	11 25	2 22	24 2	0 24	23 1	0 40	3 8	11 53	4 15	3 49	10 16		n.a.
F 9	22 40	27 23	5 1	15 25	3 38	22 10	1 32	9 30	0 32	23 42	0 9	11 23	2 22	24 2	0 24	23 1	0 40	3 8	11 52	4 11	3 47	10 13		n.a.
S 10	22 47	24 48	4 44	15 43	3 29	21 54	1 28	9 17	0 31	23 43	0 9	11 22	2 22	24 2	0 24	23 1	0 40	3 8	11 52	4 7	3 46	10 9		n.a.
S 11	22 54	21 7	4 15	16 2	3 19	21 37	1 23	9 4	0 30	23 44	0 9	11 21	2 22	24 2	0 24	23 1	0 40	3 8	11 52	4 5	3 45	10 6		n.a.
M12	23 0	16 38	3 35	16 23	3 8	21 20	1 19	8 51	0 28	23 44	0 9	11 20	2 22	24 2	0 24	23 1	0 40	3 8	11 51	4 3	3 44	10 3		n.a.
T 13	23 6	11 34	2 46	16 46	2 57	21 3	1 14	8 37	0 27	23 45	0 10	11 18	2 21	24 2	0 24	23 1	0 40	3 8	11 51	4 2	3 42	9 59		n.a.
W14	23 11	6 7	1 50	17 10	2 45	20 46	1 9	8 24	0 26	23 46	0 10	11 17	2 21	24 2	0 24	23 1	0 40	3 8	11 51	4 2	3 41	9 56		n.a.
T 15	23 16	0 26	0 49	17 36	2 33	20 28	1 3	8 10	0 24	23 46	0 10	11 16	2 21	24 2	0 24	23 1	0 40	3 8	11 50	4 2	3 40	9 53		n.a.
F 16	23 21	5n19	0n14	18 2	2 20	20 10	0 58	7 57	0 23	23 47	0 10	11 14	2 21	24 1	0 24	23 1	0 40	3 8	11 50	4 2	3 39	9 50		n.a.
S 17	23 25	10 59	1 18	18 29	2 7	19 51	0 52	7 43	0 22	23 48	0 10	11 13	2 21	24 1	0 24	23 1	0 40	3 8	11 50	4 2	3 37	9 46		n.a.
S 18	23 28	16 22	2 20	18 57	1 54	19 32	0 46	7 29	0 20	23 48	0 10	11 11	2 20	24 1	0 24	23 1	0 40	3 8	11 49	4 1	3 36	9 43		n.a.
M19	23 32	21 10	3 16	19 26	1 41	19 13	0 40	7 15	0 19	23 49	0 10	11 10	2 20	24 1	0 24	23 2	0 40	3 8	11 49	3 58	3 35	9 40		n.a.
T 20	23 35	25 4	4 3	19 54	1 28	18 54	0 34	7 1	0 18	23 49	0 10	11 8	2 20	24 1	0 24	23 2	0 40	3 8	11 48	3 55	3 34	9 36		n.a.
W21	23 37	27 42	4 38	20 23	1 14	18 35	0 27	6 47	0 17	23 50	0 10	11 7	2 20	24 1	0 24	23 2	0 40	3 8	11 48	3 51	3 32	9 33		n.a.
T 22	23 39	28 41	4 58	20 52	1 1	18 15	0 21	6 32	0 15	23 50	0 10	11 5	2 20	24 1	0 24	23 2	0 40	3 8	11 48	3 47	3 31	9 30		n.a.
F 23	23 41	27 49	5 0	21 20	0 48	17 55	0 14	6 18	0 14	23 51	0 11	11 4	2 20	24 0	0 24	23 2	0 40	3 8	11 47	3 42	3 30	9 27		n.a.
S 24	23 42	25 7	4 43	21 47	0 35	17 35	0 7	6 3	0 13	23 51	0 11	11 2	2 19	24 0	0 24	23 2	0 40	3 8	11 47	3 38	3 29	9 23		n.a.
S 25	23 43	20 50	4 8	22 14	0 22	17 15	0s 1	5 49	0 12	23 52	0 11	11 0	2 19	24 0	0 24	23 2	0 40	3 8	11 46	3 35	3 27	9 20		n.a.
M26	23 43	15 19	3 17	22 40	0 9	16 55	0 8	5 34	0 10	23 52	0 11	10 59	2 19	24 0	0 24	23 2	0 40	3 9	11 46	3 33	3 26	9 17		n.a.
T 27	23 43	9 1	2 14	23 4	0n 3	16 34	0 16	5 19	0 9	23 53	0 11	10 57	2 19	24 0	0 24	23 2	0 40	3 9	11 46	3 32	3 25	9 13		n.a.
W28	23 43	2 18	1 4	23 26	0 14	16 14	0 24	5 5	0 8	23 53	0 11	10 55	2 19	24 0	0 24	23 2	0 40	3 9	11 45	3 32	3 23	9 10		n.a.
T 29	23 42	4s27	0s10	23 47	0 26	15 54	0 32	4 50	0 7	23 53	0 11	10 54	2 18	23 59	0 24	23 2	0 40	3 9	11 45	3 32	3 22	9 7		n.a.
F 30	23n41	10s55	1s23	24n 5	0n36	15n33	0s40	4n35	0n 6	23n54	0n11	10n52	2n18	23n59	0n24	23n 2	0s40	3s 9	11n44	3n32	3n21	9s 3		n.a.

Julian Day Number = 1637932.5, Delta T = 03h38m05s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'31, Lahiri = - 7°06'31 Julian Calendar 1 June 229 BCE == Greg. Calendar 28 May 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

JULY 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 21 16	4♋18'58	8♏20	24♊ 9	16♌50	19♍21	28♊ 9	7♍55	6♋ 4	27♊20	7°R45	8°R45	8♈18	12♓32	n.a.	S 1
S 2	18 25 12	5°16'20	21°55	26°10	17°30	19°57	28°22	7°59	6° 8	27°22	7♏45	8♈41	8°14	12°39	n.a.	S 2
M 3	18 29 9	6°13'43	5♐19	28°13	18° 8	20°32	28°35	8° 4	6°11	27°24	7°44	8°33	8°11	12°45	n.a.	M 3
T 4	18 33 5	7°11'06	18°32	0♋17	18°46	21° 8	28°48	8° 9	6°15	27°26	7°44	8°23	8° 8	12°52	n.a.	T 4
W 5	18 37 2	8° 8'31	1♑32	2°21	19°23	21°44	29° 2	8°13	6°19	27°29	7°43	8°11	8° 5	12°59	n.a.	W 5
T 6	18 40 59	9° 5'57	14°19	4°26	19°58	22°20	29°15	8°18	6°22	27°31	7°42	7°58	8° 2	13° 5	n.a.	T 6
F 7	18 44 55	10° 3'24	26°53	6°30	20°32	22°56	29°28	8°23	6°26	27°33	7°42	7°45	7°59	13°12	n.a.	F 7
S 8	18 48 52	11° 0'53	9♒12	8°35	21° 5	23°33	29°41	8°28	6°30	27°35	7°41	7°34	7°55	13°19	n.a.	S 8
S 9	18 52 48	11°58'22	21°19	10°38	21°36	24° 9	29°55	8°33	6°33	27°37	7°41	7°25	7°52	13°25	n.a.	S 9
M10	18 56 45	12°55'53	3♓16	12°42	22° 6	24°46	0♋ 8	8°38	6°37	27°40	7°40	7°18	7°49	13°32	n.a.	M10
T 11	19 0 41	13°53'26	15° 6	14°44	22°34	25°23	0°21	8°43	6°41	27°42	7°40	7°15	7°46	13°39	n.a.	T 11
W12	19 4 38	14°51'00	26°54	16°45	23° 1	25°59	0°34	8°48	6°45	27°44	7°40	7°13	7°43	13°45	n.a.	W12
T 13	19 8 34	15°48'35	8♈45	18°46	23°27	26°37	0°47	8°53	6°48	27°46	7°39	7°D13	7°40	13°52	n.a.	T 13
F 14	19 12 31	16°46'12	20°43	20°45	23°50	27°14	1° 0	8°59	6°52	27°48	7°39	7°R13	7°36	13°59	n.a.	F 14
S 15	19 16 28	17°43'51	2♉54	22°43	24°12	27°51	1°13	9° 4	6°55	27°50	7°39	7°12	7°33	14° 5	n.a.	S 15
S 16	19 20 24	18°41'31	15°24	24°40	24°33	28°29	1°26	9° 9	6°59	27°52	7°38	7°10	7°30	14°12	n.a.	S 16
M17	19 24 21	19°39'14	28°17	26°35	24°51	29° 6	1°39	9°15	7° 3	27°55	7°38	7° 5	7°27	14°19	n.a.	M17
T 18	19 28 17	20°36'58	11♊36	28°29	25° 8	29°44	1°52	9°21	7° 6	27°57	7°38	6°57	7°24	14°25	n.a.	T 18
W19	19 32 14	21°34'43	25°21	0♌21	25°22	0♎22	2° 5	9°26	7°10	27°59	7°38	6°48	7°20	14°32	n.a.	W19
T 20	19 36 10	22°32'31	9♋31	2°13	25°35	1° 0	2°18	9°32	7°14	28° 1	7°38	6°37	7°17	14°39	n.a.	T 20
F 21	19 40 7	23°30'19	24° 1	4° 3	25°46	1°38	2°31	9°38	7°17	28° 3	7°38	6°26	7°14	14°45	n.a.	F 21
S 22	19 44 3	24°28'10	8♌45	5°51	25°54	2°16	2°44	9°43	7°21	28° 5	7°38	6°16	7°11	14°52	n.a.	S 22
S 23	19 48 0	25°26'02	23°34	7°38	26° 1	2°55	2°56	9°49	7°24	28° 7	7°D38	6° 9	7° 8	14°59	n.a.	S 23
M24	19 51 57	26°23'55	8♍20	9°24	26° 5	3°33	3° 9	9°55	7°28	28° 9	7°38	6° 3	7° 5	15° 5	n.a.	M24
T 25	19 55 53	27°21'49	22°56	11° 8	26°R 7	4°12	3°22	10° 1	7°31	28°11	7°38	6° 1	7° 1	15°12	n.a.	T 25
W26	19 59 50	28°19'45	7♎19	12°51	26° 7	4°51	3°35	10° 7	7°35	28°13	7°38	6°D 0	6°58	15°19	n.a.	W26
T 27	20 3 46	29°17'43	21°26	14°33	26° 4	5°30	3°47	10°13	7°38	28°15	7°38	6° 1	6°55	15°25	n.a.	T 27
F 28	20 7 43	0♌15'41	5♏16	16°13	25°59	6° 9	4° 0	10°19	7°42	28°17	7°38	6°R 1	6°52	15°32	n.a.	F 28
S 29	20 11 39	1°13'42	18°50	17°52	25°51	6°48	4°12	10°25	7°45	28°19	7°38	5°59	6°49	15°39	n.a.	S 29
S 30	20 15 36	2°11'43	2♐10	19°30	25°41	7°27	4°25	10°31	7°49	28°21	7°39	5°56	6°46	15°45	n.a.	S 30
M31	20 19 32	3♌ 9'47	15♐15	21♌ 6	25♌29	8♎ 7	4♋37	10♍38	7♋52	28♊23	7♏39	5♈50	6♈42	15♓52	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n39	16s48	2s29	24n22	0n46	15n12	0s49	4n20	0n 4	23n54	0n11	10n50	2n18	23n59	0n24	23n 2	0s40	3s 9	11n44	3n31	3n20	9s 0		n.a.
S 2	23 37	21 47	3 27	24 35	0 55	14 52	0 58	4 5	0 3	23 54	0 11	10 48	2 18	23 59	0 24	23 2	0 40	3 10	11 44	3 29	3 18	8 57		n.a.
M 3	23 35	25 34	4 12	24 47	1 4	14 31	1 7	3 49	0 2	23 55	0 12	10 46	2 18	23 59	0 24	23 2	0 40	3 10	11 43	3 26	3 17	8 53		n.a.
T 4	23 32	27 55	4 43	24 55	1 12	14 11	1 16	3 34	0 1	23 55	0 12	10 44	2 18	23 59	0 24	23 2	0 40	3 10	11 43	3 22	3 16	8 50		n.a.
W 5	23 28	28 41	4 58	25 1	1 19	13 50	1 25	3 19	0s 0	23 55	0 12	10 42	2 17	23 58	0 24	23 2	0 40	3 10	11 42	3 17	3 15	8 47		n.a.
T 6	23 25	27 53	4 58	25 4	1 25	13 30	1 35	3 3	0 1	23 55	0 12	10 40	2 17	23 58	0 24	23 2	0 40	3 10	11 42	3 12	3 13	8 43		n.a.
F 7	23 20	25 40	4 44	25 4	1 30	13 10	1 45	2 48	0 2	23 55	0 12	10 38	2 17	23 58	0 24	23 3	0 40	3 11	11 41	3 7	3 12	8 40		n.a.
S 8	23 16	22 17	4 16	25 1	1 35	12 50	1 55	2 32	0 3	23 56	0 12	10 36	2 17	23 58	0 24	23 3	0 40	3 11	11 41	3 2	3 11	8 37		n.a.
S 9	23 11	17 59	3 37	24 56	1 39	12 30	2 5	2 17	0 5	23 56	0 12	10 34	2 17	23 58	0 24	23 3	0 40	3 11	11 41	2 59	3 10	8 33		n.a.
M10	23 5	13 3	2 49	24 48	1 42	12 10	2 16	2 1	0 6	23 56	0 12	10 32	2 17	23 58	0 24	23 3	0 40	3 12	11 40	2 56	3 8	8 30		n.a.
T 11	22 59	7 41	1 54	24 38	1 45	11 51	2 27	1 45	0 7	23 56	0 12	10 30	2 17	23 57	0 24	23 3	0 40	3 12	11 40	2 55	3 7	8 27		n.a.
W12	22 53	2 5	0 54	24 25	1 46	11 32	2 37	1 30	0 8	23 56	0 12	10 28	2 16	23 57	0 24	23 3	0 40	3 12	11 39	2 54	3 6	8 23		n.a.
T 13	22 47	3n38	0n 8	24 10	1 47	11 13	2 49	1 14	0 9	23 56	0 13	10 26	2 16	23 57	0 24	23 3	0 40	3 12	11 39	2 54	3 4	8 20		n.a.
F 14	22 40	9 17	1 11	23 53	1 48	10 54	3 0	0 58	0 10	23 56	0 13	10 24	2 16	23 57	0 24	23 3	0 40	3 13	11 38	2 54	3 3	8 17		n.a.
S 15	22 32	14 41	2 12	23 33	1 47	10 36	3 12	0 42	0 11	23 56	0 13	10 22	2 16	23 57	0 24	23 3	0 40	3 13	11 38	2 53	3 2	8 13		n.a.
S 16	22 24	19 38	3 8	23 12	1 47	10 18	3 23	0 26	0 12	23 56	0 13	10 19	2 16	23 57	0 24	23 3	0 40	3 13	11 37	2 52	3 1	8 10		n.a.
M17	22 16	23 51	3 56	22 49	1 45	10 1	3 35	0 10	0 13	23 56	0 13	10 17	2 16	23 56	0 24	23 3	0 40	3 14	11 37	2 50	2 59	8 7		n.a.
T 18	22 7	26 57	4 33	22 24	1 43	9 44	3 47	0s 6	0 14	23 56	0 13	10 15	2 16	23 56	0 24	23 3	0 40	3 14	11 36	2 48	2 58	8 3		n.a.
W19	21 58	28 34	4 56	21 57	1 41	9 27	4 0	0 22	0 15	23 56	0 13	10 13	2 15	23 56	0 24	23 3	0 40	3 15	11 36	2 44	2 57	8 0		n.a.
T 20	21 49	28 23	5 1	21 30	1 38	9 11	4 12	0 39	0 16	23 56	0 13	10 10	2 15	23 56	0 24	23 3	0 40	3 15	11 35	2 39	2 56	7 57		n.a.
F 21	21 39	26 17	4 48	21 0	1 35	8 56	4 25	0 55	0 17	23 56	0 13	10 8	2 15	23 56	0 24	23 3	0 40	3 15	11 35	2 35	2 54	7 53		n.a.
S 22	21 29	22 23	4 15	20 30	1 31	8 41	4 37	1 11	0 18	23 55	0 14	10 6	2 15	23 55	0 24	23 3	0 40	3 16	11 35	2 31	2 53	7 50		n.a.
S 23	21 18	17 3	3 25	19 58	1 27	8 27	4 50	1 27	0 19	23 55	0 14	10 3	2 15	23 55	0 24	23 3	0 40	3 16	11 34	2 28	2 52	7 47		n.a.
M24	21 7	10 44	2 21	19 26	1 22	8 14	5 3	1 44	0 20	23 55	0 14	10 1	2 15	23 55	0 24	23 3	0 40	3 17	11 34	2 26	2 50	7 43		n.a.
T 25	20 56	3 53	1 9	18 52	1 17	8 1	5 15	2 0	0 21	23 55	0 14	9 59	2 15	23 55	0 24	23 3	0 40	3 17	11 33	2 25	2 49	7 40		n.a.
W26	20 45	3s 3	0s 7	18 18	1 12	7 49	5 28	2 17	0 22	23 55	0 14	9 56	2 15	23 55	0 24	23 3	0 40	3 18	11 33	2 25	2 48	7 36		n.a.
T 27	20 33	9 42	1 21	17 43	1 6	7 38	5 41	2 33	0 23	23 54	0 14	9 54	2 14	23 55	0 24	23 3	0 40	3 18	11 32	2 25	2 47	7 33		n.a.
F 28	20 20	15 46	2 29	17 7	1 0	7 28	5 54	2 50	0 23	23 54	0 14	9 51	2 14	23 54	0 24	23 3	0 40	3 19	11 32	2 25	2 45	7 30		n.a.
S 29	20 7	20 57	3 27	16 31	0 54	7 18	6 6	3 6	0 24	23 54	0 14	9 49	2 14	23 54	0 24	23 3	0 40	3 19	11 31	2 24	2 44	7 26		n.a.
S 30	19 54	24 58	4 13	15 54	0 48	7 10	6 19	3 23	0 25	23 54	0 15	9 46	2 14	23 54	0 24	23 3	0 40	3 20	11 31	2 23	2 43	7 23		n.a.
M31	19n41	27s37	4s45	15n17	0n41	7n 2	6s31	3s39	0s26	23n53	0n15	9n44	2n14	23n54	0n25	23n 3	0s40	3s20	11n30	2n21	2n42	7s20		n.a.

Julian Day Number = 1637962.5, Delta T = 03h38m04s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'27, Lahiri = - 7°06'27 Julian Calendar 1 July 229 BCE == Greg. Calendar 27 June 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

AUGUST 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 23 29	4♌ 7'51	28♐ 8	22♌42	25°R14	8♎46	4♋50	10♍44	7♋56	28♊25	7♏39	5°R41	6♈39	15♓59	n.a.	T 1
W 2	20 27 26	5° 5'58	10♑49	24°16	24♌58	9°26	5° 2	10°50	7°59	28°27	7°39	5♈31	6°36	16° 5	n.a.	W 2
T 3	20 31 22	6° 4'06	23°18	25°48	24°38	10° 5	5°14	10°57	8° 2	28°28	7°40	5°20	6°33	16°12	n.a.	T 3
F 4	20 35 19	7° 2'16	5♒37	27°20	24°17	10°45	5°27	11° 3	8° 6	28°30	7°40	5°10	6°30	16°19	n.a.	F 4
S 5	20 39 15	8° 0'27	17°45	28°50	23°53	11°25	5°39	11° 9	8° 9	28°32	7°41	5° 0	6°26	16°25	n.a.	S 5
S 6	20 43 12	8°58'41	29°45	0♍19	23°27	12° 5	5°51	11°16	8°12	28°34	7°41	4°53	6°23	16°32	n.a.	S 6
M 7	20 47 8	9°56'56	11♓37	1°46	23° 0	12°46	6° 3	11°22	8°16	28°36	7°41	4°48	6°20	16°38	n.a.	M 7
T 8	20 51 5	10°55'14	23°25	3°13	22°30	13°26	6°15	11°29	8°19	28°37	7°42	4°45	6°17	16°45	n.a.	T 8
W 9	20 55 1	11°53'33	5♈11	4°38	21°59	14° 6	6°27	11°36	8°22	28°39	7°43	4°D44	6°14	16°52	n.a.	W 9
T 10	20 58 58	12°51'55	17° 1	6° 1	21°27	14°47	6°39	11°42	8°25	28°41	7°43	4°45	6°11	16°58	n.a.	T 10
F 11	21 2 55	13°50'19	28°58	7°24	20°53	15°27	6°51	11°49	8°29	28°43	7°44	4°46	6° 7	17° 5	n.a.	F 11
S 12	21 6 51	14°48'45	11♉ 8	8°44	20°18	16° 8	7° 3	11°56	8°32	28°44	7°44	4°R47	6° 4	17°12	n.a.	S 12
S 13	21 10 48	15°47'13	23°36	10° 4	19°43	16°49	7°15	12° 2	8°35	28°46	7°45	4°47	6° 1	17°18	n.a.	S 13
M14	21 14 44	16°45'44	6♊26	11°22	19° 6	17°30	7°26	12° 9	8°38	28°48	7°46	4°45	5°58	17°25	n.a.	M14
T 15	21 18 41	17°44'17	19°43	12°39	18°30	18°11	7°38	12°16	8°41	28°49	7°46	4°41	5°55	17°32	n.a.	T 15
W16	21 22 37	18°42'53	3♋28	13°53	17°53	18°52	7°49	12°23	8°44	28°51	7°47	4°35	5°52	17°38	n.a.	W16
T 17	21 26 34	19°41'30	17°42	15° 7	17°16	19°33	8° 1	12°30	8°47	28°52	7°48	4°29	5°48	17°45	n.a.	T 17
F 18	21 30 30	20°40'10	2♌20	16°18	16°40	20°15	8°12	12°37	8°50	28°54	7°49	4°22	5°45	17°52	n.a.	F 18
S 19	21 34 27	21°38'52	17°17	17°28	16° 4	20°56	8°24	12°43	8°53	28°55	7°50	4°15	5°42	17°58	n.a.	S 19
S 20	21 38 24	22°37'36	2♍23	18°36	15°29	21°38	8°35	12°50	8°56	28°57	7°51	4°10	5°39	18° 5	n.a.	S 20
M21	21 42 20	23°36'22	17°29	19°41	14°55	22°19	8°46	12°57	8°59	28°58	7°52	4° 7	5°36	18°12	n.a.	M21
T 22	21 46 17	24°35'10	2♎26	20°45	14°22	23° 1	8°57	13° 4	9° 2	29° 0	7°53	4°D 6	5°32	18°18	n.a.	T 22
W23	21 50 13	25°34'00	17° 7	21°46	13°51	23°43	9° 8	13°11	9° 5	29° 1	7°54	4° 7	5°29	18°25	n.a.	W23
T 24	21 54 10	26°32'51	1♏27	22°44	13°21	24°25	9°19	13°18	9° 7	29° 3	7°55	4° 8	5°26	18°32	n.a.	T 24
F 25	21 58 6	27°31'45	15°25	23°40	12°53	25° 7	9°30	13°26	9°10	29° 4	7°56	4°10	5°23	18°38	n.a.	F 25
S 26	22 2 3	28°30'40	29° 0	24°33	12°27	25°49	9°41	13°33	9°13	29° 5	7°57	4°R10	5°20	18°45	n.a.	S 26
S 27	22 5 59	29°29'37	12♐15	25°22	12° 3	26°31	9°51	13°40	9°15	29° 7	7°58	4° 9	5°17	18°52	n.a.	S 27
M28	22 9 56	0♍28'36	25°11	26° 9	11°41	27°14	10° 2	13°47	9°18	29° 8	7°59	4° 7	5°13	18°58	n.a.	M28
T 29	22 13 53	1°27'37	7♑50	26°51	11°21	27°56	10°13	13°54	9°21	29° 9	8° 0	4° 3	5°10	19° 5	n.a.	T 29
W30	22 17 49	2°26'40	20°16	27°30	11° 3	28°39	10°23	14° 1	9°23	29°10	8° 2	3°58	5° 7	19°11	n.a.	W30
T 31	22 21 46	3♍25'45	2♒31	28♍ 3	10♌48	29♎21	10♋33	14♍ 8	9♋26	29♊11	8♏ 3	3♈53	5♈ 4	19♓18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	19n27	28s44	5s 1	14n39	0n34	6n56	6s43	3s56	0s27	23n53	0n15	9n42	2n14	23n54	0n25	23n 3	0s40	3s21	11n30	2n17	2n40	7s16			n.a.
W 2	19 13	28 18	5 3	14 1	0 27	6 50	6 55	4 12	0 28	23 53	0 15	9 39	2 14	23 53	0 25	23 3	0 40	3 21	11 29	2 13	2 39	7 13			n.a.
T 3	18 59	26 26	4 49	13 23	0 20	6 46	7 7	4 29	0 29	23 52	0 15	9 36	2 14	23 53	0 25	23 3	0 40	3 22	11 29	2 9	2 38	7 9			n.a.
F 4	18 44	23 20	4 23	12 44	0 12	6 42	7 18	4 46	0 30	23 52	0 15	9 34	2 14	23 53	0 25	23 3	0 40	3 22	11 28	2 5	2 36	7 6			n.a.
S 5	18 29	19 15	3 44	12 5	0 4	6 40	7 28	5 2	0 31	23 51	0 15	9 31	2 14	23 53	0 25	23 3	0 40	3 23	11 28	2 1	2 35	7 3			n.a.
S 6	18 14	14 27	2 56	11 27	0s 3	6 39	7 38	5 19	0 31	23 51	0 15	9 29	2 14	23 53	0 25	23 4	0 40	3 24	11 27	1 58	2 34	6 59			n.a.
M 7	17 58	9 9	2 1	10 48	0 11	6 39	7 48	5 35	0 32	23 51	0 16	9 26	2 13	23 52	0 25	23 4	0 40	3 24	11 27	1 56	2 33	6 56			n.a.
T 8	17 42	3 34	1 1	10 9	0 19	6 40	7 57	5 52	0 33	23 50	0 16	9 24	2 13	23 52	0 25	23 4	0 40	3 25	11 27	1 55	2 31	6 53			n.a.
W 9	17 26	2n 7	0n 2	9 30	0 27	6 42	8 5	6 9	0 34	23 50	0 16	9 21	2 13	23 52	0 25	23 4	0 40	3 25	11 26	1 54	2 30	6 49			n.a.
T 10	17 9	7 46	1 6	8 52	0 36	6 45	8 12	6 25	0 35	23 49	0 16	9 18	2 13	23 52	0 25	23 4	0 40	3 26	11 26	1 54	2 29	6 46			n.a.
F 11	16 52	13 13	2 7	8 13	0 44	6 49	8 19	6 42	0 35	23 49	0 16	9 16	2 13	23 52	0 25	23 4	0 40	3 27	11 25	1 55	2 28	6 42			n.a.
S 12	16 35	18 15	3 4	7 35	0 52	6 54	8 25	6 59	0 36	23 48	0 16	9 13	2 13	23 52	0 25	23 4	0 40	3 27	11 25	1 55	2 26	6 39			n.a.
S 13	16 18	22 39	3 53	6 57	1 1	7 0	8 30	7 15	0 37	23 48	0 16	9 10	2 13	23 51	0 25	23 4	0 40	3 28	11 24	1 55	2 25	6 36			n.a.
M14	16 0	26 6	4 32	6 19	1 9	7 7	8 34	7 32	0 38	23 47	0 16	9 8	2 13	23 51	0 25	23 4	0 40	3 29	11 24	1 54	2 24	6 32			n.a.
T 15	15 42	28 17	4 58	5 42	1 18	7 15	8 38	7 48	0 39	23 47	0 17	9 5	2 13	23 51	0 25	23 4	0 40	3 29	11 23	1 53	2 23	6 29			n.a.
W16	15 24	28 49	5 9	5 5	1 26	7 24	8 40	8 5	0 39	23 46	0 17	9 2	2 13	23 51	0 25	23 4	0 40	3 30	11 23	1 51	2 21	6 25			n.a.
T 17	15 5	27 30	5 1	4 29	1 34	7 33	8 42	8 21	0 40	23 46	0 17	9 0	2 13	23 51	0 25	23 4	0 40	3 31	11 22	1 48	2 20	6 22			n.a.
F 18	14 46	24 18	4 33	3 53	1 43	7 44	8 42	8 38	0 41	23 45	0 17	8 57	2 13	23 50	0 25	23 4	0 40	3 31	11 22	1 45	2 19	6 19			n.a.
S 19	14 27	19 26	3 47	3 18	1 51	7 54	8 42	8 54	0 42	23 44	0 17	8 54	2 13	23 50	0 25	23 4	0 40	3 32	11 21	1 43	2 17	6 15			n.a.
S 20	14 8	13 18	2 44	2 44	2 0	8 6	8 40	9 11	0 42	23 44	0 17	8 51	2 13	23 50	0 25	23 4	0 40	3 33	11 21	1 41	2 16	6 12			n.a.
M21	13 49	6 22	1 29	2 11	2 8	8 18	8 38	9 27	0 43	23 43	0 17	8 49	2 13	23 50	0 25	23 4	0 40	3 34	11 21	1 39	2 15	6 8			n.a.
T 22	13 29	0s50	0 9	1 38	2 16	8 30	8 35	9 44	0 44	23 43	0 17	8 46	2 13	23 50	0 25	23 4	0 40	3 34	11 20	1 39	2 14	6 5			n.a.
W23	13 9	7 53	1s10	1 6	2 24	8 43	8 31	10 0	0 45	23 42	0 18	8 43	2 13	23 50	0 25	23 4	0 40	3 35	11 20	1 39	2 12	6 2			n.a.
T 24	12 49	14 21	2 23	0 36	2 32	8 55	8 26	10 16	0 45	23 41	0 18	8 40	2 13	23 49	0 25	23 4	0 40	3 36	11 19	1 40	2 11	5 58			n.a.
F 25	12 28	19 56	3 26	0 7	2 39	9 9	8 21	10 33	0 46	23 41	0 18	8 38	2 13	23 49	0 25	23 4	0 40	3 37	11 19	1 40	2 10	5 55			n.a.
S 26	12 8	24 20	4 15	0s21	2 46	9 22	8 14	10 49	0 47	23 40	0 18	8 35	2 12	23 49	0 25	23 4	0 40	3 37	11 18	1 41	2 8	5 51			n.a.
S 27	11 47	27 19	4 50	0 47	2 54	9 35	8 7	11 5	0 47	23 39	0 18	8 32	2 12	23 49	0 25	23 4	0 40	3 38	11 18	1 40	2 7	5 48			n.a.
M28	11 26	28 46	5 8	1 12	3 0	9 48	8 0	11 21	0 48	23 39	0 18	8 29	2 12	23 49	0 25	23 4	0 40	3 39	11 17	1 39	2 6	5 44			n.a.
T 29	11 5	28 40	5 11	1 35	3 7	10 1	7 52	11 37	0 49	23 38	0 18	8 26	2 12	23 49	0 25	23 4	0 40	3 40	11 17	1 38	2 5	5 41			n.a.
W30	10 44	27 7	5 0	1 56	3 13	10 14	7 43	11 53	0 49	23 37	0 19	8 24	2 12	23 48	0 25	23 4	0 40	3 40	11 17	1 36	2 3	5 38			n.a.
T 31	10n22	24s17	4s34	2s14	3s18	10n27	7s34	12s 9	0s50	23n37	0n19	8n21	2n12	23n48	0n25	23n 4	0s40	3s41	11n16	1n34	2n 2	5s34			n.a.

Julian Day Number = 1637993.5, Delta T = 03h38m03s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'23, Lahiri = - 7°06'22 Julian Calendar 1 Aug. 229 BCE == Greg. Calendar 28 July 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

SEPTEMBER 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 25 42	4♍24'51	14♒37	28♍33	10°R35	0♏ 4	10♋43	14♍15	9♋28	29♊13	8♏ 4	3°R48	5♈ 1	19♓25	n.a.	F 1
S 2	22 29 39	5°24'00	26°35	28°57	10♌25	0°47	10°54	14°23	9°31	29°14	8° 5	3♈43	4°58	19°31	n.a.	S 2
S 3	22 33 35	6°23'11	8♓27	29°15	10°17	1°30	11° 4	14°30	9°33	29°15	8° 7	3°39	4°54	19°38	n.a.	S 3
M 4	22 37 32	7°22'24	20°16	29°27	10°11	2°13	11°14	14°37	9°36	29°16	8° 8	3°37	4°51	19°45	n.a.	M 4
T 5	22 41 28	8°21'39	2♈ 3	29°R33	10° 8	2°56	11°23	14°44	9°38	29°17	8° 9	3°D36	4°48	19°51	n.a.	T 5
W 6	22 45 25	9°20'56	13°52	29°32	10°D 8	3°39	11°33	14°52	9°40	29°18	8°11	3°37	4°45	19°58	n.a.	W 6
T 7	22 49 21	10°20'16	25°44	29°23	10° 9	4°22	11°43	14°59	9°42	29°19	8°12	3°38	4°42	20° 5	n.a.	T 7
F 8	22 53 18	11°19'38	7♉43	29° 6	10°13	5° 5	11°52	15° 6	9°45	29°20	8°14	3°40	4°38	20°11	n.a.	F 8
S 9	22 57 15	12°19'02	19°55	28°42	10°20	5°49	12° 2	15°13	9°47	29°21	8°15	3°41	4°35	20°18	n.a.	S 9
S 10	23 1 11	13°18'29	2♊21	28° 9	10°28	6°32	12°11	15°20	9°49	29°22	8°17	3°42	4°32	20°25	n.a.	S 10
M11	23 5 8	14°17'59	15° 8	27°28	10°39	7°16	12°20	15°28	9°51	29°23	8°18	3°R43	4°29	20°31	n.a.	M11
T 12	23 9 4	15°17'30	28°18	26°39	10°52	7°59	12°29	15°35	9°53	29°23	8°20	3°42	4°26	20°38	n.a.	T 12
W13	23 13 1	16°17'05	11♋55	25°43	11° 7	8°43	12°38	15°42	9°55	29°24	8°22	3°41	4°23	20°45	n.a.	W13
T 14	23 16 57	17°16'41	26° 0	24°41	11°25	9°27	12°47	15°50	9°57	29°25	8°23	3°39	4°19	20°51	n.a.	T 14
F 15	23 20 54	18°16'20	10♌30	23°33	11°44	10°11	12°56	15°57	9°59	29°26	8°25	3°37	4°16	20°58	n.a.	F 15
S 16	23 24 50	19°16'01	25°23	22°21	12° 5	10°54	13° 4	16° 4	10° 1	29°26	8°26	3°35	4°13	21° 5	n.a.	S 16
S 17	23 28 47	20°15'45	10♍31	21° 7	12°27	11°38	13°13	16°11	10° 2	29°27	8°28	3°34	4°10	21°11	n.a.	S 17
M18	23 32 44	21°15'30	25°45	19°53	12°52	12°23	13°21	16°19	10° 4	29°28	8°30	3°33	4° 7	21°18	n.a.	M18
T 19	23 36 40	22°15'18	10♎55	18°42	13°18	13° 7	13°30	16°26	10° 6	29°28	8°32	3°D33	4° 3	21°24	n.a.	T 19
W20	23 40 37	23°15'07	25°51	17°35	13°46	13°51	13°38	16°33	10° 7	29°29	8°33	3°34	4° 0	21°31	n.a.	W20
T 21	23 44 33	24°14'59	10♏27	16°34	14°16	14°35	13°46	16°40	10° 9	29°29	8°35	3°35	3°57	21°38	n.a.	T 21
F 22	23 48 30	25°14'52	24°39	15°42	14°47	15°20	13°53	16°47	10°11	29°30	8°37	3°35	3°54	21°44	n.a.	F 22
S 23	23 52 26	26°14'48	8♐24	14°59	15°20	16° 4	14° 1	16°55	10°12	29°30	8°39	3°36	3°51	21°51	n.a.	S 23
S 24	23 56 23	27°14'45	21°43	14°27	15°54	16°49	14° 9	17° 2	10°14	29°31	8°41	3°R36	3°48	21°58	n.a.	S 24
M25	0 0 19	28°14'43	4♑39	14° 6	16°29	17°33	14°16	17° 9	10°15	29°31	8°43	3°36	3°44	22° 4	n.a.	M25
T 26	0 4 16	29°14'44	17°14	13°D56	17° 6	18°18	14°23	17°16	10°16	29°32	8°45	3°36	3°41	22°11	n.a.	T 26
W27	0 8 13	0♎14'46	29°32	13°58	17°44	19° 3	14°31	17°23	10°18	29°32	8°46	3°36	3°38	22°18	n.a.	W27
T 28	0 12 9	1°14'50	11♒38	14°11	18°23	19°47	14°38	17°30	10°19	29°32	8°48	3°35	3°35	22°24	n.a.	T 28
F 29	0 16 6	2°14'56	23°35	14°34	19° 4	20°32	14°45	17°38	10°20	29°33	8°50	3°35	3°32	22°31	n.a.	F 29
S 30	0 20 2	3♎15'03	5♓26	15♍ 7	19♌45	21♏17	14♋51	17♍45	10♋21	29♊33	8♏52	3°D35	3♈29	22♓38	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n 0	20s25	3s57	2s30	3s23	10n40	7s24	12s25	0s51	23n36	0n19	8n18	2n12	23n48	0n25	23n 4	0s40	3s42	11n16	1n31	2n 1	5s31		n.a.
S 2	9 39	15 46	3 9	2 44	3 27	10 52	7 14	12 41	0 51	23 35	0 19	8 15	2 12	23 48	0 25	23 4	0 40	3 43	11 15	1 30	2 0	5 27		n.a.
S 3	9 16	10 34	2 14	2 54	3 30	11 4	7 4	12 57	0 52	23 35	0 19	8 12	2 12	23 48	0 25	23 4	0 40	3 44	11 15	1 28	1 58	5 24		n.a.
M 4	8 54	5 1	1 13	3 2	3 33	11 16	6 54	13 12	0 52	23 34	0 19	8 9	2 12	23 48	0 25	23 4	0 40	3 44	11 14	1 27	1 57	5 20		n.a.
T 5	8 32	0n42	0 9	3 6	3 35	11 27	6 43	13 28	0 53	23 33	0 20	8 7	2 12	23 48	0 25	23 4	0 40	3 45	11 14	1 27	1 56	5 17		n.a.
W 6	8 9	6 24	0n56	3 6	3 35	11 38	6 32	13 43	0 54	23 33	0 20	8 4	2 12	23 47	0 25	23 4	0 40	3 46	11 14	1 27	1 54	5 14		n.a.
T 7	7 47	11 54	1 59	3 1	3 34	11 48	6 21	13 59	0 54	23 32	0 20	8 1	2 12	23 47	0 25	23 4	0 40	3 47	11 13	1 28	1 53	5 10		n.a.
F 8	7 24	17 3	2 57	2 53	3 32	11 58	6 9	14 14	0 55	23 31	0 20	7 58	2 12	23 47	0 25	23 4	0 40	3 48	11 13	1 28	1 52	5 7		n.a.
S 9	7 1	21 35	3 49	2 40	3 29	12 7	5 58	14 29	0 55	23 30	0 20	7 55	2 12	23 47	0 25	23 4	0 40	3 49	11 12	1 29	1 51	5 3		n.a.
S 10	6 38	25 18	4 30	2 22	3 24	12 16	5 47	14 44	0 56	23 30	0 20	7 52	2 12	23 47	0 25	23 4	0 40	3 49	11 12	1 29	1 49	5 0		n.a.
M11	6 15	27 51	5 0	1 59	3 17	12 24	5 35	14 59	0 57	23 29	0 20	7 50	2 12	23 47	0 25	23 4	0 40	3 50	11 12	1 30	1 48	4 56		n.a.
T 12	5 52	28 58	5 15	1 31	3 8	12 31	5 24	15 14	0 57	23 28	0 21	7 47	2 13	23 47	0 26	23 4	0 40	3 51	11 11	1 29	1 47	4 53		n.a.
W13	5 28	28 23	5 13	0 59	2 57	12 38	5 12	15 29	0 58	23 28	0 21	7 44	2 13	23 46	0 26	23 4	0 40	3 52	11 11	1 29	1 46	4 50		n.a.
T 14	5 5	25 59	4 53	0 22	2 44	12 45	5 1	15 44	0 58	23 27	0 21	7 41	2 13	23 46	0 26	23 4	0 40	3 53	11 11	1 28	1 44	4 46		n.a.
F 15	4 41	21 52	4 13	0n19	2 29	12 50	4 49	15 58	0 59	23 26	0 21	7 38	2 13	23 46	0 26	23 4	0 40	3 54	11 10	1 27	1 43	4 43		n.a.
S 16	4 18	16 17	3 16	1 2	2 13	12 56	4 38	16 13	0 59	23 26	0 21	7 36	2 13	23 46	0 26	23 4	0 40	3 55	11 10	1 27	1 42	4 39		n.a.
S 17	3 54	9 37	2 4	1 48	1 55	13 0	4 27	16 27	1 0	23 25	0 21	7 33	2 13	23 46	0 26	23 4	0 40	3 55	11 9	1 26	1 40	4 36		n.a.
M18	3 30	2 22	0 43	2 35	1 36	13 4	4 16	16 41	1 0	23 24	0 22	7 30	2 13	23 46	0 26	23 4	0 40	3 56	11 9	1 26	1 39	4 32		n.a.
T 19	3 7	4s59	0s41	3 22	1 16	13 7	4 5	16 55	1 1	23 24	0 22	7 27	2 13	23 46	0 26	23 4	0 40	3 57	11 9	1 26	1 38	4 29		n.a.
W20	2 43	11 58	2 1	4 7	0 55	13 10	3 54	17 9	1 1	23 23	0 22	7 24	2 13	23 46	0 26	23 4	0 40	3 58	11 8	1 26	1 37	4 25		n.a.
T 21	2 19	18 9	3 11	4 50	0 35	13 12	3 43	17 23	1 2	23 22	0 22	7 21	2 13	23 46	0 26	23 4	0 40	3 59	11 8	1 26	1 35	4 22		n.a.
F 22	1 55	23 9	4 7	5 29	0 14	13 13	3 32	17 37	1 2	23 22	0 22	7 19	2 13	23 46	0 26	23 4	0 40	4 0	11 8	1 27	1 34	4 19		n.a.
S 23	1 31	26 42	4 48	6 4	0n 5	13 14	3 21	17 50	1 3	23 21	0 22	7 16	2 13	23 45	0 26	23 4	0 40	4 1	11 7	1 27	1 33	4 15		n.a.
S 24	1 6	28 38	5 11	6 33	0 24	13 14	3 11	18 4	1 3	23 20	0 23	7 13	2 13	23 45	0 26	23 4	0 40	4 2	11 7	1 27	1 32	4 12		n.a.
M25	0 42	28 56	5 18	6 57	0 41	13 13	3 1	18 17	1 3	23 20	0 23	7 10	2 13	23 45	0 26	23 4	0 40	4 2	11 7	1 27	1 30	4 8		n.a.
T 26	0 18	27 42	5 9	7 15	0 56	13 12	2 50	18 30	1 4	23 19	0 23	7 8	2 13	23 45	0 26	23 4	0 40	4 3	11 6	1 27	1 29	4 5		n.a.
W27	0s 6	25 9	4 46	7 28	1 11	13 10	2 40	18 43	1 4	23 18	0 23	7 5	2 13	23 45	0 26	23 4	0 40	4 4	11 6	1 27	1 28	4 1		n.a.
T 28	0 30	21 30	4 10	7 34	1 23	13 7	2 30	18 56	1 5	23 18	0 23	7 2	2 13	23 45	0 26	23 3	0 40	4 5	11 6	1 27	1 26	3 58		n.a.
F 29	0 54	17 2	3 25	7 35	1 34	13 4	2 21	19 9	1 5	23 17	0 23	6 59	2 13	23 45	0 26	23 3	0 40	4 6	11 5	1 26	1 25	3 54		n.a.
S 30	1s18	11s57	2s30	7n31	1n43	13n 0	2s11	19s21	1s 6	23n17	0n24	6n57	2n14	23n45	0n26	23n 3	0s40	4s 7	11n 5	1n26	1n24	3s51		n.a.

Julian Day Number = 1638024.5, Delta T = 03h38m02s
Ecliptic obliquity = 23°43'32, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'19, Lahiri = - 7°06'18 Julian Calendar 1 Sept. 229 BCE == Greg. Calendar 28 Aug. 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

OCTOBER 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 23 59	4♎15'12	17♓15	15♍49	20♌28	22♏ 2	14♋58	17♍52	10♋22	29♊33	8♏54	3♈35	3♈25	22♓44	n.a.	S 1
M 2	0 27 55	5°15'23	29° 3	16°38	21°12	22°47	15° 4	17°59	10°23	29°33	8°56	3°R35	3°22	22°51	n.a.	M 2
T 3	0 31 52	6°15'36	10♈53	17°35	21°57	23°32	15°11	18° 6	10°24	29°33	8°58	3°35	3°19	22°58	n.a.	T 3
W 4	0 35 48	7°15'51	22°47	18°38	22°43	24°18	15°17	18°13	10°25	29°33	9° 0	3°35	3°16	23° 4	n.a.	W 4
T 5	0 39 45	8°16'07	4♉47	19°46	23°29	25° 3	15°23	18°20	10°26	29°33	9° 3	3°34	3°13	23°11	n.a.	T 5
F 6	0 43 41	9°16'26	16°55	20°59	24°17	25°48	15°28	18°27	10°27	29°R33	9° 5	3°34	3° 9	23°17	n.a.	F 6
S 7	0 47 38	10°16'47	29°15	22°16	25° 6	26°33	15°34	18°34	10°27	29°33	9° 7	3°33	3° 6	23°24	n.a.	S 7
S 8	0 51 35	11°17'10	11♊47	23°36	25°55	27°19	15°40	18°41	10°28	29°33	9° 9	3°32	3° 3	23°31	n.a.	S 8
M 9	0 55 31	12°17'34	24°35	24°59	26°46	28° 4	15°45	18°47	10°29	29°33	9°11	3°31	3° 0	23°37	n.a.	M 9
T 10	0 59 28	13°18'01	7♋43	26°25	27°37	28°50	15°50	18°54	10°29	29°33	9°13	3°D31	2°57	23°44	n.a.	T 10
W11	1 3 24	14°18'30	21°11	27°53	28°29	29°35	15°55	19° 1	10°30	29°33	9°15	3°31	2°54	23°51	n.a.	W11
T 12	1 7 21	15°19'01	5♌ 2	29°22	29°21	0♐21	16° 0	19° 8	10°30	29°33	9°17	3°31	2°50	23°57	n.a.	T 12
F 13	1 11 17	16°19'34	19°16	0♎53	0♍15	1° 7	16° 5	19°15	10°31	29°33	9°20	3°32	2°47	24° 4	n.a.	F 13
S 14	1 15 14	17°20'09	3♍51	2°25	1° 9	1°52	16° 9	19°21	10°31	29°32	9°22	3°33	2°44	24°11	n.a.	S 14
S 15	1 19 10	18°20'46	18°43	3°57	2° 4	2°38	16°13	19°28	10°32	29°32	9°24	3°34	2°41	24°17	n.a.	S 15
M16	1 23 7	19°21'24	3♎46	5°31	2°59	3°24	16°17	19°35	10°32	29°32	9°26	3°R34	2°38	24°24	n.a.	M16
T 17	1 27 4	20°22'04	18°52	7° 5	3°55	4°10	16°21	19°41	10°32	29°31	9°29	3°34	2°35	24°31	n.a.	T 17
W18	1 31 0	21°22'46	3♏51	8°39	4°51	4°56	16°25	19°48	10°32	29°31	9°31	3°33	2°31	24°37	n.a.	W18
T 19	1 34 57	22°23'29	18°35	10°14	5°49	5°42	16°29	19°54	10°32	29°31	9°33	3°30	2°28	24°44	n.a.	T 19
F 20	1 38 53	23°24'14	2♐56	11°49	6°46	6°28	16°32	20° 1	10°R32	29°30	9°35	3°28	2°25	24°51	n.a.	F 20
S 21	1 42 50	24°24'59	16°52	13°24	7°44	7°14	16°35	20° 7	10°32	29°30	9°38	3°25	2°22	24°57	n.a.	S 21
S 22	1 46 46	25°25'47	0♑20	14°59	8°43	8° 0	16°39	20°14	10°32	29°29	9°40	3°22	2°19	25° 4	n.a.	S 22
M23	1 50 43	26°26'35	13°22	16°34	9°42	8°46	16°41	20°20	10°32	29°29	9°42	3°20	2°15	25°10	n.a.	M23
T 24	1 54 39	27°27'24	25°59	18° 9	10°42	9°33	16°44	20°26	10°32	29°28	9°44	3°D20	2°12	25°17	n.a.	T 24
W25	1 58 36	28°28'15	8♒17	19°44	11°42	10°19	16°47	20°33	10°32	29°27	9°47	3°20	2° 9	25°24	n.a.	W25
T 26	2 2 33	29°29'06	20°21	21°19	12°43	11° 5	16°49	20°39	10°31	29°27	9°49	3°21	2° 6	25°30	n.a.	T 26
F 27	2 6 29	0♏29'59	2♓14	22°54	13°44	11°51	16°51	20°45	10°31	29°26	9°51	3°23	2° 3	25°37	n.a.	F 27
S 28	2 10 26	1°30'52	14° 2	24°29	14°45	12°38	16°53	20°51	10°31	29°25	9°54	3°25	2° 0	25°44	n.a.	S 28
S 29	2 14 22	2°31'47	25°49	26° 4	15°47	13°24	16°55	20°57	10°30	29°25	9°56	3°26	1°56	25°50	n.a.	S 29
M30	2 18 19	3°32'42	7♈38	27°38	16°49	14°11	16°56	21° 3	10°30	29°24	9°58	3°R26	1°53	25°57	n.a.	M30
T 31	2 22 15	4♏33'39	19♈34	29♎13	17♍52	14♐57	16♋58	21♍ 9	10♋29	29♊23	10♏ 1	3♈25	1♈50	26♓ 4	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s43	6s28	1s30	7n22	1n51	12n55	2s 2	19s33	1s 6	23n16	0n24	6n54	2n14	23n45	0n26	23n 3	0s40	4s 8	11n 5	1n26	1n23	3s48		n.a.
M 2	2 7	0 46	0 25	7 8	1 57	12 50	1 52	19 45	1 6	23 16	0 24	6 51	2 14	23 45	0 26	23 3	0 40	4 9	11 5	1 26	1 21	3 44		n.a.
T 3	2 31	4n58	0n40	6 50	2 2	12 44	1 43	19 57	1 7	23 15	0 24	6 48	2 14	23 45	0 26	23 3	0 40	4 10	11 4	1 26	1 20	3 41		n.a.
W 4	2 55	10 35	1 45	6 29	2 6	12 37	1 34	20 9	1 7	23 15	0 24	6 46	2 14	23 45	0 26	23 3	0 40	4 11	11 4	1 26	1 19	3 37		n.a.
T 5	3 19	15 51	2 45	6 4	2 8	12 30	1 26	20 21	1 7	23 14	0 25	6 43	2 14	23 45	0 26	23 3	0 40	4 11	11 4	1 26	1 17	3 34		n.a.
F 6	3 43	20 34	3 38	5 36	2 10	12 23	1 17	20 32	1 8	23 14	0 25	6 40	2 14	23 45	0 26	23 3	0 40	4 12	11 3	1 26	1 16	3 30		n.a.
S 7	4 7	24 30	4 22	5 6	2 10	12 14	1 9	20 43	1 8	23 13	0 25	6 38	2 14	23 45	0 26	23 3	0 40	4 13	11 3	1 26	1 15	3 27		n.a.
S 8	4 31	27 20	4 55	4 33	2 10	12 5	1 0	20 54	1 8	23 13	0 25	6 35	2 14	23 45	0 26	23 3	0 40	4 14	11 3	1 25	1 14	3 23		n.a.
M 9	4 55	28 50	5 13	3 59	2 9	11 55	0 52	21 5	1 9	23 12	0 25	6 33	2 14	23 45	0 26	23 3	0 40	4 15	11 3	1 25	1 12	3 20		n.a.
T 10	5 19	28 46	5 16	3 22	2 7	11 45	0 44	21 16	1 9	23 12	0 26	6 30	2 14	23 45	0 26	23 3	0 40	4 16	11 2	1 25	1 11	3 16		n.a.
W11	5 42	27 1	5 2	2 45	2 4	11 34	0 37	21 26	1 9	23 11	0 26	6 27	2 15	23 45	0 26	23 3	0 40	4 17	11 2	1 25	1 10	3 13		n.a.
T 12	6 6	23 36	4 31	2 6	2 1	11 23	0 29	21 36	1 10	23 11	0 26	6 25	2 15	23 45	0 26	23 3	0 40	4 18	11 2	1 25	1 9	3 9		n.a.
F 13	6 30	18 44	3 42	1 26	1 57	11 11	0 22	21 46	1 10	23 11	0 26	6 22	2 15	23 45	0 27	23 3	0 40	4 19	11 2	1 25	1 7	3 6		n.a.
S 14	6 53	12 39	2 37	0 46	1 53	10 58	0 14	21 56	1 10	23 10	0 26	6 20	2 15	23 45	0 27	23 3	0 40	4 19	11 2	1 26	1 6	3 3		n.a.
S 15	7 17	5 46	1 21	0 4	1 49	10 45	0 7	22 5	1 11	23 10	0 27	6 17	2 15	23 45	0 27	23 3	0 40	4 20	11 1	1 26	1 5	2 59		n.a.
M16	7 40	1s32	0s 1	0s38	1 44	10 32	0 0	22 15	1 11	23 10	0 27	6 15	2 15	23 45	0 27	23 3	0 40	4 21	11 1	1 26	1 3	2 56		n.a.
T 17	8 3	8 46	1 24	1 20	1 39	10 17	0n 6	22 24	1 11	23 9	0 27	6 12	2 15	23 45	0 27	23 3	0 40	4 22	11 1	1 26	1 2	2 52		n.a.
W18	8 26	15 27	2 40	2 3	1 33	10 3	0 13	22 33	1 11	23 9	0 27	6 10	2 16	23 45	0 27	23 3	0 40	4 23	11 1	1 25	1 1	2 49		n.a.
T 19	8 49	21 8	3 44	2 45	1 28	9 47	0 19	22 41	1 12	23 9	0 27	6 7	2 16	23 45	0 27	23 3	0 40	4 24	11 0	1 25	1 0	2 45		n.a.
F 20	9 12	25 26	4 32	3 28	1 22	9 32	0 26	22 50	1 12	23 9	0 28	6 5	2 16	23 45	0 27	23 3	0 40	4 25	11 0	1 23	0 58	2 42		n.a.
S 21	9 34	28 5	5 2	4 11	1 16	9 15	0 32	22 58	1 12	23 8	0 28	6 2	2 16	23 45	0 27	23 3	0 40	4 26	11 0	1 22	0 57	2 38		n.a.
S 22	9 57	28 58	5 15	4 54	1 10	8 59	0 38	23 6	1 12	23 8	0 28	6 0	2 16	23 45	0 27	23 3	0 40	4 26	11 0	1 21	0 56	2 35		n.a.
M23	10 19	28 12	5 11	5 37	1 3	8 41	0 43	23 13	1 12	23 8	0 28	5 57	2 16	23 45	0 27	23 3	0 40	4 27	11 0	1 21	0 54	2 31		n.a.
T 24	10 41	25 58	4 51	6 20	0 57	8 24	0 49	23 21	1 13	23 8	0 28	5 55	2 16	23 45	0 27	23 3	0 40	4 28	11 0	1 20	0 53	2 28		n.a.
W25	11 3	22 34	4 19	7 2	0 50	8 6	0 54	23 28	1 13	23 8	0 29	5 53	2 17	23 45	0 27	23 3	0 40	4 29	10 59	1 20	0 52	2 24		n.a.
T 26	11 25	18 17	3 35	7 44	0 44	7 47	1 0	23 35	1 13	23 8	0 29	5 50	2 17	23 45	0 27	23 3	0 40	4 30	10 59	1 21	0 51	2 21		n.a.
F 27	11 47	13 20	2 43	8 26	0 37	7 28	1 5	23 41	1 13	23 8	0 29	5 48	2 17	23 45	0 27	23 3	0 40	4 31	10 59	1 22	0 49	2 17		n.a.
S 28	12 8	7 58	1 45	9 8	0 30	7 9	1 10	23 48	1 13	23 8	0 29	5 46	2 17	23 45	0 27	23 3	0 40	4 32	10 59	1 22	0 48	2 14		n.a.
S 29	12 30	2 19	0 42	9 49	0 24	6 49	1 14	23 54	1 14	23 8	0 29	5 44	2 17	23 45	0 27	23 3	0 40	4 32	10 59	1 23	0 47	2 11		n.a.
M30	12 51	3n25	0n23	10 30	0 17	6 28	1 19	24 0	1 14	23 8	0 30	5 41	2 17	23 45	0 27	23 3	0 40	4 33	10 59	1 23	0 46	2 7		n.a.
T 31	13s12	9n 5	1n27	11s10	0n10	6n 8	1n23	24s 5	1s14	23n 8	0n30	5n39	2n18	23n45	0n27	23n 3	0s40	4s34	10n59	1n23	0n44	2s 4		n.a.

Julian Day Number = 1638054.5, Delta T = 03h38m01s
Ecliptic obliquity = 23°43'32, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'15, Lahiri = - 7°06'14 Julian Calendar 1 Oct. 229 BCE == Greg. Calendar 27 Sept. 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

NOVEMBER 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 26 12	5♏34'37	1♉37	0♏47	18♍55	15♐44	16♋59	21♍15	10°R28	29°R22	10♏ 3	3°R22	1♈47	26♓10	n.a.	W 1
T 2	2 30 8	6°35'35	13°50	2°22	19°58	16°30	17° 0	21°21	10♋28	29♊21	10° 5	3♈18	1°44	26°17	n.a.	T 2
F 3	2 34 5	7°36'35	26°14	3°56	21° 2	17°17	17° 0	21°26	10°27	29°20	10° 8	3°12	1°40	26°24	n.a.	F 3
S 4	2 38 2	8°37'36	8♊49	5°31	22° 6	18° 4	17° 1	21°32	10°26	29°20	10°10	3° 5	1°37	26°30	n.a.	S 4
S 5	2 41 58	9°38'39	21°37	7° 5	23°10	18°50	17° 1	21°38	10°25	29°19	10°12	2°59	1°34	26°37	n.a.	S 5
M 6	2 45 55	10°39'42	4♋38	8°39	24°15	19°37	17°R 2	21°43	10°24	29°18	10°15	2°53	1°31	26°44	n.a.	M 6
T 7	2 49 51	11°40'47	17°52	10°14	25°20	20°24	17° 2	21°49	10°24	29°17	10°17	2°49	1°28	26°50	n.a.	T 7
W 8	2 53 48	12°41'53	1♌21	11°48	26°26	21°10	17° 1	21°54	10°23	29°16	10°19	2°47	1°25	26°57	n.a.	W 8
T 9	2 57 44	13°43'00	15° 5	13°22	27°31	21°57	17° 1	22° 0	10°21	29°15	10°22	2°D46	1°21	27° 3	n.a.	T 9
F 10	3 1 41	14°44'08	29° 4	14°57	28°37	22°44	17° 0	22° 5	10°20	29°13	10°24	2°47	1°18	27°10	n.a.	F 10
S 11	3 5 37	15°45'17	13♍19	16°31	29°43	23°31	17° 0	22°10	10°19	29°12	10°26	2°48	1°15	27°17	n.a.	S 11
S 12	3 9 34	16°46'27	27°47	18° 6	0♎50	24°18	16°59	22°16	10°18	29°11	10°29	2°R49	1°12	27°23	n.a.	S 12
M13	3 13 31	17°47'38	12♎26	19°40	1°56	25° 4	16°57	22°21	10°17	29°10	10°31	2°49	1° 9	27°30	n.a.	M13
T 14	3 17 27	18°48'49	27°11	21°15	3° 3	25°51	16°56	22°26	10°15	29° 9	10°33	2°47	1° 6	27°37	n.a.	T 14
W15	3 21 24	19°50'02	11♏54	22°50	4°10	26°38	16°54	22°31	10°14	29° 8	10°36	2°42	1° 2	27°43	n.a.	W15
T 16	3 25 20	20°51'15	26°28	24°25	5°18	27°25	16°53	22°36	10°13	29° 6	10°38	2°35	0°59	27°50	n.a.	T 16
F 17	3 29 17	21°52'29	10♐47	26° 0	6°25	28°12	16°51	22°40	10°11	29° 5	10°40	2°27	0°56	27°57	n.a.	F 17
S 18	3 33 13	22°53'44	24°44	27°35	7°33	28°59	16°48	22°45	10°10	29° 4	10°43	2°18	0°53	28° 3	n.a.	S 18
S 19	3 37 10	23°54'58	8♑16	29°11	8°41	29°46	16°46	22°50	10° 8	29° 3	10°45	2°10	0°50	28°10	n.a.	S 19
M20	3 41 7	24°56'13	21°23	0♐46	9°49	0♑33	16°43	22°54	10° 7	29° 1	10°47	2° 3	0°46	28°17	n.a.	M20
T 21	3 45 3	25°57'28	4♒ 5	2°22	10°57	1°20	16°41	22°59	10° 5	29° 0	10°50	1°58	0°43	28°23	n.a.	T 21
W22	3 49 0	26°58'43	16°26	3°58	12° 6	2° 7	16°38	23° 3	10° 3	28°59	10°52	1°55	0°40	28°30	n.a.	W22
T 23	3 52 56	27°59'58	28°30	5°34	13°15	2°55	16°35	23° 8	10° 2	28°57	10°54	1°D55	0°37	28°37	n.a.	T 23
F 24	3 56 53	29° 1'13	10♓24	7°10	14°24	3°42	16°31	23°12	10° 0	28°56	10°56	1°55	0°34	28°43	n.a.	F 24
S 25	4 0 49	0♐ 2'28	22°12	8°47	15°33	4°29	16°28	23°16	9°58	28°54	10°59	1°56	0°31	28°50	n.a.	S 25
S 26	4 4 46	1° 3'43	3♈59	10°23	16°42	5°16	16°24	23°20	9°56	28°53	11° 1	1°R56	0°27	28°56	n.a.	S 26
M27	4 8 42	2° 4'58	15°51	12° 0	17°51	6° 3	16°20	23°24	9°55	28°51	11° 3	1°55	0°24	29° 3	n.a.	M27
T 28	4 12 39	3° 6'13	27°51	13°36	19° 1	6°50	16°16	23°28	9°53	28°50	11° 5	1°52	0°21	29°10	n.a.	T 28
W29	4 16 36	4° 7'27	10♉ 4	15°13	20°10	7°37	16°12	23°32	9°51	28°48	11° 7	1°46	0°18	29°16	n.a.	W29
T 30	4 20 32	5♐ 8'42	22♉30	16♐50	21♎20	8♑24	16♋ 7	23♍36	9♋49	28♊47	11♏10	1♈37	0♈15	29♓23	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13 s32	14n29	2n28	11 s50	0n 4	5n47	1n28	24 s11	1 s14	23n 8	0n30	5n37	2n18	23n45	0n27	23n 3	0 s40	4 s35	10n59	1n21	0n43	2 s 0		n.a.
T 2	13 53	19 24	3 23	12 29	0 s 3	5 25	1 32	24 16	1 14	23 8	0 30	5 35	2 18	23 46	0 27	23 3	0 40	4 36	10 58	1 20	0 42	1 57		n.a.
F 3	14 13	23 34	4 9	13 8	0 10	5 4	1 36	24 20	1 14	23 8	0 30	5 33	2 18	23 46	0 27	23 3	0 40	4 36	10 58	1 17	0 40	1 53		n.a.
S 4	14 33	26 42	4 44	13 46	0 16	4 42	1 40	24 25	1 14	23 8	0 31	5 31	2 18	23 46	0 27	23 3	0 40	4 37	10 58	1 15	0 39	1 50		n.a.
S 5	14 52	28 31	5 5	14 24	0 23	4 19	1 43	24 29	1 14	23 8	0 31	5 28	2 18	23 46	0 27	23 3	0 40	4 38	10 58	1 12	0 38	1 46		n.a.
M 6	15 12	28 49	5 11	15 1	0 29	3 56	1 47	24 33	1 14	23 8	0 31	5 26	2 19	23 46	0 27	23 3	0 40	4 39	10 58	1 10	0 37	1 43		n.a.
T 7	15 31	27 28	5 0	15 37	0 35	3 33	1 50	24 37	1 15	23 9	0 31	5 24	2 19	23 46	0 27	23 3	0 40	4 40	10 58	1 8	0 35	1 39		n.a.
W 8	15 50	24 32	4 33	16 13	0 41	3 10	1 53	24 40	1 15	23 9	0 32	5 22	2 19	23 46	0 27	23 3	0 40	4 40	10 58	1 7	0 34	1 36		n.a.
T 9	16 9	20 10	3 50	16 48	0 48	2 47	1 56	24 43	1 15	23 9	0 32	5 20	2 19	23 46	0 27	23 3	0 40	4 41	10 58	1 7	0 33	1 32		n.a.
F 10	16 27	14 38	2 53	17 22	0 54	2 23	1 59	24 46	1 15	23 9	0 32	5 18	2 19	23 46	0 27	23 3	0 40	4 42	10 58	1 7	0 31	1 29		n.a.
S 11	16 45	8 14	1 44	17 55	0 59	1 59	2 2	24 49	1 15	23 10	0 32	5 17	2 20	23 46	0 27	23 3	0 40	4 43	10 58	1 8	0 30	1 25		n.a.
S 12	17 3	1 18	0 27	18 28	1 5	1 34	2 5	24 51	1 15	23 10	0 32	5 15	2 20	23 47	0 27	23 3	0 40	4 43	10 58	1 8	0 29	1 22		n.a.
M13	17 20	5 s46	0 s52	19 0	1 11	1 10	2 7	24 53	1 15	23 11	0 33	5 13	2 20	23 47	0 27	23 3	0 40	4 44	10 58	1 8	0 28	1 18		n.a.
T 14	17 38	12 34	2 8	19 31	1 16	0 45	2 10	24 54	1 15	23 11	0 33	5 11	2 20	23 47	0 28	23 3	0 40	4 45	10 58	1 7	0 26	1 15		n.a.
W15	17 54	18 40	3 15	20 1	1 21	0 20	2 12	24 56	1 15	23 11	0 33	5 9	2 21	23 47	0 28	23 3	0 40	4 46	10 58	1 5	0 25	1 11		n.a.
T 16	18 11	23 37	4 9	20 30	1 26	0 s 5	2 14	24 57	1 15	23 12	0 33	5 7	2 21	23 47	0 28	23 3	0 40	4 46	10 58	1 2	0 24	1 8		n.a.
F 17	18 27	27 2	4 46	20 58	1 31	0 30	2 16	24 58	1 15	23 12	0 34	5 6	2 21	23 47	0 28	23 3	0 40	4 47	10 57	0 59	0 23	1 4		n.a.
S 18	18 43	28 41	5 4	21 24	1 36	0 56	2 17	24 58	1 15	23 13	0 34	5 4	2 21	23 47	0 28	23 3	0 40	4 48	10 57	0 55	0 21	1 1		n.a.
S 19	18 59	28 32	5 5	21 50	1 40	1 21	2 19	24 58	1 15	23 13	0 34	5 2	2 21	23 48	0 28	23 3	0 40	4 49	10 57	0 52	0 20	0 57		n.a.
M20	19 14	26 46	4 50	22 15	1 44	1 47	2 21	24 58	1 15	23 14	0 34	5 1	2 22	23 48	0 28	23 3	0 40	4 49	10 57	0 49	0 19	0 54		n.a.
T 21	19 29	23 41	4 20	22 39	1 48	2 13	2 22	24 58	1 15	23 14	0 34	4 59	2 22	23 48	0 28	23 3	0 40	4 50	10 57	0 47	0 17	0 50		n.a.
W22	19 43	19 35	3 40	23 1	1 52	2 39	2 23	24 57	1 15	23 15	0 35	4 57	2 22	23 48	0 28	23 3	0 40	4 51	10 57	0 46	0 16	0 47		n.a.
T 23	19 57	14 47	2 50	23 22	1 55	3 5	2 24	24 56	1 15	23 16	0 35	4 56	2 22	23 48	0 28	23 3	0 40	4 51	10 58	0 46	0 15	0 44		n.a.
F 24	20 11	9 30	1 53	23 42	1 58	3 31	2 25	24 55	1 15	23 16	0 35	4 54	2 23	23 48	0 28	23 3	0 40	4 52	10 58	0 46	0 14	0 40		n.a.
S 25	20 24	3 56	0 52	24 1	2 1	3 57	2 26	24 53	1 15	23 17	0 35	4 53	2 23	23 48	0 28	23 3	0 40	4 53	10 58	0 47	0 12	0 37		n.a.
S 26	20 37	1n46	0n11	24 18	2 3	4 23	2 27	24 52	1 14	23 18	0 36	4 52	2 23	23 49	0 28	23 3	0 40	4 53	10 58	0 47	0 11	0 33		n.a.
M27	20 50	7 26	1 14	24 34	2 5	4 49	2 27	24 49	1 14	23 18	0 36	4 50	2 23	23 49	0 28	23 3	0 40	4 54	10 58	0 46	0 10	0 30		n.a.
T 28	21 2	12 55	2 14	24 48	2 7	5 15	2 28	24 47	1 14	23 19	0 36	4 49	2 24	23 49	0 28	23 3	0 40	4 54	10 58	0 45	0 8	0 26		n.a.
W29	21 13	17 59	3 9	25 1	2 8	5 42	2 28	24 44	1 14	23 20	0 36	4 47	2 24	23 49	0 28	23 3	0 40	4 55	10 58	0 43	0 7	0 23		n.a.
T 30	21 s25	22n24	3n56	25 s12	2 s 9	6 s 8	2n28	24 s41	1 s14	23n20	0n36	4n46	2n24	23n49	0n28	23n 3	0 s40	4 s56	10n58	0n39	0n 6	0 s19		n.a.

Julian Day Number = 1638085.5, Delta T = 03h38m00s
Ecliptic obliquity = 23°43'32, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'10, Lahiri = - 7°06'10 Julian Calendar 1 Nov. 229 BCE == Greg. Calendar 28 Oct. 229 BCE

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ASTRODIENST EPHEMERIS for the year 229 BCE
geocentric

DECEMBER 229 BCE (-228) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 24 29	6♐ 9'57	5♊12	18♐26	22♎30	9♑11	16°R 3	23♍40	9°R47	28°R45	11♏12	1°R26	0♈12	29♓30	n.a.	F 1
S 2	4 28 25	7°11'11	18° 9	20° 2	23°40	9°59	15♋58	23°43	9♋45	28♊44	11°14	1♈14	0° 8	29°36	n.a.	S 2
S 3	4 32 22	8°12'26	1♋20	21°38	24°50	10°46	15°53	23°47	9°43	28°42	11°16	1° 2	0° 5	29°43	n.a.	S 3
M 4	4 36 18	9°13'41	14°43	23°14	26° 1	11°33	15°48	23°50	9°40	28°41	11°18	0°51	0° 2	29°50	n.a.	M 4
T 5	4 40 15	10°14'55	28°17	24°49	27°11	12°20	15°43	23°54	9°38	28°39	11°20	0°42	29♓59	29°56	n.a.	T 5
W 6	4 44 12	11°16'10	11♌59	26°23	28°22	13° 7	15°38	23°57	9°36	28°38	11°23	0°36	29°56	0♈ 3	n.a.	W 6
T 7	4 48 8	12°17'24	25°49	27°57	29°33	13°54	15°32	24° 0	9°34	28°36	11°25	0°33	29°52	0°10	n.a.	T 7
F 8	4 52 5	13°18'39	9♍46	29°29	0♏43	14°42	15°26	24° 3	9°32	28°34	11°27	0°D32	29°49	0°16	n.a.	F 8
S 9	4 56 1	14°19'53	23°49	0♑59	1°54	15°29	15°21	24° 6	9°29	28°33	11°29	0°R32	29°46	0°23	n.a.	S 9
S 10	4 59 58	15°21'08	7♎59	2°28	3° 5	16°16	15°15	24° 9	9°27	28°31	11°31	0°32	29°43	0°29	n.a.	S 10
M11	5 3 54	16°22'22	22°13	3°55	4°16	17° 3	15° 8	24°12	9°25	28°29	11°33	0°30	29°40	0°36	n.a.	M11
T 12	5 7 51	17°23'36	6♏31	5°19	5°28	17°50	15° 2	24°14	9°22	28°28	11°35	0°26	29°37	0°43	n.a.	T 12
W13	5 11 47	18°24'50	20°47	6°40	6°39	18°37	14°56	24°17	9°20	28°26	11°37	0°19	29°33	0°49	n.a.	W13
T 14	5 15 44	19°26'04	4♐57	7°57	7°50	19°25	14°49	24°20	9°18	28°24	11°39	0° 9	29°30	0°56	n.a.	T 14
F 15	5 19 41	20°27'17	18°57	9° 9	9° 2	20°12	14°43	24°22	9°15	28°23	11°41	29♓57	29°27	1° 3	n.a.	F 15
S 16	5 23 37	21°28'29	2♑41	10°17	10°13	20°59	14°36	24°24	9°13	28°21	11°43	29°44	29°24	1° 9	n.a.	S 16
S 17	5 27 34	22°29'41	16° 6	11°19	11°25	21°46	14°29	24°26	9°10	28°19	11°45	29°31	29°21	1°16	n.a.	S 17
M18	5 31 30	23°30'52	29° 9	12°14	12°37	22°33	14°22	24°28	9° 8	28°18	11°46	29°20	29°18	1°23	n.a.	M18
T 19	5 35 27	24°32'02	11♒50	13° 1	13°49	23°20	14°15	24°30	9° 5	28°16	11°48	29°11	29°14	1°29	n.a.	T 19
W20	5 39 23	25°33'11	24°12	13°40	15° 0	24° 8	14° 8	24°32	9° 3	28°14	11°50	29° 5	29°11	1°36	n.a.	W20
T 21	5 43 20	26°34'19	6♓18	14° 9	16°12	24°55	14° 0	24°34	9° 0	28°13	11°52	29° 2	29° 8	1°43	n.a.	T 21
F 22	5 47 16	27°35'26	18°12	14°29	17°24	25°42	13°53	24°36	8°58	28°11	11°54	29° 1	29° 5	1°49	n.a.	F 22
S 23	5 51 13	28°36'32	0♈ 1	14°R38	18°36	26°29	13°46	24°37	8°55	28° 9	11°55	29° 1	29° 2	1°56	n.a.	S 23
S 24	5 55 10	29°37'36	11°48	14°35	19°48	27°16	13°38	24°39	8°53	28° 8	11°57	29° 0	28°58	2° 3	n.a.	S 24
M25	5 59 6	0♑38'40	23°41	14°21	21° 1	28° 3	13°31	24°40	8°50	28° 6	11°59	28°59	28°55	2° 9	n.a.	M25
T 26	6 3 3	1°39'42	5♉44	13°56	22°13	28°50	13°23	24°41	8°48	28° 4	12° 1	28°55	28°52	2°16	n.a.	T 26
W27	6 6 59	2°40'43	18° 2	13°19	23°25	29°37	13°15	24°43	8°45	28° 2	12° 2	28°48	28°49	2°22	n.a.	W27
T 28	6 10 56	3°41'43	0♊38	12°32	24°37	0♒24	13° 7	24°44	8°42	28° 1	12° 4	28°39	28°46	2°29	n.a.	T 28
F 29	6 14 52	4°42'41	13°34	11°36	25°50	1°11	13° 0	24°45	8°40	27°59	12° 6	28°28	28°43	2°36	n.a.	F 29
S 30	6 18 49	5°43'39	26°50	10°33	27° 2	1°58	12°52	24°45	8°37	27°57	12° 7	28°15	28°39	2°42	n.a.	S 30
S 31	6 22 46	6♑44'35	10♋24	9♑24	28♏15	2♒45	12♋44	24♍46	8♋35	27♊56	12♏ 9	28♓ 2	28♓36	2♈49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s36	25n52	4n32	25s21	2s 9	6s34	2n28	24s38	1s14	23n21	0n37	4n45	2n24	23n49	0n28	23n 3	0s40	4s56	10n58	0n35	0n 5	0s16		n.a.
S 2	21 46	28 5	4 55	25 29	2 9	7 0	2 28	24 34	1 14	23 22	0 37	4 44	2 25	23 50	0 28	23 3	0 40	4 57	10 58	0 30	0 3	0 12		n.a.
S 3	21 56	28 45	5 2	25 35	2 8	7 26	2 28	24 30	1 14	23 23	0 37	4 43	2 25	23 50	0 28	23 3	0 40	4 57	10 58	0 25	0 2	0 9		n.a.
M 4	22 6	27 46	4 54	25 39	2 6	7 52	2 28	24 26	1 14	23 24	0 37	4 41	2 25	23 50	0 28	23 3	0 40	4 58	10 58	0 21	0 1	0 5		n.a.
T 5	22 15	25 8	4 28	25 42	2 5	8 18	2 28	24 22	1 13	23 24	0 37	4 40	2 25	23 50	0 28	23 3	0 40	4 58	10 58	0 17	0s 0	0 2		n.a.
W 6	22 24	21 2	3 48	25 42	2 2	8 44	2 27	24 17	1 13	23 25	0 38	4 39	2 26	23 50	0 28	23 3	0 40	4 59	10 58	0 15	0 2	0n 2		n.a.
T 7	22 32	15 46	2 53	25 41	1 59	9 10	2 27	24 12	1 13	23 26	0 38	4 38	2 26	23 51	0 28	23 3	0 40	5 0	10 58	0 13	0 3	0 5		n.a.
F 8	22 40	9 40	1 48	25 38	1 55	9 35	2 26	24 7	1 13	23 27	0 38	4 37	2 26	23 51	0 28	23 3	0 40	5 0	10 58	0 13	0 4	0 9		n.a.
S 9	22 48	3 1	0 36	25 33	1 50	10 1	2 25	24 1	1 13	23 28	0 38	4 36	2 26	23 51	0 28	23 3	0 40	5 1	10 59	0 13	0 6	0 12		n.a.
S 10	22 55	3s48	0s39	25 26	1 44	10 26	2 24	23 55	1 13	23 29	0 38	4 35	2 27	23 51	0 28	23 3	0 40	5 1	10 59	0 13	0 7	0 16		n.a.
M11	23 1	10 29	1 52	25 18	1 38	10 51	2 23	23 49	1 12	23 30	0 39	4 35	2 27	23 51	0 28	23 3	0 40	5 2	10 59	0 12	0 8	0 19		n.a.
T 12	23 7	16 39	2 58	25 8	1 31	11 16	2 22	23 43	1 12	23 31	0 39	4 34	2 27	23 52	0 28	23 3	0 40	5 2	10 59	0 11	0 9	0 23		n.a.
W13	23 13	21 54	3 53	24 56	1 22	11 41	2 21	23 36	1 12	23 31	0 39	4 33	2 28	23 52	0 28	23 3	0 40	5 2	10 59	0 8	0 11	0 26		n.a.
T 14	23 18	25 50	4 32	24 42	1 13	12 5	2 20	23 29	1 12	23 32	0 39	4 32	2 28	23 52	0 28	23 3	0 40	5 3	10 59	0 4	0 12	0 30		n.a.
F 15	23 23	28 9	4 55	24 27	1 3	12 30	2 18	23 22	1 12	23 33	0 39	4 31	2 28	23 52	0 28	23 3	0 40	5 3	10 59	0s 1	0 13	0 33		n.a.
S 16	23 27	28 42	5 0	24 11	0 51	12 54	2 17	23 14	1 11	23 34	0 40	4 31	2 28	23 52	0 28	23 3	0 40	5 4	10 59	0 7	0 15	0 37		n.a.
S 17	23 31	27 30	4 48	23 53	0 39	13 18	2 15	23 7	1 11	23 35	0 40	4 30	2 29	23 52	0 28	23 3	0 40	5 4	11 0	0 12	0 16	0 40		n.a.
M18	23 34	24 50	4 21	23 35	0 25	13 41	2 14	22 59	1 11	23 36	0 40	4 30	2 29	23 53	0 28	23 3	0 40	5 5	11 0	0 16	0 17	0 44		n.a.
T 19	23 37	21 0	3 42	23 16	0 11	14 4	2 12	22 50	1 11	23 37	0 40	4 29	2 29	23 53	0 28	23 3	0 40	5 5	11 0	0 20	0 18	0 47		n.a.
W20	23 39	16 20	2 53	22 56	0n 5	14 27	2 10	22 42	1 10	23 38	0 40	4 29	2 29	23 53	0 28	23 3	0 40	5 5	11 0	0 22	0 20	0 51		n.a.
T 21	23 41	11 7	1 57	22 37	0 21	14 50	2 8	22 33	1 10	23 39	0 41	4 28	2 30	23 53	0 28	23 3	0 40	5 6	11 0	0 23	0 21	0 54		n.a.
F 22	23 42	5 35	0 57	22 17	0 39	15 12	2 7	22 24	1 10	23 40	0 41	4 28	2 30	23 53	0 28	23 3	0 40	5 6	11 0	0 24	0 22	0 57		n.a.
S 23	23 43	0n 5	0n 5	21 58	0 57	15 34	2 5	22 15	1 10	23 41	0 41	4 27	2 30	23 54	0 28	23 3	0 40	5 7	11 1	0 24	0 23	1 1		n.a.
S 24	23 43	5 45	1 7	21 40	1 15	15 56	2 2	22 5	1 9	23 42	0 41	4 27	2 31	23 54	0 28	23 2	0 40	5 7	11 1	0 24	0 25	1 4		n.a.
M25	23 43	11 16	2 7	21 23	1 34	16 17	2 0	21 55	1 9	23 43	0 41	4 27	2 31	23 54	0 28	23 2	0 40	5 7	11 1	0 25	0 26	1 8		n.a.
T 26	23 43	16 26	3 1	21 7	1 52	16 38	1 58	21 45	1 9	23 44	0 41	4 26	2 31	23 54	0 28	23 2	0 40	5 8	11 1	0 26	0 27	1 11		n.a.
W27	23 42	21 3	3 48	20 53	2 11	16 59	1 56	21 35	1 8	23 45	0 42	4 26	2 31	23 54	0 28	23 2	0 40	5 8	11 1	0 29	0 29	1 15		n.a.
T 28	23 40	24 51	4 26	20 40	2 28	17 19	1 54	21 25	1 8	23 46	0 42	4 26	2 32	23 55	0 28	23 2	0 40	5 8	11 2	0 32	0 30	1 18		n.a.
F 29	23 38	27 30	4 50	20 29	2 44	17 39	1 51	21 14	1 8	23 47	0 42	4 26	2 32	23 55	0 28	23 2	0 40	5 8	11 2	0 37	0 31	1 22		n.a.
S 30	23 36	28 41	5 0	20 20	2 59	17 58	1 49	21 3	1 7	23 48	0 42	4 26	2 32	23 55	0 28	23 2	0 40	5 9	11 2	0 42	0 32	1 25		n.a.
S 31	23s33	28n11	4n53	20s12	3n12	18s17	1n46	20s52	1s 7	23n48	0n42	4n26	2n33	23n55	0n28	23n 2	0s40	5s 9	11n 2	0s48	0s34	1n29		n.a.

Julian Day Number = 1638115.5, Delta T = 03h37m59s
Ecliptic obliquity = 23°43'31, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'06, Lahiri = - 7°06'06 Julian Calendar 1 Dec. 229 BCE == Greg. Calendar 27 Nov. 229 BCE

The year -228 astronomical counting style corresponds to year 229 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

JANUARY 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 26 42	7♑45'30	24♋14	8°R11	29♏27	3♒32	12°R36	24♍47	8°R32	27°R54	12♏10	27°R50	28♓33	2♈56	n.a.	M 1
T 2	6 30 39	8°46'24	8♌14	6♑57	0♐40	4°19	12♋28	24°47	8♋29	27♊52	12°12	27♓40	28°30	3° 2	n.a.	T 2
W 3	6 34 35	9°47'16	22°21	5°44	1°52	5° 6	12°20	24°48	8°27	27°51	12°13	27°33	28°27	3° 9	n.a.	W 3
T 4	6 38 32	10°48'08	6♍31	4°33	3° 5	5°52	12°12	24°48	8°24	27°49	12°15	27°29	28°24	3°16	n.a.	T 4
F 5	6 42 28	11°48'58	20°41	3°27	4°18	6°39	12° 4	24°48	8°21	27°47	12°16	27°28	28°20	3°22	n.a.	F 5
S 6	6 46 25	12°49'48	4♎49	2°27	5°30	7°26	11°56	24°49	8°19	27°46	12°18	27°D27	28°17	3°29	n.a.	S 6
S 7	6 50 21	13°50'36	18°53	1°33	6°43	8°13	11°48	24°R49	8°16	27°44	12°19	27°R28	28°14	3°36	n.a.	S 7
M 8	6 54 18	14°51'23	2♏54	0°47	7°56	9° 0	11°40	24°48	8°14	27°43	12°20	27°26	28°11	3°42	n.a.	M 8
T 9	6 58 15	15°52'10	16°51	0° 9	9° 9	9°46	11°32	24°48	8°11	27°41	12°22	27°23	28° 8	3°49	n.a.	T 9
W10	7 2 11	16°52'55	0♐41	29♐39	10°22	10°33	11°24	24°48	8° 9	27°39	12°23	27°16	28° 4	3°56	n.a.	W10
T 11	7 6 8	17°53'39	14°24	29°17	11°34	11°20	11°16	24°48	8° 6	27°38	12°24	27° 7	28° 1	4° 2	n.a.	T 11
F 12	7 10 4	18°54'21	27°57	29° 3	12°47	12° 6	11° 9	24°47	8° 3	27°36	12°25	26°56	27°58	4° 9	n.a.	F 12
S 13	7 14 1	19°55'02	11♑18	28°D57	14° 0	12°53	11° 1	24°46	8° 1	27°35	12°27	26°44	27°55	4°15	n.a.	S 13
S 14	7 17 57	20°55'42	24°23	28°58	15°13	13°40	10°53	24°46	7°58	27°33	12°28	26°33	27°52	4°22	n.a.	S 14
M15	7 21 54	21°56'19	7♒12	29° 6	16°26	14°26	10°45	24°45	7°56	27°32	12°29	26°22	27°49	4°29	n.a.	M15
T 16	7 25 50	22°56'55	19°45	29°21	17°39	15°13	10°38	24°44	7°53	27°30	12°30	26°14	27°45	4°35	n.a.	T 16
W17	7 29 47	23°57'30	2♓ 2	29°41	18°52	15°59	10°30	24°43	7°51	27°29	12°31	26° 8	27°42	4°42	n.a.	W17
T 18	7 33 44	24°58'02	14° 6	0♑ 7	20° 5	16°46	10°22	24°42	7°48	27°27	12°32	26° 5	27°39	4°49	n.a.	T 18
F 19	7 37 40	25°58'32	26° 0	0°38	21°19	17°32	10°15	24°41	7°46	27°26	12°33	26°D 4	27°36	4°55	n.a.	F 19
S 20	7 41 37	26°59'01	7♈48	1°14	22°32	18°19	10° 8	24°39	7°43	27°24	12°34	26° 5	27°33	5° 2	n.a.	S 20
S 21	7 45 33	27°59'27	19°36	1°54	23°45	19° 5	10° 0	24°38	7°41	27°23	12°35	26° 6	27°30	5° 9	n.a.	S 21
M22	7 49 30	28°59'52	1♉28	2°38	24°58	19°51	9°53	24°36	7°39	27°22	12°36	26°R 6	27°26	5°15	n.a.	M22
T 23	7 53 26	0♒ 0'14	13°31	3°26	26°11	20°38	9°46	24°35	7°36	27°20	12°37	26° 5	27°23	5°22	n.a.	T 23
W24	7 57 23	1° 0'34	25°49	4°18	27°24	21°24	9°39	24°33	7°34	27°19	12°38	26° 2	27°20	5°29	n.a.	W24
T 25	8 1 19	2° 0'53	8♊27	5°12	28°37	22°10	9°32	24°31	7°32	27°17	12°38	25°56	27°17	5°35	n.a.	T 25
F 26	8 5 16	3° 1'09	21°28	6°10	29°50	22°57	9°25	24°29	7°29	27°16	12°39	25°49	27°14	5°42	n.a.	F 26
S 27	8 9 13	4° 1'23	4♋54	7°10	1♑ 4	23°43	9°18	24°27	7°27	27°15	12°40	25°41	27°10	5°49	n.a.	S 27
S 28	8 13 9	5° 1'35	18°43	8°13	2°17	24°29	9°12	24°25	7°25	27°14	12°41	25°32	27° 7	5°55	n.a.	S 28
M29	8 17 6	6° 1'45	2♌52	9°18	3°30	25°15	9° 5	24°23	7°23	27°12	12°41	25°23	27° 4	6° 2	n.a.	M29
T 30	8 21 2	7° 1'54	17°17	10°25	4°43	26° 1	8°59	24°21	7°20	27°11	12°42	25°17	27° 1	6° 8	n.a.	T 30
W31	8 24 59	8♒ 2'00	1♍52	11♑35	5♑57	26♒47	8♋53	24♍18	7♋18	27♊10	12♏43	25♓12	26♓58	6♈15	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23s30	25n57	4n29	20s 6	3n22	18s35	1n44	20s41	1s 7	23n49	0n42	4n26	2n33	23n55	0n29	23n 2	0s40	5s 9	11n 2	0s52	0s35	1n32			n.a.
T 2	23 26	22 6	3 49	20 2	3 31	18 53	1 41	20 29	1 6	23 50	0 43	4 26	2 33	23 55	0 29	23 2	0 40	5 9	11 3	0 56	0 36	1 36			n.a.
W 3	23 22	16 58	2 54	19 59	3 37	19 11	1 38	20 17	1 6	23 51	0 43	4 26	2 33	23 56	0 29	23 2	0 40	5 10	11 3	0 59	0 38	1 39			n.a.
T 4	23 17	10 54	1 48	19 59	3 40	19 28	1 36	20 5	1 6	23 52	0 43	4 26	2 34	23 56	0 29	23 2	0 40	5 10	11 3	1 1	0 39	1 43			n.a.
F 5	23 12	4 17	0 36	19 59	3 42	19 44	1 33	19 53	1 5	23 53	0 43	4 26	2 34	23 56	0 29	23 2	0 40	5 10	11 3	1 1	0 40	1 46			n.a.
S 6	23 6	2s32	0s39	20 2	3 40	20 0	1 30	19 41	1 5	23 54	0 43	4 27	2 34	23 56	0 29	23 2	0 40	5 10	11 3	1 1	0 41	1 50			n.a.
S 7	23 0	9 12	1 51	20 6	3 37	20 15	1 27	19 28	1 5	23 55	0 43	4 27	2 35	23 56	0 29	23 2	0 40	5 10	11 4	1 1	0 43	1 53			n.a.
M 8	22 53	15 23	2 56	20 11	3 33	20 30	1 24	19 15	1 4	23 55	0 43	4 27	2 35	23 56	0 29	23 2	0 40	5 11	11 4	1 2	0 44	1 57			n.a.
T 9	22 46	20 45	3 50	20 17	3 26	20 45	1 22	19 2	1 4	23 56	0 43	4 27	2 35	23 57	0 29	23 2	0 40	5 11	11 4	1 3	0 45	2 0			n.a.
W10	22 39	24 57	4 31	20 25	3 19	20 58	1 19	18 49	1 4	23 57	0 44	4 28	2 35	23 57	0 29	23 2	0 40	5 11	11 4	1 6	0 46	2 4			n.a.
T 11	22 31	27 41	4 55	20 33	3 10	21 11	1 16	18 36	1 3	23 58	0 44	4 28	2 36	23 57	0 29	23 2	0 40	5 11	11 5	1 9	0 48	2 7			n.a.
F 12	22 22	28 45	5 2	20 43	3 0	21 24	1 13	18 22	1 3	23 59	0 44	4 29	2 36	23 57	0 29	23 2	0 40	5 11	11 5	1 14	0 49	2 11			n.a.
S 13	22 14	28 6	4 53	20 53	2 50	21 36	1 10	18 9	1 2	23 59	0 44	4 29	2 36	23 57	0 29	23 2	0 40	5 11	11 5	1 19	0 50	2 14			n.a.
S 14	22 4	25 53	4 28	21 4	2 39	21 47	1 7	17 55	1 2	24 0	0 44	4 30	2 37	23 57	0 29	23 2	0 40	5 11	11 5	1 23	0 52	2 17			n.a.
M15	21 55	22 23	3 50	21 15	2 28	21 58	1 4	17 41	1 2	24 1	0 44	4 30	2 37	23 58	0 29	23 2	0 40	5 11	11 6	1 28	0 53	2 21			n.a.
T 16	21 45	17 56	3 1	21 26	2 17	22 8	1 1	17 26	1 1	24 2	0 44	4 31	2 37	23 58	0 29	23 2	0 40	5 12	11 6	1 31	0 54	2 24			n.a.
W17	21 34	12 49	2 5	21 38	2 5	22 18	0 58	17 12	1 1	24 2	0 44	4 32	2 37	23 58	0 29	23 2	0 40	5 12	11 6	1 33	0 55	2 28			n.a.
T 18	21 24	7 18	1 4	21 50	1 54	22 27	0 54	16 57	1 0	24 3	0 44	4 32	2 38	23 58	0 29	23 2	0 40	5 12	11 7	1 34	0 57	2 31			n.a.
F 19	21 12	1 37	0 0	22 1	1 42	22 35	0 51	16 43	1 0	24 4	0 44	4 33	2 38	23 58	0 29	23 2	0 40	5 12	11 7	1 35	0 58	2 35			n.a.
S 20	21 1	4n 5	1n 2	22 12	1 31	22 43	0 48	16 28	0 59	24 4	0 45	4 34	2 38	23 58	0 29	23 2	0 40	5 12	11 7	1 35	0 59	2 38			n.a.
S 21	20 49	9 39	2 3	22 23	1 19	22 49	0 45	16 13	0 59	24 5	0 45	4 35	2 39	23 59	0 29	23 2	0 40	5 12	11 7	1 34	1 1	2 42			n.a.
M22	20 36	14 54	2 58	22 34	1 8	22 56	0 42	15 58	0 59	24 6	0 45	4 36	2 39	23 59	0 29	23 2	0 40	5 12	11 8	1 34	1 2	2 45			n.a.
T 23	20 23	19 41	3 46	22 44	0 57	23 1	0 39	15 42	0 58	24 6	0 45	4 36	2 39	23 59	0 29	23 2	0 40	5 12	11 8	1 35	1 3	2 49			n.a.
W24	20 10	23 44	4 25	22 53	0 46	23 6	0 36	15 27	0 58	24 7	0 45	4 37	2 39	23 59	0 29	23 2	0 40	5 12	11 8	1 36	1 4	2 52			n.a.
T 25	19 57	26 47	4 53	23 2	0 35	23 10	0 33	15 11	0 57	24 8	0 45	4 38	2 40	23 59	0 29	23 2	0 40	5 12	11 8	1 38	1 6	2 56			n.a.
F 26	19 43	28 32	5 6	23 10	0 25	23 14	0 29	14 55	0 57	24 8	0 45	4 39	2 40	23 59	0 29	23 2	0 40	5 12	11 9	1 41	1 7	2 59			n.a.
S 27	19 29	28 40	5 3	23 17	0 15	23 17	0 26	14 40	0 56	24 9	0 45	4 40	2 40	23 59	0 29	23 2	0 40	5 12	11 9	1 44	1 8	3 3			n.a.
S 28	19 14	27 3	4 42	23 23	0 5	23 19	0 23	14 24	0 56	24 9	0 45	4 41	2 40	23 59	0 29	23 2	0 40	5 11	11 9	1 48	1 9	3 6			n.a.
M29	18 59	23 42	4 4	23 28	0s 5	23 21	0 20	14 8	0 55	24 10	0 45	4 43	2 41	24 0	0 29	23 2	0 40	5 11	11 10	1 51	1 11	3 10			n.a.
T 30	18 44	18 51	3 10	23 33	0 14	23 21	0 17	13 51	0 55	24 10	0 45	4 44	2 41	24 0	0 29	23 2	0 39	5 11	11 10	1 54	1 12	3 13			n.a.
W31	18s29	12n50	2n 3	23s36	0s23	23s21	0n14	13s35	0s54	24n11	0n45	4n45	2n41	24n 0	0n29	23n 2	0s39	5s11	11n10	1s56	1s13	3n16			n.a.

Julian Day Number = 1638146.5, Delta T = 03h37m58s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°13'02, Lahiri = - 7°06'02 Julian Calendar 1 Jan. 228 BCE == Greg. Calendar 28 Dec. 229 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

FEBRUARY 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 28 55	9♒ 2'04	16♍29	12♉46	7♉10	27♒33	8°R47	24°R16	7°R16	27°R 9	12♏43	25°R10	26♓55	6♈22	n.a.	T 1
F 2	8 32 52	10° 2'06	1♎ 2	14° 0	8°23	28°19	8♋41	24♍13	7♋14	27♊ 8	12°44	25°D10	26°51	6°28	n.a.	F 2
S 3	8 36 48	11° 2'07	15°28	15°15	9°36	29° 5	8°35	24°11	7°12	27° 6	12°44	25♓11	26°48	6°35	n.a.	S 3
S 4	8 40 45	12° 2'06	29°43	16°32	10°50	29°51	8°29	24° 8	7°10	27° 5	12°45	25°12	26°45	6°42	n.a.	S 4
M 5	8 44 42	13° 2'03	13♏45	17°51	12° 3	0♓36	8°24	24° 5	7° 8	27° 4	12°45	25°R13	26°42	6°48	n.a.	M 5
T 6	8 48 38	14° 1'59	27°34	19°11	13°16	1°22	8°19	24° 2	7° 6	27° 3	12°46	25°12	26°39	6°55	n.a.	T 6
W 7	8 52 35	15° 1'53	11♐ 9	20°32	14°30	2° 8	8°13	23°59	7° 4	27° 2	12°46	25° 9	26°36	7° 2	n.a.	W 7
T 8	8 56 31	16° 1'45	24°32	21°56	15°43	2°54	8° 8	23°56	7° 2	27° 1	12°46	25° 5	26°32	7° 8	n.a.	T 8
F 9	9 0 28	17° 1'36	7♉41	23°20	16°56	3°39	8° 4	23°53	7° 0	27° 0	12°47	24°59	26°29	7°15	n.a.	F 9
S 10	9 4 24	18° 1'24	20°37	24°46	18°10	4°25	7°59	23°50	6°59	26°59	12°47	24°52	26°26	7°22	n.a.	S 10
S 11	9 8 21	19° 1'11	3♒20	26°13	19°23	5°11	7°54	23°47	6°57	26°58	12°47	24°46	26°23	7°28	n.a.	S 11
M12	9 12 17	20° 0'55	15°51	27°42	20°37	5°56	7°50	23°43	6°55	26°57	12°47	24°40	26°20	7°35	n.a.	M12
T 13	9 16 14	21° 0'37	28° 9	29°12	21°50	6°42	7°46	23°40	6°53	26°57	12°47	24°36	26°16	7°42	n.a.	T 13
W14	9 20 11	22° 0'17	10♓17	0♒43	23° 3	7°27	7°42	23°36	6°52	26°56	12°47	24°33	26°13	7°48	n.a.	W14
T 15	9 24 7	22°59'55	22°14	2°16	24°17	8°12	7°38	23°33	6°50	26°55	12°48	24°D32	26°10	7°55	n.a.	T 15
F 16	9 28 4	23°59'31	4♈ 5	3°50	25°30	8°58	7°34	23°29	6°49	26°54	12°48	24°33	26° 7	8° 1	n.a.	F 16
S 17	9 32 0	24°59'04	15°53	5°25	26°44	9°43	7°31	23°25	6°47	26°53	12°R48	24°34	26° 4	8° 8	n.a.	S 17
S 18	9 35 57	25°58'35	27°41	7° 1	27°57	10°28	7°27	23°22	6°46	26°53	12°48	24°36	26° 1	8°15	n.a.	S 18
M19	9 39 53	26°58'03	9♉33	8°39	29°10	11°14	7°24	23°18	6°44	26°52	12°48	24°37	25°57	8°21	n.a.	M19
T 20	9 43 50	27°57'30	21°35	10°18	0♒24	11°59	7°21	23°14	6°43	26°51	12°48	24°38	25°54	8°28	n.a.	T 20
W21	9 47 46	28°56'53	3♊51	11°58	1°37	12°44	7°18	23°10	6°42	26°51	12°47	24°R39	25°51	8°35	n.a.	W21
T 22	9 51 43	29°56'15	16°26	13°40	2°50	13°29	7°16	23° 6	6°40	26°50	12°47	24°37	25°48	8°41	n.a.	T 22
F 23	9 55 40	0♓55'34	29°24	15°23	4° 4	14°14	7°13	23° 2	6°39	26°50	12°47	24°35	25°45	8°48	n.a.	F 23
S 24	9 59 36	1°54'51	12♋49	17° 7	5°17	14°59	7°11	22°58	6°38	26°49	12°47	24°33	25°42	8°55	n.a.	S 24
S 25	10 3 33	2°54'05	26°40	18°53	6°31	15°44	7° 9	22°54	6°37	26°49	12°47	24°29	25°38	9° 1	n.a.	S 25
M26	10 7 29	3°53'17	10♌56	20°40	7°44	16°29	7° 7	22°50	6°36	26°48	12°46	24°26	25°35	9° 8	n.a.	M26
T 27	10 11 26	4°52'26	25°34	22°28	8°58	17°13	7° 6	22°46	6°35	26°48	12°46	24°24	25°32	9°15	n.a.	T 27
W28	10 15 22	5♓51'34	10♍26	24♒18	10♒11	17♓58	7♋ 4	22♍41	6♋34	26♊47	12♏46	24♓23	25♓29	9♈21	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s13	6n 7	0n47	23s38	0s32	23s21	0n11	13s19	0s54	24n11	0n45	4n46	2n41	24n 0	0n29	23n 2	0s39	5s11	11n10	1s56	1s15	3n20		n.a.
F 2	17 57	0s54	0s32	23 39	0 40	23 20	0 8	13 2	0 53	24 12	0 45	4 47	2 42	24 0	0 29	23 2	0 39	5 11	11 11	1 56	1 16	3 23		n.a.
S 3	17 40	7 49	1 48	23 38	0 48	23 17	0 5	12 45	0 53	24 12	0 45	4 49	2 42	24 0	0 29	23 2	0 39	5 11	11 11	1 56	1 17	3 27		n.a.
S 4	17 23	14 15	2 56	23 37	0 56	23 15	0 2	12 29	0 52	24 12	0 45	4 50	2 42	24 0	0 29	23 2	0 39	5 11	11 11	1 56	1 18	3 30		n.a.
M 5	17 6	19 51	3 53	23 34	1 3	23 11	0s 1	12 12	0 52	24 13	0 46	4 51	2 42	24 0	0 29	23 2	0 39	5 11	11 12	1 55	1 20	3 34		n.a.
T 6	16 49	24 19	4 35	23 30	1 10	23 7	0 4	11 55	0 51	24 13	0 46	4 53	2 42	24 0	0 29	23 2	0 39	5 10	11 12	1 56	1 21	3 37		n.a.
W 7	16 31	27 21	5 1	23 24	1 17	23 3	0 7	11 38	0 51	24 14	0 46	4 54	2 43	24 1	0 29	23 2	0 39	5 10	11 12	1 57	1 22	3 41		n.a.
T 8	16 13	28 46	5 10	23 17	1 23	22 57	0 10	11 21	0 50	24 14	0 46	4 55	2 43	24 1	0 29	23 2	0 39	5 10	11 12	1 59	1 24	3 44		n.a.
F 9	15 55	28 32	5 3	23 9	1 29	22 51	0 13	11 4	0 50	24 14	0 46	4 57	2 43	24 1	0 29	23 2	0 39	5 10	11 13	2 1	1 25	3 48		n.a.
S 10	15 37	26 44	4 40	22 59	1 35	22 44	0 16	10 46	0 49	24 14	0 46	4 58	2 43	24 1	0 28	23 2	0 39	5 10	11 13	2 4	1 26	3 51		n.a.
S 11	15 18	23 35	4 3	22 48	1 40	22 37	0 18	10 29	0 49	24 15	0 46	5 0	2 43	24 1	0 28	23 2	0 39	5 9	11 13	2 6	1 27	3 55		n.a.
M12	14 59	19 23	3 15	22 35	1 45	22 28	0 21	10 12	0 48	24 15	0 46	5 1	2 44	24 1	0 28	23 2	0 39	5 9	11 14	2 8	1 29	3 58		n.a.
T 13	14 40	14 26	2 19	22 21	1 50	22 19	0 24	9 54	0 48	24 15	0 46	5 3	2 44	24 1	0 28	23 2	0 39	5 9	11 14	2 10	1 30	4 1		n.a.
W14	14 20	9 0	1 17	22 5	1 54	22 10	0 27	9 36	0 47	24 16	0 46	5 4	2 44	24 1	0 28	23 2	0 39	5 9	11 14	2 11	1 31	4 5		n.a.
T 15	14 1	3 18	0 13	21 48	1 57	22 0	0 29	9 19	0 47	24 16	0 46	5 6	2 44	24 1	0 28	23 2	0 39	5 9	11 14	2 12	1 32	4 8		n.a.
F 16	13 41	2n27	0n52	21 29	2 1	21 49	0 32	9 1	0 46	24 16	0 46	5 8	2 44	24 1	0 28	23 2	0 39	5 8	11 15	2 12	1 34	4 12		n.a.
S 17	13 21	8 5	1 55	21 8	2 3	21 37	0 34	8 43	0 46	24 16	0 46	5 9	2 45	24 1	0 28	23 2	0 39	5 8	11 15	2 11	1 35	4 15		n.a.
S 18	13 1	13 26	2 52	20 46	2 6	21 25	0 37	8 26	0 45	24 16	0 46	5 11	2 45	24 1	0 28	23 2	0 39	5 8	11 15	2 10	1 36	4 19		n.a.
M19	12 40	18 21	3 43	20 22	2 8	21 13	0 39	8 8	0 45	24 17	0 46	5 13	2 45	24 1	0 28	23 2	0 39	5 7	11 16	2 10	1 38	4 22		n.a.
T 20	12 20	22 37	4 24	19 57	2 9	20 59	0 42	7 50	0 44	24 17	0 46	5 14	2 45	24 2	0 28	23 2	0 39	5 7	11 16	2 9	1 39	4 26		n.a.
W21	11 59	25 59	4 54	19 30	2 11	20 45	0 44	7 32	0 44	24 17	0 46	5 16	2 45	24 2	0 28	23 2	0 39	5 7	11 16	2 9	1 40	4 29		n.a.
T 22	11 38	28 11	5 12	19 1	2 11	20 31	0 47	7 14	0 43	24 17	0 46	5 18	2 45	24 2	0 28	23 2	0 39	5 7	11 16	2 10	1 41	4 32		n.a.
F 23	11 16	28 57	5 14	18 30	2 12	20 16	0 49	6 56	0 42	24 17	0 46	5 19	2 46	24 2	0 28	23 2	0 39	5 6	11 17	2 10	1 43	4 36		n.a.
S 24	10 55	28 4	4 59	17 58	2 11	20 0	0 51	6 38	0 42	24 17	0 46	5 21	2 46	24 2	0 28	23 2	0 39	5 6	11 17	2 12	1 44	4 39		n.a.
S 25	10 34	25 26	4 27	17 24	2 11	19 44	0 53	6 20	0 41	24 17	0 46	5 23	2 46	24 2	0 28	23 2	0 39	5 6	11 17	2 13	1 45	4 43		n.a.
M26	10 12	21 10	3 37	16 49	2 9	19 27	0 55	6 1	0 41	24 18	0 46	5 25	2 46	24 2	0 28	23 3	0 39	5 5	11 18	2 14	1 46	4 46		n.a.
T 27	9 50	15 32	2 33	16 12	2 8	19 9	0 58	5 43	0 40	24 18	0 46	5 27	2 46	24 2	0 28	23 3	0 39	5 5	11 18	2 15	1 48	4 50		n.a.
W28	9s28	8n55	1n16	15s33	2s 5	18s51	1s 0	5s25	0s40	24n18	0n46	5n28	2n46	24n 2	0n28	23n 3	0s39	5s 5	11n18	2s16	1s49	4n53		n.a.

Julian Day Number = 1638177.5, Delta T = 03h37m57s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'58, Lahiri = - 7°05'57 Julian Calendar 1 Feb. 228 BCE == Greg. Calendar 28 Jan. 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

MARCH 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 19 19	6♓50'39	25♍26	26♒ 9	11♒24	18♓43	7°R 3	22°R37	6°R33	26°R47	12°R45	24°D22	25♓26	9♈28	n.a.	T 1
F 2	10 23 15	7°49'42	10♎24	28° 1	12°38	19°28	7♋ 2	22♍33	6♋32	26♊47	12♏45	24♓23	25°22	9°35	n.a.	F 2
S 3	10 27 12	8°48'43	25°14	29°55	13°51	20°12	7° 1	22°28	6°31	26°46	12°44	24°24	25°19	9°41	n.a.	S 3
S 4	10 31 8	9°47'42	9♏48	1♓50	15° 5	20°57	7° 0	22°24	6°30	26°46	12°44	24°25	25°16	9°48	n.a.	S 4
M 5	10 35 5	10°46'40	24° 3	3°46	16°18	21°41	7° 0	22°20	6°30	26°46	12°44	24°26	25°13	9°55	n.a.	M 5
T 6	10 39 2	11°45'35	7♐57	5°44	17°31	22°26	7° 0	22°15	6°29	26°46	12°43	24°R26	25°10	10° 1	n.a.	T 6
W 7	10 42 58	12°44'29	21°30	7°43	18°45	23°10	6°D59	22°11	6°28	26°45	12°42	24°26	25° 7	10° 8	n.a.	W 7
T 8	10 46 55	13°43'21	4♑43	9°44	19°58	23°55	6°59	22° 6	6°28	26°45	12°42	24°26	25° 3	10°14	n.a.	T 8
F 9	10 50 51	14°42'11	17°38	11°45	21°12	24°39	7° 0	22° 2	6°27	26°45	12°41	24°25	25° 0	10°21	n.a.	F 9
S 10	10 54 48	15°41'00	0♒17	13°48	22°25	25°23	7° 0	21°57	6°27	26°45	12°41	24°23	24°57	10°28	n.a.	S 10
S 11	10 58 44	16°39'46	12°42	15°52	23°39	26° 8	7° 1	21°53	6°26	26°45	12°40	24°22	24°54	10°34	n.a.	S 11
M12	11 2 41	17°38'31	24°56	17°57	24°52	26°52	7° 2	21°48	6°26	26°D45	12°39	24°21	24°51	10°41	n.a.	M12
T 13	11 6 37	18°37'13	7♓ 0	20° 2	26° 6	27°36	7° 3	21°44	6°26	26°45	12°38	24°21	24°47	10°48	n.a.	T 13
W14	11 10 34	19°35'53	18°57	22° 8	27°19	28°20	7° 4	21°39	6°25	26°45	12°38	24°D20	24°44	10°54	n.a.	W14
T 15	11 14 31	20°34'32	0♈48	24°15	28°32	29° 4	7° 5	21°34	6°25	26°45	12°37	24°20	24°41	11° 1	n.a.	T 15
F 16	11 18 27	21°33'08	12°37	26°21	29°46	29°48	7° 7	21°30	6°25	26°45	12°36	24°21	24°38	11° 8	n.a.	F 16
S 17	11 22 24	22°31'42	24°24	28°28	0♓59	0♈32	7° 8	21°25	6°25	26°45	12°35	24°21	24°35	11°14	n.a.	S 17
S 18	11 26 20	23°30'14	6♉13	0♈34	2°13	1°16	7°10	21°21	6°D25	26°46	12°34	24°21	24°32	11°21	n.a.	S 18
M19	11 30 17	24°28'44	18° 8	2°39	3°26	2° 0	7°12	21°16	6°25	26°46	12°33	24°R21	24°28	11°28	n.a.	M19
T 20	11 34 13	25°27'11	0♊11	4°43	4°40	2°43	7°15	21°12	6°25	26°46	12°32	24°21	24°25	11°34	n.a.	T 20
W21	11 38 10	26°25'37	12°27	6°46	5°53	3°27	7°17	21° 7	6°25	26°46	12°31	24°21	24°22	11°41	n.a.	W21
T 22	11 42 6	27°24'00	25° 0	8°48	7° 6	4°11	7°20	21° 3	6°25	26°47	12°30	24°D21	24°19	11°48	n.a.	T 22
F 23	11 46 3	28°22'21	7♋53	10°47	8°20	4°55	7°23	20°58	6°26	26°47	12°29	24°21	24°16	11°54	n.a.	F 23
S 24	11 50 0	29°20'40	21°10	12°44	9°33	5°38	7°26	20°54	6°26	26°48	12°28	24°21	24°13	12° 1	n.a.	S 24
S 25	11 53 56	0♈18'57	4♌54	14°39	10°47	6°22	7°29	20°49	6°26	26°48	12°27	24°22	24° 9	12° 8	n.a.	S 25
M26	11 57 53	1°17'11	19° 4	16°30	12° 0	7° 5	7°32	20°45	6°27	26°48	12°26	24°22	24° 6	12°14	n.a.	M26
T 27	12 1 49	2°15'24	3♍39	18°19	13°14	7°49	7°36	20°40	6°27	26°49	12°25	24°23	24° 3	12°21	n.a.	T 27
W28	12 5 46	3°13'34	18°35	20° 4	14°27	8°32	7°39	20°36	6°28	26°49	12°24	24°R23	24° 0	12°28	n.a.	W28
T 29	12 9 42	4°11'42	3♎43	21°46	15°40	9°15	7°43	20°31	6°28	26°50	12°23	24°23	23°57	12°34	n.a.	T 29
F 30	12 13 39	5° 9'49	18°56	23°24	16°54	9°58	7°47	20°27	6°29	26°51	12°22	24°22	23°53	12°41	n.a.	F 30
S 31	12 17 35	6♈ 7'53	4♏ 3	24♈58	18♓ 7	10♈42	7♋51	20♍23	6♋29	26♊51	12♏20	24♓21	23♓50	12♈47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	9s 6	1n45	0s 6	14s52	2s 3	18s33	1s 2	5s 7	0s39	24n18	0n46	5n30	2n46	24n 2	0n28	23n 3	0s39	5s 4	11n18	2s16	1s50	4n57			n.a.
F 2	8 44	5s31	1 28	14 10	1 59	18 14	1 3	4 49	0 39	24 18	0 46	5 32	2 46	24 2	0 28	23 3	0 39	5 4	11 19	2 15	1 52	5 0			n.a.
S 3	8 22	12 24	2 43	13 26	1 55	17 54	1 5	4 30	0 38	24 18	0 46	5 34	2 47	24 2	0 28	23 3	0 39	5 3	11 19	2 15	1 53	5 3			n.a.
S 4	7 59	18 29	3 46	12 40	1 51	17 34	1 7	4 12	0 37	24 18	0 46	5 36	2 47	24 2	0 28	23 3	0 38	5 3	11 19	2 15	1 54	5 7			n.a.
M 5	7 37	23 25	4 34	11 53	1 46	17 14	1 9	3 54	0 37	24 18	0 46	5 38	2 47	24 2	0 28	23 3	0 38	5 3	11 19	2 14	1 55	5 10			n.a.
T 6	7 14	26 53	5 4	11 4	1 41	16 53	1 10	3 35	0 36	24 18	0 46	5 39	2 47	24 2	0 28	23 3	0 38	5 2	11 20	2 14	1 57	5 14			n.a.
W 7	6 51	28 43	5 16	10 14	1 35	16 31	1 12	3 17	0 36	24 18	0 46	5 41	2 47	24 2	0 28	23 3	0 38	5 2	11 20	2 14	1 58	5 17			n.a.
T 8	6 29	28 50	5 12	9 22	1 28	16 10	1 14	2 59	0 35	24 18	0 46	5 43	2 47	24 2	0 28	23 3	0 38	5 1	11 20	2 14	1 59	5 21			n.a.
F 9	6 6	27 22	4 51	8 29	1 21	15 47	1 15	2 41	0 34	24 18	0 46	5 45	2 47	24 2	0 28	23 3	0 38	5 1	11 20	2 15	2 0	5 24			n.a.
S 10	5 43	24 31	4 17	7 34	1 14	15 24	1 16	2 22	0 34	24 18	0 46	5 47	2 47	24 2	0 28	23 3	0 38	5 1	11 21	2 15	2 2	5 27			n.a.
S 11	5 20	20 34	3 31	6 38	1 5	15 1	1 18	2 4	0 33	24 18	0 46	5 49	2 47	24 2	0 28	23 3	0 38	5 0	11 21	2 16	2 3	5 31			n.a.
M12	4 56	15 49	2 36	5 41	0 57	14 38	1 19	1 46	0 33	24 18	0 45	5 51	2 47	24 2	0 28	23 3	0 38	5 0	11 21	2 16	2 4	5 34			n.a.
T 13	4 33	10 31	1 35	4 43	0 48	14 14	1 20	1 27	0 32	24 18	0 45	5 52	2 47	24 2	0 28	23 3	0 38	4 59	11 21	2 16	2 6	5 38			n.a.
W14	4 10	4 53	0 30	3 44	0 38	13 49	1 22	1 9	0 32	24 17	0 45	5 54	2 47	24 2	0 28	23 3	0 38	4 59	11 22	2 16	2 7	5 41			n.a.
T 15	3 47	0n52	0n36	2 45	0 28	13 25	1 23	0 51	0 31	24 17	0 45	5 56	2 47	24 2	0 28	23 3	0 38	4 58	11 22	2 16	2 8	5 44			n.a.
F 16	3 23	6 34	1 40	1 44	0 18	13 0	1 24	0 33	0 30	24 17	0 45	5 58	2 47	24 2	0 28	23 3	0 38	4 58	11 22	2 16	2 9	5 48			n.a.
S 17	3 0	12 2	2 39	0 44	0 7	12 34	1 25	0 14	0 30	24 17	0 45	6 0	2 47	24 2	0 28	23 3	0 38	4 58	11 22	2 16	2 11	5 51			n.a.
S 18	2 37	17 5	3 32	0n17	0n 4	12 8	1 25	0n 4	0 29	24 17	0 45	6 2	2 47	24 2	0 28	23 3	0 38	4 57	11 22	2 16	2 12	5 55			n.a.
M19	2 13	21 32	4 17	1 17	0 15	11 42	1 26	0 22	0 29	24 17	0 45	6 4	2 47	24 2	0 28	23 3	0 38	4 57	11 23	2 16	2 13	5 58			n.a.
T 20	1 50	25 9	4 50	2 17	0 26	11 16	1 27	0 40	0 28	24 17	0 45	6 5	2 47	24 2	0 28	23 3	0 38	4 56	11 23	2 16	2 15	6 2			n.a.
W21	1 26	27 42	5 11	3 17	0 37	10 49	1 28	0 58	0 27	24 17	0 45	6 7	2 47	24 2	0 28	23 3	0 38	4 56	11 23	2 16	2 16	6 5			n.a.
T 22	1 3	28 55	5 18	4 16	0 48	10 22	1 28	1 16	0 27	24 16	0 45	6 9	2 47	24 2	0 28	23 3	0 38	4 55	11 23	2 16	2 17	6 8			n.a.
F 23	0 39	28 38	5 9	5 13	0 59	9 55	1 29	1 34	0 26	24 16	0 45	6 11	2 47	24 2	0 28	23 3	0 38	4 55	11 23	2 16	2 18	6 12			n.a.
S 24	0 16	26 42	4 44	6 10	1 10	9 27	1 29	1 52	0 26	24 16	0 45	6 13	2 47	24 2	0 28	23 3	0 38	4 54	11 24	2 16	2 20	6 15			n.a.
S 25	0n 8	23 10	4 2	7 4	1 21	9 0	1 30	2 10	0 25	24 16	0 45	6 14	2 47	24 2	0 28	23 3	0 38	4 54	11 24	2 16	2 21	6 19			n.a.
M26	0 31	18 11	3 4	7 57	1 31	8 32	1 30	2 28	0 24	24 16	0 45	6 16	2 47	24 2	0 28	23 3	0 38	4 53	11 24	2 16	2 22	6 22			n.a.
T 27	0 54	12 2	1 53	8 48	1 41	8 3	1 30	2 46	0 24	24 15	0 45	6 18	2 47	24 2	0 28	23 4	0 38	4 53	11 24	2 16	2 23	6 25			n.a.
W28	1 18	5 4	0 32	9 38	1 50	7 35	1 31	3 4	0 23	24 15	0 45	6 20	2 47	24 2	0 28	23 4	0 38	4 52	11 24	2 15	2 25	6 29			n.a.
T 29	1 41	2s17	0s52	10 24	1 59	7 6	1 31	3 22	0 23	24 15	0 45	6 21	2 47	24 2	0 28	23 4	0 38	4 52	11 24	2 15	2 26	6 32			n.a.
F 30	2 5	9 32	2 12	11 9	2 7	6 37	1 31	3 40	0 22	24 14	0 45	6 23	2 47	24 2	0 28	23 4	0 38	4 51	11 25	2 16	2 27	6 36			n.a.
S 31	2n28	16s12	3s23	11n51	2n14	6s 8	1s31	3n57	0s21	24n14	0n45	6n25	2n47	24n 2	0n28	23n 4	0s38	4s51	11n25	2s16	2s29	6n39			n.a.

Julian Day Number = 1638205.5, Delta T = 03h37m56s
Ecliptic obliquity = 23°43'32, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'54, Lahiri = - 7°05'54 Julian Calendar 1 March 228 BCE == Greg. Calendar 25 Feb. 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

APRIL 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 21 32	7♈ 5'56	18♏56	26♈28	19♓21	11♈25	7♋56	20°R18	6♋30	26♊52	12°R19	24°R20	23♓47	12♈54	n.a.	S 1
M 2	12 25 28	8° 3'58	3♐27	27°54	20°34	12° 8	8° 0	20♍14	6°31	26°53	12♏18	24♓18	23°44	13° 1	n.a.	M 2
T 3	12 29 25	9° 1'58	17°33	29°16	21°47	12°51	8° 5	20°10	6°32	26°53	12°17	24°17	23°41	13° 7	n.a.	T 3
W 4	12 33 22	9°59'57	1♑13	0♉34	23° 1	13°34	8°10	20° 6	6°33	26°54	12°15	24°16	23°38	13°14	n.a.	W 4
T 5	12 37 18	10°57'55	14°26	1°48	24°14	14°17	8°15	20° 2	6°33	26°55	12°14	24°D16	23°34	13°21	n.a.	T 5
F 6	12 41 15	11°55'51	27°17	2°57	25°28	15° 0	8°20	19°58	6°34	26°56	12°13	24°17	23°31	13°27	n.a.	F 6
S 7	12 45 11	12°53'45	9♒47	4° 1	26°41	15°43	8°25	19°54	6°35	26°57	12°11	24°18	23°28	13°34	n.a.	S 7
S 8	12 49 8	13°51'38	22° 2	5° 2	27°55	16°26	8°31	19°50	6°37	26°57	12°10	24°19	23°25	13°41	n.a.	S 8
M 9	12 53 4	14°49'30	4♓ 5	5°57	29° 8	17° 8	8°36	19°46	6°38	26°58	12° 9	24°21	23°22	13°47	n.a.	M 9
T 10	12 57 1	15°47'20	16° 0	6°48	0♈22	17°51	8°42	19°42	6°39	26°59	12° 7	24°22	23°19	13°54	n.a.	T 10
W11	13 0 57	16°45'09	27°50	7°34	1°35	18°34	8°48	19°38	6°40	27° 0	12° 6	24°R22	23°15	14° 1	n.a.	W11
T 12	13 4 54	17°42'56	9♈37	8°16	2°48	19°16	8°54	19°34	6°41	27° 1	12° 4	24°21	23°12	14° 7	n.a.	T 12
F 13	13 8 51	18°40'42	21°25	8°52	4° 2	19°59	9° 0	19°31	6°43	27° 2	12° 3	24°19	23° 9	14°14	n.a.	F 13
S 14	13 12 47	19°38'26	3♉15	9°24	5°15	20°41	9° 6	19°27	6°44	27° 3	12° 2	24°16	23° 6	14°21	n.a.	S 14
S 15	13 16 44	20°36'09	15° 9	9°51	6°29	21°24	9°13	19°23	6°45	27° 4	12° 0	24°12	23° 3	14°27	n.a.	S 15
M16	13 20 40	21°33'51	27°10	10°13	7°42	22° 6	9°19	19°20	6°47	27° 5	11°59	24° 7	22°59	14°34	n.a.	M16
T 17	13 24 37	22°31'30	9♊20	10°30	8°56	22°49	9°26	19°16	6°48	27° 7	11°57	24° 2	22°56	14°41	n.a.	T 17
W18	13 28 33	23°29'09	21°40	10°42	10° 9	23°31	9°33	19°13	6°50	27° 8	11°56	23°58	22°53	14°47	n.a.	W18
T 19	13 32 30	24°26'45	4♋15	10°49	11°22	24°13	9°40	19°10	6°52	27° 9	11°54	23°55	22°50	14°54	n.a.	T 19
F 20	13 36 26	25°24'21	17° 7	10°R52	12°36	24°55	9°47	19° 6	6°53	27°10	11°53	23°54	22°47	15° 1	n.a.	F 20
S 21	13 40 23	26°21'54	0♌19	10°49	13°49	25°38	9°55	19° 3	6°55	27°11	11°51	23°D54	22°44	15° 7	n.a.	S 21
S 22	13 44 20	27°19'26	13°54	10°43	15° 3	26°20	10° 2	19° 0	6°57	27°13	11°49	23°55	22°40	15°14	n.a.	S 22
M23	13 48 16	28°16'56	27°52	10°31	16°16	27° 2	10°10	18°57	6°59	27°14	11°48	23°56	22°37	15°21	n.a.	M23
T 24	13 52 13	29°14'25	12♍15	10°16	17°30	27°44	10°17	18°54	7° 0	27°15	11°46	23°57	22°34	15°27	n.a.	T 24
W25	13 56 9	0♉11'52	27° 0	9°57	18°43	28°26	10°25	18°51	7° 2	27°17	11°45	23°R58	22°31	15°34	n.a.	W25
T 26	14 0 6	1° 9'18	12♎ 2	9°34	19°57	29° 8	10°33	18°49	7° 4	27°18	11°43	23°56	22°28	15°40	n.a.	T 26
F 27	14 4 2	2° 6'43	27°12	9° 8	21°10	29°50	10°41	18°46	7° 6	27°20	11°42	23°54	22°24	15°47	n.a.	F 27
S 28	14 7 59	3° 4'06	12♏23	8°40	22°23	0♉31	10°49	18°43	7° 8	27°21	11°40	23°49	22°21	15°54	n.a.	S 28
S 29	14 11 55	4° 1'29	27°23	8° 9	23°37	1°13	10°57	18°41	7°10	27°22	11°38	23°43	22°18	16° 0	n.a.	S 29
M30	14 15 52	4♉58'51	12♐ 5	7♉37	24♈50	1♉55	11♋ 6	18♍38	7♋12	27♊24	11♏37	23♓37	22♓15	16♈ 7	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n51	21s48	4s18	12n31	2n21	5s39	1s31	4n15	0s21	24n14	0n45	6n26	2n47	24n 2	0n28	23n 4	0s38	4s50	11n25	2s17	2s30	6n42		n.a.
M 2	3 14	25 56	4 56	13 8	2 27	5 10	1 31	4 33	0 20	24 14	0 45	6 28	2 47	24 1	0 28	23 4	0 38	4 50	11 25	2 17	2 31	6 46		n.a.
T 3	3 37	28 21	5 14	13 43	2 32	4 41	1 30	4 50	0 19	24 13	0 45	6 29	2 47	24 1	0 28	23 4	0 37	4 49	11 25	2 18	2 32	6 49		n.a.
W 4	4 0	28 57	5 14	14 15	2 37	4 11	1 30	5 8	0 19	24 13	0 45	6 31	2 47	24 1	0 28	23 4	0 37	4 49	11 25	2 18	2 34	6 53		n.a.
T 5	4 23	27 51	4 57	14 44	2 40	3 41	1 30	5 25	0 18	24 13	0 45	6 33	2 47	24 1	0 28	23 4	0 37	4 48	11 25	2 18	2 35	6 56		n.a.
F 6	4 46	25 18	4 26	15 11	2 43	3 11	1 29	5 42	0 18	24 12	0 45	6 34	2 47	24 1	0 28	23 4	0 37	4 48	11 25	2 18	2 36	6 59		n.a.
S 7	5 9	21 34	3 42	15 35	2 45	2 41	1 29	6 0	0 17	24 12	0 45	6 36	2 47	24 1	0 28	23 4	0 37	4 47	11 26	2 18	2 37	7 3		n.a.
S 8	5 32	17 0	2 49	15 57	2 46	2 11	1 28	6 17	0 16	24 12	0 45	6 37	2 46	24 1	0 28	23 4	0 37	4 47	11 26	2 17	2 39	7 6		n.a.
M 9	5 55	11 49	1 50	16 16	2 45	1 41	1 28	6 34	0 16	24 11	0 45	6 39	2 46	24 1	0 28	23 4	0 37	4 46	11 26	2 16	2 40	7 10		n.a.
T 10	6 17	6 17	0 46	16 32	2 44	1 11	1 27	6 51	0 15	24 11	0 45	6 40	2 46	24 1	0 28	23 4	0 37	4 46	11 26	2 16	2 41	7 13		n.a.
W11	6 40	0 35	0n19	16 45	2 42	0 41	1 27	7 8	0 15	24 10	0 45	6 42	2 46	24 1	0 28	23 4	0 37	4 45	11 26	2 16	2 43	7 16		n.a.
T 12	7 2	5n 8	1 23	16 56	2 39	0 11	1 26	7 25	0 14	24 10	0 45	6 43	2 46	24 1	0 28	23 4	0 37	4 45	11 26	2 16	2 44	7 20		n.a.
F 13	7 24	10 40	2 23	17 4	2 35	0n19	1 25	7 42	0 13	24 9	0 45	6 44	2 46	24 1	0 28	23 4	0 37	4 44	11 26	2 17	2 45	7 23		n.a.
S 14	7 46	15 50	3 18	17 9	2 29	0 50	1 24	7 59	0 13	24 9	0 45	6 46	2 46	24 1	0 28	23 4	0 37	4 44	11 26	2 18	2 46	7 26		n.a.
S 15	8 8	20 27	4 4	17 12	2 23	1 20	1 23	8 15	0 12	24 8	0 44	6 47	2 46	24 1	0 28	23 4	0 37	4 43	11 26	2 20	2 48	7 30		n.a.
M16	8 30	24 17	4 39	17 12	2 16	1 50	1 22	8 32	0 12	24 8	0 44	6 48	2 45	24 0	0 28	23 5	0 37	4 43	11 26	2 22	2 49	7 33		n.a.
T 17	8 52	27 6	5 3	17 9	2 7	2 20	1 21	8 48	0 11	24 7	0 44	6 49	2 45	24 0	0 28	23 5	0 37	4 43	11 26	2 24	2 50	7 36		n.a.
W18	9 14	28 40	5 13	17 4	1 58	2 51	1 20	9 5	0 10	24 7	0 44	6 51	2 45	24 0	0 27	23 5	0 37	4 42	11 26	2 25	2 51	7 40		n.a.
T 19	9 35	28 47	5 8	16 57	1 47	3 21	1 19	9 21	0 10	24 6	0 44	6 52	2 45	24 0	0 27	23 5	0 37	4 42	11 26	2 26	2 53	7 43		n.a.
F 20	9 56	27 22	4 48	16 46	1 35	3 51	1 17	9 37	0 9	24 6	0 44	6 53	2 45	24 0	0 27	23 5	0 37	4 41	11 26	2 27	2 54	7 47		n.a.
S 21	10 18	24 25	4 12	16 34	1 23	4 21	1 16	9 53	0 8	24 5	0 44	6 54	2 45	24 0	0 27	23 5	0 37	4 41	11 26	2 27	2 55	7 50		n.a.
S 22	10 39	20 4	3 22	16 19	1 9	4 51	1 15	10 10	0 8	24 5	0 44	6 55	2 45	24 0	0 27	23 5	0 37	4 40	11 26	2 27	2 56	7 53		n.a.
M23	10 59	14 30	2 18	16 2	0 55	5 21	1 13	10 25	0 7	24 4	0 44	6 56	2 44	24 0	0 27	23 5	0 37	4 40	11 26	2 26	2 58	7 57		n.a.
T 24	11 20	8 1	1 4	15 42	0 40	5 50	1 12	10 41	0 7	24 3	0 44	6 57	2 44	24 0	0 27	23 5	0 37	4 39	11 26	2 26	2 59	8 0		n.a.
W25	11 41	0 57	0s17	15 21	0 24	6 20	1 10	10 57	0 6	24 3	0 44	6 58	2 44	23 59	0 27	23 5	0 37	4 39	11 26	2 26	3 0	8 3		n.a.
T 26	12 1	6s18	1 37	14 59	0 8	6 50	1 9	11 13	0 5	24 2	0 44	6 59	2 44	23 59	0 27	23 5	0 37	4 38	11 26	2 26	3 2	8 7		n.a.
F 27	12 21	13 15	2 51	14 34	0s 9	7 19	1 7	11 28	0 5	24 1	0 44	7 0	2 44	23 59	0 27	23 5	0 37	4 38	11 26	2 27	3 3	8 10		n.a.
S 28	12 41	19 26	3 53	14 9	0 26	7 48	1 6	11 44	0 4	24 1	0 44	7 1	2 43	23 59	0 27	23 5	0 37	4 37	11 26	2 29	3 4	8 13		n.a.
S 29	13 1	24 19	4 38	13 43	0 43	8 17	1 4	11 59	0 4	24 0	0 44	7 2	2 43	23 59	0 27	23 5	0 37	4 37	11 26	2 31	3 5	8 17		n.a.
M30	13n20	27s31	5s 4	13n16	1s 0	8n46	1s 2	12n14	0s 3	23n59	0n44	7n 3	2n43	23n59	0n27	23n 5	0s37	4s37	11n26	2s34	3s 7	8n20		n.a.

Julian Day Number = 1638236.5, Delta T = 03h37m55s
Ecliptic obliquity = 23°43'32, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'50, Lahiri = - 7°05'49 Julian Calendar 1 Apr. 228 BCE == Greg. Calendar 28 March 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

MAY 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 19 49	5♉56'12	26♐21	7°R 4	26♈ 4	2♉37	11♋14	18°R36	7♋15	27♊25	11°R35	23°R32	22♓12	16♈14	n.a.	T 1
W 2	14 23 45	6°53'32	10♑ 8	6♉30	27°17	3°18	11°23	18♍34	7°17	27°27	11♏34	23♓27	22° 9	16°20	n.a.	W 2
T 3	14 27 42	7°50'51	23°27	5°57	28°31	4° 0	11°32	18°31	7°19	27°29	11°32	23°25	22° 5	16°27	n.a.	T 3
F 4	14 31 38	8°48'10	6♒19	5°24	29°44	4°41	11°40	18°29	7°21	27°30	11°30	23°D24	22° 2	16°34	n.a.	F 4
S 5	14 35 35	9°45'28	18°49	4°52	0♉58	5°23	11°49	18°27	7°24	27°32	11°29	23°24	21°59	16°40	n.a.	S 5
S 6	14 39 31	10°42'46	1♓ 1	4°22	2°11	6° 4	11°58	18°25	7°26	27°33	11°27	23°25	21°56	16°47	n.a.	S 6
M 7	14 43 28	11°40'03	13° 0	3°55	3°25	6°46	12° 8	18°23	7°28	27°35	11°25	23°26	21°53	16°54	n.a.	M 7
T 8	14 47 24	12°37'19	24°50	3°30	4°38	7°27	12°17	18°22	7°31	27°37	11°24	23°R27	21°50	17° 0	n.a.	T 8
W 9	14 51 21	13°34'35	6♈37	3° 8	5°52	8° 8	12°26	18°20	7°33	27°38	11°22	23°26	21°46	17° 7	n.a.	W 9
T 10	14 55 18	14°31'50	18°24	2°50	7° 5	8°49	12°36	18°18	7°36	27°40	11°21	23°23	21°43	17°14	n.a.	T 10
F 11	14 59 14	15°29'04	0♉14	2°35	8°19	9°31	12°45	18°17	7°38	27°42	11°19	23°17	21°40	17°20	n.a.	F 11
S 12	15 3 11	16°26'18	12°10	2°25	9°32	10°12	12°55	18°16	7°41	27°44	11°17	23°10	21°37	17°27	n.a.	S 12
S 13	15 7 7	17°23'32	24°13	2°19	10°46	10°53	13° 5	18°14	7°44	27°45	11°16	23° 1	21°34	17°34	n.a.	S 13
M14	15 11 4	18°20'44	6♊25	2°D17	11°59	11°34	13°14	18°13	7°46	27°47	11°14	22°51	21°30	17°40	n.a.	M14
T 15	15 15 0	19°17'57	18°46	2°19	13°13	12°15	13°24	18°12	7°49	27°49	11°13	22°41	21°27	17°47	n.a.	T 15
W16	15 18 57	20°15'08	1♋19	2°27	14°26	12°56	13°34	18°11	7°52	27°51	11°11	22°31	21°24	17°54	n.a.	W16
T 17	15 22 53	21°12'19	14° 3	2°38	15°40	13°37	13°45	18°10	7°55	27°53	11° 9	22°24	21°21	18° 0	n.a.	T 17
F 18	15 26 50	22° 9'29	27° 2	2°55	16°54	14°18	13°55	18° 9	7°57	27°55	11° 8	22°19	21°18	18° 7	n.a.	F 18
S 19	15 30 47	23° 6'38	10♌15	3°16	18° 7	14°59	14° 5	18° 9	8° 0	27°56	11° 6	22°16	21°15	18°14	n.a.	S 19
S 20	15 34 43	24° 3'47	23°46	3°41	19°21	15°40	14°15	18° 8	8° 3	27°58	11° 5	22°D16	21°11	18°20	n.a.	S 20
M21	15 38 40	25° 0'55	7♍35	4°11	20°34	16°20	14°26	18° 7	8° 6	28° 0	11° 3	22°16	21° 8	18°27	n.a.	M21
T 22	15 42 36	25°58'02	21°45	4°46	21°48	17° 1	14°36	18° 7	8° 9	28° 2	11° 1	22°R16	21° 5	18°34	n.a.	T 22
W23	15 46 33	26°55'09	6♎13	5°25	23° 2	17°42	14°47	18° 7	8°12	28° 4	11° 0	22°16	21° 2	18°40	n.a.	W23
T 24	15 50 29	27°52'15	20°57	6° 8	24°15	18°22	14°58	18° 6	8°15	28° 6	10°58	22°13	20°59	18°47	n.a.	T 24
F 25	15 54 26	28°49'20	5♏52	6°55	25°29	19° 3	15° 9	18° 6	8°18	28° 8	10°57	22° 8	20°56	18°54	n.a.	F 25
S 26	15 58 23	29°46'26	20°51	7°47	26°42	19°43	15°19	18°D 6	8°21	28°10	10°55	22° 0	20°52	19° 0	n.a.	S 26
S 27	16 2 19	0♊43'31	5♐43	8°43	27°56	20°24	15°30	18° 6	8°24	28°12	10°54	21°51	20°49	19° 7	n.a.	S 27
M28	16 6 16	1°40'36	20°21	9°43	29°10	21° 4	15°41	18° 7	8°27	28°14	10°52	21°41	20°46	19°14	n.a.	M28
T 29	16 10 12	2°37'41	4♑38	10°46	0♊23	21°45	15°52	18° 7	8°30	28°16	10°51	21°31	20°43	19°20	n.a.	T 29
W30	16 14 9	3°34'47	18°27	11°54	1°37	22°25	16° 4	18° 7	8°34	28°18	10°49	21°23	20°40	19°27	n.a.	W30
T 31	16 18 5	4♊31'52	1♒50	13♉ 6	2♊51	23♉ 5	16♋15	18♍ 8	8♋37	28♊20	10♏48	21♓17	20♓36	19♈34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n40	28s50	5s 9	12n49	1s17	9n15	1s 0	12n29	0s 2	23n59	0n44	7n 3	2n43	23n59	0n27	23n 5	0s37	4s36	11n26	2s36	3s 8	8n23		n.a.
W 2	13 59	28 16	4 57	12 22	1 34	9 43	0 59	12 44	0 2	23 58	0 44	7 4	2 43	23 59	0 27	23 5	0 37	4 36	11 26	2 38	3 9	8 27		n.a.
T 3	14 18	26 4	4 29	11 56	1 50	10 11	0 57	12 59	0 1	23 57	0 44	7 5	2 42	23 58	0 27	23 5	0 37	4 35	11 26	2 39	3 10	8 30		n.a.
F 4	14 36	22 35	3 47	11 30	2 6	10 39	0 55	13 14	0 0	23 56	0 44	7 5	2 42	23 58	0 27	23 6	0 37	4 35	11 26	2 39	3 12	8 33		n.a.
S 5	14 55	18 9	2 56	11 5	2 21	11 7	0 53	13 28	0n 0	23 55	0 44	7 6	2 42	23 58	0 27	23 6	0 37	4 34	11 26	2 39	3 13	8 37		n.a.
S 6	15 13	13 5	1 58	10 42	2 35	11 35	0 51	13 43	0 1	23 55	0 44	7 7	2 42	23 58	0 27	23 6	0 36	4 34	11 26	2 39	3 14	8 40		n.a.
M 7	15 31	7 37	0 56	10 20	2 48	12 2	0 49	13 57	0 1	23 54	0 44	7 7	2 42	23 58	0 27	23 6	0 36	4 34	11 26	2 38	3 16	8 43		n.a.
T 8	15 49	1 57	0n 8	10 1	3 0	12 29	0 47	14 12	0 2	23 53	0 44	7 8	2 41	23 58	0 27	23 6	0 36	4 33	11 26	2 38	3 17	8 47		n.a.
W 9	16 6	3n44	1 11	9 43	3 11	12 56	0 45	14 26	0 3	23 52	0 44	7 8	2 41	23 58	0 27	23 6	0 36	4 33	11 26	2 38	3 18	8 50		n.a.
T 10	16 23	9 18	2 10	9 27	3 21	13 22	0 43	14 40	0 3	23 51	0 44	7 8	2 41	23 57	0 27	23 6	0 36	4 32	11 25	2 40	3 19	8 53		n.a.
F 11	16 40	14 34	3 5	9 15	3 29	13 48	0 41	14 54	0 4	23 50	0 44	7 9	2 41	23 57	0 27	23 6	0 36	4 32	11 25	2 42	3 21	8 57		n.a.
S 12	16 57	19 20	3 51	9 4	3 37	14 14	0 39	15 7	0 4	23 49	0 44	7 9	2 41	23 57	0 27	23 6	0 36	4 32	11 25	2 45	3 22	9 0		n.a.
S 13	17 14	23 22	4 28	8 56	3 43	14 39	0 36	15 21	0 5	23 48	0 44	7 10	2 40	23 57	0 27	23 6	0 36	4 31	11 25	2 48	3 23	9 3		n.a.
M14	17 30	26 26	4 53	8 51	3 48	15 4	0 34	15 34	0 6	23 47	0 44	7 10	2 40	23 57	0 27	23 6	0 36	4 31	11 25	2 52	3 24	9 7		n.a.
T 15	17 46	28 18	5 4	8 48	3 51	15 29	0 32	15 48	0 6	23 46	0 44	7 10	2 40	23 57	0 27	23 6	0 36	4 31	11 25	2 56	3 26	9 10		n.a.
W16	18 1	28 44	5 1	8 49	3 54	15 53	0 30	16 1	0 7	23 45	0 44	7 10	2 40	23 56	0 27	23 6	0 36	4 30	11 25	3 0	3 27	9 13		n.a.
T 17	18 17	27 40	4 44	8 51	3 55	16 17	0 27	16 14	0 7	23 44	0 44	7 10	2 39	23 56	0 27	23 6	0 36	4 30	11 25	3 3	3 28	9 17		n.a.
F 18	18 32	25 6	4 11	8 57	3 55	16 41	0 25	16 27	0 8	23 43	0 44	7 10	2 39	23 56	0 27	23 6	0 36	4 30	11 24	3 5	3 29	9 20		n.a.
S 19	18 46	21 10	3 25	9 4	3 55	17 4	0 23	16 40	0 9	23 42	0 44	7 11	2 39	23 56	0 27	23 6	0 36	4 29	11 24	3 6	3 31	9 23		n.a.
S 20	19 1	16 3	2 26	9 15	3 53	17 27	0 21	16 52	0 9	23 41	0 44	7 11	2 39	23 56	0 27	23 6	0 36	4 29	11 24	3 6	3 32	9 27		n.a.
M21	19 15	10 1	1 18	9 27	3 50	17 49	0 18	17 5	0 10	23 40	0 44	7 11	2 39	23 55	0 27	23 6	0 36	4 29	11 24	3 6	3 33	9 30		n.a.
T 22	19 29	3 21	0 3	9 42	3 47	18 11	0 16	17 17	0 10	23 38	0 44	7 10	2 38	23 55	0 27	23 7	0 36	4 29	11 24	3 6	3 35	9 33		n.a.
W23	19 42	3s37	1s14	10 0	3 42	18 32	0 14	17 29	0 11	23 37	0 44	7 10	2 38	23 55	0 27	23 7	0 36	4 28	11 23	3 6	3 36	9 36		n.a.
T 24	19 55	10 32	2 26	10 19	3 37	18 53	0 11	17 41	0 12	23 36	0 44	7 10	2 38	23 55	0 27	23 7	0 36	4 28	11 23	3 7	3 37	9 40		n.a.
F 25	20 8	16 56	3 30	10 40	3 31	19 13	0 9	17 53	0 12	23 35	0 44	7 10	2 38	23 55	0 27	23 7	0 36	4 28	11 23	3 9	3 38	9 43		n.a.
S 26	20 21	22 20	4 19	11 4	3 24	19 33	0 7	18 5	0 13	23 34	0 44	7 10	2 37	23 55	0 27	23 7	0 36	4 27	11 23	3 12	3 40	9 46		n.a.
S 27	20 33	26 17	4 51	11 29	3 16	19 52	0 4	18 17	0 13	23 32	0 44	7 10	2 37	23 54	0 27	23 7	0 36	4 27	11 23	3 16	3 41	9 50		n.a.
M28	20 45	28 24	5 2	11 56	3 8	20 11	0 2	18 28	0 14	23 31	0 44	7 9	2 37	23 54	0 27	23 7	0 36	4 27	11 22	3 20	3 42	9 53		n.a.
T 29	20 56	28 33	4 55	12 24	2 59	20 29	0n 1	18 39	0 15	23 30	0 44	7 9	2 37	23 54	0 27	23 7	0 36	4 27	11 22	3 24	3 43	9 56		n.a.
W30	21 7	26 53	4 30	12 54	2 50	20 47	0 3	18 50	0 15	23 28	0 44	7 9	2 36	23 54	0 27	23 7	0 36	4 27	11 22	3 27	3 45	10 0		n.a.
T 31	21n18	23s44	3s51	13n25	2s40	21n 4	0n 5	19n 1	0n16	23n27	0n44	7n 8	2n36	23n53	0n27	23n 7	0s36	4s26	11n22	3s30	3s46	10n 3		n.a.

Julian Day Number = 1638266.5, Delta T = 03h37m54s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'46, Lahiri = - 7°05'45 Julian Calendar 1 May 228 BCE == Greg. Calendar 27 Apr. 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

JUNE 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 22 2	5♊28'58	14♒45	14♉22	4♊ 4	23♉46	16♋26	18♍ 8	8♋40	28♊22	10°R47	21°R13	20♓33	19♈40	n.a.	F 1
S 2	16 25 58	6°26'03	27°16	15°41	5°18	24°26	16°37	18° 9	8°43	28°24	10♏45	21♓11	20°30	19°47	n.a.	S 2
S 3	16 29 55	7°23'10	9♓29	17° 4	6°32	25° 6	16°49	18°10	8°46	28°27	10°44	21°D11	20°27	19°54	n.a.	S 3
M 4	16 33 52	8°20'16	21°28	18°31	7°45	25°46	17° 0	18°10	8°50	28°29	10°42	21°R11	20°24	20° 0	n.a.	M 4
T 5	16 37 48	9°17'23	3♈19	20° 2	8°59	26°26	17°12	18°11	8°53	28°31	10°41	21°10	20°21	20° 7	n.a.	T 5
W 6	16 41 45	10°14'30	15° 6	21°36	10°13	27° 6	17°23	18°12	8°56	28°33	10°40	21° 8	20°17	20°14	n.a.	W 6
T 7	16 45 41	11°11'38	26°55	23°14	11°27	27°46	17°35	18°14	9° 0	28°35	10°38	21° 4	20°14	20°20	n.a.	T 7
F 8	16 49 38	12° 8'46	8♉50	24°55	12°40	28°26	17°47	18°15	9° 3	28°37	10°37	20°57	20°11	20°27	n.a.	F 8
S 9	16 53 34	13° 5'54	20°53	26°39	13°54	29° 6	17°59	18°16	9° 7	28°39	10°36	20°47	20° 8	20°34	n.a.	S 9
S 10	16 57 31	14° 3'03	3♊ 7	28°27	15° 8	29°46	18°10	18°18	9°10	28°42	10°34	20°35	20° 5	20°40	n.a.	S 10
M11	17 1 27	15° 0'12	15°32	0♊18	16°22	0♊26	18°22	18°19	9°13	28°44	10°33	20°22	20° 2	20°47	n.a.	M11
T 12	17 5 24	15°57'22	28°10	2°11	17°36	1° 6	18°34	18°21	9°17	28°46	10°32	20° 9	19°58	20°54	n.a.	T 12
W13	17 9 21	16°54'32	11♋ 0	4° 7	18°49	1°46	18°46	18°22	9°20	28°48	10°31	19°57	19°55	21° 0	n.a.	W13
T 14	17 13 17	17°51'43	24° 2	6° 6	20° 3	2°26	18°58	18°24	9°24	28°50	10°29	19°47	19°52	21° 7	n.a.	T 14
F 15	17 17 14	18°48'53	7♌15	8° 7	21°17	3° 5	19°10	18°26	9°27	28°53	10°28	19°40	19°49	21°14	n.a.	F 15
S 16	17 21 10	19°46'04	20°40	10° 9	22°31	3°45	19°23	18°28	9°31	28°55	10°27	19°36	19°46	21°20	n.a.	S 16
S 17	17 25 7	20°43'15	4♍17	12°13	23°45	4°25	19°35	18°30	9°34	28°57	10°26	19°34	19°42	21°27	n.a.	S 17
M18	17 29 3	21°40'27	18° 6	14°19	24°59	5° 4	19°47	18°32	9°38	28°59	10°25	19°34	19°39	21°34	n.a.	M18
T 19	17 33 0	22°37'38	2♎ 7	16°26	26°13	5°44	19°59	18°35	9°42	29° 1	10°24	19°34	19°36	21°40	n.a.	T 19
W20	17 36 57	23°34'50	16°22	18°33	27°27	6°23	20°12	18°37	9°45	29° 4	10°23	19°33	19°33	21°47	n.a.	W20
T 21	17 40 53	24°32'03	0♏47	20°40	28°40	7° 3	20°24	18°40	9°49	29° 6	10°22	19°29	19°30	21°54	n.a.	T 21
F 22	17 44 50	25°29'15	15°20	22°48	29°54	7°42	20°36	18°42	9°52	29° 8	10°21	19°24	19°27	22° 0	n.a.	F 22
S 23	17 48 46	26°26'29	29°56	24°55	1♋ 8	8°22	20°49	18°45	9°56	29°10	10°20	19°15	19°23	22° 7	n.a.	S 23
S 24	17 52 43	27°23'43	14♐28	27° 2	2°22	9° 1	21° 1	18°48	10° 0	29°12	10°19	19° 5	19°20	22°14	n.a.	S 24
M25	17 56 39	28°20'58	28°49	29° 9	3°36	9°40	21°14	18°50	10° 3	29°15	10°18	18°54	19°17	22°20	n.a.	M25
T 26	18 0 36	29°18'13	12♑53	1♋14	4°50	10°20	21°26	18°53	10° 7	29°17	10°17	18°43	19°14	22°27	n.a.	T 26
W27	18 4 32	0♋15'30	26°35	3°19	6° 4	10°59	21°39	18°56	10°10	29°19	10°16	18°33	19°11	22°34	n.a.	W27
T 28	18 8 29	1°12'47	9♒53	5°22	7°18	11°38	21°52	18°59	10°14	29°21	10°15	18°26	19° 8	22°40	n.a.	T 28
F 29	18 12 26	2°10'06	22°46	7°24	8°32	12°17	22° 4	19° 2	10°18	29°24	10°14	18°21	19° 4	22°47	n.a.	F 29
S 30	18 16 22	3♋ 7'26	5♓18	9♋25	9♋46	12♊56	22♋17	19♍ 6	10♋22	29♊26	10♏13	18♓19	19♓ 1	22♈54	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n28	19s29	3s 1	13n58	2s29	21n20	0n 8	19n12	0n16	23n26	0n44	7n 8	2n36	23n53	0n27	23n 7	0s36	4s26	11n21	3s31	3s47	10n 6		n.a.
S 2	21 38	14 29	2 3	14 31	2 19	21 36	0 10	19 23	0 17	23 24	0 44	7 7	2 36	23 53	0 27	23 7	0 36	4 26	11 21	3 32	3 48	10 9		n.a.
S 3	21 48	9 3	1 2	15 6	2 8	21 52	0 12	19 33	0 18	23 23	0 44	7 7	2 35	23 53	0 27	23 7	0 36	4 26	11 21	3 32	3 50	10 13		n.a.
M 4	21 58	3 24	0n 2	15 41	1 56	22 6	0 15	19 44	0 18	23 21	0 44	7 6	2 35	23 53	0 27	23 7	0 36	4 26	11 21	3 32	3 51	10 16		n.a.
T 5	22 6	2n19	1 4	16 17	1 44	22 21	0 17	19 54	0 19	23 20	0 44	7 6	2 35	23 52	0 27	23 7	0 36	4 26	11 20	3 32	3 52	10 19		n.a.
W 6	22 15	7 55	2 3	16 54	1 32	22 34	0 19	20 4	0 19	23 18	0 44	7 5	2 35	23 52	0 27	23 7	0 36	4 25	11 20	3 33	3 53	10 22		n.a.
T 7	22 23	13 15	2 57	17 30	1 20	22 47	0 22	20 13	0 20	23 17	0 44	7 4	2 34	23 52	0 27	23 7	0 36	4 25	11 20	3 35	3 55	10 26		n.a.
F 8	22 31	18 8	3 44	18 7	1 8	22 59	0 24	20 23	0 21	23 15	0 44	7 4	2 34	23 52	0 27	23 7	0 36	4 25	11 19	3 38	3 56	10 29		n.a.
S 9	22 39	22 23	4 21	18 44	0 56	23 11	0 26	20 33	0 21	23 14	0 44	7 3	2 34	23 51	0 27	23 7	0 36	4 25	11 19	3 42	3 57	10 32		n.a.
S 10	22 46	25 43	4 46	19 21	0 44	23 21	0 28	20 42	0 22	23 12	0 44	7 2	2 34	23 51	0 27	23 7	0 36	4 25	11 19	3 46	3 59	10 35		n.a.
M11	22 52	27 53	4 59	19 57	0 31	23 32	0 31	20 51	0 22	23 11	0 44	7 1	2 33	23 51	0 27	23 7	0 36	4 25	11 19	3 52	4 0	10 39		n.a.
T 12	22 58	28 40	4 57	20 32	0 19	23 41	0 33	21 0	0 23	23 9	0 44	7 0	2 33	23 51	0 27	23 7	0 36	4 25	11 18	3 57	4 1	10 42		n.a.
W13	23 4	27 55	4 40	21 6	0 7	23 50	0 35	21 9	0 24	23 7	0 44	6 59	2 33	23 50	0 27	23 7	0 36	4 25	11 18	4 2	4 2	10 45		n.a.
T 14	23 10	25 38	4 9	21 39	0n 4	23 58	0 37	21 17	0 24	23 6	0 44	6 59	2 33	23 50	0 27	23 8	0 36	4 25	11 18	4 5	4 4	10 48		n.a.
F 15	23 15	21 57	3 24	22 10	0 15	24 5	0 39	21 26	0 25	23 4	0 44	6 58	2 32	23 50	0 27	23 8	0 36	4 25	11 17	4 8	4 5	10 52		n.a.
S 16	23 20	17 5	2 26	22 40	0 26	24 12	0 41	21 34	0 25	23 2	0 44	6 57	2 32	23 50	0 27	23 8	0 36	4 25	11 17	4 10	4 6	10 55		n.a.
S 17	23 24	11 18	1 20	23 8	0 36	24 18	0 44	21 42	0 26	23 0	0 44	6 55	2 32	23 49	0 27	23 8	0 36	4 25	11 17	4 11	4 7	10 58		n.a.
M18	23 28	4 53	0 8	23 33	0 46	24 23	0 46	21 50	0 26	22 59	0 44	6 54	2 32	23 49	0 27	23 8	0 36	4 25	11 16	4 11	4 9	11 1		n.a.
T 19	23 31	1s52	1s 6	23 56	0 55	24 28	0 48	21 58	0 27	22 57	0 44	6 53	2 31	23 49	0 27	23 8	0 36	4 25	11 16	4 11	4 10	11 5		n.a.
W20	23 34	8 36	2 17	24 17	1 3	24 32	0 50	22 5	0 28	22 55	0 44	6 52	2 31	23 49	0 27	23 8	0 36	4 25	11 16	4 11	4 11	11 8		n.a.
T 21	23 37	14 59	3 19	24 35	1 11	24 35	0 51	22 13	0 28	22 53	0 44	6 51	2 31	23 48	0 27	23 8	0 36	4 25	11 15	4 13	4 12	11 11		n.a.
F 22	23 39	20 36	4 10	24 50	1 18	24 37	0 53	22 20	0 29	22 51	0 44	6 50	2 31	23 48	0 27	23 8	0 36	4 25	11 15	4 15	4 14	11 14		n.a.
S 23	23 41	25 0	4 44	25 2	1 25	24 38	0 55	22 27	0 29	22 49	0 44	6 48	2 31	23 48	0 27	23 8	0 36	4 25	11 14	4 18	4 15	11 18		n.a.
S 24	23 42	27 46	5 0	25 12	1 30	24 39	0 57	22 33	0 30	22 48	0 45	6 47	2 30	23 48	0 27	23 8	0 36	4 25	11 14	4 22	4 16	11 21		n.a.
M25	23 43	28 39	4 56	25 19	1 35	24 39	0 59	22 40	0 30	22 46	0 45	6 46	2 30	23 47	0 27	23 8	0 36	4 25	11 14	4 27	4 17	11 24		n.a.
T 26	23 43	27 39	4 35	25 22	1 39	24 39	1 1	22 47	0 31	22 44	0 45	6 44	2 30	23 47	0 27	23 8	0 36	4 25	11 13	4 31	4 19	11 27		n.a.
W27	23 43	24 59	3 58	25 24	1 43	24 37	1 2	22 53	0 32	22 42	0 45	6 43	2 30	23 47	0 27	23 8	0 36	4 25	11 13	4 35	4 20	11 30		n.a.
T 28	23 43	21 1	3 9	25 22	1 45	24 35	1 4	22 59	0 32	22 40	0 45	6 42	2 29	23 46	0 27	23 8	0 36	4 25	11 13	4 38	4 21	11 34		n.a.
F 29	23 42	16 9	2 11	25 18	1 47	24 32	1 5	23 5	0 33	22 38	0 45	6 40	2 29	23 46	0 27	23 8	0 35	4 25	11 12	4 40	4 22	11 37		n.a.
S 30	23n41	10s44	1s 8	25n12	1n49	24n28	1n 7	23n10	0n33	22n36	0n45	6n39	2n29	23n46	0n27	23n 8	0s35	4s25	11n12	4s41	4s24	11n40		n.a.

Julian Day Number = 1638297.5, Delta T = 03h37m53s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'41, Lahiri = - 7°05'41 Julian Calendar 1 June 228 BCE == Greg. Calendar 28 May 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

JULY 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 20 19	4♋ 4'46	17♓32	11♋24	11♋ 0	13♊35	22♋30	19♍ 9	10♋25	29♊28	10°R13	18°D18	18♓58	23♈ 0	n.a.	S 1
M 2	18 24 15	5° 2'08	29°32	13°22	12°14	14°14	22°42	19°12	10°29	29°30	10♏12	18°R18	18°55	23° 7	n.a.	M 2
T 3	18 28 12	5°59'32	11♈24	15°19	13°28	14°53	22°55	19°16	10°33	29°33	10°11	18♓18	18°52	23°14	n.a.	T 3
W 4	18 32 8	6°56'56	23°14	17°14	14°42	15°32	23° 8	19°20	10°36	29°35	10°10	18°17	18°48	23°20	n.a.	W 4
T 5	18 36 5	7°54'22	5♉ 5	19° 7	15°56	16°11	23°21	19°23	10°40	29°37	10°10	18°14	18°45	23°27	n.a.	T 5
F 6	18 40 1	8°51'50	17° 4	20°59	17°10	16°50	23°34	19°27	10°44	29°39	10° 9	18° 8	18°42	23°34	n.a.	F 6
S 7	18 43 58	9°49'19	29°13	22°49	18°24	17°29	23°47	19°31	10°47	29°41	10° 8	18° 0	18°39	23°40	n.a.	S 7
S 8	18 47 55	10°46'49	11♊37	24°38	19°38	18° 8	23°59	19°35	10°51	29°44	10° 8	17°50	18°36	23°47	n.a.	S 8
M 9	18 51 51	11°44'21	24°16	26°25	20°52	18°47	24°12	19°39	10°55	29°46	10° 7	17°39	18°33	23°54	n.a.	M 9
T 10	18 55 48	12°41'54	7♋11	28°10	22° 6	19°26	24°25	19°43	10°58	29°48	10° 7	17°28	18°29	24° 0	n.a.	T 10
W11	18 59 44	13°39'28	20°21	29°54	23°21	20° 5	24°38	19°47	11° 2	29°50	10° 6	17°17	18°26	24° 7	n.a.	W11
T 12	19 3 41	14°37'03	3♌45	1♌37	24°35	20°43	24°51	19°51	11° 6	29°52	10° 6	17° 9	18°23	24°14	n.a.	T 12
F 13	19 7 37	15°34'40	17°20	3°18	25°49	21°22	25° 4	19°55	11°10	29°55	10° 5	17° 3	18°20	24°20	n.a.	F 13
S 14	19 11 34	16°32'18	1♍ 6	4°57	27° 3	22° 1	25°17	20° 0	11°13	29°57	10° 5	17° 0	18°17	24°27	n.a.	S 14
S 15	19 15 31	17°29'57	14°59	6°35	28°17	22°39	25°30	20° 4	11°17	29°59	10° 5	16°D59	18°14	24°34	n.a.	S 15
M16	19 19 27	18°27'37	28°58	8°12	29°31	23°18	25°43	20° 9	11°21	0♋ 1	10° 4	16°59	18°10	24°40	n.a.	M16
T 17	19 23 24	19°25'18	13♎ 3	9°47	0♌45	23°56	25°56	20°13	11°24	0° 3	10° 4	17°R 0	18° 7	24°47	n.a.	T 17
W18	19 27 20	20°23'00	27°12	11°20	2° 0	24°35	26° 9	20°18	11°28	0° 5	10° 4	17° 0	18° 4	24°54	n.a.	W18
T 19	19 31 17	21°20'44	11♏24	12°52	3°14	25°13	26°22	20°23	11°32	0° 7	10° 4	16°58	18° 1	25° 0	n.a.	T 19
F 20	19 35 13	22°18'29	25°37	14°23	4°28	25°52	26°36	20°28	11°35	0° 9	10° 3	16°54	17°58	25° 7	n.a.	F 20
S 21	19 39 10	23°16'15	9♐48	15°52	5°42	26°30	26°49	20°32	11°39	0°12	10° 3	16°48	17°54	25°14	n.a.	S 21
S 22	19 43 6	24°14'02	23°53	17°19	6°56	27° 8	27° 2	20°37	11°43	0°14	10° 3	16°40	17°51	25°20	n.a.	S 22
M23	19 47 3	25°11'51	7♑49	18°45	8°10	27°47	27°15	20°42	11°46	0°16	10° 3	16°32	17°48	25°27	n.a.	M23
T 24	19 51 0	26° 9'42	21°30	20°10	9°25	28°25	27°28	20°47	11°50	0°18	10° 3	16°24	17°45	25°34	n.a.	T 24
W25	19 54 56	27° 7'34	4♒54	21°33	10°39	29° 3	27°41	20°53	11°54	0°20	10° 3	16°17	17°42	25°41	n.a.	W25
T 26	19 58 53	28° 5'27	18° 0	22°54	11°53	29°42	27°54	20°58	11°57	0°22	10°D 3	16°11	17°39	25°47	n.a.	T 26
F 27	20 2 49	29° 3'23	0♓45	24°13	13° 7	0♋20	28° 7	21° 3	12° 1	0°24	10° 3	16° 8	17°35	25°54	n.a.	F 27
S 28	20 6 46	0♌ 1'20	13°13	25°31	14°21	0°58	28°20	21° 8	12° 4	0°26	10° 3	16°D 7	17°32	26° 1	n.a.	S 28
S 29	20 10 42	0°59'19	25°25	26°47	15°35	1°36	28°33	21°14	12° 8	0°28	10° 3	16° 7	17°29	26° 7	n.a.	S 29
M30	20 14 39	1°57'20	7♈25	28° 2	16°50	2°14	28°46	21°19	12°11	0°30	10° 3	16° 9	17°26	26°14	n.a.	M30
T 31	20 18 35	2♌55'23	19♈18	29♌14	18♌ 4	2♋52	28♋59	21♍25	12♋15	0♋32	10♏ 3	16♓10	17♓23	26♈21	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n40	5s 3	0s 4	25n 3	1n49	24n24	1n 9	23n16	0n34	22n34	0n45	6n37	2n29	23n46	0n27	23n 8	0s35	4s25	11n11	4s41	4s25	11n43			n.a.
M 2	23 38	0n43	0n59	24 51	1 49	24 19	1 10	23 21	0 35	22 31	0 45	6 36	2 29	23 45	0 27	23 8	0 35	4 26	11 11	4 41	4 26	11 46			n.a.
T 3	23 35	6 24	2 0	24 38	1 49	24 13	1 11	23 26	0 35	22 29	0 45	6 34	2 28	23 45	0 27	23 8	0 35	4 26	11 11	4 41	4 27	11 50			n.a.
W 4	23 32	11 49	2 54	24 23	1 48	24 6	1 13	23 31	0 36	22 27	0 45	6 32	2 28	23 45	0 27	23 8	0 35	4 26	11 10	4 41	4 29	11 53			n.a.
T 5	23 29	16 51	3 42	24 5	1 46	23 59	1 14	23 36	0 36	22 25	0 45	6 31	2 28	23 44	0 27	23 8	0 35	4 26	11 10	4 43	4 30	11 56			n.a.
F 6	23 25	21 17	4 20	23 46	1 44	23 51	1 15	23 41	0 37	22 23	0 45	6 29	2 28	23 44	0 27	23 8	0 35	4 26	11 9	4 45	4 31	11 59			n.a.
S 7	23 21	24 53	4 47	23 25	1 41	23 42	1 16	23 45	0 37	22 21	0 45	6 27	2 27	23 44	0 27	23 8	0 35	4 27	11 9	4 48	4 33	12 2			n.a.
S 8	23 17	27 25	5 1	23 3	1 37	23 33	1 18	23 49	0 38	22 18	0 45	6 26	2 27	23 44	0 27	23 8	0 35	4 27	11 9	4 52	4 34	12 6			n.a.
M 9	23 12	28 36	5 1	22 39	1 34	23 23	1 19	23 53	0 38	22 16	0 45	6 24	2 27	23 43	0 27	23 8	0 35	4 27	11 8	4 56	4 35	12 9			n.a.
T 10	23 7	28 16	4 45	22 14	1 29	23 12	1 20	23 57	0 39	22 14	0 45	6 22	2 27	23 43	0 27	23 8	0 35	4 27	11 8	5 1	4 36	12 12			n.a.
W11	23 1	26 21	4 14	21 48	1 25	23 0	1 21	24 0	0 40	22 12	0 45	6 20	2 27	23 43	0 27	23 8	0 35	4 28	11 7	5 5	4 38	12 15			n.a.
T 12	22 55	22 56	3 29	21 20	1 20	22 48	1 22	24 4	0 40	22 9	0 45	6 18	2 26	23 42	0 27	23 8	0 35	4 28	11 7	5 8	4 39	12 18			n.a.
F 13	22 48	18 13	2 31	20 51	1 14	22 35	1 22	24 7	0 41	22 7	0 45	6 16	2 26	23 42	0 27	23 8	0 35	4 28	11 6	5 10	4 40	12 21			n.a.
S 14	22 41	12 31	1 24	20 22	1 9	22 21	1 23	24 10	0 41	22 5	0 45	6 14	2 26	23 42	0 27	23 8	0 35	4 28	11 6	5 12	4 41	12 25			n.a.
S 15	22 34	6 9	0 11	19 51	1 3	22 7	1 24	24 13	0 42	22 2	0 46	6 12	2 26	23 41	0 27	23 8	0 35	4 29	11 6	5 12	4 43	12 28			n.a.
M16	22 26	0s33	1s 4	19 20	0 56	21 52	1 24	24 16	0 42	22 0	0 46	6 11	2 26	23 41	0 27	23 8	0 35	4 29	11 5	5 12	4 44	12 31			n.a.
T 17	22 18	7 17	2 15	18 48	0 49	21 37	1 25	24 18	0 43	21 58	0 46	6 9	2 25	23 41	0 27	23 8	0 35	4 29	11 5	5 12	4 45	12 34			n.a.
W18	22 9	13 40	3 18	18 16	0 42	21 21	1 26	24 20	0 44	21 55	0 46	6 6	2 25	23 40	0 27	23 8	0 35	4 30	11 4	5 12	4 46	12 37			n.a.
T 19	22 1	19 22	4 9	17 43	0 35	21 4	1 26	24 22	0 44	21 53	0 46	6 4	2 25	23 40	0 27	23 8	0 35	4 30	11 4	5 12	4 48	12 40			n.a.
F 20	21 51	24 0	4 45	17 9	0 28	20 46	1 26	24 24	0 45	21 50	0 46	6 2	2 25	23 40	0 27	23 8	0 35	4 30	11 3	5 14	4 49	12 43			n.a.
S 21	21 42	27 11	5 4	16 35	0 20	20 28	1 27	24 26	0 45	21 48	0 46	6 0	2 25	23 40	0 27	23 8	0 35	4 31	11 3	5 16	4 50	12 47			n.a.
S 22	21 31	28 38	5 4	16 1	0 12	20 10	1 27	24 27	0 46	21 45	0 46	5 58	2 25	23 39	0 27	23 8	0 35	4 31	11 2	5 19	4 51	12 50			n.a.
M23	21 21	28 14	4 45	15 26	0 4	19 51	1 27	24 29	0 46	21 43	0 46	5 56	2 24	23 39	0 27	23 8	0 35	4 32	11 2	5 23	4 53	12 53			n.a.
T 24	21 10	26 7	4 11	14 52	0s 5	19 31	1 27	24 30	0 47	21 40	0 46	5 54	2 24	23 39	0 27	23 8	0 35	4 32	11 2	5 26	4 54	12 56			n.a.
W25	20 59	22 33	3 23	14 17	0 13	19 11	1 27	24 31	0 47	21 38	0 46	5 52	2 24	23 38	0 27	23 8	0 35	4 32	11 1	5 29	4 55	12 59			n.a.
T 26	20 47	17 56	2 26	13 42	0 22	18 50	1 27	24 32	0 48	21 35	0 46	5 49	2 24	23 38	0 27	23 8	0 35	4 33	11 1	5 31	4 56	13 2			n.a.
F 27	20 36	12 37	1 22	13 7	0 31	18 28	1 27	24 32	0 49	21 33	0 46	5 47	2 24	23 38	0 27	23 8	0 35	4 33	11 0	5 32	4 58	13 5			n.a.
S 28	20 23	6 55	0 16	12 33	0 40	18 7	1 27	24 32	0 49	21 30	0 46	5 45	2 24	23 37	0 27	23 8	0 35	4 34	11 0	5 32	4 59	13 9			n.a.
S 29	20 11	1 5	0n50	11 58	0 49	17 44	1 27	24 33	0 50	21 27	0 47	5 43	2 23	23 37	0 27	23 8	0 35	4 34	10 59	5 32	5 0	13 12			n.a.
M30	19 58	4n42	1 53	11 24	0 58	17 21	1 27	24 33	0 50	21 25	0 47	5 40	2 23	23 37	0 27	23 8	0 35	4 35	10 59	5 32	5 1	13 15			n.a.
T 31	19n44	10n15	2n50	10n50	1s 7	16n58	1n26	24n32	0n51	21n22	0n47	5n38	2n23	23n36	0n27	23n 8	0s35	4s35	10n58	5s31	5s 3	13n18			n.a.

Julian Day Number = 1638327.5, Delta T = 03h37m52s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'37, Lahiri = - 7°05'37 Julian Calendar 1 July 228 BCE == Greg. Calendar 27 June 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

AUGUST 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 22 32	3♌53'28	1♉ 8	0♍25	19♌18	3♋30	29♋13	21♍30	12♋18	0♋34	10♏ 3	16°R11	17♓20	26♈27	n.a.	W 1
T 2	20 26 29	4°51'35	13° 0	1°33	20°32	4° 8	29°26	21°36	12°22	0°36	10° 4	16♓11	17°16	26°34	n.a.	T 2
F 3	20 30 25	5°49'44	25° 1	2°40	21°46	4°46	29°39	21°41	12°25	0°37	10° 4	16° 9	17°13	26°41	n.a.	F 3
S 4	20 34 22	6°47'55	7♊13	3°44	23° 1	5°24	29°52	21°47	12°29	0°39	10° 4	16° 5	17°10	26°47	n.a.	S 4
S 5	20 38 18	7°46'09	19°41	4°45	24°15	6° 2	0♌ 5	21°53	12°32	0°41	10° 5	16° 0	17° 7	26°54	n.a.	S 5
M 6	20 42 15	8°44'24	2♋29	5°45	25°29	6°40	0°18	21°59	12°36	0°43	10° 5	15°54	17° 4	27° 1	n.a.	M 6
T 7	20 46 11	9°42'42	15°36	6°41	26°43	7°18	0°31	22° 5	12°39	0°45	10° 5	15°48	17° 0	27° 7	n.a.	T 7
W 8	20 50 8	10°41'01	29° 3	7°35	27°58	7°55	0°44	22°11	12°43	0°47	10° 6	15°42	16°57	27°14	n.a.	W 8
T 9	20 54 4	11°39'23	12♌48	8°26	29°12	8°33	0°57	22°17	12°46	0°49	10° 6	15°38	16°54	27°21	n.a.	T 9
F 10	20 58 1	12°37'46	26°49	9°13	0♍26	9°11	1°10	22°23	12°49	0°50	10° 7	15°35	16°51	27°27	n.a.	F 10
S 11	21 1 58	13°36'12	11♍ 0	9°57	1°40	9°49	1°23	22°29	12°53	0°52	10° 7	15°D34	16°48	27°34	n.a.	S 11
S 12	21 5 54	14°34'39	25°18	10°37	2°54	10°26	1°36	22°35	12°56	0°54	10° 8	15°34	16°45	27°41	n.a.	S 12
M13	21 9 51	15°33'07	9♎38	11°14	4° 9	11° 4	1°49	22°41	12°59	0°56	10° 8	15°35	16°41	27°47	n.a.	M13
T 14	21 13 47	16°31'38	23°58	11°46	5°23	11°42	2° 1	22°47	13° 2	0°57	10° 9	15°36	16°38	27°54	n.a.	T 14
W15	21 17 44	17°30'10	8♏13	12°13	6°37	12°19	2°14	22°54	13° 6	0°59	10°10	15°37	16°35	28° 1	n.a.	W15
T 16	21 21 40	18°28'44	22°23	12°36	7°51	12°57	2°27	23° 0	13° 9	1° 1	10°10	15°R38	16°32	28° 7	n.a.	T 16
F 17	21 25 37	19°27'20	6♐24	12°53	9° 5	13°34	2°40	23° 6	13°12	1° 2	10°11	15°37	16°29	28°14	n.a.	F 17
S 18	21 29 33	20°25'58	20°16	13° 5	10°20	14°12	2°53	23°13	13°15	1° 4	10°12	15°35	16°26	28°21	n.a.	S 18
S 19	21 33 30	21°24'37	3♑57	13°R10	11°34	14°49	3° 6	23°19	13°18	1° 5	10°13	15°32	16°22	28°27	n.a.	S 19
M20	21 37 27	22°23'18	17°26	13° 9	12°48	15°26	3°18	23°25	13°21	1° 7	10°13	15°28	16°19	28°34	n.a.	M20
T 21	21 41 23	23°22'01	0♒41	13° 2	14° 2	16° 4	3°31	23°32	13°24	1° 8	10°14	15°25	16°16	28°41	n.a.	T 21
W22	21 45 20	24°20'47	13°42	12°48	15°16	16°41	3°44	23°39	13°27	1°10	10°15	15°22	16°13	28°48	n.a.	W22
T 23	21 49 16	25°19'34	26°29	12°26	16°31	17°18	3°56	23°45	13°30	1°11	10°16	15°20	16°10	28°54	n.a.	T 23
F 24	21 53 13	26°18'23	9♓ 1	11°57	17°45	17°55	4° 9	23°52	13°33	1°13	10°17	15°19	16° 6	29° 1	n.a.	F 24
S 25	21 57 9	27°17'14	21°19	11°21	18°59	18°33	4°21	23°58	13°36	1°14	10°18	15°D19	16° 3	29° 8	n.a.	S 25
S 26	22 1 6	28°16'07	3♈26	10°38	20°13	19°10	4°34	24° 5	13°39	1°16	10°19	15°20	16° 0	29°14	n.a.	S 26
M27	22 5 2	29°15'03	15°24	9°49	21°27	19°47	4°46	24°12	13°42	1°17	10°20	15°21	15°57	29°21	n.a.	M27
T 28	22 8 59	0♍14'01	27°16	8°53	22°41	20°24	4°59	24°19	13°45	1°18	10°21	15°22	15°54	29°28	n.a.	T 28
W29	22 12 55	1°13'01	9♉ 5	7°52	23°55	21° 1	5°11	24°25	13°48	1°20	10°22	15°24	15°51	29°34	n.a.	W29
T 30	22 16 52	2°12'04	20°57	6°47	25° 9	21°38	5°24	24°32	13°50	1°21	10°23	15°24	15°47	29°41	n.a.	T 30
F 31	22 20 49	3♍11'09	2♊57	5♍40	26♍24	22♋15	5♌36	24♍39	13♋53	1♋22	10♏24	15°R25	15♓44	29♈48	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	19n31	15n26	3n40	10n16	1s17	16n34	1n26	24n32	0n51	21n19	0n47	5n36	2n23	23n36	0n27	23n 8	0s35	4s36	10n58	5s31	5s 4	13n21			n.a.
T 2	19 17	20 3	4 20	9 43	1 26	16 10	1 26	24 31	0 52	21 17	0 47	5 33	2 23	23 36	0 27	23 8	0 35	4 36	10 57	5 31	5 5	13 24			n.a.
F 3	19 2	23 55	4 50	9 10	1 36	15 45	1 25	24 31	0 52	21 14	0 47	5 31	2 23	23 35	0 27	23 8	0 35	4 37	10 57	5 32	5 6	13 27			n.a.
S 4	18 48	26 49	5 7	8 38	1 45	15 20	1 24	24 30	0 53	21 11	0 47	5 28	2 22	23 35	0 27	23 8	0 35	4 37	10 57	5 33	5 8	13 30			n.a.
S 5	18 33	28 28	5 10	8 6	1 55	14 55	1 24	24 29	0 54	21 9	0 47	5 26	2 22	23 35	0 27	23 8	0 35	4 38	10 56	5 35	5 9	13 33			n.a.
M 6	18 17	28 40	4 58	7 36	2 4	14 29	1 23	24 27	0 54	21 6	0 47	5 23	2 22	23 35	0 27	23 8	0 35	4 38	10 56	5 38	5 10	13 36			n.a.
T 7	18 2	27 16	4 30	7 6	2 13	14 2	1 22	24 26	0 55	21 3	0 47	5 21	2 22	23 34	0 27	23 8	0 35	4 39	10 55	5 40	5 11	13 40			n.a.
W 8	17 46	24 17	3 47	6 37	2 23	13 36	1 21	24 24	0 55	21 0	0 47	5 18	2 22	23 34	0 27	23 8	0 35	4 39	10 55	5 42	5 13	13 43			n.a.
T 9	17 30	19 52	2 49	6 10	2 32	13 9	1 20	24 22	0 56	20 58	0 48	5 16	2 22	23 34	0 27	23 8	0 35	4 40	10 54	5 44	5 14	13 46			n.a.
F 10	17 13	14 18	1 41	5 44	2 41	12 41	1 19	24 20	0 56	20 55	0 48	5 13	2 22	23 33	0 28	23 8	0 35	4 40	10 54	5 45	5 15	13 49			n.a.
S 11	16 56	7 55	0 25	5 19	2 50	12 13	1 18	24 18	0 57	20 52	0 48	5 11	2 22	23 33	0 28	23 8	0 35	4 41	10 53	5 46	5 16	13 52			n.a.
S 12	16 39	1 5	0s53	4 55	2 58	11 45	1 17	24 16	0 57	20 49	0 48	5 8	2 21	23 33	0 28	23 8	0 35	4 42	10 53	5 45	5 18	13 55			n.a.
M13	16 22	5s49	2 8	4 34	3 7	11 17	1 16	24 13	0 58	20 46	0 48	5 6	2 21	23 32	0 28	23 8	0 35	4 42	10 52	5 45	5 19	13 58			n.a.
T 14	16 4	12 25	3 15	4 14	3 15	10 48	1 15	24 11	0 59	20 43	0 48	5 3	2 21	23 32	0 28	23 8	0 35	4 43	10 52	5 44	5 20	14 1			n.a.
W15	15 46	18 21	4 10	3 57	3 22	10 19	1 13	24 8	0 59	20 41	0 48	5 0	2 21	23 32	0 28	23 8	0 35	4 44	10 52	5 44	5 21	14 4			n.a.
T 16	15 28	23 13	4 49	3 42	3 29	9 50	1 12	24 5	1 0	20 38	0 48	4 58	2 21	23 32	0 28	23 8	0 35	4 44	10 51	5 44	5 23	14 7			n.a.
F 17	15 10	26 43	5 10	3 29	3 36	9 21	1 11	24 1	1 0	20 35	0 48	4 55	2 21	23 31	0 28	23 8	0 35	4 45	10 51	5 44	5 24	14 10			n.a.
S 18	14 51	28 34	5 13	3 19	3 42	8 51	1 9	23 58	1 1	20 32	0 48	4 53	2 21	23 31	0 28	23 8	0 35	4 45	10 50	5 45	5 25	14 13			n.a.
S 19	14 32	28 38	4 58	3 12	3 47	8 21	1 7	23 54	1 1	20 29	0 49	4 50	2 21	23 31	0 28	23 8	0 35	4 46	10 50	5 46	5 26	14 16			n.a.
M20	14 13	26 59	4 27	3 9	3 51	7 51	1 6	23 51	1 2	20 26	0 49	4 47	2 21	23 30	0 28	23 8	0 35	4 47	10 49	5 48	5 28	14 19			n.a.
T 21	13 53	23 51	3 41	3 9	3 54	7 20	1 4	23 47	1 2	20 23	0 49	4 44	2 20	23 30	0 28	23 8	0 35	4 47	10 49	5 49	5 29	14 22			n.a.
W22	13 34	19 33	2 45	3 12	3 56	6 50	1 2	23 43	1 3	20 21	0 49	4 42	2 20	23 30	0 28	23 8	0 35	4 48	10 48	5 50	5 30	14 25			n.a.
T 23	13 14	14 26	1 42	3 20	3 57	6 19	1 1	23 38	1 3	20 18	0 49	4 39	2 20	23 29	0 28	23 8	0 35	4 49	10 48	5 51	5 31	14 28			n.a.
F 24	12 54	8 49	0 35	3 31	3 56	5 48	0 59	23 34	1 4	20 15	0 49	4 36	2 20	23 29	0 28	23 8	0 35	4 50	10 48	5 51	5 33	14 32			n.a.
S 25	12 34	2 58	0n33	3 47	3 54	5 17	0 57	23 29	1 5	20 12	0 49	4 34	2 20	23 29	0 28	23 8	0 35	4 50	10 47	5 51	5 34	14 35			n.a.
S 26	12 13	2n53	1 39	4 7	3 50	4 46	0 55	23 25	1 5	20 9	0 49	4 31	2 20	23 29	0 28	23 8	0 35	4 51	10 47	5 51	5 35	14 38			n.a.
M27	11 52	8 34	2 39	4 32	3 44	4 14	0 53	23 20	1 6	20 6	0 50	4 28	2 20	23 28	0 28	23 8	0 35	4 52	10 46	5 50	5 36	14 41			n.a.
T 28	11 31	13 54	3 32	5 0	3 36	3 43	0 51	23 15	1 6	20 3	0 50	4 25	2 20	23 28	0 28	23 8	0 35	4 52	10 46	5 50	5 38	14 44			n.a.
W29	11 10	18 43	4 15	5 32	3 26	3 11	0 49	23 10	1 7	20 0	0 50	4 23	2 20	23 28	0 28	23 8	0 35	4 53	10 45	5 49	5 39	14 47			n.a.
T 30	10 49	22 50	4 48	6 7	3 14	2 39	0 47	23 4	1 7	19 57	0 50	4 20	2 20	23 28	0 28	23 8	0 35	4 54	10 45	5 49	5 40	14 50			n.a.
F 31	10n27	26n 3	5n 9	6n45	3s 1	2n 8	0n44	22n59	1n 8	19n54	0n50	4n17	2n20	23n27	0n28	23n 8	0s35	4s55	10n45	5s49	5s41	14n53			n.a.

Julian Day Number = 1638358.5, Delta T = 03h37m51s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'33, Lahiri = - 7°05'33 Julian Calendar 1 Aug. 228 BCE == Greg. Calendar 28 July 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

SEPTEMBER 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 24 45	4♍10'17	15♊ 8	4°R31	27♍38	22♋52	5♌48	24♍46	13♋56	1♋23	10♏26	15°R24	15♓41	29♈54	n.a.	S 1
S 2	22 28 42	5° 9'27	27°35	3♍24	28°52	23°29	6° 0	24°53	13°59	1°25	10°27	15♓24	15°38	0♉ 1	n.a.	S 2
M 3	22 32 38	6° 8'40	10♋23	2°18	0♎ 6	24° 6	6°13	25° 0	14° 1	1°26	10°28	15°23	15°35	0° 8	n.a.	M 3
T 4	22 36 35	7° 7'55	23°33	1°17	1°20	24°43	6°25	25° 7	14° 4	1°27	10°29	15°22	15°32	0°14	n.a.	T 4
W 5	22 40 31	8° 7'12	7♌ 8	0°23	2°34	25°20	6°37	25°14	14° 6	1°28	10°31	15°21	15°28	0°21	n.a.	W 5
T 6	22 44 28	9° 6'32	21° 6	29♌35	3°48	25°56	6°49	25°21	14° 9	1°29	10°32	15°20	15°25	0°28	n.a.	T 6
F 7	22 48 24	10° 5'53	5♍25	28°57	5° 2	26°33	7° 1	25°28	14°11	1°30	10°33	15°20	15°22	0°34	n.a.	F 7
S 8	22 52 21	11° 5'17	20° 0	28°29	6°16	27°10	7°13	25°35	14°14	1°31	10°35	15°D20	15°19	0°41	n.a.	S 8
S 9	22 56 18	12° 4'43	4♎45	28°10	7°30	27°46	7°25	25°42	14°16	1°32	10°36	15°20	15°16	0°48	n.a.	S 9
M10	23 0 14	13° 4'11	19°33	28°D 3	8°44	28°23	7°36	25°49	14°18	1°33	10°38	15°20	15°12	0°54	n.a.	M10
T 11	23 4 11	14° 3'41	4♏16	28° 7	9°58	29° 0	7°48	25°56	14°21	1°34	10°39	15°20	15° 9	1° 1	n.a.	T 11
W12	23 8 7	15° 3'13	18°49	28°21	11°12	29°36	8° 0	26° 3	14°23	1°35	10°41	15°R20	15° 6	1° 8	n.a.	W12
T 13	23 12 4	16° 2'47	3♐ 7	28°45	12°26	0♌13	8°11	26°10	14°25	1°36	10°42	15°20	15° 3	1°15	n.a.	T 13
F 14	23 16 0	17° 2'23	17° 8	29°20	13°40	0°49	8°23	26°17	14°27	1°37	10°44	15°D20	15° 0	1°21	n.a.	F 14
S 15	23 19 57	18° 2'00	0♑51	0♍ 3	14°54	1°25	8°34	26°24	14°29	1°38	10°45	15°20	14°57	1°28	n.a.	S 15
S 16	23 23 53	19° 1'39	14°17	0°54	16° 8	2° 2	8°46	26°31	14°31	1°38	10°47	15°20	14°53	1°35	n.a.	S 16
M17	23 27 50	20° 1'21	27°25	1°53	17°22	2°38	8°57	26°38	14°34	1°39	10°48	15°21	14°50	1°41	n.a.	M17
T 18	23 31 47	21° 1'03	10♒18	2°59	18°36	3°14	9° 8	26°46	14°35	1°40	10°50	15°21	14°47	1°48	n.a.	T 18
W19	23 35 43	22° 0'48	22°58	4°10	19°50	3°51	9°20	26°53	14°37	1°41	10°52	15°22	14°44	1°55	n.a.	W19
T 20	23 39 40	23° 0'35	5♓25	5°26	21° 4	4°27	9°31	27° 0	14°39	1°41	10°53	15°22	14°41	2° 1	n.a.	T 20
F 21	23 43 36	24° 0'24	17°41	6°47	22°18	5° 3	9°42	27° 7	14°41	1°42	10°55	15°R23	14°37	2° 8	n.a.	F 21
S 22	23 47 33	25° 0'14	29°49	8°12	23°31	5°39	9°53	27°14	14°43	1°42	10°57	15°22	14°34	2°15	n.a.	S 22
S 23	23 51 29	26° 0'07	11♈48	9°40	24°45	6°15	10° 4	27°21	14°45	1°43	10°59	15°21	14°31	2°21	n.a.	S 23
M24	23 55 26	27° 0'02	23°42	11°10	25°59	6°51	10°14	27°29	14°46	1°44	11° 0	15°20	14°28	2°28	n.a.	M24
T 25	23 59 22	27°59'59	5♉33	12°43	27°13	7°27	10°25	27°36	14°48	1°44	11° 2	15°18	14°25	2°35	n.a.	T 25
W26	0 3 19	28°59'58	17°22	14°17	28°27	8° 3	10°36	27°43	14°50	1°44	11° 4	15°16	14°22	2°41	n.a.	W26
T 27	0 7 15	0♎ 0'00	29°15	15°53	29°40	8°39	10°46	27°50	14°51	1°45	11° 6	15°14	14°18	2°48	n.a.	T 27
F 28	0 11 12	1° 0'03	11♊13	17°29	0♏54	9°15	10°57	27°57	14°53	1°45	11° 8	15°12	14°15	2°55	n.a.	F 28
S 29	0 15 9	2° 0'09	23°21	19° 7	2° 8	9°51	11° 7	28° 4	14°54	1°46	11°10	15°11	14°12	3° 2	n.a.	S 29
S 30	0 19 5	3♎ 0'18	5♋44	20♍45	3♏22	10♌26	11♌18	28♍12	14♋56	1♋46	11♏12	15°D11	14♓ 9	3♉ 8	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n 6	28n 8	5n17	7n24	2s45	1n36	0n42	22n53	1n 8	19n51	0n50	4n14	2n20	23n27	0n28	23n 8	0s35	4s55	10n44	5s49	5s43	14n56		n.a.
S 2	9 44	28 52	5 10	8 5	2 28	1 4	0 40	22 47	1 9	19 48	0 50	4 11	2 19	23 27	0 28	23 8	0 35	4 56	10 44	5 49	5 44	14 59		n.a.
M 3	9 22	28 5	4 47	8 46	2 10	0 32	0 37	22 41	1 10	19 45	0 50	4 8	2 19	23 27	0 28	23 8	0 35	4 57	10 43	5 50	5 45	15 2		n.a.
T 4	9 0	25 44	4 9	9 26	1 50	0s 0	0 35	22 35	1 10	19 43	0 51	4 6	2 19	23 26	0 28	23 8	0 35	4 58	10 43	5 50	5 46	15 5		n.a.
W 5	8 37	21 52	3 16	10 4	1 30	0 32	0 33	22 29	1 11	19 40	0 51	4 3	2 19	23 26	0 28	23 8	0 35	4 58	10 43	5 51	5 48	15 8		n.a.
T 6	8 15	16 42	2 10	10 40	1 10	1 4	0 30	22 23	1 11	19 37	0 51	4 0	2 19	23 26	0 28	23 8	0 35	4 59	10 42	5 51	5 49	15 11		n.a.
F 7	7 52	10 29	0 55	11 12	0 50	1 36	0 28	22 16	1 12	19 34	0 51	3 57	2 19	23 26	0 28	23 8	0 35	5 0	10 42	5 51	5 50	15 14		n.a.
S 8	7 30	3 37	0s26	11 40	0 30	2 8	0 25	22 9	1 12	19 31	0 51	3 54	2 19	23 25	0 28	23 8	0 35	5 1	10 41	5 51	5 51	15 17		n.a.
S 9	7 7	3s31	1 46	12 5	0 11	2 40	0 23	22 3	1 13	19 28	0 51	3 51	2 19	23 25	0 28	23 8	0 35	5 2	10 41	5 51	5 53	15 19		n.a.
M10	6 44	10 29	2 59	12 24	0n 7	3 12	0 20	21 56	1 13	19 25	0 52	3 48	2 19	23 25	0 28	23 8	0 35	5 2	10 41	5 51	5 54	15 22		n.a.
T 11	6 21	16 50	4 0	12 39	0 24	3 44	0 17	21 49	1 14	19 22	0 52	3 46	2 19	23 25	0 28	23 7	0 35	5 3	10 40	5 51	5 55	15 25		n.a.
W12	5 57	22 10	4 44	12 48	0 39	4 16	0 15	21 41	1 15	19 19	0 52	3 43	2 19	23 24	0 28	23 7	0 35	5 4	10 40	5 51	5 56	15 28		n.a.
T 13	5 34	26 6	5 10	12 53	0 54	4 47	0 12	21 34	1 15	19 16	0 52	3 40	2 19	23 24	0 28	23 7	0 35	5 5	10 39	5 51	5 58	15 31		n.a.
F 14	5 11	28 21	5 17	12 53	1 6	5 19	0 9	21 27	1 16	19 13	0 52	3 37	2 19	23 24	0 28	23 7	0 35	5 6	10 39	5 51	5 59	15 34		n.a.
S 15	4 47	28 49	5 6	12 48	1 18	5 50	0 6	21 19	1 16	19 10	0 52	3 34	2 19	23 24	0 28	23 7	0 36	5 6	10 39	5 51	6 0	15 37		n.a.
S 16	4 24	27 33	4 38	12 39	1 28	6 22	0 4	21 11	1 17	19 8	0 52	3 31	2 19	23 24	0 28	23 7	0 36	5 7	10 38	5 51	6 1	15 40		n.a.
M17	4 0	24 47	3 56	12 25	1 36	6 53	0 1	21 4	1 17	19 5	0 53	3 28	2 19	23 23	0 29	23 7	0 36	5 8	10 38	5 51	6 2	15 43		n.a.
T 18	3 36	20 48	3 3	12 8	1 43	7 24	0s 2	20 56	1 18	19 2	0 53	3 25	2 19	23 23	0 29	23 7	0 36	5 9	10 38	5 50	6 4	15 46		n.a.
W19	3 12	15 56	2 1	11 47	1 49	7 55	0 5	20 48	1 18	18 59	0 53	3 23	2 19	23 23	0 29	23 7	0 36	5 10	10 37	5 50	6 5	15 49		n.a.
T 20	2 48	10 29	0 55	11 23	1 54	8 26	0 8	20 39	1 19	18 56	0 53	3 20	2 19	23 23	0 29	23 7	0 36	5 11	10 37	5 50	6 6	15 52		n.a.
F 21	2 24	4 44	0n13	10 56	1 58	8 56	0 10	20 31	1 20	18 53	0 53	3 17	2 19	23 23	0 29	23 7	0 36	5 12	10 37	5 50	6 7	15 55		n.a.
S 22	2 0	1n 8	1 19	10 27	2 0	9 27	0 13	20 23	1 20	18 51	0 53	3 14	2 19	23 23	0 29	23 7	0 36	5 12	10 36	5 50	6 9	15 58		n.a.
S 23	1 36	6 53	2 21	9 55	2 2	9 57	0 16	20 14	1 21	18 48	0 54	3 11	2 19	23 22	0 29	23 7	0 36	5 13	10 36	5 50	6 10	16 1		n.a.
M24	1 12	12 21	3 17	9 21	2 2	10 27	0 19	20 5	1 21	18 45	0 54	3 8	2 19	23 22	0 29	23 7	0 36	5 14	10 36	5 51	6 11	16 4		n.a.
T 25	0 48	17 20	4 3	8 45	2 2	10 57	0 22	19 57	1 22	18 42	0 54	3 5	2 19	23 22	0 29	23 7	0 36	5 15	10 35	5 52	6 12	16 7		n.a.
W26	0 24	21 41	4 39	8 7	2 1	11 26	0 25	19 48	1 22	18 39	0 54	3 2	2 19	23 22	0 29	23 7	0 36	5 16	10 35	5 52	6 14	16 9		n.a.
T 27	0 0	25 10	5 4	7 28	2 0	11 55	0 28	19 39	1 23	18 37	0 54	3 0	2 19	23 22	0 29	23 7	0 36	5 17	10 35	5 53	6 15	16 12		n.a.
F 28	0s24	27 35	5 15	6 48	1 57	12 24	0 31	19 30	1 23	18 34	0 55	2 57	2 19	23 22	0 29	23 7	0 36	5 18	10 34	5 54	6 16	16 15		n.a.
S 29	0 48	28 46	5 13	6 7	1 55	12 53	0 34	19 21	1 24	18 31	0 55	2 54	2 19	23 22	0 29	23 7	0 36	5 18	10 34	5 54	6 17	16 18		n.a.
S 30	1s13	28n31	4n56	5n25	1n52	13s21	0s36	19n11	1n25	18n29	0n55	2n51	2n19	23n21	0n29	23n 7	0s36	5s19	10n34	5s54	6s19	16n21		n.a.

Julian Day Number = 1638389.5, Delta T = 03h37m50s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'29, Lahiri = - 7°05'28 Julian Calendar 1 Sept. 228 BCE == Greg. Calendar 28 Aug. 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

OCTOBER 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 23 2	4♎ 0'28	18♋26	22♍24	4♏35	11♌ 2	11♌28	28♍19	14♋57	1♋46	11♏14	15♓12	14♓ 6	3♉15	n.a.	M 1
T 2	0 26 58	5° 0'41	1♌30	24° 3	5°49	11°38	11°38	28°26	14°58	1°46	11°16	15°13	14° 3	3°22	n.a.	T 2
W 3	0 30 55	6° 0'56	15° 1	25°42	7° 3	12°13	11°48	28°33	14°59	1°47	11°18	15°14	13°59	3°28	n.a.	W 3
T 4	0 34 51	7° 1'12	28°59	27°21	8°16	12°49	11°58	28°40	15° 1	1°47	11°20	15°16	13°56	3°35	n.a.	T 4
F 5	0 38 48	8° 1'31	13♍22	29° 0	9°30	13°24	12° 8	28°47	15° 2	1°47	11°22	15°R16	13°53	3°42	n.a.	F 5
S 6	0 42 44	9° 1'52	28° 9	0♎39	10°44	14° 0	12°17	28°55	15° 3	1°47	11°24	15°16	13°50	3°48	n.a.	S 6
S 7	0 46 41	10° 2'15	13♎12	2°18	11°57	14°35	12°27	29° 2	15° 4	1°47	11°26	15°14	13°47	3°55	n.a.	S 7
M 8	0 50 38	11° 2'39	28°22	3°57	13°11	15°11	12°36	29° 9	15° 5	1°47	11°28	15°11	13°43	4° 2	n.a.	M 8
T 9	0 54 34	12° 3'06	13♏30	5°35	14°24	15°46	12°46	29°16	15° 6	1°R47	11°30	15° 7	13°40	4° 8	n.a.	T 9
W10	0 58 31	13° 3'34	28°25	7°13	15°38	16°21	12°55	29°23	15° 7	1°47	11°32	15° 3	13°37	4°15	n.a.	W10
T 11	1 2 27	14° 4'03	13♐ 2	8°51	16°52	16°56	13° 4	29°30	15° 7	1°47	11°34	15° 0	13°34	4°22	n.a.	T 11
F 12	1 6 24	15° 4'34	27°14	10°29	18° 5	17°31	13°13	29°37	15° 8	1°47	11°36	14°57	13°31	4°29	n.a.	F 12
S 13	1 10 20	16° 5'07	11♑ 0	12° 6	19°19	18° 6	13°22	29°44	15° 9	1°47	11°38	14°D56	13°28	4°35	n.a.	S 13
S 14	1 14 17	17° 5'40	24°22	13°43	20°32	18°41	13°31	29°51	15° 9	1°47	11°40	14°56	13°24	4°42	n.a.	S 14
M15	1 18 13	18° 6'15	7♒21	15°20	21°45	19°16	13°40	29°58	15°10	1°46	11°43	14°57	13°21	4°49	n.a.	M15
T 16	1 22 10	19° 6'52	20° 1	16°56	22°59	19°51	13°48	0♎ 5	15°11	1°46	11°45	14°59	13°18	4°55	n.a.	T 16
W17	1 26 7	20° 7'29	2♓25	18°32	24°12	20°26	13°57	0°12	15°11	1°46	11°47	15° 1	13°15	5° 2	n.a.	W17
T 18	1 30 3	21° 8'08	14°37	20° 8	25°26	21° 1	14° 5	0°19	15°11	1°46	11°49	15°R 1	13°12	5° 9	n.a.	T 18
F 19	1 34 0	22° 8'48	26°40	21°43	26°39	21°35	14°13	0°25	15°12	1°45	11°51	15° 1	13° 9	5°15	n.a.	F 19
S 20	1 37 56	23° 9'30	8♈37	23°19	27°52	22°10	14°22	0°32	15°12	1°45	11°54	14°58	13° 5	5°22	n.a.	S 20
S 21	1 41 53	24°10'13	20°31	24°54	29° 5	22°44	14°29	0°39	15°12	1°45	11°56	14°53	13° 2	5°29	n.a.	S 21
M22	1 45 49	25°10'58	2♉22	26°29	0♐19	23°19	14°37	0°46	15°13	1°44	11°58	14°47	12°59	5°35	n.a.	M22
T 23	1 49 46	26°11'44	14°13	28° 3	1°32	23°53	14°45	0°53	15°13	1°44	12° 0	14°39	12°56	5°42	n.a.	T 23
W24	1 53 42	27°12'32	26° 5	29°38	2°45	24°28	14°53	0°59	15°13	1°43	12° 3	14°30	12°53	5°49	n.a.	W24
T 25	1 57 39	28°13'21	8♊ 0	1♏12	3°58	25° 2	15° 0	1° 6	15°R13	1°43	12° 5	14°22	12°49	5°56	n.a.	T 25
F 26	2 1 36	29°14'11	20° 1	2°46	5°11	25°36	15° 7	1°13	15°13	1°42	12° 7	14°15	12°46	6° 2	n.a.	F 26
S 27	2 5 32	0♏15'04	2♋10	4°20	6°24	26°10	15°15	1°19	15°13	1°41	12° 9	14° 9	12°43	6° 9	n.a.	S 27
S 28	2 9 29	1°15'57	14°31	5°54	7°37	26°44	15°22	1°26	15°13	1°41	12°12	14° 5	12°40	6°16	n.a.	S 28
M29	2 13 25	2°16'53	27° 8	7°28	8°50	27°18	15°28	1°32	15°12	1°40	12°14	14°D 3	12°37	6°22	n.a.	M29
T 30	2 17 22	3°17'49	10♌ 4	9° 2	10° 3	27°52	15°35	1°39	15°12	1°39	12°16	14° 3	12°34	6°29	n.a.	T 30
W31	2 21 18	4♏18'47	23♌24	10♏35	11♐16	28♌26	15♌42	1♎45	15♋12	1♋39	12♏19	14♓ 4	12♓30	6♉36	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	1s37	26n48	4n24	4n42	1n48	13s49	0s39	19n 2	1n25	18n26	0n55	2n48	2n19	23n21	0n29	23n 7	0s36	5s20	10n33	5s54	6s20	16n24			n.a.
T 2	2 1	23 36	3 38	3 58	1 44	14 17	0 42	18 52	1 26	18 23	0 55	2 45	2 19	23 21	0 29	23 7	0 36	5 21	10 33	5 54	6 21	16 27			n.a.
W 3	2 25	19 3	2 39	3 15	1 39	14 44	0 45	18 43	1 26	18 21	0 56	2 42	2 19	23 21	0 29	23 7	0 36	5 22	10 33	5 53	6 22	16 30			n.a.
T 4	2 49	13 21	1 29	2 30	1 34	15 11	0 48	18 33	1 27	18 18	0 56	2 40	2 19	23 21	0 29	23 7	0 36	5 23	10 32	5 53	6 24	16 33			n.a.
F 5	3 13	6 46	0 10	1 46	1 29	15 38	0 51	18 23	1 27	18 15	0 56	2 37	2 19	23 21	0 29	23 7	0 36	5 24	10 32	5 52	6 25	16 35			n.a.
S 6	3 37	0s20	1s10	1 1	1 24	16 4	0 54	18 14	1 28	18 13	0 56	2 34	2 19	23 21	0 29	23 7	0 36	5 24	10 32	5 52	6 26	16 38			n.a.
S 7	4 1	7 32	2 28	0 16	1 19	16 30	0 56	18 4	1 29	18 10	0 56	2 31	2 19	23 21	0 29	23 7	0 36	5 25	10 32	5 53	6 27	16 41			n.a.
M 8	4 25	14 22	3 35	0s29	1 13	16 55	0 59	17 54	1 29	18 8	0 57	2 28	2 19	23 21	0 29	23 7	0 36	5 26	10 31	5 54	6 28	16 44			n.a.
T 9	4 49	20 19	4 27	1 13	1 7	17 20	1 2	17 44	1 30	18 5	0 57	2 25	2 19	23 21	0 29	23 7	0 36	5 27	10 31	5 56	6 30	16 47			n.a.
W10	5 13	24 55	5 0	1 58	1 1	17 45	1 5	17 34	1 30	18 3	0 57	2 23	2 20	23 21	0 29	23 7	0 36	5 28	10 31	5 57	6 31	16 50			n.a.
T 11	5 37	27 48	5 13	2 43	0 55	18 9	1 8	17 23	1 31	18 0	0 57	2 20	2 20	23 20	0 29	23 7	0 36	5 29	10 31	5 59	6 32	16 52			n.a.
F 12	6 0	28 48	5 6	3 27	0 48	18 33	1 10	17 13	1 32	17 58	0 57	2 17	2 20	23 20	0 29	23 7	0 36	5 30	10 30	6 0	6 33	16 55			n.a.
S 13	6 24	27 56	4 42	4 12	0 42	18 56	1 13	17 3	1 32	17 56	0 58	2 14	2 20	23 20	0 29	23 7	0 36	5 30	10 30	6 0	6 35	16 58			n.a.
S 14	6 48	25 28	4 2	4 56	0 36	19 19	1 16	16 52	1 33	17 53	0 58	2 12	2 20	23 20	0 29	23 7	0 36	5 31	10 30	6 0	6 36	17 1			n.a.
M15	7 11	21 44	3 11	5 40	0 29	19 41	1 18	16 42	1 33	17 51	0 58	2 9	2 20	23 20	0 29	23 7	0 36	5 32	10 30	6 0	6 37	17 4			n.a.
T 16	7 34	17 5	2 12	6 23	0 23	20 2	1 21	16 31	1 34	17 49	0 58	2 6	2 20	23 20	0 29	23 7	0 36	5 33	10 29	5 59	6 38	17 7			n.a.
W17	7 57	11 48	1 8	7 6	0 16	20 23	1 23	16 20	1 34	17 46	0 59	2 4	2 20	23 20	0 30	23 7	0 36	5 34	10 29	5 58	6 40	17 9			n.a.
T 18	8 21	6 10	0 2	7 49	0 9	20 44	1 26	16 10	1 35	17 44	0 59	2 1	2 20	23 20	0 30	23 7	0 36	5 35	10 29	5 58	6 41	17 12			n.a.
F 19	8 43	0 23	1n 3	8 31	0 3	21 4	1 28	15 59	1 36	17 42	0 59	1 58	2 20	23 20	0 30	23 7	0 36	5 36	10 29	5 58	6 42	17 15			n.a.
S 20	9 6	5n22	2 5	9 13	0s 4	21 23	1 31	15 48	1 36	17 40	0 59	1 55	2 20	23 20	0 30	23 7	0 36	5 36	10 29	5 59	6 43	17 18			n.a.
S 21	9 29	10 53	3 1	9 55	0 10	21 42	1 33	15 37	1 37	17 38	0 59	1 53	2 20	23 20	0 30	23 7	0 36	5 37	10 28	6 1	6 45	17 21			n.a.
M22	9 51	16 0	3 48	10 36	0 17	22 1	1 35	15 26	1 37	17 35	1 0	1 50	2 21	23 20	0 30	23 7	0 36	5 38	10 28	6 4	6 46	17 23			n.a.
T 23	10 14	20 31	4 26	11 16	0 23	22 18	1 38	15 15	1 38	17 33	1 0	1 48	2 21	23 20	0 30	23 7	0 36	5 39	10 28	6 7	6 47	17 26			n.a.
W24	10 36	24 14	4 52	11 56	0 30	22 35	1 40	15 4	1 39	17 31	1 0	1 45	2 21	23 20	0 30	23 7	0 36	5 40	10 28	6 10	6 48	17 29			n.a.
T 25	10 58	26 56	5 6	12 36	0 36	22 52	1 42	14 53	1 39	17 29	1 0	1 42	2 21	23 20	0 30	23 7	0 36	5 41	10 28	6 13	6 49	17 32			n.a.
F 26	11 20	28 26	5 6	13 14	0 42	23 7	1 44	14 42	1 40	17 27	1 1	1 40	2 21	23 20	0 30	23 7	0 36	5 42	10 28	6 16	6 51	17 35			n.a.
S 27	11 42	28 35	4 53	13 53	0 48	23 23	1 46	14 31	1 40	17 26	1 1	1 37	2 21	23 20	0 30	23 7	0 36	5 42	10 27	6 19	6 52	17 37			n.a.
S 28	12 3	27 20	4 26	14 30	0 55	23 37	1 48	14 20	1 41	17 24	1 1	1 35	2 21	23 20	0 30	23 7	0 36	5 43	10 27	6 20	6 53	17 40			n.a.
M29	12 25	24 40	3 46	15 7	1 1	23 51	1 50	14 8	1 42	17 22	1 1	1 32	2 21	23 21	0 30	23 7	0 36	5 44	10 27	6 21	6 54	17 43			n.a.
T 30	12 46	20 42	2 53	15 43	1 6	24 4	1 52	13 57	1 42	17 20	1 2	1 30	2 21	23 21	0 30	23 7	0 36	5 45	10 27	6 21	6 56	17 46			n.a.
W31	13s 7	15n36	1n49	16s19	1s12	24s16	1s54	13n46	1n43	17n18	1n 2	1n27	2n22	23n21	0n30	23n 7	0s36	5s46	10n27	6s20	6s57	17n48			n.a.

Julian Day Number = 1638419.5, Delta T = 03h37m49s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'25, Lahiri = - 7°05'24 Julian Calendar 1 Oct. 228 BCE == Greg. Calendar 27 Sept. 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

NOVEMBER 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 25 15	5♏19'47	7♍10	12♏ 9	12♐29	29♌ 0	15♌48	1♎52	15°R12	1°R38	12♏21	14°R 5	12♓27	6♉42	n.a.	T 1
F 2	2 29 11	6°20'48	21°24	13°42	13°42	29°34	15°55	1°58	15♋11	1♋37	12°23	14♓ 5	12°24	6°49	n.a.	F 2
S 3	2 33 8	7°21'50	6♎ 5	15°16	14°54	0♍ 7	16° 1	2° 4	15°11	1°36	12°26	14° 3	12°21	6°56	n.a.	S 3
S 4	2 37 5	8°22'53	21° 8	16°49	16° 7	0°41	16° 7	2°11	15°10	1°36	12°28	13°59	12°18	7° 3	n.a.	S 4
M 5	2 41 1	9°23'58	6♏24	18°22	17°20	1°14	16°12	2°17	15°10	1°35	12°30	13°52	12°14	7° 9	n.a.	M 5
T 6	2 44 58	10°25'03	21°44	19°56	18°32	1°48	16°18	2°23	15° 9	1°34	12°33	13°43	12°11	7°16	n.a.	T 6
W 7	2 48 54	11°26'10	6♐56	21°29	19°45	2°21	16°24	2°29	15° 8	1°33	12°35	13°34	12° 8	7°23	n.a.	W 7
T 8	2 52 51	12°27'17	21°49	23° 2	20°58	2°54	16°29	2°35	15° 8	1°32	12°37	13°25	12° 5	7°29	n.a.	T 8
F 9	2 56 47	13°28'25	6♑16	24°35	22°10	3°27	16°34	2°41	15° 7	1°31	12°40	13°18	12° 2	7°36	n.a.	F 9
S 10	3 0 44	14°29'34	20°14	26° 9	23°22	4° 0	16°39	2°47	15° 6	1°30	12°42	13°13	11°59	7°43	n.a.	S 10
S 11	3 4 40	15°30'43	3♒42	27°41	24°35	4°33	16°44	2°53	15° 5	1°29	12°44	13°10	11°55	7°49	n.a.	S 11
M12	3 8 37	16°31'52	16°42	29°14	25°47	5° 6	16°49	2°59	15° 4	1°28	12°47	13°D10	11°52	7°56	n.a.	M12
T 13	3 12 34	17°33'02	29°19	0♐47	26°59	5°39	16°53	3° 5	15° 3	1°27	12°49	13°10	11°49	8° 3	n.a.	T 13
W14	3 16 30	18°34'12	11♓38	2°19	28°12	6°11	16°58	3°11	15° 2	1°26	12°51	13°R10	11°46	8°10	n.a.	W14
T 15	3 20 27	19°35'22	23°43	3°51	29°24	6°44	17° 2	3°16	15° 1	1°24	12°53	13°10	11°43	8°16	n.a.	T 15
F 16	3 24 23	20°36'33	5♈39	5°23	0♑36	7°16	17° 6	3°22	15° 0	1°23	12°56	13° 7	11°40	8°23	n.a.	F 16
S 17	3 28 20	21°37'44	17°30	6°54	1°48	7°48	17°10	3°27	14°59	1°22	12°58	13° 2	11°36	8°30	n.a.	S 17
S 18	3 32 16	22°38'56	29°20	8°25	3° 0	8°21	17°13	3°33	14°57	1°21	13° 0	12°54	11°33	8°36	n.a.	S 18
M19	3 36 13	23°40'08	11♉10	9°55	4°12	8°53	17°17	3°38	14°56	1°20	13° 3	12°43	11°30	8°43	n.a.	M19
T 20	3 40 9	24°41'20	23° 4	11°24	5°23	9°25	17°20	3°44	14°55	1°18	13° 5	12°30	11°27	8°50	n.a.	T 20
W21	3 44 6	25°42'33	5♊ 1	12°52	6°35	9°56	17°23	3°49	14°53	1°17	13° 7	12°16	11°24	8°56	n.a.	W21
T 22	3 48 3	26°43'46	17° 4	14°19	7°47	10°28	17°26	3°54	14°52	1°16	13°10	12° 1	11°20	9° 3	n.a.	T 22
F 23	3 51 59	27°45'00	29°13	15°44	8°58	11° 0	17°29	4° 0	14°50	1°14	13°12	11°49	11°17	9°10	n.a.	F 23
S 24	3 55 56	28°46'14	11♋30	17° 8	10° 9	11°31	17°31	4° 5	14°49	1°13	13°14	11°38	11°14	9°17	n.a.	S 24
S 25	3 59 52	29°47'29	23°57	18°29	11°21	12° 3	17°34	4°10	14°47	1°12	13°16	11°30	11°11	9°23	n.a.	S 25
M26	4 3 49	0♐48'43	6♌37	19°48	12°32	12°34	17°36	4°15	14°46	1°10	13°19	11°26	11° 8	9°30	n.a.	M26
T 27	4 7 45	1°49'59	19°31	21° 4	13°43	13° 5	17°38	4°20	14°44	1° 9	13°21	11°23	11° 5	9°37	n.a.	T 27
W28	4 11 42	2°51'14	2♍44	22°16	14°54	13°36	17°40	4°25	14°42	1° 7	13°23	11°23	11° 1	9°43	n.a.	W28
T 29	4 15 39	3°52'31	16°19	23°24	16° 5	14° 7	17°41	4°29	14°40	1° 6	13°25	11°23	10°58	9°50	n.a.	T 29
F 30	4 19 35	4♐53'47	0♎18	24♐28	17♑16	14♍38	17♌43	4♎34	14♋39	1♋ 4	13♏28	11♓22	10♓55	9♉57	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13 s27	9n33	0n37	16 s54	1 s18	24 s28	1 s55	13n34	1n43	17n17	1n 2	1n25	2n22	23n21	0n30	23n 7	0 s36	5 s46	10n27	6 s20	6 s58	17n51		n.a.
F 2	13 48	2 51	0 s39	17 27	1 23	24 39	1 57	13 23	1 44	17 15	1 2	1 22	2 22	23 21	0 30	23 7	0 36	5 47	10 27	6 20	6 59	17 54		n.a.
S 3	14 8	4 s12	1 55	18 1	1 28	24 49	1 59	13 11	1 45	17 13	1 3	1 20	2 22	23 21	0 30	23 7	0 36	5 48	10 26	6 21	7 0	17 57		n.a.
S 4	14 28	11 11	3 5	18 33	1 33	24 59	2 0	13 0	1 45	17 12	1 3	1 18	2 22	23 21	0 30	23 7	0 36	5 49	10 26	6 22	7 2	17 59		n.a.
M 5	14 48	17 37	4 3	19 4	1 38	25 8	2 2	12 49	1 46	17 10	1 3	1 15	2 22	23 21	0 30	23 7	0 36	5 50	10 26	6 25	7 3	18 2		n.a.
T 6	15 7	22 58	4 43	19 35	1 43	25 16	2 3	12 37	1 47	17 9	1 3	1 13	2 22	23 21	0 30	23 7	0 36	5 50	10 26	6 28	7 4	18 5		n.a.
W 7	15 27	26 42	5 3	20 4	1 47	25 23	2 4	12 26	1 47	17 7	1 4	1 11	2 23	23 21	0 30	23 7	0 36	5 51	10 26	6 32	7 5	18 8		n.a.
T 8	15 46	28 29	5 1	20 33	1 51	25 30	2 5	12 14	1 48	17 6	1 4	1 8	2 23	23 21	0 30	23 7	0 36	5 52	10 26	6 36	7 7	18 10		n.a.
F 9	16 4	28 15	4 41	21 0	1 55	25 36	2 6	12 2	1 48	17 5	1 4	1 6	2 23	23 22	0 30	23 7	0 36	5 53	10 26	6 38	7 8	18 13		n.a.
S 10	16 23	26 12	4 4	21 26	1 59	25 41	2 8	11 51	1 49	17 3	1 5	1 4	2 23	23 22	0 30	23 7	0 36	5 53	10 26	6 40	7 9	18 16		n.a.
S 11	16 41	22 42	3 14	21 51	2 2	25 45	2 8	11 39	1 50	17 2	1 5	1 1	2 23	23 22	0 30	23 7	0 36	5 54	10 26	6 41	7 10	18 18		n.a.
M12	16 59	18 11	2 16	22 15	2 5	25 49	2 9	11 28	1 50	17 1	1 5	0 59	2 23	23 22	0 30	23 7	0 36	5 55	10 26	6 42	7 12	18 21		n.a.
T 13	17 16	12 59	1 13	22 38	2 8	25 52	2 10	11 16	1 51	17 0	1 5	0 57	2 24	23 22	0 30	23 7	0 36	5 56	10 26	6 41	7 13	18 24		n.a.
W14	17 33	7 25	0 8	23 0	2 10	25 54	2 11	11 4	1 52	16 59	1 6	0 55	2 24	23 22	0 30	23 7	0 36	5 56	10 25	6 41	7 14	18 27		n.a.
T 15	17 50	1 40	0n56	23 20	2 12	25 55	2 11	10 53	1 52	16 58	1 6	0 53	2 24	23 22	0 31	23 7	0 36	5 57	10 25	6 42	7 15	18 29		n.a.
F 16	18 7	4n 3	1 57	23 38	2 13	25 55	2 12	10 41	1 53	16 57	1 6	0 51	2 24	23 23	0 31	23 7	0 36	5 58	10 25	6 43	7 16	18 32		n.a.
S 17	18 23	9 35	2 52	23 55	2 14	25 55	2 12	10 30	1 54	16 56	1 6	0 49	2 24	23 23	0 31	23 7	0 36	5 59	10 25	6 45	7 18	18 35		n.a.
S 18	18 39	14 46	3 39	24 11	2 15	25 54	2 13	10 18	1 54	16 55	1 7	0 47	2 24	23 23	0 31	23 7	0 36	5 59	10 25	6 48	7 19	18 37		n.a.
M19	18 55	19 25	4 17	24 25	2 15	25 52	2 13	10 6	1 55	16 54	1 7	0 45	2 25	23 23	0 31	23 7	0 36	6 0	10 25	6 52	7 20	18 40		n.a.
T 20	19 10	23 19	4 44	24 38	2 14	25 50	2 13	9 55	1 56	16 53	1 7	0 43	2 25	23 23	0 31	23 7	0 36	6 1	10 25	6 57	7 21	18 43		n.a.
W21	19 25	26 16	4 58	24 49	2 13	25 46	2 13	9 43	1 56	16 53	1 8	0 41	2 25	23 23	0 31	23 7	0 36	6 1	10 25	7 3	7 23	18 45		n.a.
T 22	19 39	28 3	4 59	24 58	2 11	25 42	2 13	9 32	1 57	16 52	1 8	0 39	2 25	23 24	0 31	23 7	0 36	6 2	10 25	7 8	7 24	18 48		n.a.
F 23	19 54	28 30	4 47	25 5	2 9	25 38	2 13	9 20	1 57	16 52	1 8	0 37	2 25	23 24	0 31	23 7	0 36	6 3	10 25	7 13	7 25	18 51		n.a.
S 24	20 7	27 33	4 21	25 10	2 5	25 32	2 13	9 9	1 58	16 51	1 8	0 35	2 26	23 24	0 31	23 7	0 36	6 3	10 25	7 17	7 26	18 53		n.a.
S 25	20 21	25 13	3 43	25 14	2 1	25 26	2 12	8 57	1 59	16 51	1 9	0 33	2 26	23 24	0 31	23 7	0 36	6 4	10 25	7 20	7 27	18 56		n.a.
M26	20 34	21 37	2 53	25 16	1 57	25 19	2 12	8 46	1 59	16 50	1 9	0 31	2 26	23 24	0 31	23 7	0 36	6 5	10 25	7 22	7 29	18 59		n.a.
T 27	20 46	16 55	1 53	25 16	1 51	25 11	2 11	8 34	2 0	16 50	1 9	0 29	2 26	23 25	0 31	23 7	0 36	6 5	10 25	7 23	7 30	19 1		n.a.
W28	20 59	11 20	0 46	25 14	1 44	25 2	2 10	8 23	2 1	16 50	1 10	0 28	2 26	23 25	0 31	23 7	0 36	6 6	10 25	7 23	7 31	19 4		n.a.
T 29	21 11	5 4	0 s26	25 10	1 36	24 53	2 10	8 11	2 2	16 49	1 10	0 26	2 27	23 25	0 31	23 7	0 36	6 6	10 25	7 23	7 32	19 6		n.a.
F 30	21 s22	1 s37	1 s38	25 s 4	1 s28	24 s43	2 s 9	8n 0	2n 2	16n49	1n10	0n24	2n27	23n25	0n31	23n 7	0 s36	6 s 7	10n25	7 s23	7 s34	19n 9		n.a.

Julian Day Number = 1638450.5, Delta T = 03h37m48s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'21, Lahiri = - 7°05'20 Julian Calendar 1 Nov. 228 BCE == Greg. Calendar 28 Oct. 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 228 BCE
geocentric

DECEMBER 228 BCE (-227) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 23 32	5♐55'03	14♎42	25♐26	18♑27	15♍ 9	17♌44	4♎39	14°R37	1°R 3	13♏30	11°R19	10♓52	10♉ 3	n.a.	S 1
S 2	4 27 28	6°56'20	29°28	26°18	19°37	15°39	17°45	4°43	14♋35	1♋ 1	13°32	11♓13	10°49	10°10	n.a.	S 2
M 3	4 31 25	7°57'37	14♏31	27° 2	20°48	16° 9	17°46	4°48	14°33	1° 0	13°34	11° 5	10°46	10°17	n.a.	M 3
T 4	4 35 21	8°58'55	29°43	27°39	21°58	16°40	17°47	4°52	14°31	0°58	13°36	10°54	10°42	10°24	n.a.	T 4
W 5	4 39 18	10° 0'12	14♐52	28° 7	23° 9	17°10	17°47	4°56	14°29	0°57	13°38	10°41	10°39	10°30	n.a.	W 5
T 6	4 43 14	11° 1'29	29°48	28°25	24°19	17°40	17°47	5° 1	14°27	0°55	13°41	10°30	10°36	10°37	n.a.	T 6
F 7	4 47 11	12° 2'45	14♑23	28°R32	25°29	18° 9	17°R48	5° 5	14°25	0°54	13°43	10°19	10°33	10°44	n.a.	F 7
S 8	4 51 8	13° 4'01	28°29	28°28	26°39	18°39	17°47	5° 9	14°23	0°52	13°45	10°12	10°30	10°50	n.a.	S 8
S 9	4 55 4	14° 5'17	12♒ 6	28°12	27°49	19° 8	17°47	5°13	14°21	0°50	13°47	10° 7	10°26	10°57	n.a.	S 9
M10	4 59 1	15° 6'32	25°13	27°45	28°58	19°38	17°47	5°17	14°19	0°49	13°49	10° 5	10°23	11° 4	n.a.	M10
T 11	5 2 57	16° 7'46	7♓55	27° 5	0♒ 8	20° 7	17°46	5°20	14°16	0°47	13°51	10° 4	10°20	11°11	n.a.	T 11
W12	5 6 54	17° 8'59	20°16	26°15	1°17	20°36	17°45	5°24	14°14	0°46	13°53	10° 4	10°17	11°17	n.a.	W12
T 13	5 10 50	18°10'12	2♈21	25°15	2°26	21° 4	17°44	5°28	14°12	0°44	13°55	10° 3	10°14	11°24	n.a.	T 13
F 14	5 14 47	19°11'23	14°16	24° 8	3°35	21°33	17°43	5°31	14°10	0°42	13°57	10° 1	10°11	11°31	n.a.	F 14
S 15	5 18 44	20°12'34	26° 6	22°54	4°44	22° 1	17°41	5°35	14° 7	0°41	13°59	9°56	10° 7	11°37	n.a.	S 15
S 16	5 22 40	21°13'45	7♉55	21°36	5°53	22°29	17°40	5°38	14° 5	0°39	14° 1	9°48	10° 4	11°44	n.a.	S 16
M17	5 26 37	22°14'54	19°47	20°18	7° 2	22°57	17°38	5°41	14° 3	0°37	14° 3	9°37	10° 1	11°51	n.a.	M17
T 18	5 30 33	23°16'03	1♊45	19° 0	8°10	23°25	17°36	5°45	14° 0	0°36	14° 5	9°24	9°58	11°57	n.a.	T 18
W19	5 34 30	24°17'11	13°50	17°46	9°18	23°53	17°33	5°48	13°58	0°34	14° 7	9°10	9°55	12° 4	n.a.	W19
T 20	5 38 26	25°18'18	26° 3	16°38	10°26	24°20	17°31	5°51	13°56	0°32	14° 9	8°56	9°52	12°11	n.a.	T 20
F 21	5 42 23	26°19'24	8♋26	15°36	11°34	24°47	17°28	5°54	13°53	0°31	14°10	8°44	9°48	12°18	n.a.	F 21
S 22	5 46 19	27°20'29	20°58	14°43	12°41	25°14	17°26	5°56	13°51	0°29	14°12	8°33	9°45	12°24	n.a.	S 22
S 23	5 50 16	28°21'34	3♌40	13°58	13°49	25°41	17°23	5°59	13°48	0°27	14°14	8°25	9°42	12°31	n.a.	S 23
M24	5 54 13	29°22'38	16°33	13°22	14°56	26° 8	17°20	6° 2	13°46	0°26	14°16	8°20	9°39	12°38	n.a.	M24
T 25	5 58 9	0♑23'41	29°38	12°56	16° 3	26°34	17°16	6° 4	13°43	0°24	14°18	8°18	9°36	12°44	n.a.	T 25
W26	6 2 6	1°24'44	12♍56	12°38	17° 9	27° 0	17°13	6° 7	13°41	0°22	14°19	8°D18	9°32	12°51	n.a.	W26
T 27	6 6 2	2°25'46	26°30	12°30	18°16	27°26	17° 9	6° 9	13°38	0°20	14°21	8°R18	9°29	12°58	n.a.	T 27
F 28	6 9 59	3°26'47	10♎21	12°D29	19°22	27°52	17° 5	6°11	13°36	0°19	14°23	8°18	9°26	13° 5	n.a.	F 28
S 29	6 13 55	4°27'47	24°30	12°36	20°28	28°17	17° 1	6°14	13°33	0°17	14°25	8°17	9°23	13°11	n.a.	S 29
S 30	6 17 52	5°28'46	8♏55	12°51	21°33	28°42	16°57	6°16	13°30	0°15	14°26	8°13	9°20	13°18	n.a.	S 30
M31	6 21 48	6♑29'45	23♏34	13♐11	22♒39	29♍ 7	16♌52	6♎18	13♋28	0♋14	14♏28	8♓ 6	9♓17	13♉25	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s33	8s24	2s46	24s56	1s18	24s33	2s 8	7n48	2n 3	16n49	1n11	0n23	2n27	23n26	0n31	23n 7	0s36	6s 8	10n25	7s24	7s35	19n12		n.a.
S 2	21 44	14 55	3 45	24 47	1 6	24 21	2 7	7 37	2 4	16 49	1 11	0 21	2 27	23 26	0 31	23 7	0 36	6 8	10 25	7 27	7 36	19 14		n.a.
M 3	21 54	20 39	4 29	24 36	0 54	24 9	2 5	7 26	2 4	16 49	1 11	0 19	2 27	23 26	0 31	23 7	0 36	6 9	10 25	7 30	7 37	19 17		n.a.
T 4	22 4	25 7	4 54	24 23	0 41	23 57	2 4	7 14	2 5	16 49	1 11	0 18	2 28	23 26	0 31	23 7	0 36	6 9	10 26	7 34	7 38	19 19		n.a.
W 5	22 13	27 48	4 59	24 8	0 26	23 43	2 2	7 3	2 6	16 49	1 12	0 16	2 28	23 27	0 31	23 7	0 36	6 10	10 26	7 39	7 40	19 22		n.a.
T 6	22 22	28 27	4 43	23 53	0 10	23 29	2 1	6 52	2 6	16 49	1 12	0 15	2 28	23 27	0 31	23 7	0 36	6 11	10 26	7 43	7 41	19 25		n.a.
F 7	22 30	27 4	4 9	23 36	0n 7	23 15	1 59	6 41	2 7	16 50	1 12	0 13	2 28	23 27	0 31	23 7	0 36	6 11	10 26	7 47	7 42	19 27		n.a.
S 8	22 38	23 59	3 21	23 18	0 25	23 0	1 57	6 30	2 8	16 50	1 13	0 12	2 29	23 27	0 31	23 7	0 36	6 12	10 26	7 50	7 43	19 30		n.a.
S 9	22 46	19 38	2 22	22 59	0 44	22 44	1 55	6 19	2 8	16 50	1 13	0 11	2 29	23 28	0 31	23 7	0 36	6 12	10 26	7 52	7 44	19 32		n.a.
M10	22 53	14 29	1 18	22 39	1 4	22 27	1 53	6 8	2 9	16 51	1 13	0 9	2 29	23 28	0 31	23 7	0 36	6 13	10 26	7 53	7 46	19 35		n.a.
T 11	23 0	8 52	0 11	22 18	1 23	22 10	1 51	5 57	2 10	16 51	1 14	0 8	2 29	23 28	0 31	23 7	0 36	6 13	10 26	7 53	7 47	19 37		n.a.
W12	23 6	3 5	0n54	21 58	1 43	21 53	1 49	5 46	2 11	16 52	1 14	0 7	2 30	23 28	0 31	23 8	0 36	6 14	10 26	7 53	7 48	19 40		n.a.
T 13	23 11	2n42	1 55	21 37	2 1	21 35	1 46	5 35	2 11	16 52	1 14	0 6	2 30	23 29	0 31	23 8	0 36	6 14	10 26	7 53	7 49	19 43		n.a.
F 14	23 17	8 18	2 50	21 16	2 19	21 16	1 44	5 24	2 12	16 53	1 14	0 4	2 30	23 29	0 31	23 8	0 36	6 15	10 26	7 54	7 51	19 45		n.a.
S 15	23 22	13 34	3 38	20 57	2 36	20 57	1 41	5 14	2 13	16 54	1 15	0 3	2 30	23 29	0 31	23 8	0 36	6 15	10 26	7 56	7 52	19 48		n.a.
S 16	23 26	18 20	4 16	20 38	2 50	20 37	1 39	5 3	2 13	16 55	1 15	0 2	2 31	23 29	0 31	23 8	0 36	6 15	10 27	7 59	7 53	19 50		n.a.
M17	23 30	22 25	4 43	20 20	3 3	20 17	1 36	4 53	2 14	16 56	1 15	0 1	2 31	23 30	0 31	23 8	0 36	6 16	10 27	8 3	7 54	19 53		n.a.
T 18	23 33	25 36	4 57	20 4	3 13	19 56	1 33	4 42	2 15	16 56	1 16	0s 0	2 31	23 30	0 31	23 8	0 36	6 16	10 27	8 8	7 55	19 55		n.a.
W19	23 36	27 41	4 59	19 50	3 20	19 35	1 30	4 32	2 16	16 57	1 16	0 1	2 31	23 30	0 31	23 8	0 36	6 17	10 27	8 13	7 57	19 58		n.a.
T 20	23 38	28 27	4 47	19 38	3 25	19 13	1 26	4 21	2 16	16 58	1 16	0 2	2 32	23 30	0 31	23 8	0 36	6 17	10 27	8 19	7 58	20 0		n.a.
F 21	23 40	27 48	4 21	19 29	3 28	18 51	1 23	4 11	2 17	17 0	1 16	0 3	2 32	23 31	0 31	23 8	0 36	6 18	10 27	8 24	7 59	20 3		n.a.
S 22	23 42	25 44	3 43	19 23	3 29	18 28	1 20	4 1	2 18	17 1	1 17	0 4	2 32	23 31	0 31	23 8	0 36	6 18	10 27	8 28	8 0	20 5		n.a.
S 23	23 43	22 21	2 53	19 19	3 27	18 5	1 16	3 51	2 19	17 2	1 17	0 5	2 32	23 31	0 31	23 8	0 36	6 18	10 28	8 31	8 1	20 8		n.a.
M24	23 43	17 51	1 53	19 18	3 24	17 42	1 12	3 41	2 19	17 3	1 17	0 6	2 33	23 32	0 32	23 8	0 36	6 19	10 28	8 32	8 3	20 10		n.a.
T 25	23 43	12 27	0 46	19 19	3 19	17 18	1 8	3 31	2 20	17 4	1 18	0 6	2 33	23 32	0 32	23 8	0 36	6 19	10 28	8 33	8 4	20 13		n.a.
W26	23 43	6 24	0s25	19 23	3 14	16 54	1 4	3 21	2 21	17 6	1 18	0 7	2 33	23 32	0 32	23 8	0 36	6 19	10 28	8 33	8 5	20 15		n.a.
T 27	23 42	0s 3	1 35	19 29	3 7	16 30	1 0	3 11	2 22	17 7	1 18	0 8	2 33	23 32	0 32	23 8	0 36	6 20	10 28	8 33	8 6	20 18		n.a.
F 28	23 41	6 37	2 42	19 37	2 59	16 5	0 56	3 2	2 22	17 9	1 18	0 8	2 34	23 33	0 32	23 8	0 36	6 20	10 28	8 33	8 7	20 20		n.a.
S 29	23 39	13 0	3 40	19 46	2 50	15 40	0 52	2 52	2 23	17 10	1 19	0 9	2 34	23 33	0 32	23 8	0 36	6 20	10 29	8 34	8 9	20 23		n.a.
S 30	23 37	18 49	4 25	19 57	2 41	15 14	0 48	2 43	2 24	17 12	1 19	0 10	2 34	23 33	0 32	23 8	0 36	6 21	10 29	8 35	8 10	20 25		n.a.
M31	23s34	23s38	4s54	20s 9	2n31	14s48	0s43	2n34	2n25	17n13	1n19	0s10	2n34	23n34	0n32	23n 8	0s36	6s21	10n29	8s38	8s11	20n28		n.a.

Julian Day Number = 1638480.5, Delta T = 03h37m47s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'16, Lahiri = - 7°05'16 Julian Calendar 1 Dec. 228 BCE == Greg. Calendar 27 Nov. 228 BCE

The year -227 astronomical counting style corresponds to year 228 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

JANUARY 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 25 45	7♑30'43	8♐22	13♐38	23♒44	29♍32	16°R48	6♎19	13°R25	0°R12	14♏29	7°R57	9♓13	13♉31	n.a.	T 1
W 2	6 29 42	8°31'40	23°10	14°10	24°49	29°56	16♌43	6°21	13♋23	0♋10	14°31	7♓48	9°10	13°38	n.a.	W 2
T 3	6 33 38	9°32'35	7♑50	14°48	25°53	0♎20	16°38	6°23	13°20	0° 9	14°33	7°38	9° 7	13°45	n.a.	T 3
F 4	6 37 35	10°33'30	22°14	15°30	26°58	0°44	16°33	6°24	13°17	0° 7	14°34	7°29	9° 4	13°52	n.a.	F 4
S 5	6 41 31	11°34'23	6♒17	16°16	28° 2	1° 8	16°28	6°26	13°15	0° 5	14°36	7°23	9° 1	13°58	n.a.	S 5
S 6	6 45 28	12°35'14	19°54	17° 6	29° 5	1°31	16°23	6°27	13°12	0° 4	14°37	7°19	8°58	14° 5	n.a.	S 6
M 7	6 49 24	13°36'04	3♓ 5	17°59	0♓ 9	1°54	16°17	6°28	13°10	0° 2	14°38	7°D18	8°54	14°12	n.a.	M 7
T 8	6 53 21	14°36'52	15°51	18°56	1°11	2°16	16°12	6°29	13° 7	0° 0	14°40	7°18	8°51	14°18	n.a.	T 8
W 9	6 57 18	15°37'38	28°17	19°55	2°14	2°39	16° 6	6°30	13° 4	29♊59	14°41	7°19	8°48	14°25	n.a.	W 9
T 10	7 1 14	16°38'23	10♈26	20°57	3°16	3° 1	16° 0	6°31	13° 2	29°57	14°43	7°20	8°45	14°32	n.a.	T 10
F 11	7 5 11	17°39'06	22°24	22° 2	4°18	3°22	15°54	6°32	12°59	29°56	14°44	7°R20	8°42	14°39	n.a.	F 11
S 12	7 9 7	18°39'47	4♉16	23° 9	5°20	3°44	15°48	6°33	12°56	29°54	14°45	7°18	8°38	14°45	n.a.	S 12
S 13	7 13 4	19°40'27	16° 7	24°18	6°21	4° 5	15°41	6°34	12°54	29°52	14°46	7°15	8°35	14°52	n.a.	S 13
M14	7 17 0	20°41'04	28° 1	25°29	7°21	4°25	15°35	6°34	12°51	29°51	14°48	7° 9	8°32	14°59	n.a.	M14
T 15	7 20 57	21°41'40	10♊ 2	26°41	8°21	4°45	15°28	6°34	12°49	29°49	14°49	7° 2	8°29	15° 5	n.a.	T 15
W16	7 24 53	22°42'14	22°14	27°56	9°21	5° 5	15°22	6°35	12°46	29°48	14°50	6°53	8°26	15°12	n.a.	W16
T 17	7 28 50	23°42'46	4♋37	29°12	10°20	5°25	15°15	6°35	12°44	29°46	14°51	6°45	8°23	15°19	n.a.	T 17
F 18	7 32 47	24°43'17	17°14	0♑29	11°19	5°44	15° 8	6°R35	12°41	29°45	14°52	6°37	8°19	15°26	n.a.	F 18
S 19	7 36 43	25°43'46	0♌ 4	1°48	12°17	6° 3	15° 1	6°35	12°38	29°43	14°53	6°31	8°16	15°32	n.a.	S 19
S 20	7 40 40	26°44'13	13° 7	3° 9	13°15	6°21	14°54	6°35	12°36	29°42	14°54	6°27	8°13	15°39	n.a.	S 20
M21	7 44 36	27°44'38	26°22	4°31	14°12	6°39	14°47	6°35	12°33	29°40	14°55	6°24	8°10	15°46	n.a.	M21
T 22	7 48 33	28°45'02	9♍49	5°54	15° 8	6°57	14°40	6°34	12°31	29°39	14°56	6°D24	8° 7	15°52	n.a.	T 22
W23	7 52 29	29°45'24	23°26	7°18	16° 4	7°14	14°32	6°34	12°28	29°37	14°57	6°25	8° 4	15°59	n.a.	W23
T 24	7 56 26	0♒45'44	7♎13	8°44	17° 0	7°30	14°25	6°34	12°26	29°36	14°58	6°26	8° 0	16° 6	n.a.	T 24
F 25	8 0 22	1°46'03	21°10	10°10	17°55	7°47	14°18	6°33	12°24	29°35	14°59	6°28	7°57	16°13	n.a.	F 25
S 26	8 4 19	2°46'21	5♏15	11°38	18°49	8° 2	14°10	6°32	12°21	29°33	15° 0	6°R28	7°54	16°19	n.a.	S 26
S 27	8 8 16	3°46'37	19°28	13° 7	19°42	8°18	14° 2	6°31	12°19	29°32	15° 1	6°27	7°51	16°26	n.a.	S 27
M28	8 12 12	4°46'51	3♐47	14°37	20°35	8°33	13°55	6°30	12°16	29°31	15° 2	6°25	7°48	16°33	n.a.	M28
T 29	8 16 9	5°47'04	18° 8	16° 8	21°27	8°47	13°47	6°29	12°14	29°29	15° 2	6°21	7°44	16°39	n.a.	T 29
W30	8 20 5	6°47'15	2♑26	17°40	22°19	9° 1	13°39	6°28	12°12	29°28	15° 3	6°16	7°41	16°46	n.a.	W30
T 31	8 24 2	7♒47'24	16♑38	19♑14	23♓ 9	9♎14	13♌32	6♎27	12♋ 9	29♊27	15♏ 4	6♓12	7♓38	16♉53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23 s31	26 s57	5 s 4	20 s22	2n22	14 s22	0 s38	2n24	2n25	17n15	1n19	0 s11	2n35	23n34	0n32	23n 8	0 s36	6 s21	10n29	8 s41	8 s12	20n30			n.a.
W 2	23 27	28 25	4 53	20 36	2 11	13 56	0 34	2 15	2 26	17 17	1 20	0 11	2 35	23 34	0 32	23 8	0 36	6 21	10 29	8 45	8 14	20 32			n.a.
T 3	23 23	27 52	4 23	20 50	2 1	13 29	0 29	2 6	2 27	17 18	1 20	0 11	2 35	23 34	0 32	23 8	0 36	6 22	10 29	8 48	8 15	20 35			n.a.
F 4	23 18	25 26	3 37	21 5	1 51	13 2	0 24	1 57	2 28	17 20	1 20	0 12	2 36	23 35	0 32	23 8	0 36	6 22	10 30	8 52	8 16	20 37			n.a.
S 5	23 13	21 29	2 38	21 20	1 41	12 35	0 19	1 49	2 28	17 22	1 20	0 12	2 36	23 35	0 32	23 8	0 36	6 22	10 30	8 54	8 17	20 40			n.a.
S 6	23 7	16 28	1 32	21 36	1 30	12 8	0 13	1 40	2 29	17 24	1 21	0 12	2 36	23 35	0 32	23 8	0 36	6 22	10 30	8 56	8 18	20 42			n.a.
M 7	23 1	10 51	0 23	21 51	1 20	11 41	0 8	1 31	2 30	17 26	1 21	0 13	2 36	23 35	0 32	23 8	0 36	6 23	10 30	8 56	8 20	20 45			n.a.
T 8	22 55	4 56	0n46	22 6	1 10	11 13	0 2	1 23	2 31	17 28	1 21	0 13	2 37	23 36	0 32	23 8	0 36	6 23	10 30	8 56	8 21	20 47			n.a.
W 9	22 48	1n 0	1 50	22 20	1 0	10 45	0n 3	1 15	2 31	17 30	1 21	0 13	2 37	23 36	0 32	23 8	0 36	6 23	10 31	8 56	8 22	20 49			n.a.
T 10	22 40	6 45	2 49	22 35	0 50	10 17	0 9	1 7	2 32	17 32	1 22	0 13	2 37	23 36	0 32	23 8	0 35	6 23	10 31	8 55	8 23	20 52			n.a.
F 11	22 33	12 11	3 38	22 49	0 40	9 49	0 15	0 59	2 33	17 34	1 22	0 13	2 37	23 37	0 32	23 8	0 35	6 23	10 31	8 55	8 24	20 54			n.a.
S 12	22 24	17 8	4 18	23 2	0 31	9 21	0 21	0 51	2 34	17 36	1 22	0 13	2 38	23 37	0 32	23 8	0 35	6 24	10 31	8 56	8 26	20 57			n.a.
S 13	22 16	21 26	4 47	23 15	0 21	8 53	0 27	0 43	2 35	17 38	1 22	0 13	2 38	23 37	0 32	23 8	0 35	6 24	10 32	8 57	8 27	20 59			n.a.
M14	22 7	24 53	5 4	23 26	0 12	8 24	0 33	0 36	2 35	17 40	1 23	0 13	2 38	23 37	0 32	23 8	0 35	6 24	10 32	8 59	8 28	21 1			n.a.
T 15	21 57	27 17	5 7	23 38	0 3	7 56	0 39	0 28	2 36	17 42	1 23	0 13	2 39	23 38	0 32	23 8	0 35	6 24	10 32	9 2	8 29	21 4			n.a.
W16	21 47	28 26	4 57	23 48	0 s 5	7 28	0 45	0 21	2 37	17 44	1 23	0 13	2 39	23 38	0 32	23 8	0 35	6 24	10 32	9 5	8 30	21 6			n.a.
T 17	21 37	28 11	4 32	23 57	0 14	6 59	0 52	0 14	2 38	17 47	1 23	0 13	2 39	23 38	0 32	23 8	0 35	6 24	10 32	9 8	8 32	21 8			n.a.
F 18	21 26	26 28	3 54	24 5	0 22	6 31	0 58	0 7	2 38	17 49	1 23	0 13	2 39	23 38	0 32	23 8	0 35	6 24	10 33	9 11	8 33	21 11			n.a.
S 19	21 15	23 22	3 4	24 13	0 30	6 2	1 5	0 0	2 39	17 51	1 24	0 12	2 40	23 39	0 32	23 8	0 35	6 24	10 33	9 14	8 34	21 13			n.a.
S 20	21 4	19 2	2 3	24 19	0 38	5 34	1 12	0 s 7	2 40	17 53	1 24	0 12	2 40	23 39	0 32	23 8	0 35	6 24	10 33	9 15	8 35	21 16			n.a.
M21	20 52	13 43	0 54	24 24	0 45	5 5	1 19	0 13	2 41	17 56	1 24	0 12	2 40	23 39	0 32	23 8	0 35	6 24	10 33	9 16	8 36	21 18			n.a.
T 22	20 39	7 42	0 s19	24 28	0 52	4 37	1 25	0 19	2 41	17 58	1 24	0 11	2 40	23 39	0 32	23 8	0 35	6 24	10 34	9 16	8 38	21 20			n.a.
W23	20 27	1 15	1 31	24 30	0 59	4 8	1 33	0 25	2 42	18 0	1 24	0 11	2 41	23 40	0 32	23 8	0 35	6 24	10 34	9 16	8 39	21 23			n.a.
T 24	20 14	5 s20	2 40	24 32	1 6	3 40	1 40	0 31	2 43	18 3	1 24	0 10	2 41	23 40	0 32	23 8	0 35	6 24	10 34	9 15	8 40	21 25			n.a.
F 25	20 0	11 44	3 40	24 32	1 12	3 12	1 47	0 37	2 44	18 5	1 25	0 10	2 41	23 40	0 32	23 8	0 35	6 24	10 34	9 15	8 41	21 27			n.a.
S 26	19 46	17 37	4 27	24 30	1 18	2 44	1 54	0 43	2 44	18 7	1 25	0 9	2 42	23 40	0 32	23 8	0 35	6 24	10 35	9 15	8 42	21 29			n.a.
S 27	19 32	22 35	4 58	24 28	1 24	2 16	2 2	0 48	2 45	18 10	1 25	0 9	2 42	23 40	0 32	23 8	0 35	6 24	10 35	9 15	8 44	21 32			n.a.
M28	19 18	26 15	5 12	24 23	1 29	1 48	2 9	0 54	2 46	18 12	1 25	0 8	2 42	23 41	0 32	23 8	0 35	6 24	10 35	9 16	8 45	21 34			n.a.
T 29	19 3	28 15	5 5	24 18	1 34	1 20	2 17	0 59	2 47	18 15	1 25	0 8	2 42	23 41	0 32	23 8	0 35	6 24	10 35	9 17	8 46	21 36			n.a.
W30	18 48	28 22	4 40	24 11	1 39	0 53	2 24	1 3	2 47	18 17	1 25	0 7	2 43	23 41	0 32	23 8	0 35	6 24	10 36	9 19	8 47	21 39			n.a.
T 31	18 s32	26 s37	3 s58	24 s 2	1 s43	0 s25	2n32	1 s 8	2n48	18n19	1n25	0 s 6	2n43	23n41	0n32	23n 8	0 s35	6 s24	10n36	9 s21	8 s48	21n41			n.a.

Julian Day Number = 1638511.5, Delta T = 03h37m46s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'12, Lahiri = - 7°05'12 Julian Calendar 1 Jan. 227 BCE == Greg. Calendar 28 Dec. 228 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

FEBRUARY 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 27 58	8♒47'32	0♒37	20♉48	23♓59	9♎27	13°R24	6°R26	12°R 7	29°R25	15♏ 5	6°R 8	7♓35	17♉ 0	n.a.	F 1
S 2	8 31 55	9°47'37	14°21	22°23	24°48	9°39	13♌16	6♎24	12♋ 5	29♊24	15° 5	6♓ 5	7°32	17° 6	n.a.	S 2
S 3	8 35 51	10°47'41	27°46	24° 0	25°36	9°51	13° 8	6°23	12° 3	29°23	15° 6	6° 4	7°29	17°13	n.a.	S 3
M 4	8 39 48	11°47'42	10♓50	25°38	26°24	10° 2	13° 0	6°21	12° 1	29°22	15° 6	6°D 4	7°25	17°20	n.a.	M 4
T 5	8 43 45	12°47'41	23°35	27°16	27°10	10°13	12°53	6°20	11°58	29°21	15° 7	6° 4	7°22	17°26	n.a.	T 5
W 6	8 47 41	13°47'38	6♈ 1	28°56	27°55	10°23	12°45	6°18	11°56	29°20	15° 7	6° 6	7°19	17°33	n.a.	W 6
T 7	8 51 38	14°47'33	18°13	0♒37	28°40	10°32	12°37	6°16	11°54	29°19	15° 8	6° 8	7°16	17°40	n.a.	T 7
F 8	8 55 34	15°47'25	0♉13	2°19	29°23	10°41	12°29	6°14	11°52	29°17	15° 8	6° 9	7°13	17°47	n.a.	F 8
S 9	8 59 31	16°47'15	12° 7	4° 3	0♈ 5	10°49	12°21	6°12	11°50	29°16	15° 9	6°R10	7°10	17°53	n.a.	S 9
S 10	9 3 27	17°47'03	23°59	5°47	0°46	10°57	12°14	6°10	11°48	29°15	15° 9	6°10	7° 6	18° 0	n.a.	S 10
M11	9 7 24	18°46'48	5♊55	7°33	1°26	11° 4	12° 6	6° 7	11°46	29°14	15° 9	6° 9	7° 3	18° 7	n.a.	M11
T 12	9 11 20	19°46'31	17°57	9°19	2° 5	11°10	11°58	6° 5	11°44	29°13	15°10	6° 7	7° 0	18°13	n.a.	T 12
W13	9 15 17	20°46'12	0♋12	11° 7	2°43	11°16	11°50	6° 3	11°42	29°13	15°10	6° 5	6°57	18°20	n.a.	W13
T 14	9 19 14	21°45'50	12°41	12°57	3°19	11°21	11°43	6° 0	11°41	29°12	15°10	6° 3	6°54	18°27	n.a.	T 14
F 15	9 23 10	22°45'27	25°27	14°47	3°54	11°25	11°35	5°57	11°39	29°11	15°10	6° 1	6°50	18°34	n.a.	F 15
S 16	9 27 7	23°45'00	8♌32	16°38	4°27	11°29	11°28	5°55	11°37	29°10	15°10	5°59	6°47	18°40	n.a.	S 16
S 17	9 31 3	24°44'32	21°55	18°31	4°59	11°32	11°20	5°52	11°35	29° 9	15°10	5°58	6°44	18°47	n.a.	S 17
M18	9 35 0	25°44'01	5♍34	20°25	5°29	11°34	11°13	5°49	11°34	29° 8	15°11	5°D58	6°41	18°54	n.a.	M18
T 19	9 38 56	26°43'29	19°28	22°20	5°58	11°36	11° 5	5°46	11°32	29° 8	15°11	5°58	6°38	19° 0	n.a.	T 19
W20	9 42 53	27°42'54	3♎32	24°17	6°25	11°37	10°58	5°43	11°30	29° 7	15°R11	5°59	6°35	19° 7	n.a.	W20
T 21	9 46 49	28°42'17	17°45	26°14	6°51	11°R37	10°51	5°40	11°29	29° 6	15°11	6° 0	6°31	19°14	n.a.	T 21
F 22	9 50 46	29°41'38	2♏ 1	28°13	7°15	11°36	10°44	5°37	11°27	29° 5	15°10	6° 0	6°28	19°21	n.a.	F 22
S 23	9 54 42	0♓40'58	16°17	0♓12	7°36	11°35	10°37	5°34	11°26	29° 5	15°10	6° 1	6°25	19°27	n.a.	S 23
S 24	9 58 39	1°40'16	0♐32	2°13	7°57	11°33	10°30	5°30	11°25	29° 4	15°10	6°R 1	6°22	19°34	n.a.	S 24
M25	10 2 36	2°39'32	14°41	4°14	8°15	11°30	10°23	5°27	11°23	29° 4	15°10	6° 1	6°19	19°41	n.a.	M25
T 26	10 6 32	3°38'46	28°43	6°16	8°31	11°26	10°16	5°24	11°22	29° 3	15°10	6° 1	6°16	19°47	n.a.	T 26
W27	10 10 29	4°37'58	12♑37	8°19	8°45	11°22	10°10	5°20	11°21	29° 3	15°10	6° 0	6°12	19°54	n.a.	W27
T 28	10 14 25	5♓37'08	26♑20	10♓22	8♈57	11♎17	10♌ 3	5♎17	11♋19	29♊ 2	15♏ 9	6°D 0	6♓ 9	20♉ 1	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s17	23s13	3s 2	23s52	1s47	0n 2	2n40	1s13	2n49	18n22	1n25	0s 5	2n43	23n41	0n32	23n 8	0s35	6s24	10n36	9s22	8s50	21n43		n.a.
S 2	18 0	18 34	1 56	23 40	1 51	0 29	2 48	1 17	2 49	18 24	1 26	0 5	2 43	23 42	0 32	23 8	0 35	6 24	10 37	9 23	8 51	21 46		n.a.
S 3	17 44	13 6	0 45	23 27	1 54	0 55	2 56	1 21	2 50	18 26	1 26	0 4	2 44	23 42	0 32	23 8	0 35	6 24	10 37	9 24	8 52	21 48		n.a.
M 4	17 27	7 11	0n26	23 12	1 57	1 21	3 4	1 25	2 51	18 29	1 26	0 3	2 44	23 42	0 32	23 8	0 35	6 24	10 37	9 24	8 53	21 50		n.a.
T 5	17 10	1 8	1 35	22 55	2 0	1 48	3 12	1 28	2 51	18 31	1 26	0 2	2 44	23 42	0 32	23 8	0 35	6 24	10 37	9 23	8 54	21 52		n.a.
W 6	16 53	4n49	2 37	22 36	2 2	2 13	3 20	1 32	2 52	18 33	1 26	0 1	2 44	23 42	0 32	23 9	0 35	6 24	10 38	9 23	8 56	21 55		n.a.
T 7	16 35	10 29	3 32	22 16	2 4	2 39	3 29	1 35	2 53	18 36	1 26	0 0	2 45	23 43	0 32	23 9	0 35	6 24	10 38	9 22	8 57	21 57		n.a.
F 8	16 18	15 40	4 16	21 54	2 5	3 4	3 37	1 38	2 53	18 38	1 26	0n 1	2 45	23 43	0 32	23 9	0 35	6 23	10 38	9 22	8 58	21 59		n.a.
S 9	15 59	20 13	4 48	21 31	2 6	3 28	3 45	1 40	2 54	18 40	1 26	0 2	2 45	23 43	0 32	23 9	0 35	6 23	10 38	9 21	8 59	22 1		n.a.
S 10	15 41	23 58	5 8	21 5	2 7	3 53	3 54	1 43	2 54	18 43	1 26	0 3	2 45	23 43	0 32	23 9	0 35	6 23	10 39	9 21	9 0	22 3		n.a.
M11	15 22	26 43	5 15	20 38	2 7	4 16	4 2	1 45	2 55	18 45	1 26	0 4	2 45	23 43	0 32	23 9	0 35	6 23	10 39	9 22	9 2	22 6		n.a.
T 12	15 4	28 18	5 9	20 9	2 6	4 40	4 11	1 47	2 55	18 47	1 26	0 5	2 46	23 43	0 32	23 9	0 35	6 23	10 39	9 22	9 3	22 8		n.a.
W13	14 44	28 32	4 48	19 39	2 5	5 3	4 19	1 49	2 56	18 49	1 26	0 6	2 46	23 44	0 32	23 9	0 35	6 23	10 39	9 23	9 4	22 10		n.a.
T 14	14 25	27 19	4 13	19 6	2 4	5 25	4 28	1 50	2 56	18 52	1 26	0 8	2 46	23 44	0 32	23 9	0 35	6 22	10 40	9 24	9 5	22 12		n.a.
F 15	14 6	24 40	3 26	18 32	2 2	5 47	4 36	1 52	2 57	18 54	1 26	0 9	2 46	23 44	0 32	23 9	0 35	6 22	10 40	9 25	9 6	22 14		n.a.
S 16	13 46	20 41	2 26	17 56	1 59	6 8	4 45	1 53	2 57	18 56	1 26	0 10	2 47	23 44	0 32	23 9	0 35	6 22	10 40	9 25	9 7	22 17		n.a.
S 17	13 26	15 35	1 17	17 18	1 56	6 29	4 53	1 54	2 58	18 58	1 26	0 11	2 47	23 44	0 32	23 9	0 35	6 22	10 41	9 26	9 9	22 19		n.a.
M18	13 6	9 37	0 2	16 38	1 53	6 49	5 2	1 54	2 58	19 0	1 26	0 13	2 47	23 44	0 32	23 9	0 35	6 22	10 41	9 26	9 10	22 21		n.a.
T 19	12 45	3 5	1s14	15 57	1 49	7 8	5 10	1 54	2 58	19 2	1 26	0 14	2 47	23 44	0 32	23 9	0 35	6 21	10 41	9 26	9 11	22 23		n.a.
W20	12 25	3s40	2 27	15 13	1 44	7 27	5 19	1 55	2 59	19 4	1 26	0 15	2 47	23 45	0 32	23 9	0 34	6 21	10 41	9 26	9 12	22 25		n.a.
T 21	12 4	10 17	3 31	14 28	1 39	7 45	5 27	1 54	2 59	19 6	1 26	0 17	2 48	23 45	0 32	23 9	0 34	6 21	10 42	9 25	9 13	22 28		n.a.
F 22	11 43	16 25	4 23	13 42	1 33	8 2	5 36	1 54	2 59	19 8	1 26	0 18	2 48	23 45	0 32	23 9	0 34	6 21	10 42	9 25	9 15	22 30		n.a.
S 23	11 22	21 40	4 58	12 53	1 27	8 18	5 44	1 53	2 59	19 10	1 26	0 20	2 48	23 45	0 32	23 9	0 34	6 20	10 42	9 25	9 16	22 32		n.a.
S 24	11 0	25 38	5 15	12 3	1 20	8 34	5 52	1 52	3 0	19 12	1 26	0 21	2 48	23 45	0 31	23 9	0 34	6 20	10 42	9 25	9 17	22 34		n.a.
M25	10 39	28 1	5 13	11 12	1 13	8 48	6 0	1 51	3 0	19 14	1 26	0 23	2 48	23 45	0 31	23 9	0 34	6 20	10 43	9 25	9 18	22 36		n.a.
T 26	10 17	28 35	4 52	10 19	1 5	9 2	6 8	1 49	3 0	19 16	1 26	0 24	2 48	23 45	0 31	23 9	0 34	6 19	10 43	9 25	9 19	22 38		n.a.
W27	9 56	27 21	4 15	9 25	0 56	9 15	6 16	1 48	3 0	19 17	1 26	0 26	2 49	23 45	0 31	23 9	0 34	6 19	10 43	9 25	9 21	22 40		n.a.
T 28	9s34	24s27	3s23	8s30	0s47	9n27	6n24	1s46	3n 0	19n19	1n26	0n27	2n49	23n45	0n31	23n 9	0s34	6s19	10n43	9s25	9s22	22n42		n.a.

Julian Day Number = 1638542.5, Delta T = 03h37m45s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'08, Lahiri = - 7°05'08 Julian Calendar 1 Feb. 227 BCE == Greg. Calendar 28 Jan. 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

MARCH 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 18 22	6♓36'17	9♒51	12♓25	9♈ 7	11°R11	9°R57	5°R13	11°R18	29°R 2	15°R 9	6♓ 0	6♓ 6	20♉ 8	n.a.	F 1
S 2	10 22 18	7°35'23	23° 9	14°28	9°14	11♎ 4	9♌51	5♎ 9	11♋17	29♊ 1	15♏ 9	6° 0	6° 3	20°14	n.a.	S 2
S 3	10 26 15	8°34'27	6♓12	16°31	9°19	10°56	9°44	5° 6	11°16	29° 1	15° 8	6°R 0	6° 0	20°21	n.a.	S 3
M 4	10 30 11	9°33'29	19° 1	18°33	9°22	10°48	9°38	5° 2	11°15	29° 0	15° 8	6° 0	5°56	20°28	n.a.	M 4
T 5	10 34 8	10°32'29	1♈35	20°34	9°R23	10°39	9°33	4°58	11°14	29° 0	15° 8	6° 0	5°53	20°34	n.a.	T 5
W 6	10 38 5	11°31'26	13°56	22°34	9°21	10°29	9°27	4°54	11°13	29° 0	15° 7	5°59	5°50	20°41	n.a.	W 6
T 7	10 42 1	12°30'22	26° 6	24°32	9°17	10°19	9°21	4°50	11°12	29° 0	15° 7	5°59	5°47	20°48	n.a.	T 7
F 8	10 45 58	13°29'15	8♉ 6	26°28	9°10	10° 7	9°16	4°46	11°11	28°59	15° 6	5°58	5°44	20°55	n.a.	F 8
S 9	10 49 54	14°28'05	20° 0	28°22	9° 1	9°55	9°10	4°42	11°11	28°59	15° 6	5°57	5°41	21° 1	n.a.	S 9
S 10	10 53 51	15°26'54	1♊52	0♈12	8°49	9°42	9° 5	4°38	11°10	28°59	15° 5	5°56	5°37	21° 8	n.a.	S 10
M11	10 57 47	16°25'40	13°47	2° 0	8°35	9°29	9° 0	4°34	11° 9	28°59	15° 5	5°D56	5°34	21°15	n.a.	M11
T 12	11 1 44	17°24'24	25°49	3°44	8°18	9°15	8°55	4°30	11° 9	28°59	15° 4	5°56	5°31	21°22	n.a.	T 12
W13	11 5 40	18°23'05	8♋ 2	5°25	7°59	9° 0	8°51	4°25	11° 8	28°59	15° 3	5°56	5°28	21°28	n.a.	W13
T 14	11 9 37	19°21'44	20°32	7° 1	7°38	8°44	8°46	4°21	11° 8	28°D59	15° 3	5°57	5°25	21°35	n.a.	T 14
F 15	11 13 34	20°20'21	3♌21	8°33	7°14	8°28	8°42	4°17	11° 7	28°59	15° 2	5°59	5°21	21°42	n.a.	F 15
S 16	11 17 30	21°18'56	16°32	10° 0	6°48	8°12	8°38	4°12	11° 7	28°59	15° 1	6° 0	5°18	21°48	n.a.	S 16
S 17	11 21 27	22°17'28	0♍ 6	11°23	6°20	7°54	8°33	4° 8	11° 6	28°59	15° 0	6°R 0	5°15	21°55	n.a.	S 17
M18	11 25 23	23°15'58	14° 4	12°41	5°50	7°36	8°30	4° 4	11° 6	28°59	14°59	6° 0	5°12	22° 2	n.a.	M18
T 19	11 29 20	24°14'26	28°21	13°54	5°19	7°18	8°26	3°59	11° 6	28°59	14°59	5°59	5° 9	22° 9	n.a.	T 19
W20	11 33 16	25°12'52	12♎53	15° 1	4°45	6°59	8°22	3°55	11° 6	28°59	14°58	5°58	5° 6	22°15	n.a.	W20
T 21	11 37 13	26°11'16	27°34	16° 3	4°11	6°40	8°19	3°50	11° 5	29° 0	14°57	5°55	5° 2	22°22	n.a.	T 21
F 22	11 41 9	27° 9'38	12♏17	17° 0	3°35	6°20	8°16	3°46	11° 5	29° 0	14°56	5°52	4°59	22°29	n.a.	F 22
S 23	11 45 6	28° 7'59	26°54	17°51	2°58	6° 0	8°13	3°42	11°D 5	29° 0	14°55	5°50	4°56	22°35	n.a.	S 23
S 24	11 49 2	29° 6'18	11♐21	18°37	2°21	5°39	8°10	3°37	11° 5	29° 0	14°54	5°48	4°53	22°42	n.a.	S 24
M25	11 52 59	0♈ 4'36	25°34	19°17	1°43	5°18	8° 7	3°33	11° 5	29° 1	14°53	5°D47	4°50	22°49	n.a.	M25
T 26	11 56 56	1° 2'52	9♑31	19°52	1° 5	4°57	8° 5	3°28	11° 6	29° 1	14°52	5°47	4°47	22°56	n.a.	T 26
W27	12 0 52	2° 1'06	23°10	20°20	0°27	4°35	8° 2	3°24	11° 6	29° 2	14°51	5°48	4°43	23° 2	n.a.	W27
T 28	12 4 49	2°59'19	6♒34	20°43	29♓49	4°14	8° 0	3°19	11° 6	29° 2	14°50	5°50	4°40	23° 9	n.a.	T 28
F 29	12 8 45	3°57'30	19°42	21° 1	29°12	3°52	7°58	3°15	11° 6	29° 2	14°49	5°51	4°37	23°16	n.a.	F 29
S 30	12 12 42	4°55'39	2♓36	21°13	28°36	3°30	7°56	3°10	11° 7	29° 3	14°48	5°R52	4°34	23°23	n.a.	S 30
S 31	12 16 38	5♈53'47	15♓18	21♈19	28♓ 0	3♎ 8	7♌55	3♎ 6	11♋ 7	29♊ 4	14♏47	5♓52	4♓31	23♉29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s12	20s14	2s20	7s33	0s38	9n38	6n31	1s43	3n 0	19n21	1n26	0n29	2n49	23n46	0n31	23n 9	0s34	6s19	10n44	9s25	9s23	22n45		n.a.
S 2	8 49	15 5	1 11	6 36	0 27	9 47	6 38	1 41	3 0	19 23	1 26	0 31	2 49	23 46	0 31	23 9	0 34	6 18	10 44	9 25	9 24	22 47		n.a.
S 3	8 27	9 20	0n 1	5 39	0 17	9 56	6 45	1 38	2 59	19 24	1 26	0 32	2 49	23 46	0 31	23 9	0 34	6 18	10 44	9 25	9 25	22 49		n.a.
M 4	8 5	3 18	1 12	4 40	0 6	10 3	6 52	1 35	2 59	19 26	1 26	0 34	2 49	23 46	0 31	23 9	0 34	6 18	10 44	9 25	9 26	22 51		n.a.
T 5	7 42	2n44	2 17	3 42	0n 5	10 9	6 59	1 32	2 59	19 27	1 26	0 36	2 50	23 46	0 31	23 9	0 34	6 17	10 45	9 25	9 28	22 53		n.a.
W 6	7 20	8 33	3 15	2 44	0 16	10 14	7 5	1 28	2 59	19 29	1 26	0 37	2 50	23 46	0 31	23 9	0 34	6 17	10 45	9 25	9 29	22 55		n.a.
T 7	6 57	13 57	4 3	1 46	0 28	10 18	7 10	1 24	2 58	19 30	1 26	0 39	2 50	23 46	0 31	23 9	0 34	6 16	10 45	9 26	9 30	22 57		n.a.
F 8	6 34	18 47	4 40	0 49	0 40	10 20	7 16	1 20	2 58	19 32	1 26	0 41	2 50	23 46	0 31	23 9	0 34	6 16	10 45	9 26	9 31	22 59		n.a.
S 9	6 11	22 50	5 4	0n 8	0 52	10 20	7 21	1 16	2 57	19 33	1 26	0 42	2 50	23 46	0 31	23 9	0 34	6 16	10 46	9 26	9 32	23 1		n.a.
S 10	5 48	25 56	5 16	1 3	1 4	10 20	7 25	1 11	2 57	19 34	1 25	0 44	2 50	23 46	0 31	23 9	0 34	6 15	10 46	9 27	9 34	23 3		n.a.
M11	5 25	27 55	5 13	1 57	1 15	10 18	7 29	1 7	2 56	19 35	1 25	0 46	2 50	23 46	0 31	23 9	0 34	6 15	10 46	9 27	9 35	23 5		n.a.
T 12	5 2	28 37	4 58	2 49	1 27	10 14	7 32	1 2	2 55	19 37	1 25	0 48	2 50	23 46	0 31	23 9	0 34	6 15	10 46	9 27	9 36	23 7		n.a.
W13	4 39	27 56	4 28	3 40	1 38	10 9	7 35	0 57	2 54	19 38	1 25	0 50	2 50	23 46	0 31	23 9	0 34	6 14	10 46	9 26	9 37	23 9		n.a.
T 14	4 16	25 51	3 46	4 28	1 49	10 2	7 37	0 51	2 53	19 39	1 25	0 51	2 51	23 46	0 31	23 9	0 34	6 14	10 47	9 26	9 38	23 11		n.a.
F 15	3 52	22 24	2 51	5 15	1 59	9 54	7 38	0 46	2 52	19 40	1 25	0 53	2 51	23 46	0 31	23 9	0 34	6 13	10 47	9 26	9 39	23 13		n.a.
S 16	3 29	17 45	1 46	5 59	2 9	9 44	7 39	0 40	2 51	19 41	1 25	0 55	2 51	23 46	0 31	23 10	0 34	6 13	10 47	9 25	9 41	23 15		n.a.
S 17	3 6	12 4	0 33	6 40	2 18	9 32	7 39	0 34	2 50	19 42	1 25	0 57	2 51	23 46	0 31	23 10	0 34	6 13	10 47	9 25	9 42	23 17		n.a.
M18	2 42	5 40	0s44	7 19	2 26	9 20	7 38	0 28	2 49	19 43	1 25	0 59	2 51	23 46	0 31	23 10	0 34	6 12	10 47	9 25	9 43	23 19		n.a.
T 19	2 19	1s10	2 0	7 54	2 34	9 5	7 36	0 22	2 48	19 44	1 24	1 0	2 51	23 46	0 31	23 10	0 34	6 12	10 48	9 25	9 44	23 21		n.a.
W20	1 55	8 3	3 9	8 27	2 41	8 50	7 33	0 16	2 46	19 45	1 24	1 2	2 51	23 46	0 31	23 10	0 34	6 11	10 48	9 26	9 45	23 23		n.a.
T 21	1 32	14 34	4 7	8 57	2 47	8 33	7 30	0 9	2 45	19 45	1 24	1 4	2 51	23 46	0 31	23 10	0 34	6 11	10 48	9 27	9 47	23 25		n.a.
F 22	1 9	20 16	4 48	9 24	2 53	8 14	7 26	0 3	2 43	19 46	1 24	1 6	2 51	23 46	0 31	23 10	0 34	6 10	10 48	9 28	9 48	23 27		n.a.
S 23	0 45	24 43	5 10	9 48	2 57	7 55	7 21	0n 4	2 42	19 47	1 24	1 8	2 51	23 46	0 31	23 10	0 34	6 10	10 48	9 29	9 49	23 29		n.a.
S 24	0 22	27 34	5 13	10 9	3 0	7 35	7 15	0 11	2 40	19 47	1 24	1 9	2 51	23 46	0 31	23 10	0 34	6 10	10 49	9 30	9 50	23 31		n.a.
M25	0n 2	28 35	4 56	10 27	3 2	7 13	7 8	0 17	2 38	19 48	1 24	1 11	2 51	23 46	0 31	23 10	0 33	6 9	10 49	9 30	9 51	23 33		n.a.
T 26	0 25	27 44	4 22	10 41	3 3	6 51	7 0	0 24	2 37	19 48	1 23	1 13	2 51	23 46	0 31	23 10	0 33	6 9	10 49	9 30	9 52	23 35		n.a.
W27	0 49	25 12	3 33	10 52	3 3	6 28	6 52	0 31	2 35	19 49	1 23	1 15	2 51	23 46	0 31	23 10	0 33	6 8	10 49	9 30	9 54	23 37		n.a.
T 28	1 12	21 20	2 34	11 0	3 2	6 5	6 43	0 38	2 33	19 49	1 23	1 17	2 51	23 46	0 31	23 10	0 33	6 8	10 49	9 29	9 55	23 39		n.a.
F 29	1 35	16 28	1 28	11 4	3 0	5 41	6 33	0 45	2 30	19 50	1 23	1 19	2 51	23 46	0 31	23 10	0 33	6 7	10 49	9 28	9 56	23 41		n.a.
S 30	1 59	10 57	0 18	11 5	2 56	5 16	6 23	0 52	2 28	19 50	1 23	1 20	2 51	23 46	0 31	23 10	0 33	6 7	10 50	9 28	9 57	23 43		n.a.
S 31	2n22	5s 4	0n51	11n 3	2n51	4n52	6n12	0n58	2n26	19n50	1n23	1n22	2n51	23n46	0n31	23n10	0s33	6s 6	10n50	9s28	9s58	23n45		n.a.

Julian Day Number = 1638570.5, Delta T = 03h37m44s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'04, Lahiri = - 7°05'04 Julian Calendar 1 March 227 BCE == Greg. Calendar 25 Feb. 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

APRIL 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 20 35	6♈51'53	27♓48	21°R19	27°R26	2°R45	7°R53	3°R 1	11♋ 7	29♊ 4	14°R45	5°R50	4♓27	23♉36	n.a.	M 1
T 2	12 24 31	7°49'57	10♈ 9	21♈15	26♓53	2♎23	7♌52	2♎57	11° 8	29° 5	14♏44	5♓46	4°24	23°43	n.a.	T 2
W 3	12 28 28	8°48'00	22°20	21° 5	26°22	2° 1	7°51	2°52	11° 8	29° 5	14°43	5°42	4°21	23°49	n.a.	W 3
T 4	12 32 25	9°46'01	4♉23	20°51	25°52	1°40	7°50	2°48	11° 9	29° 6	14°42	5°36	4°18	23°56	n.a.	T 4
F 5	12 36 21	10°44'00	16°20	20°32	25°25	1°18	7°50	2°43	11°10	29° 7	14°41	5°29	4°15	24° 3	n.a.	F 5
S 6	12 40 18	11°41'57	28°13	20°10	24°59	0°56	7°49	2°39	11°10	29° 7	14°39	5°23	4°12	24°10	n.a.	S 6
S 7	12 44 14	12°39'52	10♊ 4	19°43	24°35	0°35	7°49	2°34	11°11	29° 8	14°38	5°18	4° 8	24°16	n.a.	S 7
M 8	12 48 11	13°37'46	21°58	19°14	24°14	0°14	7°D49	2°30	11°12	29° 9	14°37	5°14	4° 5	24°23	n.a.	M 8
T 9	12 52 7	14°35'37	3♋58	18°42	23°55	29♍54	7°49	2°26	11°13	29°10	14°35	5°12	4° 2	24°30	n.a.	T 9
W10	12 56 4	15°33'27	16° 9	18° 8	23°38	29°33	7°49	2°21	11°14	29°11	14°34	5°D11	3°59	24°36	n.a.	W10
T 11	13 0 0	16°31'15	28°35	17°32	23°24	29°14	7°50	2°17	11°15	29°12	14°33	5°12	3°56	24°43	n.a.	T 11
F 12	13 3 57	17°29'01	11♌21	16°56	23°12	28°54	7°50	2°13	11°16	29°13	14°31	5°13	3°53	24°50	n.a.	F 12
S 13	13 7 54	18°26'45	24°30	16°20	23° 3	28°35	7°51	2° 8	11°17	29°13	14°30	5°14	3°49	24°57	n.a.	S 13
S 14	13 11 50	19°24'28	8♍ 7	15°44	22°56	28°17	7°52	2° 4	11°18	29°14	14°29	5°R15	3°46	25° 3	n.a.	S 14
M15	13 15 47	20°22'09	22°11	15°10	22°51	28° 0	7°53	2° 0	11°19	29°15	14°27	5°14	3°43	25°10	n.a.	M15
T 16	13 19 43	21°19'48	6♎40	14°37	22°D49	27°42	7°54	1°56	11°20	29°17	14°26	5°10	3°40	25°17	n.a.	T 16
W17	13 23 40	22°17'25	21°31	14° 6	22°49	27°26	7°56	1°52	11°22	29°18	14°24	5° 5	3°37	25°23	n.a.	W17
T 18	13 27 36	23°15'02	6♏34	13°39	22°51	27°10	7°58	1°48	11°23	29°19	14°23	4°59	3°33	25°30	n.a.	T 18
F 19	13 31 33	24°12'37	21°41	13°14	22°56	26°55	7°59	1°44	11°24	29°20	14°21	4°51	3°30	25°37	n.a.	F 19
S 20	13 35 29	25°10'11	6♐41	12°53	23° 3	26°40	8° 2	1°40	11°26	29°21	14°20	4°44	3°27	25°44	n.a.	S 20
S 21	13 39 26	26° 7'44	21°27	12°36	23°12	26°26	8° 4	1°36	11°27	29°22	14°18	4°39	3°24	25°50	n.a.	S 21
M22	13 43 23	27° 5'16	5♑52	12°23	23°24	26°13	8° 6	1°32	11°29	29°23	14°17	4°35	3°21	25°57	n.a.	M22
T 23	13 47 19	28° 2'47	19°53	12°14	23°37	26° 1	8° 9	1°28	11°30	29°25	14°15	4°33	3°18	26° 4	n.a.	T 23
W24	13 51 16	29° 0'16	3♒30	12° 9	23°53	25°49	8°11	1°24	11°32	29°26	14°14	4°D33	3°14	26°11	n.a.	W24
T 25	13 55 12	29°57'45	16°45	12°D 9	24°10	25°39	8°14	1°21	11°34	29°27	14°12	4°33	3°11	26°17	n.a.	T 25
F 26	13 59 9	0♉55'13	29°40	12°14	24°29	25°29	8°17	1°17	11°35	29°28	14°11	4°R34	3° 8	26°24	n.a.	F 26
S 27	14 3 5	1°52'41	12♓19	12°23	24°50	25°19	8°21	1°14	11°37	29°30	14° 9	4°34	3° 5	26°31	n.a.	S 27
S 28	14 7 2	2°50'07	24°45	12°36	25°13	25°11	8°24	1°10	11°39	29°31	14° 7	4°32	3° 2	26°37	n.a.	S 28
M29	14 10 58	3°47'32	7♈ 0	12°54	25°37	25° 3	8°28	1° 7	11°41	29°33	14° 6	4°28	2°58	26°44	n.a.	M29
T 30	14 14 55	4♉44'56	19♈ 8	13♈16	26♓ 4	24♍56	8♌31	1♎ 3	11♋43	29♊34	14♏ 4	4♓21	2♓55	26♉51	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n45	0n54	1n57	10n57	2n45	4n28	6n 0	1n 5	2n24	19n50	1n23	1n24	2n51	23n46	0n31	23n10	0s33	6s 6	10n50	9s29	9s59	23n47		n.a.
T 2	3 9	6 45	2 56	10 49	2 37	4 4	5 48	1 12	2 21	19 51	1 22	1 26	2 51	23 46	0 31	23 10	0 33	6 5	10 50	9 30	10 1	23 49		n.a.
W 3	3 32	12 17	3 46	10 37	2 29	3 40	5 36	1 18	2 19	19 51	1 22	1 28	2 51	23 46	0 31	23 10	0 33	6 5	10 50	9 32	10 2	23 51		n.a.
T 4	3 55	17 18	4 26	10 22	2 19	3 16	5 23	1 25	2 16	19 51	1 22	1 29	2 51	23 46	0 31	23 10	0 33	6 4	10 50	9 34	10 3	23 53		n.a.
F 5	4 18	21 35	4 53	10 5	2 7	2 53	5 10	1 31	2 14	19 51	1 22	1 31	2 51	23 46	0 31	23 10	0 33	6 4	10 50	9 37	10 4	23 54		n.a.
S 6	4 41	24 59	5 8	9 45	1 55	2 30	4 56	1 38	2 11	19 51	1 22	1 33	2 51	23 46	0 31	23 10	0 33	6 4	10 50	9 39	10 5	23 56		n.a.
S 7	5 4	27 19	5 9	9 22	1 42	2 9	4 43	1 44	2 9	19 51	1 22	1 35	2 51	23 45	0 31	23 10	0 33	6 3	10 51	9 41	10 6	23 58		n.a.
M 8	5 26	28 25	4 57	8 58	1 27	1 47	4 29	1 50	2 6	19 51	1 21	1 36	2 51	23 45	0 31	23 10	0 33	6 3	10 51	9 42	10 8	24 0		n.a.
T 9	5 49	28 12	4 32	8 31	1 12	1 27	4 15	1 55	2 3	19 50	1 21	1 38	2 51	23 45	0 31	23 10	0 33	6 2	10 51	9 43	10 9	24 2		n.a.
W10	6 12	26 37	3 55	8 3	0 56	1 8	4 1	2 1	2 0	19 50	1 21	1 40	2 51	23 45	0 31	23 10	0 33	6 2	10 51	9 43	10 10	24 4		n.a.
T 11	6 34	23 43	3 5	7 35	0 40	0 49	3 47	2 6	1 57	19 50	1 21	1 41	2 51	23 45	0 31	23 10	0 33	6 1	10 51	9 43	10 11	24 6		n.a.
F 12	6 57	19 36	2 6	7 5	0 23	0 32	3 33	2 11	1 55	19 50	1 21	1 43	2 51	23 45	0 31	23 10	0 33	6 1	10 51	9 43	10 12	24 7		n.a.
S 13	7 19	14 25	0 58	6 35	0 6	0 15	3 20	2 16	1 52	19 49	1 20	1 45	2 51	23 45	0 31	23 10	0 33	6 0	10 51	9 42	10 13	24 9		n.a.
S 14	7 41	8 23	0s16	6 6	0s11	0 0	3 6	2 21	1 49	19 49	1 20	1 46	2 51	23 45	0 31	23 10	0 33	6 0	10 51	9 42	10 15	24 11		n.a.
M15	8 3	1 46	1 30	5 37	0 28	0s14	2 53	2 25	1 46	19 48	1 20	1 48	2 50	23 45	0 31	23 11	0 33	5 59	10 51	9 42	10 16	24 13		n.a.
T 16	8 25	5s 8	2 41	5 8	0 45	0 27	2 39	2 29	1 43	19 48	1 20	1 49	2 50	23 44	0 31	23 11	0 33	5 59	10 51	9 44	10 17	24 15		n.a.
W17	8 47	11 55	3 43	4 41	1 1	0 39	2 26	2 33	1 40	19 47	1 20	1 51	2 50	23 44	0 31	23 11	0 33	5 58	10 51	9 45	10 18	24 16		n.a.
T 18	9 8	18 7	4 30	4 16	1 17	0 50	2 13	2 37	1 37	19 47	1 20	1 52	2 50	23 44	0 30	23 11	0 33	5 58	10 51	9 48	10 19	24 18		n.a.
F 19	9 30	23 12	4 59	3 52	1 33	1 0	2 1	2 40	1 34	19 46	1 19	1 54	2 50	23 44	0 30	23 11	0 33	5 58	10 51	9 51	10 20	24 20		n.a.
S 20	9 51	26 43	5 7	3 30	1 47	1 8	1 48	2 43	1 30	19 45	1 19	1 55	2 50	23 44	0 30	23 11	0 33	5 57	10 51	9 53	10 22	24 22		n.a.
S 21	10 12	28 20	4 54	3 11	2 1	1 16	1 36	2 46	1 27	19 44	1 19	1 57	2 50	23 44	0 30	23 11	0 33	5 57	10 51	9 55	10 23	24 24		n.a.
M22	10 33	27 58	4 23	2 54	2 14	1 22	1 24	2 48	1 24	19 44	1 19	1 58	2 50	23 44	0 30	23 11	0 33	5 56	10 51	9 57	10 24	24 25		n.a.
T 23	10 54	25 48	3 36	2 40	2 26	1 27	1 13	2 51	1 21	19 43	1 19	2 0	2 50	23 43	0 30	23 11	0 33	5 56	10 52	9 57	10 25	24 27		n.a.
W24	11 15	22 10	2 39	2 28	2 36	1 31	1 1	2 52	1 18	19 42	1 19	2 1	2 49	23 43	0 30	23 11	0 33	5 55	10 52	9 57	10 26	24 29		n.a.
T 25	11 36	17 30	1 34	2 19	2 46	1 34	0 50	2 54	1 15	19 41	1 18	2 2	2 49	23 43	0 30	23 11	0 33	5 55	10 52	9 57	10 27	24 31		n.a.
F 26	11 56	12 8	0 26	2 12	2 55	1 36	0 40	2 55	1 12	19 40	1 18	2 4	2 49	23 43	0 30	23 11	0 33	5 54	10 52	9 57	10 29	24 32		n.a.
S 27	12 16	6 23	0n41	2 9	3 3	1 38	0 29	2 56	1 9	19 39	1 18	2 5	2 49	23 43	0 30	23 11	0 33	5 54	10 52	9 57	10 30	24 34		n.a.
S 28	12 36	0 30	1 46	2 8	3 10	1 38	0 19	2 57	1 6	19 38	1 18	2 6	2 49	23 43	0 30	23 11	0 32	5 54	10 51	9 58	10 31	24 36		n.a.
M29	12 56	5n19	2 44	2 9	3 16	1 37	0 10	2 57	1 3	19 37	1 18	2 8	2 49	23 42	0 30	23 11	0 32	5 53	10 51	9 59	10 32	24 38		n.a.
T 30	13n15	10n52	3n34	2n14	3s20	1s35	0n 0	2n57	1n 0	19n36	1n17	2n 9	2n48	23n42	0n30	23n11	0s32	5s53	10n51	10s 2	10s33	24n39		n.a.

Julian Day Number = 1638601.5, Delta T = 03h37m43s
Ecliptic obliquity = 23°43'31, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°12'00, Lahiri = - 7°05'00 Julian Calendar 1 Apr. 227 BCE == Greg. Calendar 28 March 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

MAY 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 18 52	5♉42'20	1♉ 9	13♈43	26♓31	24°R50	8♌35	1°R 0	11♋45	29♊35	14°R 3	4°R11	2♓52	26♉58	n.a.	W 1
T 2	14 22 48	6°39'42	13° 6	14°14	27° 0	24♍45	8°39	0♎57	11°47	29°37	14♏ 1	4♓ 0	2°49	27° 4	n.a.	T 2
F 3	14 26 45	7°37'04	24°59	14°49	27°31	24°41	8°44	0°53	11°49	29°38	14° 0	3°48	2°46	27°11	n.a.	F 3
S 4	14 30 41	8°34'24	6♊51	15°28	28° 3	24°38	8°48	0°50	11°51	29°40	13°58	3°37	2°43	27°18	n.a.	S 4
S 5	14 34 38	9°31'44	18°43	16°11	28°36	24°35	8°53	0°47	11°53	29°42	13°56	3°26	2°39	27°25	n.a.	S 5
M 6	14 38 34	10°29'02	0♋37	16°58	29°11	24°33	8°57	0°44	11°55	29°43	13°55	3°18	2°36	27°31	n.a.	M 6
T 7	14 42 31	11°26'20	12°37	17°48	29°47	24°32	9° 2	0°41	11°57	29°45	13°53	3°12	2°33	27°38	n.a.	T 7
W 8	14 46 27	12°23'36	24°47	18°42	0♈24	24°D32	9° 7	0°39	11°59	29°46	13°51	3° 8	2°30	27°45	n.a.	W 8
T 9	14 50 24	13°20'51	7♌10	19°40	1° 2	24°32	9°12	0°36	12° 2	29°48	13°50	3° 7	2°27	27°51	n.a.	T 9
F 10	14 54 21	14°18'06	19°52	20°41	1°41	24°34	9°18	0°33	12° 4	29°50	13°48	3°D 7	2°24	27°58	n.a.	F 10
S 11	14 58 17	15°15'19	2♍57	21°46	2°22	24°36	9°23	0°31	12° 6	29°51	13°47	3°R 7	2°20	28° 5	n.a.	S 11
S 12	15 2 14	16°12'31	16°28	22°54	3° 3	24°39	9°29	0°28	12° 9	29°53	13°45	3° 6	2°17	28°12	n.a.	S 12
M13	15 6 10	17° 9'42	0♎28	24° 5	3°45	24°43	9°34	0°26	12°11	29°55	13°43	3° 4	2°14	28°18	n.a.	M13
T 14	15 10 7	18° 6'53	14°57	25°20	4°29	24°48	9°40	0°24	12°14	29°56	13°42	2°59	2°11	28°25	n.a.	T 14
W15	15 14 3	19° 4'03	29°51	26°37	5°13	24°53	9°46	0°21	12°16	29°58	13°40	2°52	2° 8	28°32	n.a.	W15
T 16	15 18 0	20° 1'12	15♏ 3	27°58	5°58	24°59	9°53	0°19	12°19	29°59	13°39	2°42	2° 4	28°38	n.a.	T 16
F 17	15 21 56	20°58'20	0♐22	29°22	6°44	25° 6	9°59	0°17	12°22	0♋ 2	13°37	2°32	2° 1	28°45	n.a.	F 17
S 18	15 25 53	21°55'29	15°38	0♑50	7°31	25°13	10° 5	0°15	12°24	0° 4	13°35	2°22	1°58	28°52	n.a.	S 18
S 19	15 29 50	22°52'37	0♑39	2°20	8°18	25°21	10°12	0°13	12°27	0° 5	13°34	2°13	1°55	28°59	n.a.	S 19
M20	15 33 46	23°49'45	15°17	3°53	9° 7	25°30	10°19	0°11	12°30	0° 7	13°32	2° 7	1°52	29° 5	n.a.	M20
T 21	15 37 43	24°46'52	29°28	5°29	9°56	25°40	10°26	0°10	12°32	0° 9	13°31	2° 3	1°49	29°12	n.a.	T 21
W22	15 41 39	25°44'00	13♒11	7° 9	10°45	25°50	10°33	0° 8	12°35	0°11	13°29	2° 1	1°45	29°19	n.a.	W22
T 23	15 45 36	26°41'07	26°26	8°51	11°36	26° 1	10°40	0° 7	12°38	0°13	13°28	2° 1	1°42	29°26	n.a.	T 23
F 24	15 49 32	27°38'14	9♓18	10°36	12°27	26°13	10°47	0° 5	12°41	0°15	13°26	2° 1	1°39	29°32	n.a.	F 24
S 25	15 53 29	28°35'22	21°51	12°24	13°19	26°25	10°54	0° 4	12°44	0°17	13°24	2° 0	1°36	29°39	n.a.	S 25
S 26	15 57 25	29°32'29	4♈ 9	14°15	14°11	26°38	11° 2	0° 3	12°47	0°19	13°23	1°57	1°33	29°46	n.a.	S 26
M27	16 1 22	0♊29'36	16°16	16° 8	15° 4	26°51	11°10	0° 1	12°49	0°21	13°21	1°51	1°30	29°52	n.a.	M27
T 28	16 5 19	1°26'44	28°15	18° 4	15°57	27° 6	11°17	0° 0	12°52	0°23	13°20	1°43	1°26	29°59	n.a.	T 28
W29	16 9 15	2°23'51	10♉10	20° 2	16°51	27°20	11°25	29♍59	12°55	0°25	13°18	1°32	1°23	0♊ 6	n.a.	W29
T 30	16 13 12	3°20'59	22° 2	22° 3	17°46	27°36	11°33	29°59	12°58	0°27	13°17	1°19	1°20	0°13	n.a.	T 30
F 31	16 17 8	4♊18'07	3♊54	24♉ 5	18♈41	27♍52	11♌41	29♍58	13♋ 2	0♋29	13♏15	1♓ 5	1♓17	0♊19	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	13n35	15n59	4n14	2n21	3s24	1s32	0s 9	2n57	0n57	19n34	1n17	2n10	2n48	23n42	0n30	23n11	0s32	5s52	10n51	10s 5	10s34	24n41			n.a.
T 2	13 54	20 26	4 43	2 30	3 27	1 29	0 18	2 56	0 54	19 33	1 17	2 11	2 48	23 42	0 30	23 11	0 32	5 52	10 51	10 9	10 36	24 43			n.a.
F 3	14 13	24 4	4 59	2 42	3 29	1 24	0 26	2 55	0 51	19 32	1 17	2 12	2 48	23 42	0 30	23 11	0 32	5 51	10 51	10 14	10 37	24 44			n.a.
S 4	14 32	26 40	5 2	2 56	3 30	1 19	0 35	2 54	0 49	19 30	1 17	2 13	2 48	23 41	0 30	23 11	0 32	5 51	10 51	10 18	10 38	24 46			n.a.
S 5	14 50	28 5	4 52	3 12	3 30	1 13	0 43	2 52	0 46	19 29	1 17	2 14	2 48	23 41	0 30	23 11	0 32	5 51	10 51	10 22	10 39	24 48			n.a.
M 6	15 9	28 13	4 29	3 31	3 30	1 6	0 50	2 51	0 43	19 28	1 16	2 15	2 47	23 41	0 30	23 11	0 32	5 50	10 51	10 25	10 40	24 49			n.a.
T 7	15 27	27 0	3 54	3 52	3 28	0 58	0 58	2 48	0 40	19 26	1 16	2 16	2 47	23 41	0 30	23 11	0 32	5 50	10 51	10 27	10 41	24 51			n.a.
W 8	15 44	24 31	3 9	4 15	3 26	0 50	1 5	2 46	0 37	19 25	1 16	2 17	2 47	23 41	0 30	23 11	0 32	5 49	10 51	10 29	10 42	24 53			n.a.
T 9	16 2	20 51	2 13	4 39	3 23	0 41	1 12	2 43	0 35	19 23	1 16	2 18	2 47	23 40	0 30	23 11	0 32	5 49	10 51	10 29	10 44	24 54			n.a.
F 10	16 19	16 8	1 10	5 6	3 19	0 31	1 19	2 40	0 32	19 22	1 16	2 19	2 47	23 40	0 30	23 11	0 32	5 49	10 51	10 29	10 45	24 56			n.a.
S 11	16 36	10 34	0 1	5 35	3 15	0 21	1 25	2 37	0 29	19 20	1 16	2 20	2 46	23 40	0 30	23 11	0 32	5 48	10 51	10 29	10 46	24 58			n.a.
S 12	16 53	4 20	1s10	6 5	3 9	0 10	1 31	2 33	0 26	19 18	1 15	2 21	2 46	23 40	0 30	23 11	0 32	5 48	10 51	10 29	10 47	24 59			n.a.
M13	17 10	2s19	2 19	6 37	3 4	0n 2	1 37	2 29	0 24	19 17	1 15	2 22	2 46	23 39	0 30	23 11	0 32	5 48	10 50	10 30	10 48	25 1			n.a.
T 14	17 26	9 3	3 22	7 10	2 57	0 14	1 43	2 25	0 21	19 15	1 15	2 22	2 46	23 39	0 30	23 11	0 32	5 47	10 50	10 32	10 49	25 3			n.a.
W15	17 42	15 29	4 13	7 45	2 50	0 27	1 48	2 21	0 19	19 13	1 15	2 23	2 46	23 39	0 30	23 11	0 32	5 47	10 50	10 35	10 51	25 4			n.a.
T 16	17 57	21 6	4 47	8 21	2 43	0 40	1 53	2 16	0 16	19 11	1 15	2 24	2 45	23 39	0 30	23 11	0 32	5 47	10 50	10 38	10 52	25 6			n.a.
F 17	18 13	25 22	5 1	8 59	2 34	0 54	1 58	2 11	0 14	19 9	1 15	2 24	2 45	23 38	0 30	23 11	0 32	5 46	10 50	10 42	10 53	25 7			n.a.
S 18	18 28	27 47	4 53	9 37	2 26	1 8	2 3	2 6	0 11	19 7	1 15	2 25	2 45	23 38	0 30	23 11	0 32	5 46	10 50	10 45	10 54	25 9			n.a.
S 19	18 43	28 8	4 25	10 17	2 17	1 23	2 7	2 0	0 9	19 5	1 14	2 25	2 45	23 38	0 30	23 12	0 32	5 46	10 50	10 48	10 55	25 11			n.a.
M20	18 57	26 29	3 40	10 58	2 7	1 39	2 11	1 54	0 7	19 3	1 14	2 26	2 44	23 38	0 30	23 12	0 32	5 45	10 50	10 51	10 56	25 12			n.a.
T 21	19 11	23 9	2 43	11 40	1 57	1 54	2 15	1 48	0 4	19 1	1 14	2 26	2 44	23 37	0 30	23 12	0 32	5 45	10 49	10 52	10 57	25 14			n.a.
W22	19 25	18 37	1 38	12 23	1 47	2 10	2 19	1 42	0 2	18 59	1 14	2 27	2 44	23 37	0 30	23 12	0 32	5 45	10 49	10 53	10 59	25 15			n.a.
T 23	19 39	13 19	0 29	13 6	1 36	2 27	2 23	1 36	0s 0	18 57	1 14	2 27	2 44	23 37	0 30	23 12	0 32	5 44	10 49	10 53	11 0	25 17			n.a.
F 24	19 52	7 35	0n38	13 50	1 25	2 44	2 26	1 29	0 3	18 55	1 14	2 28	2 43	23 37	0 30	23 12	0 32	5 44	10 49	10 53	11 1	25 18			n.a.
S 25	20 5	1 42	1 43	14 34	1 14	3 1	2 30	1 22	0 5	18 53	1 13	2 28	2 43	23 36	0 30	23 12	0 32	5 44	10 49	10 53	11 2	25 20			n.a.
S 26	20 18	4n 7	2 41	15 18	1 3	3 19	2 33	1 15	0 7	18 51	1 13	2 28	2 43	23 36	0 30	23 12	0 32	5 44	10 48	10 54	11 3	25 21			n.a.
M27	20 30	9 42	3 31	16 2	0 52	3 37	2 35	1 8	0 9	18 48	1 13	2 28	2 43	23 36	0 30	23 12	0 32	5 43	10 48	10 56	11 4	25 23			n.a.
T 28	20 42	14 52	4 11	16 47	0 40	3 55	2 38	1 0	0 11	18 46	1 13	2 29	2 42	23 35	0 30	23 12	0 32	5 43	10 48	10 59	11 5	25 25			n.a.
W29	20 53	19 27	4 39	17 30	0 29	4 14	2 40	0 52	0 13	18 44	1 13	2 29	2 42	23 35	0 30	23 12	0 32	5 43	10 48	11 3	11 7	25 26			n.a.
T 30	21 5	23 15	4 55	18 13	0 17	4 33	2 43	0 44	0 15	18 41	1 13	2 29	2 42	23 35	0 30	23 12	0 32	5 43	10 48	11 8	11 8	25 28			n.a.
F 31	21n15	26n 4	4n59	18n55	0s 6	4n52	2s45	0n36	0s17	18n39	1n13	2n29	2n42	23n34	0n30	23n12	0s32	5s42	10n47	11s13	11s 9	25n29			n.a.

Julian Day Number = 1638631.5, Delta T = 03h37m42s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'56, Lahiri = - 7°04'55 Julian Calendar 1 May 227 BCE == Greg. Calendar 27 Apr. 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

JUNE 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 21 5	5♊15'14	15♊47	26♉10	19♈37	28♍ 8	11♌49	29°R57	13♋ 5	0♋31	13°R14	0°R52	1♓14	0♊26	n.a.	S 1
S 2	16 25 1	6°12'22	27°41	28°16	20°33	28°25	11°58	29♍57	13° 8	0°33	13♏12	0♓39	1°10	0°33	n.a.	S 2
M 3	16 28 58	7° 9'29	9♋40	0♊23	21°29	28°43	12° 6	29°56	13°11	0°35	13°11	0°29	1° 7	0°40	n.a.	M 3
T 4	16 32 55	8° 6'37	21°45	2°32	22°26	29° 1	12°15	29°56	13°14	0°37	13°10	0°21	1° 4	0°46	n.a.	T 4
W 5	16 36 51	9° 3'44	3♌58	4°41	23°23	29°20	12°24	29°55	13°17	0°39	13° 8	0°16	1° 1	0°53	n.a.	W 5
T 6	16 40 48	10° 0'52	16°24	6°51	24°21	29°39	12°32	29°55	13°21	0°41	13° 7	0°14	0°58	1° 0	n.a.	T 6
F 7	16 44 44	10°57'59	29° 6	9° 1	25°19	29°59	12°41	29°D55	13°24	0°43	13° 5	0°D14	0°55	1° 6	n.a.	F 7
S 8	16 48 41	11°55'06	12♍ 7	11°10	26°17	0♎19	12°50	29°55	13°27	0°46	13° 4	0°R14	0°51	1°13	n.a.	S 8
S 9	16 52 37	12°52'13	25°33	13°20	27°16	0°40	12°59	29°55	13°30	0°48	13° 3	0°13	0°48	1°20	n.a.	S 9
M10	16 56 34	13°49'20	9♎25	15°29	28°15	1° 1	13° 9	29°55	13°34	0°50	13° 1	0°11	0°45	1°27	n.a.	M10
T 11	17 0 30	14°46'27	23°44	17°37	29°15	1°23	13°18	29°56	13°37	0°52	13° 0	0° 7	0°42	1°33	n.a.	T 11
W12	17 4 27	15°43'34	8♏29	19°44	0♉15	1°45	13°27	29°56	13°40	0°54	12°59	0° 0	0°39	1°40	n.a.	W12
T 13	17 8 24	16°40'42	23°33	21°50	1°15	2° 8	13°37	29°57	13°44	0°56	12°57	29♒51	0°36	1°47	n.a.	T 13
F 14	17 12 20	17°37'50	8♐49	23°54	2°16	2°31	13°46	29°57	13°47	0°58	12°56	29°41	0°32	1°54	n.a.	F 14
S 15	17 16 17	18°34'58	24° 5	25°57	3°17	2°54	13°56	29°58	13°51	1° 1	12°55	29°32	0°29	2° 0	n.a.	S 15
S 16	17 20 13	19°32'07	9♑10	27°59	4°18	3°18	14° 6	29°59	13°54	1° 3	12°54	29°23	0°26	2° 7	n.a.	S 16
M17	17 24 10	20°29'17	23°55	29°59	5°19	3°43	14°16	29°59	13°58	1° 5	12°53	29°17	0°23	2°14	n.a.	M17
T 18	17 28 6	21°26'27	8♒14	1♋57	6°21	4° 8	14°26	0♎ 1	14° 1	1° 7	12°51	29°13	0°20	2°20	n.a.	T 18
W19	17 32 3	22°23'38	22° 3	3°54	7°23	4°33	14°36	0° 2	14° 4	1° 9	12°50	29°11	0°16	2°27	n.a.	W19
T 20	17 36 0	23°20'49	5♓24	5°49	8°25	4°58	14°46	0° 3	14° 8	1°12	12°49	29°D11	0°13	2°34	n.a.	T 20
F 21	17 39 56	24°18'02	18°19	7°42	9°28	5°24	14°56	0° 4	14°12	1°14	12°48	29°R12	0°10	2°41	n.a.	F 21
S 22	17 43 53	25°15'15	0♈53	9°34	10°31	5°51	15° 6	0° 5	14°15	1°16	12°47	29°12	0° 7	2°47	n.a.	S 22
S 23	17 47 49	26°12'30	13° 9	11°24	11°34	6°17	15°17	0° 7	14°19	1°18	12°46	29°10	0° 4	2°54	n.a.	S 23
M24	17 51 46	27° 9'46	25°14	13°12	12°38	6°44	15°27	0° 8	14°22	1°21	12°45	29° 7	0° 1	3° 1	n.a.	M24
T 25	17 55 42	28° 7'02	7♉10	14°58	13°41	7°12	15°38	0°10	14°26	1°23	12°44	29° 1	29♒57	3° 8	n.a.	T 25
W26	17 59 39	29° 4'20	19° 3	16°42	14°45	7°40	15°49	0°12	14°29	1°25	12°43	28°52	29°54	3°14	n.a.	W26
T 27	18 3 35	0♋ 1'39	0♊54	18°25	15°49	8° 8	15°59	0°14	14°33	1°27	12°42	28°42	29°51	3°21	n.a.	T 27
F 28	18 7 32	0°58'58	12°47	20° 6	16°53	8°36	16°10	0°16	14°37	1°29	12°41	28°32	29°48	3°28	n.a.	F 28
S 29	18 11 29	1°56'19	24°43	21°46	17°58	9° 5	16°21	0°18	14°40	1°32	12°40	28°21	29°45	3°34	n.a.	S 29
S 30	18 15 25	2♋53'41	6♋44	23♋23	19♉ 3	9♎34	16♌32	0♎20	14♋44	1♋34	12♏39	28♒11	29♒42	3♊41	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n26	27n45	4n49	19n37	0n 5	5n12	2s47	0n27	0s19	18n36	1n13	2n29	2n41	23n34	0n30	23n12	0s32	5s42	10n47	11s18	11s10	25n31		n.a.
S 2	21 36	28 9	4 27	20 16	0 16	5 31	2 48	0 19	0 21	18 34	1 12	2 29	2 41	23 34	0 30	23 12	0 32	5 42	10 47	11 22	11 11	25 32		n.a.
M 3	21 46	27 15	3 53	20 54	0 27	5 51	2 50	0 10	0 23	18 31	1 12	2 29	2 41	23 33	0 30	23 12	0 32	5 42	10 47	11 26	11 12	25 33		n.a.
T 4	21 55	25 2	3 8	21 31	0 37	6 11	2 51	0 1	0 25	18 29	1 12	2 29	2 41	23 33	0 30	23 12	0 32	5 42	10 46	11 29	11 13	25 35		n.a.
W 5	22 4	21 40	2 14	22 5	0 46	6 31	2 53	0s 8	0 27	18 26	1 12	2 29	2 40	23 33	0 30	23 12	0 32	5 42	10 46	11 30	11 15	25 36		n.a.
T 6	22 13	17 16	1 12	22 37	0 55	6 51	2 54	0 18	0 29	18 24	1 12	2 29	2 40	23 32	0 30	23 12	0 32	5 41	10 46	11 31	11 16	25 38		n.a.
F 7	22 21	12 1	0 6	23 7	1 4	7 12	2 55	0 27	0 31	18 21	1 12	2 28	2 40	23 32	0 30	23 12	0 32	5 41	10 46	11 31	11 17	25 39		n.a.
S 8	22 29	6 8	1s 3	23 34	1 12	7 32	2 56	0 37	0 32	18 18	1 12	2 28	2 40	23 32	0 30	23 12	0 32	5 41	10 45	11 31	11 18	25 41		n.a.
S 9	22 37	0s11	2 10	23 58	1 19	7 53	2 56	0 47	0 34	18 15	1 12	2 28	2 39	23 31	0 30	23 12	0 32	5 41	10 45	11 32	11 19	25 42		n.a.
M10	22 44	6 42	3 12	24 20	1 25	8 14	2 57	0 57	0 36	18 13	1 11	2 28	2 39	23 31	0 30	23 12	0 32	5 41	10 45	11 32	11 20	25 44		n.a.
T 11	22 51	13 5	4 3	24 39	1 31	8 35	2 57	1 8	0 37	18 10	1 11	2 27	2 39	23 31	0 30	23 12	0 32	5 41	10 45	11 34	11 21	25 45		n.a.
W12	22 57	18 55	4 41	24 55	1 36	8 56	2 57	1 18	0 39	18 7	1 11	2 27	2 39	23 30	0 30	23 12	0 32	5 41	10 44	11 36	11 23	25 46		n.a.
T 13	23 3	23 43	5 0	25 9	1 41	9 17	2 57	1 29	0 41	18 4	1 11	2 26	2 38	23 30	0 30	23 12	0 31	5 41	10 44	11 39	11 24	25 48		n.a.
F 14	23 8	26 56	4 58	25 19	1 44	9 38	2 57	1 39	0 42	18 1	1 11	2 26	2 38	23 30	0 30	23 12	0 31	5 40	10 44	11 43	11 25	25 49		n.a.
S 15	23 14	28 10	4 35	25 27	1 47	9 59	2 57	1 50	0 44	17 58	1 11	2 25	2 38	23 29	0 30	23 12	0 31	5 40	10 43	11 46	11 26	25 51		n.a.
S 16	23 18	27 16	3 53	25 32	1 50	10 20	2 57	2 1	0 45	17 55	1 11	2 25	2 38	23 29	0 30	23 12	0 31	5 40	10 43	11 49	11 27	25 52		n.a.
M17	23 23	24 28	2 56	25 35	1 51	10 41	2 56	2 13	0 47	17 52	1 11	2 24	2 37	23 29	0 30	23 12	0 31	5 40	10 43	11 52	11 28	25 53		n.a.
T 18	23 27	20 11	1 49	25 35	1 52	11 2	2 56	2 24	0 48	17 49	1 11	2 24	2 37	23 28	0 30	23 12	0 31	5 40	10 42	11 53	11 29	25 55		n.a.
W19	23 30	14 55	0 38	25 32	1 52	11 23	2 55	2 35	0 50	17 46	1 10	2 23	2 37	23 28	0 30	23 12	0 31	5 40	10 42	11 54	11 30	25 56		n.a.
T 20	23 33	9 8	0n33	25 28	1 52	11 44	2 54	2 47	0 51	17 43	1 10	2 22	2 37	23 27	0 30	23 12	0 31	5 40	10 42	11 54	11 32	25 57		n.a.
F 21	23 36	3 8	1 40	25 21	1 51	12 5	2 53	2 59	0 53	17 40	1 10	2 21	2 36	23 27	0 30	23 12	0 31	5 40	10 41	11 53	11 33	25 59		n.a.
S 22	23 38	2n48	2 40	25 12	1 50	12 26	2 52	3 10	0 54	17 37	1 10	2 21	2 36	23 27	0 30	23 12	0 31	5 40	10 41	11 53	11 34	26 0		n.a.
S 23	23 40	8 30	3 32	25 1	1 47	12 46	2 51	3 22	0 55	17 34	1 10	2 20	2 36	23 26	0 30	23 12	0 31	5 40	10 41	11 54	11 35	26 1		n.a.
M24	23 42	13 47	4 13	24 48	1 45	13 7	2 50	3 34	0 57	17 30	1 10	2 19	2 35	23 26	0 30	23 12	0 31	5 40	10 40	11 55	11 36	26 3		n.a.
T 25	23 43	18 30	4 42	24 33	1 42	13 27	2 49	3 47	0 58	17 27	1 10	2 18	2 35	23 26	0 30	23 12	0 31	5 40	10 40	11 57	11 37	26 4		n.a.
W26	23 43	22 29	4 59	24 17	1 38	13 48	2 47	3 59	0 59	17 24	1 10	2 17	2 35	23 25	0 30	23 12	0 31	5 40	10 40	12 0	11 38	26 5		n.a.
T 27	23 43	25 31	5 3	23 59	1 34	14 8	2 46	4 11	1 1	17 20	1 10	2 16	2 35	23 25	0 30	23 12	0 31	5 40	10 39	12 4	11 40	26 7		n.a.
F 28	23 43	27 28	4 55	23 40	1 29	14 28	2 44	4 24	1 2	17 17	1 10	2 15	2 34	23 24	0 30	23 12	0 31	5 40	10 39	12 8	11 41	26 8		n.a.
S 29	23 43	28 10	4 33	23 19	1 24	14 48	2 42	4 37	1 3	17 14	1 10	2 14	2 34	23 24	0 30	23 12	0 31	5 41	10 39	12 11	11 42	26 9		n.a.
S 30	23n42	27n31	3n59	22n57	1n18	15n 7	2s40	4s49	1s 4	17n10	1n 9	2n13	2n34	23n24	0n30	23n12	0s31	5s41	10n38	12s15	11s43	26n10		n.a.

Julian Day Number = 1638662.5, Delta T = 03h37m41s
Ecliptic obliquity = 23°43'29, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'52, Lahiri = - 7°04'51 Julian Calendar 1 June 227 BCE == Greg. Calendar 28 May 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

JULY 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 19 22	3♋51'03	18♋52	24♋59	20♉ 8	10♎ 4	16♌43	0♎22	14♋48	1♋36	12°R38	28°R 3	29♒38	3♊48	n.a.	M 1
T 2	18 23 18	4°48'27	1♌ 7	26°34	21°13	10°34	16°54	0°24	14°51	1°38	12♏38	27♒58	29°35	3°55	n.a.	T 2
W 3	18 27 15	5°45'52	13°31	28° 6	22°18	11° 4	17° 5	0°27	14°55	1°41	12°37	27°54	29°32	4° 1	n.a.	W 3
T 4	18 31 11	6°43'17	26° 6	29°37	23°24	11°34	17°16	0°29	14°59	1°43	12°36	27°D53	29°29	4° 8	n.a.	T 4
F 5	18 35 8	7°40'43	8♍56	1♌ 6	24°29	12° 5	17°28	0°32	15° 2	1°45	12°35	27°54	29°26	4°15	n.a.	F 5
S 6	18 39 4	8°38'10	22° 2	2°33	25°35	12°36	17°39	0°34	15° 6	1°47	12°34	27°55	29°22	4°21	n.a.	S 6
S 7	18 43 1	9°35'38	5♎27	3°59	26°41	13° 8	17°50	0°37	15°10	1°50	12°34	27°R56	29°19	4°28	n.a.	S 7
M 8	18 46 58	10°33'06	19°13	5°22	27°48	13°39	18° 2	0°40	15°13	1°52	12°33	27°55	29°16	4°35	n.a.	M 8
T 9	18 50 54	11°30'36	3♏22	6°44	28°54	14°11	18°13	0°43	15°17	1°54	12°33	27°53	29°13	4°42	n.a.	T 9
W10	18 54 51	12°28'07	17°51	8° 4	0♊ 1	14°43	18°25	0°46	15°21	1°56	12°32	27°50	29°10	4°48	n.a.	W10
T 11	18 58 47	13°25'39	2♐38	9°22	1° 7	15°16	18°37	0°49	15°25	1°58	12°31	27°44	29° 7	4°55	n.a.	T 11
F 12	19 2 44	14°23'11	17°36	10°38	2°14	15°49	18°48	0°52	15°28	2° 1	12°31	27°38	29° 3	5° 2	n.a.	F 12
S 13	19 6 40	15°20'45	2♑36	11°52	3°21	16°22	19° 0	0°55	15°32	2° 3	12°30	27°32	29° 0	5° 9	n.a.	S 13
S 14	19 10 37	16°18'21	17°30	13° 4	4°29	16°55	19°12	0°59	15°36	2° 5	12°30	27°26	28°57	5°15	n.a.	S 14
M15	19 14 34	17°15'57	2♒ 8	14°14	5°36	17°28	19°24	1° 2	15°39	2° 7	12°29	27°22	28°54	5°22	n.a.	M15
T 16	19 18 30	18°13'35	16°25	15°21	6°44	18° 2	19°36	1° 5	15°43	2° 9	12°29	27°20	28°51	5°29	n.a.	T 16
W17	19 22 27	19°11'15	0♓17	16°26	7°51	18°36	19°48	1° 9	15°47	2°11	12°29	27°D20	28°48	5°35	n.a.	W17
T 18	19 26 23	20° 8'56	13°42	17°29	8°59	19°10	20° 0	1°13	15°51	2°14	12°28	27°21	28°44	5°42	n.a.	T 18
F 19	19 30 20	21° 6'39	26°41	18°29	10° 7	19°45	20°12	1°16	15°54	2°16	12°28	27°22	28°41	5°49	n.a.	F 19
S 20	19 34 16	22° 4'23	9♈19	19°27	11°15	20°19	20°24	1°20	15°58	2°18	12°28	27°24	28°38	5°56	n.a.	S 20
S 21	19 38 13	23° 2'10	21°38	20°21	12°24	20°54	20°36	1°24	16° 2	2°20	12°27	27°R24	28°35	6° 2	n.a.	S 21
M22	19 42 9	23°59'58	3♉44	21°13	13°32	21°29	20°49	1°28	16° 5	2°22	12°27	27°24	28°32	6° 9	n.a.	M22
T 23	19 46 6	24°57'48	15°41	22° 1	14°41	22° 5	21° 1	1°32	16° 9	2°24	12°27	27°22	28°28	6°16	n.a.	T 23
W24	19 50 2	25°55'40	27°33	22°46	15°49	22°40	21°13	1°36	16°13	2°26	12°27	27°19	28°25	6°23	n.a.	W24
T 25	19 53 59	26°53'34	9♊26	23°28	16°58	23°16	21°25	1°41	16°16	2°28	12°27	27°14	28°22	6°29	n.a.	T 25
F 26	19 57 56	27°51'30	21°21	24° 5	18° 7	23°52	21°38	1°45	16°20	2°30	12°27	27° 9	28°19	6°36	n.a.	F 26
S 27	20 1 52	28°49'27	3♋22	24°39	19°16	24°28	21°50	1°49	16°24	2°32	12°26	27° 4	28°16	6°43	n.a.	S 27
S 28	20 5 49	29°47'27	15°32	25° 8	20°26	25° 4	22° 3	1°54	16°27	2°34	12°26	27° 0	28°13	6°49	n.a.	S 28
M29	20 9 45	0♌45'28	27°51	25°33	21°35	25°41	22°15	1°58	16°31	2°36	12°D26	26°56	28° 9	6°56	n.a.	M29
T 30	20 13 42	1°43'31	10♌21	25°53	22°45	26°18	22°28	2° 3	16°35	2°38	12°26	26°54	28° 6	7° 3	n.a.	T 30
W31	20 17 38	2♌41'35	23♌ 2	26♌ 9	23♊54	26♎55	22♌40	2♎ 7	16♋38	2♋40	12♏27	26°D53	28♒ 3	7♊10	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23n40	25n34	3n13	22n34	1n12	15n26	2s39	5s 2	1s 6	17n 7	1n 9	2n12	2n34	23n23	0n30	23n12	0s31	5s41	10n38	12s17	11s44	26n12			n.a.
T 2	23 38	22 24	2 19	22 10	1 6	15 46	2 37	5 15	1 7	17 3	1 9	2 11	2 33	23 23	0 30	23 12	0 31	5 41	10 37	12 19	11 45	26 13			n.a.
W 3	23 36	18 11	1 16	21 45	0 59	16 5	2 34	5 28	1 8	17 0	1 9	2 10	2 33	23 22	0 30	23 12	0 31	5 41	10 37	12 21	11 46	26 14			n.a.
T 4	23 33	13 7	0 10	21 19	0 52	16 23	2 32	5 41	1 9	16 56	1 9	2 8	2 33	23 22	0 30	23 12	0 31	5 41	10 37	12 21	11 47	26 16			n.a.
F 5	23 30	7 24	0s59	20 53	0 45	16 42	2 30	5 54	1 10	16 53	1 9	2 7	2 33	23 21	0 30	23 12	0 31	5 41	10 36	12 21	11 49	26 17			n.a.
S 6	23 26	1 16	2 6	20 25	0 37	17 0	2 28	6 8	1 11	16 49	1 9	2 6	2 32	23 21	0 30	23 12	0 31	5 41	10 36	12 20	11 50	26 18			n.a.
S 7	23 22	5s 4	3 8	19 57	0 29	17 18	2 25	6 21	1 12	16 46	1 9	2 4	2 32	23 21	0 30	23 12	0 31	5 42	10 36	12 20	11 51	26 19			n.a.
M 8	23 18	11 19	4 1	19 29	0 20	17 35	2 23	6 34	1 13	16 42	1 9	2 3	2 32	23 20	0 30	23 11	0 31	5 42	10 35	12 20	11 52	26 20			n.a.
T 9	23 13	17 10	4 41	19 0	0 12	17 52	2 20	6 48	1 14	16 38	1 9	2 2	2 32	23 20	0 30	23 11	0 31	5 42	10 35	12 21	11 53	26 22			n.a.
W10	23 8	22 12	5 4	18 31	0 3	18 9	2 18	7 1	1 15	16 35	1 9	2 0	2 31	23 19	0 30	23 11	0 31	5 42	10 34	12 22	11 54	26 23			n.a.
T 11	23 2	25 57	5 7	18 1	0s 6	18 26	2 15	7 15	1 16	16 31	1 9	1 59	2 31	23 19	0 30	23 11	0 31	5 42	10 34	12 24	11 55	26 24			n.a.
F 12	22 56	27 57	4 50	17 32	0 16	18 42	2 12	7 29	1 17	16 27	1 9	1 57	2 31	23 19	0 30	23 11	0 31	5 43	10 34	12 26	11 56	26 25			n.a.
S 13	22 50	27 55	4 13	17 2	0 25	18 57	2 10	7 42	1 18	16 23	1 9	1 56	2 31	23 18	0 30	23 11	0 31	5 43	10 33	12 28	11 57	26 26			n.a.
S 14	22 43	25 51	3 19	16 32	0 35	19 13	2 7	7 56	1 19	16 19	1 9	1 54	2 30	23 18	0 30	23 11	0 31	5 43	10 33	12 30	11 59	26 28			n.a.
M15	22 36	22 4	2 12	16 2	0 45	19 28	2 4	8 10	1 20	16 16	1 8	1 53	2 30	23 17	0 30	23 11	0 31	5 43	10 32	12 32	12 0	26 29			n.a.
T 16	22 28	17 2	0 59	15 33	0 55	19 42	2 1	8 24	1 21	16 12	1 8	1 51	2 30	23 17	0 30	23 11	0 31	5 44	10 32	12 32	12 1	26 30			n.a.
W17	22 20	11 15	0n16	15 3	1 5	19 56	1 58	8 38	1 22	16 8	1 8	1 49	2 30	23 16	0 30	23 11	0 31	5 44	10 31	12 33	12 2	26 31			n.a.
T 18	22 12	5 8	1 28	14 34	1 16	20 10	1 55	8 52	1 23	16 4	1 8	1 48	2 30	23 16	0 30	23 11	0 31	5 44	10 31	12 32	12 3	26 32			n.a.
F 19	22 3	1n 0	2 33	14 6	1 26	20 23	1 52	9 6	1 23	16 0	1 8	1 46	2 29	23 15	0 30	23 11	0 31	5 45	10 31	12 32	12 4	26 33			n.a.
S 20	21 54	6 55	3 29	13 38	1 37	20 36	1 49	9 20	1 24	15 56	1 8	1 44	2 29	23 15	0 30	23 11	0 31	5 45	10 30	12 31	12 5	26 34			n.a.
S 21	21 44	12 26	4 13	13 10	1 48	20 48	1 45	9 34	1 25	15 52	1 8	1 42	2 29	23 15	0 30	23 11	0 31	5 45	10 30	12 31	12 6	26 36			n.a.
M22	21 34	17 23	4 46	12 44	1 59	21 0	1 42	9 48	1 26	15 48	1 8	1 41	2 29	23 14	0 30	23 11	0 31	5 46	10 29	12 31	12 8	26 37			n.a.
T 23	21 24	21 35	5 5	12 18	2 9	21 12	1 39	10 2	1 27	15 44	1 8	1 39	2 28	23 14	0 30	23 11	0 31	5 46	10 29	12 32	12 9	26 38			n.a.
W24	21 13	24 54	5 12	11 53	2 20	21 22	1 36	10 16	1 27	15 40	1 8	1 37	2 28	23 13	0 30	23 11	0 31	5 46	10 28	12 33	12 10	26 39			n.a.
T 25	21 2	27 9	5 5	11 29	2 31	21 33	1 32	10 30	1 28	15 36	1 8	1 35	2 28	23 13	0 30	23 11	0 31	5 47	10 28	12 35	12 11	26 40			n.a.
F 26	20 50	28 10	4 45	11 7	2 41	21 42	1 29	10 45	1 29	15 32	1 8	1 33	2 28	23 12	0 30	23 11	0 31	5 47	10 28	12 36	12 12	26 41			n.a.
S 27	20 38	27 53	4 12	10 46	2 52	21 52	1 26	10 59	1 30	15 28	1 8	1 31	2 28	23 12	0 30	23 11	0 31	5 48	10 27	12 38	12 13	26 42			n.a.
S 28	20 26	26 14	3 27	10 26	3 2	22 0	1 22	11 13	1 30	15 24	1 8	1 29	2 27	23 12	0 30	23 11	0 31	5 48	10 27	12 40	12 14	26 43			n.a.
M29	20 14	23 20	2 33	10 9	3 12	22 8	1 19	11 27	1 31	15 20	1 8	1 27	2 27	23 11	0 30	23 11	0 31	5 48	10 26	12 41	12 15	26 44			n.a.
T 30	20 1	19 18	1 30	9 53	3 22	22 16	1 16	11 41	1 32	15 16	1 8	1 25	2 27	23 11	0 30	23 11	0 31	5 49	10 26	12 42	12 16	26 45			n.a.
W31	19n48	14n20	0n21	9n39	3s31	22n23	1s12	11s55	1s32	15n11	1n 8	1n23	2n27	23n10	0n30	23n11	0s31	5s49	10n25	12s42	12s18	26n46			n.a.

Julian Day Number = 1638692.5, Delta T = 03h37m40s
Ecliptic obliquity = 23°43'29, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'48, Lahiri = - 7°04'47 Julian Calendar 1 July 227 BCE == Greg. Calendar 27 June 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

AUGUST 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 21 35	3♌39'41	5♍56	26♌18	25♊ 4	27♎32	22♌53	2♎12	16♋42	2♋42	12♏27	26♒53	28♒ 0	7♊16	n.a.	T 1
F 2	20 25 32	4°37'49	19° 3	26°R22	26°14	28° 9	23° 6	2°17	16°45	2°44	12°27	26°54	27°57	7°23	n.a.	F 2
S 3	20 29 28	5°35'58	2♎23	26°21	27°24	28°47	23°18	2°22	16°49	2°46	12°27	26°56	27°54	7°30	n.a.	S 3
S 4	20 33 25	6°34'09	15°58	26°13	28°34	29°25	23°31	2°27	16°53	2°48	12°27	26°57	27°50	7°36	n.a.	S 4
M 5	20 37 21	7°32'21	29°47	25°59	29°44	0♏ 3	23°44	2°32	16°56	2°50	12°27	26°58	27°47	7°43	n.a.	M 5
T 6	20 41 18	8°30'36	13♏50	25°39	0♋54	0°41	23°57	2°37	17° 0	2°52	12°28	26°R58	27°44	7°50	n.a.	T 6
W 7	20 45 14	9°28'51	28° 6	25°12	2° 5	1°19	24° 9	2°42	17° 3	2°54	12°28	26°57	27°41	7°57	n.a.	W 7
T 8	20 49 11	10°27'09	12♐33	24°38	3°15	1°57	24°22	2°47	17° 7	2°56	12°28	26°56	27°38	8° 3	n.a.	T 8
F 9	20 53 7	11°25'28	27° 6	23°59	4°26	2°36	24°35	2°52	17°10	2°58	12°29	26°54	27°34	8°10	n.a.	F 9
S 10	20 57 4	12°23'48	11♑41	23°14	5°37	3°15	24°48	2°58	17°14	3° 0	12°29	26°52	27°31	8°17	n.a.	S 10
S 11	21 1 1	13°22'11	26°11	22°24	6°47	3°54	25° 1	3° 3	17°17	3° 1	12°29	26°50	27°28	8°24	n.a.	S 11
M12	21 4 57	14°20'35	10♒30	21°29	7°58	4°33	25°14	3° 8	17°20	3° 3	12°30	26°49	27°25	8°30	n.a.	M12
T 13	21 8 54	15°19'01	24°33	20°31	9° 9	5°12	25°26	3°14	17°24	3° 5	12°30	26°D49	27°22	8°37	n.a.	T 13
W14	21 12 50	16°17'30	8♓16	19°30	10°20	5°52	25°39	3°19	17°27	3° 7	12°31	26°49	27°19	8°44	n.a.	W14
T 15	21 16 47	17°16'00	21°38	18°28	11°32	6°31	25°52	3°25	17°31	3° 8	12°31	26°50	27°15	8°50	n.a.	T 15
F 16	21 20 43	18°14'32	4♈38	17°26	12°43	7°11	26° 5	3°31	17°34	3°10	12°32	26°50	27°12	8°57	n.a.	F 16
S 17	21 24 40	19°13'07	17°17	16°25	13°54	7°51	26°18	3°36	17°37	3°12	12°33	26°51	27° 9	9° 4	n.a.	S 17
S 18	21 28 36	20°11'44	29°39	15°28	15° 6	8°31	26°31	3°42	17°41	3°13	12°33	26°52	27° 6	9°11	n.a.	S 18
M19	21 32 33	21°10'23	11♉47	14°35	16°18	9°11	26°44	3°48	17°44	3°15	12°34	26°52	27° 3	9°17	n.a.	M19
T 20	21 36 29	22° 9'05	23°45	13°49	17°29	9°51	26°57	3°54	17°47	3°17	12°35	26°R52	27° 0	9°24	n.a.	T 20
W21	21 40 26	23° 7'49	5♊39	13° 9	18°41	10°31	27°10	4° 0	17°50	3°18	12°35	26°52	26°56	9°31	n.a.	W21
T 22	21 44 23	24° 6'35	17°32	12°38	19°53	11°12	27°23	4° 6	17°53	3°20	12°36	26°52	26°53	9°37	n.a.	T 22
F 23	21 48 19	25° 5'24	29°29	12°15	21° 5	11°53	27°36	4°12	17°57	3°21	12°37	26°52	26°50	9°44	n.a.	F 23
S 24	21 52 16	26° 4'15	11♋34	12° 2	22°17	12°33	27°49	4°18	18° 0	3°23	12°38	26°52	26°47	9°51	n.a.	S 24
S 25	21 56 12	27° 3'08	23°50	11°D59	23°30	13°14	28° 2	4°24	18° 3	3°24	12°39	26°D52	26°44	9°58	n.a.	S 25
M26	22 0 9	28° 2'04	6♌20	12° 6	24°42	13°55	28°15	4°30	18° 6	3°26	12°40	26°52	26°40	10° 4	n.a.	M26
T 27	22 4 5	29° 1'02	19° 6	12°23	25°54	14°37	28°28	4°36	18° 9	3°27	12°41	26°52	26°37	10°11	n.a.	T 27
W28	22 8 2	0♍ 0'02	2♍ 7	12°50	27° 7	15°18	28°41	4°42	18°12	3°29	12°42	26°R52	26°34	10°18	n.a.	W28
T 29	22 11 58	0°59'04	15°25	13°26	28°19	15°59	28°55	4°49	18°15	3°30	12°43	26°52	26°31	10°25	n.a.	T 29
F 30	22 15 55	1°58'08	28°57	14°11	29°32	16°41	29° 8	4°55	18°18	3°31	12°44	26°51	26°28	10°31	n.a.	F 30
S 31	22 19 52	2♍57'14	12♎42	15♌ 4	0♌44	17♏23	29♌21	5♎ 1	18♋21	3♋33	12♏45	26♒51	26♒25	10♊38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	19n34	8n41	0s50	9n27	3s40	22n29	1s 9	12s10	1s33	15n 7	1n 8	1n21	2n27	23n10	0n30	23n11	0s31	5s50	10n25	12s42	12s19	26n47			n.a.
F 2	19 20	2 34	1 59	9 18	3 48	22 35	1 5	12 24	1 33	15 3	1 8	1 19	2 26	23 9	0 30	23 11	0 31	5 50	10 25	12 42	12 20	26 48			n.a.
S 3	19 6	3s45	3 3	9 12	3 55	22 40	1 2	12 38	1 34	14 59	1 8	1 17	2 26	23 9	0 30	23 11	0 31	5 51	10 24	12 41	12 21	26 49			n.a.
S 4	18 51	10 0	3 58	9 8	4 2	22 45	0 58	12 52	1 35	14 54	1 8	1 15	2 26	23 9	0 30	23 11	0 31	5 51	10 24	12 41	12 22	26 50			n.a.
M 5	18 36	15 53	4 41	9 8	4 7	22 49	0 55	13 6	1 35	14 50	1 8	1 12	2 26	23 8	0 30	23 11	0 31	5 52	10 23	12 40	12 23	26 51			n.a.
T 6	18 21	21 3	5 7	9 10	4 12	22 52	0 51	13 20	1 36	14 46	1 8	1 10	2 26	23 8	0 30	23 11	0 31	5 52	10 23	12 40	12 24	26 52			n.a.
W 7	18 6	25 5	5 15	9 16	4 15	22 55	0 48	13 34	1 36	14 42	1 8	1 8	2 25	23 7	0 30	23 11	0 31	5 53	10 22	12 40	12 25	26 53			n.a.
T 8	17 50	27 35	5 4	9 26	4 17	22 57	0 44	13 48	1 37	14 37	1 8	1 6	2 25	23 7	0 30	23 10	0 31	5 53	10 22	12 41	12 26	26 54			n.a.
F 9	17 34	28 14	4 33	9 38	4 17	22 58	0 41	14 2	1 37	14 33	1 8	1 3	2 25	23 6	0 30	23 10	0 31	5 54	10 21	12 42	12 28	26 55			n.a.
S 10	17 17	26 55	3 44	9 54	4 16	22 59	0 38	14 16	1 38	14 28	1 8	1 1	2 25	23 6	0 30	23 10	0 31	5 54	10 21	12 42	12 29	26 56			n.a.
S 11	17 0	23 48	2 41	10 14	4 13	22 59	0 34	14 30	1 38	14 24	1 8	0 59	2 25	23 5	0 30	23 10	0 31	5 55	10 21	12 43	12 30	26 57			n.a.
M12	16 43	19 15	1 29	10 36	4 8	22 58	0 31	14 44	1 39	14 20	1 8	0 57	2 24	23 5	0 30	23 10	0 31	5 55	10 20	12 43	12 31	26 58			n.a.
T 13	16 26	13 42	0 13	11 2	4 0	22 57	0 27	14 58	1 39	14 15	1 8	0 54	2 24	23 5	0 30	23 10	0 31	5 56	10 20	12 43	12 32	26 59			n.a.
W14	16 9	7 36	1n 3	11 29	3 51	22 55	0 24	15 12	1 40	14 11	1 8	0 52	2 24	23 4	0 30	23 10	0 31	5 56	10 19	12 43	12 33	27 0			n.a.
T 15	15 51	1 19	2 13	11 59	3 40	22 53	0 20	15 25	1 40	14 7	1 8	0 49	2 24	23 4	0 30	23 10	0 31	5 57	10 19	12 43	12 34	27 1			n.a.
F 16	15 33	4n50	3 14	12 30	3 27	22 50	0 17	15 39	1 40	14 2	1 8	0 47	2 24	23 3	0 30	23 10	0 31	5 58	10 18	12 43	12 35	27 2			n.a.
S 17	15 14	10 37	4 4	13 3	3 13	22 46	0 14	15 53	1 41	13 58	1 8	0 45	2 24	23 3	0 30	23 10	0 31	5 58	10 18	12 42	12 36	27 3			n.a.
S 18	14 56	15 52	4 42	13 35	2 56	22 41	0 10	16 6	1 41	13 53	1 8	0 42	2 23	23 3	0 30	23 10	0 31	5 59	10 18	12 42	12 37	27 4			n.a.
M19	14 37	20 23	5 6	14 7	2 39	22 36	0 7	16 20	1 42	13 49	1 8	0 40	2 23	23 2	0 30	23 10	0 31	5 59	10 17	12 42	12 39	27 4			n.a.
T 20	14 18	24 2	5 16	14 38	2 20	22 30	0 4	16 33	1 42	13 44	1 8	0 37	2 23	23 2	0 30	23 10	0 31	6 0	10 17	12 42	12 40	27 5			n.a.
W21	13 58	26 38	5 13	15 8	2 1	22 24	0 0	16 46	1 42	13 40	1 8	0 35	2 23	23 1	0 30	23 10	0 31	6 1	10 16	12 42	12 41	27 6			n.a.
T 22	13 39	28 3	4 57	15 35	1 42	22 17	0n 3	16 59	1 43	13 35	1 8	0 32	2 23	23 1	0 30	23 10	0 31	6 1	10 16	12 42	12 42	27 7			n.a.
F 23	13 19	28 10	4 27	16 1	1 22	22 9	0 6	17 12	1 43	13 31	1 8	0 30	2 23	23 1	0 30	23 10	0 31	6 2	10 15	12 42	12 43	27 8			n.a.
S 24	12 59	26 57	3 45	16 23	1 3	22 0	0 9	17 25	1 43	13 26	1 8	0 27	2 23	23 0	0 30	23 10	0 31	6 3	10 15	12 42	12 44	27 9			n.a.
S 25	12 38	24 26	2 53	16 42	0 44	21 51	0 12	17 38	1 43	13 22	1 8	0 24	2 22	23 0	0 30	23 10	0 31	6 3	10 15	12 42	12 45	27 10			n.a.
M26	12 18	20 42	1 51	16 57	0 26	21 42	0 15	17 51	1 44	13 17	1 8	0 22	2 22	22 59	0 31	23 10	0 31	6 4	10 14	12 42	12 46	27 10			n.a.
T 27	11 57	15 57	0 43	17 9	0 8	21 31	0 18	18 4	1 44	13 12	1 8	0 19	2 22	22 59	0 31	23 10	0 31	6 5	10 14	12 42	12 47	27 11			n.a.
W28	11 36	10 23	0s29	17 18	0n 8	21 20	0 21	18 17	1 44	13 8	1 8	0 17	2 22	22 59	0 31	23 10	0 31	6 5	10 13	12 42	12 48	27 12			n.a.
T 29	11 15	4 16	1 41	17 22	0 24	21 8	0 24	18 29	1 44	13 3	1 8	0 14	2 22	22 58	0 31	23 10	0 31	6 6	10 13	12 42	12 50	27 13			n.a.
F 30	10 54	2s 9	2 49	17 23	0 38	20 56	0 27	18 41	1 45	12 59	1 8	0 11	2 22	22 58	0 31	23 10	0 31	6 7	10 12	12 43	12 51	27 14			n.a.
S 31	10n32	8s33	3s47	17n19	0n51	20n43	0n30	18s54	1s45	12n54	1n 8	0n 9	2n22	22n57	0n31	23n10	0s31	6s 7	10n12	12s43	12s52	27n15			n.a.

Julian Day Number = 1638723.5, Delta T = 03h37m39s
Ecliptic obliquity = 23°43'29, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'43, Lahiri = - 7°04'43 Julian Calendar 1 Aug. 227 BCE == Greg. Calendar 28 July 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

SEPTEMBER 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 23 48	3♍56'22	26♎37	16♌ 4	1♌57	18♏ 5	29♌34	5♎ 8	18♋24	3♋34	12♏46	26°R50	26♒21	10♊45	n.a.	S 1
M 2	22 27 45	4°55'31	10♏40	17°12	3°10	18°47	29°47	5°14	18°27	3°35	12°47	26♒49	26°18	10°51	n.a.	M 2
T 3	22 31 41	5°54'43	24°49	18°26	4°23	19°29	29°59	5°21	18°29	3°37	12°48	26°48	26°15	10°58	n.a.	T 3
W 4	22 35 38	6°53'57	9♐ 2	19°45	5°36	20°11	0♍13	5°27	18°32	3°38	12°49	26°D48	26°12	11° 5	n.a.	W 4
T 5	22 39 34	7°53'13	23°15	21° 9	6°49	20°53	0°26	5°34	18°35	3°39	12°51	26°49	26° 9	11°12	n.a.	T 5
F 6	22 43 31	8°52'30	7♑26	22°37	8° 2	21°35	0°39	5°40	18°38	3°40	12°52	26°49	26° 5	11°18	n.a.	F 6
S 7	22 47 27	9°51'49	21°34	24° 9	9°15	22°18	0°52	5°47	18°40	3°41	12°53	26°50	26° 2	11°25	n.a.	S 7
S 8	22 51 24	10°51'11	5♒34	25°43	10°29	23° 0	1° 5	5°54	18°43	3°42	12°54	26°51	25°59	11°32	n.a.	S 8
M 9	22 55 21	11°50'34	19°26	27°20	11°42	23°43	1°18	6° 0	18°45	3°43	12°56	26°52	25°56	11°38	n.a.	M 9
T 10	22 59 17	12°49'59	3♓ 6	28°59	12°55	24°26	1°30	6° 7	18°48	3°44	12°57	26°R52	25°53	11°45	n.a.	T 10
W11	23 3 14	13°49'26	16°31	0♍40	14° 9	25° 9	1°43	6°14	18°50	3°45	12°58	26°51	25°50	11°52	n.a.	W11
T 12	23 7 10	14°48'55	29°40	2°22	15°22	25°52	1°56	6°21	18°53	3°46	13° 0	26°50	25°46	11°59	n.a.	T 12
F 13	23 11 7	15°48'26	12♈33	4° 4	16°36	26°35	2° 9	6°27	18°55	3°47	13° 1	26°47	25°43	12° 5	n.a.	F 13
S 14	23 15 3	16°48'00	25° 9	5°48	17°50	27°18	2°22	6°34	18°58	3°48	13° 3	26°44	25°40	12°12	n.a.	S 14
S 15	23 19 0	17°47'36	7♉30	7°31	19° 3	28° 1	2°35	6°41	19° 0	3°49	13° 4	26°41	25°37	12°19	n.a.	S 15
M16	23 22 56	18°47'15	19°38	9°15	20°17	28°44	2°48	6°48	19° 2	3°50	13° 6	26°38	25°34	12°25	n.a.	M16
T 17	23 26 53	19°46'55	1♊37	10°59	21°31	29°28	3° 0	6°55	19° 5	3°51	13° 7	26°35	25°31	12°32	n.a.	T 17
W18	23 30 49	20°46'39	13°30	12°43	22°45	0♐11	3°13	7° 2	19° 7	3°52	13° 9	26°34	25°27	12°39	n.a.	W18
T 19	23 34 46	21°46'24	25°23	14°27	23°59	0°55	3°26	7° 9	19° 9	3°52	13°11	26°D34	25°24	12°46	n.a.	T 19
F 20	23 38 43	22°46'12	7♋19	16°10	25°13	1°39	3°39	7°16	19°11	3°53	13°12	26°35	25°21	12°52	n.a.	F 20
S 21	23 42 39	23°46'02	19°24	17°53	26°27	2°22	3°51	7°23	19°13	3°54	13°14	26°36	25°18	12°59	n.a.	S 21
S 22	23 46 36	24°45'55	1♌42	19°36	27°41	3° 6	4° 4	7°30	19°15	3°55	13°16	26°38	25°15	13° 6	n.a.	S 22
M23	23 50 32	25°45'49	14°18	21°18	28°55	3°50	4°16	7°37	19°17	3°55	13°17	26°39	25°11	13°12	n.a.	M23
T 24	23 54 29	26°45'46	27°14	23° 0	0♍10	4°34	4°29	7°44	19°19	3°56	13°19	26°R40	25° 8	13°19	n.a.	T 24
W25	23 58 25	27°45'45	10♍31	24°41	1°24	5°18	4°42	7°51	19°21	3°56	13°21	26°39	25° 5	13°26	n.a.	W25
T 26	0 2 22	28°45'46	24°10	26°22	2°38	6° 2	4°54	7°58	19°23	3°57	13°22	26°37	25° 2	13°33	n.a.	T 26
F 27	0 6 18	29°45'50	8♎ 9	28° 2	3°53	6°47	5° 6	8° 5	19°25	3°57	13°24	26°33	24°59	13°39	n.a.	F 27
S 28	0 10 15	0♎45'55	22°23	29°42	5° 7	7°31	5°19	8°12	19°26	3°58	13°26	26°28	24°56	13°46	n.a.	S 28
S 29	0 14 12	1°46'02	6♏47	1♎21	6°22	8°15	5°31	8°19	19°28	3°58	13°28	26°22	24°52	13°53	n.a.	S 29
M30	0 18 8	2♎46'11	21♏16	3♎ 0	7♍36	9♐ 0	5♍44	8♎26	19♋30	3♋59	13♏30	26♒17	24♒49	13♊59	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n11	14s37	4s34	17n12	1n 3	20n30	0n33	19s 6	1s45	12n50	1n 8	0n 6	2n22	22n57	0n31	23n10	0s31	6s 8	10n12	12s43	12s53	27n15		n.a.
M 2	9 49	20 0	5 4	17 1	1 13	20 16	0 36	19 18	1 45	12 45	1 8	0 3	2 21	22 57	0 31	23 9	0 31	6 9	10 11	12 43	12 54	27 16		n.a.
T 3	9 27	24 18	5 16	16 47	1 22	20 1	0 38	19 30	1 45	12 40	1 8	0 1	2 21	22 56	0 31	23 9	0 31	6 9	10 11	12 43	12 55	27 17		n.a.
W 4	9 5	27 9	5 9	16 30	1 30	19 46	0 41	19 41	1 45	12 36	1 9	0s 2	2 21	22 56	0 31	23 9	0 31	6 10	10 10	12 44	12 56	27 18		n.a.
T 5	8 43	28 16	4 43	16 9	1 37	19 30	0 44	19 53	1 46	12 31	1 9	0 5	2 21	22 56	0 31	23 9	0 31	6 11	10 10	12 43	12 57	27 18		n.a.
F 6	8 20	27 31	4 0	15 45	1 43	19 13	0 46	20 5	1 46	12 27	1 9	0 8	2 21	22 55	0 31	23 9	0 31	6 12	10 10	12 43	12 58	27 19		n.a.
S 7	7 58	24 59	3 3	15 19	1 47	18 56	0 49	20 16	1 46	12 22	1 9	0 10	2 21	22 55	0 31	23 9	0 31	6 12	10 9	12 43	12 59	27 20		n.a.
S 8	7 35	20 57	1 55	14 50	1 51	18 39	0 51	20 27	1 46	12 17	1 9	0 13	2 21	22 55	0 31	23 9	0 31	6 13	10 9	12 42	13 0	27 21		n.a.
M 9	7 12	15 49	0 41	14 19	1 54	18 20	0 54	20 38	1 46	12 13	1 9	0 16	2 21	22 54	0 31	23 9	0 31	6 14	10 9	12 42	13 2	27 21		n.a.
T 10	6 49	9 58	0n34	13 46	1 55	18 2	0 56	20 49	1 46	12 8	1 9	0 19	2 21	22 54	0 31	23 9	0 31	6 15	10 8	12 42	13 3	27 22		n.a.
W11	6 26	3 45	1 46	13 10	1 56	17 43	0 58	21 0	1 46	12 4	1 9	0 21	2 21	22 54	0 31	23 9	0 31	6 15	10 8	12 43	13 4	27 23		n.a.
T 12	6 3	2n29	2 51	12 34	1 56	17 23	1 1	21 10	1 46	11 59	1 9	0 24	2 21	22 53	0 31	23 9	0 31	6 16	10 7	12 43	13 5	27 23		n.a.
F 13	5 40	8 28	3 46	11 55	1 56	17 3	1 3	21 20	1 46	11 54	1 9	0 27	2 20	22 53	0 31	23 9	0 31	6 17	10 7	12 44	13 6	27 24		n.a.
S 14	5 16	14 0	4 28	11 16	1 54	16 42	1 5	21 31	1 46	11 50	1 9	0 30	2 20	22 53	0 31	23 9	0 31	6 18	10 7	12 45	13 7	27 25		n.a.
S 15	4 53	18 51	4 57	10 35	1 53	16 21	1 7	21 41	1 46	11 45	1 9	0 32	2 20	22 52	0 31	23 9	0 31	6 19	10 6	12 46	13 8	27 25		n.a.
M16	4 29	22 51	5 12	9 53	1 50	15 59	1 9	21 51	1 46	11 41	1 9	0 35	2 20	22 52	0 31	23 9	0 31	6 19	10 6	12 47	13 9	27 26		n.a.
T 17	4 6	25 50	5 13	9 11	1 47	15 37	1 11	22 0	1 46	11 36	1 9	0 38	2 20	22 52	0 31	23 9	0 31	6 20	10 6	12 48	13 10	27 27		n.a.
W18	3 42	27 40	5 1	8 28	1 44	15 14	1 13	22 10	1 46	11 31	1 9	0 41	2 20	22 51	0 31	23 9	0 31	6 21	10 5	12 48	13 11	27 27		n.a.
T 19	3 18	28 14	4 35	7 44	1 40	14 51	1 14	22 19	1 46	11 27	1 10	0 44	2 20	22 51	0 31	23 9	0 31	6 22	10 5	12 49	13 12	27 28		n.a.
F 20	2 54	27 29	3 58	6 59	1 36	14 28	1 16	22 28	1 46	11 22	1 10	0 47	2 20	22 51	0 31	23 9	0 31	6 23	10 5	12 48	13 13	27 29		n.a.
S 21	2 30	25 26	3 10	6 15	1 32	14 4	1 18	22 37	1 46	11 18	1 10	0 49	2 20	22 51	0 31	23 9	0 31	6 23	10 4	12 48	13 15	27 29		n.a.
S 22	2 6	22 10	2 13	5 30	1 27	13 39	1 19	22 46	1 46	11 13	1 10	0 52	2 20	22 50	0 31	23 9	0 31	6 24	10 4	12 47	13 16	27 30		n.a.
M23	1 42	17 49	1 7	4 44	1 22	13 15	1 21	22 54	1 46	11 8	1 10	0 55	2 20	22 50	0 31	23 9	0 31	6 25	10 3	12 47	13 17	27 31		n.a.
T 24	1 18	12 32	0s 3	3 59	1 16	12 49	1 22	23 2	1 46	11 4	1 10	0 58	2 20	22 50	0 31	23 9	0 31	6 26	10 3	12 46	13 18	27 31		n.a.
W25	0 54	6 33	1 15	3 13	1 11	12 24	1 23	23 10	1 46	10 59	1 10	1 1	2 20	22 50	0 31	23 9	0 31	6 27	10 3	12 47	13 19	27 32		n.a.
T 26	0 30	0 8	2 25	2 27	1 5	11 58	1 25	23 18	1 46	10 55	1 10	1 4	2 20	22 49	0 31	23 9	0 31	6 27	10 3	12 47	13 20	27 32		n.a.
F 27	0 6	6s26	3 27	1 42	0 59	11 32	1 26	23 26	1 45	10 50	1 10	1 6	2 20	22 49	0 31	23 9	0 31	6 28	10 2	12 49	13 21	27 33		n.a.
S 28	0s18	12 47	4 18	0 56	0 53	11 5	1 27	23 33	1 45	10 46	1 10	1 9	2 20	22 49	0 32	23 9	0 31	6 29	10 2	12 51	13 22	27 33		n.a.
S 29	0 43	18 32	4 53	0 11	0 47	10 39	1 28	23 40	1 45	10 41	1 11	1 12	2 20	22 49	0 32	23 9	0 31	6 30	10 2	12 52	13 23	27 34		n.a.
M30	1s 7	23s15	5s 9	0s35	0n41	10n11	1n29	23s47	1s45	10n37	1n11	1s15	2n20	22n49	0n32	23n 9	0s31	6s31	10n 1	12s54	13s24	27n35		n.a.

Julian Day Number = 1638754.5, Delta T = 03h37m38s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'39, Lahiri = - 7°04'39 Julian Calendar 1 Sept. 227 BCE == Greg. Calendar 28 Aug. 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

OCTOBER 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 22 5	3♎46'21	5♐43	4♎38	8♍51	9♐44	5♍56	8♎33	19♋31	3♋59	13♏32	26°R13	24♒46	14♊ 6	n.a.	T 1
W 2	0 26 1	4°46'33	20° 4	6°16	10° 6	10°29	6° 8	8°40	19°33	3°59	13°33	26♒10	24°43	14°13	n.a.	W 2
T 3	0 29 58	5°46'47	4♑15	7°53	11°20	11°13	6°20	8°47	19°35	4° 0	13°35	26°D 9	24°40	14°20	n.a.	T 3
F 4	0 33 54	6°47'03	18°15	9°30	12°35	11°58	6°32	8°55	19°36	4° 0	13°37	26°10	24°37	14°26	n.a.	F 4
S 5	0 37 51	7°47'20	2♒ 4	11° 6	13°50	12°43	6°44	9° 2	19°37	4° 0	13°39	26°11	24°33	14°33	n.a.	S 5
S 6	0 41 47	8°47'38	15°40	12°42	15° 4	13°28	6°56	9° 9	19°39	4° 0	13°41	26°12	24°30	14°40	n.a.	S 6
M 7	0 45 44	9°47'58	29° 5	14°18	16°19	14°13	7° 8	9°16	19°40	4° 1	13°43	26°R13	24°27	14°47	n.a.	M 7
T 8	0 49 41	10°48'20	12♓19	15°53	17°34	14°57	7°20	9°23	19°41	4° 1	13°45	26°11	24°24	14°53	n.a.	T 8
W 9	0 53 37	11°48'43	25°22	17°28	18°49	15°42	7°32	9°30	19°42	4° 1	13°47	26° 8	24°21	15° 0	n.a.	W 9
T 10	0 57 34	12°49'08	8♈12	19° 2	20° 4	16°27	7°44	9°37	19°44	4° 1	13°49	26° 2	24°17	15° 7	n.a.	T 10
F 11	1 1 30	13°49'35	20°51	20°36	21°19	17°12	7°56	9°44	19°45	4°R 1	13°51	25°54	24°14	15°13	n.a.	F 11
S 12	1 5 27	14°50'03	3♉18	22°10	22°34	17°58	8° 7	9°51	19°46	4° 1	13°53	25°45	24°11	15°20	n.a.	S 12
S 13	1 9 23	15°50'33	15°33	23°43	23°49	18°43	8°19	9°59	19°47	4° 1	13°56	25°35	24° 8	15°27	n.a.	S 13
M14	1 13 20	16°51'05	27°38	25°16	25° 4	19°28	8°31	10° 6	19°48	4° 1	13°58	25°26	24° 5	15°34	n.a.	M14
T 15	1 17 16	17°51'39	9♊35	26°49	26°19	20°13	8°42	10°13	19°48	4° 1	14° 0	25°18	24° 2	15°40	n.a.	T 15
W16	1 21 13	18°52'15	21°27	28°22	27°34	20°59	8°54	10°20	19°49	4° 0	14° 2	25°11	23°58	15°47	n.a.	W16
T 17	1 25 9	19°52'53	3♋17	29°54	28°49	21°44	9° 5	10°27	19°50	4° 0	14° 4	25° 7	23°55	15°54	n.a.	T 17
F 18	1 29 6	20°53'32	15°11	1♏26	0♎ 4	22°29	9°16	10°34	19°51	4° 0	14° 6	25° 6	23°52	16° 0	n.a.	F 18
S 19	1 33 3	21°54'14	27°12	2°58	1°20	23°15	9°27	10°41	19°51	4° 0	14° 8	25°D 6	23°49	16° 7	n.a.	S 19
S 20	1 36 59	22°54'57	9♌28	4°29	2°35	24° 0	9°39	10°48	19°52	3°59	14°11	25° 6	23°46	16°14	n.a.	S 20
M21	1 40 56	23°55'41	22° 2	6° 0	3°50	24°46	9°50	10°55	19°52	3°59	14°13	25°R 7	23°42	16°21	n.a.	M21
T 22	1 44 52	24°56'28	4♍59	7°31	5° 5	25°31	10° 1	11° 2	19°53	3°59	14°15	25° 7	23°39	16°27	n.a.	T 22
W23	1 48 49	25°57'16	18°22	9° 2	6°21	26°17	10°11	11° 9	19°53	3°58	14°17	25° 4	23°36	16°34	n.a.	W23
T 24	1 52 45	26°58'05	2♎13	10°32	7°36	27° 2	10°22	11°16	19°54	3°58	14°19	24°59	23°33	16°41	n.a.	T 24
F 25	1 56 42	27°58'56	16°29	12° 2	8°51	27°48	10°33	11°23	19°54	3°57	14°22	24°52	23°30	16°47	n.a.	F 25
S 26	2 0 38	28°59'49	1♏ 7	13°32	10° 7	28°34	10°44	11°30	19°54	3°57	14°24	24°42	23°27	16°54	n.a.	S 26
S 27	2 4 35	0♏ 0'43	15°59	15° 2	11°22	29°19	10°54	11°37	19°54	3°56	14°26	24°32	23°23	17° 1	n.a.	S 27
M28	2 8 32	1° 1'38	0♐56	16°31	12°37	0♑ 5	11° 5	11°43	19°55	3°56	14°28	24°21	23°20	17° 7	n.a.	M28
T 29	2 12 28	2° 2'35	15°48	17°59	13°53	0°51	11°15	11°50	19°55	3°55	14°31	24°13	23°17	17°14	n.a.	T 29
W30	2 16 25	3° 3'32	0♑29	19°27	15° 8	1°37	11°25	11°57	19°R55	3°55	14°33	24° 6	23°14	17°21	n.a.	W30
T 31	2 20 21	4♏ 4'30	14♑52	20♏55	16♎23	2♑23	11♍36	12♎ 4	19♋55	3♋54	14♏35	24♒ 2	23♒11	17♊28	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	1s31	26s32	5s 6	1s20	0n35	9n44	1n30	23s54	1s45	10n32	1n11	1s18	2n20	22n48	0n32	23n 9	0s31	6s32	10n 1	12s56	13s25	27n35			n.a.
W 2	1 55	28 4	4 44	2 5	0 28	9 16	1 31	24 1	1 45	10 28	1 11	1 21	2 20	22 48	0 32	23 9	0 31	6 32	10 1	12 57	13 26	27 36			n.a.
T 3	2 19	27 44	4 5	2 50	0 22	8 48	1 31	24 7	1 44	10 23	1 11	1 24	2 20	22 48	0 32	23 9	0 31	6 33	10 0	12 57	13 27	27 36			n.a.
F 4	2 43	25 37	3 11	3 35	0 15	8 20	1 32	24 13	1 44	10 19	1 11	1 26	2 19	22 48	0 32	23 9	0 31	6 34	10 0	12 57	13 29	27 37			n.a.
S 5	3 8	22 0	2 7	4 19	0 9	7 51	1 33	24 19	1 44	10 15	1 11	1 29	2 19	22 48	0 32	23 9	0 31	6 35	10 0	12 56	13 30	27 37			n.a.
S 6	3 32	17 14	0 57	5 3	0 2	7 23	1 33	24 24	1 44	10 10	1 11	1 32	2 19	22 47	0 32	23 9	0 31	6 36	10 0	12 56	13 31	27 38			n.a.
M 7	3 56	11 41	0n16	5 46	0s 5	6 54	1 34	24 29	1 44	10 6	1 12	1 35	2 19	22 47	0 32	23 9	0 31	6 37	9 59	12 56	13 32	27 38			n.a.
T 8	4 20	5 42	1 26	6 30	0 11	6 24	1 34	24 34	1 43	10 1	1 12	1 38	2 19	22 47	0 32	23 9	0 31	6 37	9 59	12 56	13 33	27 39			n.a.
W 9	4 43	0n26	2 31	7 12	0 18	5 55	1 34	24 39	1 43	9 57	1 12	1 40	2 19	22 47	0 32	23 9	0 31	6 38	9 59	12 57	13 34	27 39			n.a.
T 10	5 7	6 27	3 27	7 55	0 24	5 26	1 34	24 44	1 43	9 53	1 12	1 43	2 19	22 47	0 32	23 9	0 31	6 39	9 58	12 59	13 35	27 40			n.a.
F 11	5 31	12 6	4 11	8 37	0 31	4 56	1 35	24 48	1 42	9 48	1 12	1 46	2 20	22 47	0 32	23 9	0 31	6 40	9 58	13 2	13 36	27 40			n.a.
S 12	5 55	17 11	4 43	9 18	0 37	4 26	1 35	24 52	1 42	9 44	1 12	1 49	2 20	22 47	0 32	23 9	0 31	6 41	9 58	13 5	13 37	27 41			n.a.
S 13	6 18	21 29	5 1	9 59	0 44	3 56	1 35	24 56	1 42	9 40	1 12	1 52	2 20	22 47	0 32	23 9	0 31	6 42	9 58	13 9	13 38	27 41			n.a.
M14	6 42	24 49	5 6	10 40	0 50	3 26	1 35	24 59	1 42	9 36	1 12	1 54	2 20	22 46	0 32	23 9	0 31	6 42	9 57	13 12	13 39	27 42			n.a.
T 15	7 5	27 2	4 57	11 20	0 56	2 55	1 35	25 3	1 41	9 31	1 13	1 57	2 20	22 46	0 32	23 9	0 31	6 43	9 57	13 15	13 40	27 42			n.a.
W16	7 29	28 1	4 35	11 59	1 2	2 25	1 34	25 6	1 41	9 27	1 13	2 0	2 20	22 46	0 32	23 9	0 31	6 44	9 57	13 17	13 41	27 42			n.a.
T 17	7 52	27 42	4 1	12 38	1 8	1 55	1 34	25 8	1 41	9 23	1 13	2 3	2 20	22 46	0 32	23 9	0 31	6 45	9 57	13 18	13 42	27 43			n.a.
F 18	8 15	26 7	3 17	13 16	1 14	1 24	1 34	25 11	1 40	9 19	1 13	2 6	2 20	22 46	0 32	23 9	0 31	6 46	9 57	13 19	13 43	27 43			n.a.
S 19	8 38	23 19	2 24	13 54	1 20	0 53	1 33	25 13	1 40	9 15	1 13	2 8	2 20	22 46	0 32	23 9	0 31	6 47	9 56	13 19	13 45	27 44			n.a.
S 20	9 1	19 26	1 23	14 31	1 26	0 23	1 33	25 15	1 40	9 11	1 13	2 11	2 20	22 46	0 32	23 9	0 31	6 47	9 56	13 18	13 46	27 44			n.a.
M21	9 24	14 36	0 17	15 7	1 31	0s 8	1 32	25 16	1 39	9 7	1 14	2 14	2 20	22 46	0 32	23 9	0 31	6 48	9 56	13 18	13 47	27 44			n.a.
T 22	9 46	8 59	0s52	15 42	1 37	0 39	1 32	25 18	1 39	9 2	1 14	2 17	2 20	22 46	0 32	23 9	0 31	6 49	9 56	13 18	13 48	27 45			n.a.
W23	10 9	2 48	2 1	16 17	1 42	1 10	1 31	25 19	1 38	8 58	1 14	2 19	2 20	22 46	0 32	23 9	0 31	6 50	9 56	13 19	13 49	27 45			n.a.
T 24	10 31	3s42	3 4	16 51	1 47	1 40	1 30	25 20	1 38	8 54	1 14	2 22	2 20	22 46	0 32	23 9	0 31	6 51	9 55	13 21	13 50	27 45			n.a.
F 25	10 53	10 12	3 58	17 24	1 51	2 11	1 29	25 20	1 38	8 51	1 14	2 25	2 20	22 46	0 33	23 9	0 31	6 51	9 55	13 23	13 51	27 46			n.a.
S 26	11 15	16 19	4 37	17 56	1 56	2 42	1 28	25 20	1 37	8 47	1 14	2 27	2 20	22 46	0 33	23 9	0 31	6 52	9 55	13 27	13 52	27 46			n.a.
S 27	11 37	21 35	4 59	18 27	2 0	3 13	1 27	25 20	1 37	8 43	1 15	2 30	2 20	22 46	0 33	23 9	0 31	6 53	9 55	13 30	13 53	27 46			n.a.
M28	11 58	25 29	5 0	18 57	2 4	3 43	1 26	25 20	1 36	8 39	1 15	2 33	2 20	22 46	0 33	23 9	0 31	6 54	9 55	13 34	13 54	27 47			n.a.
T 29	12 20	27 37	4 41	19 26	2 8	4 14	1 25	25 19	1 36	8 35	1 15	2 35	2 20	22 46	0 33	23 9	0 31	6 55	9 54	13 37	13 55	27 47			n.a.
W30	12 41	27 48	4 4	19 54	2 11	4 44	1 24	25 18	1 36	8 31	1 15	2 38	2 20	22 46	0 33	23 9	0 31	6 55	9 54	13 39	13 56	27 47			n.a.
T 31	13s 2	26s 4	3s12	20s21	2s14	5s15	1n23	25s17	1s35	8n27	1n15	2s40	2n20	22n46	0n33	23n 9	0s31	6s56	9n54	13s40	13s57	27n48			n.a.

Julian Day Number = 1638784.5, Delta T = 03h37m37s
Ecliptic obliquity = 23°43'30, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'35, Lahiri = - 7°04'35 Julian Calendar 1 Oct. 227 BCE == Greg. Calendar 27 Sept. 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

NOVEMBER 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 24 18	5♏ 5'29	28♉55	22♏22	17♎39	3♉ 9	11♍46	12♎11	19°R55	3°R53	14♏37	24°R 1	23♒ 8	17♊34	n.a.	F 1
S 2	2 28 14	6° 6'29	12♒38	23°48	18°54	3°54	11°56	12°17	19♋54	3♋53	14°40	24°D 1	23° 4	17°41	n.a.	S 2
S 3	2 32 11	7° 7'29	26° 3	25°13	20°10	4°40	12° 6	12°24	19°54	3°52	14°42	24°R 1	23° 1	17°48	n.a.	S 3
M 4	2 36 8	8° 8'30	9♓11	26°37	21°25	5°26	12°16	12°31	19°54	3°51	14°44	24♒ 0	22°58	17°54	n.a.	M 4
T 5	2 40 4	9° 9'32	22° 5	28° 0	22°41	6°12	12°25	12°37	19°54	3°50	14°47	23°57	22°55	18° 1	n.a.	T 5
W 6	2 44 1	10°10'35	4♈47	29°22	23°56	6°58	12°35	12°44	19°53	3°50	14°49	23°51	22°52	18° 8	n.a.	W 6
T 7	2 47 57	11°11'38	17°18	0♐42	25°12	7°44	12°44	12°51	19°53	3°49	14°51	23°42	22°48	18°15	n.a.	T 7
F 8	2 51 54	12°12'43	29°41	2° 0	26°27	8°30	12°54	12°57	19°52	3°48	14°54	23°30	22°45	18°21	n.a.	F 8
S 9	2 55 50	13°13'48	11♉55	3°16	27°42	9°16	13° 3	13° 4	19°52	3°47	14°56	23°16	22°42	18°28	n.a.	S 9
S 10	2 59 47	14°14'54	24° 2	4°29	28°58	10° 2	13°12	13°10	19°51	3°46	14°58	23° 2	22°39	18°35	n.a.	S 10
M11	3 3 43	15°16'01	6♊ 1	5°40	0♏13	10°48	13°21	13°16	19°51	3°45	15° 1	22°47	22°36	18°41	n.a.	M11
T 12	3 7 40	16°17'08	17°55	6°47	1°29	11°34	13°30	13°23	19°50	3°44	15° 3	22°34	22°33	18°48	n.a.	T 12
W13	3 11 37	17°18'17	29°46	7°51	2°44	12°20	13°39	13°29	19°49	3°43	15° 5	22°24	22°29	18°55	n.a.	W13
T 14	3 15 33	18°19'26	11♋35	8°50	4° 0	13° 6	13°48	13°35	19°48	3°42	15° 7	22°16	22°26	19° 2	n.a.	T 14
F 15	3 19 30	19°20'37	23°27	9°43	5°15	13°52	13°56	13°42	19°48	3°41	15°10	22°12	22°23	19° 8	n.a.	F 15
S 16	3 23 26	20°21'48	5♌26	10°31	6°31	14°38	14° 5	13°48	19°47	3°40	15°12	22°10	22°20	19°15	n.a.	S 16
S 17	3 27 23	21°23'00	17°37	11°13	7°46	15°24	14°13	13°54	19°46	3°38	15°14	22° 9	22°17	19°22	n.a.	S 17
M18	3 31 19	22°24'12	0♍ 5	11°46	9° 2	16°10	14°22	14° 0	19°45	3°37	15°17	22° 9	22°14	19°28	n.a.	M18
T 19	3 35 16	23°25'26	12°56	12°12	10°18	16°56	14°30	14° 6	19°44	3°36	15°19	22° 8	22°10	19°35	n.a.	T 19
W20	3 39 12	24°26'40	26°15	12°28	11°33	17°43	14°38	14°12	19°43	3°35	15°21	22° 5	22° 7	19°42	n.a.	W20
T 21	3 43 9	25°27'54	10♎ 3	12°R34	12°49	18°29	14°45	14°18	19°41	3°34	15°24	22° 0	22° 4	19°49	n.a.	T 21
F 22	3 47 6	26°29'10	24°21	12°29	14° 4	19°15	14°53	14°24	19°40	3°32	15°26	21°52	22° 1	19°55	n.a.	F 22
S 23	3 51 2	27°30'26	9♏ 7	12°12	15°20	20° 1	15° 1	14°30	19°39	3°31	15°28	21°41	21°58	20° 2	n.a.	S 23
S 24	3 54 59	28°31'42	24°13	11°44	16°35	20°47	15° 8	14°36	19°38	3°30	15°30	21°29	21°54	20° 9	n.a.	S 24
M25	3 58 55	29°32'59	9♐28	11° 4	17°51	21°33	15°16	14°41	19°36	3°29	15°33	21°18	21°51	20°15	n.a.	M25
T 26	4 2 52	0♐34'16	24°43	10°13	19° 6	22°19	15°23	14°47	19°35	3°27	15°35	21° 7	21°48	20°22	n.a.	T 26
W27	4 6 48	1°35'33	9♉45	9°12	20°22	23° 5	15°30	14°53	19°33	3°26	15°37	21° 0	21°45	20°29	n.a.	W27
T 28	4 10 45	2°36'49	24°28	8° 2	21°37	23°51	15°37	14°58	19°32	3°24	15°39	20°55	21°42	20°35	n.a.	T 28
F 29	4 14 42	3°38'06	8♒45	6°46	22°53	24°37	15°43	15° 4	19°30	3°23	15°42	20°52	21°39	20°42	n.a.	F 29
S 30	4 18 38	4♐39'22	22♒36	5♐26	24♏ 8	25♉23	15♍50	15♎ 9	19♋29	3♋22	15♏44	20°D52	21♒35	20♊49	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13 s22	22 s43	2 s 9	20 s46	2 s16	5 s45	1n22	25 s16	1 s35	8n24	1n16	2 s43	2n20	22n46	0n33	23n 9	0 s31	6 s57	9n54	13 s40	13 s58	27n48		n.a.
S 2	13 43	18 11	1 0	21 11	2 19	6 15	1 20	25 14	1 34	8 20	1 16	2 46	2 21	22 46	0 33	23 9	0 31	6 58	9 54	13 40	13 59	27 48		n.a.
S 3	14 3	12 49	0n11	21 34	2 20	6 45	1 19	25 12	1 34	8 16	1 16	2 48	2 21	22 46	0 33	23 9	0 31	6 59	9 54	13 40	14 0	27 49		n.a.
M 4	14 23	7 0	1 19	21 56	2 22	7 15	1 18	25 10	1 33	8 13	1 16	2 51	2 21	22 46	0 33	23 9	0 31	6 59	9 54	13 41	14 1	27 49		n.a.
T 5	14 43	1 0	2 23	22 16	2 23	7 45	1 16	25 7	1 33	8 9	1 16	2 53	2 21	22 46	0 33	23 9	0 31	7 0	9 53	13 42	14 2	27 49		n.a.
W 6	15 3	4n56	3 18	22 35	2 23	8 14	1 15	25 4	1 32	8 6	1 17	2 56	2 21	22 46	0 33	23 9	0 31	7 1	9 53	13 44	14 4	27 49		n.a.
T 7	15 22	10 36	4 2	22 52	2 22	8 44	1 13	25 1	1 32	8 2	1 17	2 58	2 21	22 47	0 33	23 9	0 31	7 2	9 53	13 47	14 5	27 50		n.a.
F 8	15 41	15 46	4 34	23 7	2 21	9 13	1 11	24 58	1 31	7 59	1 17	3 1	2 21	22 47	0 33	23 9	0 31	7 2	9 53	13 51	14 6	27 50		n.a.
S 9	16 0	20 14	4 54	23 21	2 20	9 42	1 10	24 54	1 31	7 55	1 17	3 3	2 21	22 47	0 33	23 9	0 31	7 3	9 53	13 55	14 7	27 50		n.a.
S 10	16 18	23 50	4 59	23 32	2 17	10 11	1 8	24 50	1 30	7 52	1 17	3 6	2 21	22 47	0 33	23 9	0 31	7 4	9 53	14 0	14 8	27 50		n.a.
M11	16 36	26 21	4 52	23 42	2 14	10 39	1 6	24 46	1 30	7 49	1 18	3 8	2 21	22 47	0 33	23 9	0 31	7 5	9 53	14 5	14 9	27 51		n.a.
T 12	16 54	27 40	4 31	23 50	2 10	11 7	1 4	24 42	1 29	7 45	1 18	3 10	2 22	22 47	0 33	23 9	0 31	7 5	9 53	14 9	14 10	27 51		n.a.
W13	17 12	27 43	3 59	23 56	2 5	11 35	1 2	24 37	1 29	7 42	1 18	3 13	2 22	22 47	0 33	23 9	0 31	7 6	9 53	14 13	14 11	27 51		n.a.
T 14	17 29	26 29	3 17	24 0	1 59	12 3	1 1	24 32	1 28	7 39	1 18	3 15	2 22	22 47	0 33	23 9	0 31	7 7	9 53	14 15	14 12	27 51		n.a.
F 15	17 46	24 3	2 25	24 1	1 52	12 31	0 59	24 27	1 28	7 36	1 18	3 17	2 22	22 48	0 33	23 9	0 31	7 8	9 53	14 17	14 13	27 51		n.a.
S 16	18 3	20 33	1 27	24 0	1 43	12 58	0 57	24 21	1 27	7 33	1 19	3 20	2 22	22 48	0 33	23 9	0 31	7 8	9 52	14 17	14 14	27 51		n.a.
S 17	18 19	16 7	0 24	23 56	1 34	13 24	0 55	24 15	1 26	7 30	1 19	3 22	2 22	22 48	0 33	23 9	0 31	7 9	9 52	14 18	14 15	27 52		n.a.
M18	18 35	10 55	0 s42	23 50	1 23	13 51	0 53	24 9	1 26	7 27	1 19	3 24	2 22	22 48	0 33	23 9	0 31	7 10	9 52	14 18	14 16	27 52		n.a.
T 19	18 51	5 8	1 47	23 42	1 11	14 17	0 50	24 3	1 25	7 24	1 19	3 27	2 22	22 48	0 33	23 9	0 31	7 10	9 52	14 18	14 17	27 52		n.a.
W20	19 6	1 s 5	2 50	23 30	0 57	14 43	0 48	23 56	1 25	7 21	1 20	3 29	2 23	22 49	0 33	23 9	0 31	7 11	9 52	14 19	14 18	27 52		n.a.
T 21	19 21	7 27	3 44	23 16	0 42	15 8	0 46	23 49	1 24	7 18	1 20	3 31	2 23	22 49	0 33	23 9	0 31	7 12	9 52	14 21	14 19	27 52		n.a.
F 22	19 36	13 40	4 27	22 59	0 26	15 33	0 44	23 42	1 24	7 15	1 20	3 33	2 23	22 49	0 34	23 9	0 31	7 12	9 52	14 23	14 20	27 52		n.a.
S 23	19 50	19 19	4 53	22 40	0 8	15 58	0 42	23 35	1 23	7 12	1 20	3 35	2 23	22 49	0 34	23 9	0 31	7 13	9 52	14 27	14 21	27 52		n.a.
S 24	20 4	23 53	5 0	22 18	0n10	16 22	0 40	23 27	1 22	7 10	1 21	3 37	2 23	22 49	0 34	23 9	0 31	7 14	9 52	14 31	14 22	27 53		n.a.
M25	20 18	26 50	4 45	21 53	0 30	16 45	0 37	23 19	1 22	7 7	1 21	3 40	2 23	22 50	0 34	23 9	0 31	7 14	9 52	14 34	14 23	27 53		n.a.
T 26	20 31	27 48	4 11	21 26	0 50	17 9	0 35	23 11	1 21	7 4	1 21	3 42	2 23	22 50	0 34	23 9	0 31	7 15	9 52	14 38	14 24	27 53		n.a.
W27	20 44	26 40	3 19	20 57	1 10	17 31	0 33	23 3	1 21	7 2	1 21	3 44	2 24	22 50	0 34	23 9	0 31	7 16	9 52	14 40	14 25	27 53		n.a.
T 28	20 56	23 42	2 15	20 26	1 30	17 54	0 30	22 54	1 20	6 59	1 22	3 46	2 24	22 50	0 34	23 9	0 31	7 16	9 52	14 42	14 26	27 53		n.a.
F 29	21 8	19 19	1 4	19 55	1 49	18 16	0 28	22 45	1 19	6 57	1 22	3 48	2 24	22 51	0 34	23 9	0 31	7 17	9 52	14 42	14 27	27 53		n.a.
S 30	21 s19	14 s 0	0n 9	19 s23	2n 7	18 s37	0n26	22 s36	1 s19	6n55	1n22	3 s50	2n24	22n51	0n34	23n 9	0 s31	7 s18	9n52	14 s43	14 s29	27n53		n.a.

Julian Day Number = 1638815.5, Delta T = 03h37m36s
Ecliptic obliquity = 23°43'29, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'31, Lahiri = - 7°04'30 Julian Calendar 1 Nov. 227 BCE == Greg. Calendar 28 Oct. 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 227 BCE
geocentric

DECEMBER 227 BCE (-226) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 22 35	5♐40'38	6♓ 2	4°R 4	25♏24	26♑10	15♍56	15♎15	19°R27	3°R20	15♏46	20°R52	21♒32	20♊56	n.a.	S 1
M 2	4 26 31	6°41'54	19° 6	2♐44	26°39	26°56	16° 3	15°20	19♋26	3♋19	15°48	20♒52	21°29	21° 2	n.a.	M 2
T 3	4 30 28	7°43'09	1♈52	1°27	27°55	27°42	16° 9	15°25	19°24	3°17	15°50	20°49	21°26	21° 9	n.a.	T 3
W 4	4 34 24	8°44'24	14°22	0°17	29°10	28°28	16°15	15°30	19°22	3°16	15°53	20°44	21°23	21°16	n.a.	W 4
T 5	4 38 21	9°45'38	26°41	29♏14	0♐26	29°14	16°21	15°35	19°20	3°14	15°55	20°36	21°20	21°22	n.a.	T 5
F 6	4 42 17	10°46'52	8♉51	28°20	1°41	29°59	16°26	15°41	19°18	3°13	15°57	20°25	21°16	21°29	n.a.	F 6
S 7	4 46 14	11°48'06	20°54	27°36	2°57	0♒46	16°32	15°45	19°17	3°11	15°59	20°12	21°13	21°36	n.a.	S 7
S 8	4 50 11	12°49'20	2♊52	27° 3	4°12	1°32	16°37	15°50	19°15	3°10	16° 1	19°59	21°10	21°43	n.a.	S 8
M 9	4 54 7	13°50'33	14°46	26°39	5°28	2°18	16°42	15°55	19°13	3° 8	16° 3	19°46	21° 7	21°49	n.a.	M 9
T 10	4 58 4	14°51'45	26°37	26°25	6°43	3° 3	16°47	16° 0	19°11	3° 6	16° 5	19°34	21° 4	21°56	n.a.	T 10
W11	5 2 0	15°52'58	8♋28	26°D20	7°58	3°49	16°52	16° 5	19° 9	3° 5	16° 8	19°24	21° 0	22° 3	n.a.	W11
T 12	5 5 57	16°54'10	20°19	26°24	9°14	4°35	16°57	16° 9	19° 7	3° 3	16°10	19°17	20°57	22° 9	n.a.	T 12
F 13	5 9 53	17°55'22	2♌14	26°36	10°29	5°21	17° 2	16°14	19° 5	3° 2	16°12	19°13	20°54	22°16	n.a.	F 13
S 14	5 13 50	18°56'33	14°15	26°56	11°45	6° 7	17° 6	16°18	19° 2	3° 0	16°14	19°D11	20°51	22°23	n.a.	S 14
S 15	5 17 46	19°57'44	26°26	27°22	13° 0	6°53	17°10	16°23	19° 0	2°58	16°16	19°11	20°48	22°29	n.a.	S 15
M16	5 21 43	20°58'55	8♍53	27°55	14°16	7°39	17°14	16°27	18°58	2°57	16°18	19°12	20°45	22°36	n.a.	M16
T 17	5 25 40	22° 0'05	21°39	28°33	15°31	8°24	17°18	16°31	18°56	2°55	16°20	19°R13	20°41	22°43	n.a.	T 17
W18	5 29 36	23° 1'15	4♎50	29°16	16°46	9°10	17°22	16°35	18°54	2°53	16°22	19°12	20°38	22°50	n.a.	W18
T 19	5 33 33	24° 2'24	18°28	0♐ 3	18° 2	9°56	17°25	16°39	18°51	2°52	16°24	19° 9	20°35	22°56	n.a.	T 19
F 20	5 37 29	25° 3'33	2♏35	0°55	19°17	10°42	17°29	16°43	18°49	2°50	16°25	19° 4	20°32	23° 3	n.a.	F 20
S 21	5 41 26	26° 4'42	17°11	1°50	20°32	11°27	17°32	16°47	18°47	2°48	16°27	18°57	20°29	23°10	n.a.	S 21
S 22	5 45 22	27° 5'50	2♐11	2°48	21°48	12°13	17°35	16°51	18°44	2°47	16°29	18°49	20°26	23°16	n.a.	S 22
M23	5 49 19	28° 6'58	17°25	3°50	23° 3	12°59	17°37	16°55	18°42	2°45	16°31	18°41	20°22	23°23	n.a.	M23
T 24	5 53 16	29° 8'04	2♑45	4°54	24°19	13°45	17°40	16°59	18°40	2°43	16°33	18°34	20°19	23°30	n.a.	T 24
W25	5 57 12	0♑ 9'10	17°58	6° 1	25°34	14°30	17°42	17° 2	18°37	2°42	16°35	18°28	20°16	23°37	n.a.	W25
T 26	6 1 9	1°10'14	2♒54	7° 9	26°49	15°16	17°45	17° 6	18°35	2°40	16°37	18°25	20°13	23°43	n.a.	T 26
F 27	6 5 5	2°11'18	17°27	8°20	28° 5	16° 1	17°47	17° 9	18°32	2°38	16°38	18°D24	20°10	23°50	n.a.	F 27
S 28	6 9 2	3°12'20	1♓32	9°33	29°20	16°47	17°49	17°12	18°30	2°37	16°40	18°24	20° 6	23°57	n.a.	S 28
S 29	6 12 58	4°13'20	15° 9	10°47	0♑35	17°32	17°50	17°16	18°27	2°35	16°42	18°26	20° 3	24° 3	n.a.	S 29
M30	6 16 55	5°14'19	28°20	12° 3	1°50	18°18	17°52	17°19	18°25	2°33	16°44	18°27	20° 0	24°10	n.a.	M30
T 31	6 20 51	6♑15'17	11♈ 8	13♐20	3♑ 6	19♒ 3	17♍53	17♎22	18♋22	2♋31	16♏45	18°R27	19♒57	24♊17	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	21 s30	8 s10	1n19	18 s53	2n23	18 s58	0n23	22 s27	1 s18	6n52	1n22	3 s52	2n24	22n51	0n34	23n10	0 s31	7 s18	9n52	14 s43	14 s30	27n53			n.a.
M 2	21 41	2 10	2 24	18 23	2 37	19 18	0 21	22 17	1 17	6 50	1 23	3 53	2 24	22 51	0 34	23 10	0 31	7 19	9 52	14 43	14 31	27 53			n.a.
T 3	21 51	3n47	3 19	17 57	2 49	19 38	0 19	22 7	1 17	6 48	1 23	3 55	2 25	22 52	0 34	23 10	0 31	7 19	9 52	14 44	14 32	27 53			n.a.
W 4	22 1	9 28	4 3	17 33	2 58	19 57	0 16	21 57	1 16	6 46	1 23	3 57	2 25	22 52	0 34	23 10	0 31	7 20	9 52	14 45	14 33	27 53			n.a.
T 5	22 11	14 41	4 36	17 13	3 5	20 15	0 14	21 47	1 15	6 44	1 23	3 59	2 25	22 52	0 34	23 10	0 31	7 20	9 52	14 48	14 34	27 53			n.a.
F 6	22 20	19 16	4 55	16 56	3 10	20 34	0 11	21 37	1 15	6 42	1 24	4 1	2 25	22 53	0 34	23 10	0 31	7 21	9 52	14 51	14 35	27 53			n.a.
S 7	22 28	23 2	5 1	16 44	3 13	20 51	0 9	21 26	1 14	6 40	1 24	4 3	2 25	22 53	0 34	23 10	0 31	7 22	9 52	14 55	14 36	27 53			n.a.
S 8	22 36	25 47	4 54	16 36	3 13	21 8	0 7	21 15	1 13	6 38	1 24	4 4	2 25	22 53	0 34	23 10	0 31	7 22	9 52	15 0	14 37	27 53			n.a.
M 9	22 44	27 22	4 34	16 32	3 12	21 24	0 4	21 4	1 13	6 36	1 24	4 6	2 26	22 53	0 34	23 10	0 31	7 23	9 52	15 4	14 38	27 53			n.a.
T 10	22 51	27 42	4 2	16 31	3 9	21 40	0 2	20 53	1 12	6 34	1 25	4 8	2 26	22 54	0 34	23 10	0 31	7 23	9 53	15 8	14 39	27 53			n.a.
W11	22 58	26 46	3 19	16 34	3 5	21 55	0 s 1	20 41	1 11	6 33	1 25	4 9	2 26	22 54	0 34	23 10	0 31	7 24	9 53	15 11	14 40	27 53			n.a.
T 12	23 4	24 36	2 28	16 40	3 0	22 9	0 3	20 29	1 11	6 31	1 25	4 11	2 26	22 54	0 34	23 10	0 31	7 24	9 53	15 13	14 41	27 53			n.a.
F 13	23 10	21 21	1 29	16 48	2 54	22 23	0 5	20 17	1 10	6 30	1 26	4 12	2 26	22 55	0 34	23 10	0 31	7 25	9 53	15 14	14 42	27 53			n.a.
S 14	23 15	17 10	0 26	16 59	2 47	22 36	0 8	20 5	1 9	6 28	1 26	4 14	2 27	22 55	0 34	23 10	0 31	7 25	9 53	15 15	14 43	27 53			n.a.
S 15	23 20	12 15	0 s39	17 13	2 40	22 48	0 10	19 53	1 9	6 27	1 26	4 16	2 27	22 55	0 34	23 10	0 31	7 26	9 53	15 15	14 44	27 53			n.a.
M16	23 25	6 44	1 43	17 28	2 32	23 0	0 13	19 40	1 8	6 25	1 26	4 17	2 27	22 56	0 34	23 10	0 31	7 26	9 53	15 14	14 45	27 53			n.a.
T 17	23 29	0 50	2 45	17 44	2 24	23 10	0 15	19 28	1 7	6 24	1 27	4 18	2 27	22 56	0 34	23 10	0 31	7 27	9 53	15 14	14 46	27 53			n.a.
W18	23 32	5 s17	3 39	18 2	2 15	23 21	0 17	19 15	1 7	6 23	1 27	4 20	2 27	22 56	0 34	23 10	0 31	7 27	9 53	15 15	14 47	27 53			n.a.
T 19	23 35	11 22	4 24	18 21	2 6	23 30	0 20	19 2	1 6	6 22	1 27	4 21	2 28	22 57	0 34	23 10	0 31	7 27	9 53	15 15	14 48	27 53			n.a.
F 20	23 38	17 6	4 54	18 40	1 57	23 39	0 22	18 48	1 5	6 21	1 28	4 23	2 28	22 57	0 34	23 10	0 31	7 28	9 53	15 17	14 49	27 53			n.a.
S 21	23 40	22 3	5 6	19 0	1 48	23 47	0 24	18 35	1 5	6 20	1 28	4 24	2 28	22 57	0 34	23 10	0 31	7 28	9 54	15 19	14 50	27 52			n.a.
S 22	23 42	25 42	4 58	19 21	1 39	23 54	0 26	18 21	1 4	6 19	1 28	4 25	2 28	22 58	0 34	23 10	0 31	7 29	9 54	15 22	14 51	27 52			n.a.
M23	23 43	27 35	4 29	19 42	1 30	24 1	0 29	18 8	1 3	6 18	1 29	4 26	2 29	22 58	0 34	23 10	0 31	7 29	9 54	15 24	14 52	27 52			n.a.
T 24	23 43	27 22	3 40	20 3	1 21	24 7	0 31	17 54	1 2	6 17	1 29	4 28	2 29	22 59	0 34	23 11	0 31	7 29	9 54	15 27	14 53	27 52			n.a.
W25	23 43	25 5	2 36	20 23	1 12	24 12	0 33	17 40	1 2	6 17	1 29	4 29	2 29	22 59	0 34	23 11	0 31	7 30	9 54	15 28	14 54	27 52			n.a.
T 26	23 43	21 5	1 23	20 44	1 3	24 16	0 35	17 25	1 1	6 16	1 29	4 30	2 29	22 59	0 34	23 11	0 31	7 30	9 54	15 29	14 55	27 52			n.a.
F 27	23 42	15 52	0 5	21 5	0 54	24 20	0 37	17 11	1 0	6 16	1 30	4 31	2 29	23 0	0 34	23 11	0 31	7 31	9 54	15 30	14 56	27 52			n.a.
S 28	23 41	9 57	1n10	21 25	0 45	24 23	0 40	16 56	1 0	6 15	1 30	4 32	2 30	23 0	0 34	23 11	0 31	7 31	9 54	15 29	14 57	27 51			n.a.
S 29	23 39	3 46	2 20	21 44	0 36	24 25	0 42	16 42	0 59	6 15	1 30	4 33	2 30	23 0	0 34	23 11	0 31	7 31	9 55	15 29	14 58	27 51			n.a.
M30	23 37	2n22	3 19	22 3	0 27	24 26	0 44	16 27	0 58	6 14	1 31	4 34	2 30	23 1	0 34	23 11	0 31	7 32	9 55	15 29	14 59	27 51			n.a.
T 31	23 s34	8n14	4n 7	22 s22	0n19	24 s27	0 s46	16 s12	0 s57	6n14	1n31	4 s35	2n30	23n 1	0n35	23n11	0 s31	7 s32	9n55	15 s29	15 s 0	27n51			n.a.

Julian Day Number = 1638845.5, Delta T = 03h37m35s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'27, Lahiri = - 7°04'26 Julian Calendar 1 Dec. 227 BCE == Greg. Calendar 27 Nov. 227 BCE

The year -226 astronomical counting style corresponds to year 227 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

JANUARY 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 24 48	7♉16'13	23♈37	14♐39	4♉21	19♒49	17♍54	17♎25	18°R20	2°R30	16♏47	18°R25	19♒54	24♊23	n.a.	W 1
T 2	6 28 45	8°17'08	5♉51	15°59	5°36	20°34	17°55	17°28	18♋17	2♋28	16°49	18♒22	19°51	24°30	n.a.	T 2
F 3	6 32 41	9°18'02	17°54	17°20	6°51	21°19	17°56	17°30	18°14	2°26	16°50	18°17	19°47	24°37	n.a.	F 3
S 4	6 36 38	10°18'54	29°51	18°42	8° 7	22° 5	17°56	17°33	18°12	2°25	16°52	18°10	19°44	24°44	n.a.	S 4
S 5	6 40 34	11°19'44	11♊43	20° 6	9°22	22°50	17°57	17°36	18° 9	2°23	16°53	18° 3	19°41	24°50	n.a.	S 5
M 6	6 44 31	12°20'33	23°34	21°30	10°37	23°35	17°R57	17°38	18° 7	2°21	16°55	17°56	19°38	24°57	n.a.	M 6
T 7	6 48 27	13°21'21	5♋25	22°56	11°52	24°20	17°57	17°40	18° 4	2°20	16°56	17°49	19°35	25° 4	n.a.	T 7
W 8	6 52 24	14°22'07	17°19	24°22	13° 7	25° 6	17°57	17°43	18° 1	2°18	16°58	17°44	19°32	25°10	n.a.	W 8
T 9	6 56 20	15°22'52	29°16	25°49	14°22	25°51	17°56	17°45	17°59	2°16	16°59	17°41	19°28	25°17	n.a.	T 9
F 10	7 0 17	16°23'36	11♌19	27°18	15°38	26°36	17°56	17°47	17°56	2°15	17° 1	17°39	19°25	25°24	n.a.	F 10
S 11	7 4 14	17°24'18	23°30	28°47	16°53	27°21	17°55	17°49	17°54	2°13	17° 2	17°D39	19°22	25°30	n.a.	S 11
S 12	7 8 10	18°24'58	5♍50	0♉17	18° 8	28° 6	17°54	17°51	17°51	2°12	17° 3	17°41	19°19	25°37	n.a.	S 12
M13	7 12 7	19°25'37	18°24	1°48	19°23	28°51	17°53	17°53	17°48	2°10	17° 5	17°42	19°16	25°44	n.a.	M13
T 14	7 16 3	20°26'15	1♎14	3°20	20°38	29°36	17°51	17°54	17°46	2° 8	17° 6	17°44	19°12	25°50	n.a.	T 14
W15	7 20 0	21°26'52	14°24	4°52	21°53	0♓21	17°50	17°56	17°43	2° 7	17° 7	17°45	19° 9	25°57	n.a.	W15
T 16	7 23 56	22°27'27	27°55	6°26	23° 8	1° 6	17°48	17°57	17°41	2° 5	17° 8	17°R45	19° 6	26° 4	n.a.	T 16
F 17	7 27 53	23°28'01	11♏50	8° 1	24°23	1°51	17°46	17°59	17°38	2° 4	17°10	17°44	19° 3	26°11	n.a.	F 17
S 18	7 31 49	24°28'34	26° 9	9°36	25°38	2°35	17°44	18° 0	17°35	2° 2	17°11	17°42	19° 0	26°17	n.a.	S 18
S 19	7 35 46	25°29'05	10♐49	11°12	26°53	3°20	17°42	18° 1	17°33	2° 1	17°12	17°39	18°57	26°24	n.a.	S 19
M20	7 39 43	26°29'35	25°45	12°50	28° 8	4° 5	17°39	18° 2	17°30	1°59	17°13	17°36	18°53	26°31	n.a.	M20
T 21	7 43 39	27°30'04	10♉49	14°28	29°23	4°50	17°36	18° 3	17°28	1°58	17°14	17°33	18°50	26°37	n.a.	T 21
W22	7 47 36	28°30'30	25°53	16° 7	0♒38	5°34	17°34	18° 4	17°25	1°56	17°15	17°31	18°47	26°44	n.a.	W22
T 23	7 51 32	29°30'55	10♒47	17°47	1°53	6°19	17°31	18° 5	17°22	1°55	17°16	17°D30	18°44	26°51	n.a.	T 23
F 24	7 55 29	0♒31'18	25°23	19°28	3° 8	7° 3	17°27	18° 6	17°20	1°53	17°17	17°30	18°41	26°57	n.a.	F 24
S 25	7 59 25	1°31'39	9♓36	21°10	4°23	7°48	17°24	18° 6	17°17	1°52	17°18	17°31	18°38	27° 4	n.a.	S 25
S 26	8 3 22	2°31'58	23°23	22°53	5°38	8°32	17°20	18° 7	17°15	1°50	17°19	17°32	18°34	27°11	n.a.	S 26
M27	8 7 18	3°32'14	6♈43	24°37	6°53	9°17	17°17	18° 7	17°12	1°49	17°20	17°34	18°31	27°18	n.a.	M27
T 28	8 11 15	4°32'29	19°38	26°21	8° 8	10° 1	17°13	18° 7	17°10	1°47	17°21	17°35	18°28	27°24	n.a.	T 28
W29	8 15 12	5°32'41	2♉12	28° 7	9°23	10°46	17° 9	18° 8	17° 7	1°46	17°22	17°R35	18°25	27°31	n.a.	W29
T 30	8 19 8	6°32'52	14°29	29°54	10°38	11°30	17° 4	18°R 8	17° 5	1°45	17°23	17°35	18°22	27°38	n.a.	T 30
F 31	8 23 5	7♒33'00	26♉32	1♒42	11♒53	12♓14	17♍ 0	18♎ 8	17♋ 3	1♋43	17♏23	17♒34	18♒18	27♊44	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23 s31	13n37	4n41	22 s39	0n10	24 s27	0 s48	15 s57	0 s57	6n14	1n31	4 s36	2n31	23n 1	0n35	23n11	0 s31	7 s32	9n55	15 s29	15 s 1	27n51			n.a.
T 2	23 28	18 22	5 2	22 56	0 2	24 26	0 50	15 41	0 56	6 14	1 31	4 37	2 31	23 2	0 35	23 11	0 31	7 32	9 55	15 30	15 2	27 50			n.a.
F 3	23 24	22 19	5 10	23 13	0 s 6	24 24	0 52	15 26	0 55	6 14	1 32	4 38	2 31	23 2	0 35	23 11	0 31	7 33	9 55	15 32	15 3	27 50			n.a.
S 4	23 19	25 18	5 3	23 28	0 14	24 22	0 53	15 11	0 55	6 14	1 32	4 38	2 31	23 2	0 35	23 11	0 31	7 33	9 56	15 34	15 4	27 50			n.a.
S 5	23 14	27 9	4 44	23 42	0 21	24 18	0 55	14 55	0 54	6 14	1 32	4 39	2 32	23 3	0 35	23 11	0 31	7 33	9 56	15 36	15 5	27 50			n.a.
M 6	23 9	27 46	4 12	23 56	0 29	24 14	0 57	14 39	0 53	6 14	1 33	4 40	2 32	23 3	0 35	23 11	0 31	7 33	9 56	15 38	15 6	27 50			n.a.
T 7	23 3	27 6	3 30	24 8	0 36	24 10	0 59	14 23	0 52	6 15	1 33	4 41	2 32	23 4	0 35	23 11	0 31	7 34	9 56	15 40	15 7	27 49			n.a.
W 8	22 56	25 12	2 38	24 19	0 43	24 4	1 0	14 7	0 52	6 15	1 33	4 41	2 32	23 4	0 35	23 11	0 31	7 34	9 56	15 42	15 8	27 49			n.a.
T 9	22 50	22 9	1 39	24 29	0 50	23 58	1 2	13 51	0 51	6 15	1 34	4 42	2 33	23 4	0 35	23 11	0 31	7 34	9 56	15 43	15 9	27 49			n.a.
F 10	22 42	18 9	0 35	24 38	0 56	23 51	1 4	13 35	0 50	6 16	1 34	4 42	2 33	23 5	0 35	23 11	0 31	7 34	9 57	15 43	15 10	27 49			n.a.
S 11	22 35	13 21	0 s32	24 46	1 3	23 43	1 5	13 19	0 50	6 16	1 34	4 43	2 33	23 5	0 35	23 11	0 31	7 35	9 57	15 43	15 11	27 48			n.a.
S 12	22 26	7 58	1 38	24 52	1 9	23 35	1 7	13 2	0 49	6 17	1 34	4 44	2 33	23 5	0 35	23 11	0 31	7 35	9 57	15 43	15 12	27 48			n.a.
M13	22 18	2 11	2 41	24 57	1 14	23 26	1 8	12 46	0 48	6 18	1 35	4 44	2 34	23 6	0 35	23 11	0 31	7 35	9 57	15 43	15 13	27 48			n.a.
T 14	22 9	3 s48	3 37	25 1	1 20	23 16	1 10	12 29	0 47	6 19	1 35	4 44	2 34	23 6	0 35	23 11	0 31	7 35	9 57	15 42	15 14	27 47			n.a.
W15	22 0	9 46	4 23	25 3	1 25	23 5	1 11	12 12	0 47	6 20	1 35	4 45	2 34	23 6	0 35	23 12	0 31	7 35	9 58	15 42	15 15	27 47			n.a.
T 16	21 50	15 27	4 56	25 4	1 30	22 54	1 12	11 56	0 46	6 20	1 36	4 45	2 34	23 7	0 35	23 12	0 31	7 35	9 58	15 42	15 16	27 47			n.a.
F 17	21 39	20 31	5 13	25 3	1 35	22 42	1 13	11 39	0 45	6 22	1 36	4 45	2 35	23 7	0 35	23 12	0 31	7 35	9 58	15 42	15 17	27 46			n.a.
S 18	21 29	24 33	5 11	25 1	1 39	22 29	1 15	11 22	0 44	6 23	1 36	4 46	2 35	23 8	0 35	23 12	0 31	7 36	9 58	15 43	15 18	27 46			n.a.
S 19	21 18	27 6	4 49	24 57	1 43	22 16	1 16	11 5	0 44	6 24	1 36	4 46	2 35	23 8	0 35	23 12	0 31	7 36	9 58	15 44	15 19	27 46			n.a.
M20	21 6	27 47	4 8	24 52	1 47	22 2	1 17	10 48	0 43	6 25	1 37	4 46	2 35	23 8	0 35	23 12	0 31	7 36	9 59	15 45	15 20	27 45			n.a.
T 21	20 55	26 25	3 9	24 45	1 50	21 47	1 18	10 30	0 42	6 26	1 37	4 46	2 36	23 9	0 35	23 12	0 31	7 36	9 59	15 45	15 21	27 45			n.a.
W22	20 42	23 8	1 57	24 37	1 53	21 32	1 19	10 13	0 42	6 28	1 37	4 46	2 36	23 9	0 35	23 12	0 31	7 36	9 59	15 46	15 22	27 45			n.a.
T 23	20 30	18 20	0 37	24 26	1 56	21 16	1 20	9 56	0 41	6 29	1 38	4 46	2 36	23 9	0 35	23 12	0 31	7 36	9 59	15 46	15 23	27 44			n.a.
F 24	20 17	12 32	0n43	24 14	1 58	21 0	1 21	9 39	0 40	6 31	1 38	4 46	2 36	23 10	0 35	23 12	0 31	7 36	10 0	15 46	15 24	27 44			n.a.
S 25	20 3	6 13	1 59	24 1	2 0	20 43	1 21	9 21	0 39	6 32	1 38	4 46	2 37	23 10	0 35	23 12	0 31	7 36	10 0	15 46	15 25	27 43			n.a.
S 26	19 50	0n11	3 6	23 45	2 1	20 25	1 22	9 4	0 39	6 34	1 38	4 46	2 37	23 10	0 35	23 12	0 31	7 36	10 0	15 46	15 26	27 43			n.a.
M27	19 36	6 22	4 0	23 28	2 2	20 6	1 23	8 46	0 38	6 36	1 39	4 46	2 37	23 11	0 35	23 12	0 31	7 36	10 0	15 45	15 27	27 43			n.a.
T 28	19 21	12 5	4 40	23 9	2 3	19 47	1 23	8 28	0 37	6 37	1 39	4 46	2 37	23 11	0 35	23 12	0 31	7 36	10 1	15 45	15 28	27 42			n.a.
W29	19 7	17 9	5 5	22 48	2 3	19 28	1 24	8 11	0 36	6 39	1 39	4 46	2 38	23 11	0 35	23 12	0 31	7 36	10 1	15 45	15 29	27 42			n.a.
T 30	18 51	21 24	5 16	22 25	2 3	19 8	1 24	7 53	0 36	6 41	1 39	4 46	2 38	23 11	0 35	23 12	0 31	7 36	10 1	15 45	15 30	27 41			n.a.
F 31	18 s36	24n40	5n13	22 s 0	2 s 2	18 s47	1 s25	7 s35	0 s35	6n43	1n40	4 s46	2n38	23n12	0n35	23n12	0 s31	7 s36	10n 1	15 s45	15 s31	27n41			n.a.

Julian Day Number = 1638876.5, Delta T = 03h37m34s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'22, Lahiri = - 7°04'22 Julian Calendar 1 Jan. 226 BCE == Greg. Calendar 28 Dec. 227 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

FEBRUARY 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 27 1	8♒33'06	8♊27	3♒31	13♒ 7	12♓59	16°R55	18°R 7	17°R 0	1°R42	17♏24	17°R33	18♒15	27♊51	n.a.	S 1
S 2	8 30 58	9°33'09	20°18	5°22	14°22	13°43	16♍51	18♎ 7	16♋58	1♋41	17°25	17♒32	18°12	27°58	n.a.	S 2
M 3	8 34 54	10°33'11	2♋ 8	7°13	15°37	14°27	16°46	18° 7	16°56	1°40	17°26	17°31	18° 9	28° 4	n.a.	M 3
T 4	8 38 51	11°33'10	14° 0	9° 5	16°52	15°11	16°41	18° 6	16°53	1°38	17°26	17°30	18° 6	28°11	n.a.	T 4
W 5	8 42 47	12°33'08	25°59	10°58	18° 6	15°55	16°36	18° 6	16°51	1°37	17°27	17°30	18° 3	28°18	n.a.	W 5
T 6	8 46 44	13°33'03	8♌ 4	12°52	19°21	16°39	16°30	18° 5	16°49	1°36	17°27	17°29	17°59	28°24	n.a.	T 6
F 7	8 50 41	14°32'56	20°20	14°47	20°36	17°23	16°25	18° 5	16°46	1°35	17°28	17°D29	17°56	28°31	n.a.	F 7
S 8	8 54 37	15°32'47	2♍46	16°43	21°50	18° 7	16°19	18° 4	16°44	1°34	17°28	17°29	17°53	28°38	n.a.	S 8
S 9	8 58 34	16°32'36	15°24	18°40	23° 5	18°51	16°13	18° 3	16°42	1°33	17°29	17°29	17°50	28°45	n.a.	S 9
M10	9 2 30	17°32'22	28°16	20°38	24°20	19°35	16° 8	18° 2	16°40	1°32	17°29	17°R30	17°47	28°51	n.a.	M10
T 11	9 6 27	18°32'08	11♎21	22°36	25°34	20°18	16° 2	18° 1	16°38	1°31	17°30	17°29	17°44	28°58	n.a.	T 11
W12	9 10 23	19°31'51	24°41	24°35	26°49	21° 2	15°55	17°59	16°36	1°30	17°30	17°29	17°40	29° 5	n.a.	W12
T 13	9 14 20	20°31'32	8♏17	26°34	28° 4	21°46	15°49	17°58	16°34	1°29	17°30	17°29	17°37	29°11	n.a.	T 13
F 14	9 18 16	21°31'12	22° 8	28°33	29°18	22°29	15°43	17°57	16°32	1°28	17°31	17°D29	17°34	29°18	n.a.	F 14
S 15	9 22 13	22°30'50	6♐15	0♓32	0♓33	23°13	15°36	17°55	16°30	1°27	17°31	17°29	17°31	29°25	n.a.	S 15
S 16	9 26 10	23°30'26	20°35	2°30	1°47	23°57	15°30	17°54	16°28	1°26	17°31	17°30	17°28	29°31	n.a.	S 16
M17	9 30 6	24°30'01	5♑ 7	4°28	3° 2	24°40	15°23	17°52	16°26	1°25	17°31	17°30	17°24	29°38	n.a.	M17
T 18	9 34 3	25°29'33	19°45	6°25	4°16	25°24	15°16	17°50	16°24	1°24	17°32	17°31	17°21	29°45	n.a.	T 18
W19	9 37 59	26°29'04	4♒24	8°21	5°31	26° 7	15° 9	17°48	16°22	1°23	17°32	17°31	17°18	29°51	n.a.	W19
T 20	9 41 56	27°28'32	18°59	10°15	6°45	26°50	15° 2	17°46	16°20	1°22	17°32	17°R31	17°15	29°58	n.a.	T 20
F 21	9 45 52	28°27'58	3♓22	12° 6	8° 0	27°34	14°55	17°44	16°19	1°22	17°32	17°31	17°12	0♋ 5	n.a.	F 21
S 22	9 49 49	29°27'22	17°28	13°55	9°14	28°17	14°48	17°42	16°17	1°21	17°R32	17°30	17° 9	0°11	n.a.	S 22
S 23	9 53 45	0♓26'44	1♈13	15°41	10°29	29° 0	14°41	17°40	16°15	1°20	17°32	17°29	17° 5	0°18	n.a.	S 23
M24	9 57 42	1°26'04	14°36	17°24	11°43	29°44	14°34	17°37	16°14	1°19	17°32	17°27	17° 2	0°25	n.a.	M24
T 25	10 1 39	2°25'21	27°36	19° 3	12°57	0♈27	14°26	17°35	16°12	1°19	17°32	17°25	16°59	0°32	n.a.	T 25
W26	10 5 35	3°24'35	10♉15	20°37	14°12	1°10	14°19	17°32	16°10	1°18	17°32	17°23	16°56	0°38	n.a.	W26
T 27	10 9 32	4°23'48	22°35	22° 7	15°26	1°53	14°11	17°30	16° 9	1°18	17°32	17°22	16°53	0°45	n.a.	T 27
F 28	10 13 28	5♓22'58	4♊40	23♓32	16♓40	2♈36	14♍ 4	17♎27	16♋ 7	1♋17	17♏31	17°D21	16♒49	0♋52	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s20	26n51	4n56	21s34	2s 1	18s26	1s25	7s17	0s34	6n45	1n40	4s45	2n38	23n12	0n35	23n12	0s31	7s36	10n 1	15s45	15s32	27n41		n.a.
S 2	18 4	27 48	4 27	21 5	2 0	18 5	1 26	7 0	0 34	6 47	1 40	4 45	2 39	23 12	0 35	23 12	0 31	7 36	10 2	15 46	15 33	27 40		n.a.
M 3	17 48	27 28	3 46	20 35	1 58	17 43	1 26	6 42	0 33	6 49	1 40	4 45	2 39	23 13	0 35	23 12	0 31	7 36	10 2	15 46	15 34	27 40		n.a.
T 4	17 31	25 53	2 55	20 3	1 55	17 20	1 26	6 24	0 32	6 52	1 41	4 44	2 39	23 13	0 35	23 12	0 30	7 36	10 2	15 46	15 35	27 39		n.a.
W 5	17 14	23 7	1 57	19 28	1 52	16 57	1 26	6 6	0 31	6 54	1 41	4 44	2 39	23 13	0 35	23 12	0 30	7 36	10 2	15 46	15 36	27 39		n.a.
T 6	16 57	19 18	0 52	18 52	1 48	16 33	1 26	5 48	0 31	6 56	1 41	4 43	2 40	23 14	0 35	23 12	0 30	7 36	10 3	15 47	15 37	27 38		n.a.
F 7	16 40	14 38	0s16	18 14	1 43	16 9	1 26	5 30	0 30	6 58	1 41	4 43	2 40	23 14	0 35	23 12	0 30	7 36	10 3	15 47	15 38	27 38		n.a.
S 8	16 22	9 18	1 24	17 34	1 39	15 45	1 26	5 12	0 29	7 1	1 41	4 42	2 40	23 14	0 35	23 13	0 30	7 36	10 3	15 47	15 39	27 37		n.a.
S 9	16 4	3 32	2 29	16 53	1 33	15 20	1 26	4 54	0 28	7 3	1 42	4 42	2 40	23 14	0 35	23 13	0 30	7 36	10 3	15 47	15 40	27 37		n.a.
M10	15 46	2s28	3 28	16 9	1 27	14 55	1 26	4 36	0 28	7 6	1 42	4 41	2 40	23 15	0 35	23 13	0 30	7 35	10 4	15 46	15 41	27 36		n.a.
T 11	15 27	8 28	4 16	15 24	1 20	14 29	1 25	4 18	0 27	7 8	1 42	4 40	2 41	23 15	0 35	23 13	0 30	7 35	10 4	15 47	15 42	27 36		n.a.
W12	15 8	14 12	4 53	14 38	1 13	14 3	1 25	4 0	0 26	7 11	1 42	4 40	2 41	23 15	0 35	23 13	0 30	7 35	10 4	15 47	15 43	27 35		n.a.
T 13	14 49	19 22	5 13	13 49	1 5	13 37	1 25	3 42	0 26	7 13	1 42	4 39	2 41	23 15	0 35	23 13	0 30	7 35	10 4	15 47	15 44	27 35		n.a.
F 14	14 30	23 36	5 16	13 0	0 56	13 10	1 24	3 24	0 25	7 16	1 42	4 38	2 41	23 16	0 35	23 13	0 30	7 35	10 5	15 47	15 45	27 34		n.a.
S 15	14 10	26 32	5 1	12 9	0 47	12 43	1 24	3 6	0 24	7 19	1 43	4 37	2 42	23 16	0 35	23 13	0 30	7 35	10 5	15 47	15 46	27 33		n.a.
S 16	13 51	27 48	4 26	11 17	0 37	12 15	1 23	2 47	0 23	7 22	1 43	4 37	2 42	23 16	0 35	23 13	0 30	7 35	10 5	15 46	15 47	27 33		n.a.
M17	13 31	27 11	3 34	10 24	0 27	11 47	1 22	2 29	0 23	7 24	1 43	4 36	2 42	23 16	0 35	23 13	0 30	7 34	10 5	15 46	15 48	27 32		n.a.
T 18	13 11	24 42	2 28	9 31	0 16	11 19	1 22	2 11	0 22	7 27	1 43	4 35	2 42	23 17	0 35	23 13	0 30	7 34	10 6	15 46	15 49	27 32		n.a.
W19	12 50	20 33	1 12	8 37	0 5	10 51	1 21	1 53	0 21	7 30	1 43	4 34	2 43	23 17	0 35	23 13	0 30	7 34	10 6	15 46	15 50	27 31		n.a.
T 20	12 30	15 11	0n 8	7 43	0n 7	10 22	1 20	1 35	0 21	7 33	1 43	4 33	2 43	23 17	0 35	23 13	0 30	7 34	10 6	15 46	15 51	27 31		n.a.
F 21	12 9	9 3	1 27	6 49	0 19	9 53	1 19	1 17	0 20	7 36	1 44	4 32	2 43	23 17	0 34	23 13	0 30	7 34	10 6	15 46	15 52	27 30		n.a.
S 22	11 48	2 35	2 38	5 55	0 31	9 24	1 18	0 59	0 19	7 39	1 44	4 31	2 43	23 17	0 34	23 13	0 30	7 33	10 7	15 46	15 53	27 29		n.a.
S 23	11 27	3n50	3 39	5 2	0 44	8 55	1 17	0 41	0 19	7 42	1 44	4 30	2 43	23 18	0 34	23 13	0 30	7 33	10 7	15 47	15 54	27 29		n.a.
M24	11 6	9 54	4 26	4 10	0 56	8 25	1 16	0 23	0 18	7 45	1 44	4 29	2 44	23 18	0 34	23 13	0 30	7 33	10 7	15 47	15 55	27 28		n.a.
T 25	10 44	15 21	4 57	3 20	1 9	7 55	1 15	0 5	0 17	7 48	1 44	4 28	2 44	23 18	0 34	23 13	0 30	7 33	10 7	15 48	15 56	27 27		n.a.
W26	10 22	20 1	5 14	2 31	1 22	7 25	1 14	0n13	0 16	7 51	1 44	4 27	2 44	23 18	0 34	23 13	0 30	7 32	10 7	15 48	15 57	27 27		n.a.
T 27	10 1	23 42	5 15	1 43	1 34	6 55	1 12	0 31	0 16	7 54	1 44	4 25	2 44	23 18	0 34	23 13	0 30	7 32	10 8	15 49	15 58	27 26		n.a.
F 28	9s39	26n16	5n 2	0s58	1n46	6s25	1s11	0n49	0s15	7n57	1n44	4s24	2n44	23n18	0n34	23n13	0s30	7s32	10n 8	15s49	15s59	27n26		n.a.

Julian Day Number = 1638907.5, Delta T = 03h37m33s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'18, Lahiri = - 7°04'18 Julian Calendar 1 Feb. 226 BCE == Greg. Calendar 28 Jan. 226 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

MARCH 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 17 25	6♓22'06	16♊36	24♓52	17♓54	3♈19	13°R56	17°R24	16°R 6	1°R16	17°R31	17♒22	16♒46	0♋58	n.a.	S 1
S 2	10 21 21	7°21'11	28°27	26° 5	19° 9	4° 2	13♍49	17♎22	16♋ 5	1♋16	17♏31	17°23	16°43	1° 5	n.a.	S 2
M 3	10 25 18	8°20'14	10♋18	27°13	20°23	4°45	13°41	17°19	16° 3	1°15	17°31	17°24	16°40	1°12	n.a.	M 3
T 4	10 29 14	9°19'14	22°12	28°15	21°37	5°27	13°33	17°16	16° 2	1°15	17°30	17°26	16°37	1°18	n.a.	T 4
W 5	10 33 11	10°18'13	4♌15	29°10	22°51	6°10	13°26	17°13	16° 1	1°15	17°30	17°27	16°34	1°25	n.a.	W 5
T 6	10 37 7	11°17'08	16°30	29°59	24° 5	6°53	13°18	17°10	16° 0	1°14	17°30	17°R28	16°30	1°32	n.a.	T 6
F 7	10 41 4	12°16'02	28°58	0♈42	25°19	7°36	13°10	17° 6	15°59	1°14	17°29	17°28	16°27	1°38	n.a.	F 7
S 8	10 45 1	13°14'53	11♍42	1°17	26°33	8°18	13° 3	17° 3	15°58	1°14	17°29	17°26	16°24	1°45	n.a.	S 8
S 9	10 48 57	14°13'42	24°42	1°46	27°47	9° 1	12°55	17° 0	15°57	1°13	17°28	17°23	16°21	1°52	n.a.	S 9
M10	10 52 54	15°12'30	7♎57	2° 8	29° 1	9°43	12°47	16°56	15°56	1°13	17°28	17°19	16°18	1°58	n.a.	M10
T 11	10 56 50	16°11'15	21°26	2°23	0♈15	10°26	12°40	16°53	15°55	1°13	17°27	17°14	16°15	2° 5	n.a.	T 11
W12	11 0 47	17° 9'58	5♏ 8	2°32	1°29	11° 8	12°32	16°49	15°54	1°13	17°27	17°10	16°11	2°12	n.a.	W12
T 13	11 4 43	18° 8'40	19° 0	2°R34	2°43	11°51	12°24	16°46	15°53	1°13	17°26	17° 6	16° 8	2°19	n.a.	T 13
F 14	11 8 40	19° 7'20	3♐ 0	2°29	3°57	12°33	12°17	16°42	15°52	1°13	17°26	17° 4	16° 5	2°25	n.a.	F 14
S 15	11 12 36	20° 5'58	17° 6	2°19	5°11	13°15	12° 9	16°38	15°51	1°12	17°25	17°D 3	16° 2	2°32	n.a.	S 15
S 16	11 16 33	21° 4'34	1♑17	2° 3	6°25	13°58	12° 1	16°35	15°51	1°12	17°24	17° 3	15°59	2°39	n.a.	S 16
M17	11 20 30	22° 3'09	15°30	1°42	7°39	14°40	11°54	16°31	15°50	1°D12	17°24	17° 4	15°55	2°45	n.a.	M17
T 18	11 24 26	23° 1'42	29°44	1°15	8°53	15°22	11°46	16°27	15°50	1°12	17°23	17° 6	15°52	2°52	n.a.	T 18
W19	11 28 23	24° 0'13	13♒56	0°45	10° 6	16° 4	11°39	16°23	15°49	1°13	17°22	17°R 7	15°49	2°59	n.a.	W19
T 20	11 32 19	24°58'42	28° 3	0°11	11°20	16°46	11°32	16°19	15°49	1°13	17°21	17° 6	15°46	3° 5	n.a.	T 20
F 21	11 36 16	25°57'09	12♓ 2	29♓34	12°34	17°28	11°24	16°15	15°48	1°13	17°21	17° 4	15°43	3°12	n.a.	F 21
S 22	11 40 12	26°55'35	25°48	28°54	13°48	18°10	11°17	16°11	15°48	1°13	17°20	17° 0	15°40	3°19	n.a.	S 22
S 23	11 44 9	27°53'58	9♈20	28°14	15° 1	18°52	11°10	16° 7	15°48	1°13	17°19	16°54	15°36	3°25	n.a.	S 23
M24	11 48 5	28°52'20	22°34	27°32	16°15	19°34	11° 3	16° 3	15°47	1°13	17°18	16°47	15°33	3°32	n.a.	M24
T 25	11 52 2	29°50'39	5♉30	26°51	17°28	20°16	10°56	15°59	15°47	1°14	17°17	16°40	15°30	3°39	n.a.	T 25
W26	11 55 58	0♈48'57	18° 7	26°10	18°42	20°58	10°49	15°54	15°47	1°14	17°16	16°33	15°27	3°45	n.a.	W26
T 27	11 59 55	1°47'12	0♊27	25°31	19°56	21°40	10°42	15°50	15°47	1°14	17°15	16°27	15°24	3°52	n.a.	T 27
F 28	12 3 52	2°45'25	12°34	24°54	21° 9	22°22	10°35	15°46	15°D47	1°15	17°14	16°23	15°21	3°59	n.a.	F 28
S 29	12 7 48	3°43'37	24°30	24°19	22°23	23° 3	10°29	15°42	15°47	1°15	17°13	16°20	15°17	4° 5	n.a.	S 29
S 30	12 11 45	4°41'46	6♋21	23°48	23°36	23°45	10°22	15°37	15°47	1°15	17°12	16°D20	15°14	4°12	n.a.	S 30
M31	12 15 41	5♈39'53	18♋12	23♓20	24♈50	24♈27	10♍16	15♎33	15♋47	1♋16	17♏11	16♒21	15♒11	4♋19	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s17	27n37	4n36	0s15	1n58	5s54	1s10	1n 7	0s14	8n 0	1n44	4s23	2n45	23n19	0n34	23n13	0s30	7s32	10n 8	15s49	16s 0	27n25		n.a.
S 2	8 55	27 41	3 58	0n25	2 10	5 23	1 8	1 25	0 14	8 3	1 44	4 22	2 45	23 19	0 34	23 13	0 30	7 31	10 8	15 49	16 1	27 24		n.a.
M 3	8 32	26 29	3 11	1 2	2 21	4 53	1 7	1 42	0 13	8 6	1 44	4 20	2 45	23 19	0 34	23 13	0 30	7 31	10 9	15 48	16 2	27 24		n.a.
T 4	8 10	24 5	2 15	1 36	2 31	4 22	1 5	2 0	0 12	8 9	1 44	4 19	2 45	23 19	0 34	23 13	0 30	7 31	10 9	15 48	16 3	27 23		n.a.
W 5	7 48	20 35	1 12	2 7	2 41	3 51	1 4	2 18	0 12	8 12	1 45	4 18	2 45	23 19	0 34	23 13	0 30	7 30	10 9	15 47	16 4	27 22		n.a.
T 6	7 25	16 10	0 5	2 35	2 50	3 19	1 2	2 36	0 11	8 15	1 45	4 16	2 45	23 19	0 34	23 13	0 30	7 30	10 9	15 47	16 5	27 21		n.a.
F 7	7 2	10 59	1s 3	2 59	2 58	2 48	1 0	2 53	0 10	8 18	1 45	4 15	2 46	23 19	0 34	23 13	0 30	7 30	10 10	15 47	16 6	27 21		n.a.
S 8	6 40	5 16	2 9	3 20	3 5	2 17	0 59	3 11	0 10	8 21	1 45	4 14	2 46	23 19	0 34	23 13	0 30	7 29	10 10	15 48	16 7	27 20		n.a.
S 9	6 17	0s46	3 10	3 37	3 11	1 45	0 57	3 29	0 9	8 24	1 45	4 12	2 46	23 20	0 34	23 14	0 30	7 29	10 10	15 49	16 7	27 19		n.a.
M10	5 54	6 53	4 2	3 50	3 15	1 14	0 55	3 46	0 8	8 27	1 45	4 11	2 46	23 20	0 34	23 14	0 30	7 29	10 10	15 50	16 8	27 19		n.a.
T 11	5 31	12 48	4 42	4 0	3 19	0 42	0 53	4 4	0 8	8 30	1 45	4 9	2 46	23 20	0 34	23 14	0 30	7 28	10 10	15 51	16 9	27 18		n.a.
W12	5 8	18 10	5 6	4 5	3 21	0 11	0 51	4 21	0 7	8 33	1 45	4 8	2 46	23 20	0 34	23 14	0 30	7 28	10 11	15 53	16 10	27 17		n.a.
T 13	4 44	22 40	5 12	4 7	3 22	0n21	0 49	4 38	0 6	8 36	1 45	4 6	2 46	23 20	0 34	23 14	0 29	7 28	10 11	15 54	16 11	27 16		n.a.
F 14	4 21	25 55	5 1	4 5	3 22	0 52	0 47	4 56	0 6	8 39	1 45	4 5	2 47	23 20	0 34	23 14	0 29	7 27	10 11	15 54	16 12	27 16		n.a.
S 15	3 58	27 35	4 31	3 59	3 20	1 24	0 45	5 13	0 5	8 42	1 45	4 3	2 47	23 20	0 34	23 14	0 29	7 27	10 11	15 55	16 13	27 15		n.a.
S 16	3 35	27 27	3 44	3 49	3 16	1 55	0 43	5 30	0 4	8 44	1 45	4 2	2 47	23 20	0 34	23 14	0 29	7 27	10 11	15 55	16 14	27 14		n.a.
M17	3 11	25 31	2 44	3 36	3 11	2 27	0 41	5 47	0 4	8 47	1 44	4 0	2 47	23 20	0 34	23 14	0 29	7 26	10 12	15 54	16 15	27 13		n.a.
T 18	2 48	21 58	1 33	3 19	3 5	2 58	0 39	6 4	0 3	8 50	1 44	3 59	2 47	23 20	0 34	23 14	0 29	7 26	10 12	15 54	16 16	27 12		n.a.
W19	2 25	17 7	0 17	3 0	2 57	3 30	0 36	6 21	0 2	8 53	1 44	3 57	2 47	23 20	0 34	23 14	0 29	7 25	10 12	15 54	16 17	27 12		n.a.
T 20	2 1	11 22	0n59	2 37	2 47	4 1	0 34	6 38	0 2	8 56	1 44	3 55	2 47	23 20	0 34	23 14	0 29	7 25	10 12	15 54	16 18	27 11		n.a.
F 21	1 38	5 7	2 11	2 13	2 36	4 32	0 32	6 55	0 1	8 58	1 44	3 54	2 47	23 20	0 34	23 14	0 29	7 25	10 12	15 54	16 19	27 10		n.a.
S 22	1 14	1n17	3 15	1 46	2 24	5 3	0 29	7 12	0 0	9 1	1 44	3 52	2 47	23 20	0 34	23 14	0 29	7 24	10 13	15 56	16 20	27 9		n.a.
S 23	0 51	7 30	4 5	1 17	2 11	5 34	0 27	7 29	0n 0	9 4	1 44	3 50	2 48	23 20	0 34	23 14	0 29	7 24	10 13	15 57	16 21	27 8		n.a.
M24	0 27	13 14	4 42	0 48	1 57	6 5	0 25	7 46	0 1	9 7	1 44	3 49	2 48	23 20	0 34	23 14	0 29	7 23	10 13	16 0	16 22	27 7		n.a.
T 25	0 4	18 16	5 3	0 17	1 42	6 36	0 22	8 2	0 1	9 9	1 44	3 47	2 48	23 20	0 34	23 14	0 29	7 23	10 13	16 2	16 23	27 7		n.a.
W26	0n20	22 22	5 9	0s13	1 26	7 6	0 20	8 19	0 2	9 12	1 44	3 45	2 48	23 20	0 34	23 14	0 29	7 23	10 13	16 4	16 24	27 6		n.a.
T 27	0 43	25 22	5 0	0 44	1 10	7 37	0 17	8 35	0 3	9 14	1 44	3 44	2 48	23 20	0 34	23 14	0 29	7 22	10 13	16 6	16 25	27 5		n.a.
F 28	1 7	27 9	4 37	1 14	0 54	8 7	0 15	8 51	0 3	9 17	1 44	3 42	2 48	23 20	0 34	23 14	0 29	7 22	10 14	16 7	16 26	27 4		n.a.
S 29	1 30	27 40	4 3	1 43	0 37	8 37	0 12	9 8	0 4	9 19	1 43	3 40	2 48	23 20	0 34	23 14	0 29	7 21	10 14	16 8	16 27	27 3		n.a.
S 30	1 53	26 53	3 19	2 11	0 20	9 7	0 10	9 24	0 5	9 21	1 43	3 38	2 48	23 20	0 34	23 14	0 29	7 21	10 14	16 8	16 28	27 2		n.a.
M31	2n17	24n53	2n26	2s37	0n 4	9n37	0s 7	9n40	0n 5	9n24	1n43	3s37	2n48	23n20	0n34	23n14	0s29	7s21	10n14	16s 8	16s28	27n 1		n.a.

Julian Day Number = 1638935.5, Delta T = 03h37m32s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'14, Lahiri = - 7°04'14 Julian Calendar 1 March 226 BCE == Greg. Calendar 25 Feb. 226 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

APRIL 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 19 38	6♈37'58	0♌ 7	22°R57	26♈ 3	25♈ 8	10°R10	15°R29	15♋47	1♋16	17°R10	16♒22	15♒ 8	4♋25	n.a.	T 1
W 2	12 23 34	7°36'01	12°13	22♓38	27°16	25°50	10♍ 3	15♎24	15°47	1°17	17♏ 9	16°R23	15° 5	4°32	n.a.	W 2
T 3	12 27 31	8°34'02	24°32	22°23	28°30	26°31	9°57	15°20	15°48	1°17	17° 8	16°22	15° 1	4°39	n.a.	T 3
F 4	12 31 27	9°32'01	7♍10	22°13	29°43	27°12	9°51	15°15	15°48	1°18	17° 6	16°20	14°58	4°45	n.a.	F 4
S 5	12 35 24	10°29'58	20° 8	22° 7	0♉56	27°54	9°46	15°11	15°48	1°19	17° 5	16°16	14°55	4°52	n.a.	S 5
S 6	12 39 21	11°27'53	3♎28	22°D 7	2°10	28°35	9°40	15° 6	15°49	1°19	17° 4	16°10	14°52	4°59	n.a.	S 6
M 7	12 43 17	12°25'47	17° 7	22°11	3°23	29°17	9°34	15° 2	15°49	1°20	17° 3	16° 1	14°49	5° 6	n.a.	M 7
T 8	12 47 14	13°23'39	1♏ 3	22°20	4°36	29°58	9°29	14°58	15°50	1°21	17° 2	15°52	14°46	5°12	n.a.	T 8
W 9	12 51 10	14°21'29	15°12	22°33	5°49	0♉39	9°24	14°53	15°51	1°21	17° 0	15°43	14°42	5°19	n.a.	W 9
T 10	12 55 7	15°19'19	29°29	22°52	7° 2	1°20	9°19	14°49	15°51	1°22	16°59	15°35	14°39	5°26	n.a.	T 10
F 11	12 59 3	16°17'06	13♐48	23°14	8°15	2° 1	9°14	14°44	15°52	1°23	16°58	15°29	14°36	5°32	n.a.	F 11
S 12	13 3 0	17°14'53	28° 6	23°41	9°28	2°42	9° 9	14°40	15°53	1°24	16°56	15°25	14°33	5°39	n.a.	S 12
S 13	13 6 56	18°12'38	12♑19	24°12	10°41	3°23	9° 4	14°35	15°54	1°25	16°55	15°D24	14°30	5°46	n.a.	S 13
M14	13 10 53	19°10'22	26°26	24°47	11°54	4° 4	9° 0	14°31	15°54	1°26	16°54	15°24	14°26	5°52	n.a.	M14
T 15	13 14 50	20° 8'05	10♒25	25°26	13° 7	4°45	8°55	14°26	15°55	1°27	16°52	15°R24	14°23	5°59	n.a.	T 15
W16	13 18 46	21° 5'47	24°16	26° 9	14°20	5°26	8°51	14°22	15°56	1°28	16°51	15°24	14°20	6° 6	n.a.	W16
T 17	13 22 43	22° 3'27	7♓58	26°55	15°33	6° 7	8°47	14°17	15°57	1°29	16°50	15°22	14°17	6°12	n.a.	T 17
F 18	13 26 39	23° 1'07	21°32	27°45	16°46	6°48	8°43	14°13	15°58	1°30	16°48	15°18	14°14	6°19	n.a.	F 18
S 19	13 30 36	23°58'45	4♈54	28°38	17°59	7°29	8°39	14° 9	16° 0	1°31	16°47	15°10	14°11	6°26	n.a.	S 19
S 20	13 34 32	24°56'21	18° 5	29°35	19°12	8°10	8°36	14° 4	16° 1	1°32	16°45	15° 1	14° 7	6°32	n.a.	S 20
M21	13 38 29	25°53'57	1♉ 3	0♈35	20°24	8°50	8°32	14° 0	16° 2	1°33	16°44	14°49	14° 4	6°39	n.a.	M21
T 22	13 42 25	26°51'31	13°46	1°38	21°37	9°31	8°29	13°56	16° 3	1°34	16°42	14°37	14° 1	6°46	n.a.	T 22
W23	13 46 22	27°49'04	26°15	2°44	22°50	10°12	8°26	13°51	16° 5	1°35	16°41	14°25	13°58	6°52	n.a.	W23
T 24	13 50 19	28°46'36	8♊30	3°52	24° 3	10°52	8°23	13°47	16° 6	1°36	16°39	14°15	13°55	6°59	n.a.	T 24
F 25	13 54 15	29°44'06	20°33	5° 4	25°15	11°33	8°21	13°43	16° 7	1°38	16°38	14° 7	13°52	7° 6	n.a.	F 25
S 26	13 58 12	0♉41'35	2♋27	6°19	26°28	12°14	8°18	13°39	16° 9	1°39	16°36	14° 1	13°48	7°12	n.a.	S 26
S 27	14 2 8	1°39'02	14°17	7°36	27°40	12°54	8°16	13°35	16°10	1°40	16°35	13°58	13°45	7°19	n.a.	S 27
M28	14 6 5	2°36'28	26° 6	8°56	28°53	13°35	8°14	13°31	16°12	1°41	16°33	13°57	13°42	7°26	n.a.	M28
T 29	14 10 1	3°33'53	8♌ 1	10°18	0♊ 5	14°15	8°12	13°26	16°14	1°43	16°32	13°57	13°39	7°32	n.a.	T 29
W30	14 13 58	4♉31'16	20♌ 6	11♈43	1♊18	14♉55	8♍10	13♎22	16♋15	1♋44	16♏30	13♒57	13♒36	7♋39	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n40	21n46	1n27	3s 1	0s12	10n 6	0s 5	9n56	0n 6	9n26	1n43	3s35	2n48	23n20	0n34	23n14	0s29	7s20	10n14	16s 7	16s29	27n 1		n.a.
W 2	3 3	17 42	0 22	3 24	0 28	10 35	0 2	10 12	0 6	9 28	1 43	3 33	2 48	23 20	0 34	23 14	0 29	7 20	10 14	16 7	16 30	27 0		n.a.
T 3	3 26	12 49	0s44	3 43	0 44	11 4	0n 0	10 27	0 7	9 30	1 43	3 31	2 48	23 20	0 34	23 14	0 29	7 19	10 14	16 7	16 31	26 59		n.a.
F 4	3 49	7 17	1 49	4 1	0 58	11 33	0 3	10 43	0 8	9 33	1 43	3 30	2 48	23 20	0 34	23 14	0 29	7 19	10 14	16 8	16 32	26 58		n.a.
S 5	4 12	1 20	2 51	4 16	1 12	12 2	0 6	10 59	0 8	9 35	1 42	3 28	2 48	23 20	0 34	23 14	0 29	7 18	10 15	16 9	16 33	26 57		n.a.
S 6	4 35	4s49	3 45	4 28	1 26	12 30	0 8	11 14	0 9	9 37	1 42	3 26	2 48	23 20	0 34	23 14	0 29	7 18	10 15	16 11	16 34	26 56		n.a.
M 7	4 58	10 54	4 27	4 38	1 38	12 58	0 11	11 30	0 9	9 39	1 42	3 25	2 48	23 20	0 34	23 14	0 29	7 18	10 15	16 13	16 35	26 55		n.a.
T 8	5 21	16 34	4 55	4 46	1 50	13 25	0 14	11 45	0 10	9 41	1 42	3 23	2 48	23 20	0 34	23 14	0 29	7 17	10 15	16 16	16 36	26 54		n.a.
W 9	5 44	21 26	5 5	4 50	2 1	13 52	0 16	12 0	0 11	9 42	1 42	3 21	2 48	23 20	0 34	23 14	0 29	7 17	10 15	16 19	16 37	26 53		n.a.
T 10	6 6	25 5	4 56	4 52	2 11	14 19	0 19	12 15	0 11	9 44	1 41	3 19	2 48	23 19	0 34	23 14	0 29	7 16	10 15	16 21	16 38	26 52		n.a.
F 11	6 29	27 10	4 28	4 52	2 20	14 46	0 21	12 30	0 12	9 46	1 41	3 18	2 48	23 19	0 33	23 14	0 29	7 16	10 15	16 23	16 39	26 51		n.a.
S 12	6 51	27 27	3 45	4 49	2 29	15 12	0 24	12 45	0 12	9 48	1 41	3 16	2 48	23 19	0 33	23 14	0 29	7 15	10 15	16 24	16 40	26 50		n.a.
S 13	7 13	25 55	2 47	4 43	2 36	15 38	0 27	13 0	0 13	9 49	1 41	3 14	2 48	23 19	0 33	23 14	0 29	7 15	10 15	16 25	16 41	26 49		n.a.
M14	7 36	22 45	1 39	4 35	2 43	16 3	0 29	13 14	0 14	9 51	1 41	3 13	2 48	23 19	0 33	23 14	0 29	7 14	10 15	16 25	16 42	26 48		n.a.
T 15	7 58	18 16	0 27	4 25	2 49	16 28	0 32	13 29	0 14	9 52	1 40	3 11	2 48	23 19	0 33	23 14	0 29	7 14	10 15	16 24	16 43	26 47		n.a.
W16	8 20	12 51	0n47	4 12	2 54	16 53	0 35	13 43	0 15	9 54	1 40	3 9	2 48	23 19	0 33	23 14	0 29	7 14	10 16	16 25	16 43	26 46		n.a.
T 17	8 41	6 52	1 57	3 57	2 58	17 17	0 37	13 58	0 15	9 55	1 40	3 7	2 48	23 19	0 33	23 14	0 29	7 13	10 16	16 25	16 44	26 45		n.a.
F 18	9 3	0 39	3 0	3 41	3 2	17 41	0 40	14 12	0 16	9 56	1 40	3 6	2 48	23 18	0 33	23 14	0 28	7 13	10 16	16 26	16 45	26 44		n.a.
S 19	9 25	5n30	3 51	3 22	3 4	18 4	0 42	14 26	0 17	9 57	1 40	3 4	2 48	23 18	0 33	23 14	0 28	7 12	10 16	16 29	16 46	26 43		n.a.
S 20	9 46	11 19	4 29	3 0	3 6	18 27	0 45	14 40	0 17	9 58	1 39	3 3	2 48	23 18	0 33	23 15	0 28	7 12	10 16	16 31	16 47	26 42		n.a.
M21	10 7	16 32	4 53	2 38	3 7	18 49	0 48	14 54	0 18	10 0	1 39	3 1	2 48	23 18	0 33	23 15	0 28	7 11	10 16	16 35	16 48	26 41		n.a.
T 22	10 28	20 56	5 1	2 13	3 8	19 11	0 50	15 7	0 18	10 1	1 39	2 59	2 48	23 18	0 33	23 15	0 28	7 11	10 16	16 39	16 49	26 40		n.a.
W23	10 49	24 19	4 55	1 46	3 7	19 33	0 53	15 21	0 19	10 1	1 39	2 58	2 47	23 18	0 33	23 15	0 28	7 11	10 16	16 42	16 50	26 39		n.a.
T 24	11 10	26 31	4 35	1 17	3 7	19 54	0 55	15 34	0 19	10 2	1 38	2 56	2 47	23 17	0 33	23 15	0 28	7 10	10 16	16 45	16 51	26 38		n.a.
F 25	11 31	27 26	4 3	0 47	3 5	20 14	0 57	15 48	0 20	10 3	1 38	2 55	2 47	23 17	0 33	23 15	0 28	7 10	10 16	16 47	16 52	26 37		n.a.
S 26	11 51	27 3	3 21	0 15	3 3	20 34	1 0	16 1	0 21	10 4	1 38	2 53	2 47	23 17	0 33	23 15	0 28	7 9	10 16	16 49	16 53	26 36		n.a.
S 27	12 11	25 26	2 30	0n18	3 0	20 53	1 2	16 14	0 21	10 4	1 38	2 51	2 47	23 17	0 33	23 15	0 28	7 9	10 16	16 50	16 54	26 35		n.a.
M28	12 31	22 42	1 33	0 53	2 56	21 12	1 5	16 27	0 22	10 5	1 37	2 50	2 47	23 17	0 33	23 15	0 28	7 8	10 16	16 50	16 55	26 33		n.a.
T 29	12 51	18 59	0 31	1 30	2 52	21 30	1 7	16 39	0 22	10 6	1 37	2 48	2 47	23 16	0 33	23 15	0 28	7 8	10 16	16 50	16 56	26 32		n.a.
W30	13n11	14n26	0s33	2n 8	2s47	21n48	1n 9	16n52	0n23	10n 6	1n37	2s47	2n47	23n16	0n33	23n15	0s28	7s 8	10n16	16s50	16s56	26n31		n.a.

Julian Day Number = 1638966.5, Delta T = 03h37m31s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'10, Lahiri = - 7°04'10 Julian Calendar 1 Apr. 226 BCE == Greg. Calendar 28 March 226 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

MAY 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 17 54	5♉28'38	2♍27	13♈11	2♊30	15♉36	8°R 8	13°R18	16♋17	1♋45	16°R29	13°R56	13♒32	7♋46	n.a.	T 1
F 2	14 21 51	6°25'59	15° 9	14°42	3°43	16°16	8♍ 7	13♎15	16°19	1°47	16♏27	13♒53	13°29	7°52	n.a.	F 2
S 3	14 25 48	7°23'18	28°15	16°15	4°55	16°56	8° 6	13°11	16°20	1°48	16°25	13°47	13°26	7°59	n.a.	S 3
S 4	14 29 44	8°20'36	11♎46	17°50	6° 7	17°37	8° 4	13° 7	16°22	1°50	16°24	13°39	13°23	8° 6	n.a.	S 4
M 5	14 33 41	9°17'54	25°42	19°28	7°19	18°17	8° 4	13° 3	16°24	1°51	16°22	13°29	13°20	8°12	n.a.	M 5
T 6	14 37 37	10°15'10	10♏ 0	21° 9	8°32	18°57	8° 3	12°59	16°26	1°53	16°21	13°18	13°17	8°19	n.a.	T 6
W 7	14 41 34	11°12'26	24°34	22°52	9°44	19°37	8° 2	12°56	16°28	1°54	16°19	13° 7	13°13	8°26	n.a.	W 7
T 8	14 45 30	12° 9'41	9♐17	24°37	10°56	20°17	8° 2	12°52	16°30	1°56	16°17	12°57	13°10	8°32	n.a.	T 8
F 9	14 49 27	13° 6'55	24° 0	26°25	12° 8	20°57	8°D 2	12°48	16°32	1°57	16°16	12°49	13° 7	8°39	n.a.	F 9
S 10	14 53 23	14° 4'09	8♑37	28°16	13°20	21°37	8° 2	12°45	16°34	1°59	16°14	12°44	13° 4	8°46	n.a.	S 10
S 11	14 57 20	15° 1'22	23° 3	0♉ 9	14°32	22°17	8° 2	12°42	16°37	2° 1	16°13	12°41	13° 1	8°52	n.a.	S 11
M12	15 1 17	15°58'35	7♒15	2° 4	15°44	22°57	8° 2	12°38	16°39	2° 2	16°11	12°41	12°58	8°59	n.a.	M12
T 13	15 5 13	16°55'47	21°11	4° 2	16°56	23°37	8° 3	12°35	16°41	2° 4	16° 9	12°41	12°54	9° 6	n.a.	T 13
W14	15 9 10	17°52'59	4♓52	6° 1	18° 8	24°17	8° 4	12°32	16°43	2° 6	16° 8	12°40	12°51	9°12	n.a.	W14
T 15	15 13 6	18°50'11	18°19	8° 3	19°20	24°57	8° 4	12°28	16°46	2° 7	16° 6	12°38	12°48	9°19	n.a.	T 15
F 16	15 17 3	19°47'22	1♈33	10° 7	20°31	25°37	8° 6	12°25	16°48	2° 9	16° 5	12°33	12°45	9°26	n.a.	F 16
S 17	15 20 59	20°44'33	14°35	12°12	21°43	26°17	8° 7	12°22	16°50	2°11	16° 3	12°25	12°42	9°32	n.a.	S 17
S 18	15 24 56	21°41'44	27°25	14°19	22°55	26°56	8° 8	12°19	16°53	2°13	16° 1	12°15	12°38	9°39	n.a.	S 18
M19	15 28 52	22°38'55	10♉ 4	16°27	24° 7	27°36	8°10	12°17	16°55	2°14	16° 0	12° 2	12°35	9°46	n.a.	M19
T 20	15 32 49	23°36'05	22°31	18°37	25°18	28°16	8°12	12°14	16°58	2°16	15°58	11°49	12°32	9°52	n.a.	T 20
W21	15 36 46	24°33'15	4♊48	20°47	26°30	28°56	8°14	12°11	17° 0	2°18	15°57	11°37	12°29	9°59	n.a.	W21
T 22	15 40 42	25°30'24	16°54	22°58	27°41	29°35	8°16	12° 8	17° 3	2°20	15°55	11°26	12°26	10° 6	n.a.	T 22
F 23	15 44 39	26°27'33	28°51	25° 9	28°53	0♊15	8°18	12° 6	17° 6	2°22	15°53	11°17	12°23	10°12	n.a.	F 23
S 24	15 48 35	27°24'41	10♋42	27°21	0♋ 4	0°55	8°20	12° 3	17° 8	2°24	15°52	11°10	12°19	10°19	n.a.	S 24
S 25	15 52 32	28°21'50	22°30	29°32	1°16	1°34	8°23	12° 1	17°11	2°26	15°50	11° 7	12°16	10°26	n.a.	S 25
M26	15 56 28	29°18'57	4♌18	1♊42	2°27	2°14	8°26	11°59	17°14	2°27	15°49	11° 5	12°13	10°32	n.a.	M26
T 27	16 0 25	0♊16'04	16°11	3°52	3°38	2°53	8°29	11°56	17°17	2°29	15°47	11°D 5	12°10	10°39	n.a.	T 27
W28	16 4 22	1°13'11	28°15	6° 1	4°49	3°33	8°32	11°54	17°19	2°31	15°46	11°R 5	12° 7	10°46	n.a.	W28
T 29	16 8 18	2°10'17	10♍35	8° 8	6° 1	4°12	8°35	11°52	17°22	2°33	15°44	11° 5	12° 4	10°52	n.a.	T 29
F 30	16 12 15	3° 7'23	23°15	10°15	7°12	4°51	8°39	11°50	17°25	2°35	15°43	11° 3	12° 0	10°59	n.a.	F 30
S 31	16 16 11	4♊ 4'29	6♎21	12♊20	8♋23	5♊31	8♍43	11♎48	17♋28	2♋37	15♏41	10♒59	11♒57	11♋ 6	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	13n30	9n14	1s36	2n47	2s42	22n 5	1n12	17n 5	0n23	10n 6	1n37	2s46	2n47	23n16	0n33	23n15	0s28	7s 7	10n16	16s51	16s57	26n30			n.a.
F 2	13 49	3 30	2 37	3 28	2 36	22 21	1 14	17 17	0 24	10 7	1 36	2 44	2 46	23 16	0 33	23 15	0 28	7 7	10 16	16 52	16 58	26 29			n.a.
S 3	14 8	2s31	3 31	4 10	2 29	22 37	1 16	17 29	0 24	10 7	1 36	2 43	2 46	23 15	0 33	23 15	0 28	7 6	10 16	16 53	16 59	26 28			n.a.
S 4	14 27	8 37	4 16	4 54	2 22	22 52	1 18	17 41	0 25	10 7	1 36	2 41	2 46	23 15	0 33	23 15	0 28	7 6	10 16	16 55	17 0	26 27			n.a.
M 5	14 46	14 29	4 46	5 38	2 14	23 7	1 20	17 53	0 25	10 7	1 36	2 40	2 46	23 15	0 33	23 15	0 28	7 6	10 16	16 58	17 1	26 26			n.a.
T 6	15 4	19 43	5 0	6 24	2 6	23 20	1 22	18 5	0 26	10 7	1 35	2 39	2 46	23 15	0 33	23 15	0 28	7 5	10 16	17 2	17 2	26 24			n.a.
W 7	15 22	23 53	4 55	7 10	1 58	23 34	1 24	18 16	0 26	10 7	1 35	2 37	2 46	23 14	0 33	23 15	0 28	7 5	10 16	17 5	17 3	26 23			n.a.
T 8	15 40	26 33	4 30	7 58	1 49	23 46	1 26	18 28	0 27	10 7	1 35	2 36	2 46	23 14	0 33	23 15	0 28	7 4	10 15	17 8	17 4	26 22			n.a.
F 9	15 58	27 22	3 47	8 46	1 40	23 58	1 28	18 39	0 28	10 7	1 34	2 35	2 45	23 14	0 33	23 15	0 28	7 4	10 15	17 10	17 5	26 21			n.a.
S 10	16 15	26 16	2 49	9 35	1 30	24 9	1 30	18 50	0 28	10 7	1 34	2 34	2 45	23 14	0 33	23 15	0 28	7 4	10 15	17 11	17 6	26 20			n.a.
S 11	16 32	23 24	1 42	10 25	1 20	24 20	1 32	19 1	0 29	10 6	1 34	2 33	2 45	23 13	0 33	23 15	0 28	7 3	10 15	17 12	17 7	26 19			n.a.
M12	16 49	19 8	0 29	11 15	1 9	24 30	1 33	19 12	0 29	10 6	1 34	2 31	2 45	23 13	0 33	23 15	0 28	7 3	10 15	17 12	17 7	26 17			n.a.
T 13	17 6	13 54	0n45	12 5	0 59	24 39	1 35	19 23	0 30	10 5	1 33	2 30	2 45	23 13	0 33	23 15	0 28	7 3	10 15	17 12	17 8	26 16			n.a.
W14	17 22	8 4	1 55	12 56	0 48	24 48	1 37	19 33	0 30	10 5	1 33	2 29	2 45	23 12	0 33	23 15	0 28	7 2	10 15	17 12	17 9	26 15			n.a.
T 15	17 38	1 58	2 56	13 46	0 37	24 55	1 38	19 44	0 31	10 4	1 33	2 28	2 44	23 12	0 33	23 15	0 28	7 2	10 15	17 13	17 10	26 14			n.a.
F 16	17 54	4n 6	3 48	14 37	0 26	25 2	1 40	19 54	0 31	10 4	1 33	2 27	2 44	23 12	0 33	23 15	0 28	7 2	10 15	17 15	17 11	26 13			n.a.
S 17	18 9	9 54	4 26	15 26	0 15	25 9	1 41	20 4	0 32	10 3	1 32	2 26	2 44	23 11	0 33	23 15	0 28	7 1	10 15	17 17	17 12	26 11			n.a.
S 18	18 24	15 11	4 51	16 15	0 4	25 14	1 43	20 14	0 32	10 2	1 32	2 25	2 44	23 11	0 33	23 15	0 28	7 1	10 14	17 20	17 13	26 10			n.a.
M19	18 39	19 45	5 0	17 4	0n 6	25 19	1 44	20 23	0 33	10 1	1 32	2 24	2 44	23 11	0 33	23 15	0 28	7 1	10 14	17 23	17 14	26 9			n.a.
T 20	18 54	23 22	4 55	17 51	0 17	25 23	1 45	20 33	0 33	10 0	1 31	2 23	2 43	23 10	0 33	23 15	0 28	7 0	10 14	17 27	17 15	26 8			n.a.
W21	19 8	25 53	4 37	18 36	0 27	25 27	1 46	20 42	0 34	9 59	1 31	2 22	2 43	23 10	0 33	23 15	0 28	7 0	10 14	17 30	17 16	26 6			n.a.
T 22	19 22	27 9	4 6	19 20	0 37	25 30	1 47	20 51	0 34	9 58	1 31	2 21	2 43	23 10	0 33	23 15	0 28	7 0	10 14	17 33	17 17	26 5			n.a.
F 23	19 36	27 7	3 24	20 2	0 47	25 32	1 48	21 1	0 35	9 57	1 31	2 21	2 43	23 9	0 33	23 15	0 28	7 0	10 14	17 36	17 17	26 4			n.a.
S 24	19 49	25 51	2 34	20 43	0 56	25 33	1 49	21 9	0 35	9 56	1 30	2 20	2 43	23 9	0 33	23 15	0 28	6 59	10 14	17 38	17 18	26 2			n.a.
S 25	20 2	23 25	1 37	21 20	1 5	25 33	1 50	21 18	0 36	9 55	1 30	2 19	2 42	23 9	0 33	23 15	0 28	6 59	10 13	17 39	17 19	26 1			n.a.
M26	20 15	20 0	0 36	21 56	1 13	25 33	1 51	21 27	0 36	9 53	1 30	2 18	2 42	23 8	0 33	23 14	0 28	6 59	10 13	17 39	17 20	26 0			n.a.
T 27	20 27	15 44	0s27	22 29	1 20	25 32	1 52	21 35	0 37	9 52	1 30	2 18	2 42	23 8	0 33	23 14	0 28	6 58	10 13	17 39	17 21	25 59			n.a.
W28	20 39	10 49	1 30	23 0	1 27	25 30	1 52	21 43	0 37	9 51	1 29	2 17	2 42	23 7	0 33	23 14	0 28	6 58	10 13	17 39	17 22	25 57			n.a.
T 29	20 51	5 22	2 30	23 27	1 33	25 28	1 53	21 51	0 38	9 49	1 29	2 17	2 41	23 7	0 33	23 14	0 28	6 58	10 13	17 39	17 23	25 56			n.a.
F 30	21 2	0s25	3 25	23 52	1 39	25 25	1 53	21 59	0 38	9 48	1 29	2 16	2 41	23 7	0 33	23 14	0 28	6 58	10 12	17 40	17 24	25 55			n.a.
S 31	21n13	6s23	4s10	24n15	1n43	25n21	1n54	22n 7	0n38	9n46	1n29	2s15	2n41	23n 6	0n33	23n14	0s27	6s57	10n12	17s41	17s25	25n53			n.a.

Julian Day Number = 1638996.5, Delta T = 03h37m30s
Ecliptic obliquity = 23°43'28, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'06, Lahiri = - 7°04'06 Julian Calendar 1 May 226 BCE == Greg. Calendar 27 Apr. 226 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

JUNE 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 20 8	5♊ 1'34	19♎55	14♊23	9♋34	6♊10	8♍46	11°R46	17♋31	2♋39	15°R40	10°R53	11♒54	11♋12	n.a.	S 1
M 2	16 24 4	5°58'39	3♏58	16°24	10°45	6°50	8°50	11♎45	17°34	2°41	15♏38	10♒45	11°51	11°19	n.a.	M 2
T 3	16 28 1	6°55'44	18°26	18°24	11°56	7°29	8°55	11°43	17°37	2°43	15°37	10°36	11°48	11°26	n.a.	T 3
W 4	16 31 57	7°52'49	3♐15	20°22	13° 6	8° 8	8°59	11°42	17°40	2°45	15°35	10°26	11°44	11°32	n.a.	W 4
T 5	16 35 54	8°49'54	18°17	22°18	14°17	8°47	9° 3	11°40	17°43	2°47	15°34	10°18	11°41	11°39	n.a.	T 5
F 6	16 39 51	9°47'00	3♑21	24°12	15°28	9°27	9° 8	11°39	17°46	2°50	15°32	10°12	11°38	11°46	n.a.	F 6
S 7	16 43 47	10°44'06	18°19	26° 5	16°39	10° 6	9°13	11°37	17°49	2°52	15°31	10° 8	11°35	11°52	n.a.	S 7
S 8	16 47 44	11°41'12	3♒ 2	27°55	17°49	10°45	9°18	11°36	17°53	2°54	15°30	10° 6	11°32	11°59	n.a.	S 8
M 9	16 51 40	12°38'18	17°27	29°43	19° 0	11°24	9°23	11°35	17°56	2°56	15°28	10°D 6	11°29	12° 6	n.a.	M 9
T 10	16 55 37	13°35'25	1♓31	1♋30	20°10	12° 3	9°28	11°34	17°59	2°58	15°27	10° 7	11°25	12°12	n.a.	T 10
W11	16 59 33	14°32'33	15°13	3°14	21°20	12°42	9°33	11°33	18° 2	3° 0	15°26	10°R 7	11°22	12°19	n.a.	W11
T 12	17 3 30	15°29'41	28°35	4°56	22°31	13°21	9°39	11°33	18° 5	3° 2	15°24	10° 6	11°19	12°26	n.a.	T 12
F 13	17 7 26	16°26'50	11♈39	6°37	23°41	14° 0	9°45	11°32	18° 9	3° 4	15°23	10° 4	11°16	12°32	n.a.	F 13
S 14	17 11 23	17°23'59	24°27	8°15	24°51	14°39	9°50	11°31	18°12	3° 7	15°22	9°59	11°13	12°39	n.a.	S 14
S 15	17 15 20	18°21'10	7♉ 2	9°52	26° 1	15°18	9°56	11°31	18°15	3° 9	15°20	9°52	11°10	12°46	n.a.	S 15
M16	17 19 16	19°18'21	19°25	11°26	27°11	15°57	10° 2	11°30	18°19	3°11	15°19	9°43	11° 6	12°52	n.a.	M16
T 17	17 23 13	20°15'32	1♊38	12°59	28°21	16°36	10° 9	11°30	18°22	3°13	15°18	9°34	11° 3	12°59	n.a.	T 17
W18	17 27 9	21°12'45	13°42	14°29	29°31	17°15	10°15	11°30	18°25	3°15	15°17	9°25	11° 0	13° 6	n.a.	W18
T 19	17 31 6	22° 9'58	25°39	15°58	0♌41	17°54	10°22	11°30	18°29	3°17	15°15	9°17	10°57	13°12	n.a.	T 19
F 20	17 35 2	23° 7'11	7♋31	17°24	1°51	18°33	10°28	11°D30	18°32	3°20	15°14	9°11	10°54	13°19	n.a.	F 20
S 21	17 38 59	24° 4'25	19°19	18°49	3° 0	19°12	10°35	11°30	18°36	3°22	15°13	9° 7	10°50	13°26	n.a.	S 21
S 22	17 42 56	25° 1'40	1♌ 6	20°11	4°10	19°51	10°42	11°30	18°39	3°24	15°12	9° 5	10°47	13°32	n.a.	S 22
M23	17 46 52	25°58'55	12°54	21°32	5°19	20°29	10°49	11°30	18°43	3°26	15°11	9°D 5	10°44	13°39	n.a.	M23
T 24	17 50 49	26°56'11	24°49	22°50	6°29	21° 8	10°56	11°30	18°46	3°28	15°10	9° 6	10°41	13°46	n.a.	T 24
W25	17 54 45	27°53'27	6♍53	24° 5	7°38	21°47	11° 4	11°31	18°50	3°31	15° 9	9° 7	10°38	13°52	n.a.	W25
T 26	17 58 42	28°50'44	19°12	25°19	8°47	22°26	11°11	11°31	18°53	3°33	15° 8	9° 8	10°35	13°59	n.a.	T 26
F 27	18 2 38	29°48'01	1♎51	26°30	9°56	23° 4	11°19	11°32	18°57	3°35	15° 7	9°R 9	10°31	14° 6	n.a.	F 27
S 28	18 6 35	0♋45'19	14°53	27°39	11° 6	23°43	11°26	11°33	19° 0	3°37	15° 6	9° 8	10°28	14°12	n.a.	S 28
S 29	18 10 31	1°42'37	28°23	28°45	12°14	24°22	11°34	11°34	19° 4	3°40	15° 5	9° 5	10°25	14°19	n.a.	S 29
M30	18 14 28	2♋39'56	12♏21	29♋49	13♌23	25♊ 0	11♍42	11♎35	19♋ 8	3♋42	15♏ 4	9♒ 1	10♒22	14♋26	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n23	12s15	4s44	24n34	1n47	25n16	1n54	22n14	0n39	9n44	1n28	2s15	2n41	23n 6	0n33	23n14	0s27	6s57	10n12	17s42	17s26	25n52		n.a.
M 2	21 34	17 42	5 2	24 51	1 51	25 11	1 54	22 21	0 39	9 42	1 28	2 14	2 40	23 6	0 32	23 14	0 27	6 57	10 12	17 45	17 26	25 51		n.a.
T 3	21 43	22 20	5 1	25 6	1 53	25 5	1 55	22 28	0 40	9 41	1 28	2 14	2 40	23 5	0 32	23 14	0 27	6 57	10 12	17 47	17 27	25 49		n.a.
W 4	21 53	25 38	4 40	25 17	1 55	24 58	1 55	22 35	0 40	9 39	1 27	2 14	2 40	23 5	0 32	23 14	0 27	6 57	10 11	17 50	17 28	25 48		n.a.
T 5	22 2	27 11	4 0	25 26	1 56	24 51	1 55	22 42	0 41	9 37	1 27	2 13	2 40	23 4	0 32	23 14	0 27	6 56	10 11	17 52	17 29	25 47		n.a.
F 6	22 11	26 44	3 3	25 33	1 57	24 43	1 55	22 49	0 41	9 35	1 27	2 13	2 39	23 4	0 32	23 14	0 27	6 56	10 11	17 54	17 30	25 45		n.a.
S 7	22 19	24 20	1 54	25 37	1 57	24 34	1 54	22 55	0 42	9 33	1 27	2 13	2 39	23 3	0 32	23 14	0 27	6 56	10 11	17 55	17 31	25 44		n.a.
S 8	22 27	20 19	0 38	25 39	1 56	24 24	1 54	23 1	0 42	9 31	1 26	2 13	2 39	23 3	0 32	23 14	0 27	6 56	10 10	17 55	17 32	25 42		n.a.
M 9	22 35	15 10	0n39	25 38	1 55	24 14	1 54	23 7	0 43	9 28	1 26	2 12	2 39	23 3	0 32	23 14	0 27	6 56	10 10	17 55	17 33	25 41		n.a.
T 10	22 42	9 19	1 52	25 36	1 53	24 3	1 53	23 13	0 43	9 26	1 26	2 12	2 38	23 2	0 32	23 14	0 27	6 56	10 10	17 55	17 34	25 40		n.a.
W11	22 49	3 11	2 57	25 31	1 50	23 52	1 53	23 19	0 44	9 24	1 26	2 12	2 38	23 2	0 32	23 14	0 27	6 56	10 10	17 55	17 34	25 38		n.a.
T 12	22 55	2n56	3 50	25 25	1 47	23 39	1 52	23 24	0 44	9 22	1 25	2 12	2 38	23 1	0 32	23 14	0 27	6 55	10 9	17 55	17 35	25 37		n.a.
F 13	23 1	8 47	4 30	25 17	1 43	23 27	1 51	23 29	0 44	9 19	1 25	2 12	2 38	23 1	0 32	23 14	0 27	6 55	10 9	17 56	17 36	25 35		n.a.
S 14	23 7	14 9	4 55	25 7	1 39	23 13	1 50	23 34	0 45	9 17	1 25	2 12	2 37	23 0	0 32	23 14	0 27	6 55	10 9	17 57	17 37	25 34		n.a.
S 15	23 12	18 50	5 6	24 55	1 34	22 59	1 49	23 39	0 45	9 14	1 25	2 12	2 37	23 0	0 32	23 14	0 27	6 55	10 9	17 59	17 38	25 33		n.a.
M16	23 17	22 38	5 2	24 42	1 29	22 44	1 48	23 44	0 46	9 12	1 24	2 12	2 37	22 59	0 32	23 14	0 27	6 55	10 8	18 2	17 39	25 31		n.a.
T 17	23 22	25 22	4 44	24 28	1 23	22 29	1 47	23 48	0 46	9 9	1 24	2 12	2 37	22 59	0 32	23 14	0 27	6 55	10 8	18 4	17 40	25 30		n.a.
W18	23 26	26 55	4 14	24 12	1 17	22 13	1 46	23 53	0 47	9 6	1 24	2 12	2 36	22 58	0 32	23 14	0 27	6 55	10 8	18 6	17 41	25 28		n.a.
T 19	23 29	27 12	3 33	23 55	1 10	21 57	1 45	23 57	0 47	9 4	1 24	2 13	2 36	22 58	0 32	23 14	0 27	6 55	10 7	18 9	17 41	25 27		n.a.
F 20	23 33	26 12	2 42	23 37	1 3	21 40	1 43	24 1	0 47	9 1	1 24	2 13	2 36	22 57	0 32	23 14	0 27	6 55	10 7	18 10	17 42	25 25		n.a.
S 21	23 35	24 3	1 45	23 18	0 56	21 22	1 42	24 4	0 48	8 58	1 23	2 13	2 35	22 57	0 32	23 14	0 27	6 55	10 7	18 11	17 43	25 24		n.a.
S 22	23 38	20 51	0 43	22 58	0 48	21 4	1 40	24 8	0 48	8 55	1 23	2 13	2 35	22 56	0 32	23 14	0 27	6 55	10 6	18 12	17 44	25 22		n.a.
M23	23 40	16 48	0s21	22 38	0 39	20 45	1 38	24 11	0 49	8 52	1 23	2 14	2 35	22 56	0 32	23 14	0 27	6 55	10 6	18 12	17 45	25 21		n.a.
T 24	23 41	12 5	1 25	22 16	0 30	20 26	1 36	24 14	0 49	8 49	1 23	2 14	2 35	22 55	0 32	23 14	0 27	6 55	10 6	18 12	17 46	25 19		n.a.
W25	23 42	6 50	2 25	21 54	0 21	20 6	1 35	24 17	0 50	8 46	1 22	2 15	2 34	22 55	0 32	23 14	0 27	6 55	10 5	18 11	17 47	25 18		n.a.
T 26	23 43	1 15	3 21	21 31	0 12	19 46	1 33	24 20	0 50	8 43	1 22	2 15	2 34	22 54	0 32	23 13	0 27	6 55	10 5	18 11	17 48	25 16		n.a.
F 27	23 43	4s32	4 8	21 8	0 2	19 25	1 30	24 23	0 50	8 40	1 22	2 16	2 34	22 54	0 32	23 13	0 27	6 55	10 5	18 11	17 48	25 15		n.a.
S 28	23 43	10 17	4 44	20 45	0s 8	19 4	1 28	24 25	0 51	8 37	1 22	2 16	2 34	22 53	0 32	23 13	0 27	6 55	10 4	18 11	17 49	25 13		n.a.
S 29	23 43	15 47	5 6	20 21	0 19	18 42	1 26	24 27	0 51	8 34	1 21	2 17	2 33	22 53	0 32	23 13	0 27	6 55	10 4	18 12	17 50	25 12		n.a.
M30	23n42	20s39	5s11	19n57	0s29	18n20	1n24	24n29	0n52	8n30	1n21	2s17	2n33	22n52	0n32	23n13	0s27	6s55	10n 4	18s13	17s51	25n10		n.a.

Julian Day Number = 1639027.5, Delta T = 03h37m29s
Ecliptic obliquity = 23°43'27, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°11'02, Lahiri = - 7°04'01 Julian Calendar 1 June 226 BCE == Greg. Calendar 28 May 226 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

JULY 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 18 25	3♋37'16	26♏46	0♌50	14♌32	25♊39	11♍50	11♎36	19♋11	3♋44	15°R 3	8°R57	10♒19	14♋32	n.a.	T 1
W 2	18 22 21	4°34'37	11♐36	1°48	15°41	26°18	11°58	11°37	19°15	3°46	15♏ 2	8♒52	10°16	14°39	n.a.	W 2
T 3	18 26 18	5°31'59	26°42	2°43	16°49	26°56	12° 7	11°38	19°19	3°48	15° 1	8°47	10°12	14°46	n.a.	T 3
F 4	18 30 14	6°29'22	11♑56	3°35	17°58	27°35	12°15	11°39	19°22	3°51	15° 0	8°44	10° 9	14°52	n.a.	F 4
S 5	18 34 11	7°26'46	27° 7	4°24	19° 6	28°13	12°24	11°41	19°26	3°53	14°59	8°42	10° 6	14°59	n.a.	S 5
S 6	18 38 7	8°24'11	12♒ 6	5°10	20°14	28°52	12°32	11°42	19°29	3°55	14°58	8°D42	10° 3	15° 6	n.a.	S 6
M 7	18 42 4	9°21'37	26°46	5°52	21°22	29°30	12°41	11°44	19°33	3°57	14°58	8°42	10° 0	15°12	n.a.	M 7
T 8	18 46 1	10°19'04	11♓ 2	6°30	22°30	0♋ 9	12°50	11°45	19°37	4° 0	14°57	8°44	9°56	15°19	n.a.	T 8
W 9	18 49 57	11°16'33	24°52	7° 5	23°38	0°47	12°59	11°47	19°41	4° 2	14°56	8°45	9°53	15°26	n.a.	W 9
T 10	18 53 54	12°14'04	8♈18	7°35	24°46	1°26	13° 8	11°49	19°44	4° 4	14°56	8°R46	9°50	15°32	n.a.	T 10
F 11	18 57 50	13°11'36	21°21	8° 1	25°53	2° 4	13°17	11°51	19°48	4° 6	14°55	8°46	9°47	15°39	n.a.	F 11
S 12	19 1 47	14° 9'10	4♉ 4	8°22	27° 1	2°43	13°26	11°53	19°52	4° 8	14°54	8°44	9°44	15°46	n.a.	S 12
S 13	19 5 43	15° 6'45	16°31	8°39	28° 8	3°21	13°36	11°55	19°55	4°11	14°54	8°42	9°41	15°52	n.a.	S 13
M14	19 9 40	16° 4'22	28°44	8°51	29°15	4° 0	13°45	11°57	19°59	4°13	14°53	8°39	9°37	15°59	n.a.	M14
T 15	19 13 36	17° 2'00	10♊47	8°58	0♍22	4°38	13°55	12° 0	20° 3	4°15	14°53	8°35	9°34	16° 6	n.a.	T 15
W16	19 17 33	17°59'40	22°42	8°R59	1°29	5°16	14° 5	12° 2	20° 7	4°17	14°52	8°32	9°31	16°12	n.a.	W16
T 17	19 21 30	18°57'22	4♋33	8°55	2°36	5°55	14°14	12° 5	20°10	4°19	14°52	8°29	9°28	16°19	n.a.	T 17
F 18	19 25 26	19°55'05	16°21	8°45	3°43	6°33	14°24	12° 7	20°14	4°22	14°51	8°27	9°25	16°26	n.a.	F 18
S 19	19 29 23	20°52'50	28° 9	8°30	4°49	7°11	14°34	12°10	20°18	4°24	14°51	8°26	9°22	16°32	n.a.	S 19
S 20	19 33 19	21°50'36	9♌58	8° 9	5°56	7°50	14°44	12°13	20°21	4°26	14°50	8°D25	9°18	16°39	n.a.	S 20
M21	19 37 16	22°48'23	21°52	7°42	7° 2	8°28	14°54	12°16	20°25	4°28	14°50	8°26	9°15	16°46	n.a.	M21
T 22	19 41 12	23°46'12	3♍53	7°10	8° 8	9° 6	15° 5	12°19	20°29	4°30	14°50	8°27	9°12	16°52	n.a.	T 22
W23	19 45 9	24°44'02	16° 3	6°33	9°14	9°44	15°15	12°22	20°33	4°32	14°50	8°28	9° 9	16°59	n.a.	W23
T 24	19 49 5	25°41'53	28°26	5°51	10°19	10°23	15°25	12°25	20°36	4°34	14°49	8°29	9° 6	17° 6	n.a.	T 24
F 25	19 53 2	26°39'46	11♎ 6	5° 5	11°25	11° 1	15°36	12°28	20°40	4°37	14°49	8°30	9° 2	17°12	n.a.	F 25
S 26	19 56 58	27°37'40	24° 7	4°15	12°30	11°39	15°46	12°31	20°44	4°39	14°49	8°R30	8°59	17°19	n.a.	S 26
S 27	20 0 55	28°35'36	7♏30	3°22	13°35	12°17	15°57	12°35	20°47	4°41	14°49	8°30	8°56	17°25	n.a.	S 27
M28	20 4 52	29°33'33	21°19	2°28	14°40	12°56	16° 8	12°38	20°51	4°43	14°49	8°30	8°53	17°32	n.a.	M28
T 29	20 8 48	0♌31'31	5♐32	1°32	15°45	13°34	16°19	12°42	20°55	4°45	14°49	8°29	8°50	17°39	n.a.	T 29
W30	20 12 45	1°29'31	20°10	0°37	16°50	14°12	16°30	12°45	20°59	4°47	14°48	8°28	8°47	17°45	n.a.	W30
T 31	20 16 41	2♌27'33	5♑ 5	29♋44	17♍54	14♋50	16♍41	12♎49	21♋ 2	4♋49	14°D48	8♒28	8♒43	17♋52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n40	24s28	4s57	19n33	0s40	17n57	1n21	24n31	0n52	8n27	1n21	2s18	2n33	22n52	0n32	23n13	0s27	6s55	10n 3	18s14	17s52	25n 9			n.a.
W 2	23 39	26 47	4 23	19 9	0 52	17 34	1 18	24 33	0 52	8 24	1 21	2 19	2 32	22 51	0 32	23 13	0 27	6 55	10 3	18 15	17 53	25 7			n.a.
T 3	23 36	27 10	3 30	18 46	1 3	17 11	1 16	24 34	0 53	8 20	1 21	2 19	2 32	22 51	0 32	23 13	0 27	6 55	10 3	18 17	17 54	25 6			n.a.
F 4	23 34	25 32	2 21	18 22	1 15	16 47	1 13	24 35	0 53	8 17	1 20	2 20	2 32	22 50	0 32	23 13	0 27	6 55	10 2	18 18	17 55	25 4			n.a.
S 5	23 31	22 1	1 3	17 59	1 27	16 23	1 10	24 36	0 54	8 13	1 20	2 21	2 32	22 50	0 32	23 13	0 27	6 56	10 2	18 18	17 55	25 3			n.a.
S 6	23 27	17 4	0n19	17 36	1 39	15 58	1 7	24 37	0 54	8 10	1 20	2 22	2 31	22 49	0 32	23 13	0 27	6 56	10 2	18 18	17 56	25 1			n.a.
M 7	23 23	11 13	1 38	17 14	1 51	15 33	1 4	24 38	0 54	8 6	1 20	2 23	2 31	22 49	0 32	23 13	0 27	6 56	10 1	18 18	17 57	25 0			n.a.
T 8	23 19	4 56	2 48	16 53	2 3	15 8	1 1	24 38	0 55	8 3	1 20	2 24	2 31	22 48	0 32	23 13	0 27	6 56	10 1	18 18	17 58	24 58			n.a.
W 9	23 14	1n24	3 47	16 33	2 15	14 42	0 57	24 38	0 55	7 59	1 19	2 24	2 31	22 48	0 32	23 13	0 27	6 56	10 1	18 17	17 59	24 56			n.a.
T 10	23 9	7 28	4 31	16 13	2 28	14 16	0 54	24 39	0 56	7 55	1 19	2 25	2 30	22 47	0 32	23 13	0 27	6 56	10 0	18 17	18 0	24 55			n.a.
F 11	23 4	13 3	5 0	15 55	2 40	13 50	0 51	24 38	0 56	7 52	1 19	2 26	2 30	22 47	0 32	23 13	0 27	6 56	10 0	18 17	18 1	24 53			n.a.
S 12	22 58	17 56	5 13	15 37	2 52	13 23	0 47	24 38	0 56	7 48	1 19	2 28	2 30	22 46	0 32	23 13	0 27	6 57	9 59	18 17	18 1	24 52			n.a.
S 13	22 51	21 56	5 12	15 21	3 4	12 56	0 43	24 38	0 57	7 44	1 19	2 29	2 30	22 46	0 32	23 13	0 27	6 57	9 59	18 18	18 2	24 50			n.a.
M14	22 45	24 55	4 55	15 7	3 15	12 29	0 40	24 37	0 57	7 40	1 18	2 30	2 29	22 45	0 32	23 12	0 27	6 57	9 59	18 19	18 3	24 48			n.a.
T 15	22 37	26 43	4 27	14 55	3 27	12 2	0 36	24 36	0 57	7 36	1 18	2 31	2 29	22 44	0 32	23 12	0 27	6 57	9 58	18 20	18 4	24 47			n.a.
W16	22 30	27 17	3 46	14 44	3 37	11 34	0 32	24 35	0 58	7 32	1 18	2 32	2 29	22 44	0 32	23 12	0 27	6 58	9 58	18 21	18 5	24 45			n.a.
T 17	22 22	26 35	2 56	14 35	3 48	11 6	0 28	24 34	0 58	7 28	1 18	2 33	2 28	22 43	0 32	23 12	0 27	6 58	9 57	18 21	18 6	24 44			n.a.
F 18	22 14	24 41	1 59	14 28	3 57	10 38	0 24	24 32	0 59	7 24	1 18	2 35	2 28	22 43	0 32	23 12	0 27	6 58	9 57	18 22	18 7	24 42			n.a.
S 19	22 5	21 42	0 57	14 24	4 6	10 10	0 20	24 30	0 59	7 20	1 18	2 36	2 28	22 42	0 32	23 12	0 27	6 58	9 57	18 22	18 7	24 40			n.a.
S 20	21 56	17 49	0s 9	14 21	4 14	9 41	0 15	24 29	0 59	7 16	1 17	2 37	2 28	22 42	0 32	23 12	0 27	6 59	9 56	18 22	18 8	24 39			n.a.
M21	21 46	13 13	1 14	14 22	4 21	9 12	0 11	24 27	1 0	7 12	1 17	2 39	2 27	22 41	0 32	23 12	0 27	6 59	9 56	18 22	18 9	24 37			n.a.
T 22	21 36	8 5	2 16	14 24	4 26	8 43	0 6	24 24	1 0	7 8	1 17	2 40	2 27	22 41	0 32	23 12	0 27	6 59	9 55	18 22	18 10	24 35			n.a.
W23	21 26	2 36	3 14	14 30	4 30	8 14	0 2	24 22	1 0	7 4	1 17	2 41	2 27	22 40	0 32	23 12	0 27	7 0	9 55	18 22	18 11	24 34			n.a.
T 24	21 15	3s 5	4 3	14 38	4 33	7 45	0s 3	24 19	1 1	6 59	1 17	2 43	2 27	22 39	0 32	23 12	0 27	7 0	9 55	18 21	18 12	24 32			n.a.
F 25	21 4	8 45	4 42	14 48	4 34	7 15	0 7	24 17	1 1	6 55	1 17	2 44	2 26	22 39	0 32	23 12	0 27	7 0	9 54	18 21	18 13	24 30			n.a.
S 26	20 53	14 13	5 7	15 0	4 33	6 46	0 12	24 14	1 1	6 51	1 16	2 46	2 26	22 38	0 32	23 12	0 27	7 1	9 54	18 21	18 13	24 29			n.a.
S 27	20 41	19 10	5 17	15 15	4 30	6 16	0 17	24 10	1 2	6 46	1 16	2 47	2 26	22 38	0 32	23 12	0 27	7 1	9 53	18 21	18 14	24 27			n.a.
M28	20 29	23 16	5 9	15 32	4 25	5 46	0 22	24 7	1 2	6 42	1 16	2 49	2 26	22 37	0 32	23 12	0 27	7 1	9 53	18 21	18 15	24 25			n.a.
T 29	20 17	26 7	4 43	15 51	4 19	5 16	0 27	24 4	1 2	6 38	1 16	2 51	2 25	22 37	0 32	23 12	0 27	7 2	9 53	18 21	18 16	24 23			n.a.
W30	20 4	27 18	3 57	16 11	4 10	4 46	0 32	24 0	1 3	6 33	1 16	2 52	2 25	22 36	0 32	23 11	0 27	7 2	9 52	18 22	18 17	24 22			n.a.
T 31	19n51	26s32	2s55	16n33	4s 0	4n16	0s37	23n56	1n 3	6n29	1n16	2s54	2n25	22n35	0n32	23n11	0s27	7s 2	9n52	18s22	18s18	24n20			n.a.

Julian Day Number = 1639057.5, Delta T = 03h37m28s
Ecliptic obliquity = 23°43'27, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'58, Lahiri = - 7°03'57 Julian Calendar 1 July 226 BCE == Greg. Calendar 27 June 226 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

AUGUST 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 20 38	3♌25'36	20♉13	28°R53	18♍58	15♋28	16♍52	12♎53	21♋ 6	4♋51	14♏48	8°R27	8♒40	17♋59	n.a.	F 1
S 2	20 24 34	4°23'41	5♒22	28♋ 6	20° 2	16° 6	17° 3	12°57	21°10	4°53	14°48	8°D27	8°37	18° 5	n.a.	S 2
S 3	20 28 31	5°21'48	20°26	27°24	21° 6	16°44	17°14	13° 1	21°13	4°55	14°49	8♒27	8°34	18°12	n.a.	S 3
M 4	20 32 28	6°19'56	5♓14	26°47	22° 9	17°22	17°25	13° 5	21°17	4°57	14°49	8°27	8°31	18°19	n.a.	M 4
T 5	20 36 24	7°18'06	19°40	26°18	23°12	18° 0	17°37	13° 9	21°20	4°59	14°49	8°27	8°27	18°25	n.a.	T 5
W 6	20 40 21	8°16'19	3♈41	25°56	24°15	18°38	17°48	13°13	21°24	5° 1	14°49	8°R27	8°24	18°32	n.a.	W 6
T 7	20 44 17	9°14'33	17°15	25°42	25°18	19°16	17°59	13°17	21°28	5° 3	14°49	8°27	8°21	18°39	n.a.	T 7
F 8	20 48 14	10°12'50	0♉23	25°D37	26°20	19°54	18°11	13°21	21°31	5° 5	14°49	8°27	8°18	18°45	n.a.	F 8
S 9	20 52 10	11°11'09	13° 8	25°40	27°22	20°32	18°23	13°26	21°35	5° 6	14°50	8°D27	8°15	18°52	n.a.	S 9
S 10	20 56 7	12° 9'30	25°32	25°53	28°24	21°10	18°34	13°30	21°38	5° 8	14°50	8°27	8°12	18°59	n.a.	S 10
M11	21 0 3	13° 7'54	7♊42	26°14	29°26	21°48	18°46	13°35	21°42	5°10	14°50	8°28	8° 8	19° 5	n.a.	M11
T 12	21 4 0	14° 6'19	19°40	26°45	0♎27	22°26	18°58	13°39	21°45	5°12	14°51	8°28	8° 5	19°12	n.a.	T 12
W13	21 7 56	15° 4'47	1♋31	27°24	1°28	23° 4	19°10	13°44	21°49	5°14	14°51	8°29	8° 2	19°19	n.a.	W13
T 14	21 11 53	16° 3'17	13°19	28°11	2°28	23°42	19°21	13°49	21°53	5°16	14°52	8°30	7°59	19°25	n.a.	T 14
F 15	21 15 50	17° 1'50	25° 7	29° 6	3°29	24°20	19°33	13°54	21°56	5°17	14°52	8°30	7°56	19°32	n.a.	F 15
S 16	21 19 46	18° 0'24	6♌57	0♌ 8	4°29	24°58	19°45	13°58	21°59	5°19	14°52	8°R30	7°53	19°39	n.a.	S 16
S 17	21 23 43	18°59'00	18°53	1°18	5°28	25°36	19°58	14° 3	22° 3	5°21	14°53	8°30	7°49	19°45	n.a.	S 17
M18	21 27 39	19°57'38	0♍56	2°33	6°28	26°14	20°10	14° 8	22° 6	5°23	14°54	8°30	7°46	19°52	n.a.	M18
T 19	21 31 36	20°56'19	13° 9	3°55	7°27	26°52	20°22	14°13	22°10	5°24	14°54	8°28	7°43	19°59	n.a.	T 19
W20	21 35 32	21°55'01	25°32	5°21	8°25	27°30	20°34	14°19	22°13	5°26	14°55	8°26	7°40	20° 5	n.a.	W20
T 21	21 39 29	22°53'45	8♎ 8	6°52	9°23	28° 8	20°46	14°24	22°16	5°28	14°55	8°24	7°37	20°12	n.a.	T 21
F 22	21 43 25	23°52'31	20°58	8°27	10°21	28°46	20°59	14°29	22°20	5°29	14°56	8°22	7°33	20°19	n.a.	F 22
S 23	21 47 22	24°51'19	4♏ 3	10° 5	11°18	29°23	21°11	14°34	22°23	5°31	14°57	8°21	7°30	20°25	n.a.	S 23
S 24	21 51 19	25°50'09	17°26	11°46	12°15	0♌ 1	21°23	14°40	22°26	5°32	14°58	8°20	7°27	20°32	n.a.	S 24
M25	21 55 15	26°49'00	1♐ 8	13°29	13°11	0°39	21°36	14°45	22°30	5°34	14°58	8°D20	7°24	20°38	n.a.	M25
T 26	21 59 12	27°47'54	15° 9	15°14	14° 7	1°17	21°48	14°51	22°33	5°36	14°59	8°20	7°21	20°45	n.a.	T 26
W27	22 3 8	28°46'49	29°28	17° 0	15° 3	1°55	22° 1	14°56	22°36	5°37	15° 0	8°21	7°18	20°52	n.a.	W27
T 28	22 7 5	29°45'46	14♑ 3	18°48	15°58	2°32	22°13	15° 2	22°39	5°38	15° 1	8°23	7°14	20°58	n.a.	T 28
F 29	22 11 1	0♍44'45	28°50	20°36	16°52	3°10	22°26	15° 8	22°42	5°40	15° 2	8°24	7°11	21° 5	n.a.	F 29
S 30	22 14 58	1°43'46	13♒44	22°25	17°46	3°48	22°39	15°13	22°45	5°41	15° 3	8°R24	7° 8	21°12	n.a.	S 30
S 31	22 18 54	2♍42'49	28♒36	24♌14	18♎39	4♌26	22♍51	15♎19	22♋48	5♋43	15♏ 4	8♒23	7♒ 5	21♋18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	19n37	23 s50	1 s40	16n55	3 s48	3n46	0 s42	23n52	1n 4	6n24	1n16	2 s56	2n25	22n35	0n32	23n11	0 s27	7 s 3	9n51	18 s22	18 s18	24n18		n.a.	F 1
S 2	19 23	19 26	0 17	17 18	3 34	3 16	0 48	23 48	1 4	6 20	1 15	2 57	2 25	22 34	0 33	23 11	0 27	7 3	9 51	18 22	18 19	24 17		n.a.	S 2
S 3	19 9	13 48	1n 6	17 41	3 19	2 46	0 53	23 43	1 4	6 15	1 15	2 59	2 24	22 34	0 33	23 11	0 27	7 4	9 50	18 22	18 20	24 15		n.a.	S 3
M 4	18 55	7 29	2 23	18 4	3 3	2 15	0 58	23 39	1 5	6 11	1 15	3 1	2 24	22 33	0 33	23 11	0 27	7 4	9 50	18 22	18 21	24 13		n.a.	M 4
T 5	18 40	0 56	3 30	18 26	2 45	1 45	1 4	23 34	1 5	6 6	1 15	3 3	2 24	22 33	0 33	23 11	0 27	7 4	9 50	18 22	18 22	24 11		n.a.	T 5
W 6	18 25	5n28	4 21	18 48	2 27	1 15	1 9	23 29	1 5	6 1	1 15	3 5	2 24	22 32	0 33	23 11	0 27	7 5	9 49	18 22	18 23	24 10		n.a.	W 6
T 7	18 9	11 24	4 56	19 8	2 9	0 45	1 15	23 24	1 6	5 57	1 15	3 6	2 23	22 32	0 33	23 11	0 27	7 5	9 49	18 22	18 24	24 8		n.a.	T 7
F 8	17 54	16 38	5 15	19 28	1 51	0 14	1 21	23 19	1 6	5 52	1 15	3 8	2 23	22 31	0 33	23 11	0 27	7 6	9 48	18 22	18 24	24 6		n.a.	F 8
S 9	17 38	20 59	5 17	19 45	1 32	0 s16	1 26	23 13	1 6	5 47	1 14	3 10	2 23	22 30	0 33	23 11	0 27	7 6	9 48	18 22	18 25	24 4		n.a.	S 9
S 10	17 21	24 17	5 4	20 1	1 14	0 46	1 32	23 8	1 7	5 43	1 14	3 12	2 23	22 30	0 33	23 11	0 27	7 7	9 47	18 22	18 26	24 3		n.a.	S 10
M11	17 4	26 25	4 37	20 14	0 56	1 16	1 38	23 2	1 7	5 38	1 14	3 14	2 23	22 29	0 33	23 11	0 27	7 7	9 47	18 22	18 27	24 1		n.a.	M11
T 12	16 48	27 18	3 59	20 26	0 38	1 46	1 44	22 56	1 7	5 33	1 14	3 16	2 22	22 29	0 33	23 11	0 27	7 8	9 47	18 22	18 28	23 59		n.a.	T 12
W13	16 30	26 54	3 11	20 35	0 22	2 16	1 50	22 50	1 7	5 28	1 14	3 18	2 22	22 28	0 33	23 10	0 27	7 8	9 46	18 21	18 29	23 57		n.a.	W13
T 14	16 13	25 18	2 15	20 41	0 6	2 46	1 56	22 44	1 8	5 23	1 14	3 20	2 22	22 28	0 33	23 10	0 27	7 9	9 46	18 21	18 29	23 55		n.a.	T 14
F 15	15 55	22 34	1 14	20 44	0n 9	3 16	2 2	22 37	1 8	5 19	1 14	3 22	2 22	22 27	0 33	23 10	0 27	7 9	9 45	18 21	18 30	23 54		n.a.	F 15
S 16	15 37	18 54	0 9	20 45	0 24	3 45	2 8	22 31	1 8	5 14	1 14	3 24	2 22	22 27	0 33	23 10	0 27	7 10	9 45	18 21	18 31	23 52		n.a.	S 16
S 17	15 19	14 26	0 s57	20 42	0 37	4 15	2 14	22 24	1 9	5 9	1 14	3 26	2 21	22 26	0 33	23 10	0 27	7 11	9 45	18 21	18 32	23 50		n.a.	S 17
M18	15 0	9 23	2 1	20 37	0 49	4 44	2 20	22 17	1 9	5 4	1 13	3 29	2 21	22 26	0 33	23 10	0 27	7 11	9 44	18 21	18 33	23 48		n.a.	M18
T 19	14 41	3 55	3 0	20 28	1 0	5 13	2 26	22 10	1 9	4 59	1 13	3 31	2 21	22 25	0 33	23 10	0 27	7 12	9 44	18 22	18 33	23 46		n.a.	T 19
W20	14 22	1 s45	3 52	20 17	1 9	5 42	2 32	22 3	1 10	4 54	1 13	3 33	2 21	22 24	0 33	23 10	0 27	7 12	9 43	18 22	18 34	23 44		n.a.	W20
T 21	14 3	7 26	4 33	20 2	1 18	6 11	2 39	21 55	1 10	4 49	1 13	3 35	2 21	22 24	0 33	23 10	0 27	7 13	9 43	18 23	18 35	23 43		n.a.	T 21
F 22	13 43	12 55	5 2	19 45	1 26	6 40	2 45	21 48	1 10	4 44	1 13	3 37	2 20	22 23	0 33	23 10	0 27	7 13	9 42	18 23	18 36	23 41		n.a.	F 22
S 23	13 23	17 57	5 15	19 25	1 32	7 8	2 51	21 40	1 11	4 39	1 13	3 40	2 20	22 23	0 33	23 10	0 27	7 14	9 42	18 24	18 37	23 39		n.a.	S 23
S 24	13 3	22 13	5 12	19 2	1 38	7 37	2 57	21 32	1 11	4 34	1 13	3 42	2 20	22 22	0 33	23 10	0 27	7 15	9 42	18 24	18 38	23 37		n.a.	S 24
M25	12 43	25 23	4 51	18 36	1 42	8 5	3 4	21 24	1 11	4 29	1 13	3 44	2 20	22 22	0 33	23 10	0 27	7 15	9 41	18 24	18 38	23 35		n.a.	M25
T 26	12 23	27 5	4 13	18 9	1 46	8 33	3 10	21 16	1 11	4 24	1 13	3 46	2 20	22 21	0 33	23 10	0 27	7 16	9 41	18 24	18 39	23 33		n.a.	T 26
W27	12 2	27 2	3 19	17 39	1 49	9 0	3 16	21 8	1 12	4 19	1 13	3 49	2 19	22 21	0 33	23 10	0 27	7 16	9 40	18 23	18 40	23 31		n.a.	W27
T 28	11 41	25 8	2 10	17 7	1 51	9 27	3 22	21 0	1 12	4 14	1 13	3 51	2 19	22 20	0 33	23 9	0 27	7 17	9 40	18 23	18 41	23 30		n.a.	T 28
F 29	11 20	21 30	0 53	16 33	1 52	9 54	3 29	20 51	1 12	4 9	1 12	3 53	2 19	22 20	0 33	23 9	0 27	7 18	9 40	18 23	18 42	23 28		n.a.	F 29
S 30	10 59	16 26	0n29	15 58	1 52	10 21	3 35	20 42	1 13	4 3	1 12	3 56	2 19	22 19	0 33	23 9	0 27	7 18	9 39	18 23	18 42	23 26		n.a.	S 30
S 31	10n38	10 s24	1n49	15n21	1n52	10 s48	3 s41	20n34	1n13	3n58	1n12	3 s58	2n19	22n19	0n33	23n 9	0 s27	7 s19	9n39	18 s23	18 s43	23n24		n.a.	S 31

Julian Day Number = 1639088.5, Delta T = 03h37m27s
Ecliptic obliquity = 23°43'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'54, Lahiri = - 7°03'53 Julian Calendar 1 Aug. 226 BCE == Greg. Calendar 28 July 226 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

SEPTEMBER 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 22 51	3♍41'54	13♓19	26♌ 2	19♎31	5♌ 3	23♍ 4	15♎25	22♋51	5♋44	15♏ 5	8°R21	7♒ 2	21♋25	n.a.	M 1
T 2	22 26 48	4°41'01	27°45	27°51	20°23	5°41	23°17	15°31	22°55	5°45	15° 6	8♒17	6°59	21°32	n.a.	T 2
W 3	22 30 44	5°40'10	11♈50	29°40	21°14	6°19	23°30	15°37	22°57	5°47	15° 7	8°13	6°55	21°38	n.a.	W 3
T 4	22 34 41	6°39'22	25°29	1♍28	22° 5	6°57	23°42	15°43	23° 0	5°48	15° 8	8° 9	6°52	21°45	n.a.	T 4
F 5	22 38 37	7°38'36	8♉42	3°16	22°55	7°34	23°55	15°49	23° 3	5°49	15° 9	8° 5	6°49	21°52	n.a.	F 5
S 6	22 42 34	8°37'53	21°31	5° 3	23°44	8°12	24° 8	15°55	23° 6	5°51	15°10	8° 3	6°46	21°58	n.a.	S 6
S 7	22 46 30	9°37'12	3♊58	6°49	24°32	8°50	24°21	16° 1	23° 9	5°52	15°12	8° 1	6°43	22° 5	n.a.	S 7
M 8	22 50 27	10°36'33	16° 8	8°35	25°20	9°27	24°34	16° 7	23°12	5°53	15°13	8°D 1	6°39	22°12	n.a.	M 8
T 9	22 54 23	11°35'57	28° 5	10°20	26° 7	10° 5	24°47	16°13	23°15	5°54	15°14	8° 2	6°36	22°18	n.a.	T 9
W10	22 58 20	12°35'24	9♋55	12° 5	26°53	10°43	25° 0	16°19	23°17	5°55	15°15	8° 4	6°33	22°25	n.a.	W10
T 11	23 2 17	13°34'52	21°43	13°48	27°38	11°20	25°13	16°26	23°20	5°56	15°17	8° 6	6°30	22°32	n.a.	T 11
F 12	23 6 13	14°34'23	3♌32	15°32	28°22	11°58	25°26	16°32	23°23	5°57	15°18	8°R 7	6°27	22°38	n.a.	F 12
S 13	23 10 10	15°33'57	15°27	17°14	29° 5	12°36	25°39	16°38	23°26	5°58	15°19	8° 7	6°24	22°45	n.a.	S 13
S 14	23 14 6	16°33'32	27°31	18°55	29°47	13°13	25°52	16°45	23°28	5°59	15°21	8° 5	6°20	22°51	n.a.	S 14
M15	23 18 3	17°33'10	9♍47	20°36	0♏29	13°51	26° 5	16°51	23°31	6° 0	15°22	8° 1	6°17	22°58	n.a.	M15
T 16	23 21 59	18°32'50	22°16	22°17	1° 9	14°28	26°18	16°58	23°33	6° 1	15°24	7°55	6°14	23° 5	n.a.	T 16
W17	23 25 56	19°32'32	4♎58	23°56	1°48	15° 6	26°31	17° 4	23°36	6° 2	15°25	7°48	6°11	23°11	n.a.	W17
T 18	23 29 52	20°32'16	17°54	25°35	2°26	15°43	26°44	17°11	23°38	6° 3	15°27	7°41	6° 8	23°18	n.a.	T 18
F 19	23 33 49	21°32'02	1♏ 3	27°13	3° 2	16°21	26°58	17°17	23°40	6° 4	15°28	7°33	6° 5	23°25	n.a.	F 19
S 20	23 37 45	22°31'49	14°24	28°51	3°38	16°59	27°11	17°24	23°43	6° 5	15°30	7°27	6° 1	23°31	n.a.	S 20
S 21	23 41 42	23°31'39	27°57	0♎28	4°12	17°36	27°24	17°31	23°45	6° 6	15°31	7°22	5°58	23°38	n.a.	S 21
M22	23 45 39	24°31'31	11♐42	2° 4	4°44	18°14	27°37	17°37	23°47	6° 6	15°33	7°19	5°55	23°45	n.a.	M22
T 23	23 49 35	25°31'24	25°37	3°40	5°15	18°51	27°50	17°44	23°50	6° 7	15°34	7°D18	5°52	23°51	n.a.	T 23
W24	23 53 32	26°31'19	9♑43	5°15	5°45	19°29	28° 3	17°51	23°52	6° 8	15°36	7°19	5°49	23°58	n.a.	W24
T 25	23 57 28	27°31'16	23°58	6°50	6°13	20° 6	28°17	17°57	23°54	6° 8	15°38	7°20	5°45	24° 5	n.a.	T 25
F 26	0 1 25	28°31'15	8♒21	8°24	6°40	20°43	28°30	18° 4	23°56	6° 9	15°39	7°R20	5°42	24°11	n.a.	F 26
S 27	0 5 21	29°31'15	22°48	9°57	7° 5	21°21	28°43	18°11	23°58	6°10	15°41	7°19	5°39	24°18	n.a.	S 27
S 28	0 9 18	0♎31'17	7♓16	11°30	7°28	21°58	28°56	18°18	24° 0	6°10	15°43	7°16	5°36	24°25	n.a.	S 28
M29	0 13 14	1°31'21	21°39	13° 3	7°49	22°36	29° 9	18°25	24° 2	6°11	15°45	7°10	5°33	24°31	n.a.	M29
T 30	0 17 11	2♎31'27	5♈52	14♎35	8♏ 8	23♌13	29♍22	18♎32	24♋ 4	6♋11	15♏46	7♒ 2	5♒30	24♋38	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat		
M 1	10n16	3s52	3n 0	14n43	1n51	11s14	3s48	20n25	1n13	3n53	1n12	4s 1	2n19	22n18	0n33	23n 9	0s27	7s20	9n38	18s24	18s44	23n22		n.a.		M 1
T 2	9 54	2n44	3 59	14 4	1 49	11 39	3 54	20 16	1 14	3 48	1 12	4 3	2 18	22 18	0 33	23 9	0 27	7 20	9 38	18 25	18 45	23 20		n.a.		T 2
W 3	9 32	9 2	4 41	13 23	1 47	12 5	4 0	20 6	1 14	3 43	1 12	4 6	2 18	22 17	0 33	23 9	0 27	7 21	9 38	18 26	18 46	23 18		n.a.		W 3
T 4	9 10	14 42	5 6	12 42	1 44	12 30	4 6	19 57	1 14	3 38	1 12	4 8	2 18	22 17	0 33	23 9	0 27	7 22	9 37	18 27	18 47	23 16		n.a.		T 4
F 5	8 48	19 30	5 13	12 0	1 41	12 55	4 12	19 48	1 14	3 32	1 12	4 10	2 18	22 16	0 33	23 9	0 27	7 22	9 37	18 28	18 47	23 14		n.a.		F 5
S 6	8 26	23 15	5 5	11 17	1 38	13 19	4 19	19 38	1 15	3 27	1 12	4 13	2 18	22 16	0 33	23 9	0 27	7 23	9 36	18 28	18 48	23 12		n.a.		S 6
S 7	8 3	25 48	4 42	10 34	1 34	13 43	4 25	19 28	1 15	3 22	1 12	4 15	2 18	22 15	0 33	23 9	0 27	7 24	9 36	18 29	18 49	23 10		n.a.		S 7
M 8	7 41	27 5	4 7	9 50	1 30	14 6	4 31	19 18	1 15	3 17	1 12	4 18	2 18	22 15	0 33	23 9	0 27	7 25	9 36	18 29	18 50	23 9		n.a.		M 8
T 9	7 18	27 4	3 22	9 5	1 25	14 29	4 37	19 8	1 15	3 12	1 12	4 20	2 17	22 15	0 33	23 9	0 27	7 25	9 35	18 28	18 51	23 7		n.a.		T 9
W10	6 55	25 49	2 28	8 21	1 20	14 52	4 43	18 58	1 16	3 6	1 12	4 23	2 17	22 14	0 33	23 9	0 27	7 26	9 35	18 28	18 51	23 5		n.a.		W10
T 11	6 32	23 24	1 28	7 36	1 15	15 14	4 49	18 48	1 16	3 1	1 12	4 26	2 17	22 14	0 33	23 9	0 27	7 27	9 35	18 28	18 52	23 3		n.a.		T 11
F 12	6 9	20 0	0 25	6 51	1 10	15 35	4 54	18 38	1 16	2 56	1 12	4 28	2 17	22 13	0 33	23 9	0 27	7 27	9 34	18 27	18 53	23 1		n.a.		F 12
S 13	5 45	15 46	0s40	6 5	1 4	15 57	5 0	18 27	1 17	2 50	1 12	4 31	2 17	22 13	0 33	23 9	0 27	7 28	9 34	18 27	18 54	22 59		n.a.		S 13
S 14	5 22	10 51	1 44	5 20	0 59	16 17	5 6	18 16	1 17	2 45	1 11	4 33	2 17	22 12	0 33	23 9	0 27	7 29	9 34	18 28	18 55	22 57		n.a.		S 14
M15	4 58	5 28	2 44	4 34	0 53	16 37	5 11	18 6	1 17	2 40	1 11	4 36	2 17	22 12	0 34	23 8	0 27	7 30	9 33	18 29	18 55	22 55		n.a.		M15
T 16	4 35	0s12	3 37	3 49	0 47	16 57	5 17	17 55	1 17	2 35	1 11	4 39	2 17	22 12	0 34	23 8	0 27	7 30	9 33	18 30	18 56	22 53		n.a.		T 16
W17	4 11	5 58	4 20	3 3	0 40	17 16	5 22	17 44	1 18	2 29	1 11	4 41	2 16	22 11	0 34	23 8	0 27	7 31	9 32	18 32	18 57	22 51		n.a.		W17
T 18	3 48	11 34	4 51	2 18	0 34	17 34	5 27	17 33	1 18	2 24	1 11	4 44	2 16	22 11	0 34	23 8	0 27	7 32	9 32	18 34	18 58	22 49		n.a.		T 18
F 19	3 24	16 45	5 7	1 32	0 28	17 52	5 32	17 22	1 18	2 19	1 11	4 46	2 16	22 10	0 34	23 8	0 27	7 33	9 32	18 36	18 59	22 47		n.a.		F 19
S 20	3 0	21 13	5 6	0 47	0 21	18 9	5 37	17 11	1 18	2 13	1 11	4 49	2 16	22 10	0 34	23 8	0 27	7 33	9 31	18 38	18 59	22 45		n.a.		S 20
S 21	2 36	24 38	4 49	0 2	0 14	18 25	5 42	16 59	1 19	2 8	1 11	4 52	2 16	22 10	0 34	23 8	0 27	7 34	9 31	18 39	19 0	22 43		n.a.		S 21
M22	2 12	26 40	4 15	0s43	0 8	18 41	5 47	16 48	1 19	2 3	1 11	4 54	2 16	22 9	0 34	23 8	0 27	7 35	9 31	18 40	19 1	22 41		n.a.		M22
T 23	1 48	27 5	3 26	1 27	0 1	18 56	5 51	16 36	1 19	1 57	1 11	4 57	2 16	22 9	0 34	23 8	0 27	7 36	9 30	18 40	19 2	22 39		n.a.		T 23
W24	1 24	25 45	2 23	2 12	0s 6	19 10	5 56	16 25	1 19	1 52	1 11	5 0	2 16	22 9	0 34	23 8	0 27	7 37	9 30	18 40	19 3	22 37		n.a.		W24
T 25	1 0	22 45	1 12	2 56	0 12	19 24	6 0	16 13	1 20	1 47	1 11	5 2	2 16	22 8	0 34	23 8	0 27	7 37	9 30	18 39	19 3	22 35		n.a.		T 25
F 26	0 36	18 18	0n 5	3 39	0 19	19 36	6 3	16 1	1 20	1 41	1 11	5 5	2 16	22 8	0 34	23 8	0 27	7 38	9 29	18 39	19 4	22 33		n.a.		F 26
S 27	0 12	12 47	1 22	4 23	0 26	19 48	6 7	15 49	1 20	1 36	1 11	5 8	2 15	22 8	0 34	23 8	0 27	7 39	9 29	18 40	19 5	22 31		n.a.		S 27
S 28	0s13	6 34	2 34	5 6	0 32	19 59	6 10	15 37	1 20	1 31	1 11	5 10	2 15	22 7	0 34	23 8	0 27	7 40	9 29	18 40	19 6	22 29		n.a.		S 28
M29	0 37	0 4	3 35	5 49	0 39	20 9	6 14	15 25	1 21	1 26	1 11	5 13	2 15	22 7	0 34	23 8	0 27	7 40	9 28	18 42	19 7	22 27		n.a.		M29
T 30	1s 1	6n21	4n22	6s31	0s46	20s18	6s16	15n13	1n21	1n20	1n11	5s16	2n15	22n 7	0n34	23n 8	0s27	7s41	9n28	18s44	19s 7	22n25		n.a.		T 30

Julian Day Number = 1639119.5, Delta T = 03h37m26s
Ecliptic obliquity = 23°43'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'49, Lahiri = - 7°03'49 Julian Calendar 1 Sept. 226 BCE == Greg. Calendar 28 Aug. 226 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

OCTOBER 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 21 8	3♎31'34	19♈48	16♎ 6	8♏26	23♌51	29♍36	18♎38	24♋ 6	6♋12	15♏48	6°R53	5♒26	24♋44	n.a.	W 1
T 2	0 25 4	4°31'44	3♉23	17°37	8°41	24°28	29°49	18°45	24° 8	6°12	15°50	6♒43	5°23	24°51	n.a.	T 2
F 3	0 29 1	5°31'56	16°36	19° 8	8°55	25° 5	0♎ 2	18°52	24° 9	6°12	15°52	6°33	5°20	24°58	n.a.	F 3
S 4	0 32 57	6°32'10	29°26	20°38	9° 6	25°43	0°15	18°59	24°11	6°13	15°54	6°26	5°17	25° 4	n.a.	S 4
S 5	0 36 54	7°32'26	11♊55	22° 8	9°15	26°20	0°28	19° 6	24°13	6°13	15°56	6°20	5°14	25°11	n.a.	S 5
M 6	0 40 50	8°32'44	24° 6	23°37	9°22	26°57	0°41	19°13	24°14	6°13	15°58	6°17	5°10	25°18	n.a.	M 6
T 7	0 44 47	9°33'04	6♋ 4	25° 6	9°26	27°35	0°54	19°20	24°16	6°13	16° 0	6°D15	5° 7	25°24	n.a.	T 7
W 8	0 48 43	10°33'27	17°54	26°34	9°R29	28°12	1° 8	19°27	24°17	6°14	16° 1	6°15	5° 4	25°31	n.a.	W 8
T 9	0 52 40	11°33'51	29°41	28° 1	9°29	28°49	1°21	19°34	24°19	6°14	16° 3	6°16	5° 1	25°38	n.a.	T 9
F 10	0 56 37	12°34'18	11♌32	29°29	9°26	29°27	1°34	19°41	24°20	6°14	16° 5	6°R16	4°58	25°44	n.a.	F 10
S 11	1 0 33	13°34'46	23°30	0♏55	9°21	0♍ 4	1°47	19°48	24°22	6°14	16° 7	6°14	4°55	25°51	n.a.	S 11
S 12	1 4 30	14°35'16	5♍41	2°21	9°14	0°41	2° 0	19°55	24°23	6°14	16° 9	6°11	4°51	25°58	n.a.	S 12
M13	1 8 26	15°35'48	18° 8	3°46	9° 5	1°18	2°13	20° 2	24°24	6°R14	16°11	6° 4	4°48	26° 4	n.a.	M13
T 14	1 12 23	16°36'22	0♎52	5°11	8°52	1°56	2°26	20° 9	24°25	6°14	16°14	5°55	4°45	26°11	n.a.	T 14
W15	1 16 19	17°36'58	13°54	6°34	8°38	2°33	2°39	20°17	24°26	6°14	16°16	5°43	4°42	26°18	n.a.	W15
T 16	1 20 16	18°37'35	27°14	7°57	8°21	3°10	2°52	20°24	24°27	6°14	16°18	5°31	4°39	26°24	n.a.	T 16
F 17	1 24 12	19°38'14	10♏49	9°19	8° 2	3°47	3° 5	20°31	24°29	6°14	16°20	5°18	4°36	26°31	n.a.	F 17
S 18	1 28 9	20°38'55	24°35	10°40	7°40	4°24	3°18	20°38	24°29	6°14	16°22	5° 7	4°32	26°37	n.a.	S 18
S 19	1 32 5	21°39'37	8♐30	11°59	7°17	5° 1	3°31	20°45	24°30	6°14	16°24	4°59	4°29	26°44	n.a.	S 19
M20	1 36 2	22°40'20	22°30	13°18	6°51	5°38	3°43	20°52	24°31	6°13	16°26	4°53	4°26	26°51	n.a.	M20
T 21	1 39 59	23°41'04	6♑33	14°34	6°23	6°16	3°56	20°59	24°32	6°13	16°28	4°50	4°23	26°57	n.a.	T 21
W22	1 43 55	24°41'50	20°37	15°49	5°54	6°53	4° 9	21° 6	24°33	6°13	16°30	4°D49	4°20	27° 4	n.a.	W22
T 23	1 47 52	25°42'37	4♒42	17° 2	5°23	7°30	4°22	21°13	24°34	6°13	16°33	4°R49	4°16	27°11	n.a.	T 23
F 24	1 51 48	26°43'25	18°47	18°13	4°50	8° 7	4°34	21°20	24°34	6°12	16°35	4°48	4°13	27°17	n.a.	F 24
S 25	1 55 45	27°44'13	2♓50	19°21	4°16	8°44	4°47	21°27	24°35	6°12	16°37	4°46	4°10	27°24	n.a.	S 25
S 26	1 59 41	28°45'03	16°52	20°27	3°41	9°21	5° 0	21°34	24°35	6°12	16°39	4°41	4° 7	27°31	n.a.	S 26
M27	2 3 38	29°45'54	0♈47	21°29	3° 6	9°58	5°12	21°41	24°36	6°11	16°41	4°33	4° 4	27°37	n.a.	M27
T 28	2 7 34	0♏46'46	14°35	22°27	2°30	10°35	5°25	21°48	24°36	6°11	16°44	4°22	4° 1	27°44	n.a.	T 28
W29	2 11 31	1°47'40	28°10	23°21	1°53	11°12	5°37	21°55	24°37	6°10	16°46	4°10	3°57	27°51	n.a.	W29
T 30	2 15 28	2°48'34	11♑30	24°10	1°17	11°49	5°50	22° 2	24°37	6°10	16°48	3°56	3°54	27°57	n.a.	T 30
F 31	2 19 24	3♏49'30	24♑33	24♏53	0♏40	12♍25	6♎ 2	22♎ 9	24♋37	6♋ 9	16♏50	3♒43	3♒51	28♋ 4	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	1s25	12n19	4n52	7s13	0s52	20s26	6s19	15n 0	1n21	1n15	1n11	5s19	2n15	22n 6	0n34	23n 8	0s27	7s42	9n28	18s46	19s 8	22n22			n.a.
T 2	1 49	17 33	5 4	7 54	0 59	20 34	6 21	14 48	1 21	1 10	1 11	5 21	2 15	22 6	0 34	23 8	0 27	7 43	9 28	18 49	19 9	22 20			n.a.
F 3	2 13	21 47	5 0	8 35	1 5	20 40	6 23	14 35	1 22	1 4	1 11	5 24	2 15	22 6	0 34	23 8	0 27	7 44	9 27	18 51	19 10	22 18			n.a.
S 4	2 37	24 50	4 41	9 15	1 12	20 45	6 24	14 23	1 22	0 59	1 11	5 27	2 15	22 6	0 34	23 8	0 27	7 44	9 27	18 53	19 10	22 16			n.a.
S 5	3 2	26 35	4 9	9 55	1 18	20 49	6 25	14 10	1 22	0 54	1 11	5 29	2 15	22 5	0 34	23 8	0 27	7 45	9 27	18 55	19 11	22 14			n.a.
M 6	3 26	27 1	3 26	10 34	1 24	20 52	6 26	13 58	1 22	0 48	1 11	5 32	2 15	22 5	0 34	23 8	0 27	7 46	9 26	18 56	19 12	22 12			n.a.
T 7	3 50	26 9	2 34	11 13	1 30	20 53	6 26	13 45	1 22	0 43	1 11	5 35	2 15	22 5	0 34	23 8	0 27	7 47	9 26	18 56	19 13	22 10			n.a.
W 8	4 14	24 6	1 37	11 51	1 36	20 54	6 26	13 32	1 23	0 38	1 11	5 38	2 15	22 5	0 34	23 8	0 27	7 48	9 26	18 56	19 14	22 8			n.a.
T 9	4 38	21 2	0 35	12 28	1 41	20 53	6 25	13 19	1 23	0 33	1 11	5 40	2 15	22 4	0 34	23 8	0 27	7 48	9 26	18 56	19 14	22 6			n.a.
F 10	5 1	17 5	0s28	13 5	1 47	20 51	6 24	13 6	1 23	0 27	1 11	5 43	2 15	22 4	0 34	23 8	0 27	7 49	9 25	18 56	19 15	22 4			n.a.
S 11	5 25	12 25	1 31	13 41	1 52	20 48	6 22	12 53	1 23	0 22	1 11	5 46	2 15	22 4	0 34	23 8	0 27	7 50	9 25	18 56	19 16	22 2			n.a.
S 12	5 49	7 13	2 30	14 16	1 57	20 43	6 19	12 40	1 24	0 17	1 11	5 48	2 15	22 4	0 34	23 8	0 27	7 51	9 25	18 57	19 17	21 59			n.a.
M13	6 13	1 38	3 23	14 50	2 2	20 37	6 16	12 26	1 24	0 12	1 11	5 51	2 15	22 4	0 34	23 8	0 27	7 52	9 25	18 59	19 17	21 57			n.a.
T 14	6 36	4s 7	4 8	15 23	2 7	20 29	6 13	12 13	1 24	0 7	1 11	5 54	2 14	22 3	0 35	23 8	0 27	7 52	9 24	19 1	19 18	21 55			n.a.
W15	7 0	9 50	4 40	15 56	2 11	20 20	6 8	12 0	1 24	0 1	1 11	5 57	2 14	22 3	0 35	23 8	0 27	7 53	9 24	19 4	19 19	21 53			n.a.
T 16	7 23	15 14	4 58	16 27	2 15	20 10	6 3	11 46	1 24	0s 4	1 11	5 59	2 14	22 3	0 35	23 8	0 27	7 54	9 24	19 7	19 20	21 51			n.a.
F 17	7 46	19 59	5 0	16 58	2 19	19 58	5 57	11 33	1 25	0 9	1 11	6 2	2 14	22 3	0 35	23 8	0 27	7 55	9 24	19 10	19 21	21 49			n.a.
S 18	8 9	23 44	4 44	17 27	2 22	19 45	5 51	11 19	1 25	0 14	1 11	6 5	2 14	22 3	0 35	23 8	0 27	7 56	9 23	19 13	19 21	21 47			n.a.
S 19	8 32	26 7	4 12	17 55	2 25	19 30	5 44	11 6	1 25	0 19	1 11	6 7	2 14	22 3	0 35	23 8	0 27	7 56	9 23	19 15	19 22	21 44			n.a.
M20	8 55	26 54	3 24	18 22	2 28	19 14	5 36	10 52	1 25	0 24	1 11	6 10	2 14	22 3	0 35	23 8	0 27	7 57	9 23	19 16	19 23	21 42			n.a.
T 21	9 18	25 57	2 24	18 47	2 30	18 56	5 27	10 38	1 25	0 29	1 11	6 13	2 14	22 2	0 35	23 8	0 27	7 58	9 23	19 17	19 24	21 40			n.a.
W22	9 41	23 21	1 14	19 11	2 32	18 38	5 18	10 25	1 26	0 35	1 12	6 15	2 14	22 2	0 35	23 8	0 27	7 59	9 23	19 17	19 24	21 38			n.a.
T 23	10 3	19 20	0 1	19 34	2 33	18 17	5 8	10 11	1 26	0 40	1 12	6 18	2 14	22 2	0 35	23 8	0 27	8 0	9 22	19 17	19 25	21 36			n.a.
F 24	10 25	14 13	1n13	19 55	2 33	17 56	4 57	9 57	1 26	0 45	1 12	6 21	2 14	22 2	0 35	23 8	0 27	8 0	9 22	19 17	19 26	21 34			n.a.
S 25	10 48	8 22	2 22	20 14	2 33	17 34	4 46	9 43	1 26	0 50	1 12	6 23	2 14	22 2	0 35	23 8	0 27	8 1	9 22	19 18	19 27	21 31			n.a.
S 26	11 9	2 9	3 23	20 31	2 32	17 10	4 34	9 29	1 26	0 55	1 12	6 26	2 14	22 2	0 35	23 8	0 27	8 2	9 22	19 19	19 27	21 29			n.a.
M27	11 31	4n 8	4 10	20 46	2 31	16 46	4 21	9 15	1 27	1 0	1 12	6 29	2 14	22 2	0 35	23 8	0 27	8 3	9 22	19 21	19 28	21 27			n.a.
T 28	11 53	10 9	4 43	20 59	2 28	16 21	4 8	9 1	1 27	1 5	1 12	6 31	2 14	22 2	0 35	23 8	0 27	8 4	9 21	19 24	19 29	21 25			n.a.
W29	12 14	15 35	4 58	21 10	2 25	15 55	3 54	8 47	1 27	1 10	1 12	6 34	2 14	22 2	0 35	23 8	0 27	8 4	9 21	19 27	19 30	21 23			n.a.
T 30	12 35	20 10	4 57	21 18	2 21	15 29	3 40	8 33	1 27	1 15	1 12	6 36	2 14	22 2	0 35	23 8	0 27	8 5	9 21	19 30	19 30	21 20			n.a.
F 31	12s56	23n40	4n41	21s24	2s15	15s 2	3s25	8n19	1n27	1s20	1n12	6s39	2n14	22n 2	0n35	23n 8	0s27	8s 6	9n21	19s33	19s31	21n18			n.a.

Julian Day Number = 1639149.5, Delta T = 03h37m25s
Ecliptic obliquity = 23°43'27, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'45, Lahiri = - 7°03'45 Julian Calendar 1 Oct. 226 BCE == Greg. Calendar 27 Sept. 226 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

NOVEMBER 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 23 21	4♏50'27	7♊17	25♏30	0°R 5	13♍ 2	6♎15	22♎16	24♋37	6°R 8	16♏53	3°R32	3♒48	28♋11	n.a.	S 1
S 2	2 27 17	5°51'25	19°42	26° 0	29♎30	13°39	6°27	22°23	24°37	6♋ 8	16°55	3♒23	3°45	28°17	n.a.	S 2
M 3	2 31 14	6°52'25	1♋52	26°23	28°56	14°16	6°39	22°30	24°38	6° 7	16°57	3°17	3°42	28°24	n.a.	M 3
T 4	2 35 10	7°53'26	13°50	26°36	28°23	14°53	6°52	22°37	24°R38	6° 6	16°59	3°14	3°38	28°30	n.a.	T 4
W 5	2 39 7	8°54'28	25°40	26°R40	27°51	15°30	7° 4	22°44	24°38	6° 6	17° 2	3°12	3°35	28°37	n.a.	W 5
T 6	2 43 3	9°55'32	7♌27	26°34	27°22	16° 6	7°16	22°51	24°37	6° 5	17° 4	3°12	3°32	28°44	n.a.	T 6
F 7	2 47 0	10°56'36	19°17	26°17	26°53	16°43	7°28	22°58	24°37	6° 4	17° 6	3°12	3°29	28°50	n.a.	F 7
S 8	2 50 57	11°57'42	1♍16	25°49	26°27	17°20	7°40	23° 4	24°37	6° 3	17° 9	3°11	3°26	28°57	n.a.	S 8
S 9	2 54 53	12°58'49	13°29	25° 9	26° 3	17°57	7°52	23°11	24°37	6° 2	17°11	3° 7	3°22	29° 4	n.a.	S 9
M10	2 58 50	13°59'57	26° 0	24°18	25°42	18°33	8° 4	23°18	24°37	6° 2	17°13	3° 1	3°19	29°10	n.a.	M10
T 11	3 2 46	15° 1'06	8♎53	23°17	25°22	19°10	8°16	23°25	24°36	6° 1	17°15	2°52	3°16	29°17	n.a.	T 11
W12	3 6 43	16° 2'16	22° 8	22° 7	25° 5	19°47	8°27	23°31	24°36	6° 0	17°18	2°41	3°13	29°24	n.a.	W12
T 13	3 10 39	17° 3'26	5♏47	20°51	24°50	20°23	8°39	23°38	24°35	5°59	17°20	2°29	3°10	29°30	n.a.	T 13
F 14	3 14 36	18° 4'38	19°45	19°30	24°38	21° 0	8°51	23°45	24°35	5°58	17°22	2°16	3° 7	29°37	n.a.	F 14
S 15	3 18 32	19° 5'50	3♐59	18° 7	24°28	21°36	9° 2	23°51	24°34	5°57	17°25	2° 5	3° 3	29°44	n.a.	S 15
S 16	3 22 29	20° 7'03	18°21	16°45	24°21	22°13	9°14	23°58	24°34	5°56	17°27	1°56	3° 0	29°50	n.a.	S 16
M17	3 26 26	21° 8'17	2♑47	15°27	24°16	22°49	9°25	24° 5	24°33	5°55	17°29	1°50	2°57	29°57	n.a.	M17
T 18	3 30 22	22° 9'30	17°11	14°15	24°D14	23°26	9°37	24°11	24°32	5°54	17°32	1°47	2°54	0♌ 4	n.a.	T 18
W19	3 34 19	23°10'44	1♒29	13°11	24°14	24° 2	9°48	24°18	24°31	5°52	17°34	1°D46	2°51	0°10	n.a.	W19
T 20	3 38 15	24°11'58	15°39	12°17	24°16	24°39	9°59	24°24	24°30	5°51	17°36	1°47	2°47	0°17	n.a.	T 20
F 21	3 42 12	25°13'12	29°40	11°33	24°21	25°15	10°10	24°31	24°30	5°50	17°38	1°R47	2°44	0°23	n.a.	F 21
S 22	3 46 8	26°14'26	13♓31	11° 0	24°28	25°51	10°21	24°37	24°29	5°49	17°41	1°45	2°41	0°30	n.a.	S 22
S 23	3 50 5	27°15'40	27°13	10°38	24°38	26°28	10°32	24°43	24°28	5°48	17°43	1°42	2°38	0°37	n.a.	S 23
M24	3 54 2	28°16'54	10♈45	10°27	24°49	27° 4	10°43	24°50	24°26	5°46	17°45	1°35	2°35	0°43	n.a.	M24
T 25	3 57 58	29°18'08	24° 6	10°D25	25° 3	27°40	10°54	24°56	24°25	5°45	17°47	1°27	2°32	0°50	n.a.	T 25
W26	4 1 55	0♐19'22	7♉16	10°33	25°19	28°16	11° 5	25° 2	24°24	5°44	17°50	1°16	2°28	0°57	n.a.	W26
T 27	4 5 51	1°20'37	20°14	10°49	25°37	28°52	11°15	25° 8	24°23	5°43	17°52	1° 4	2°25	1° 3	n.a.	T 27
F 28	4 9 48	2°21'51	2♊58	11°13	25°57	29°29	11°26	25°14	24°22	5°41	17°54	0°53	2°22	1°10	n.a.	F 28
S 29	4 13 44	3°23'06	15°29	11°44	26°19	0♎ 5	11°36	25°20	24°20	5°40	17°56	0°44	2°19	1°17	n.a.	S 29
S 30	4 17 41	4♐24'21	27♊46	12♏22	26♎43	0♎41	11♎47	25♎27	24♋19	5♋38	17♏59	0♒36	2♒16	1♌23	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s17	25n54	4n10	21s27	2s 9	14s35	3s10	8n 5	1n27	1s24	1n12	6s42	2n14	22n 2	0n35	23n 8	0s27	8s 7	9n21	19s36	19s32	21n16		n.a.
S 2	13 38	26 47	3 28	21 27	2 1	14 9	2 55	7 51	1 28	1 29	1 12	6 44	2 14	22 2	0 35	23 8	0 27	8 7	9 21	19 38	19 33	21 14		n.a.
M 3	13 58	26 20	2 38	21 23	1 52	13 42	2 39	7 37	1 28	1 34	1 12	6 47	2 14	22 2	0 35	23 8	0 27	8 8	9 20	19 39	19 33	21 12		n.a.
T 4	14 18	24 40	1 41	21 16	1 41	13 16	2 24	7 22	1 28	1 39	1 12	6 49	2 15	22 2	0 35	23 8	0 27	8 9	9 20	19 40	19 34	21 9		n.a.
W 5	14 38	21 55	0 40	21 5	1 29	12 50	2 8	7 8	1 28	1 44	1 12	6 52	2 15	22 2	0 35	23 8	0 27	8 10	9 20	19 40	19 35	21 7		n.a.
T 6	14 58	18 16	0s23	20 50	1 15	12 24	1 53	6 54	1 28	1 49	1 12	6 54	2 15	22 2	0 35	23 8	0 27	8 10	9 20	19 40	19 36	21 5		n.a.
F 7	15 17	13 53	1 24	20 32	1 0	11 59	1 37	6 39	1 28	1 53	1 13	6 57	2 15	22 2	0 35	23 8	0 27	8 11	9 20	19 40	19 36	21 3		n.a.
S 8	15 36	8 56	2 23	20 9	0 44	11 35	1 22	6 25	1 29	1 58	1 13	6 59	2 15	22 2	0 36	23 8	0 27	8 12	9 20	19 41	19 37	21 0		n.a.
S 9	15 55	3 33	3 16	19 42	0 26	11 12	1 6	6 11	1 29	2 3	1 13	7 2	2 15	22 2	0 36	23 8	0 27	8 13	9 20	19 41	19 38	20 58		n.a.
M10	16 14	2s 4	4 1	19 11	0 7	10 50	0 51	5 56	1 29	2 7	1 13	7 4	2 15	22 2	0 36	23 8	0 27	8 13	9 20	19 43	19 39	20 56		n.a.
T 11	16 32	7 46	4 36	18 36	0n13	10 29	0 36	5 42	1 29	2 12	1 13	7 7	2 15	22 2	0 36	23 8	0 27	8 14	9 19	19 45	19 39	20 54		n.a.
W12	16 50	13 17	4 56	17 58	0 34	10 9	0 22	5 27	1 29	2 17	1 13	7 9	2 15	22 3	0 36	23 8	0 27	8 15	9 19	19 48	19 40	20 51		n.a.
T 13	17 8	18 19	5 1	17 19	0 54	9 51	0 7	5 13	1 29	2 21	1 13	7 12	2 15	22 3	0 36	23 8	0 27	8 16	9 19	19 50	19 41	20 49		n.a.
F 14	17 25	22 29	4 48	16 37	1 14	9 33	0n 6	4 59	1 29	2 26	1 13	7 14	2 15	22 3	0 36	23 8	0 27	8 16	9 19	19 53	19 42	20 47		n.a.
S 15	17 42	25 23	4 16	15 56	1 33	9 17	0 20	4 44	1 30	2 30	1 13	7 17	2 15	22 3	0 36	23 8	0 27	8 17	9 19	19 56	19 42	20 45		n.a.
S 16	17 59	26 40	3 29	15 16	1 51	9 2	0 33	4 30	1 30	2 35	1 13	7 19	2 15	22 3	0 36	23 9	0 27	8 18	9 19	19 58	19 43	20 42		n.a.
M17	18 15	26 9	2 27	14 39	2 7	8 49	0 46	4 15	1 30	2 39	1 13	7 21	2 15	22 3	0 36	23 9	0 27	8 18	9 19	19 59	19 44	20 40		n.a.
T 18	18 32	23 52	1 17	14 4	2 20	8 36	0 58	4 1	1 30	2 44	1 14	7 24	2 15	22 3	0 36	23 9	0 27	8 19	9 19	20 0	19 45	20 38		n.a.
W19	18 47	20 5	0 2	13 34	2 32	8 25	1 10	3 46	1 30	2 48	1 14	7 26	2 15	22 4	0 36	23 9	0 27	8 20	9 19	20 0	19 45	20 35		n.a.
T 20	19 3	15 10	1n13	13 9	2 41	8 16	1 21	3 32	1 30	2 52	1 14	7 28	2 15	22 4	0 36	23 9	0 27	8 20	9 19	20 0	19 46	20 33		n.a.
F 21	19 18	9 30	2 23	12 49	2 48	8 8	1 32	3 17	1 30	2 57	1 14	7 31	2 16	22 4	0 36	23 9	0 27	8 21	9 19	20 0	19 47	20 31		n.a.
S 22	19 32	3 26	3 23	12 34	2 53	8 1	1 42	3 3	1 30	3 1	1 14	7 33	2 16	22 4	0 36	23 9	0 27	8 22	9 19	20 0	19 48	20 28		n.a.
S 23	19 47	2n42	4 11	12 25	2 56	7 55	1 52	2 48	1 31	3 5	1 14	7 35	2 16	22 4	0 36	23 9	0 27	8 22	9 19	20 1	19 48	20 26		n.a.
M24	20 1	8 39	4 44	12 20	2 57	7 50	2 2	2 34	1 31	3 9	1 14	7 37	2 16	22 5	0 36	23 9	0 27	8 23	9 19	20 3	19 49	20 24		n.a.
T 25	20 14	14 7	5 1	12 20	2 56	7 47	2 11	2 19	1 31	3 13	1 14	7 40	2 16	22 5	0 36	23 9	0 27	8 24	9 19	20 5	19 50	20 22		n.a.
W26	20 28	18 51	5 2	12 24	2 54	7 45	2 19	2 5	1 31	3 18	1 15	7 42	2 16	22 5	0 36	23 9	0 27	8 24	9 18	20 7	19 50	20 19		n.a.
T 27	20 40	22 37	4 47	12 32	2 51	7 44	2 28	1 50	1 31	3 22	1 15	7 44	2 16	22 5	0 36	23 9	0 27	8 25	9 18	20 9	19 51	20 17		n.a.
F 28	20 53	25 13	4 18	12 43	2 47	7 44	2 35	1 36	1 31	3 26	1 15	7 46	2 16	22 6	0 36	23 9	0 27	8 26	9 18	20 12	19 52	20 15		n.a.
S 29	21 5	26 31	3 37	12 58	2 43	7 45	2 43	1 21	1 31	3 30	1 15	7 48	2 16	22 6	0 36	23 9	0 27	8 26	9 18	20 14	19 53	20 12		n.a.
S 30	21s17	26n28	2n46	13s14	2n37	7s47	2n50	1n 7	1n31	3s34	1n15	7s50	2n16	22n 6	0n36	23n 9	0s27	8s27	9n18	20s16	19s53	20n10		n.a.

Julian Day Number = 1639180.5, Delta T = 03h37m24s
Ecliptic obliquity = 23°43'26, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'41, Lahiri = - 7°03'41 Julian Calendar 1 Nov. 226 BCE == Greg. Calendar 28 Oct. 226 BCE

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ASTRODIENST EPHEMERIS for the year 226 BCE
geocentric

DECEMBER 226 BCE (-225) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 21 37	5♐25'35	9♋50	13♏ 5	27♎ 9	1♎17	11♎57	25♎32	24°R18	5°R37	18♏ 1	0°R31	2♒13	1♌30	n.a.	M 1
T 2	4 25 34	6°26'50	21°45	13°53	27°36	1°53	12° 7	25°38	24♋16	5♋36	18° 3	0♒29	2° 9	1°37	n.a.	T 2
W 3	4 29 31	7°28'05	3♌34	14°46	28° 5	2°29	12°17	25°44	24°15	5°34	18° 5	0°D28	2° 6	1°43	n.a.	W 3
T 4	4 33 27	8°29'21	15°21	15°43	28°36	3° 5	12°27	25°50	24°13	5°33	18° 8	0°29	2° 3	1°50	n.a.	T 4
F 5	4 37 24	9°30'36	27°10	16°43	29° 8	3°40	12°37	25°56	24°12	5°31	18°10	0°31	2° 0	1°56	n.a.	F 5
S 6	4 41 20	10°31'51	9♍ 7	17°47	29°42	4°16	12°47	26° 2	24°10	5°30	18°12	0°R31	1°57	2° 3	n.a.	S 6
S 7	4 45 17	11°33'06	21°18	18°53	0♏17	4°52	12°56	26° 7	24° 8	5°28	18°14	0°31	1°53	2°10	n.a.	S 7
M 8	4 49 13	12°34'22	3♎47	20° 2	0°54	5°28	13° 6	26°13	24° 7	5°27	18°16	0°28	1°50	2°16	n.a.	M 8
T 9	4 53 10	13°35'37	16°39	21°12	1°32	6° 4	13°15	26°18	24° 5	5°25	18°18	0°24	1°47	2°23	n.a.	T 9
W10	4 57 7	14°36'52	29°57	22°25	2°11	6°39	13°25	26°24	24° 3	5°24	18°20	0°18	1°44	2°30	n.a.	W10
T 11	5 1 3	15°38'07	13♏41	23°40	2°51	7°15	13°34	26°29	24° 1	5°22	18°23	0°10	1°41	2°36	n.a.	T 11
F 12	5 5 0	16°39'22	27°51	24°56	3°33	7°50	13°43	26°35	23°59	5°21	18°25	0° 3	1°38	2°43	n.a.	F 12
S 13	5 8 56	17°40'37	12♐23	26°14	4°16	8°26	13°52	26°40	23°57	5°19	18°27	29♑56	1°34	2°50	n.a.	S 13
S 14	5 12 53	18°41'51	27° 8	27°33	4°59	9° 1	14° 1	26°45	23°55	5°17	18°29	29°50	1°31	2°56	n.a.	S 14
M15	5 16 49	19°43'04	12♑ 0	28°54	5°44	9°37	14°10	26°50	23°53	5°16	18°31	29°47	1°28	3° 3	n.a.	M15
T 16	5 20 46	20°44'17	26°51	0♐15	6°30	10°12	14°18	26°56	23°51	5°14	18°33	29°D46	1°25	3°10	n.a.	T 16
W17	5 24 42	21°45'29	11♒33	1°38	7°17	10°47	14°27	27° 1	23°49	5°12	18°35	29°46	1°22	3°16	n.a.	W17
T 18	5 28 39	22°46'40	26° 2	3° 1	8° 4	11°23	14°35	27° 6	23°47	5°11	18°37	29°48	1°19	3°23	n.a.	T 18
F 19	5 32 36	23°47'50	10♓13	4°26	8°53	11°58	14°43	27°10	23°45	5° 9	18°39	29°49	1°15	3°30	n.a.	F 19
S 20	5 36 32	24°48'59	24° 7	5°51	9°42	12°33	14°51	27°15	23°43	5° 8	18°41	29°R50	1°12	3°36	n.a.	S 20
S 21	5 40 29	25°50'07	7♈43	7°17	10°32	13° 8	14°59	27°20	23°41	5° 6	18°43	29°49	1° 9	3°43	n.a.	S 21
M22	5 44 25	26°51'14	21° 2	8°44	11°23	13°43	15° 7	27°25	23°38	5° 4	18°45	29°47	1° 6	3°49	n.a.	M22
T 23	5 48 22	27°52'19	4♉ 6	10°11	12°15	14°18	15°15	27°29	23°36	5° 3	18°47	29°43	1° 3	3°56	n.a.	T 23
W24	5 52 18	28°53'24	16°55	11°40	13° 7	14°53	15°23	27°34	23°34	5° 1	18°48	29°38	0°59	4° 3	n.a.	W24
T 25	5 56 15	29°54'27	29°31	13° 9	14° 0	15°28	15°30	27°38	23°32	4°59	18°50	29°33	0°56	4° 9	n.a.	T 25
F 26	6 0 11	0♑55'30	11♊56	14°38	14°54	16° 2	15°37	27°43	23°29	4°57	18°52	29°27	0°53	4°16	n.a.	F 26
S 27	6 4 8	1°56'31	24°11	16° 9	15°49	16°37	15°45	27°47	23°27	4°56	18°54	29°23	0°50	4°23	n.a.	S 27
S 28	6 8 5	2°57'31	6♋16	17°40	16°44	17°12	15°52	27°51	23°25	4°54	18°56	29°20	0°47	4°29	n.a.	S 28
M29	6 12 1	3°58'31	18°13	19°11	17°39	17°46	15°59	27°55	23°22	4°52	18°57	29°18	0°44	4°36	n.a.	M29
T 30	6 15 58	4°59'29	0♌ 4	20°44	18°35	18°21	16° 5	28° 0	23°20	4°51	18°59	29°D17	0°40	4°43	n.a.	T 30
W31	6 19 54	6♑ 0'26	11♌51	22♐17	19♏32	18♎55	16♎12	28♎ 4	23♋17	4♋49	19♏ 1	29♑18	0♒37	4♌49	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	21s28	25n10	1n49	13s33	2n31	7s50	2n56	0n53	1n31	3s38	1n15	7s52	2n17	22n 7	0n36	23n 9	0s27	8s27	9n18	20s17	19s54	20n 7			n.a.
T 2	21 39	22 43	0 47	13 54	2 24	7 55	3 2	0 38	1 31	3 42	1 15	7 54	2 17	22 7	0 36	23 9	0 27	8 28	9 18	20 17	19 55	20 5			n.a.
W 3	21 49	19 19	0s17	14 17	2 17	8 0	3 8	0 24	1 31	3 45	1 15	7 56	2 17	22 7	0 36	23 9	0 27	8 29	9 18	20 17	19 56	20 3			n.a.
T 4	21 59	15 10	1 19	14 40	2 10	8 6	3 13	0 10	1 31	3 49	1 16	7 59	2 17	22 7	0 36	23 10	0 27	8 29	9 18	20 17	19 56	20 0			n.a.
F 5	22 8	10 26	2 19	15 5	2 2	8 12	3 18	0s 5	1 32	3 53	1 16	8 0	2 17	22 8	0 37	23 10	0 27	8 30	9 18	20 17	19 57	19 58			n.a.
S 6	22 18	5 16	3 13	15 30	1 54	8 20	3 23	0 19	1 32	3 57	1 16	8 2	2 17	22 8	0 37	23 10	0 27	8 30	9 18	20 17	19 58	19 56			n.a.
S 7	22 26	0s11	4 0	15 57	1 46	8 28	3 28	0 33	1 32	4 0	1 16	8 4	2 17	22 8	0 37	23 10	0 27	8 31	9 18	20 17	19 58	19 53			n.a.
M 8	22 34	5 44	4 36	16 23	1 38	8 37	3 32	0 48	1 32	4 4	1 16	8 6	2 17	22 9	0 37	23 10	0 27	8 31	9 19	20 17	19 59	19 51			n.a.
T 9	22 42	11 13	5 0	16 50	1 30	8 47	3 35	1 2	1 32	4 7	1 16	8 8	2 18	22 9	0 37	23 10	0 27	8 32	9 19	20 18	20 0	19 49			n.a.
W10	22 49	16 23	5 9	17 17	1 22	8 57	3 39	1 16	1 32	4 11	1 16	8 10	2 18	22 9	0 37	23 10	0 27	8 32	9 19	20 20	20 1	19 46			n.a.
T 11	22 56	20 54	5 0	17 44	1 13	9 8	3 42	1 30	1 32	4 14	1 17	8 12	2 18	22 10	0 37	23 10	0 27	8 33	9 19	20 21	20 1	19 44			n.a.
F 12	23 3	24 21	4 34	18 11	1 5	9 20	3 44	1 45	1 32	4 18	1 17	8 14	2 18	22 10	0 37	23 10	0 27	8 33	9 19	20 23	20 2	19 41			n.a.
S 13	23 9	26 19	3 49	18 37	0 57	9 32	3 47	1 59	1 32	4 21	1 17	8 16	2 18	22 10	0 37	23 10	0 27	8 34	9 19	20 24	20 3	19 39			n.a.
S 14	23 14	26 29	2 48	19 4	0 49	9 45	3 49	2 13	1 32	4 25	1 17	8 17	2 18	22 11	0 37	23 10	0 27	8 34	9 19	20 26	20 3	19 37			n.a.
M15	23 19	24 45	1 35	19 30	0 40	9 58	3 51	2 27	1 32	4 28	1 17	8 19	2 18	22 11	0 37	23 10	0 27	8 35	9 19	20 26	20 4	19 34			n.a.
T 16	23 24	21 18	0 16	19 55	0 32	10 11	3 53	2 41	1 32	4 31	1 17	8 21	2 19	22 12	0 37	23 10	0 27	8 35	9 19	20 27	20 5	19 32			n.a.
W17	23 28	16 30	1n 4	20 20	0 24	10 25	3 54	2 55	1 32	4 34	1 18	8 22	2 19	22 12	0 37	23 10	0 27	8 36	9 19	20 26	20 6	19 29			n.a.
T 18	23 31	10 49	2 18	20 44	0 16	10 39	3 56	3 9	1 32	4 37	1 18	8 24	2 19	22 12	0 37	23 11	0 27	8 36	9 19	20 26	20 6	19 27			n.a.
F 19	23 35	4 42	3 23	21 8	0 9	10 54	3 57	3 23	1 32	4 40	1 18	8 26	2 19	22 13	0 37	23 11	0 27	8 37	9 19	20 26	20 7	19 25			n.a.
S 20	23 37	1n31	4 14	21 31	0 1	11 9	3 57	3 36	1 32	4 43	1 18	8 27	2 19	22 13	0 37	23 11	0 27	8 37	9 19	20 26	20 8	19 22			n.a.
S 21	23 39	7 31	4 50	21 53	0s 6	11 24	3 58	3 50	1 32	4 46	1 18	8 29	2 19	22 14	0 37	23 11	0 27	8 38	9 19	20 26	20 8	19 20			n.a.
M22	23 41	13 4	5 9	22 15	0 14	11 39	3 58	4 4	1 32	4 49	1 18	8 30	2 20	22 14	0 37	23 11	0 27	8 38	9 19	20 26	20 9	19 17			n.a.
T 23	23 42	17 54	5 12	22 35	0 21	11 55	3 58	4 18	1 32	4 52	1 19	8 32	2 20	22 14	0 37	23 11	0 27	8 39	9 20	20 27	20 10	19 15			n.a.
W24	23 43	21 51	4 58	22 55	0 28	12 11	3 58	4 31	1 32	4 55	1 19	8 33	2 20	22 15	0 37	23 11	0 27	8 39	9 20	20 28	20 11	19 12			n.a.
T 25	23 43	24 42	4 31	23 13	0 35	12 27	3 58	4 45	1 32	4 58	1 19	8 35	2 20	22 15	0 37	23 11	0 27	8 39	9 20	20 29	20 11	19 10			n.a.
F 26	23 43	26 18	3 51	23 31	0 41	12 43	3 57	4 58	1 32	5 0	1 19	8 36	2 20	22 16	0 37	23 11	0 27	8 40	9 20	20 30	20 12	19 7			n.a.
S 27	23 43	26 37	3 1	23 47	0 48	12 59	3 57	5 12	1 32	5 3	1 19	8 38	2 20	22 16	0 37	23 11	0 27	8 40	9 20	20 31	20 13	19 5			n.a.
S 28	23 41	25 38	2 3	24 3	0 54	13 16	3 56	5 25	1 32	5 5	1 20	8 39	2 21	22 17	0 37	23 11	0 27	8 40	9 20	20 32	20 13	19 3			n.a.
M29	23 40	23 28	1 1	24 17	1 0	13 33	3 55	5 39	1 32	5 8	1 20	8 40	2 21	22 17	0 37	23 11	0 27	8 41	9 20	20 32	20 14	19 0			n.a.
T 30	23 38	20 18	0s 4	24 30	1 6	13 49	3 54	5 52	1 32	5 10	1 20	8 42	2 21	22 17	0 37	23 11	0 27	8 41	9 20	20 33	20 15	18 58			n.a.
W31	23s35	16n20	1s 9	24s41	1s12	14s 6	3n52	6s 5	1n32	5s13	1n20	8s43	2n21	22n18	0n37	23n12	0s27	8s41	9n20	20s32	20s15	18n55			n.a.

Julian Day Number = 1639210.5, Delta T = 03h37m23s
Ecliptic obliquity = 23°43'25, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'37, Lahiri = - 7°03'36 Julian Calendar 1 Dec. 226 BCE == Greg. Calendar 27 Nov. 226 BCE

The year -225 astronomical counting style corresponds to year 226 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

JANUARY 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 23 51	7♉ 1'22	23♌38	23♐51	20♏29	19♎30	16♎18	28♎ 7	23°R15	4°R47	19♏ 3	29♉19	0♒34	4♌56	n.a.	T 1
F 2	6 27 47	8° 2'17	5♍28	25°25	21°27	20° 4	16°25	28°11	23♋12	4♋46	19° 4	29°21	0°31	5° 3	n.a.	F 2
S 3	6 31 44	9° 3'11	17°26	27° 0	22°25	20°38	16°31	28°15	23°10	4°44	19° 6	29°23	0°28	5° 9	n.a.	S 3
S 4	6 35 41	10° 4'04	29°35	28°36	23°24	21°12	16°37	28°19	23° 7	4°42	19° 8	29°24	0°25	5°16	n.a.	S 4
M 5	6 39 37	11° 4'56	12♎ 1	0♉13	24°23	21°47	16°43	28°22	23° 5	4°41	19° 9	29°R24	0°21	5°23	n.a.	M 5
T 6	6 43 34	12° 5'47	24°47	1°50	25°23	22°21	16°48	28°26	23° 2	4°39	19°11	29°24	0°18	5°29	n.a.	T 6
W 7	6 47 30	13° 6'37	7♏58	3°28	26°23	22°55	16°54	28°29	23° 0	4°37	19°12	29°22	0°15	5°36	n.a.	W 7
T 8	6 51 27	14° 7'26	21°37	5° 7	27°24	23°28	16°59	28°32	22°57	4°36	19°14	29°21	0°12	5°42	n.a.	T 8
F 9	6 55 23	15° 8'14	5♐43	6°47	28°24	24° 2	17° 4	28°36	22°54	4°34	19°15	29°19	0° 9	5°49	n.a.	F 9
S 10	6 59 20	16° 9'01	20°15	8°27	29°26	24°36	17° 9	28°39	22°52	4°32	19°17	29°17	0° 5	5°56	n.a.	S 10
S 11	7 3 16	17° 9'46	5♉ 7	10° 8	0♐27	25° 9	17°14	28°42	22°49	4°31	19°18	29°16	0° 2	6° 2	n.a.	S 11
M12	7 7 13	18°10'30	20°13	11°50	1°29	25°43	17°19	28°45	22°47	4°29	19°20	29°15	29♉59	6° 9	n.a.	M12
T 13	7 11 10	19°11'12	5♒23	13°33	2°31	26°16	17°24	28°48	22°44	4°27	19°21	29°D15	29°56	6°16	n.a.	T 13
W14	7 15 6	20°11'53	20°28	15°17	3°34	26°50	17°28	28°51	22°41	4°26	19°22	29°15	29°53	6°22	n.a.	W14
T 15	7 19 3	21°12'32	5♓19	17° 2	4°37	27°23	17°32	28°53	22°39	4°24	19°24	29°16	29°50	6°29	n.a.	T 15
F 16	7 22 59	22°13'08	19°50	18°47	5°40	27°56	17°36	28°56	22°36	4°22	19°25	29°17	29°46	6°36	n.a.	F 16
S 17	7 26 56	23°13'43	3♈57	20°33	6°43	28°29	17°40	28°58	22°34	4°21	19°26	29°17	29°43	6°42	n.a.	S 17
S 18	7 30 52	24°14'16	17°40	22°21	7°47	29° 2	17°44	29° 1	22°31	4°19	19°28	29°17	29°40	6°49	n.a.	S 18
M19	7 34 49	25°14'47	0♉59	24° 9	8°51	29°35	17°47	29° 3	22°28	4°18	19°29	29°R17	29°37	6°56	n.a.	M19
T 20	7 38 45	26°15'16	13°57	25°58	9°55	0♏ 7	17°50	29° 5	22°26	4°16	19°30	29°17	29°34	7° 2	n.a.	T 20
W21	7 42 42	27°15'44	26°35	27°47	11° 0	0°40	17°54	29° 7	22°23	4°15	19°31	29°17	29°31	7° 9	n.a.	W21
T 22	7 46 39	28°16'09	8♊58	29°38	12° 4	1°13	17°57	29° 9	22°20	4°13	19°32	29°17	29°27	7°16	n.a.	T 22
F 23	7 50 35	29°16'32	21° 9	1♒29	13° 9	1°45	17°59	29°11	22°18	4°12	19°33	29°D17	29°24	7°22	n.a.	F 23
S 24	7 54 32	0♒16'53	3♋10	3°21	14°14	2°17	18° 2	29°13	22°15	4°10	19°35	29°17	29°21	7°29	n.a.	S 24
S 25	7 58 28	1°17'12	15° 5	5°14	15°20	2°49	18° 4	29°15	22°13	4° 9	19°36	29°17	29°18	7°35	n.a.	S 25
M26	8 2 25	2°17'30	26°55	7° 7	16°25	3°21	18° 7	29°16	22°10	4° 7	19°37	29°R17	29°15	7°42	n.a.	M26
T 27	8 6 21	3°17'45	8♌43	9° 1	17°31	3°53	18° 9	29°18	22° 8	4° 6	19°38	29°17	29°11	7°49	n.a.	T 27
W28	8 10 18	4°17'59	20°31	10°55	18°37	4°25	18°11	29°19	22° 5	4° 4	19°38	29°17	29° 8	7°55	n.a.	W28
T 29	8 14 14	5°18'10	2♍22	12°50	19°43	4°57	18°12	29°21	22° 2	4° 3	19°39	29°16	29° 5	8° 2	n.a.	T 29
F 30	8 18 11	6°18'20	14°17	14°44	20°50	5°28	18°14	29°22	22° 0	4° 2	19°40	29°15	29° 2	8° 9	n.a.	F 30
S 31	8 22 8	7♒18'28	26♍19	16♒38	21♐56	6♏ 0	18♎15	29♎23	21♋57	4♋ 0	19♏41	29♉14	28♉59	8♌15	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23s32	11n45	2s10	24s52	1s17	14s22	3n51	6s19	1n31	5s15	1n20	8s44	2n21	22n18	0n37	23n12	0s27	8s42	9n21	20s32	20s16	18n53			n.a.
F 2	23 29	6 43	3 7	25 1	1 22	14 39	3 49	6 32	1 31	5 17	1 21	8 45	2 22	22 19	0 37	23 12	0 27	8 42	9 21	20 32	20 17	18 50			n.a.
S 3	23 25	1 25	3 56	25 8	1 27	14 56	3 47	6 45	1 31	5 20	1 21	8 46	2 22	22 19	0 37	23 12	0 27	8 42	9 21	20 31	20 17	18 48			n.a.
S 4	23 20	4s 2	4 35	25 15	1 32	15 12	3 46	6 58	1 31	5 22	1 21	8 48	2 22	22 20	0 37	23 12	0 27	8 43	9 21	20 31	20 18	18 45			n.a.
M 5	23 15	9 26	5 2	25 19	1 36	15 29	3 44	7 11	1 31	5 24	1 21	8 49	2 22	22 20	0 37	23 12	0 27	8 43	9 21	20 31	20 19	18 43			n.a.
T 6	23 10	14 35	5 16	25 23	1 40	15 45	3 41	7 24	1 31	5 26	1 21	8 50	2 22	22 21	0 37	23 12	0 27	8 43	9 21	20 31	20 20	18 40			n.a.
W 7	23 4	19 15	5 13	25 24	1 44	16 2	3 39	7 36	1 31	5 28	1 22	8 51	2 22	22 21	0 37	23 12	0 26	8 43	9 21	20 31	20 20	18 38			n.a.
T 8	22 58	23 5	4 53	25 24	1 47	16 18	3 37	7 49	1 31	5 30	1 22	8 52	2 23	22 21	0 37	23 12	0 26	8 44	9 22	20 32	20 21	18 35			n.a.
F 9	22 51	25 42	4 15	25 23	1 50	16 34	3 34	8 2	1 30	5 31	1 22	8 53	2 23	22 22	0 37	23 12	0 26	8 44	9 22	20 32	20 22	18 33			n.a.
S 10	22 44	26 41	3 20	25 20	1 53	16 50	3 31	8 15	1 30	5 33	1 22	8 54	2 23	22 22	0 37	23 12	0 26	8 44	9 22	20 33	20 22	18 30			n.a.
S 11	22 36	25 47	2 10	25 15	1 55	17 5	3 29	8 27	1 30	5 35	1 22	8 55	2 23	22 23	0 37	23 12	0 26	8 44	9 22	20 33	20 23	18 28			n.a.
M12	22 28	23 0	0 50	25 8	1 57	17 21	3 26	8 40	1 30	5 36	1 23	8 55	2 24	22 23	0 37	23 12	0 26	8 45	9 22	20 33	20 24	18 25			n.a.
T 13	22 20	18 36	0n34	25 0	1 59	17 36	3 23	8 52	1 30	5 38	1 23	8 56	2 24	22 24	0 37	23 12	0 26	8 45	9 22	20 33	20 24	18 23			n.a.
W14	22 11	13 1	1 55	24 50	2 0	17 51	3 20	9 4	1 30	5 39	1 23	8 57	2 24	22 24	0 37	23 13	0 26	8 45	9 23	20 33	20 25	18 20			n.a.
T 15	22 2	6 46	3 7	24 38	2 1	18 5	3 17	9 16	1 29	5 41	1 23	8 58	2 24	22 25	0 37	23 13	0 26	8 45	9 23	20 33	20 26	18 18			n.a.
F 16	21 52	0 19	4 6	24 24	2 2	18 20	3 13	9 29	1 29	5 42	1 24	8 59	2 24	22 25	0 37	23 13	0 26	8 45	9 23	20 33	20 26	18 15			n.a.
S 17	21 42	5n59	4 47	24 8	2 2	18 34	3 10	9 41	1 29	5 44	1 24	8 59	2 25	22 26	0 37	23 13	0 26	8 46	9 23	20 33	20 27	18 13			n.a.
S 18	21 31	11 48	5 11	23 50	2 1	18 48	3 7	9 53	1 29	5 45	1 24	9 0	2 25	22 26	0 37	23 13	0 26	8 46	9 23	20 33	20 28	18 10			n.a.
M19	21 20	16 54	5 18	23 31	2 0	19 1	3 3	10 5	1 29	5 46	1 24	9 1	2 25	22 26	0 37	23 13	0 26	8 46	9 23	20 33	20 28	18 8			n.a.
T 20	21 9	21 6	5 8	23 9	1 59	19 14	3 0	10 16	1 28	5 47	1 24	9 1	2 25	22 27	0 37	23 13	0 26	8 46	9 24	20 33	20 29	18 5			n.a.
W21	20 57	24 12	4 43	22 46	1 57	19 27	2 56	10 28	1 28	5 48	1 25	9 2	2 25	22 27	0 37	23 13	0 26	8 46	9 24	20 33	20 30	18 2			n.a.
T 22	20 45	26 5	4 5	22 20	1 55	19 39	2 52	10 40	1 28	5 49	1 25	9 2	2 26	22 28	0 37	23 13	0 26	8 46	9 24	20 33	20 30	18 0			n.a.
F 23	20 33	26 42	3 17	21 53	1 52	19 51	2 49	10 51	1 28	5 50	1 25	9 3	2 26	22 28	0 37	23 13	0 26	8 46	9 24	20 33	20 31	17 57			n.a.
S 24	20 20	26 1	2 20	21 23	1 48	20 3	2 45	11 3	1 27	5 51	1 25	9 3	2 26	22 29	0 37	23 13	0 26	8 46	9 24	20 33	20 32	17 55			n.a.
S 25	20 7	24 9	1 18	20 52	1 44	20 14	2 41	11 14	1 27	5 51	1 26	9 4	2 26	22 29	0 37	23 13	0 26	8 46	9 25	20 33	20 32	17 52			n.a.
M26	19 53	21 14	0 13	20 18	1 39	20 25	2 37	11 26	1 27	5 52	1 26	9 4	2 27	22 29	0 37	23 13	0 26	8 46	9 25	20 33	20 33	17 50			n.a.
T 27	19 39	17 27	0s52	19 43	1 34	20 35	2 33	11 37	1 26	5 53	1 26	9 4	2 27	22 30	0 37	23 13	0 26	8 47	9 25	20 33	20 34	17 47			n.a.
W28	19 25	13 0	1 55	19 6	1 28	20 45	2 29	11 48	1 26	5 53	1 26	9 5	2 27	22 30	0 37	23 14	0 26	8 47	9 25	20 33	20 34	17 45			n.a.
T 29	19 10	8 3	2 54	18 27	1 21	20 54	2 25	11 59	1 26	5 54	1 26	9 5	2 27	22 31	0 37	23 14	0 26	8 47	9 25	20 33	20 35	17 42			n.a.
F 30	18 55	2 48	3 45	17 47	1 14	21 3	2 21	12 10	1 25	5 54	1 27	9 5	2 27	22 31	0 37	23 14	0 26	8 47	9 26	20 33	20 36	17 39			n.a.
S 31	18s40	2s35	4s27	17s 4	1s 6	21s12	2n17	12s21	1n25	5s54	1n27	9s 5	2n28	22n32	0n37	23n14	0s26	8s47	9n26	20s33	20s36	17n37			n.a.

Julian Day Number = 1639241.5, Delta T = 03h37m22s
Ecliptic obliquity = 23°43'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'33, Lahiri = - 7°03'32 Julian Calendar 1 Jan. 225 BCE == Greg. Calendar 28 Dec. 226 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

FEBRUARY 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 26 4	8♒18'34	8♎32	18♒32	23♐ 3	6♏31	18♎16	29♎24	21°R55	3°R59	19♏42	29°R13	28♉56	8♌22	n.a.	S 1
M 2	8 30 1	9°18'39	20°58	20°25	24°10	7° 2	18°17	29°25	21♋52	3♋57	19°43	29♉12	28°52	8°29	n.a.	M 2
T 3	8 33 57	10°18'42	3♏42	22°17	25°17	7°33	18°18	29°26	21°50	3°56	19°43	29°11	28°49	8°35	n.a.	T 3
W 4	8 37 54	11°18'43	16°47	24° 8	26°24	8° 4	18°19	29°27	21°48	3°55	19°44	29°D11	28°46	8°42	n.a.	W 4
T 5	8 41 50	12°18'43	0♐15	25°57	27°31	8°35	18°19	29°27	21°45	3°54	19°45	29°12	28°43	8°49	n.a.	T 5
F 6	8 45 47	13°18'41	14° 9	27°43	28°39	9° 5	18°19	29°28	21°43	3°52	19°46	29°13	28°40	8°55	n.a.	F 6
S 7	8 49 43	14°18'37	28°28	29°27	29°47	9°36	18°R19	29°28	21°40	3°51	19°46	29°14	28°37	9° 2	n.a.	S 7
S 8	8 53 40	15°18'31	13♑10	1♓ 8	0♑54	10° 6	18°19	29°29	21°38	3°50	19°47	29°15	28°33	9° 9	n.a.	S 8
M 9	8 57 37	16°18'24	28°11	2°44	2° 2	10°36	18°19	29°29	21°36	3°49	19°47	29°R16	28°30	9°15	n.a.	M 9
T 10	9 1 33	17°18'14	13♒22	4°17	3°10	11° 6	18°18	29°29	21°33	3°48	19°48	29°15	28°27	9°22	n.a.	T 10
W11	9 5 30	18°18'02	28°35	5°45	4°19	11°36	18°17	29°R29	21°31	3°47	19°48	29°14	28°24	9°28	n.a.	W11
T 12	9 9 26	19°17'48	13♓39	7° 7	5°27	12° 5	18°16	29°29	21°29	3°45	19°49	29°11	28°21	9°35	n.a.	T 12
F 13	9 13 23	20°17'32	28°25	8°24	6°35	12°35	18°15	29°29	21°27	3°44	19°49	29° 9	28°17	9°42	n.a.	F 13
S 14	9 17 19	21°17'14	12♈48	9°34	7°44	13° 4	18°14	29°29	21°25	3°43	19°50	29° 6	28°14	9°48	n.a.	S 14
S 15	9 21 16	22°16'53	26°43	10°38	8°52	13°33	18°12	29°28	21°22	3°42	19°50	29° 3	28°11	9°55	n.a.	S 15
M16	9 25 12	23°16'30	10♉10	11°35	10° 1	14° 2	18°11	29°28	21°20	3°41	19°50	29° 1	28° 8	10° 2	n.a.	M16
T 17	9 29 9	24°16'04	23°11	12°24	11°10	14°30	18° 9	29°27	21°18	3°40	19°50	29°D 1	28° 5	10° 8	n.a.	T 17
W18	9 33 6	25°15'36	5♊48	13° 6	12°19	14°59	18° 7	29°26	21°16	3°39	19°51	29° 1	28° 2	10°15	n.a.	W18
T 19	9 37 2	26°15'06	18° 7	13°40	13°28	15°27	18° 4	29°26	21°14	3°39	19°51	29° 2	27°58	10°22	n.a.	T 19
F 20	9 40 59	27°14'33	0♋11	14° 6	14°37	15°55	18° 2	29°25	21°12	3°38	19°51	29° 4	27°55	10°28	n.a.	F 20
S 21	9 44 55	28°13'58	12° 6	14°24	15°46	16°23	17°59	29°24	21°10	3°37	19°51	29° 6	27°52	10°35	n.a.	S 21
S 22	9 48 52	29°13'21	23°54	14°34	16°55	16°51	17°57	29°23	21° 8	3°36	19°51	29°R 7	27°49	10°42	n.a.	S 22
M23	9 52 48	0♓12'41	5♌41	14°R37	18° 4	17°18	17°54	29°22	21° 6	3°35	19°51	29° 7	27°46	10°48	n.a.	M23
T 24	9 56 45	1°11'59	17°29	14°31	19°14	17°45	17°51	29°20	21° 5	3°35	19°52	29° 5	27°43	10°55	n.a.	T 24
W25	10 0 41	2°11'15	29°20	14°18	20°23	18°12	17°47	29°19	21° 3	3°34	19°R52	29° 2	27°39	11° 2	n.a.	W25
T 26	10 4 38	3°10'28	11♍17	13°59	21°33	18°39	17°44	29°18	21° 1	3°33	19°52	28°57	27°36	11° 8	n.a.	T 26
F 27	10 8 34	4° 9'39	23°22	13°32	22°43	19° 5	17°40	29°16	20°59	3°32	19°51	28°51	27°33	11°15	n.a.	F 27
S 28	10 12 31	5° 8'49	5♎35	13° 1	23°52	19°31	17°36	29°15	20°58	3°32	19°51	28°45	27°30	11°22	n.a.	S 28
S 29	10 16 28	6♓ 7'56	17♎58	12♓24	25♑ 2	19♏57	17♎32	29♎13	20♋56	3♋31	19♏51	28♉38	27♉27	11♌28	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s24	7s57	4s57	16s21	0s57	21s20	2n13	12s31	1n24	5s54	1n27	9s 5	2n28	22n32	0n37	23n14	0s26	8s47	9n26	20s33	20s37	17n34		n.a.
M 2	18 8	13 7	5 14	15 36	0 47	21 27	2 9	12 42	1 24	5 55	1 27	9 6	2 28	22 32	0 37	23 14	0 26	8 47	9 26	20 34	20 38	17 32		n.a.
T 3	17 52	17 51	5 16	14 50	0 37	21 34	2 5	12 53	1 24	5 55	1 27	9 6	2 28	22 33	0 37	23 14	0 26	8 47	9 27	20 34	20 38	17 29		n.a.
W 4	17 35	21 52	5 3	14 3	0 27	21 40	2 0	13 3	1 23	5 55	1 28	9 6	2 29	22 33	0 37	23 14	0 26	8 47	9 27	20 34	20 39	17 27		n.a.
T 5	17 19	24 52	4 32	13 16	0 16	21 46	1 56	13 14	1 23	5 55	1 28	9 6	2 29	22 33	0 37	23 14	0 26	8 47	9 27	20 34	20 40	17 24		n.a.
F 6	17 1	26 29	3 45	12 28	0 4	21 51	1 52	13 24	1 22	5 55	1 28	9 6	2 29	22 34	0 37	23 14	0 26	8 47	9 27	20 33	20 40	17 21		n.a.
S 7	16 44	26 25	2 43	11 40	0n 9	21 56	1 48	13 34	1 22	5 54	1 28	9 6	2 29	22 34	0 37	23 14	0 26	8 47	9 27	20 33	20 41	17 19		n.a.
S 8	16 26	24 31	1 28	10 52	0 21	22 0	1 43	13 44	1 21	5 54	1 29	9 6	2 29	22 35	0 37	23 14	0 26	8 46	9 28	20 33	20 42	17 16		n.a.
M 9	16 8	20 52	0 6	10 5	0 35	22 3	1 39	13 54	1 21	5 54	1 29	9 5	2 30	22 35	0 37	23 14	0 26	8 46	9 28	20 33	20 42	17 14		n.a.
T 10	15 50	15 46	1n17	9 19	0 48	22 6	1 35	14 4	1 20	5 53	1 29	9 5	2 30	22 35	0 37	23 14	0 26	8 46	9 28	20 33	20 43	17 11		n.a.
W11	15 31	9 41	2 35	8 33	1 2	22 9	1 31	14 14	1 20	5 53	1 29	9 5	2 30	22 36	0 37	23 14	0 26	8 46	9 28	20 33	20 44	17 8		n.a.
T 12	15 13	3 6	3 41	7 50	1 16	22 10	1 26	14 23	1 19	5 52	1 29	9 5	2 30	22 36	0 37	23 14	0 26	8 46	9 29	20 34	20 44	17 6		n.a.
F 13	14 54	3n30	4 31	7 8	1 30	22 12	1 22	14 33	1 19	5 52	1 30	9 5	2 30	22 36	0 37	23 14	0 26	8 46	9 29	20 34	20 45	17 3		n.a.
S 14	14 34	9 45	5 3	6 29	1 43	22 12	1 18	14 43	1 18	5 51	1 30	9 4	2 31	22 37	0 37	23 14	0 26	8 46	9 29	20 35	20 46	17 0		n.a.
S 15	14 15	15 18	5 15	5 52	1 57	22 12	1 13	14 52	1 17	5 50	1 30	9 4	2 31	22 37	0 37	23 15	0 26	8 46	9 29	20 35	20 46	16 58		n.a.
M16	13 55	19 55	5 9	5 18	2 10	22 11	1 9	15 1	1 17	5 49	1 30	9 4	2 31	22 37	0 37	23 15	0 26	8 46	9 29	20 36	20 47	16 55		n.a.
T 17	13 35	23 25	4 48	4 47	2 23	22 10	1 5	15 10	1 16	5 48	1 30	9 3	2 31	22 38	0 37	23 15	0 26	8 46	9 30	20 36	20 48	16 53		n.a.
W18	13 15	25 40	4 13	4 20	2 35	22 8	1 1	15 19	1 15	5 47	1 31	9 3	2 32	22 38	0 37	23 15	0 26	8 45	9 30	20 36	20 48	16 50		n.a.
T 19	12 55	26 37	3 27	3 56	2 47	22 6	0 56	15 28	1 15	5 46	1 31	9 2	2 32	22 38	0 37	23 15	0 26	8 45	9 30	20 36	20 49	16 47		n.a.
F 20	12 34	26 16	2 32	3 36	2 58	22 3	0 52	15 37	1 14	5 45	1 31	9 2	2 32	22 39	0 37	23 15	0 26	8 45	9 30	20 35	20 49	16 45		n.a.
S 21	12 14	24 42	1 32	3 20	3 7	21 59	0 48	15 46	1 13	5 44	1 31	9 1	2 32	22 39	0 37	23 15	0 26	8 45	9 30	20 35	20 50	16 42		n.a.
S 22	11 53	22 3	0 29	3 8	3 16	21 55	0 44	15 55	1 12	5 43	1 31	9 1	2 32	22 39	0 37	23 15	0 26	8 45	9 31	20 35	20 51	16 39		n.a.
M23	11 32	18 30	0s36	3 1	3 23	21 50	0 40	16 3	1 12	5 42	1 32	9 0	2 33	22 39	0 37	23 15	0 26	8 44	9 31	20 35	20 51	16 37		n.a.
T 24	11 11	14 12	1 39	2 57	3 29	21 44	0 36	16 12	1 11	5 40	1 32	8 59	2 33	22 40	0 37	23 15	0 26	8 44	9 31	20 35	20 52	16 34		n.a.
W25	10 49	9 23	2 38	2 58	3 34	21 38	0 32	16 20	1 10	5 39	1 32	8 59	2 33	22 40	0 37	23 15	0 25	8 44	9 31	20 36	20 53	16 31		n.a.
T 26	10 28	4 11	3 30	3 3	3 37	21 31	0 28	16 28	1 9	5 37	1 32	8 58	2 33	22 40	0 37	23 15	0 25	8 44	9 32	20 37	20 53	16 29		n.a.
F 27	10 6	1s12	4 14	3 12	3 38	21 24	0 24	16 36	1 8	5 36	1 32	8 57	2 33	22 41	0 37	23 15	0 25	8 44	9 32	20 38	20 54	16 26		n.a.
S 28	9 44	6 36	4 46	3 24	3 38	21 16	0 20	16 45	1 7	5 34	1 33	8 57	2 34	22 41	0 37	23 15	0 25	8 43	9 32	20 39	20 55	16 23		n.a.
S 29	9s22	11s49	5s 5	3s41	3n35	21s 7	0n16	16s52	1n 6	5s32	1n33	8s56	2n34	22n41	0n37	23n15	0s25	8s43	9n32	20s41	20s55	16n21		n.a.

Julian Day Number = 1639272.5, Delta T = 03h37m21s
Ecliptic obliquity = 23°43'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'28, Lahiri = - 7°03'28 Julian Calendar 1 Feb. 225 BCE == Greg. Calendar 28 Jan. 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

MARCH 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 20 24	7♓ 7'01	0♏34	11°R42	26♉12	20♏23	17°R28	29°R11	20°R55	3°R31	19°R51	28°R33	27♉23	11♌35	n.a.	M 1
T 2	10 24 21	8° 6'05	13°23	10♓58	27°22	20°48	17♎24	29♎ 9	20♋53	3♋30	19♏51	28♉28	27°20	11°41	n.a.	T 2
W 3	10 28 17	9° 5'06	26°28	10°11	28°32	21°14	17°19	29° 7	20°51	3°30	19°51	28°26	27°17	11°48	n.a.	W 3
T 4	10 32 14	10° 4'06	9♐52	9°23	29°42	21°38	17°15	29° 5	20°50	3°29	19°50	28°D25	27°14	11°55	n.a.	T 4
F 5	10 36 10	11° 3'04	23°35	8°34	0♒52	22° 3	17°10	29° 3	20°49	3°29	19°50	28°25	27°11	12° 1	n.a.	F 5
S 6	10 40 7	12° 2'01	7♉39	7°45	2° 3	22°27	17° 5	29° 1	20°47	3°28	19°50	28°27	27° 8	12° 8	n.a.	S 6
S 7	10 44 3	13° 0'55	22° 4	6°59	3°13	22°51	17° 0	28°58	20°46	3°28	19°50	28°R28	27° 4	12°15	n.a.	S 7
M 8	10 48 0	13°59'48	6♒47	6°14	4°23	23°15	16°55	28°56	20°45	3°27	19°49	28°28	27° 1	12°21	n.a.	M 8
T 9	10 51 57	14°58'38	21°43	5°32	5°34	23°38	16°49	28°53	20°43	3°27	19°49	28°26	26°58	12°28	n.a.	T 9
W10	10 55 53	15°57'27	6♓45	4°54	6°44	24° 1	16°44	28°51	20°42	3°27	19°48	28°21	26°55	12°35	n.a.	W10
T 11	10 59 50	16°56'13	21°45	4°20	7°55	24°24	16°38	28°48	20°41	3°27	19°48	28°15	26°52	12°41	n.a.	T 11
F 12	11 3 46	17°54'58	6♈32	3°50	9° 5	24°46	16°32	28°45	20°40	3°26	19°47	28° 8	26°48	12°48	n.a.	F 12
S 13	11 7 43	18°53'40	20°59	3°26	10°16	25° 8	16°26	28°43	20°39	3°26	19°47	28° 0	26°45	12°55	n.a.	S 13
S 14	11 11 39	19°52'20	5♉ 1	3° 6	11°26	25°30	16°20	28°40	20°38	3°26	19°46	27°52	26°42	13° 1	n.a.	S 14
M15	11 15 36	20°50'58	18°35	2°51	12°37	25°51	16°14	28°37	20°37	3°26	19°46	27°46	26°39	13° 8	n.a.	M15
T 16	11 19 32	21°49'33	1♊41	2°42	13°48	26°12	16° 8	28°34	20°36	3°26	19°45	27°42	26°36	13°15	n.a.	T 16
W17	11 23 29	22°48'06	14°22	2°D38	14°59	26°32	16° 2	28°31	20°35	3°26	19°44	27°40	26°33	13°21	n.a.	W17
T 18	11 27 25	23°46'37	26°42	2°39	16° 9	26°53	15°55	28°27	20°35	3°D26	19°44	27°D39	26°29	13°28	n.a.	T 18
F 19	11 31 22	24°45'06	8♋46	2°45	17°20	27°12	15°48	28°24	20°34	3°26	19°43	27°40	26°26	13°35	n.a.	F 19
S 20	11 35 19	25°43'33	20°39	2°57	18°31	27°31	15°42	28°21	20°33	3°26	19°42	27°41	26°23	13°41	n.a.	S 20
S 21	11 39 15	26°41'57	2♌27	3°13	19°42	27°50	15°35	28°17	20°33	3°26	19°41	27°R41	26°20	13°48	n.a.	S 21
M22	11 43 12	27°40'19	14°14	3°33	20°53	28° 9	15°28	28°14	20°32	3°26	19°41	27°40	26°17	13°54	n.a.	M22
T 23	11 47 8	28°38'39	26° 4	3°58	22° 4	28°27	15°21	28°11	20°32	3°26	19°40	27°36	26°14	14° 1	n.a.	T 23
W24	11 51 5	29°36'56	8♍ 1	4°28	23°15	28°44	15°14	28° 7	20°31	3°26	19°39	27°29	26°10	14° 8	n.a.	W24
T 25	11 55 1	0♈35'12	20° 7	5° 1	24°26	29° 1	15° 7	28° 3	20°31	3°27	19°38	27°21	26° 7	14°14	n.a.	T 25
F 26	11 58 58	1°33'26	2♎23	5°39	25°37	29°18	15° 0	28° 0	20°30	3°27	19°37	27°10	26° 4	14°21	n.a.	F 26
S 27	12 2 54	2°31'38	14°51	6°20	26°48	29°34	14°53	27°56	20°30	3°27	19°36	26°59	26° 1	14°28	n.a.	S 27
S 28	12 6 51	3°29'48	27°32	7° 5	28° 0	29°50	14°45	27°52	20°30	3°27	19°35	26°47	25°58	14°34	n.a.	S 28
M29	12 10 48	4°27'56	10♏24	7°54	29°11	0♐ 5	14°38	27°48	20°30	3°28	19°34	26°37	25°54	14°41	n.a.	M29
T 30	12 14 44	5°26'03	23°28	8°46	0♓22	0°20	14°30	27°44	20°29	3°28	19°33	26°28	25°51	14°48	n.a.	T 30
W31	12 18 41	6♈24'08	6♐44	9♓41	1♓33	0♐34	14♎23	27♎40	20♋29	3♋29	19♏32	26♉22	25♉48	14♌54	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	9s 0	16s38	5s10	4s 0	3n31	20s58	0n12	17s 0	1n 5	5s31	1n33	8s55	2n34	22n41	0n37	23n15	0s25	8s43	9n32	20s42	20s56	16n18		n.a.	M 1
T 2	8 38	20 48	5 0	4 22	3 26	20 48	0 8	17 8	1 4	5 29	1 33	8 54	2 34	22 41	0 37	23 15	0 25	8 43	9 33	20 43	20 56	16 15		n.a.	T 2
W 3	8 15	24 2	4 34	4 47	3 18	20 38	0 4	17 16	1 3	5 27	1 33	8 53	2 34	22 42	0 37	23 15	0 25	8 42	9 33	20 43	20 57	16 13		n.a.	W 3
T 4	7 53	26 2	3 53	5 13	3 9	20 27	0 0	17 23	1 2	5 25	1 33	8 52	2 34	22 42	0 37	23 15	0 25	8 42	9 33	20 43	20 58	16 10		n.a.	T 4
F 5	7 30	26 32	2 58	5 41	2 59	20 15	0s 3	17 31	1 1	5 23	1 33	8 51	2 35	22 42	0 37	23 15	0 25	8 42	9 33	20 43	20 58	16 7		n.a.	F 5
S 6	7 8	25 20	1 50	6 10	2 47	20 3	0 7	17 38	1 0	5 21	1 34	8 50	2 35	22 42	0 37	23 15	0 25	8 42	9 33	20 43	20 59	16 5		n.a.	S 6
S 7	6 45	22 28	0 35	6 40	2 35	19 50	0 10	17 45	0 59	5 19	1 34	8 49	2 35	22 42	0 37	23 15	0 25	8 41	9 34	20 43	21 0	16 2		n.a.	S 7
M 8	6 22	18 4	0n45	7 9	2 21	19 37	0 14	17 52	0 58	5 17	1 34	8 48	2 35	22 43	0 37	23 16	0 25	8 41	9 34	20 43	21 0	15 59		n.a.	M 8
T 9	5 59	12 30	2 2	7 38	2 6	19 23	0 18	17 59	0 57	5 15	1 34	8 47	2 35	22 43	0 37	23 16	0 25	8 41	9 34	20 43	21 1	15 57		n.a.	T 9
W10	5 36	6 10	3 12	8 6	1 51	19 9	0 21	18 6	0 55	5 12	1 34	8 46	2 36	22 43	0 37	23 16	0 25	8 40	9 34	20 44	21 1	15 54		n.a.	W10
T 11	5 13	0n28	4 8	8 33	1 35	18 54	0 24	18 13	0 54	5 10	1 34	8 45	2 36	22 43	0 37	23 16	0 25	8 40	9 34	20 45	21 2	15 51		n.a.	T 11
F 12	4 50	6 59	4 46	8 59	1 20	18 38	0 28	18 20	0 53	5 8	1 34	8 44	2 36	22 43	0 37	23 16	0 25	8 40	9 35	20 47	21 3	15 48		n.a.	F 12
S 13	4 27	12 59	5 5	9 23	1 4	18 23	0 31	18 27	0 52	5 5	1 34	8 43	2 36	22 43	0 37	23 16	0 25	8 40	9 35	20 49	21 3	15 46		n.a.	S 13
S 14	4 3	18 7	5 5	9 45	0 48	18 6	0 34	18 33	0 50	5 3	1 35	8 42	2 36	22 43	0 37	23 16	0 25	8 39	9 35	20 50	21 4	15 43		n.a.	S 14
M15	3 40	22 9	4 47	10 5	0 32	17 49	0 37	18 40	0 49	5 0	1 35	8 41	2 36	22 44	0 37	23 16	0 25	8 39	9 35	20 51	21 4	15 40		n.a.	M15
T 16	3 17	24 54	4 15	10 22	0 17	17 32	0 40	18 46	0 47	4 58	1 35	8 39	2 36	22 44	0 37	23 16	0 25	8 39	9 35	20 52	21 5	15 38		n.a.	T 16
W17	2 53	26 18	3 31	10 38	0 2	17 14	0 43	18 52	0 46	4 55	1 35	8 38	2 37	22 44	0 37	23 16	0 25	8 38	9 36	20 53	21 6	15 35		n.a.	W17
T 18	2 30	26 19	2 39	10 51	0s13	16 55	0 46	18 58	0 44	4 53	1 35	8 37	2 37	22 44	0 37	23 16	0 25	8 38	9 36	20 53	21 6	15 32		n.a.	T 18
F 19	2 7	25 5	1 40	11 2	0 27	16 36	0 49	19 4	0 43	4 50	1 35	8 36	2 37	22 44	0 37	23 16	0 25	8 37	9 36	20 52	21 7	15 29		n.a.	F 19
S 20	1 43	22 44	0 38	11 10	0 40	16 17	0 52	19 10	0 41	4 47	1 35	8 34	2 37	22 44	0 37	23 16	0 25	8 37	9 36	20 52	21 8	15 27		n.a.	S 20
S 21	1 20	19 26	0s26	11 17	0 53	15 57	0 55	19 16	0 40	4 45	1 35	8 33	2 37	22 44	0 37	23 16	0 25	8 37	9 36	20 52	21 8	15 24		n.a.	S 21
M22	0 56	15 22	1 27	11 20	1 6	15 37	0 57	19 22	0 38	4 42	1 35	8 32	2 37	22 44	0 37	23 16	0 25	8 36	9 36	20 53	21 9	15 21		n.a.	M22
T 23	0 33	10 42	2 26	11 22	1 17	15 16	1 0	19 28	0 36	4 39	1 35	8 30	2 37	22 44	0 37	23 16	0 25	8 36	9 37	20 53	21 9	15 19		n.a.	T 23
W24	0 9	5 36	3 18	11 21	1 28	14 55	1 3	19 33	0 34	4 36	1 35	8 29	2 37	22 44	0 37	23 16	0 25	8 36	9 37	20 55	21 10	15 16		n.a.	W24
T 25	0n14	0 16	4 2	11 18	1 38	14 33	1 5	19 39	0 33	4 34	1 35	8 28	2 38	22 44	0 37	23 16	0 25	8 35	9 37	20 56	21 11	15 13		n.a.	T 25
F 26	0 38	5s10	4 35	11 13	1 48	14 11	1 7	19 44	0 31	4 31	1 35	8 26	2 38	22 44	0 37	23 16	0 25	8 35	9 37	20 58	21 11	15 10		n.a.	F 26
S 27	1 1	10 27	4 56	11 6	1 56	13 49	1 10	19 50	0 29	4 28	1 35	8 25	2 38	22 44	0 37	23 16	0 25	8 35	9 37	21 1	21 12	15 8		n.a.	S 27
S 28	1 24	15 25	5 3	10 56	2 5	13 26	1 12	19 55	0 27	4 25	1 35	8 23	2 38	22 44	0 36	23 16	0 25	8 34	9 37	21 3	21 12	15 5		n.a.	S 28
M29	1 48	19 45	4 54	10 45	2 12	13 3	1 14	20 0	0 25	4 22	1 35	8 22	2 38	22 44	0 36	23 16	0 25	8 34	9 37	21 5	21 13	15 2		n.a.	M29
T 30	2 11	23 13	4 30	10 31	2 19	12 40	1 16	20 5	0 23	4 19	1 35	8 20	2 38	22 44	0 36	23 16	0 25	8 33	9 38	21 7	21 14	14 59		n.a.	T 30
W31	2n34	25s29	3s51	10s16	2s25	12s16	1s18	20s10	0n21	4s16	1n35	8s19	2n38	22n44	0n36	23n16	0s25	8s33	9n38	21s 8	21s14	14n57		n.a.	W31

Julian Day Number = 1639301.5, Delta T = 03h37m20s
Ecliptic obliquity = 23°43'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'25, Lahiri = - 7°03'24 Julian Calendar 1 March 225 BCE == Greg. Calendar 26 Feb. 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

APRIL 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 22 37	7♈22'12	20♐13	10♓39	2♓45	0♐48	14°R15	27°R36	20°D29	3♋29	19°R31	26°R19	25♑45	15♌ 1	n.a.	T 1
F 2	12 26 34	8°20'15	3♑55	11°40	3°56	1° 1	14♎ 8	27♎32	20♋29	3°29	19♏30	26°D18	25°42	15° 8	n.a.	F 2
S 3	12 30 30	9°18'16	17°51	12°44	5° 8	1°13	14° 0	27°28	20°29	3°30	19°29	26♑18	25°39	15°14	n.a.	S 3
S 4	12 34 27	10°16'15	2♒ 2	13°51	6°19	1°25	13°53	27°24	20°30	3°30	19°28	26°R18	25°35	15°21	n.a.	S 4
M 5	12 38 23	11°14'13	16°26	15° 0	7°31	1°36	13°45	27°20	20°30	3°31	19°27	26°17	25°32	15°28	n.a.	M 5
T 6	12 42 20	12°12'10	1♓ 0	16°12	8°42	1°47	13°37	27°16	20°30	3°32	19°26	26°13	25°29	15°34	n.a.	T 6
W 7	12 46 17	13°10'05	15°40	17°27	9°54	1°57	13°30	27°12	20°30	3°32	19°25	26° 7	25°26	15°41	n.a.	W 7
T 8	12 50 13	14° 7'58	0♈20	18°43	11° 5	2° 7	13°22	27° 8	20°31	3°33	19°23	25°58	25°23	15°48	n.a.	T 8
F 9	12 54 10	15° 5'50	14°52	20° 3	12°17	2°15	13°14	27° 3	20°31	3°34	19°22	25°47	25°20	15°54	n.a.	F 9
S 10	12 58 6	16° 3'41	29°10	21°24	13°28	2°24	13° 7	26°59	20°31	3°34	19°21	25°36	25°16	16° 1	n.a.	S 10
S 11	13 2 3	17° 1'29	13♉ 6	22°48	14°40	2°31	12°59	26°55	20°32	3°35	19°20	25°25	25°13	16° 8	n.a.	S 11
M12	13 5 59	17°59'17	26°38	24°14	15°52	2°38	12°52	26°50	20°32	3°36	19°18	25°15	25°10	16°14	n.a.	M12
T 13	13 9 56	18°57'02	9♊44	25°43	17° 3	2°44	12°44	26°46	20°33	3°37	19°17	25° 8	25° 7	16°21	n.a.	T 13
W14	13 13 52	19°54'46	22°27	27°13	18°15	2°50	12°36	26°42	20°34	3°38	19°16	25° 4	25° 4	16°27	n.a.	W14
T 15	13 17 49	20°52'28	4♋48	28°46	19°27	2°55	12°29	26°37	20°34	3°39	19°14	25° 1	25° 0	16°34	n.a.	T 15
F 16	13 21 46	21°50'09	16°54	0♈21	20°39	2°59	12°21	26°33	20°35	3°39	19°13	25° 1	24°57	16°41	n.a.	F 16
S 17	13 25 42	22°47'48	28°48	1°58	21°50	3° 2	12°14	26°28	20°36	3°40	19°12	25° 1	24°54	16°47	n.a.	S 17
S 18	13 29 39	23°45'25	10♌37	3°37	23° 2	3° 5	12° 7	26°24	20°37	3°41	19°10	25° 0	24°51	16°54	n.a.	S 18
M19	13 33 35	24°43'00	22°26	5°18	24°14	3° 7	11°59	26°19	20°38	3°42	19° 9	24°58	24°48	17° 1	n.a.	M19
T 20	13 37 32	25°40'34	4♍19	7° 2	25°26	3° 8	11°52	26°15	20°39	3°43	19° 7	24°54	24°45	17° 7	n.a.	T 20
W21	13 41 28	26°38'06	16°22	8°47	26°38	3°R 9	11°45	26°11	20°40	3°44	19° 6	24°47	24°41	17°14	n.a.	W21
T 22	13 45 25	27°35'37	28°36	10°35	27°50	3° 9	11°38	26° 6	20°41	3°46	19° 5	24°37	24°38	17°21	n.a.	T 22
F 23	13 49 21	28°33'06	11♎ 5	12°25	29° 2	3° 8	11°31	26° 2	20°42	3°47	19° 3	24°26	24°35	17°27	n.a.	F 23
S 24	13 53 18	29°30'35	23°50	14°17	0♈14	3° 6	11°24	25°57	20°43	3°48	19° 2	24°13	24°32	17°34	n.a.	S 24
S 25	13 57 14	0♉28'01	6♏49	16°11	1°26	3° 4	11°17	25°53	20°44	3°49	19° 0	24° 1	24°29	17°41	n.a.	S 25
M26	14 1 11	1°25'27	20° 2	18° 7	2°38	3° 1	11°10	25°49	20°46	3°50	18°59	23°49	24°25	17°47	n.a.	M26
T 27	14 5 8	2°22'52	3♐28	20° 6	3°50	2°57	11° 3	25°44	20°47	3°51	18°57	23°40	24°22	17°54	n.a.	T 27
W28	14 9 4	3°20'16	17° 4	22° 6	5° 2	2°52	10°57	25°40	20°48	3°53	18°56	23°33	24°19	18° 1	n.a.	W28
T 29	14 13 1	4°17'39	0♑49	24° 8	6°14	2°47	10°50	25°35	20°50	3°54	18°54	23°29	24°16	18° 7	n.a.	T 29
F 30	14 16 57	5♉15'02	14♑42	26♈12	7♈26	2♐41	10♎44	25♎31	20♋51	3♋55	18♏53	23♑28	24♑13	18♌14	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n57	26s20	2s59	9s58	2s30	11s52	1s20	20s15	0n19	4s13	1n35	8s17	2n38	22n44	0n36	23n16	0s25	8s33	9n38	21s 8	21s15	14n54		n.a.
F 2	3 21	25 36	1 56	9 39	2 35	11 27	1 22	20 20	0 16	4 11	1 35	8 16	2 38	22 44	0 36	23 16	0 25	8 32	9 38	21 9	21 15	14 51		n.a.
S 3	3 44	23 15	0 45	9 18	2 39	11 2	1 24	20 25	0 14	4 8	1 35	8 14	2 38	22 44	0 36	23 16	0 25	8 32	9 38	21 9	21 16	14 48		n.a.
S 4	4 7	19 27	0n30	8 55	2 42	10 37	1 25	20 30	0 12	4 5	1 35	8 13	2 38	22 44	0 36	23 16	0 24	8 31	9 38	21 9	21 17	14 46		n.a.
M 5	4 30	14 26	1 45	8 30	2 45	10 12	1 27	20 34	0 9	4 2	1 35	8 11	2 38	22 44	0 36	23 16	0 24	8 31	9 38	21 9	21 17	14 43		n.a.
T 6	4 53	8 33	2 53	8 4	2 47	9 46	1 28	20 39	0 7	3 59	1 35	8 10	2 38	22 44	0 36	23 16	0 24	8 31	9 38	21 9	21 18	14 40		n.a.
W 7	5 16	2 11	3 50	7 36	2 48	9 20	1 30	20 43	0 5	3 56	1 35	8 8	2 38	22 44	0 36	23 16	0 24	8 30	9 39	21 11	21 18	14 37		n.a.
T 8	5 38	4n17	4 32	7 6	2 49	8 54	1 31	20 48	0 2	3 53	1 35	8 7	2 38	22 44	0 36	23 16	0 24	8 30	9 39	21 12	21 19	14 34		n.a.
F 9	6 1	10 28	4 56	6 35	2 49	8 27	1 33	20 52	0s 1	3 50	1 35	8 5	2 39	22 44	0 36	23 16	0 24	8 29	9 39	21 14	21 20	14 32		n.a.
S 10	6 23	15 58	5 0	6 2	2 49	8 1	1 34	20 56	0 3	3 47	1 35	8 3	2 39	22 44	0 36	23 16	0 24	8 29	9 39	21 16	21 20	14 29		n.a.
S 11	6 46	20 30	4 47	5 27	2 48	7 34	1 35	21 1	0 6	3 44	1 35	8 2	2 39	22 44	0 36	23 16	0 24	8 29	9 39	21 19	21 21	14 26		n.a.
M12	7 8	23 48	4 18	4 51	2 46	7 7	1 36	21 5	0 9	3 41	1 35	8 0	2 39	22 44	0 36	23 16	0 24	8 28	9 39	21 20	21 21	14 23		n.a.
T 13	7 30	25 43	3 35	4 14	2 44	6 39	1 37	21 9	0 11	3 38	1 35	7 59	2 39	22 43	0 36	23 16	0 24	8 28	9 39	21 22	21 22	14 21		n.a.
W14	7 53	26 13	2 43	3 35	2 41	6 12	1 38	21 12	0 14	3 35	1 35	7 57	2 39	22 43	0 36	23 16	0 24	8 27	9 39	21 22	21 22	14 18		n.a.
T 15	8 15	25 23	1 45	2 54	2 38	5 44	1 39	21 16	0 17	3 32	1 35	7 55	2 39	22 43	0 36	23 16	0 24	8 27	9 39	21 23	21 23	14 15		n.a.
F 16	8 36	23 21	0 43	2 12	2 34	5 16	1 39	21 20	0 20	3 30	1 34	7 54	2 39	22 43	0 36	23 16	0 24	8 26	9 39	21 23	21 24	14 12		n.a.
S 17	8 58	20 19	0s20	1 29	2 29	4 48	1 40	21 24	0 23	3 27	1 34	7 52	2 39	22 43	0 36	23 16	0 24	8 26	9 39	21 23	21 24	14 9		n.a.
S 18	9 20	16 28	1 22	0 45	2 24	4 20	1 41	21 27	0 26	3 24	1 34	7 51	2 39	22 43	0 36	23 16	0 24	8 26	9 39	21 23	21 25	14 7		n.a.
M19	9 41	12 0	2 20	0n 1	2 18	3 52	1 41	21 31	0 30	3 21	1 34	7 49	2 39	22 43	0 36	23 16	0 24	8 25	9 39	21 23	21 25	14 4		n.a.
T 20	10 2	7 4	3 12	0 48	2 12	3 23	1 42	21 34	0 33	3 18	1 34	7 47	2 39	22 42	0 36	23 16	0 24	8 25	9 39	21 24	21 26	14 1		n.a.
W21	10 23	1 49	3 56	1 37	2 5	2 55	1 42	21 38	0 36	3 16	1 34	7 46	2 39	22 42	0 36	23 16	0 24	8 24	9 39	21 25	21 26	13 58		n.a.
T 22	10 44	3s34	4 30	2 26	1 58	2 26	1 42	21 41	0 40	3 13	1 34	7 44	2 38	22 42	0 36	23 16	0 24	8 24	9 39	21 27	21 27	13 55		n.a.
F 23	11 5	8 54	4 52	3 16	1 50	1 57	1 42	21 44	0 43	3 10	1 33	7 43	2 38	22 42	0 36	23 16	0 24	8 24	9 39	21 29	21 28	13 53		n.a.
S 24	11 26	13 59	5 0	4 8	1 42	1 28	1 42	21 47	0 46	3 8	1 33	7 41	2 38	22 42	0 36	23 16	0 24	8 23	9 40	21 31	21 28	13 50		n.a.
S 25	11 46	18 33	4 53	5 0	1 34	0 59	1 43	21 50	0 50	3 5	1 33	7 40	2 38	22 41	0 36	23 16	0 24	8 23	9 40	21 34	21 29	13 47		n.a.
M26	12 6	22 17	4 30	5 53	1 25	0 30	1 42	21 53	0 53	3 3	1 33	7 38	2 38	22 41	0 36	23 16	0 24	8 22	9 40	21 36	21 29	13 44		n.a.
T 27	12 27	24 53	3 52	6 47	1 15	0 1	1 42	21 56	0 57	3 0	1 33	7 36	2 38	22 41	0 36	23 16	0 24	8 22	9 40	21 37	21 30	13 41		n.a.
W28	12 46	26 4	3 0	7 41	1 6	0n28	1 42	21 58	1 1	2 58	1 33	7 35	2 38	22 41	0 36	23 16	0 24	8 22	9 40	21 39	21 30	13 39		n.a.
T 29	13 6	25 40	1 57	8 36	0 56	0 57	1 42	22 1	1 5	2 55	1 32	7 33	2 38	22 41	0 36	23 16	0 24	8 21	9 40	21 39	21 31	13 36		n.a.
F 30	13n26	23s40	0s46	9n32	0s45	1n26	1s42	22s 4	1s 8	2s53	1n32	7s32	2n38	22n40	0n36	23n16	0s24	8s21	9n39	21s39	21s32	13n33		n.a.

Julian Day Number = 1639332.5, Delta T = 03h37m19s
Ecliptic obliquity = 23°43'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'20, Lahiri = - 7°03'20 Julian Calendar 1 Apr. 225 BCE == Greg. Calendar 28 March 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

MAY 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 20 54	6♉12'23	28♑42	28♈17	8♈38	2°R34	10°R37	25°R27	20♋53	3♋57	18°R51	23°R28	24♑10	18♘21	n.a.	S 1
S 2	14 24 50	7° 9'44	12♒48	0♉24	9°50	2♐26	10♎31	25♎22	20°54	3°58	18♏49	23♑28	24° 6	18°27	n.a.	S 2
M 3	14 28 47	8° 7'04	26°59	2°33	11° 2	2°18	10°25	25°18	20°56	3°59	18°48	23°27	24° 3	18°34	n.a.	M 3
T 4	14 32 44	9° 4'24	11♓15	4°42	12°15	2° 9	10°19	25°14	20°58	4° 1	18°46	23°24	24° 0	18°41	n.a.	T 4
W 5	14 36 40	10° 1'42	25°32	6°53	13°27	1°59	10°13	25°10	20°59	4° 2	18°45	23°18	23°57	18°47	n.a.	W 5
T 6	14 40 37	10°59'01	9♈46	9° 4	14°39	1°49	10° 8	25° 6	21° 1	4° 4	18°43	23°10	23°54	18°54	n.a.	T 6
F 7	14 44 33	11°56'18	23°53	11°16	15°51	1°37	10° 2	25° 1	21° 3	4° 5	18°42	22°59	23°51	19° 1	n.a.	F 7
S 8	14 48 30	12°53'35	7♉49	13°27	17° 4	1°26	9°56	24°57	21° 5	4° 7	18°40	22°48	23°47	19° 7	n.a.	S 8
S 9	14 52 26	13°50'51	21°27	15°39	18°16	1°13	9°51	24°53	21° 7	4° 8	18°38	22°38	23°44	19°14	n.a.	S 9
M10	14 56 23	14°48'07	4♊47	17°51	19°28	1° 0	9°46	24°49	21° 9	4°10	18°37	22°29	23°41	19°21	n.a.	M10
T 11	15 0 19	15°45'21	17°45	20° 1	20°41	0°46	9°41	24°45	21°11	4°11	18°35	22°22	23°38	19°27	n.a.	T 11
W12	15 4 16	16°42'35	0♋23	22°11	21°53	0°32	9°36	24°41	21°13	4°13	18°34	22°17	23°35	19°34	n.a.	W12
T 13	15 8 13	17°39'48	12°43	24°20	23° 5	0°17	9°31	24°37	21°15	4°15	18°32	22°15	23°31	19°41	n.a.	T 13
F 14	15 12 9	18°37'00	24°48	26°27	24°18	0° 2	9°27	24°33	21°17	4°16	18°30	22°D15	23°28	19°47	n.a.	F 14
S 15	15 16 6	19°34'11	6♌43	28°33	25°30	29♏46	9°22	24°30	21°19	4°18	18°29	22°15	23°25	19°54	n.a.	S 15
S 16	15 20 2	20°31'22	18°33	0♊37	26°43	29°30	9°18	24°26	21°21	4°20	18°27	22°R16	23°22	20° 1	n.a.	S 16
M17	15 23 59	21°28'31	0♍23	2°39	27°55	29°14	9°14	24°22	21°24	4°21	18°26	22°15	23°19	20° 7	n.a.	M17
T 18	15 27 55	22°25'40	12°19	4°40	29° 8	28°57	9°10	24°18	21°26	4°23	18°24	22°13	23°16	20°14	n.a.	T 18
W19	15 31 52	23°22'48	24°25	6°38	0♉20	28°40	9° 6	24°15	21°28	4°25	18°22	22° 9	23°12	20°21	n.a.	W19
T 20	15 35 48	24°19'56	6♎45	8°35	1°33	28°22	9° 3	24°11	21°31	4°27	18°21	22° 3	23° 9	20°27	n.a.	T 20
F 21	15 39 45	25°17'03	19°22	10°29	2°45	28° 5	8°59	24° 8	21°33	4°29	18°19	21°54	23° 6	20°34	n.a.	F 21
S 22	15 43 42	26°14'09	2♏19	12°21	3°58	27°47	8°56	24° 4	21°35	4°30	18°18	21°45	23° 3	20°41	n.a.	S 22
S 23	15 47 38	27°11'15	15°35	14°11	5°11	27°29	8°53	24° 1	21°38	4°32	18°16	21°36	23° 0	20°47	n.a.	S 23
M24	15 51 35	28° 8'21	29° 9	15°59	6°23	27°11	8°50	23°58	21°40	4°34	18°15	21°28	22°57	20°54	n.a.	M24
T 25	15 55 31	29° 5'27	12♐59	17°44	7°36	26°52	8°47	23°55	21°43	4°36	18°13	21°21	22°53	21° 1	n.a.	T 25
W26	15 59 28	0♊ 2'32	27° 0	19°27	8°49	26°34	8°45	23°51	21°46	4°38	18°11	21°17	22°50	21° 7	n.a.	W26
T 27	16 3 24	0°59'38	11♑ 8	21° 8	10° 1	26°16	8°42	23°48	21°48	4°40	18°10	21°14	22°47	21°14	n.a.	T 27
F 28	16 7 21	1°56'43	25°22	22°47	11°14	25°58	8°40	23°45	21°51	4°42	18° 8	21°D14	22°44	21°21	n.a.	F 28
S 29	16 11 17	2°53'49	9♒36	24°23	12°27	25°40	8°38	23°42	21°54	4°44	18° 7	21°15	22°41	21°27	n.a.	S 29
S 30	16 15 14	3°50'55	23°49	25°58	13°40	25°22	8°36	23°40	21°56	4°46	18° 5	21°16	22°37	21°34	n.a.	S 30
M31	16 19 11	4♊48'01	7♓59	27♊29	14♉52	25♏ 4	8♎34	23♎37	21♋59	4♋48	18♏ 4	21°R16	22♑34	21♘41	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n45	20s13	0n28	10n27	0s35	1n55	1s41	22s 6	1s12	2s51	1n32	7s30	2n38	22n40	0n36	23n16	0s24	8s20	9n39	21s39	21s32	13n30		n.a.
S 2	14 4	15 34	1 41	11 22	0 24	2 24	1 41	22 8	1 16	2 48	1 32	7 29	2 38	22 40	0 36	23 16	0 24	8 20	9 39	21 39	21 33	13 27		n.a.
M 3	14 23	10 2	2 48	12 17	0 14	2 53	1 40	22 10	1 20	2 46	1 32	7 27	2 38	22 39	0 36	23 16	0 24	8 20	9 39	21 40	21 33	13 24		n.a.
T 4	14 41	3 58	3 45	13 12	0 3	3 22	1 39	22 12	1 24	2 44	1 31	7 26	2 38	22 39	0 36	23 16	0 24	8 19	9 39	21 40	21 34	13 22		n.a.
W 5	15 0	2n17	4 28	14 6	0n 8	3 51	1 39	22 14	1 28	2 42	1 31	7 24	2 38	22 39	0 36	23 16	0 24	8 19	9 39	21 41	21 34	13 19		n.a.
T 6	15 18	8 24	4 54	14 58	0 18	4 20	1 38	22 16	1 32	2 40	1 31	7 23	2 37	22 39	0 35	23 16	0 24	8 19	9 39	21 43	21 35	13 16		n.a.
F 7	15 36	14 2	5 2	15 50	0 28	4 49	1 37	22 18	1 36	2 38	1 31	7 22	2 37	22 38	0 35	23 16	0 24	8 18	9 39	21 44	21 36	13 13		n.a.
S 8	15 54	18 52	4 52	16 41	0 39	5 18	1 36	22 19	1 40	2 36	1 31	7 20	2 37	22 38	0 35	23 16	0 24	8 18	9 39	21 46	21 36	13 10		n.a.
S 9	16 11	22 36	4 25	17 29	0 48	5 47	1 35	22 21	1 44	2 34	1 30	7 19	2 37	22 38	0 35	23 16	0 24	8 18	9 39	21 48	21 37	13 7		n.a.
M10	16 28	25 1	3 44	18 16	0 57	6 15	1 34	22 22	1 48	2 32	1 30	7 17	2 37	22 37	0 35	23 16	0 24	8 17	9 39	21 49	21 37	13 5		n.a.
T 11	16 45	26 1	2 53	19 1	1 6	6 44	1 33	22 23	1 52	2 30	1 30	7 16	2 37	22 37	0 35	23 16	0 24	8 17	9 39	21 51	21 38	13 2		n.a.
W12	17 2	25 37	1 54	19 44	1 15	7 12	1 32	22 24	1 56	2 29	1 30	7 15	2 37	22 37	0 35	23 16	0 24	8 16	9 39	21 51	21 38	12 59		n.a.
T 13	17 18	23 57	0 51	20 24	1 22	7 40	1 31	22 25	2 0	2 27	1 29	7 13	2 37	22 36	0 35	23 16	0 24	8 16	9 39	21 52	21 39	12 56		n.a.
F 14	17 34	21 12	0s14	21 2	1 30	8 9	1 30	22 26	2 5	2 25	1 29	7 12	2 36	22 36	0 35	23 16	0 24	8 16	9 39	21 52	21 39	12 53		n.a.
S 15	17 50	17 35	1 17	21 38	1 36	8 37	1 28	22 26	2 9	2 24	1 29	7 11	2 36	22 36	0 35	23 16	0 24	8 15	9 39	21 52	21 40	12 50		n.a.
S 16	18 6	13 18	2 16	22 11	1 42	9 4	1 27	22 27	2 13	2 22	1 29	7 10	2 36	22 35	0 35	23 16	0 23	8 15	9 38	21 52	21 40	12 48		n.a.
M17	18 21	8 31	3 9	22 41	1 47	9 32	1 25	22 27	2 17	2 21	1 28	7 8	2 36	22 35	0 35	23 16	0 23	8 15	9 38	21 52	21 41	12 45		n.a.
T 18	18 36	3 24	3 55	23 9	1 51	9 59	1 24	22 27	2 21	2 20	1 28	7 7	2 36	22 34	0 35	23 16	0 23	8 15	9 38	21 52	21 42	12 42		n.a.
W19	18 50	1s53	4 31	23 34	1 55	10 26	1 22	22 27	2 25	2 19	1 28	7 6	2 36	22 34	0 35	23 16	0 23	8 14	9 38	21 53	21 42	12 39		n.a.
T 20	19 5	7 13	4 55	23 56	1 58	10 53	1 21	22 27	2 29	2 17	1 27	7 5	2 35	22 34	0 35	23 15	0 23	8 14	9 38	21 54	21 43	12 36		n.a.
F 21	19 19	12 22	5 5	24 16	2 1	11 20	1 19	22 27	2 33	2 16	1 27	7 4	2 35	22 33	0 35	23 15	0 23	8 14	9 38	21 55	21 43	12 33		n.a.
S 22	19 32	17 6	5 0	24 34	2 2	11 47	1 17	22 26	2 37	2 15	1 27	7 3	2 35	22 33	0 35	23 15	0 23	8 13	9 38	21 57	21 44	12 30		n.a.
S 23	19 46	21 9	4 39	24 49	2 3	12 13	1 16	22 26	2 41	2 14	1 27	7 2	2 35	22 32	0 35	23 15	0 23	8 13	9 38	21 58	21 44	12 27		n.a.
M24	19 59	24 9	4 2	25 1	2 3	12 39	1 14	22 25	2 44	2 13	1 26	7 1	2 35	22 32	0 35	23 15	0 23	8 13	9 37	21 59	21 45	12 25		n.a.
T 25	20 12	25 47	3 11	25 11	2 3	13 5	1 12	22 25	2 48	2 12	1 26	7 0	2 35	22 32	0 35	23 15	0 23	8 13	9 37	22 0	21 45	12 22		n.a.
W26	20 24	25 48	2 7	25 19	2 2	13 30	1 10	22 24	2 52	2 12	1 26	6 59	2 34	22 31	0 35	23 15	0 23	8 12	9 37	22 1	21 46	12 19		n.a.
T 27	20 36	24 9	0 54	25 25	2 0	13 55	1 8	22 23	2 55	2 11	1 26	6 58	2 34	22 31	0 35	23 15	0 23	8 12	9 37	22 1	21 46	12 16		n.a.
F 28	20 48	20 57	0n22	25 29	1 58	14 20	1 6	22 22	2 59	2 10	1 25	6 57	2 34	22 30	0 35	23 15	0 23	8 12	9 37	22 1	21 47	12 13		n.a.
S 29	20 59	16 30	1 37	25 31	1 54	14 44	1 4	22 21	3 2	2 10	1 25	6 56	2 34	22 30	0 35	23 15	0 23	8 12	9 37	22 1	21 47	12 10		n.a.
S 30	21 10	11 7	2 47	25 30	1 51	15 8	1 2	22 20	3 6	2 9	1 25	6 55	2 34	22 29	0 35	23 15	0 23	8 11	9 36	22 1	21 48	12 7		n.a.
M31	21n21	5s12	3n45	25n28	1n46	15n32	1s 0	22s19	3s 9	2s 9	1n24	6s54	2n33	22n29	0n35	23n15	0s23	8s11	9n36	22s 1	21s49	12n 4		n.a.

Julian Day Number = 1639362.5, Delta T = 03h37m18s
Ecliptic obliquity = 23°43'25, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'16, Lahiri = - 7°03'16 Julian Calendar 1 May 225 BCE == Greg. Calendar 27 Apr. 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

JUNE 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 23 7	5♊45'07	22♓ 4	28♊59	16♉ 5	24°R47	8°R33	23°R34	22♋ 2	4♋50	18°R 2	21°R15	22♑31	21♌47	n.a.	T 1
W 2	16 27 4	6°42'13	6♈ 4	0♋26	17°18	24♏30	8♎31	23♎31	22° 5	4°52	18♏ 1	21♑12	22°28	21°54	n.a.	W 2
T 3	16 31 0	7°39'20	19°55	1°51	18°31	24°13	8°30	23°29	22° 8	4°54	17°59	21° 7	22°25	22° 0	n.a.	T 3
F 4	16 34 57	8°36'27	3♉37	3°14	19°44	23°57	8°29	23°26	22°11	4°56	17°58	21° 1	22°22	22° 7	n.a.	F 4
S 5	16 38 53	9°33'35	17° 6	4°34	20°57	23°41	8°28	23°24	22°14	4°58	17°56	20°54	22°18	22°14	n.a.	S 5
S 6	16 42 50	10°30'43	0♊21	5°51	22°10	23°25	8°28	23°22	22°17	5° 0	17°55	20°48	22°15	22°20	n.a.	S 6
M 7	16 46 47	11°27'51	13°21	7° 7	23°23	23°10	8°27	23°19	22°20	5° 2	17°54	20°42	22°12	22°27	n.a.	M 7
T 8	16 50 43	12°25'00	26° 4	8°19	24°36	22°56	8°27	23°17	22°23	5° 4	17°52	20°38	22° 9	22°34	n.a.	T 8
W 9	16 54 40	13°22'08	8♋32	9°29	25°49	22°42	8°D27	23°15	22°26	5° 6	17°51	20°35	22° 6	22°40	n.a.	W 9
T 10	16 58 36	14°19'17	20°45	10°36	27° 2	22°29	8°27	23°13	22°29	5° 8	17°49	20°D35	22° 3	22°47	n.a.	T 10
F 11	17 2 33	15°16'26	2♌47	11°41	28°15	22°16	8°27	23°11	22°32	5°10	17°48	20°35	21°59	22°54	n.a.	F 11
S 12	17 6 29	16°13'35	14°40	12°42	29°28	22° 4	8°28	23° 9	22°35	5°12	17°47	20°37	21°56	23° 0	n.a.	S 12
S 13	17 10 26	17°10'44	26°30	13°41	0♊42	21°53	8°29	23° 8	22°38	5°14	17°45	20°38	21°53	23° 7	n.a.	S 13
M14	17 14 22	18° 7'53	8♍20	14°36	1°55	21°42	8°29	23° 6	22°42	5°17	17°44	20°40	21°50	23°14	n.a.	M14
T 15	17 18 19	19° 5'03	20°16	15°29	3° 8	21°33	8°30	23° 5	22°45	5°19	17°43	20°R40	21°47	23°20	n.a.	T 15
W16	17 22 16	20° 2'13	2♎22	16°18	4°21	21°23	8°32	23° 3	22°48	5°21	17°41	20°39	21°43	23°27	n.a.	W16
T 17	17 26 12	20°59'23	14°44	17° 3	5°34	21°15	8°33	23° 2	22°51	5°23	17°40	20°37	21°40	23°34	n.a.	T 17
F 18	17 30 9	21°56'33	27°24	17°45	6°48	21° 8	8°35	23° 0	22°55	5°25	17°39	20°34	21°37	23°40	n.a.	F 18
S 19	17 34 5	22°53'44	10♏26	18°23	8° 1	21° 1	8°36	22°59	22°58	5°27	17°38	20°30	21°34	23°47	n.a.	S 19
S 20	17 38 2	23°50'55	23°51	18°57	9°14	20°55	8°38	22°58	23° 1	5°30	17°36	20°26	21°31	23°54	n.a.	S 20
M21	17 41 58	24°48'07	7♐39	19°27	10°28	20°50	8°40	22°57	23° 5	5°32	17°35	20°23	21°28	24° 1	n.a.	M21
T 22	17 45 55	25°45'19	21°47	19°53	11°41	20°46	8°43	22°56	23° 8	5°34	17°34	20°20	21°24	24° 7	n.a.	T 22
W23	17 49 51	26°42'33	6♑11	20°14	12°55	20°43	8°45	22°55	23°12	5°36	17°33	20°18	21°21	24°14	n.a.	W23
T 24	17 53 48	27°39'47	20°46	20°31	14° 8	20°40	8°48	22°55	23°15	5°38	17°32	20°D18	21°18	24°21	n.a.	T 24
F 25	17 57 45	28°37'01	5♒24	20°43	15°22	20°38	8°50	22°54	23°18	5°41	17°31	20°18	21°15	24°27	n.a.	F 25
S 26	18 1 41	29°34'17	20° 1	20°51	16°35	20°37	8°53	22°54	23°22	5°43	17°30	20°19	21°12	24°34	n.a.	S 26
S 27	18 5 38	0♋31'34	4♓31	20°R53	17°49	20°D37	8°56	22°53	23°25	5°45	17°29	20°21	21° 9	24°41	n.a.	S 27
M28	18 9 34	1°28'52	18°50	20°50	19° 2	20°38	9° 0	22°53	23°29	5°47	17°28	20°22	21° 5	24°47	n.a.	M28
T 29	18 13 31	2°26'11	2♈56	20°42	20°16	20°39	9° 3	22°53	23°32	5°49	17°27	20°R22	21° 2	24°54	n.a.	T 29
W30	18 17 27	3♋23'32	16♈48	20♋30	21♊29	20♏42	9♎ 7	22♎52	23♋36	5♋52	17♏26	20♑21	20♑59	25♌ 1	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n31	0n57	4n30	25n25	1n42	15n56	0s58	22s18	3s12	2s 9	1n24	6s53	2n33	22n28	0n35	23n15	0s23	8s11	9n36	22s 1	21s49	12n 2		n.a.
W 2	21 41	6 59	4 58	25 19	1 36	16 19	0 56	22 16	3 15	2 8	1 24	6 53	2 33	22 28	0 35	23 15	0 23	8 11	9 36	22 2	21 50	11 59		n.a.
T 3	21 51	12 38	5 9	25 13	1 30	16 41	0 53	22 15	3 19	2 8	1 23	6 52	2 33	22 27	0 35	23 15	0 23	8 10	9 36	22 3	21 50	11 56		n.a.
F 4	22 0	17 35	5 2	25 4	1 23	17 3	0 51	22 14	3 21	2 8	1 23	6 51	2 32	22 27	0 35	23 15	0 23	8 10	9 35	22 4	21 51	11 53		n.a.
S 5	22 9	21 34	4 38	24 55	1 16	17 25	0 49	22 12	3 24	2 8	1 23	6 50	2 32	22 26	0 35	23 15	0 23	8 10	9 35	22 5	21 51	11 50		n.a.
S 6	22 17	24 21	3 59	24 44	1 8	17 46	0 47	22 11	3 27	2 8	1 23	6 50	2 32	22 26	0 35	23 15	0 23	8 10	9 35	22 6	21 52	11 47		n.a.
M 7	22 25	25 47	3 8	24 32	1 0	18 7	0 44	22 10	3 30	2 8	1 22	6 49	2 32	22 25	0 35	23 15	0 23	8 10	9 35	22 6	21 52	11 44		n.a.
T 8	22 33	25 49	2 9	24 19	0 52	18 28	0 42	22 8	3 32	2 8	1 22	6 49	2 32	22 25	0 35	23 14	0 23	8 10	9 34	22 7	21 53	11 41		n.a.
W 9	22 40	24 32	1 5	24 5	0 42	18 48	0 40	22 7	3 35	2 8	1 22	6 48	2 31	22 24	0 35	23 14	0 23	8 9	9 34	22 7	21 53	11 38		n.a.
T 10	22 47	22 5	0s 1	23 50	0 33	19 7	0 37	22 6	3 37	2 9	1 21	6 47	2 31	22 24	0 35	23 14	0 23	8 9	9 34	22 8	21 54	11 36		n.a.
F 11	22 54	18 42	1 6	23 35	0 22	19 26	0 35	22 5	3 39	2 9	1 21	6 47	2 31	22 23	0 35	23 14	0 23	8 9	9 34	22 7	21 54	11 33		n.a.
S 12	23 0	14 35	2 8	23 18	0 12	19 45	0 33	22 4	3 41	2 10	1 21	6 47	2 31	22 23	0 35	23 14	0 23	8 9	9 34	22 7	21 55	11 30		n.a.
S 13	23 6	9 57	3 4	23 1	0 1	20 3	0 30	22 3	3 43	2 10	1 20	6 46	2 30	22 22	0 35	23 14	0 23	8 9	9 33	22 7	21 55	11 27		n.a.
M14	23 11	4 58	3 52	22 44	0s11	20 20	0 28	22 2	3 45	2 11	1 20	6 46	2 30	22 22	0 35	23 14	0 23	8 9	9 33	22 7	21 56	11 24		n.a.
T 15	23 16	0s14	4 30	22 27	0 22	20 37	0 25	22 1	3 47	2 11	1 20	6 45	2 30	22 21	0 35	23 14	0 23	8 9	9 33	22 7	21 56	11 21		n.a.
W16	23 21	5 30	4 58	22 9	0 35	20 53	0 23	22 0	3 49	2 12	1 20	6 45	2 30	22 20	0 35	23 14	0 23	8 9	9 32	22 7	21 57	11 18		n.a.
T 17	23 25	10 39	5 12	21 51	0 47	21 9	0 20	21 59	3 50	2 13	1 19	6 45	2 29	22 20	0 35	23 14	0 23	8 9	9 32	22 7	21 57	11 15		n.a.
F 18	23 28	15 30	5 11	21 32	1 0	21 24	0 18	21 59	3 52	2 14	1 19	6 45	2 29	22 19	0 35	23 14	0 23	8 8	9 32	22 8	21 58	11 12		n.a.
S 19	23 32	19 47	4 55	21 14	1 13	21 39	0 15	21 58	3 53	2 15	1 19	6 44	2 29	22 19	0 35	23 14	0 23	8 8	9 32	22 8	21 58	11 9		n.a.
S 20	23 35	23 11	4 22	20 56	1 26	21 53	0 13	21 58	3 55	2 16	1 18	6 44	2 29	22 18	0 35	23 14	0 23	8 8	9 31	22 9	21 59	11 7		n.a.
M21	23 37	25 21	3 33	20 39	1 40	22 6	0 11	21 58	3 56	2 17	1 18	6 44	2 28	22 18	0 35	23 14	0 23	8 8	9 31	22 9	21 59	11 4		n.a.
T 22	23 39	25 58	2 30	20 21	1 54	22 19	0 8	21 57	3 57	2 18	1 18	6 44	2 28	22 17	0 35	23 13	0 23	8 8	9 31	22 10	22 0	11 1		n.a.
W23	23 41	24 51	1 17	20 5	2 7	22 31	0 6	21 58	3 58	2 19	1 17	6 44	2 28	22 16	0 35	23 13	0 23	8 8	9 30	22 10	22 0	10 58		n.a.
T 24	23 42	22 3	0n 3	19 48	2 21	22 43	0 3	21 58	3 59	2 21	1 17	6 44	2 28	22 16	0 35	23 13	0 23	8 8	9 30	22 10	22 1	10 55		n.a.
F 25	23 43	17 49	1 22	19 33	2 35	22 54	0 1	21 58	4 0	2 22	1 17	6 44	2 27	22 15	0 35	23 13	0 23	8 8	9 30	22 10	22 1	10 52		n.a.
S 26	23 43	12 30	2 37	19 18	2 49	23 4	0n 2	21 59	4 1	2 24	1 17	6 44	2 27	22 15	0 35	23 13	0 23	8 8	9 30	22 10	22 2	10 49		n.a.
S 27	23 43	6 33	3 40	19 5	3 2	23 14	0 4	21 59	4 1	2 25	1 16	6 44	2 27	22 14	0 35	23 13	0 23	8 8	9 29	22 10	22 2	10 46		n.a.
M28	23 43	0 21	4 29	18 52	3 15	23 23	0 7	22 0	4 2	2 27	1 16	6 44	2 26	22 13	0 35	23 13	0 23	8 8	9 29	22 10	22 3	10 43		n.a.
T 29	23 42	5n47	5 1	18 41	3 28	23 31	0 9	22 1	4 2	2 28	1 16	6 44	2 26	22 13	0 35	23 13	0 23	8 8	9 29	22 10	22 3	10 40		n.a.
W30	23n41	11n31	5n15	18n31	3s40	23n38	0n12	22s 2	4s 3	2s30	1n15	6s44	2n26	22n12	0n35	23n13	0s23	8s 8	9n28	22s10	22s 4	10n37		n.a.

Julian Day Number = 1639393.5, Delta T = 03h37m17s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'12, Lahiri = - 7°03'12 Julian Calendar 1 June 225 BCE == Greg. Calendar 28 May 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

JULY 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 21 24	4♋20'53	0♉24	20°R11	22♊43	20♏45	9♎11	22°D52	23♋40	5♋54	17°R25	20°R20	20♑56	25♌ 7	n.a.	T 1
F 2	18 25 21	5°18'16	13°46	19♋48	23°57	20°49	9°14	22♎52	23°43	5°56	17♏24	20♑19	20°53	25°14	n.a.	F 2
S 3	18 29 17	6°15'41	26°52	19°21	25°11	20°54	9°19	22°53	23°47	5°58	17°23	20°17	20°49	25°21	n.a.	S 3
S 4	18 33 14	7°13'06	9♊44	18°48	26°24	20°59	9°23	22°53	23°50	6° 1	17°22	20°15	20°46	25°27	n.a.	S 4
M 5	18 37 10	8°10'33	22°23	18°12	27°38	21° 6	9°27	22°53	23°54	6° 3	17°21	20°13	20°43	25°34	n.a.	M 5
T 6	18 41 7	9° 8'01	4♋48	17°32	28°52	21°13	9°32	22°54	23°58	6° 5	17°20	20°12	20°40	25°41	n.a.	T 6
W 7	18 45 3	10° 5'31	17° 3	16°49	0♌ 6	21°21	9°37	22°54	24° 1	6° 7	17°19	20°D12	20°37	25°47	n.a.	W 7
T 8	18 49 0	11° 3'01	29° 7	16° 3	1°20	21°30	9°42	22°55	24° 5	6°10	17°19	20°12	20°34	25°54	n.a.	T 8
F 9	18 52 56	12° 0'32	11♌ 3	15°16	2°34	21°40	9°47	22°55	24° 9	6°12	17°18	20°13	20°30	26° 1	n.a.	F 9
S 10	18 56 53	12°58'05	22°54	14°28	3°47	21°50	9°52	22°56	24°12	6°14	17°17	20°13	20°27	26° 7	n.a.	S 10
S 11	19 0 50	13°55'39	4♍43	13°40	5° 1	22° 1	9°57	22°57	24°16	6°16	17°16	20°14	20°24	26°14	n.a.	S 11
M12	19 4 46	14°53'13	16°33	12°52	6°15	22°13	10° 3	22°58	24°20	6°18	17°16	20°15	20°21	26°21	n.a.	M12
T 13	19 8 43	15°50'49	28°28	12° 7	7°29	22°25	10° 9	22°59	24°23	6°21	17°15	20°15	20°18	26°27	n.a.	T 13
W14	19 12 39	16°48'26	10♎33	11°24	8°43	22°39	10°14	23° 1	24°27	6°23	17°14	20°15	20°15	26°34	n.a.	W14
T 15	19 16 36	17°46'04	22°52	10°45	9°57	22°53	10°20	23° 2	24°31	6°25	17°14	20°R15	20°11	26°41	n.a.	T 15
F 16	19 20 32	18°43'43	5♏30	10°10	11°12	23° 7	10°27	23° 3	24°34	6°27	17°13	20°15	20° 8	26°47	n.a.	F 16
S 17	19 24 29	19°41'23	18°30	9°41	12°26	23°23	10°33	23° 5	24°38	6°29	17°13	20°15	20° 5	26°54	n.a.	S 17
S 18	19 28 25	20°39'05	1♐55	9°18	13°40	23°39	10°39	23° 6	24°42	6°32	17°12	20°D15	20° 2	27° 1	n.a.	S 18
M19	19 32 22	21°36'48	15°46	9° 1	14°54	23°56	10°46	23° 8	24°46	6°34	17°12	20°15	19°59	27° 7	n.a.	M19
T 20	19 36 19	22°34'32	0♑ 2	8°50	16° 8	24°13	10°53	23°10	24°49	6°36	17°11	20°15	19°55	27°14	n.a.	T 20
W21	19 40 15	23°32'18	14°39	8°D48	17°22	24°31	10°59	23°12	24°53	6°38	17°11	20°R15	19°52	27°21	n.a.	W21
T 22	19 44 12	24°30'05	29°32	8°52	18°37	24°49	11° 6	23°14	24°57	6°40	17°11	20°15	19°49	27°27	n.a.	T 22
F 23	19 48 8	25°27'54	14♒33	9° 5	19°51	25° 8	11°14	23°16	25° 1	6°42	17°10	20°15	19°46	27°34	n.a.	F 23
S 24	19 52 5	26°25'44	29°34	9°25	21° 5	25°28	11°21	23°18	25° 4	6°44	17°10	20°15	19°43	27°41	n.a.	S 24
S 25	19 56 1	27°23'36	14♓26	9°53	22°19	25°48	11°28	23°20	25° 8	6°47	17°10	20°14	19°40	27°47	n.a.	S 25
M26	19 59 58	28°21'30	29° 2	10°29	23°34	26° 9	11°36	23°22	25°12	6°49	17°10	20°13	19°36	27°54	n.a.	M26
T 27	20 3 54	29°19'26	13♈18	11°12	24°48	26°31	11°43	23°25	25°16	6°51	17° 9	20°12	19°33	28° 1	n.a.	T 27
W28	20 7 51	0♌17'24	27°12	12° 3	26° 2	26°53	11°51	23°27	25°19	6°53	17° 9	20°D12	19°30	28° 7	n.a.	W28
T 29	20 11 48	1°15'24	10♉44	13° 1	27°17	27°15	11°59	23°30	25°23	6°55	17° 9	20°12	19°27	28°14	n.a.	T 29
F 30	20 15 44	2°13'26	23°54	14° 5	28°31	27°38	12° 7	23°32	25°27	6°57	17° 9	20°13	19°24	28°21	n.a.	F 30
S 31	20 19 41	3♌11'30	6♊45	15♋17	29♋46	28♏ 1	12♎15	23♎35	25♋30	6♋59	17♏ 9	20♑14	19♑21	28♌27	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23n39	16n35	5n11	18n22	3s52	23n45	0n14	22s 3	4s 3	2s32	1n15	6s45	2n26	22n12	0n35	23n13	0s23	8s 8	9n28	22s10	22s 4	10n34			n.a.
F 2	23 37	20 45	4 50	18 14	4 3	23 51	0 16	22 5	4 4	2 34	1 15	6 45	2 25	22 11	0 35	23 13	0 23	8 8	9 28	22 10	22 5	10 32			n.a.
S 3	23 34	23 48	4 14	18 9	4 12	23 57	0 19	22 6	4 4	2 36	1 15	6 45	2 25	22 10	0 35	23 13	0 23	8 9	9 27	22 10	22 5	10 29			n.a.
S 4	23 31	25 34	3 26	18 5	4 21	24 2	0 21	22 8	4 4	2 37	1 14	6 46	2 25	22 10	0 35	23 12	0 23	8 9	9 27	22 11	22 6	10 26			n.a.
M 5	23 28	25 58	2 28	18 2	4 28	24 6	0 23	22 10	4 4	2 40	1 14	6 46	2 25	22 9	0 35	23 12	0 23	8 9	9 27	22 11	22 6	10 23			n.a.
T 6	23 24	25 2	1 24	18 1	4 34	24 9	0 26	22 12	4 4	2 42	1 14	6 46	2 24	22 8	0 35	23 12	0 23	8 9	9 26	22 11	22 7	10 20			n.a.
W 7	23 20	22 55	0 17	18 2	4 39	24 11	0 28	22 14	4 4	2 44	1 13	6 47	2 24	22 8	0 35	23 12	0 23	8 9	9 26	22 11	22 7	10 17			n.a.
T 8	23 15	19 46	0s49	18 5	4 42	24 13	0 30	22 16	4 4	2 46	1 13	6 47	2 24	22 7	0 35	23 12	0 23	8 9	9 26	22 11	22 8	10 14			n.a.
F 9	23 10	15 51	1 53	18 9	4 43	24 14	0 32	22 19	4 4	2 48	1 13	6 48	2 24	22 6	0 35	23 12	0 23	8 9	9 25	22 11	22 8	10 11			n.a.
S 10	23 5	11 20	2 52	18 15	4 42	24 15	0 35	22 21	4 4	2 51	1 13	6 48	2 23	22 6	0 35	23 12	0 23	8 9	9 25	22 11	22 9	10 8			n.a.
S 11	22 59	6 27	3 43	18 23	4 40	24 14	0 37	22 24	4 4	2 53	1 12	6 49	2 23	22 5	0 35	23 12	0 23	8 10	9 24	22 11	22 9	10 5			n.a.
M12	22 53	1 19	4 24	18 32	4 35	24 13	0 39	22 27	4 3	2 55	1 12	6 50	2 23	22 4	0 35	23 12	0 23	8 10	9 24	22 11	22 10	10 2			n.a.
T 13	22 46	3s53	4 55	18 42	4 29	24 12	0 41	22 30	4 3	2 58	1 12	6 50	2 22	22 4	0 35	23 12	0 23	8 10	9 24	22 11	22 10	9 59			n.a.
W14	22 39	9 1	5 13	18 54	4 21	24 9	0 43	22 33	4 3	3 0	1 11	6 51	2 22	22 3	0 35	23 11	0 23	8 10	9 23	22 11	22 11	9 56			n.a.
T 15	22 32	13 53	5 17	19 6	4 11	24 6	0 45	22 37	4 2	3 3	1 11	6 52	2 22	22 2	0 35	23 11	0 23	8 10	9 23	22 11	22 11	9 53			n.a.
F 16	22 24	18 19	5 6	19 20	4 0	24 2	0 47	22 40	4 2	3 6	1 11	6 52	2 22	22 2	0 35	23 11	0 23	8 11	9 23	22 11	22 12	9 50			n.a.
S 17	22 16	22 1	4 40	19 35	3 48	23 57	0 49	22 44	4 1	3 9	1 11	6 53	2 21	22 1	0 35	23 11	0 23	8 11	9 22	22 11	22 12	9 47			n.a.
S 18	22 7	24 40	3 58	19 50	3 34	23 51	0 51	22 47	4 1	3 11	1 10	6 54	2 21	22 0	0 35	23 11	0 23	8 11	9 22	22 11	22 13	9 45			n.a.
M19	21 58	25 56	3 0	20 6	3 19	23 45	0 53	22 51	4 0	3 14	1 10	6 55	2 21	22 0	0 35	23 11	0 23	8 11	9 21	22 11	22 13	9 42			n.a.
T 20	21 48	25 33	1 50	20 22	3 4	23 38	0 55	22 55	4 0	3 17	1 10	6 56	2 21	21 59	0 35	23 11	0 23	8 11	9 21	22 11	22 13	9 39			n.a.
W21	21 39	23 25	0 31	20 38	2 48	23 31	0 56	22 59	3 59	3 20	1 10	6 57	2 20	21 58	0 35	23 11	0 23	8 12	9 21	22 10	22 14	9 36			n.a.
T 22	21 28	19 39	0n51	20 55	2 31	23 22	0 58	23 3	3 58	3 23	1 9	6 58	2 20	21 58	0 35	23 11	0 23	8 12	9 20	22 10	22 14	9 33			n.a.
F 23	21 18	14 34	2 11	21 11	2 14	23 13	1 0	23 7	3 58	3 26	1 9	6 59	2 20	21 57	0 35	23 11	0 23	8 12	9 20	22 11	22 15	9 30			n.a.
S 24	21 7	8 37	3 21	21 27	1 57	23 4	1 2	23 11	3 57	3 29	1 9	7 0	2 20	21 56	0 35	23 10	0 22	8 13	9 20	22 11	22 15	9 27			n.a.
S 25	20 56	2 15	4 17	21 42	1 40	22 53	1 3	23 15	3 56	3 32	1 9	7 1	2 19	21 56	0 35	23 10	0 22	8 13	9 19	22 11	22 16	9 24			n.a.
M26	20 44	4n 7	4 56	21 56	1 23	22 42	1 5	23 20	3 55	3 35	1 8	7 2	2 19	21 55	0 35	23 10	0 22	8 13	9 19	22 11	22 16	9 21			n.a.
T 27	20 32	10 8	5 15	22 9	1 6	22 30	1 6	23 24	3 54	3 39	1 8	7 3	2 19	21 54	0 35	23 10	0 22	8 13	9 18	22 11	22 17	9 18			n.a.
W28	20 20	15 29	5 15	22 21	0 49	22 18	1 8	23 28	3 54	3 42	1 8	7 4	2 19	21 54	0 35	23 10	0 22	8 14	9 18	22 11	22 17	9 15			n.a.
T 29	20 7	19 55	4 57	22 31	0 33	22 5	1 9	23 33	3 53	3 45	1 8	7 5	2 18	21 53	0 35	23 10	0 22	8 14	9 18	22 11	22 18	9 12			n.a.
F 30	19 54	23 14	4 24	22 40	0 18	21 51	1 10	23 37	3 52	3 49	1 7	7 7	2 18	21 52	0 35	23 10	0 22	8 15	9 17	22 11	22 18	9 9			n.a.
S 31	19n40	25n17	3n38	22n47	0s 3	21n36	1n12	23s42	3s51	3s52	1n 7	7s 8	2n18	21n52	0n35	23n10	0s22	8s15	9n17	22s11	22s19	9n 6			n.a.

Julian Day Number = 1639423.5, Delta T = 03h37m16s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'08, Lahiri = - 7°03'07 Julian Calendar 1 July 225 BCE == Greg. Calendar 27 June 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

AUGUST 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 23 37	4♌ 9'37	19♊20	16♋34	1♌ 0	28♏25	12♎24	23♎38	25♋34	7♋ 1	17°R 9	20♑15	19♑17	28♌34	n.a.	S 1
M 2	20 27 34	5° 7'45	1♋42	17°57	2°15	28°50	12°32	23°41	25°38	7° 3	17°D 9	20°16	19°14	28°41	n.a.	M 2
T 3	20 31 30	6° 5'55	13°52	19°25	3°29	29°15	12°40	23°44	25°42	7° 5	17♏ 9	20°17	19°11	28°47	n.a.	T 3
W 4	20 35 27	7° 4'07	25°54	20°58	4°44	29°40	12°49	23°47	25°45	7° 7	17° 9	20°R17	19° 8	28°54	n.a.	W 4
T 5	20 39 23	8° 2'21	7♌50	22°35	5°59	0♐ 6	12°58	23°50	25°49	7° 9	17° 9	20°16	19° 5	29° 1	n.a.	T 5
F 6	20 43 20	9° 0'37	19°41	24°16	7°13	0°32	13° 7	23°54	25°53	7°11	17° 9	20°14	19° 1	29° 8	n.a.	F 6
S 7	20 47 17	9°58'54	1♍30	26° 0	8°28	0°59	13°16	23°57	25°56	7°13	17° 9	20°12	18°58	29°14	n.a.	S 7
S 8	20 51 13	10°57'13	13°19	27°46	9°42	1°26	13°25	24° 0	26° 0	7°15	17° 9	20° 8	18°55	29°21	n.a.	S 8
M 9	20 55 10	11°55'35	25°11	29°35	10°57	1°54	13°34	24° 4	26° 4	7°17	17°10	20° 5	18°52	29°28	n.a.	M 9
T 10	20 59 6	12°53'57	7♎ 7	1♌25	12°12	2°22	13°43	24° 7	26° 7	7°19	17°10	20° 1	18°49	29°34	n.a.	T 10
W11	21 3 3	13°52'22	19°12	3°17	13°26	2°50	13°53	24°11	26°11	7°21	17°10	19°59	18°46	29°41	n.a.	W11
T 12	21 6 59	14°50'48	1♏30	5°10	14°41	3°19	14° 2	24°15	26°14	7°22	17°10	19°57	18°42	29°48	n.a.	T 12
F 13	21 10 56	15°49'17	14° 4	7° 3	15°56	3°48	14°12	24°19	26°18	7°24	17°11	19°D56	18°39	29°54	n.a.	F 13
S 14	21 14 52	16°47'47	26°57	8°57	17°11	4°18	14°22	24°23	26°22	7°26	17°11	19°56	18°36	0♍ 1	n.a.	S 14
S 15	21 18 49	17°46'18	10♐15	10°51	18°25	4°48	14°32	24°27	26°25	7°28	17°12	19°57	18°33	0° 8	n.a.	S 15
M16	21 22 46	18°44'52	23°59	12°45	19°40	5°18	14°41	24°31	26°29	7°30	17°12	19°59	18°30	0°14	n.a.	M16
T 17	21 26 42	19°43'27	8♑ 9	14°38	20°55	5°49	14°51	24°35	26°32	7°32	17°12	20° 0	18°26	0°21	n.a.	T 17
W18	21 30 39	20°42'04	22°46	16°31	22°10	6°20	15° 2	24°39	26°36	7°33	17°13	20°R 1	18°23	0°28	n.a.	W18
T 19	21 34 35	21°40'43	7♒44	18°24	23°25	6°51	15°12	24°43	26°39	7°35	17°14	20° 0	18°20	0°34	n.a.	T 19
F 20	21 38 32	22°39'24	22°56	20°15	24°39	7°23	15°22	24°48	26°43	7°37	17°14	19°57	18°17	0°41	n.a.	F 20
S 21	21 42 28	23°38'07	8♓12	22° 7	25°54	7°55	15°33	24°52	26°46	7°38	17°15	19°53	18°14	0°48	n.a.	S 21
S 22	21 46 25	24°36'52	23°22	23°57	27° 9	8°27	15°43	24°57	26°50	7°40	17°15	19°48	18°11	0°54	n.a.	S 22
M23	21 50 21	25°35'39	8♈16	25°46	28°24	9° 0	15°54	25° 1	26°53	7°42	17°16	19°43	18° 7	1° 1	n.a.	M23
T 24	21 54 18	26°34'28	22°47	27°35	29°39	9°32	16° 4	25° 6	26°56	7°43	17°17	19°39	18° 4	1° 8	n.a.	T 24
W25	21 58 14	27°33'20	6♉51	29°23	0♍54	10° 5	16°15	25°11	27° 0	7°45	17°17	19°35	18° 1	1°14	n.a.	W25
T 26	22 2 11	28°32'15	20°26	1♍10	2° 9	10°39	16°26	25°15	27° 3	7°46	17°18	19°33	17°58	1°21	n.a.	T 26
F 27	22 6 8	29°31'12	3♊35	2°55	3°24	11°13	16°37	25°20	27° 6	7°48	17°19	19°D33	17°55	1°28	n.a.	F 27
S 28	22 10 4	0♍30'11	16°21	4°40	4°39	11°46	16°48	25°25	27°10	7°49	17°20	19°34	17°52	1°34	n.a.	S 28
S 29	22 14 1	1°29'13	28°47	6°25	5°54	12°21	16°59	25°30	27°13	7°51	17°21	19°36	17°48	1°41	n.a.	S 29
M30	22 17 57	2°28'17	10♋58	8° 8	7° 9	12°55	17°10	25°35	27°16	7°52	17°22	19°37	17°45	1°48	n.a.	M30
T 31	22 21 54	3♍27'24	22♋58	9♍50	8♍24	13♐30	17♎22	25♎40	27♋19	7♋54	17♏23	19°R37	17♑42	1♍55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19n27	26n 0	2n43	22n51	0n10	21n21	1n13	23s47	3s50	3s56	1n 7	7s 9	2n17	21n51	0n35	23n10	0s22	8s15	9n16	22s11	22s19	9n 3			n.a.
M 2	19 13	25 24	1 41	22 53	0 23	21 6	1 14	23 51	3 49	3 59	1 7	7 11	2 17	21 50	0 35	23 10	0 22	8 16	9 16	22 10	22 19	9 0			n.a.
T 3	18 58	23 35	0 35	22 53	0 36	20 49	1 15	23 56	3 48	4 3	1 6	7 12	2 17	21 50	0 35	23 9	0 22	8 16	9 16	22 10	22 20	8 57			n.a.
W 4	18 43	20 43	0s31	22 50	0 47	20 32	1 16	24 1	3 47	4 6	1 6	7 13	2 17	21 49	0 35	23 9	0 22	8 16	9 15	22 10	22 20	8 54			n.a.
T 5	18 28	17 0	1 35	22 45	0 57	20 15	1 17	24 5	3 46	4 10	1 6	7 15	2 17	21 48	0 35	23 9	0 22	8 17	9 15	22 10	22 21	8 51			n.a.
F 6	18 13	12 38	2 35	22 36	1 6	19 57	1 18	24 10	3 45	4 14	1 6	7 16	2 16	21 48	0 35	23 9	0 22	8 17	9 14	22 11	22 21	8 48			n.a.
S 7	17 57	7 50	3 28	22 25	1 15	19 38	1 19	24 15	3 44	4 17	1 6	7 18	2 16	21 47	0 35	23 9	0 22	8 18	9 14	22 11	22 22	8 45			n.a.
S 8	17 41	2 45	4 12	22 12	1 22	19 19	1 20	24 19	3 43	4 21	1 5	7 19	2 16	21 46	0 35	23 9	0 22	8 18	9 14	22 12	22 22	8 42			n.a.
M 9	17 25	2s25	4 45	21 55	1 29	18 59	1 20	24 24	3 42	4 25	1 5	7 21	2 16	21 45	0 35	23 9	0 22	8 19	9 13	22 12	22 23	8 39			n.a.
T 10	17 8	7 32	5 6	21 36	1 34	18 38	1 21	24 29	3 40	4 29	1 5	7 22	2 15	21 45	0 35	23 9	0 22	8 19	9 13	22 13	22 23	8 37			n.a.
W11	16 52	12 26	5 14	21 15	1 39	18 17	1 22	24 33	3 39	4 33	1 5	7 24	2 15	21 44	0 35	23 9	0 22	8 19	9 12	22 13	22 24	8 34			n.a.
T 12	16 34	16 56	5 8	20 51	1 42	17 56	1 22	24 38	3 38	4 37	1 4	7 25	2 15	21 43	0 35	23 9	0 22	8 20	9 12	22 13	22 24	8 31			n.a.
F 13	16 17	20 48	4 47	20 25	1 45	17 34	1 23	24 43	3 37	4 41	1 4	7 27	2 15	21 43	0 35	23 8	0 22	8 20	9 12	22 13	22 24	8 28			n.a.
S 14	15 59	23 47	4 11	19 57	1 47	17 11	1 23	24 47	3 36	4 45	1 4	7 29	2 14	21 42	0 35	23 8	0 22	8 21	9 11	22 13	22 25	8 25			n.a.
S 15	15 41	25 34	3 21	19 27	1 48	16 49	1 24	24 52	3 35	4 49	1 4	7 30	2 14	21 41	0 35	23 8	0 22	8 21	9 11	22 13	22 25	8 22			n.a.
M16	15 23	25 53	2 18	18 56	1 49	16 25	1 24	24 56	3 33	4 53	1 4	7 32	2 14	21 41	0 35	23 8	0 22	8 22	9 10	22 13	22 26	8 19			n.a.
T 17	15 5	24 33	1 5	18 22	1 49	16 1	1 24	25 1	3 32	4 57	1 3	7 34	2 14	21 40	0 35	23 8	0 22	8 22	9 10	22 13	22 26	8 16			n.a.
W18	14 46	21 32	0n15	17 47	1 48	15 37	1 24	25 5	3 31	5 1	1 3	7 36	2 13	21 39	0 35	23 8	0 22	8 23	9 10	22 13	22 27	8 13			n.a.
T 19	14 27	17 1	1 36	17 11	1 47	15 12	1 25	25 9	3 30	5 5	1 3	7 37	2 13	21 39	0 35	23 8	0 22	8 23	9 9	22 13	22 27	8 10			n.a.
F 20	14 8	11 21	2 50	16 34	1 45	14 47	1 25	25 13	3 28	5 9	1 3	7 39	2 13	21 38	0 35	23 8	0 22	8 24	9 9	22 13	22 27	8 7			n.a.
S 21	13 48	5 0	3 53	15 55	1 43	14 21	1 25	25 18	3 27	5 14	1 3	7 41	2 13	21 38	0 35	23 8	0 22	8 25	9 8	22 14	22 28	8 4			n.a.
S 22	13 28	1n36	4 39	15 16	1 40	13 55	1 24	25 22	3 26	5 18	1 2	7 43	2 13	21 37	0 35	23 8	0 22	8 25	9 8	22 15	22 28	8 1			n.a.
M23	13 8	7 59	5 5	14 35	1 37	13 29	1 24	25 26	3 25	5 22	1 2	7 45	2 12	21 36	0 35	23 8	0 22	8 26	9 8	22 15	22 29	7 58			n.a.
T 24	12 48	13 45	5 11	13 54	1 33	13 2	1 24	25 30	3 23	5 26	1 2	7 47	2 12	21 36	0 35	23 7	0 22	8 26	9 7	22 16	22 29	7 55			n.a.
W25	12 28	18 38	4 57	13 13	1 29	12 35	1 24	25 33	3 22	5 31	1 2	7 49	2 12	21 35	0 35	23 7	0 22	8 27	9 7	22 16	22 30	7 52			n.a.
T 26	12 7	22 21	4 27	12 30	1 24	12 8	1 23	25 37	3 21	5 35	1 2	7 51	2 12	21 34	0 35	23 7	0 22	8 27	9 6	22 17	22 30	7 49			n.a.
F 27	11 47	24 47	3 44	11 47	1 20	11 40	1 23	25 41	3 19	5 40	1 2	7 53	2 12	21 34	0 35	23 7	0 22	8 28	9 6	22 17	22 31	7 46			n.a.
S 28	11 26	25 51	2 51	11 4	1 15	11 12	1 23	25 44	3 18	5 44	1 1	7 55	2 11	21 33	0 35	23 7	0 22	8 29	9 6	22 17	22 31	7 43			n.a.
S 29	11 4	25 34	1 51	10 20	1 10	10 44	1 22	25 47	3 17	5 49	1 1	7 57	2 11	21 32	0 35	23 7	0 22	8 29	9 5	22 16	22 31	7 40			n.a.
M30	10 43	24 3	0 47	9 36	1 4	10 15	1 21	25 51	3 15	5 53	1 1	7 59	2 11	21 32	0 35	23 7	0 22	8 30	9 5	22 16	22 32	7 37			n.a.
T 31	10n21	21n27	0s18	8n52	0n58	9n46	1n21	25s54	3s14	5s58	1n 1	8s 1	2n11	21n31	0n35	23n 7	0s22	8s30	9n 4	22s16	22s32	7n34			n.a.

Julian Day Number = 1639454.5, Delta T = 03h37m15s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°10'04, Lahiri = - 7°03'03 Julian Calendar 1 Aug. 225 BCE == Greg. Calendar 28 July 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

SEPTEMBER 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 25 50	4♍26'33	4♌52	11♍31	9♍39	14♐ 5	17♎33	25♎46	27♋22	7♋55	17♏23	19°R36	17♑39	2♍ 1	n.a.	W 1
T 2	22 29 47	5°25'44	16°42	13°12	10°54	14°40	17°44	25°51	27°26	7°57	17°24	19♑32	17°36	2° 8	n.a.	T 2
F 3	22 33 43	6°24'57	28°31	14°52	12° 9	15°15	17°56	25°56	27°29	7°58	17°25	19°27	17°32	2°15	n.a.	F 3
S 4	22 37 40	7°24'12	10♍21	16°30	13°24	15°51	18° 7	26° 2	27°32	7°59	17°26	19°19	17°29	2°21	n.a.	S 4
S 5	22 41 37	8°23'30	22°13	18° 8	14°39	16°27	18°19	26° 7	27°35	8° 1	17°28	19°10	17°26	2°28	n.a.	S 5
M 6	22 45 33	9°22'49	4♎10	19°46	15°54	17° 3	18°31	26°12	27°38	8° 2	17°29	19° 0	17°23	2°35	n.a.	M 6
T 7	22 49 30	10°22'11	16°13	21°22	17° 9	17°39	18°42	26°18	27°41	8° 3	17°30	18°50	17°20	2°41	n.a.	T 7
W 8	22 53 26	11°21'35	28°23	22°58	18°24	18°16	18°54	26°24	27°44	8° 4	17°31	18°41	17°17	2°48	n.a.	W 8
T 9	22 57 23	12°21'00	10♏44	24°33	19°39	18°52	19° 6	26°29	27°47	8° 6	17°32	18°35	17°13	2°55	n.a.	T 9
F 10	23 1 19	13°20'28	23°18	26° 7	20°54	19°29	19°18	26°35	27°50	8° 7	17°33	18°30	17°10	3° 1	n.a.	F 10
S 11	23 5 16	14°19'58	6♐ 8	27°40	22° 9	20° 6	19°30	26°41	27°53	8° 8	17°35	18°28	17° 7	3° 8	n.a.	S 11
S 12	23 9 12	15°19'29	19°18	29°13	23°24	20°44	19°42	26°46	27°55	8° 9	17°36	18°D28	17° 4	3°15	n.a.	S 12
M13	23 13 9	16°19'02	2♑51	0♎45	24°39	21°21	19°54	26°52	27°58	8°10	17°37	18°29	17° 1	3°21	n.a.	M13
T 14	23 17 6	17°18'38	16°49	2°17	25°54	21°59	20° 7	26°58	28° 1	8°11	17°39	18°R29	16°58	3°28	n.a.	T 14
W15	23 21 2	18°18'15	1♒13	3°47	27° 9	22°37	20°19	27° 4	28° 4	8°12	17°40	18°29	16°54	3°35	n.a.	W15
T 16	23 24 59	19°17'53	16° 0	5°17	28°24	23°15	20°31	27°10	28° 6	8°13	17°41	18°26	16°51	3°41	n.a.	T 16
F 17	23 28 55	20°17'34	1♓ 5	6°46	29°39	23°53	20°44	27°16	28° 9	8°14	17°43	18°21	16°48	3°48	n.a.	F 17
S 18	23 32 52	21°17'17	16°20	8°15	0♎54	24°31	20°56	27°22	28°12	8°15	17°44	18°13	16°45	3°55	n.a.	S 18
S 19	23 36 48	22°17'01	1♈35	9°43	2°10	25° 9	21° 9	27°28	28°14	8°16	17°46	18° 4	16°42	4° 2	n.a.	S 19
M20	23 40 45	23°16'48	16°37	11°10	3°25	25°48	21°21	27°35	28°17	8°17	17°47	17°54	16°38	4° 8	n.a.	M20
T 21	23 44 41	24°16'37	1♉18	12°36	4°40	26°27	21°34	27°41	28°19	8°18	17°49	17°44	16°35	4°15	n.a.	T 21
W22	23 48 38	25°16'28	15°32	14° 2	5°55	27° 6	21°46	27°47	28°22	8°18	17°50	17°36	16°32	4°22	n.a.	W22
T 23	23 52 34	26°16'22	29°16	15°27	7°10	27°45	21°59	27°53	28°24	8°19	17°52	17°31	16°29	4°28	n.a.	T 23
F 24	23 56 31	27°16'18	12♊30	16°51	8°25	28°24	22°12	28° 0	28°26	8°20	17°53	17°28	16°26	4°35	n.a.	F 24
S 25	0 0 28	28°16'17	25°18	18°14	9°40	29° 3	22°24	28° 6	28°29	8°21	17°55	17°D27	16°23	4°42	n.a.	S 25
S 26	0 4 24	29°16'17	7♋43	19°36	10°55	29°42	22°37	28°13	28°31	8°21	17°57	17°27	16°19	4°48	n.a.	S 26
M27	0 8 21	0♎16'20	19°52	20°58	12°10	0♑22	22°50	28°19	28°33	8°22	17°58	17°R27	16°16	4°55	n.a.	M27
T 28	0 12 17	1°16'25	1♌49	22°18	13°25	1° 2	23° 3	28°26	28°35	8°22	18° 0	17°26	16°13	5° 2	n.a.	T 28
W29	0 16 14	2°16'33	13°39	23°37	14°40	1°41	23°16	28°32	28°38	8°23	18° 2	17°23	16°10	5° 8	n.a.	W29
T 30	0 20 10	3♎16'42	25♌27	24♎55	15♎56	2♑21	23♎29	28♎39	28♋40	8♋24	18♏ 3	17♑18	16♑ 7	5♍15	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n 0	17n57	1s22	8n 8	0n52	9n17	1n20	25s57	3s13	6s 2	1n 1	8s 3	2n11	21n31	0n35	23n 7	0s22	8s31	9n 4	22s16	22s33	7n31		n.a.
T 2	9 38	13 47	2 21	7 23	0 46	8 47	1 19	26 0	3 11	6 7	1 1	8 5	2 10	21 30	0 35	23 7	0 22	8 32	9 4	22 17	22 33	7 28		n.a.
F 3	9 16	9 6	3 14	6 39	0 40	8 18	1 18	26 2	3 10	6 11	1 0	8 7	2 10	21 29	0 35	23 7	0 22	8 32	9 3	22 18	22 33	7 25		n.a.
S 4	8 54	4 6	3 59	5 54	0 34	7 48	1 18	26 5	3 9	6 16	1 0	8 9	2 10	21 29	0 35	23 6	0 22	8 33	9 3	22 19	22 34	7 22		n.a.
S 5	8 31	1s 3	4 33	5 10	0 27	7 17	1 17	26 8	3 7	6 20	1 0	8 11	2 10	21 28	0 35	23 6	0 22	8 34	9 3	22 20	22 34	7 19		n.a.
M 6	8 9	6 11	4 56	4 25	0 21	6 47	1 16	26 10	3 6	6 25	1 0	8 13	2 10	21 28	0 35	23 6	0 22	8 34	9 2	22 22	22 35	7 16		n.a.
T 7	7 46	11 8	5 6	3 40	0 14	6 17	1 15	26 12	3 4	6 30	1 0	8 16	2 9	21 27	0 36	23 6	0 22	8 35	9 2	22 23	22 35	7 13		n.a.
W 8	7 23	15 43	5 2	2 56	0 7	5 46	1 13	26 14	3 3	6 34	1 0	8 18	2 9	21 26	0 36	23 6	0 22	8 36	9 1	22 24	22 36	7 10		n.a.
T 9	7 0	19 42	4 44	2 12	0 0	5 15	1 12	26 16	3 2	6 39	0 59	8 20	2 9	21 26	0 36	23 6	0 22	8 36	9 1	22 25	22 36	7 7		n.a.
F 10	6 37	22 52	4 12	1 28	0s 7	4 44	1 11	26 18	3 0	6 44	0 59	8 22	2 9	21 25	0 36	23 6	0 22	8 37	9 1	22 26	22 36	7 4		n.a.
S 11	6 14	24 59	3 27	0 44	0 14	4 13	1 10	26 19	2 59	6 49	0 59	8 24	2 9	21 25	0 36	23 6	0 22	8 38	9 0	22 26	22 37	7 1		n.a.
S 12	5 51	25 46	2 30	0 0	0 20	3 42	1 8	26 21	2 57	6 53	0 59	8 27	2 9	21 24	0 36	23 6	0 22	8 38	9 0	22 26	22 37	6 58		n.a.
M13	5 28	25 4	1 23	0s43	0 27	3 10	1 7	26 22	2 56	6 58	0 59	8 29	2 8	21 24	0 36	23 6	0 22	8 39	9 0	22 26	22 38	6 55		n.a.
T 14	5 4	22 48	0 9	1 26	0 34	2 39	1 5	26 23	2 54	7 3	0 59	8 31	2 8	21 23	0 36	23 6	0 22	8 40	8 59	22 26	22 38	6 52		n.a.
W15	4 41	19 2	1n 8	2 9	0 41	2 7	1 4	26 24	2 53	7 8	0 59	8 34	2 8	21 23	0 36	23 6	0 22	8 40	8 59	22 26	22 38	6 49		n.a.
T 16	4 17	13 59	2 21	2 52	0 48	1 35	1 2	26 24	2 52	7 12	0 58	8 36	2 8	21 22	0 36	23 6	0 22	8 41	8 59	22 26	22 39	6 46		n.a.
F 17	3 53	8 0	3 27	3 34	0 55	1 4	1 1	26 25	2 50	7 17	0 58	8 38	2 8	21 22	0 36	23 6	0 22	8 42	8 58	22 27	22 39	6 43		n.a.
S 18	3 30	1 30	4 18	4 16	1 2	0 32	0 59	26 25	2 49	7 22	0 58	8 41	2 8	21 21	0 36	23 6	0 22	8 43	8 58	22 28	22 40	6 40		n.a.
S 19	3 6	5n 4	4 51	4 57	1 9	0 0	0 57	26 25	2 47	7 27	0 58	8 43	2 8	21 21	0 36	23 5	0 22	8 43	8 58	22 29	22 40	6 37		n.a.
M20	2 42	11 15	5 3	5 38	1 16	0s32	0 55	26 25	2 46	7 32	0 58	8 45	2 7	21 20	0 36	23 5	0 22	8 44	8 57	22 31	22 40	6 34		n.a.
T 21	2 18	16 40	4 55	6 18	1 22	1 3	0 54	26 25	2 44	7 37	0 58	8 48	2 7	21 20	0 36	23 5	0 22	8 45	8 57	22 32	22 41	6 31		n.a.
W22	1 54	20 57	4 28	6 58	1 29	1 35	0 52	26 24	2 43	7 42	0 58	8 50	2 7	21 19	0 36	23 5	0 22	8 45	8 57	22 33	22 41	6 28		n.a.
T 23	1 30	23 55	3 47	7 37	1 35	2 7	0 50	26 24	2 42	7 46	0 57	8 52	2 7	21 19	0 36	23 5	0 22	8 46	8 56	22 34	22 42	6 25		n.a.
F 24	1 6	25 27	2 55	8 15	1 42	2 39	0 48	26 23	2 40	7 51	0 57	8 55	2 7	21 18	0 36	23 5	0 22	8 47	8 56	22 34	22 42	6 22		n.a.
S 25	0 42	25 33	1 55	8 53	1 48	3 10	0 46	26 22	2 39	7 56	0 57	8 57	2 7	21 18	0 36	23 5	0 22	8 48	8 56	22 34	22 42	6 19		n.a.
S 26	0 18	24 21	0 52	9 31	1 54	3 42	0 44	26 21	2 37	8 1	0 57	9 0	2 7	21 17	0 36	23 5	0 22	8 48	8 55	22 34	22 43	6 16		n.a.
M27	0s 7	22 1	0s13	10 7	2 0	4 14	0 42	26 19	2 36	8 6	0 57	9 2	2 7	21 17	0 36	23 5	0 22	8 49	8 55	22 34	22 43	6 13		n.a.
T 28	0 31	18 46	1 15	10 43	2 5	4 45	0 40	26 17	2 34	8 11	0 57	9 5	2 6	21 17	0 36	23 5	0 22	8 50	8 55	22 34	22 44	6 10		n.a.
W29	0 55	14 47	2 14	11 18	2 11	5 16	0 37	26 16	2 33	8 16	0 57	9 7	2 6	21 16	0 36	23 5	0 22	8 51	8 54	22 35	22 44	6 7		n.a.
T 30	1s19	10n16	3s 7	11s52	2s16	5s48	0n35	26s14	2s31	8s21	0n57	9s 9	2n 6	21n16	0n36	23n 5	0s22	8s51	8n54	22s35	22s44	6n 4		n.a.

Julian Day Number = 1639485.5, Delta T = 03h37m14s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'59, Lahiri = - 7°02'59 Julian Calendar 1 Sept. 225 BCE == Greg. Calendar 28 Aug. 225 BCE

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

OCTOBER 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 24 7	4♎16'54	7♍16	26♎12	17♎11	3♉ 1	23♎42	28♎45	28♋42	8♋24	18♏ 5	17°R 9	16♉ 3	5♍22	n.a.	F 1
S 2	0 28 3	5°17'07	19° 9	27°27	18°26	3°41	23°55	28°52	28°44	8°24	18° 7	16♉57	16° 0	5°29	n.a.	S 2
S 3	0 32 0	6°17'23	1♎ 8	28°41	19°41	4°21	24° 8	28°59	28°46	8°25	18° 9	16°44	15°57	5°35	n.a.	S 3
M 4	0 35 57	7°17'40	13°14	29°53	20°56	5° 2	24°21	29° 5	28°48	8°25	18°11	16°29	15°54	5°42	n.a.	M 4
T 5	0 39 53	8°17'59	25°28	1♏ 3	22°11	5°42	24°34	29°12	28°49	8°26	18°12	16°15	15°51	5°49	n.a.	T 5
W 6	0 43 50	9°18'21	7♏51	2°11	23°26	6°23	24°47	29°19	28°51	8°26	18°14	16° 2	15°48	5°55	n.a.	W 6
T 7	0 47 46	10°18'43	20°23	3°17	24°41	7° 3	25° 1	29°25	28°53	8°26	18°16	15°52	15°44	6° 2	n.a.	T 7
F 8	0 51 43	11°19'08	3♐ 7	4°20	25°56	7°44	25°14	29°32	28°55	8°27	18°18	15°44	15°41	6° 9	n.a.	F 8
S 9	0 55 39	12°19'34	16° 2	5°20	27°11	8°25	25°27	29°39	28°56	8°27	18°20	15°40	15°38	6°15	n.a.	S 9
S 10	0 59 36	13°20'02	29°13	6°16	28°27	9° 6	25°40	29°46	28°58	8°27	18°22	15°38	15°35	6°22	n.a.	S 10
M11	1 3 32	14°20'31	12♑40	7° 9	29°42	9°47	25°54	29°53	29° 0	8°27	18°24	15°38	15°32	6°29	n.a.	M11
T 12	1 7 29	15°21'01	26°27	7°58	0♏57	10°28	26° 7	29°59	29° 1	8°27	18°26	15°38	15°29	6°35	n.a.	T 12
W13	1 11 26	16°21'33	10♒35	8°41	2°12	11° 9	26°20	0♏ 6	29° 2	8°27	18°28	15°36	15°25	6°42	n.a.	W13
T 14	1 15 22	17°22'06	25° 3	9°20	3°27	11°50	26°34	0°13	29° 4	8°27	18°30	15°33	15°22	6°49	n.a.	T 14
F 15	1 19 19	18°22'41	9♓48	9°52	4°42	12°32	26°47	0°20	29° 5	8°R27	18°32	15°27	15°19	6°56	n.a.	F 15
S 16	1 23 15	19°23'17	24°45	10°18	5°57	13°13	27° 0	0°27	29° 7	8°27	18°34	15°18	15°16	7° 2	n.a.	S 16
S 17	1 27 12	20°23'54	9♈45	10°36	7°12	13°54	27°14	0°34	29° 8	8°27	18°36	15° 7	15°13	7° 9	n.a.	S 17
M18	1 31 8	21°24'33	24°38	10°47	8°27	14°36	27°27	0°41	29° 9	8°27	18°38	14°55	15° 9	7°16	n.a.	M18
T 19	1 35 5	22°25'13	9♉16	10°R48	9°42	15°17	27°41	0°48	29°10	8°27	18°40	14°43	15° 6	7°22	n.a.	T 19
W20	1 39 1	23°25'56	23°31	10°40	10°57	15°59	27°54	0°55	29°11	8°27	18°42	14°33	15° 3	7°29	n.a.	W20
T 21	1 42 58	24°26'39	7♊19	10°21	12°12	16°41	28° 7	1° 2	29°12	8°27	18°44	14°26	15° 0	7°36	n.a.	T 21
F 22	1 46 54	25°27'25	20°38	9°53	13°27	17°22	28°21	1° 9	29°13	8°27	18°47	14°22	14°57	7°42	n.a.	F 22
S 23	1 50 51	26°28'12	3♋31	9°13	14°42	18° 4	28°34	1°16	29°14	8°26	18°49	14°20	14°54	7°49	n.a.	S 23
S 24	1 54 48	27°29'01	16° 0	8°23	15°57	18°46	28°48	1°23	29°15	8°26	18°51	14°D19	14°50	7°56	n.a.	S 24
M25	1 58 44	28°29'51	28°11	7°23	17°12	19°28	29° 1	1°30	29°16	8°26	18°53	14°R19	14°47	8° 2	n.a.	M25
T 26	2 2 41	29°30'43	10♌10	6°15	18°27	20°10	29°15	1°37	29°17	8°25	18°55	14°19	14°44	8° 9	n.a.	T 26
W27	2 6 37	0♏31'37	22° 1	5° 0	19°42	20°52	29°28	1°44	29°17	8°25	18°57	14°17	14°41	8°16	n.a.	W27
T 28	2 10 34	1°32'32	3♍49	3°40	20°57	21°34	29°42	1°51	29°18	8°24	19° 0	14°12	14°38	8°23	n.a.	T 28
F 29	2 14 30	2°33'29	15°40	2°17	22°12	22°16	29°55	1°58	29°18	8°24	19° 2	14° 5	14°35	8°29	n.a.	F 29
S 30	2 18 27	3°34'26	27°37	0°55	23°27	22°58	0♏ 9	2° 5	29°19	8°24	19° 4	13°55	14°31	8°36	n.a.	S 30
S 31	2 22 23	4♏35'26	9♎43	29♎37	24♏42	23♉40	0♏22	2♏12	29♋19	8♋23	19♏ 6	13♉43	14♉28	8♍43	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s43	5n22	3s51	12s25	2s21	6s19	0n33	26s11	2s30	8s26	0n57	9s12	2n 6	21n15	0n36	23n 5	0s22	8s52	8n54	22s37	22s45	6n 1		n.a.
S 2	2 7	0 16	4 26	12 57	2 25	6 50	0 31	26 9	2 29	8 31	0 56	9 14	2 6	21 15	0 36	23 5	0 22	8 53	8 54	22 38	22 45	5 59		n.a.
S 3	2 32	4s52	4 49	13 28	2 30	7 21	0 29	26 6	2 27	8 36	0 56	9 17	2 6	21 15	0 36	23 5	0 22	8 54	8 53	22 40	22 45	5 56		n.a.
M 4	2 56	9 52	4 59	13 57	2 33	7 52	0 26	26 3	2 26	8 41	0 56	9 19	2 6	21 14	0 36	23 5	0 22	8 54	8 53	22 41	22 46	5 53		n.a.
T 5	3 20	14 32	4 56	14 25	2 37	8 22	0 24	26 0	2 24	8 46	0 56	9 22	2 6	21 14	0 36	23 5	0 22	8 55	8 53	22 43	22 46	5 50		n.a.
W 6	3 44	18 40	4 39	14 52	2 40	8 52	0 22	25 57	2 23	8 51	0 56	9 24	2 6	21 14	0 36	23 5	0 22	8 56	8 52	22 45	22 47	5 47		n.a.
T 7	4 8	22 2	4 8	15 18	2 43	9 23	0 19	25 53	2 21	8 56	0 56	9 27	2 5	21 13	0 37	23 5	0 22	8 57	8 52	22 46	22 47	5 44		n.a.
F 8	4 32	24 22	3 24	15 41	2 45	9 52	0 17	25 49	2 20	9 1	0 56	9 29	2 5	21 13	0 37	23 5	0 22	8 58	8 52	22 47	22 47	5 41		n.a.
S 9	4 56	25 27	2 29	16 3	2 46	10 22	0 14	25 45	2 18	9 6	0 56	9 32	2 5	21 13	0 37	23 5	0 22	8 58	8 52	22 47	22 48	5 38		n.a.
S 10	5 19	25 9	1 26	16 23	2 47	10 52	0 12	25 41	2 17	9 11	0 56	9 34	2 5	21 12	0 37	23 5	0 22	8 59	8 51	22 48	22 48	5 35		n.a.
M11	5 43	23 22	0 16	16 41	2 47	11 21	0 10	25 37	2 16	9 16	0 56	9 37	2 5	21 12	0 37	23 5	0 22	9 0	8 51	22 48	22 48	5 32		n.a.
T 12	6 7	20 11	0n57	16 57	2 46	11 50	0 7	25 32	2 14	9 20	0 55	9 39	2 5	21 12	0 37	23 5	0 22	9 1	8 51	22 48	22 49	5 29		n.a.
W13	6 30	15 45	2 8	17 10	2 45	12 18	0 5	25 27	2 13	9 25	0 55	9 42	2 5	21 12	0 37	23 5	0 22	9 1	8 51	22 48	22 49	5 26		n.a.
T 14	6 54	10 19	3 12	17 20	2 42	12 47	0 2	25 22	2 11	9 30	0 55	9 44	2 5	21 11	0 37	23 5	0 22	9 2	8 50	22 48	22 50	5 23		n.a.
F 15	7 17	4 13	4 5	17 27	2 38	13 15	0s 0	25 17	2 10	9 35	0 55	9 47	2 5	21 11	0 37	23 5	0 22	9 3	8 50	22 49	22 50	5 20		n.a.
S 16	7 40	2n11	4 41	17 31	2 34	13 42	0 3	25 11	2 8	9 40	0 55	9 49	2 5	21 11	0 37	23 5	0 22	9 4	8 50	22 50	22 50	5 17		n.a.
S 17	8 4	8 28	4 59	17 31	2 28	14 10	0 5	25 6	2 7	9 45	0 55	9 52	2 5	21 11	0 37	23 5	0 22	9 4	8 50	22 51	22 51	5 14		n.a.
M18	8 27	14 14	4 56	17 27	2 20	14 37	0 8	25 0	2 6	9 50	0 55	9 54	2 5	21 10	0 37	23 5	0 22	9 5	8 49	22 53	22 51	5 11		n.a.
T 19	8 50	19 4	4 33	17 19	2 11	15 3	0 11	24 53	2 4	9 55	0 55	9 57	2 5	21 10	0 37	23 5	0 22	9 6	8 49	22 54	22 51	5 8		n.a.
W20	9 12	22 39	3 54	17 6	2 1	15 30	0 13	24 47	2 3	10 0	0 55	9 59	2 4	21 10	0 37	23 5	0 22	9 7	8 49	22 55	22 52	5 5		n.a.
T 21	9 35	24 47	3 2	16 49	1 49	15 56	0 16	24 40	2 1	10 5	0 55	10 2	2 4	21 10	0 37	23 5	0 22	9 8	8 49	22 56	22 52	5 2		n.a.
F 22	9 57	25 25	2 2	16 27	1 35	16 21	0 18	24 34	2 0	10 10	0 55	10 4	2 4	21 10	0 37	23 5	0 22	9 8	8 49	22 56	22 52	4 59		n.a.
S 23	10 20	24 37	0 57	15 59	1 20	16 46	0 21	24 27	1 59	10 15	0 55	10 7	2 4	21 9	0 37	23 5	0 22	9 9	8 48	22 57	22 53	4 56		n.a.
S 24	10 42	22 36	0s 9	15 27	1 3	17 11	0 23	24 19	1 57	10 20	0 55	10 9	2 4	21 9	0 37	23 5	0 22	9 10	8 48	22 57	22 53	4 53		n.a.
M25	11 4	19 35	1 13	14 50	0 44	17 35	0 26	24 12	1 56	10 25	0 54	10 12	2 4	21 9	0 37	23 5	0 22	9 11	8 48	22 57	22 54	4 50		n.a.
T 26	11 26	15 47	2 12	14 9	0 25	17 58	0 28	24 4	1 54	10 29	0 54	10 14	2 4	21 9	0 37	23 5	0 22	9 11	8 48	22 57	22 54	4 47		n.a.
W27	11 48	11 25	3 6	13 24	0 4	18 22	0 31	23 56	1 53	10 34	0 54	10 17	2 4	21 9	0 37	23 5	0 22	9 12	8 48	22 57	22 54	4 44		n.a.
T 28	12 9	6 39	3 51	12 38	0n16	18 44	0 33	23 48	1 52	10 39	0 54	10 19	2 4	21 9	0 37	23 5	0 22	9 13	8 47	22 57	22 55	4 41		n.a.
F 29	12 30	1 38	4 26	11 50	0 37	19 6	0 36	23 40	1 50	10 44	0 54	10 22	2 4	21 9	0 37	23 5	0 22	9 14	8 47	22 58	22 55	4 38		n.a.
S 30	12 51	3s28	4 50	11 3	0 57	19 28	0 38	23 32	1 49	10 49	0 54	10 24	2 4	21 9	0 37	23 5	0 22	9 14	8 47	22 59	22 55	4 35		n.a.
S 31	13s12	8s30	5s 1	10s18	1n16	19s49	0s41	23s23	1s47	10s54	0n54	10s27	2n 4	21n 9	0n37	23n 5	0s22	9s15	8n47	23s 0	22s56	4n32		n.a.

Julian Day Number = 1639515.5, Delta T = 03h37m13s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'55, Lahiri = - 7°02'55 Julian Calendar 1 Oct. 225 BCE == Greg. Calendar 27 Sept. 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

NOVEMBER 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 26 20	5♏36'26	22♎ 0	28°R25	25♏57	24♑22	0♏36	2♏19	29♋20	8°R22	19♏ 8	13°R29	14♑25	8♍49	n.a.	M 1
T 2	2 30 17	6°37'28	4♏28	27♎20	27°11	25° 5	0°49	2°26	29°20	8♋22	19°11	13♑16	14°22	8°56	n.a.	T 2
W 3	2 34 13	7°38'30	17° 8	26°25	28°26	25°47	1° 3	2°33	29°21	8°21	19°13	13° 5	14°19	9° 3	n.a.	W 3
T 4	2 38 10	8°39'34	29°59	25°41	29°41	26°29	1°16	2°40	29°21	8°21	19°15	12°55	14°15	9° 9	n.a.	T 4
F 5	2 42 6	9°40'39	13♐ 1	25° 8	0♐56	27°12	1°29	2°47	29°21	8°20	19°17	12°49	14°12	9°16	n.a.	F 5
S 6	2 46 3	10°41'45	26°14	24°47	2°11	27°54	1°43	2°54	29°21	8°19	19°20	12°45	14° 9	9°23	n.a.	S 6
S 7	2 49 59	11°42'51	9♑38	24°D37	3°26	28°36	1°56	3° 1	29°21	8°18	19°22	12°D44	14° 6	9°30	n.a.	S 7
M 8	2 53 56	12°43'58	23°13	24°38	4°41	29°19	2°10	3° 8	29°R21	8°18	19°24	12°44	14° 3	9°36	n.a.	M 8
T 9	2 57 53	13°45'05	7♒ 0	24°48	5°56	0♒ 1	2°23	3°15	29°21	8°17	19°26	12°R45	14° 0	9°43	n.a.	T 9
W10	3 1 49	14°46'13	21° 0	25° 8	7°11	0°44	2°36	3°22	29°21	8°16	19°29	12°45	13°56	9°50	n.a.	W10
T 11	3 5 46	15°47'22	5♓12	25°36	8°25	1°26	2°50	3°29	29°21	8°15	19°31	12°43	13°53	9°56	n.a.	T 11
F 12	3 9 42	16°48'30	19°35	26°11	9°40	2° 9	3° 3	3°36	29°21	8°14	19°33	12°39	13°50	10° 3	n.a.	F 12
S 13	3 13 39	17°49'39	4♈ 5	26°53	10°55	2°52	3°16	3°43	29°21	8°13	19°36	12°32	13°47	10°10	n.a.	S 13
S 14	3 17 35	18°50'49	18°38	27°41	12°10	3°34	3°30	3°50	29°20	8°12	19°38	12°24	13°44	10°16	n.a.	S 14
M15	3 21 32	19°51'59	3♉ 6	28°34	13°24	4°17	3°43	3°57	29°20	8°11	19°40	12°15	13°40	10°23	n.a.	M15
T 16	3 25 28	20°53'10	17°24	29°32	14°39	4°59	3°56	4° 4	29°19	8°10	19°42	12° 7	13°37	10°30	n.a.	T 16
W17	3 29 25	21°54'21	1♊25	0♏34	15°54	5°42	4° 9	4°11	29°19	8° 9	19°45	11°59	13°34	10°37	n.a.	W17
T 18	3 33 22	22°55'33	15° 5	1°39	17° 9	6°25	4°22	4°17	29°18	8° 8	19°47	11°54	13°31	10°43	n.a.	T 18
F 19	3 37 18	23°56'45	28°21	2°47	18°23	7° 7	4°35	4°24	29°18	8° 7	19°49	11°51	13°28	10°50	n.a.	F 19
S 20	3 41 15	24°57'58	11♋15	3°58	19°38	7°50	4°49	4°31	29°17	8° 6	19°52	11°D50	13°25	10°57	n.a.	S 20
S 21	3 45 11	25°59'12	23°47	5°12	20°53	8°33	5° 2	4°38	29°16	8° 5	19°54	11°50	13°21	11° 3	n.a.	S 21
M22	3 49 8	27° 0'26	6♌ 1	6°27	22° 7	9°15	5°15	4°44	29°16	8° 4	19°56	11°52	13°18	11°10	n.a.	M22
T 23	3 53 4	28° 1'41	18° 3	7°44	23°22	9°58	5°28	4°51	29°15	8° 3	19°58	11°53	13°15	11°17	n.a.	T 23
W24	3 57 1	29° 2'56	29°56	9° 3	24°37	10°41	5°41	4°58	29°14	8° 1	20° 1	11°R54	13°12	11°23	n.a.	W24
T 25	4 0 57	0♐ 4'12	11♍46	10°24	25°51	11°23	5°54	5° 4	29°13	8° 0	20° 3	11°53	13° 9	11°30	n.a.	T 25
F 26	4 4 54	1° 5'28	23°39	11°45	27° 6	12° 6	6° 6	5°11	29°12	7°59	20° 5	11°50	13° 6	11°37	n.a.	F 26
S 27	4 8 51	2° 6'44	5♎38	13° 8	28°20	12°49	6°19	5°17	29°11	7°58	20° 7	11°45	13° 2	11°44	n.a.	S 27
S 28	4 12 47	3° 8'01	17°49	14°31	29°35	13°31	6°32	5°24	29°10	7°56	20°10	11°39	12°59	11°50	n.a.	S 28
M29	4 16 44	4° 9'18	0♏12	15°56	0♑49	14°14	6°45	5°30	29° 9	7°55	20°12	11°33	12°56	11°57	n.a.	M29
T 30	4 20 40	5♐10'36	12♏52	17♏21	2♑ 4	14♒57	6♏58	5♏37	29♋ 8	7♋54	20♏14	11♑26	12♑53	12♍ 4	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s33	13s16	4s58	9s35	1n33	20s10	0s43	23s14	1s46	10s58	0n54	10s29	2n 4	21n 9	0n38	23n 5	0s22	9s16	8n47	23s 2	22s56	4n29		n.a.
T 2	13 53	17 34	4 42	8 58	1 48	20 30	0 45	23 5	1 45	11 3	0 54	10 31	2 4	21 9	0 38	23 5	0 22	9 17	8 47	23 3	22 56	4 26		n.a.
W 3	14 13	21 9	4 11	8 25	2 2	20 49	0 48	22 56	1 43	11 8	0 54	10 34	2 4	21 9	0 38	23 5	0 22	9 17	8 46	23 4	22 57	4 23		n.a.
T 4	14 33	23 45	3 27	7 59	2 13	21 8	0 50	22 46	1 42	11 13	0 54	10 36	2 4	21 9	0 38	23 5	0 22	9 18	8 46	23 5	22 57	4 20		n.a.
F 5	14 53	25 8	2 31	7 38	2 22	21 27	0 52	22 37	1 41	11 17	0 54	10 39	2 4	21 9	0 38	23 5	0 22	9 19	8 46	23 6	22 57	4 17		n.a.
S 6	15 12	25 7	1 27	7 23	2 30	21 44	0 55	22 27	1 39	11 22	0 54	10 41	2 4	21 9	0 38	23 5	0 22	9 20	8 46	23 6	22 58	4 14		n.a.
S 7	15 32	23 39	0 17	7 15	2 35	22 1	0 57	22 17	1 38	11 27	0 54	10 44	2 4	21 9	0 38	23 5	0 22	9 20	8 46	23 6	22 58	4 11		n.a.
M 8	15 51	20 47	0n56	7 12	2 39	22 18	0 59	22 6	1 37	11 32	0 54	10 46	2 4	21 9	0 38	23 5	0 22	9 21	8 46	23 6	22 58	4 8		n.a.
T 9	16 9	16 43	2 6	7 14	2 41	22 33	1 1	21 56	1 35	11 36	0 54	10 48	2 4	21 9	0 38	23 5	0 22	9 22	8 46	23 6	22 59	4 5		n.a.
W10	16 28	11 40	3 10	7 20	2 41	22 49	1 3	21 45	1 34	11 41	0 54	10 51	2 4	21 9	0 38	23 5	0 22	9 22	8 46	23 6	22 59	4 2		n.a.
T 11	16 46	5 57	4 3	7 31	2 40	23 3	1 6	21 35	1 33	11 46	0 54	10 53	2 4	21 9	0 38	23 5	0 22	9 23	8 45	23 6	22 59	3 59		n.a.
F 12	17 3	0n 8	4 41	7 46	2 38	23 17	1 8	21 24	1 31	11 50	0 54	10 55	2 4	21 9	0 38	23 6	0 22	9 24	8 45	23 7	23 0	3 56		n.a.
S 13	17 21	6 15	5 2	8 4	2 36	23 30	1 10	21 13	1 30	11 55	0 54	10 58	2 4	21 9	0 38	23 6	0 22	9 24	8 45	23 7	23 0	3 53		n.a.
S 14	17 38	12 3	5 4	8 25	2 32	23 42	1 12	21 1	1 29	11 59	0 53	11 0	2 4	21 9	0 38	23 6	0 22	9 25	8 45	23 8	23 0	3 50		n.a.
M15	17 55	17 9	4 46	8 48	2 28	23 54	1 14	20 50	1 27	12 4	0 53	11 2	2 4	21 9	0 38	23 6	0 22	9 26	8 45	23 9	23 1	3 47		n.a.
T 16	18 11	21 13	4 10	9 13	2 23	24 5	1 16	20 38	1 26	12 9	0 53	11 5	2 4	21 9	0 38	23 6	0 22	9 27	8 45	23 10	23 1	3 44		n.a.
W17	18 28	23 57	3 20	9 40	2 17	24 15	1 17	20 26	1 25	12 13	0 53	11 7	2 4	21 9	0 38	23 6	0 22	9 27	8 45	23 11	23 1	3 41		n.a.
T 18	18 43	25 11	2 19	10 8	2 11	24 25	1 19	20 14	1 23	12 18	0 53	11 9	2 4	21 10	0 38	23 6	0 22	9 28	8 45	23 11	23 2	3 38		n.a.
F 19	18 59	24 55	1 12	10 38	2 5	24 33	1 21	20 2	1 22	12 22	0 53	11 12	2 4	21 10	0 38	23 6	0 22	9 29	8 45	23 11	23 2	3 35		n.a.
S 20	19 14	23 18	0 3	11 8	1 58	24 41	1 23	19 50	1 21	12 26	0 53	11 14	2 4	21 10	0 38	23 6	0 22	9 29	8 45	23 11	23 2	3 32		n.a.
S 21	19 29	20 33	1s 4	11 39	1 52	24 49	1 24	19 37	1 20	12 31	0 53	11 16	2 4	21 10	0 38	23 6	0 22	9 30	8 45	23 11	23 3	3 29		n.a.
M22	19 43	16 56	2 7	12 11	1 45	24 55	1 26	19 25	1 18	12 35	0 53	11 18	2 4	21 10	0 38	23 6	0 22	9 31	8 44	23 11	23 3	3 26		n.a.
T 23	19 57	12 42	3 3	12 43	1 37	25 1	1 28	19 12	1 17	12 40	0 53	11 21	2 4	21 11	0 38	23 6	0 22	9 31	8 44	23 11	23 3	3 23		n.a.
W24	20 11	8 2	3 51	13 16	1 30	25 6	1 29	18 59	1 16	12 44	0 53	11 23	2 4	21 11	0 38	23 6	0 22	9 32	8 44	23 11	23 4	3 20		n.a.
T 25	20 24	3 6	4 28	13 48	1 23	25 10	1 31	18 46	1 15	12 48	0 53	11 25	2 4	21 11	0 38	23 6	0 22	9 32	8 44	23 11	23 4	3 17		n.a.
F 26	20 37	1s57	4 55	14 21	1 15	25 13	1 32	18 32	1 13	12 53	0 53	11 27	2 4	21 11	0 39	23 7	0 22	9 33	8 44	23 11	23 4	3 14		n.a.
S 27	20 50	6 58	5 8	14 54	1 7	25 16	1 33	18 19	1 12	12 57	0 53	11 29	2 4	21 11	0 39	23 7	0 22	9 34	8 44	23 12	23 5	3 11		n.a.
S 28	21 2	11 48	5 8	15 26	1 0	25 18	1 35	18 5	1 11	13 1	0 53	11 31	2 4	21 12	0 39	23 7	0 22	9 34	8 44	23 12	23 5	3 8		n.a.
M29	21 14	16 15	4 54	15 58	0 52	25 19	1 36	17 52	1 10	13 5	0 53	11 33	2 5	21 12	0 39	23 7	0 22	9 35	8 44	23 13	23 5	3 5		n.a.
T 30	21s25	20s 5	4s25	16s30	0n45	25s19	1s37	17s38	1s 8	13s10	0n53	11s36	2n 5	21n12	0n39	23n 7	0s22	9s35	8n44	23s13	23s 5	3n 2		n.a.

Julian Day Number = 1639546.5, Delta T = 03h37m12s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'51, Lahiri = - 7°02'51 Julian Calendar 1 Nov. 225 BCE == Greg. Calendar 28 Oct. 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 225 BCE
geocentric

DECEMBER 225 BCE (-224) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 24 37	6♐11'53	25♏48	18♏47	3♑18	15♒39	7♏10	5♏43	29°R 7	7°R52	20♏16	11°R19	12♑50	12♍10	n.a.	W 1
T 2	4 28 33	7°13'11	8♐59	20°14	4°33	16°22	7°23	5°50	29♋ 5	7♋51	20°19	11♑14	12°46	12°17	n.a.	T 2
F 3	4 32 30	8°14'28	22°25	21°42	5°47	17° 5	7°35	5°56	29° 4	7°49	20°21	11°11	12°43	12°24	n.a.	F 3
S 4	4 36 27	9°15'45	6♑ 4	23°10	7° 2	17°48	7°48	6° 2	29° 3	7°48	20°23	11°D10	12°40	12°30	n.a.	S 4
S 5	4 40 23	10°17'02	19°53	24°38	8°16	18°30	8° 0	6° 8	29° 1	7°47	20°25	11°10	12°37	12°37	n.a.	S 5
M 6	4 44 20	11°18'19	3♒49	26° 7	9°30	19°13	8°13	6°15	29° 0	7°45	20°27	11°11	12°34	12°44	n.a.	M 6
T 7	4 48 16	12°19'35	17°52	27°37	10°45	19°56	8°25	6°21	28°58	7°44	20°29	11°13	12°31	12°51	n.a.	T 7
W 8	4 52 13	13°20'50	1♓59	29° 7	11°59	20°39	8°37	6°27	28°57	7°42	20°32	11°14	12°27	12°57	n.a.	W 8
T 9	4 56 9	14°22'05	16° 8	0♐38	13°13	21°21	8°50	6°33	28°55	7°41	20°34	11°R14	12°24	13° 4	n.a.	T 9
F 10	5 0 6	15°23'19	0♈18	2° 9	14°28	22° 4	9° 2	6°39	28°54	7°39	20°36	11°14	12°21	13°11	n.a.	F 10
S 11	5 4 2	16°24'32	14°27	3°40	15°42	22°47	9°14	6°45	28°52	7°38	20°38	11°12	12°18	13°17	n.a.	S 11
S 12	5 7 59	17°25'45	28°32	5°12	16°56	23°29	9°26	6°51	28°50	7°36	20°40	11° 9	12°15	13°24	n.a.	S 12
M13	5 11 56	18°26'57	12♉30	6°44	18°10	24°12	9°38	6°57	28°48	7°34	20°42	11° 5	12°12	13°31	n.a.	M13
T 14	5 15 52	19°28'08	26°19	8°17	19°24	24°55	9°50	7° 3	28°47	7°33	20°44	11° 2	12° 8	13°38	n.a.	T 14
W15	5 19 49	20°29'18	9♊54	9°51	20°38	25°37	10° 2	7° 8	28°45	7°31	20°46	10°59	12° 5	13°44	n.a.	W15
T 16	5 23 45	21°30'28	23°13	11°24	21°52	26°20	10°13	7°14	28°43	7°30	20°48	10°57	12° 2	13°51	n.a.	T 16
F 17	5 27 42	22°31'38	6♋16	12°59	23° 6	27° 2	10°25	7°20	28°41	7°28	20°50	10°D56	11°59	13°58	n.a.	F 17
S 18	5 31 38	23°32'46	19° 1	14°34	24°20	27°45	10°37	7°25	28°39	7°26	20°52	10°56	11°56	14° 4	n.a.	S 18
S 19	5 35 35	24°33'54	1♌30	16° 9	25°34	28°28	10°48	7°31	28°37	7°25	20°54	10°57	11°52	14°11	n.a.	S 19
M20	5 39 31	25°35'02	13°44	17°45	26°48	29°10	11° 0	7°36	28°35	7°23	20°56	10°59	11°49	14°18	n.a.	M20
T 21	5 43 28	26°36'08	25°46	19°21	28° 2	29°53	11°11	7°42	28°33	7°21	20°58	11° 0	11°46	14°25	n.a.	T 21
W22	5 47 25	27°37'14	7♍41	20°58	29°16	0♓35	11°22	7°47	28°31	7°20	21° 0	11° 1	11°43	14°31	n.a.	W22
T 23	5 51 21	28°38'20	19°33	22°36	0♒29	1°18	11°33	7°52	28°29	7°18	21° 2	11° 2	11°40	14°38	n.a.	T 23
F 24	5 55 18	29°39'25	1♎26	24°14	1°43	2° 0	11°45	7°58	28°26	7°16	21° 4	11°R 2	11°37	14°45	n.a.	F 24
S 25	5 59 14	0♑40'29	13°25	25°53	2°57	2°43	11°56	8° 3	28°24	7°15	21° 6	11° 2	11°33	14°51	n.a.	S 25
S 26	6 3 11	1°41'32	25°35	27°33	4°10	3°25	12° 7	8° 8	28°22	7°13	21° 8	11° 1	11°30	14°58	n.a.	S 26
M27	6 7 7	2°42'35	8♏ 0	29°13	5°24	4° 7	12°18	8°13	28°20	7°11	21°10	11° 0	11°27	15° 5	n.a.	M27
T 28	6 11 4	3°43'37	20°43	0♑53	6°37	4°50	12°28	8°18	28°17	7°10	21°11	10°59	11°24	15°11	n.a.	T 28
W29	6 15 0	4°44'38	3♐47	2°35	7°51	5°32	12°39	8°23	28°15	7° 8	21°13	10°58	11°21	15°18	n.a.	W29
T 30	6 18 57	5°45'38	17°13	4°17	9° 4	6°15	12°50	8°28	28°13	7° 6	21°15	10°57	11°18	15°25	n.a.	T 30
F 31	6 22 54	6♑46'37	0♑59	6♑ 0	10♒18	6♓57	13♏ 0	8♏32	28♋10	7♋ 5	21♏17	10♑57	11♑14	15♍32	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s36	23s 1	3s42	17s 2	0n37	25s19	1s38	17s24	1s 7	13s14	0n53	11s38	2n 5	21n13	0n39	23n 7	0s22	9s36	8n44	23s14	23s 6	2n59		n.a.
T 2	21 46	24 48	2 46	17 32	0 29	25 18	1 39	17 10	1 6	13 18	0 53	11 40	2 5	21 13	0 39	23 7	0 22	9 37	8 44	23 14	23 6	2 56		n.a.
F 3	21 56	25 11	1 41	18 3	0 22	25 16	1 40	16 56	1 5	13 22	0 53	11 42	2 5	21 13	0 39	23 7	0 22	9 37	8 44	23 15	23 6	2 53		n.a.
S 4	22 6	24 3	0 28	18 33	0 15	25 13	1 41	16 41	1 4	13 26	0 53	11 44	2 5	21 14	0 39	23 7	0 22	9 38	8 44	23 15	23 7	2 50		n.a.
S 5	22 15	21 27	0n48	19 2	0 7	25 9	1 42	16 27	1 2	13 30	0 53	11 46	2 5	21 14	0 39	23 7	0 22	9 38	8 44	23 15	23 7	2 47		n.a.
M 6	22 24	17 34	2 1	19 31	0 0	25 5	1 42	16 12	1 1	13 34	0 53	11 48	2 5	21 14	0 39	23 7	0 22	9 39	8 44	23 15	23 7	2 44		n.a.
T 7	22 32	12 41	3 8	19 58	0s 7	25 0	1 43	15 57	1 0	13 38	0 53	11 50	2 5	21 15	0 39	23 7	0 22	9 39	8 44	23 15	23 8	2 41		n.a.
W 8	22 40	7 7	4 3	20 26	0 14	24 54	1 44	15 43	0 59	13 42	0 53	11 52	2 5	21 15	0 39	23 8	0 22	9 40	8 44	23 14	23 8	2 38		n.a.
T 9	22 48	1 10	4 44	20 52	0 21	24 47	1 44	15 28	0 58	13 46	0 53	11 54	2 5	21 15	0 39	23 8	0 22	9 41	8 44	23 14	23 8	2 35		n.a.
F 10	22 55	4n49	5 8	21 17	0 28	24 40	1 45	15 13	0 56	13 50	0 53	11 56	2 5	21 16	0 39	23 8	0 22	9 41	8 44	23 15	23 8	2 32		n.a.
S 11	23 1	10 34	5 13	21 42	0 34	24 31	1 45	14 57	0 55	13 54	0 53	11 57	2 5	21 16	0 39	23 8	0 22	9 42	8 44	23 15	23 9	2 29		n.a.
S 12	23 7	15 44	5 0	22 5	0 41	24 22	1 45	14 42	0 54	13 58	0 53	11 59	2 5	21 16	0 39	23 8	0 22	9 42	8 44	23 15	23 9	2 26		n.a.
M13	23 13	20 1	4 28	22 28	0 47	24 13	1 45	14 27	0 53	14 2	0 53	12 1	2 6	21 17	0 39	23 8	0 22	9 43	8 44	23 15	23 9	2 23		n.a.
T 14	23 18	23 8	3 41	22 49	0 53	24 2	1 46	14 11	0 52	14 5	0 53	12 3	2 6	21 17	0 39	23 8	0 22	9 43	8 44	23 16	23 10	2 20		n.a.
W15	23 23	24 53	2 43	23 10	0 59	23 51	1 46	13 56	0 51	14 9	0 53	12 5	2 6	21 18	0 39	23 8	0 22	9 44	8 44	23 16	23 10	2 17		n.a.
T 16	23 27	25 9	1 36	23 29	1 5	23 40	1 46	13 40	0 50	14 13	0 53	12 6	2 6	21 18	0 39	23 8	0 22	9 44	8 44	23 16	23 10	2 15		n.a.
F 17	23 31	24 0	0 26	23 47	1 10	23 27	1 45	13 24	0 49	14 17	0 53	12 8	2 6	21 18	0 39	23 8	0 22	9 44	8 44	23 16	23 11	2 12		n.a.
S 18	23 34	21 37	0s45	24 4	1 15	23 14	1 45	13 8	0 47	14 20	0 53	12 10	2 6	21 19	0 39	23 9	0 22	9 45	8 44	23 16	23 11	2 9		n.a.
S 19	23 37	18 15	1 51	24 20	1 20	23 0	1 45	12 52	0 46	14 24	0 53	12 12	2 6	21 19	0 39	23 9	0 22	9 45	8 45	23 16	23 11	2 6		n.a.
M20	23 39	14 10	2 52	24 34	1 25	22 45	1 45	12 36	0 45	14 27	0 53	12 13	2 6	21 20	0 39	23 9	0 22	9 46	8 45	23 16	23 11	2 3		n.a.
T 21	23 41	9 35	3 43	24 47	1 30	22 30	1 44	12 20	0 44	14 31	0 53	12 15	2 6	21 20	0 39	23 9	0 22	9 46	8 45	23 16	23 12	2 0		n.a.
W22	23 42	4 42	4 25	24 59	1 34	22 14	1 44	12 4	0 43	14 34	0 53	12 17	2 7	21 21	0 39	23 9	0 22	9 47	8 45	23 16	23 12	1 57		n.a.
T 23	23 43	0s20	4 55	25 9	1 38	21 58	1 43	11 48	0 42	14 38	0 53	12 18	2 7	21 21	0 39	23 9	0 22	9 47	8 45	23 15	23 12	1 54		n.a.
F 24	23 43	5 20	5 12	25 18	1 42	21 41	1 43	11 31	0 41	14 41	0 53	12 20	2 7	21 22	0 39	23 9	0 22	9 47	8 45	23 15	23 13	1 51		n.a.
S 25	23 43	10 12	5 16	25 25	1 46	21 23	1 42	11 15	0 40	14 45	0 54	12 21	2 7	21 22	0 39	23 9	0 22	9 48	8 45	23 16	23 13	1 48		n.a.
S 26	23 43	14 45	5 7	25 31	1 49	21 4	1 41	10 58	0 39	14 48	0 54	12 23	2 7	21 23	0 39	23 9	0 22	9 48	8 45	23 16	23 13	1 45		n.a.
M27	23 42	18 47	4 42	25 35	1 52	20 46	1 40	10 42	0 38	14 51	0 54	12 24	2 7	21 23	0 40	23 10	0 22	9 49	8 45	23 16	23 13	1 42		n.a.
T 28	23 40	22 3	4 4	25 37	1 54	20 26	1 39	10 25	0 37	14 55	0 54	12 26	2 7	21 24	0 40	23 10	0 22	9 49	8 45	23 16	23 14	1 39		n.a.
W29	23 38	24 18	3 12	25 38	1 56	20 6	1 38	10 9	0 36	14 58	0 54	12 27	2 7	21 24	0 40	23 10	0 22	9 49	8 45	23 16	23 14	1 36		n.a.
T 30	23 36	25 13	2 8	25 37	1 58	19 45	1 37	9 52	0 35	15 1	0 54	12 29	2 8	21 25	0 40	23 10	0 22	9 50	8 45	23 16	23 14	1 33		n.a.
F 31	23s33	24s38	0s55	25s35	2s 0	19s24	1s36	9s35	0s34	15s 4	0n54	12s30	2n 8	21n25	0n40	23n10	0s22	9s50	8n46	23s16	23s14	1n30		n.a.

Julian Day Number = 1639576.5, Delta T = 03h37m11s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'47, Lahiri = - 7°02'47 Julian Calendar 1 Dec. 225 BCE == Greg. Calendar 27 Nov. 225 BCE

The year -224 astronomical counting style corresponds to year 225 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

JANUARY 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 26 50	7♑47'35	15♑ 3	7♑43	11♒31	7♓39	13♏11	8♏37	28°R 8	7°R 3	21♏18	10°D57	11♑11	15♍38	n.a.	S 1
S 2	6 30 47	8°48'32	29°20	9°27	12°44	8°22	13°21	8°42	28♋ 6	7♋ 1	21°20	10♑57	11° 8	15°45	n.a.	S 2
M 3	6 34 43	9°49'27	13♒46	11°12	13°57	9° 4	13°31	8°46	28° 3	7° 0	21°22	10°57	11° 5	15°52	n.a.	M 3
T 4	6 38 40	10°50'21	28°16	12°58	15°11	9°46	13°41	8°51	28° 1	6°58	21°23	10°R57	11° 2	15°58	n.a.	T 4
W 5	6 42 36	11°51'13	12♓44	14°44	16°24	10°28	13°51	8°55	27°58	6°56	21°25	10°57	10°58	16° 5	n.a.	W 5
T 6	6 46 33	12°52'04	27° 6	16°31	17°37	11°11	14° 1	8°59	27°56	6°54	21°27	10°57	10°55	16°12	n.a.	T 6
F 7	6 50 30	13°52'52	11♈18	18°18	18°50	11°53	14°11	9° 4	27°53	6°53	21°28	10°D57	10°52	16°19	n.a.	F 7
S 8	6 54 26	14°53'40	25°18	20° 6	20° 2	12°35	14°21	9° 8	27°51	6°51	21°30	10°57	10°49	16°25	n.a.	S 8
S 9	6 58 23	15°54'25	9♉ 6	21°54	21°15	13°17	14°30	9°12	27°48	6°49	21°31	10°57	10°46	16°32	n.a.	S 9
M10	7 2 19	16°55'09	22°41	23°43	22°28	13°59	14°40	9°16	27°46	6°48	21°33	10°58	10°43	16°39	n.a.	M10
T 11	7 6 16	17°55'51	6♊ 2	25°32	23°41	14°42	14°49	9°20	27°43	6°46	21°34	10°59	10°39	16°45	n.a.	T 11
W12	7 10 12	18°56'31	19°10	27°22	24°53	15°24	14°58	9°24	27°41	6°44	21°36	10°59	10°36	16°52	n.a.	W12
T 13	7 14 9	19°57'10	2♋ 5	29°11	26° 6	16° 6	15° 7	9°27	27°38	6°43	21°37	11° 0	10°33	16°59	n.a.	T 13
F 14	7 18 5	20°57'47	14°47	1♌ 0	27°18	16°48	15°16	9°31	27°35	6°41	21°39	11°R 0	10°30	17° 6	n.a.	F 14
S 15	7 22 2	21°58'22	27°17	2°49	28°30	17°30	15°25	9°35	27°33	6°40	21°40	10°59	10°27	17°12	n.a.	S 15
S 16	7 25 59	22°58'55	9♌36	4°38	29°43	18°12	15°34	9°38	27°30	6°38	21°41	10°58	10°24	17°19	n.a.	S 16
M17	7 29 55	23°59'27	21°45	6°25	0♓55	18°54	15°43	9°42	27°28	6°36	21°43	10°57	10°20	17°26	n.a.	M17
T 18	7 33 52	24°59'58	3♍45	8°12	2° 7	19°35	15°51	9°45	27°25	6°35	21°44	10°55	10°17	17°32	n.a.	T 18
W19	7 37 48	26° 0'27	15°39	9°57	3°19	20°17	15°59	9°48	27°22	6°33	21°45	10°52	10°14	17°39	n.a.	W19
T 20	7 41 45	27° 0'54	27°31	11°39	4°31	20°59	16° 8	9°51	27°20	6°32	21°46	10°50	10°11	17°46	n.a.	T 20
F 21	7 45 41	28° 1'20	9♎24	13°20	5°43	21°41	16°16	9°54	27°17	6°30	21°48	10°48	10° 8	17°53	n.a.	F 21
S 22	7 49 38	29° 1'44	21°22	14°58	6°54	22°23	16°24	9°57	27°14	6°28	21°49	10°47	10° 4	17°59	n.a.	S 22
S 23	7 53 34	0♒ 2'07	3♏29	16°32	8° 6	23° 4	16°32	10° 0	27°12	6°27	21°50	10°D47	10° 1	18° 6	n.a.	S 23
M24	7 57 31	1° 2'28	15°50	18° 2	9°18	23°46	16°39	10° 3	27° 9	6°25	21°51	10°48	9°58	18°13	n.a.	M24
T 25	8 1 28	2° 2'48	28°31	19°27	10°29	24°28	16°47	10° 6	27° 7	6°24	21°52	10°49	9°55	18°19	n.a.	T 25
W26	8 5 24	3° 3'06	11♐33	20°47	11°40	25°10	16°54	10° 8	27° 4	6°22	21°53	10°51	9°52	18°26	n.a.	W26
T 27	8 9 21	4° 3'22	25° 1	22° 1	12°52	25°51	17° 2	10°11	27° 1	6°21	21°54	10°52	9°49	18°33	n.a.	T 27
F 28	8 13 17	5° 3'37	8♑55	23° 9	14° 3	26°33	17° 9	10°13	26°59	6°20	21°55	10°R53	9°45	18°40	n.a.	F 28
S 29	8 17 14	6° 3'50	23°13	24°10	15°14	27°14	17°16	10°16	26°56	6°18	21°56	10°52	9°42	18°46	n.a.	S 29
S 30	8 21 10	7° 4'01	7♒52	25° 3	16°25	27°56	17°23	10°18	26°54	6°17	21°57	10°50	9°39	18°53	n.a.	S 30
M31	8 25 7	8♒ 4'11	22♒44	25♒47	17♓35	28♓38	17♏30	10♏20	26♋51	6♋15	21♏58	10♑47	9♑36	19♍ 0	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s29	22s29	0n23	25s30	2s 1	19s 2	1s34	9s18	0s33	15s 7	0n54	12s32	2n 8	21n26	0n40	23n10	0s22	9s50	8n46	23s16	23s15	1n27		n.a.
S 2	23 26	18 54	1 40	25 24	2 2	18 40	1 33	9 1	0 32	15 11	0 54	12 33	2 8	21 26	0 40	23 10	0 22	9 51	8 46	23 16	23 15	1 24		n.a.
M 3	23 21	14 8	2 52	25 16	2 2	18 17	1 31	8 44	0 31	15 14	0 54	12 34	2 8	21 27	0 40	23 10	0 22	9 51	8 46	23 16	23 15	1 21		n.a.
T 4	23 16	8 34	3 54	25 6	2 2	17 54	1 30	8 27	0 30	15 17	0 54	12 36	2 8	21 27	0 40	23 10	0 22	9 51	8 46	23 16	23 16	1 18		n.a.
W 5	23 11	2 33	4 40	24 54	2 1	17 30	1 28	8 10	0 29	15 20	0 54	12 37	2 8	21 28	0 40	23 10	0 22	9 52	8 46	23 16	23 16	1 15		n.a.
T 6	23 6	3n32	5 8	24 40	2 0	17 6	1 26	7 53	0 28	15 23	0 54	12 38	2 8	21 28	0 40	23 11	0 22	9 52	8 46	23 16	23 16	1 12		n.a.
F 7	22 59	9 22	5 17	24 24	1 58	16 42	1 24	7 36	0 27	15 25	0 54	12 39	2 9	21 29	0 40	23 11	0 22	9 52	8 46	23 16	23 16	1 9		n.a.
S 8	22 53	14 39	5 7	24 6	1 56	16 17	1 23	7 19	0 26	15 28	0 54	12 41	2 9	21 29	0 40	23 11	0 22	9 52	8 47	23 16	23 17	1 6		n.a.
S 9	22 46	19 7	4 40	23 46	1 53	15 51	1 21	7 2	0 25	15 31	0 54	12 42	2 9	21 30	0 40	23 11	0 22	9 53	8 47	23 16	23 17	1 3		n.a.
M10	22 38	22 28	3 57	23 24	1 49	15 25	1 19	6 44	0 24	15 34	0 54	12 43	2 9	21 30	0 40	23 11	0 22	9 53	8 47	23 16	23 17	1 0		n.a.
T 11	22 30	24 33	3 2	23 1	1 45	14 59	1 16	6 27	0 23	15 37	0 54	12 44	2 9	21 31	0 40	23 11	0 22	9 53	8 47	23 16	23 17	0 58		n.a.
W12	22 22	25 14	1 58	22 35	1 41	14 33	1 14	6 10	0 22	15 39	0 54	12 45	2 9	21 31	0 40	23 11	0 22	9 53	8 47	23 16	23 18	0 55		n.a.
T 13	22 13	24 32	0 49	22 7	1 35	14 6	1 12	5 52	0 21	15 42	0 54	12 46	2 10	21 32	0 40	23 11	0 22	9 54	8 47	23 16	23 18	0 52		n.a.
F 14	22 4	22 33	0s21	21 37	1 29	13 38	1 9	5 35	0 20	15 44	0 54	12 47	2 10	21 32	0 40	23 11	0 22	9 54	8 47	23 16	23 18	0 49		n.a.
S 15	21 54	19 30	1 29	21 6	1 23	13 11	1 7	5 18	0 19	15 47	0 54	12 48	2 10	21 33	0 40	23 11	0 22	9 54	8 48	23 16	23 18	0 46		n.a.
S 16	21 44	15 37	2 32	20 33	1 15	12 43	1 4	5 0	0 18	15 50	0 55	12 49	2 10	21 33	0 40	23 12	0 22	9 54	8 48	23 16	23 19	0 43		n.a.
M17	21 34	11 10	3 27	19 58	1 7	12 14	1 2	4 43	0 17	15 52	0 55	12 50	2 10	21 34	0 40	23 12	0 22	9 54	8 48	23 16	23 19	0 40		n.a.
T 18	21 23	6 20	4 12	19 22	0 58	11 46	0 59	4 25	0 17	15 54	0 55	12 51	2 10	21 35	0 40	23 12	0 22	9 54	8 48	23 16	23 19	0 37		n.a.
W19	21 12	1 20	4 46	18 45	0 48	11 17	0 56	4 8	0 16	15 57	0 55	12 52	2 11	21 35	0 40	23 12	0 22	9 55	8 48	23 16	23 19	0 34		n.a.
T 20	21 0	3s41	5 7	18 6	0 38	10 48	0 54	3 50	0 15	15 59	0 55	12 53	2 11	21 36	0 40	23 12	0 22	9 55	8 48	23 16	23 20	0 31		n.a.
F 21	20 48	8 35	5 15	17 27	0 27	10 19	0 51	3 33	0 14	16 1	0 55	12 53	2 11	21 36	0 40	23 12	0 22	9 55	8 49	23 17	23 20	0 28		n.a.
S 22	20 36	13 12	5 10	16 47	0 15	9 49	0 48	3 15	0 13	16 4	0 55	12 54	2 11	21 37	0 40	23 12	0 22	9 55	8 49	23 17	23 20	0 25		n.a.
S 23	20 23	17 22	4 51	16 6	0 2	9 19	0 45	2 58	0 12	16 6	0 55	12 55	2 11	21 37	0 40	23 12	0 22	9 55	8 49	23 17	23 20	0 22		n.a.
M24	20 10	20 53	4 19	15 26	0n11	8 49	0 42	2 40	0 11	16 8	0 55	12 56	2 11	21 38	0 40	23 12	0 22	9 55	8 49	23 17	23 21	0 19		n.a.
T 25	19 56	23 31	3 33	14 46	0 25	8 19	0 39	2 23	0 10	16 10	0 55	12 56	2 12	21 38	0 40	23 12	0 22	9 55	8 49	23 17	23 21	0 16		n.a.
W26	19 42	24 59	2 35	14 7	0 39	7 49	0 35	2 5	0 10	16 12	0 55	12 57	2 12	21 39	0 40	23 12	0 22	9 55	8 49	23 16	23 21	0 13		n.a.
T 27	19 28	25 4	1 26	13 29	0 54	7 18	0 32	1 48	0 9	16 14	0 55	12 58	2 12	21 39	0 40	23 13	0 22	9 56	8 50	23 16	23 21	0 10		n.a.
F 28	19 14	23 36	0 11	12 53	1 9	6 47	0 29	1 30	0 8	16 16	0 55	12 58	2 12	21 40	0 40	23 13	0 22	9 56	8 50	23 16	23 22	0 8		n.a.
S 29	18 59	20 36	1n 7	12 19	1 24	6 16	0 25	1 13	0 7	16 18	0 55	12 59	2 12	21 40	0 40	23 13	0 22	9 56	8 50	23 16	23 22	0 5		n.a.
S 30	18 43	16 13	2 23	11 46	1 39	5 45	0 22	0 56	0 6	16 20	0 55	12 59	2 12	21 41	0 40	23 13	0 22	9 56	8 50	23 16	23 22	0 2		n.a.
M31	18s28	10s48	3n30	11s17	1n54	5s14	0s18	0s38	0s 5	16s22	0n56	13s 0	2n13	21n41	0n40	23n13	0s21	9s56	8n50	23s17	23s22	0s 1		n.a.

Julian Day Number = 1639607.5, Delta T = 03h37m10s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'43, Lahiri = - 7°02'42 Julian Calendar 1 Jan. 224 BCE == Greg. Calendar 28 Dec. 225 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

FEBRUARY 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 29 3	9♒ 4'18	7♓42	26♒24	18♓46	29♓19	17♏36	10♏22	26°R48	6°R14	21♏59	10°R43	9♉33	19♍ 6	n.a.	T 1
W 2	8 33 0	10° 4'22	22°37	26°51	19°57	0♈ 1	17°43	10°24	26♋46	6♋13	22° 0	10♉39	9°30	19°13	n.a.	W 2
T 3	8 36 57	11° 4'25	7♈20	27° 9	21° 7	0°42	17°49	10°26	26°43	6°11	22° 0	10°35	9°26	19°20	n.a.	T 3
F 4	8 40 53	12° 4'25	21°47	27°R18	22°18	1°23	17°55	10°28	26°41	6°10	22° 1	10°33	9°23	19°27	n.a.	F 4
S 5	8 44 50	13° 4'24	5♉53	27°18	23°28	2° 5	18° 1	10°29	26°38	6° 9	22° 2	10°31	9°20	19°33	n.a.	S 5
S 6	8 48 46	14° 4'19	19°38	27° 9	24°38	2°46	18° 7	10°31	26°36	6° 7	22° 3	10°D31	9°17	19°40	n.a.	S 6
M 7	8 52 43	15° 4'13	3♊ 1	26°51	25°48	3°28	18°12	10°32	26°33	6° 6	22° 3	10°32	9°14	19°47	n.a.	M 7
T 8	8 56 39	16° 4'04	16° 6	26°25	26°58	4° 9	18°18	10°34	26°31	6° 5	22° 4	10°34	9°10	19°53	n.a.	T 8
W 9	9 0 36	17° 3'53	28°55	25°51	28° 7	4°50	18°23	10°35	26°29	6° 4	22° 4	10°35	9° 7	20° 0	n.a.	W 9
T 10	9 4 32	18° 3'39	11♋30	25°11	29°17	5°31	18°28	10°36	26°26	6° 3	22° 5	10°R36	9° 4	20° 7	n.a.	T 10
F 11	9 8 29	19° 3'24	23°53	24°26	0♈26	6°12	18°33	10°37	26°24	6° 1	22° 5	10°35	9° 1	20°14	n.a.	F 11
S 12	9 12 26	20° 3'06	6♌ 7	23°35	1°35	6°54	18°38	10°38	26°22	6° 0	22° 6	10°32	8°58	20°20	n.a.	S 12
S 13	9 16 22	21° 2'45	18°14	22°42	2°44	7°35	18°43	10°39	26°19	5°59	22° 6	10°27	8°55	20°27	n.a.	S 13
M14	9 20 19	22° 2'23	0♍15	21°46	3°53	8°16	18°47	10°40	26°17	5°58	22° 7	10°20	8°51	20°34	n.a.	M14
T 15	9 24 15	23° 1'59	12°11	20°50	5° 2	8°57	18°52	10°41	26°15	5°57	22° 7	10°12	8°48	20°40	n.a.	T 15
W16	9 28 12	24° 1'32	24° 4	19°53	6°10	9°38	18°56	10°41	26°12	5°56	22° 8	10° 4	8°45	20°47	n.a.	W16
T 17	9 32 8	25° 1'04	5♎56	18°59	7°19	10°19	19° 0	10°42	26°10	5°55	22° 8	9°55	8°42	20°54	n.a.	T 17
F 18	9 36 5	26° 0'33	17°49	18° 7	8°27	11° 0	19° 4	10°42	26° 8	5°54	22° 8	9°48	8°39	21° 1	n.a.	F 18
S 19	9 40 1	27° 0'01	29°47	17°18	9°35	11°41	19° 7	10°42	26° 6	5°53	22° 9	9°43	8°36	21° 7	n.a.	S 19
S 20	9 43 58	27°59'26	11♏53	16°34	10°43	12°22	19°11	10°43	26° 4	5°52	22° 9	9°39	8°32	21°14	n.a.	S 20
M21	9 47 54	28°58'50	24°11	15°54	11°51	13° 3	19°14	10°R43	26° 2	5°51	22° 9	9°D37	8°29	21°21	n.a.	M21
T 22	9 51 51	29°58'12	6♐46	15°20	12°58	13°43	19°17	10°43	26° 0	5°50	22° 9	9°37	8°26	21°27	n.a.	T 22
W23	9 55 48	0♓57'32	19°42	14°51	14° 5	14°24	19°20	10°43	25°58	5°50	22° 9	9°38	8°23	21°34	n.a.	W23
T 24	9 59 44	1°56'51	3♑ 4	14°28	15°13	15° 5	19°23	10°42	25°56	5°49	22° 9	9°R39	8°20	21°41	n.a.	T 24
F 25	10 3 41	2°56'07	16°54	14°11	16°20	15°46	19°25	10°42	25°54	5°48	22° 9	9°39	8°16	21°48	n.a.	F 25
S 26	10 7 37	3°55'22	1♒12	14° 0	17°26	16°26	19°28	10°42	25°52	5°47	22°R 9	9°37	8°13	21°54	n.a.	S 26
S 27	10 11 34	4°54'34	15°56	13°D55	18°33	17° 7	19°30	10°41	25°50	5°47	22° 9	9°33	8°10	22° 1	n.a.	S 27
M28	10 15 30	5♓53'45	1♓ 0	13♒55	19♈39	17♈48	19♏32	10♏41	25♋48	5♋46	22♏ 9	9♉27	8♉ 7	22♍ 8	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s12	4s43	4n23	10s51	2n 9	4s43	0s15	0s21	0s 5	16s24	0n56	13s 0	2n13	21n42	0n40	23n13	0s21	9s56	8n51	23s17	23s22	0s 4		n.a.
W 2	17 56	1n35	4 57	10 27	2 24	4 12	0 11	0 3	0 4	16 25	0 56	13 1	2 13	21 42	0 40	23 13	0 21	9 56	8 51	23 17	23 23	0 7		n.a.
T 3	17 39	7 43	5 12	10 8	2 38	3 40	0 7	0n14	0 3	16 27	0 56	13 1	2 13	21 43	0 40	23 13	0 21	9 56	8 51	23 18	23 23	0 10		n.a.
F 4	17 23	13 19	5 7	9 53	2 51	3 9	0 4	0 32	0 2	16 29	0 56	13 2	2 13	21 43	0 40	23 13	0 21	9 56	8 51	23 18	23 23	0 13		n.a.
S 5	17 5	18 4	4 43	9 41	3 3	2 37	0n 0	0 49	0 1	16 30	0 56	13 2	2 14	21 44	0 40	23 13	0 21	9 56	8 51	23 18	23 23	0 16		n.a.
S 6	16 48	21 44	4 3	9 34	3 15	2 6	0 4	1 6	0 1	16 32	0 56	13 2	2 14	21 44	0 40	23 13	0 21	9 56	8 51	23 18	23 24	0 19		n.a.
M 7	16 30	24 8	3 11	9 30	3 25	1 34	0 8	1 24	0n 0	16 33	0 56	13 2	2 14	21 45	0 40	23 13	0 21	9 56	8 52	23 18	23 24	0 22		n.a.
T 8	16 12	25 8	2 10	9 31	3 33	1 2	0 12	1 41	0 1	16 35	0 56	13 3	2 14	21 45	0 40	23 14	0 21	9 56	8 52	23 18	23 24	0 25		n.a.
W 9	15 54	24 46	1 3	9 37	3 40	0 31	0 16	1 58	0 2	16 36	0 56	13 3	2 14	21 46	0 40	23 14	0 21	9 56	8 52	23 18	23 24	0 28		n.a.
T 10	15 36	23 8	0s 5	9 45	3 44	0n 1	0 20	2 15	0 3	16 38	0 56	13 3	2 14	21 46	0 40	23 14	0 21	9 56	8 52	23 18	23 25	0 30		n.a.
F 11	15 17	20 24	1 12	9 58	3 47	0 32	0 24	2 33	0 3	16 39	0 56	13 3	2 15	21 46	0 40	23 14	0 21	9 56	8 52	23 18	23 25	0 33		n.a.
S 12	14 58	16 48	2 14	10 14	3 48	1 4	0 28	2 50	0 4	16 40	0 56	13 3	2 15	21 47	0 40	23 14	0 21	9 56	8 53	23 18	23 25	0 36		n.a.
S 13	14 39	12 32	3 10	10 32	3 47	1 36	0 32	3 7	0 5	16 41	0 57	13 4	2 15	21 47	0 40	23 14	0 21	9 55	8 53	23 18	23 25	0 39		n.a.
M14	14 20	7 50	3 56	10 53	3 44	2 7	0 36	3 24	0 6	16 43	0 57	13 4	2 15	21 48	0 40	23 14	0 21	9 55	8 53	23 19	23 25	0 42		n.a.
T 15	14 0	2 53	4 32	11 16	3 39	2 38	0 41	3 41	0 6	16 44	0 57	13 4	2 15	21 48	0 40	23 14	0 21	9 55	8 53	23 20	23 26	0 45		n.a.
W16	13 40	2s 8	4 56	11 40	3 32	3 10	0 45	3 58	0 7	16 45	0 57	13 4	2 16	21 49	0 40	23 14	0 21	9 55	8 53	23 20	23 26	0 48		n.a.
T 17	13 20	7 4	5 7	12 5	3 24	3 41	0 49	4 15	0 8	16 46	0 57	13 4	2 16	21 49	0 40	23 14	0 21	9 55	8 54	23 21	23 26	0 51		n.a.
F 18	13 0	11 45	5 5	12 30	3 14	4 12	0 53	4 32	0 8	16 47	0 57	13 4	2 16	21 49	0 40	23 14	0 21	9 55	8 54	23 21	23 26	0 54		n.a.
S 19	12 39	16 2	4 49	12 56	3 3	4 43	0 58	4 49	0 9	16 48	0 57	13 4	2 16	21 50	0 40	23 14	0 21	9 55	8 54	23 22	23 26	0 57		n.a.
S 20	12 19	19 42	4 21	13 21	2 51	5 14	1 2	5 5	0 10	16 49	0 57	13 3	2 16	21 50	0 40	23 14	0 21	9 55	8 54	23 22	23 27	1 0		n.a.
M21	11 58	22 35	3 40	13 45	2 37	5 45	1 6	5 22	0 11	16 49	0 57	13 3	2 16	21 51	0 40	23 14	0 21	9 55	8 54	23 22	23 27	1 2		n.a.
T 22	11 37	24 27	2 48	14 9	2 24	6 16	1 11	5 39	0 11	16 50	0 57	13 3	2 17	21 51	0 40	23 15	0 21	9 54	8 55	23 22	23 27	1 5		n.a.
W23	11 16	25 4	1 45	14 31	2 9	6 46	1 15	5 56	0 12	16 51	0 57	13 3	2 17	21 51	0 40	23 15	0 21	9 54	8 55	23 22	23 27	1 8		n.a.
T 24	10 54	24 17	0 35	14 52	1 54	7 16	1 19	6 12	0 13	16 52	0 57	13 3	2 17	21 52	0 40	23 15	0 21	9 54	8 55	23 22	23 27	1 11		n.a.
F 25	10 33	22 0	0n39	15 11	1 40	7 47	1 24	6 29	0 13	16 52	0 58	13 2	2 17	21 52	0 40	23 15	0 21	9 54	8 55	23 22	23 28	1 14		n.a.
S 26	10 11	18 18	1 53	15 28	1 25	8 17	1 28	6 45	0 14	16 53	0 58	13 2	2 17	21 52	0 40	23 15	0 21	9 54	8 55	23 22	23 28	1 17		n.a.
S 27	9 49	13 22	3 2	15 44	1 10	8 46	1 32	7 2	0 15	16 53	0 58	13 2	2 18	21 53	0 40	23 15	0 21	9 54	8 56	23 22	23 28	1 20		n.a.
M28	9s27	7s31	3n59	15s58	0n55	9n16	1n37	7n18	0n15	16s54	0n58	13s 1	2n18	21n53	0n40	23n15	0s21	9s53	8n56	23s23	23s28	1s23		n.a.

Julian Day Number = 1639638.5, Delta T = 03h37m09s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'39, Lahiri = - 7°02'38 Julian Calendar 1 Feb. 224 BCE == Greg. Calendar 28 Jan. 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

MARCH 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 19 27	6♓52'53	16♓15	14♒ 1	20♈45	18♈28	19♏34	10°R40	25°R46	5°R45	22°R 9	9°R18	8♉ 4	22♍15	n.a.	T 1
W 2	10 23 23	7°51'59	1♈30	14°13	21°51	19° 9	19°36	10♏39	25♋45	5♋45	22♏ 9	9♉ 9	8° 1	22°21	n.a.	W 2
T 3	10 27 20	8°51'02	16°35	14°29	22°57	19°50	19°37	10°38	25°43	5°44	22° 9	9° 1	7°57	22°28	n.a.	T 3
F 4	10 31 17	9°50'04	1♉19	14°50	24° 2	20°30	19°38	10°37	25°41	5°43	22° 9	8°54	7°54	22°35	n.a.	F 4
S 5	10 35 13	10°49'03	15°38	15°16	25° 7	21°11	19°39	10°36	25°40	5°43	22° 9	8°49	7°51	22°41	n.a.	S 5
S 6	10 39 10	11°48'00	29°30	15°47	26°12	21°51	19°40	10°35	25°38	5°42	22° 9	8°46	7°48	22°48	n.a.	S 6
M 7	10 43 6	12°46'54	12♊55	16°21	27°17	22°31	19°41	10°34	25°36	5°42	22° 8	8°D46	7°45	22°55	n.a.	M 7
T 8	10 47 3	13°45'46	25°55	17° 0	28°21	23°12	19°42	10°32	25°35	5°42	22° 8	8°46	7°42	23° 2	n.a.	T 8
W 9	10 50 59	14°44'35	8♋35	17°42	29°25	23°52	19°42	10°31	25°33	5°41	22° 8	8°R47	7°38	23° 8	n.a.	W 9
T 10	10 54 56	15°43'23	20°59	18°28	0♌29	24°33	19°R42	10°29	25°32	5°41	22° 7	8°46	7°35	23°15	n.a.	T 10
F 11	10 58 52	16°42'07	3♌11	19°18	1°32	25°13	19°42	10°28	25°31	5°40	22° 7	8°43	7°32	23°22	n.a.	F 11
S 12	11 2 49	17°40'50	15°15	20°10	2°36	25°53	19°42	10°26	25°29	5°40	22° 6	8°38	7°29	23°28	n.a.	S 12
S 13	11 6 46	18°39'30	27°12	21° 6	3°39	26°33	19°41	10°24	25°28	5°40	22° 6	8°30	7°26	23°35	n.a.	S 13
M14	11 10 42	19°38'08	9♍ 7	22° 5	4°41	27°14	19°41	10°22	25°27	5°40	22° 6	8°19	7°22	23°42	n.a.	M14
T 15	11 14 39	20°36'44	20°59	23° 6	5°43	27°54	19°40	10°20	25°26	5°39	22° 5	8° 6	7°19	23°49	n.a.	T 15
W16	11 18 35	21°35'18	2♎52	24°11	6°45	28°34	19°39	10°18	25°25	5°39	22° 4	7°53	7°16	23°55	n.a.	W16
T 17	11 22 32	22°33'50	14°46	25°17	7°47	29°14	19°38	10°16	25°24	5°39	22° 4	7°40	7°13	24° 2	n.a.	T 17
F 18	11 26 28	23°32'20	26°42	26°26	8°48	29°54	19°37	10°14	25°23	5°39	22° 3	7°28	7°10	24° 9	n.a.	F 18
S 19	11 30 25	24°30'48	8♏44	27°38	9°49	0♌34	19°35	10°11	25°22	5°39	22° 3	7°18	7° 7	24°15	n.a.	S 19
S 20	11 34 21	25°29'15	20°52	28°52	10°49	1°14	19°33	10° 9	25°21	5°39	22° 2	7°11	7° 3	24°22	n.a.	S 20
M21	11 38 18	26°27'39	3♐12	0♓ 8	11°50	1°54	19°31	10° 6	25°20	5°D39	22° 1	7° 7	7° 0	24°29	n.a.	M21
T 22	11 42 14	27°26'02	15°45	1°26	12°49	2°34	19°29	10° 4	25°19	5°39	22° 1	7° 5	6°57	24°36	n.a.	T 22
W23	11 46 11	28°24'24	28°38	2°47	13°49	3°14	19°27	10° 1	25°18	5°39	22° 0	7° 4	6°54	24°42	n.a.	W23
T 24	11 50 8	29°22'43	11♑53	4° 9	14°48	3°54	19°25	9°58	25°17	5°39	21°59	7° 4	6°51	24°49	n.a.	T 24
F 25	11 54 4	0♈21'02	25°34	5°34	15°46	4°34	19°22	9°56	25°17	5°39	21°58	7° 3	6°47	24°56	n.a.	F 25
S 26	11 58 1	1°19'18	9♒43	7° 0	16°44	5°14	19°19	9°53	25°16	5°39	21°57	7° 1	6°44	25° 2	n.a.	S 26
S 27	12 1 57	2°17'33	24°19	8°28	17°42	5°54	19°16	9°50	25°16	5°40	21°57	6°55	6°41	25° 9	n.a.	S 27
M28	12 5 54	3°15'46	9♓18	9°59	18°39	6°33	19°13	9°47	25°15	5°40	21°56	6°47	6°38	25°16	n.a.	M28
T 29	12 9 50	4°13'57	24°32	11°31	19°35	7°13	19°10	9°44	25°15	5°40	21°55	6°37	6°35	25°23	n.a.	T 29
W30	12 13 47	5°12'07	9♈51	13° 5	20°31	7°53	19° 6	9°40	25°14	5°40	21°54	6°26	6°32	25°29	n.a.	W30
T 31	12 17 43	6♈10'14	25♈ 4	14♓41	21♉27	8♉33	19♏ 3	9♏37	25♋14	5♋41	21♏53	6♉16	6♉28	25♍36	n.a.	T 31

Day	☉	☽			☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9s 5	1s11	4n40		16s10	0n41	9n45	1n41	7n34	0n16	16s54	0n58	13s 1	2n18	21n53	0n40	23n15	0s21	9s53	8n56	23s24	23s28	1s26			n.a.
W 2	8 43	5n13	5 2		16 20	0 27	10 14	1 46	7 50	0 17	16 55	0 58	13 1	2 18	21 54	0 40	23 15	0 21	9 53	8 56	23 24	23 29	1 29			n.a.
T 3	8 21	11 13	5 2		16 28	0 13	10 43	1 50	8 6	0 17	16 55	0 58	13 0	2 18	21 54	0 40	23 15	0 21	9 53	8 56	23 25	23 29	1 31			n.a.
F 4	7 58	16 28	4 42		16 35	0s 0	11 12	1 54	8 23	0 18	16 55	0 58	13 0	2 18	21 54	0 40	23 15	0 21	9 52	8 57	23 25	23 29	1 34			n.a.
S 5	7 36	20 36	4 4		16 39	0 13	11 40	1 59	8 39	0 19	16 55	0 58	12 59	2 19	21 55	0 40	23 15	0 21	9 52	8 57	23 26	23 29	1 37			n.a.
S 6	7 13	23 26	3 13		16 42	0 25	12 8	2 3	8 54	0 19	16 56	0 58	12 59	2 19	21 55	0 40	23 15	0 21	9 52	8 57	23 26	23 29	1 40			n.a.
M 7	6 50	24 49	2 13		16 43	0 37	12 36	2 7	9 10	0 20	16 56	0 58	12 58	2 19	21 55	0 40	23 15	0 21	9 52	8 57	23 26	23 30	1 43			n.a.
T 8	6 28	24 48	1 8		16 41	0 48	13 3	2 11	9 26	0 20	16 56	0 58	12 58	2 19	21 55	0 39	23 15	0 21	9 52	8 57	23 26	23 30	1 46			n.a.
W 9	6 5	23 27	0 1		16 38	0 59	13 31	2 16	9 42	0 21	16 56	0 58	12 57	2 19	21 56	0 39	23 15	0 21	9 51	8 58	23 26	23 30	1 49			n.a.
T 10	5 42	21 0	1s 5		16 34	1 9	13 57	2 20	9 57	0 22	16 56	0 58	12 56	2 19	21 56	0 39	23 15	0 21	9 51	8 58	23 26	23 30	1 52			n.a.
F 11	5 19	17 38	2 6		16 27	1 19	14 24	2 24	10 13	0 22	16 56	0 59	12 56	2 19	21 56	0 39	23 15	0 21	9 51	8 58	23 26	23 30	1 54			n.a.
S 12	4 55	13 35	3 1		16 19	1 28	14 50	2 28	10 28	0 23	16 56	0 59	12 55	2 20	21 56	0 39	23 15	0 21	9 50	8 58	23 26	23 31	1 57			n.a.
S 13	4 32	9 2	3 47		16 9	1 36	15 16	2 32	10 44	0 23	16 55	0 59	12 54	2 20	21 57	0 39	23 15	0 21	9 50	8 58	23 27	23 31	2 0			n.a.
M14	4 9	4 11	4 23		15 57	1 44	15 41	2 37	10 59	0 24	16 55	0 59	12 54	2 20	21 57	0 39	23 15	0 21	9 50	8 58	23 28	23 31	2 3			n.a.
T 15	3 46	0s47	4 48		15 43	1 51	16 6	2 41	11 14	0 25	16 55	0 59	12 53	2 20	21 57	0 39	23 15	0 21	9 50	8 59	23 28	23 31	2 6			n.a.
W16	3 22	5 43	4 59		15 28	1 58	16 31	2 45	11 29	0 25	16 55	0 59	12 52	2 20	21 57	0 39	23 16	0 21	9 49	8 59	23 29	23 31	2 9			n.a.
T 17	2 59	10 27	4 58		15 11	2 4	16 55	2 49	11 44	0 26	16 54	0 59	12 51	2 20	21 57	0 39	23 16	0 20	9 49	8 59	23 30	23 31	2 12			n.a.
F 18	2 36	14 49	4 44		14 53	2 10	17 19	2 53	11 59	0 26	16 54	0 59	12 50	2 21	21 57	0 39	23 16	0 20	9 49	8 59	23 31	23 32	2 15			n.a.
S 19	2 12	18 38	4 17		14 32	2 15	17 43	2 56	12 14	0 27	16 53	0 59	12 49	2 21	21 58	0 39	23 16	0 20	9 48	8 59	23 31	23 32	2 17			n.a.
S 20	1 49	21 41	3 38		14 11	2 19	18 6	3 0	12 28	0 27	16 53	0 59	12 49	2 21	21 58	0 39	23 16	0 20	9 48	8 59	23 32	23 32	2 20			n.a.
M21	1 25	23 48	2 49		13 47	2 23	18 28	3 4	12 43	0 28	16 52	0 59	12 48	2 21	21 58	0 39	23 16	0 20	9 48	9 0	23 32	23 32	2 23			n.a.
T 22	1 2	24 47	1 50		13 22	2 26	18 51	3 8	12 57	0 29	16 52	0 59	12 47	2 21	21 58	0 39	23 16	0 20	9 47	9 0	23 32	23 32	2 26			n.a.
W23	0 38	24 27	0 45		12 55	2 29	19 12	3 11	13 12	0 29	16 51	0 59	12 46	2 21	21 58	0 39	23 16	0 20	9 47	9 0	23 32	23 32	2 29			n.a.
T 24	0 15	22 46	0n25		12 27	2 31	19 34	3 15	13 26	0 30	16 50	0 59	12 45	2 21	21 58	0 39	23 16	0 20	9 47	9 0	23 32	23 33	2 32			n.a.
F 25	0n 8	19 42	1 36		11 57	2 33	19 54	3 18	13 40	0 30	16 50	0 59	12 44	2 21	21 58	0 39	23 16	0 20	9 46	9 0	23 32	23 33	2 35			n.a.
S 26	0 32	15 24	2 43		11 25	2 34	20 15	3 21	13 54	0 31	16 49	0 59	12 43	2 22	21 58	0 39	23 16	0 20	9 46	9 0	23 32	23 33	2 37			n.a.
S 27	0 55	10 5	3 42		10 52	2 35	20 35	3 25	14 8	0 31	16 48	0 59	12 42	2 22	21 59	0 39	23 16	0 20	9 46	9 0	23 32	23 33	2 40			n.a.
M28	1 19	4 4	4 27		10 18	2 35	20 54	3 28	14 22	0 32	16 47	1 0	12 41	2 22	21 59	0 39	23 16	0 20	9 45	9 1	23 33	23 33	2 43			n.a.
T 29	1 42	2n17	4 54		9 42	2 34	21 13	3 31	14 36	0 32	16 46	1 0	12 40	2 22	21 59	0 39	23 16	0 20	9 45	9 1	23 33	23 33	2 46			n.a.
W30	2 5	8 32	5 0		9 4	2 33	21 32	3 34	14 49	0 33	16 45	1 0	12 38	2 22	21 59	0 39	23 16	0 20	9 45	9 1	23 34	23 34	2 49			n.a.
T 31	2n29	14n13	4n44		8s25	2s31	21n49	3n37	15n 3	0n33	16s44	1n 0	12s37	2n22	21n59	0n39	23n16	0s20	9s44	9n 1	23s34	23s34	2s52			n.a.

Julian Day Number = 1639666.5, Delta T = 03h37m08s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'35, Lahiri = - 7°02'34 Julian Calendar 1 March 224 BCE == Greg. Calendar 25 Feb. 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

APRIL 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 21 40	7♈ 8'20	9♉59	16♓18	22♉22	9♉12	18°R59	9°R34	25°R13	5♋41	21°R52	6°R 6	6♑25	25♍43	n.a.	F 1
S 2	12 25 37	8° 6'24	24°29	17°58	23°17	9°52	18♏55	9♏31	25♋13	5°41	21♏51	6♑ 0	6°22	25°50	n.a.	S 2
S 3	12 29 33	9° 4'26	8♊30	19°40	24°11	10°32	18°50	9°27	25°13	5°42	21°50	5°55	6°19	25°56	n.a.	S 3
M 4	12 33 30	10° 2'27	22° 1	21°23	25° 4	11°11	18°46	9°24	25°13	5°42	21°49	5°54	6°16	26° 3	n.a.	M 4
T 5	12 37 26	11° 0'25	5♋ 5	23° 8	25°57	11°51	18°42	9°20	25°13	5°43	21°48	5°53	6°13	26°10	n.a.	T 5
W 6	12 41 23	11°58'21	17°46	24°55	26°49	12°31	18°37	9°16	25°D13	5°43	21°47	5°53	6° 9	26°16	n.a.	W 6
T 7	12 45 19	12°56'15	0♌ 8	26°44	27°40	13°10	18°32	9°13	25°13	5°44	21°46	5°52	6° 6	26°23	n.a.	T 7
F 8	12 49 16	13°54'07	12°16	28°35	28°31	13°50	18°27	9° 9	25°13	5°44	21°44	5°50	6° 3	26°30	n.a.	F 8
S 9	12 53 12	14°51'57	24°15	0♈27	29°21	14°29	18°22	9° 5	25°13	5°45	21°43	5°44	6° 0	26°37	n.a.	S 9
S 10	12 57 9	15°49'46	6♍ 8	2°22	0♊10	15° 9	18°17	9° 1	25°13	5°46	21°42	5°36	5°57	26°43	n.a.	S 10
M11	13 1 5	16°47'33	18° 0	4°18	0°58	15°48	18°12	8°58	25°13	5°46	21°41	5°26	5°53	26°50	n.a.	M11
T 12	13 5 2	17°45'18	29°52	6°16	1°46	16°27	18° 6	8°54	25°14	5°47	21°40	5°13	5°50	26°57	n.a.	T 12
W13	13 8 59	18°43'01	11♎46	8°16	2°33	17° 7	18° 0	8°50	25°14	5°48	21°38	5° 0	5°47	27° 3	n.a.	W13
T 14	13 12 55	19°40'43	23°45	10°18	3°19	17°46	17°55	8°46	25°14	5°49	21°37	4°47	5°44	27°10	n.a.	T 14
F 15	13 16 52	20°38'24	5♏48	12°21	4° 4	18°25	17°49	8°42	25°15	5°49	21°36	4°35	5°41	27°17	n.a.	F 15
S 16	13 20 48	21°36'03	17°58	14°26	4°48	19° 5	17°43	8°38	25°15	5°50	21°35	4°25	5°38	27°24	n.a.	S 16
S 17	13 24 45	22°33'41	0♐16	16°32	5°31	19°44	17°36	8°33	25°16	5°51	21°33	4°18	5°34	27°30	n.a.	S 17
M18	13 28 41	23°31'17	12°44	18°40	6°13	20°23	17°30	8°29	25°16	5°52	21°32	4°14	5°31	27°37	n.a.	M18
T 19	13 32 38	24°28'53	25°24	20°49	6°54	21° 2	17°24	8°25	25°17	5°53	21°31	4°12	5°28	27°44	n.a.	T 19
W20	13 36 34	25°26'27	8♑20	22°59	7°34	21°42	17°17	8°21	25°18	5°54	21°29	4°D11	5°25	27°51	n.a.	W20
T 21	13 40 31	26°24'01	21°34	25° 9	8°13	22°21	17°11	8°17	25°19	5°55	21°28	4°R12	5°22	27°57	n.a.	T 21
F 22	13 44 28	27°21'33	5♒10	27°20	8°51	23° 0	17° 4	8°12	25°19	5°56	21°26	4°12	5°18	28° 4	n.a.	F 22
S 23	13 48 24	28°19'05	19°10	29°32	9°28	23°39	16°57	8° 8	25°20	5°57	21°25	4°10	5°15	28°11	n.a.	S 23
S 24	13 52 21	29°16'35	3♓32	1♉43	10° 3	24°18	16°50	8° 4	25°21	5°58	21°24	4° 6	5°12	28°17	n.a.	S 24
M25	13 56 17	0♉14'05	18°16	3°55	10°37	24°57	16°43	7°59	25°22	5°59	21°22	4° 0	5° 9	28°24	n.a.	M25
T 26	14 0 14	1°11'33	3♈15	6° 5	11°10	25°36	16°36	7°55	25°23	6° 0	21°21	3°52	5° 6	28°31	n.a.	T 26
W27	14 4 10	2° 9'01	18°21	8°15	11°41	26°16	16°29	7°51	25°24	6° 1	21°19	3°43	5° 3	28°38	n.a.	W27
T 28	14 8 7	3° 6'27	3♉25	10°24	12°11	26°55	16°22	7°46	25°25	6° 3	21°18	3°34	4°59	28°44	n.a.	T 28
F 29	14 12 3	4° 3'53	18°15	12°31	12°39	27°34	16°15	7°42	25°27	6° 4	21°16	3°26	4°56	28°51	n.a.	F 29
S 30	14 16 0	5♉ 1'17	2♊45	14♉37	13♊ 6	28♉13	16♏ 7	7♏38	25♋28	6♋ 5	21♏15	3♑20	4♑53	28♍58	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n52	18n55	4n10	7s45	2s29	22n 7	3n40	15n16	0n34	16s43	1n 0	12s36	2n22	21n59	0n39	23n16	0s20	9s44	9n 1	23s35	23s34	2s54		n.a.
S 2	3 15	22 20	3 20	7 3	2 26	22 24	3 42	15 29	0 34	16 42	1 0	12 35	2 22	21 59	0 39	23 16	0 20	9 44	9 1	23 35	23 34	2 57		n.a.
S 3	3 38	24 16	2 19	6 20	2 23	22 40	3 45	15 42	0 35	16 41	1 0	12 34	2 22	21 59	0 39	23 16	0 20	9 43	9 1	23 35	23 34	3 0		n.a.
M 4	4 1	24 41	1 13	5 35	2 19	22 56	3 48	15 55	0 35	16 39	1 0	12 33	2 22	21 59	0 39	23 16	0 20	9 43	9 1	23 35	23 34	3 3		n.a.
T 5	4 24	23 42	0 4	4 49	2 15	23 11	3 50	16 8	0 36	16 38	1 0	12 31	2 22	21 59	0 39	23 16	0 20	9 42	9 1	23 35	23 35	3 6		n.a.
W 6	4 47	21 30	1s 2	4 1	2 10	23 26	3 52	16 21	0 36	16 37	1 0	12 30	2 23	21 59	0 39	23 16	0 20	9 42	9 2	23 35	23 35	3 9		n.a.
T 7	5 10	18 20	2 4	3 12	2 4	23 40	3 54	16 34	0 37	16 35	1 0	12 29	2 23	21 59	0 39	23 16	0 20	9 42	9 2	23 35	23 35	3 11		n.a.
F 8	5 33	14 27	3 0	2 22	1 58	23 54	3 56	16 46	0 37	16 34	1 0	12 28	2 23	21 59	0 39	23 16	0 20	9 41	9 2	23 36	23 35	3 14		n.a.
S 9	5 55	10 3	3 46	1 31	1 52	24 7	3 58	16 58	0 38	16 33	1 0	12 26	2 23	21 59	0 39	23 16	0 20	9 41	9 2	23 36	23 35	3 17		n.a.
S 10	6 18	5 19	4 22	0 39	1 45	24 19	4 0	17 11	0 38	16 31	1 0	12 25	2 23	21 59	0 39	23 16	0 20	9 41	9 2	23 36	23 35	3 20		n.a.
M11	6 40	0 24	4 47	0n15	1 37	24 31	4 1	17 23	0 39	16 30	1 0	12 24	2 23	21 59	0 39	23 16	0 20	9 40	9 2	23 37	23 35	3 23		n.a.
T 12	7 3	4s30	4 59	1 10	1 29	24 43	4 2	17 35	0 39	16 28	1 0	12 23	2 23	21 58	0 39	23 16	0 20	9 40	9 2	23 37	23 36	3 26		n.a.
W13	7 25	9 16	4 58	2 5	1 21	24 54	4 4	17 47	0 40	16 27	1 0	12 21	2 23	21 58	0 39	23 16	0 20	9 39	9 2	23 38	23 36	3 28		n.a.
T 14	7 47	13 43	4 44	3 2	1 12	25 4	4 5	17 58	0 40	16 25	1 0	12 20	2 23	21 58	0 38	23 16	0 20	9 39	9 2	23 38	23 36	3 31		n.a.
F 15	8 9	17 39	4 18	3 59	1 3	25 13	4 5	18 10	0 41	16 23	1 0	12 19	2 23	21 58	0 38	23 16	0 20	9 39	9 2	23 39	23 36	3 34		n.a.
S 16	8 31	20 53	3 39	4 57	0 53	25 23	4 6	18 21	0 41	16 22	1 0	12 17	2 23	21 58	0 38	23 16	0 20	9 38	9 2	23 39	23 36	3 37		n.a.
S 17	8 53	23 12	2 49	5 55	0 43	25 31	4 6	18 32	0 41	16 20	1 0	12 16	2 23	21 58	0 38	23 16	0 20	9 38	9 2	23 39	23 36	3 40		n.a.
M18	9 14	24 26	1 51	6 53	0 33	25 39	4 7	18 44	0 42	16 18	1 0	12 15	2 23	21 58	0 38	23 16	0 20	9 38	9 2	23 39	23 36	3 43		n.a.
T 19	9 36	24 25	0 47	7 52	0 23	25 46	4 7	18 55	0 42	16 16	1 0	12 13	2 23	21 58	0 38	23 16	0 20	9 37	9 2	23 39	23 36	3 45		n.a.
W20	9 57	23 5	0n22	8 51	0 12	25 53	4 7	19 5	0 43	16 15	1 0	12 12	2 23	21 57	0 38	23 16	0 20	9 37	9 3	23 39	23 37	3 48		n.a.
T 21	10 18	20 28	1 31	9 49	0 2	25 59	4 6	19 16	0 43	16 13	1 0	12 10	2 23	21 57	0 38	23 16	0 20	9 36	9 3	23 39	23 37	3 51		n.a.
F 22	10 39	16 40	2 37	10 47	0n 9	26 5	4 6	19 27	0 44	16 11	1 0	12 9	2 23	21 57	0 38	23 16	0 20	9 36	9 3	23 39	23 37	3 54		n.a.
S 23	11 0	11 51	3 35	11 44	0 19	26 10	4 5	19 37	0 44	16 9	0 59	12 8	2 23	21 57	0 38	23 16	0 20	9 36	9 3	23 39	23 37	3 57		n.a.
S 24	11 21	6 16	4 22	12 41	0 30	26 14	4 4	19 47	0 44	16 7	0 59	12 6	2 23	21 57	0 38	23 16	0 20	9 35	9 3	23 39	23 37	3 59		n.a.
M25	11 41	0 13	4 52	13 36	0 40	26 18	4 2	19 57	0 45	16 5	0 59	12 5	2 23	21 56	0 38	23 16	0 20	9 35	9 3	23 40	23 37	4 2		n.a.
T 26	12 2	5n56	5 3	14 30	0 50	26 21	4 1	20 7	0 45	16 3	0 59	12 3	2 23	21 56	0 38	23 16	0 20	9 35	9 3	23 40	23 37	4 5		n.a.
W27	12 22	11 48	4 54	15 22	1 0	26 24	3 59	20 17	0 46	16 1	0 59	12 2	2 23	21 56	0 38	23 15	0 20	9 34	9 3	23 40	23 38	4 8		n.a.
T 28	12 42	16 55	4 24	16 12	1 9	26 25	3 56	20 27	0 46	15 59	0 59	12 1	2 23	21 56	0 38	23 15	0 20	9 34	9 3	23 40	23 38	4 10		n.a.
F 29	13 1	20 55	3 36	17 0	1 17	26 27	3 54	20 36	0 46	15 57	0 59	11 59	2 23	21 56	0 38	23 15	0 20	9 33	9 3	23 41	23 38	4 13		n.a.
S 30	13n21	23n30	2n36	17n46	1n26	26n28	3n51	20n45	0n47	15s55	0n59	11s58	2n23	21n55	0n38	23n15	0s19	9s33	9n 3	23s41	23s38	4s16		n.a.

Julian Day Number = 1639697.5, Delta T = 03h37m07s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'31, Lahiri = - 7°02'30 Julian Calendar 1 Apr. 224 BCE == Greg. Calendar 28 March 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

MAY 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 19 57	5♉58'40	16♊49	16♉41	13♊32	28♉52	16°R 0	7°R33	25♋29	6♋ 6	21°R13	3°R17	4♑50	29♍ 4	n.a.	S 1
M 2	14 23 53	6°56'03	0♋25	18°44	13°55	29°31	15♏53	7♏29	25°30	6° 8	21♏12	3°D16	4°47	29°11	n.a.	M 2
T 3	14 27 50	7°53'23	13°34	20°44	14°17	0♊ 9	15°45	7°24	25°32	6° 9	21°10	3♑16	4°44	29°18	n.a.	T 3
W 4	14 31 46	8°50'43	26°19	22°42	14°37	0°48	15°38	7°20	25°33	6°10	21° 9	3°17	4°40	29°25	n.a.	W 4
T 5	14 35 43	9°48'02	8♌44	24°38	14°55	1°27	15°30	7°16	25°35	6°12	21° 7	3°R18	4°37	29°31	n.a.	T 5
F 6	14 39 39	10°45'19	20°53	26°31	15°11	2° 6	15°22	7°11	25°36	6°13	21° 5	3°17	4°34	29°38	n.a.	F 6
S 7	14 43 36	11°42'35	2♍53	28°22	15°26	2°45	15°15	7° 7	25°38	6°15	21° 4	3°15	4°31	29°45	n.a.	S 7
S 8	14 47 32	12°39'50	14°46	0♊11	15°38	3°24	15° 7	7° 2	25°39	6°16	21° 2	3°10	4°28	29°52	n.a.	S 8
M 9	14 51 29	13°37'04	26°38	1°57	15°48	4° 3	15° 0	6°58	25°41	6°18	21° 1	3° 4	4°24	29°58	n.a.	M 9
T 10	14 55 26	14°34'17	8♎31	3°40	15°56	4°41	14°52	6°54	25°43	6°19	20°59	2°56	4°21	0♎ 5	n.a.	T 10
W11	14 59 22	15°31'29	20°29	5°21	16° 2	5°20	14°44	6°49	25°44	6°21	20°58	2°48	4°18	0°12	n.a.	W11
T 12	15 3 19	16°28'41	2♏34	6°59	16° 5	5°59	14°37	6°45	25°46	6°22	20°56	2°39	4°15	0°18	n.a.	T 12
F 13	15 7 15	17°25'52	14°48	8°35	16°R 7	6°38	14°29	6°41	25°48	6°24	20°54	2°31	4°12	0°25	n.a.	F 13
S 14	15 11 12	18°23'02	27°10	10° 8	16° 6	7°16	14°21	6°36	25°50	6°25	20°53	2°25	4° 9	0°32	n.a.	S 14
S 15	15 15 8	19°20'11	9♐43	11°38	16° 2	7°55	14°14	6°32	25°52	6°27	20°51	2°21	4° 5	0°39	n.a.	S 15
M16	15 19 5	20°17'21	22°26	13° 6	15°56	8°34	14° 6	6°28	25°54	6°29	20°50	2°19	4° 2	0°45	n.a.	M16
T 17	15 23 1	21°14'30	5♑22	14°30	15°48	9°12	13°59	6°24	25°56	6°30	20°48	2°D18	3°59	0°52	n.a.	T 17
W18	15 26 58	22°11'38	18°31	15°53	15°37	9°51	13°51	6°20	25°58	6°32	20°47	2°19	3°56	0°59	n.a.	W18
T 19	15 30 55	23° 8'47	1♒55	17°12	15°24	10°30	13°44	6°15	26° 0	6°34	20°45	2°20	3°53	1° 6	n.a.	T 19
F 20	15 34 51	24° 5'55	15°34	18°28	15° 9	11° 8	13°36	6°11	26° 2	6°35	20°43	2°22	3°50	1°12	n.a.	F 20
S 21	15 38 48	25° 3'03	29°31	19°42	14°51	11°47	13°29	6° 7	26° 5	6°37	20°42	2°R22	3°46	1°19	n.a.	S 21
S 22	15 42 44	26° 0'11	13♓43	20°53	14°31	12°26	13°21	6° 3	26° 7	6°39	20°40	2°21	3°43	1°26	n.a.	S 22
M23	15 46 41	26°57'19	28°10	22° 0	14° 9	13° 4	13°14	5°59	26° 9	6°41	20°39	2°18	3°40	1°32	n.a.	M23
T 24	15 50 37	27°54'27	12♈48	23° 5	13°45	13°43	13° 7	5°55	26°11	6°42	20°37	2°14	3°37	1°39	n.a.	T 24
W25	15 54 34	28°51'35	27°31	24° 7	13°18	14°21	13° 0	5°51	26°14	6°44	20°35	2° 9	3°34	1°46	n.a.	W25
T 26	15 58 31	29°48'43	12♉12	25° 5	12°50	15° 0	12°53	5°48	26°16	6°46	20°34	2° 4	3°30	1°53	n.a.	T 26
F 27	16 2 27	0♊45'51	26°44	26° 0	12°20	15°38	12°46	5°44	26°19	6°48	20°32	2° 1	3°27	1°59	n.a.	F 27
S 28	16 6 24	1°42'58	11♊ 0	26°51	11°49	16°17	12°39	5°40	26°21	6°50	20°31	1°58	3°24	2° 6	n.a.	S 28
S 29	16 10 20	2°40'06	24°56	27°39	11°16	16°55	12°32	5°36	26°24	6°52	20°29	1°56	3°21	2°13	n.a.	S 29
M30	16 14 17	3°37'14	8♋28	28°24	10°41	17°34	12°25	5°33	26°26	6°54	20°28	1°D56	3°18	2°20	n.a.	M30
T 31	16 18 13	4♊34'21	21♋37	29♊ 4	10♊ 6	18♊12	12♏19	5♏29	26♋29	6♋56	20♏26	1♑57	3♑15	2♎26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13n40	24n30	1n27	18n30	1n33	26n28	3n48	20n54	0n47	15s53	0n59	11s56	2n23	21n55	0n38	23n15	0s19	9s33	9n 3	23s41	23s38	4s19			n.a.
M 2	13 59	23 59	0 15	19 12	1 40	26 27	3 45	21 3	0 48	15 51	0 59	11 55	2 23	21 55	0 38	23 15	0 19	9 32	9 3	23 41	23 38	4 22			n.a.
T 3	14 18	22 7	0s55	19 51	1 46	26 26	3 41	21 12	0 48	15 49	0 59	11 54	2 23	21 54	0 38	23 15	0 19	9 32	9 3	23 41	23 38	4 24			n.a.
W 4	14 37	19 10	2 0	20 28	1 52	26 24	3 37	21 21	0 48	15 47	0 59	11 52	2 23	21 54	0 38	23 15	0 19	9 32	9 3	23 41	23 38	4 27			n.a.
T 5	14 55	15 25	2 58	21 3	1 57	26 22	3 32	21 29	0 49	15 45	0 59	11 51	2 23	21 54	0 38	23 15	0 19	9 31	9 3	23 41	23 38	4 30			n.a.
F 6	15 14	11 7	3 47	21 34	2 1	26 19	3 27	21 38	0 49	15 42	0 58	11 50	2 23	21 54	0 38	23 15	0 19	9 31	9 2	23 41	23 39	4 33			n.a.
S 7	15 32	6 27	4 25	22 4	2 5	26 16	3 22	21 46	0 49	15 40	0 58	11 48	2 23	21 53	0 38	23 15	0 19	9 31	9 2	23 41	23 39	4 36			n.a.
S 8	15 49	1 36	4 51	22 30	2 8	26 11	3 16	21 54	0 50	15 38	0 58	11 47	2 23	21 53	0 38	23 15	0 19	9 30	9 2	23 41	23 39	4 38			n.a.
M 9	16 7	3s18	5 5	22 55	2 10	26 6	3 10	22 2	0 50	15 36	0 58	11 45	2 23	21 53	0 38	23 15	0 19	9 30	9 2	23 41	23 39	4 41			n.a.
T 10	16 24	8 5	5 5	23 17	2 11	26 1	3 4	22 9	0 50	15 34	0 58	11 44	2 22	21 52	0 38	23 15	0 19	9 29	9 2	23 41	23 39	4 44			n.a.
W11	16 41	12 36	4 52	23 36	2 12	25 55	2 57	22 17	0 51	15 32	0 58	11 43	2 22	21 52	0 38	23 15	0 19	9 29	9 2	23 42	23 39	4 47			n.a.
T 12	16 58	16 40	4 26	23 54	2 12	25 48	2 49	22 24	0 51	15 30	0 58	11 41	2 22	21 52	0 38	23 15	0 19	9 29	9 2	23 42	23 39	4 49			n.a.
F 13	17 14	20 5	3 48	24 9	2 11	25 40	2 42	22 31	0 52	15 27	0 58	11 40	2 22	21 51	0 38	23 15	0 19	9 29	9 2	23 42	23 39	4 52			n.a.
S 14	17 30	22 39	2 58	24 22	2 9	25 32	2 33	22 38	0 52	15 25	0 57	11 39	2 22	21 51	0 38	23 15	0 19	9 28	9 2	23 42	23 39	4 55			n.a.
S 15	17 46	24 8	1 59	24 32	2 7	25 23	2 25	22 45	0 52	15 23	0 57	11 37	2 22	21 50	0 38	23 15	0 19	9 28	9 2	23 42	23 40	4 58			n.a.
M16	18 2	24 23	0 53	24 41	2 4	25 13	2 15	22 51	0 53	15 21	0 57	11 36	2 22	21 50	0 38	23 15	0 19	9 28	9 2	23 42	23 40	5 0			n.a.
T 17	18 17	23 20	0n17	24 48	2 0	25 2	2 6	22 58	0 53	15 19	0 57	11 35	2 22	21 50	0 38	23 15	0 19	9 27	9 2	23 42	23 40	5 3			n.a.
W18	18 32	20 59	1 27	24 53	1 56	24 51	1 56	23 4	0 53	15 17	0 57	11 34	2 22	21 49	0 38	23 14	0 19	9 27	9 2	23 42	23 40	5 6			n.a.
T 19	18 47	17 28	2 34	24 56	1 51	24 39	1 45	23 10	0 54	15 15	0 57	11 32	2 22	21 49	0 38	23 14	0 19	9 27	9 1	23 42	23 40	5 9			n.a.
F 20	19 1	12 58	3 33	24 57	1 45	24 27	1 34	23 16	0 54	15 13	0 57	11 31	2 21	21 48	0 38	23 14	0 19	9 26	9 1	23 42	23 40	5 11			n.a.
S 21	19 15	7 42	4 22	24 57	1 38	24 14	1 23	23 22	0 54	15 10	0 56	11 30	2 21	21 48	0 37	23 14	0 19	9 26	9 1	23 42	23 40	5 14			n.a.
S 22	19 29	1 57	4 55	24 55	1 31	23 59	1 11	23 27	0 55	15 8	0 56	11 29	2 21	21 47	0 37	23 14	0 19	9 26	9 1	23 42	23 40	5 17			n.a.
M23	19 43	4n 0	5 10	24 52	1 24	23 45	0 59	23 33	0 55	15 6	0 56	11 27	2 21	21 47	0 37	23 14	0 19	9 25	9 1	23 42	23 40	5 20			n.a.
T 24	19 56	9 48	5 6	24 47	1 15	23 29	0 47	23 38	0 55	15 4	0 56	11 26	2 21	21 46	0 37	23 14	0 19	9 25	9 1	23 42	23 40	5 22			n.a.
W25	20 8	15 4	4 41	24 41	1 6	23 13	0 34	23 43	0 55	15 2	0 56	11 25	2 21	21 46	0 37	23 14	0 19	9 25	9 1	23 42	23 40	5 25			n.a.
T 26	20 21	19 27	3 58	24 34	0 56	22 57	0 20	23 47	0 56	15 0	0 56	11 24	2 21	21 45	0 37	23 14	0 19	9 25	9 1	23 42	23 41	5 28			n.a.
F 27	20 33	22 35	3 0	24 26	0 46	22 39	0 7	23 52	0 56	14 58	0 55	11 23	2 20	21 45	0 37	23 14	0 19	9 24	9 0	23 42	23 41	5 30			n.a.
S 28	20 45	24 12	1 52	24 16	0 35	22 22	0s 7	23 56	0 56	14 56	0 55	11 22	2 20	21 44	0 37	23 14	0 19	9 24	9 0	23 42	23 41	5 33			n.a.
S 29	20 56	24 16	0 38	24 6	0 24	22 3	0 20	24 1	0 57	14 55	0 55	11 21	2 20	21 44	0 37	23 14	0 19	9 24	9 0	23 42	23 41	5 36			n.a.
M30	21 8	22 51	0s36	23 55	0 12	21 45	0 34	24 5	0 57	14 53	0 55	11 20	2 20	21 43	0 37	23 14	0 19	9 24	9 0	23 42	23 41	5 39			n.a.
T 31	21n18	20n13	1s46	23n43	0s 1	21n26	0s49	24n 8	0n57	14s51	0n55	11s19	2n20	21n43	0n37	23n13	0s19	9s23	9n 0	23s42	23s41	5s41			n.a.

Julian Day Number = 1639727.5, Delta T = 03h37m06s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'26, Lahiri = - 7°02'26 Julian Calendar 1 May 224 BCE == Greg. Calendar 27 Apr. 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

JUNE 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 22 10	5♊31'28	4♌24	29♊41	9°R30	18♊51	12°R12	5°R26	26♋32	6♋58	20°R25	1♑59	3♑11	2♎33	n.a.	W 1
T 2	16 26 6	6°28'35	16°52	0♋13	8♊53	19°29	12♏ 6	5♏22	26°34	7° 0	20♏23	2° 0	3° 8	2°40	n.a.	T 2
F 3	16 30 3	7°25'41	29° 4	0°42	8°16	20° 8	12° 0	5°19	26°37	7° 2	20°22	2° 1	3° 5	2°46	n.a.	F 3
S 4	16 34 0	8°22'47	11♍ 5	1° 6	7°38	20°46	11°53	5°15	26°40	7° 4	20°20	2°R 2	3° 2	2°53	n.a.	S 4
S 5	16 37 56	9°19'53	23° 0	1°26	7° 1	21°25	11°47	5°12	26°42	7° 6	20°19	2° 1	2°59	3° 0	n.a.	S 5
M 6	16 41 53	10°16'59	4♎53	1°41	6°24	22° 3	11°41	5° 9	26°45	7° 8	20°17	1°59	2°56	3° 7	n.a.	M 6
T 7	16 45 49	11°14'05	16°48	1°52	5°47	22°41	11°36	5° 6	26°48	7°10	20°16	1°57	2°52	3°13	n.a.	T 7
W 8	16 49 46	12°11'11	28°50	1°58	5°11	23°20	11°30	5° 3	26°51	7°12	20°14	1°54	2°49	3°20	n.a.	W 8
T 9	16 53 42	13° 8'17	11♏ 1	1°R59	4°37	23°58	11°24	5° 0	26°54	7°14	20°13	1°51	2°46	3°27	n.a.	T 9
F 10	16 57 39	14° 5'24	23°24	1°56	4° 3	24°37	11°19	4°57	26°57	7°16	20°11	1°48	2°43	3°33	n.a.	F 10
S 11	17 1 35	15° 2'30	6♐ 0	1°47	3°31	25°15	11°14	4°54	27° 0	7°18	20°10	1°46	2°40	3°40	n.a.	S 11
S 12	17 5 32	15°59'37	18°50	1°35	3° 0	25°53	11° 8	4°51	27° 3	7°20	20° 9	1°45	2°36	3°47	n.a.	S 12
M13	17 9 29	16°56'44	1♑55	1°17	2°32	26°32	11° 4	4°49	27° 6	7°22	20° 7	1°D45	2°33	3°54	n.a.	M13
T 14	17 13 25	17°53'52	15°13	0°55	2° 5	27°10	10°59	4°46	27° 9	7°24	20° 6	1°45	2°30	4° 0	n.a.	T 14
W15	17 17 22	18°51'01	28°44	0°30	1°40	27°48	10°54	4°43	27°12	7°26	20° 5	1°46	2°27	4° 7	n.a.	W15
T 16	17 21 18	19°48'10	12♒27	29♊59	1°17	28°27	10°49	4°41	27°15	7°28	20° 3	1°47	2°24	4°14	n.a.	T 16
F 17	17 25 15	20°45'19	26°21	29°27	0°57	29° 5	10°45	4°38	27°18	7°31	20° 2	1°48	2°21	4°21	n.a.	F 17
S 18	17 29 11	21°42'30	10♓24	28°51	0°38	29°43	10°41	4°36	27°22	7°33	20° 1	1°48	2°17	4°27	n.a.	S 18
S 19	17 33 8	22°39'41	24°35	28°12	0°22	0♋21	10°37	4°34	27°25	7°35	19°59	1°R49	2°14	4°34	n.a.	S 19
M20	17 37 5	23°36'54	8♈52	27°32	0° 9	1° 0	10°33	4°32	27°28	7°37	19°58	1°48	2°11	4°41	n.a.	M20
T 21	17 41 1	24°34'07	23°11	26°51	29♉58	1°38	10°29	4°30	27°31	7°39	19°57	1°48	2° 8	4°47	n.a.	T 21
W22	17 44 58	25°31'21	7♉29	26° 9	29°49	2°16	10°26	4°28	27°35	7°41	19°56	1°47	2° 5	4°54	n.a.	W22
T 23	17 48 54	26°28'37	21°42	25°28	29°43	2°55	10°22	4°26	27°38	7°44	19°55	1°46	2° 2	5° 1	n.a.	T 23
F 24	17 52 51	27°25'53	5♊47	24°47	29°39	3°33	10°19	4°24	27°41	7°46	19°53	1°46	1°58	5° 8	n.a.	F 24
S 25	17 56 47	28°23'10	19°40	24° 8	29°D37	4°11	10°16	4°22	27°45	7°48	19°52	1°46	1°55	5°14	n.a.	S 25
S 26	18 0 44	29°20'28	3♋17	23°32	29°38	4°49	10°13	4°21	27°48	7°50	19°51	1°D46	1°52	5°21	n.a.	S 26
M27	18 4 40	0♋17'47	16°37	22°59	29°41	5°28	10°10	4°19	27°51	7°52	19°50	1°46	1°49	5°28	n.a.	M27
T 28	18 8 37	1°15'07	29°38	22°30	29°46	6° 6	10° 8	4°18	27°55	7°55	19°49	1°46	1°46	5°35	n.a.	T 28
W29	18 12 34	2°12'27	12♌21	22° 5	29°54	6°44	10° 6	4°16	27°58	7°57	19°48	1°R46	1°42	5°41	n.a.	W29
T 30	18 16 30	3♋ 9'48	24♌48	21♊45	0♊ 3	7♋22	10♏ 3	4♏15	28♋ 2	7♋59	19♏47	1♑46	1♑39	5♎48	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n29	16n39	2s49	23n30	0s14	21n 6	1s 3	24n12	0n57	14s49	0n54	11s18	2n20	21n42	0n37	23n13	0s19	9s23	9n 0	23s42	23s41	5s44		n.a.
T 2	21 39	12 27	3 42	23 16	0 27	20 47	1 17	24 16	0 58	14 47	0 54	11 17	2 19	21 42	0 37	23 13	0 19	9 23	8 59	23 42	23 41	5 47		n.a.
F 3	21 48	7 49	4 24	23 2	0 41	20 27	1 31	24 19	0 58	14 45	0 54	11 16	2 19	21 41	0 37	23 13	0 19	9 23	8 59	23 42	23 41	5 50		n.a.
S 4	21 58	2 58	4 54	22 48	0 55	20 8	1 44	24 22	0 58	14 44	0 54	11 15	2 19	21 41	0 37	23 13	0 19	9 23	8 59	23 42	23 41	5 52		n.a.
S 5	22 7	1s56	5 10	22 33	1 10	19 48	1 58	24 25	0 59	14 42	0 54	11 14	2 19	21 40	0 37	23 13	0 19	9 22	8 59	23 42	23 41	5 55		n.a.
M 6	22 15	6 45	5 14	22 18	1 25	19 28	2 11	24 28	0 59	14 40	0 53	11 13	2 19	21 40	0 37	23 13	0 19	9 22	8 59	23 42	23 41	5 58		n.a.
T 7	22 23	11 21	5 4	22 3	1 40	19 9	2 24	24 30	0 59	14 39	0 53	11 12	2 19	21 39	0 37	23 13	0 19	9 22	8 58	23 42	23 41	6 0		n.a.
W 8	22 31	15 33	4 40	21 47	1 55	18 51	2 37	24 32	0 59	14 37	0 53	11 11	2 18	21 38	0 37	23 13	0 19	9 22	8 58	23 43	23 42	6 3		n.a.
T 9	22 39	19 10	4 4	21 32	2 10	18 32	2 49	24 35	1 0	14 36	0 53	11 10	2 18	21 38	0 37	23 13	0 19	9 22	8 58	23 43	23 42	6 6		n.a.
F 10	22 46	22 0	3 16	21 17	2 26	18 14	3 1	24 36	1 0	14 34	0 52	11 10	2 18	21 37	0 37	23 13	0 19	9 22	8 58	23 43	23 42	6 8		n.a.
S 11	22 52	23 49	2 17	21 2	2 41	17 57	3 13	24 38	1 0	14 33	0 52	11 9	2 18	21 37	0 37	23 12	0 19	9 21	8 58	23 43	23 42	6 11		n.a.
S 12	22 59	24 25	1 11	20 47	2 56	17 41	3 24	24 40	1 0	14 31	0 52	11 8	2 18	21 36	0 37	23 12	0 19	9 21	8 57	23 43	23 42	6 14		n.a.
M13	23 4	23 42	0n 1	20 33	3 10	17 25	3 34	24 41	1 1	14 30	0 52	11 7	2 17	21 35	0 37	23 12	0 19	9 21	8 57	23 43	23 42	6 16		n.a.
T 14	23 10	21 37	1 14	20 19	3 24	17 10	3 44	24 42	1 1	14 29	0 52	11 7	2 17	21 35	0 37	23 12	0 19	9 21	8 57	23 43	23 42	6 19		n.a.
W15	23 15	18 19	2 24	20 6	3 37	16 56	3 53	24 43	1 1	14 28	0 51	11 6	2 17	21 34	0 37	23 12	0 19	9 21	8 57	23 43	23 42	6 22		n.a.
T 16	23 20	13 58	3 26	19 54	3 49	16 43	4 2	24 44	1 1	14 26	0 51	11 5	2 17	21 34	0 37	23 12	0 19	9 21	8 56	23 43	23 42	6 25		n.a.
F 17	23 24	8 50	4 18	19 43	4 1	16 31	4 10	24 45	1 2	14 25	0 51	11 5	2 16	21 33	0 37	23 12	0 19	9 21	8 56	23 43	23 42	6 27		n.a.
S 18	23 28	3 13	4 55	19 32	4 11	16 19	4 18	24 45	1 2	14 24	0 51	11 4	2 16	21 32	0 37	23 12	0 19	9 21	8 56	23 43	23 42	6 30		n.a.
S 19	23 31	2n37	5 14	19 23	4 20	16 9	4 25	24 45	1 2	14 23	0 50	11 4	2 16	21 32	0 37	23 12	0 19	9 21	8 56	23 43	23 42	6 33		n.a.
M20	23 34	8 21	5 14	19 14	4 28	16 0	4 31	24 45	1 2	14 22	0 50	11 3	2 16	21 31	0 37	23 11	0 19	9 21	8 55	23 43	23 42	6 35		n.a.
T 21	23 37	13 40	4 55	19 8	4 34	15 52	4 37	24 45	1 3	14 21	0 50	11 3	2 16	21 30	0 37	23 11	0 19	9 20	8 55	23 43	23 42	6 38		n.a.
W22	23 39	18 13	4 17	19 2	4 38	15 45	4 43	24 45	1 3	14 20	0 50	11 2	2 15	21 30	0 37	23 11	0 19	9 20	8 55	23 43	23 42	6 41		n.a.
T 23	23 40	21 41	3 24	18 58	4 41	15 38	4 48	24 44	1 3	14 19	0 49	11 2	2 15	21 29	0 37	23 11	0 19	9 20	8 54	23 43	23 42	6 43		n.a.
F 24	23 42	23 48	2 19	18 55	4 42	15 33	4 52	24 44	1 3	14 19	0 49	11 1	2 15	21 28	0 37	23 11	0 19	9 20	8 54	23 43	23 42	6 46		n.a.
S 25	23 43	24 25	1 7	18 54	4 42	15 29	4 56	24 43	1 3	14 18	0 49	11 1	2 15	21 28	0 37	23 11	0 18	9 20	8 54	23 43	23 42	6 49		n.a.
S 26	23 43	23 32	0s 8	18 55	4 39	15 26	5 0	24 42	1 4	14 17	0 49	11 1	2 14	21 27	0 37	23 11	0 18	9 20	8 54	23 43	23 43	6 51		n.a.
M27	23 43	21 20	1 21	18 57	4 35	15 23	5 3	24 40	1 4	14 17	0 48	11 0	2 14	21 26	0 37	23 11	0 18	9 20	8 53	23 43	23 43	6 54		n.a.
T 28	23 43	18 3	2 28	19 1	4 30	15 22	5 5	24 39	1 4	14 16	0 48	11 0	2 14	21 26	0 37	23 11	0 18	9 20	8 53	23 43	23 43	6 56		n.a.
W29	23 42	14 0	3 26	19 6	4 23	15 21	5 8	24 37	1 4	14 16	0 48	11 0	2 14	21 25	0 37	23 10	0 18	9 20	8 53	23 43	23 43	6 59		n.a.
T 30	23n41	9n26	4s13	19n14	4s15	15n22	5s 9	24n35	1n 4	14s15	0n48	11s 0	2n13	21n24	0n37	23n10	0s18	9s20	8n52	23s43	23s43	7s 2		n.a.

Julian Day Number = 1639758.5, Delta T = 03h37m05s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'22, Lahiri = - 7°02'22 Julian Calendar 1 June 224 BCE == Greg. Calendar 28 May 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

JULY 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 20 27	4♋ 7'10	7♍ 0	21°R31	0♊15	8♋ 1	10°R 1	4°R14	28♋ 5	8♋ 1	19°R46	1°R45	1♑36	5♎55	n.a.	F 1
S 2	18 24 23	5° 4'32	19° 2	21♊22	0°28	8°39	10♏ 0	4♏13	28° 9	8° 4	19♏45	1♑45	1°33	6° 1	n.a.	S 2
S 3	18 28 20	6° 1'56	0♎57	21°D19	0°44	9°17	9°58	4°12	28°12	8° 6	19°44	1°D45	1°30	6° 8	n.a.	S 3
M 4	18 32 16	6°59'20	12°51	21°22	1° 1	9°55	9°57	4°11	28°16	8° 8	19°43	1°45	1°27	6°15	n.a.	M 4
T 5	18 36 13	7°56'45	24°47	21°32	1°21	10°34	9°55	4°10	28°19	8°10	19°42	1°45	1°23	6°22	n.a.	T 5
W 6	18 40 9	8°54'11	6♏50	21°49	1°42	11°12	9°54	4° 9	28°23	8°12	19°41	1°46	1°20	6°28	n.a.	W 6
T 7	18 44 6	9°51'38	19° 4	22°12	2° 5	11°50	9°54	4° 9	28°27	8°15	19°40	1°47	1°17	6°35	n.a.	T 7
F 8	18 48 3	10°49'05	1♐34	22°41	2°29	12°28	9°53	4° 8	28°30	8°17	19°39	1°47	1°14	6°42	n.a.	F 8
S 9	18 51 59	11°46'34	14°20	23°18	2°55	13° 6	9°52	4° 8	28°34	8°19	19°38	1°48	1°11	6°49	n.a.	S 9
S 10	18 55 56	12°44'04	27°26	24° 1	3°23	13°45	9°52	4° 8	28°37	8°21	19°38	1°R49	1° 8	6°55	n.a.	S 10
M11	18 59 52	13°41'36	10♑50	24°50	3°52	14°23	9°D52	4° 7	28°41	8°24	19°37	1°48	1° 4	7° 2	n.a.	M11
T 12	19 3 49	14°39'08	24°33	25°46	4°23	15° 1	9°52	4° 7	28°45	8°26	19°36	1°48	1° 1	7° 9	n.a.	T 12
W13	19 7 45	15°36'42	8♒31	26°48	4°55	15°39	9°52	4°D 7	28°48	8°28	19°35	1°46	0°58	7°15	n.a.	W13
T 14	19 11 42	16°34'17	22°41	27°56	5°29	16°17	9°53	4° 7	28°52	8°30	19°35	1°45	0°55	7°22	n.a.	T 14
F 15	19 15 38	17°31'54	6♓59	29°10	6° 4	16°56	9°53	4° 7	28°56	8°32	19°34	1°43	0°52	7°29	n.a.	F 15
S 16	19 19 35	18°29'32	21°20	0♋29	6°40	17°34	9°54	4° 8	28°59	8°35	19°34	1°41	0°48	7°36	n.a.	S 16
S 17	19 23 32	19°27'12	5♈40	1°54	7°17	18°12	9°55	4° 8	29° 3	8°37	19°33	1°40	0°45	7°42	n.a.	S 17
M18	19 27 28	20°24'54	19°55	3°23	7°56	18°50	9°56	4° 8	29° 7	8°39	19°32	1°D39	0°42	7°49	n.a.	M18
T 19	19 31 25	21°22'38	4♉ 3	4°58	8°35	19°28	9°58	4° 9	29°11	8°41	19°32	1°40	0°39	7°56	n.a.	T 19
W20	19 35 21	22°20'23	18° 3	6°36	9°16	20° 7	9°59	4° 9	29°14	8°43	19°31	1°41	0°36	8° 2	n.a.	W20
T 21	19 39 18	23°18'10	1♊52	8°19	9°58	20°45	10° 1	4°10	29°18	8°46	19°31	1°42	0°33	8° 9	n.a.	T 21
F 22	19 43 14	24°16'00	15°31	10° 5	10°41	21°23	10° 3	4°11	29°22	8°48	19°30	1°43	0°29	8°16	n.a.	F 22
S 23	19 47 11	25°13'51	28°57	11°53	11°24	22° 1	10° 5	4°12	29°26	8°50	19°30	1°R44	0°26	8°23	n.a.	S 23
S 24	19 51 8	26°11'43	12♋11	13°45	12° 9	22°40	10° 7	4°13	29°29	8°52	19°30	1°44	0°23	8°29	n.a.	S 24
M25	19 55 4	27° 9'38	25°12	15°38	12°55	23°18	10°10	4°14	29°33	8°54	19°29	1°42	0°20	8°36	n.a.	M25
T 26	19 59 1	28° 7'34	7♌58	17°33	13°41	23°56	10°12	4°15	29°37	8°56	19°29	1°39	0°17	8°43	n.a.	T 26
W27	20 2 57	29° 5'31	20°32	19°30	14°28	24°34	10°15	4°17	29°40	8°58	19°29	1°35	0°14	8°50	n.a.	W27
T 28	20 6 54	0♌ 3'30	2♍52	21°27	15°16	25°12	10°18	4°18	29°44	9° 1	19°28	1°31	0°10	8°56	n.a.	T 28
F 29	20 10 50	1° 1'31	15° 1	23°26	16° 5	25°51	10°21	4°19	29°48	9° 3	19°28	1°26	0° 7	9° 3	n.a.	F 29
S 30	20 14 47	1°59'33	27° 1	25°24	16°55	26°29	10°25	4°21	29°52	9° 5	19°28	1°21	0° 4	9°10	n.a.	S 30
S 31	20 18 43	2♌57'36	8♎56	27♋22	17♊45	27♋ 7	10♏28	4♏23	29♋55	9♋ 7	19♏28	1♑18	0♑ 1	9♎16	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n39	4n36	4s48	19n22	4s 5	15n23	5s11	24n33	1n 5	14s15	0n47	11s 0	2n13	21n23	0n37	23n10	0s18	9s20	8n52	23s43	23s43	7s 4		n.a.
S 2	23 37	0s20	5 9	19 33	3 54	15 25	5 12	24 31	1 5	14 14	0 47	10 59	2 13	21 23	0 37	23 10	0 18	9 20	8 52	23 43	23 43	7 7		n.a.
S 3	23 35	5 13	5 17	19 44	3 42	15 27	5 12	24 28	1 5	14 14	0 47	10 59	2 13	21 22	0 37	23 10	0 18	9 20	8 52	23 43	23 43	7 10		n.a.
M 4	23 32	9 53	5 11	19 57	3 29	15 30	5 13	24 26	1 5	14 14	0 47	10 59	2 12	21 21	0 37	23 10	0 18	9 21	8 51	23 43	23 43	7 12		n.a.
T 5	23 29	14 13	4 52	20 11	3 16	15 34	5 13	24 23	1 5	14 14	0 46	10 59	2 12	21 20	0 37	23 10	0 18	9 21	8 51	23 43	23 43	7 15		n.a.
W 6	23 25	18 2	4 19	20 27	3 2	15 39	5 12	24 20	1 6	14 14	0 46	10 59	2 12	21 20	0 37	23 10	0 18	9 21	8 51	23 43	23 43	7 18		n.a.
T 7	23 21	21 8	3 35	20 43	2 47	15 44	5 12	24 17	1 6	14 14	0 46	10 59	2 12	21 19	0 37	23 9	0 18	9 21	8 50	23 43	23 43	7 20		n.a.
F 8	23 17	23 19	2 40	20 59	2 32	15 49	5 11	24 13	1 6	14 14	0 46	10 59	2 11	21 18	0 37	23 9	0 18	9 21	8 50	23 43	23 43	7 23		n.a.
S 9	23 12	24 22	1 35	21 17	2 16	15 55	5 10	24 10	1 6	14 14	0 45	10 59	2 11	21 18	0 37	23 9	0 18	9 21	8 50	23 43	23 43	7 25		n.a.
S 10	23 6	24 6	0 24	21 34	2 1	16 2	5 9	24 6	1 6	14 14	0 45	11 0	2 11	21 17	0 37	23 9	0 18	9 21	8 49	23 43	23 43	7 28		n.a.
M11	23 1	22 27	0n50	21 52	1 45	16 9	5 7	24 2	1 6	14 14	0 45	11 0	2 11	21 16	0 37	23 9	0 18	9 21	8 49	23 43	23 43	7 31		n.a.
T 12	22 54	19 27	2 2	22 10	1 29	16 16	5 5	23 58	1 7	14 14	0 45	11 0	2 10	21 15	0 37	23 9	0 18	9 21	8 49	23 43	23 43	7 33		n.a.
W13	22 48	15 18	3 9	22 27	1 14	16 24	5 3	23 54	1 7	14 15	0 44	11 0	2 10	21 14	0 37	23 9	0 18	9 21	8 48	23 43	23 43	7 36		n.a.
T 14	22 41	10 15	4 5	22 44	0 59	16 32	5 1	23 49	1 7	14 15	0 44	11 0	2 10	21 14	0 37	23 9	0 18	9 22	8 48	23 43	23 43	7 39		n.a.
F 15	22 33	4 37	4 47	22 59	0 44	16 41	4 58	23 45	1 7	14 15	0 44	11 1	2 10	21 13	0 37	23 8	0 18	9 22	8 48	23 43	23 43	7 41		n.a.
S 16	22 26	1n16	5 10	23 14	0 29	16 49	4 56	23 40	1 7	14 16	0 44	11 1	2 9	21 12	0 37	23 8	0 18	9 22	8 47	23 43	23 43	7 44		n.a.
S 17	22 18	7 4	5 14	23 27	0 15	16 58	4 53	23 35	1 7	14 17	0 43	11 1	2 9	21 11	0 37	23 8	0 18	9 22	8 47	23 43	23 43	7 46		n.a.
M18	22 9	12 29	4 59	23 39	0 2	17 7	4 50	23 30	1 7	14 17	0 43	11 2	2 9	21 11	0 37	23 8	0 18	9 22	8 46	23 43	23 43	7 49		n.a.
T 19	22 0	17 11	4 26	23 49	0n11	17 16	4 47	23 24	1 8	14 18	0 43	11 2	2 9	21 10	0 37	23 8	0 18	9 23	8 46	23 43	23 43	7 52		n.a.
W20	21 51	20 53	3 38	23 57	0 23	17 26	4 44	23 19	1 8	14 19	0 43	11 3	2 8	21 9	0 37	23 8	0 18	9 23	8 46	23 43	23 43	7 54		n.a.
T 21	21 41	23 21	2 37	24 2	0 35	17 35	4 40	23 13	1 8	14 19	0 42	11 3	2 8	21 8	0 37	23 8	0 18	9 23	8 45	23 43	23 43	7 57		n.a.
F 22	21 31	24 23	1 28	24 6	0 46	17 45	4 37	23 7	1 8	14 20	0 42	11 4	2 8	21 7	0 37	23 7	0 18	9 23	8 45	23 43	23 43	7 59		n.a.
S 23	21 20	23 58	0 15	24 6	0 55	17 54	4 33	23 1	1 8	14 21	0 42	11 4	2 8	21 7	0 37	23 7	0 18	9 23	8 45	23 43	23 43	8 2		n.a.
S 24	21 10	22 13	0s57	24 4	1 4	18 4	4 29	22 55	1 8	14 22	0 42	11 5	2 7	21 6	0 37	23 7	0 18	9 24	8 44	23 43	23 43	8 4		n.a.
M25	20 58	19 18	2 5	24 0	1 12	18 14	4 25	22 49	1 8	14 23	0 41	11 5	2 7	21 5	0 37	23 7	0 18	9 24	8 44	23 43	23 43	8 7		n.a.
T 26	20 47	15 30	3 6	23 52	1 20	18 23	4 21	22 42	1 9	14 24	0 41	11 6	2 7	21 4	0 37	23 7	0 18	9 24	8 44	23 43	23 43	8 10		n.a.
W27	20 35	11 5	3 56	23 42	1 26	18 33	4 17	22 35	1 9	14 25	0 41	11 7	2 7	21 4	0 37	23 7	0 18	9 25	8 43	23 43	23 43	8 12		n.a.
T 28	20 23	6 19	4 34	23 30	1 31	18 42	4 13	22 28	1 9	14 26	0 41	11 7	2 6	21 3	0 37	23 7	0 18	9 25	8 43	23 43	23 43	8 15		n.a.
F 29	20 10	1 22	4 59	23 14	1 36	18 52	4 9	22 21	1 9	14 28	0 40	11 8	2 6	21 2	0 37	23 6	0 18	9 25	8 42	23 43	23 43	8 17		n.a.
S 30	19 57	3s33	5 11	22 57	1 40	19 1	4 4	22 14	1 9	14 29	0 40	11 9	2 6	21 1	0 37	23 6	0 18	9 25	8 42	23 43	23 43	8 20		n.a.
S 31	19n44	8s18	5s 9	22n37	1n43	19n10	4s 0	22n 7	1n 9	14s30	0n40	11s10	2n 6	21n 0	0n37	23n 6	0s18	9s26	8n42	23s43	23s43	8s22		n.a.

Julian Day Number = 1639788.5, Delta T = 03h37m04s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'18, Lahiri = - 7°02'18 Julian Calendar 1 July 224 BCE == Greg. Calendar 27 June 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

AUGUST 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 22 40	3♌55'42	20♎48	29♋21	18♊36	27♋45	10♏32	4♏25	29♋59	9♋ 9	19°R28	1°R15	29♐58	9♎23	n.a.	M 1
T 2	20 26 36	4°53'48	2♏42	1♌19	19°28	28°24	10°36	4°26	0♌ 3	9°11	19♏28	1°D14	29°54	9°30	n.a.	T 2
W 3	20 30 33	5°51'57	14°43	3°16	20°20	29° 2	10°40	4°28	0° 7	9°13	19°27	1♑15	29°51	9°37	n.a.	W 3
T 4	20 34 30	6°50'07	26°56	5°13	21°13	29°40	10°44	4°30	0°10	9°15	19°27	1°16	29°48	9°43	n.a.	T 4
F 5	20 38 26	7°48'18	9♐26	7° 9	22° 6	0♌18	10°48	4°33	0°14	9°17	19°D27	1°17	29°45	9°50	n.a.	F 5
S 6	20 42 23	8°46'32	22°16	9° 4	23° 0	0°57	10°53	4°35	0°18	9°19	19°27	1°19	29°42	9°57	n.a.	S 6
S 7	20 46 19	9°44'47	5♑30	10°58	23°55	1°35	10°58	4°37	0°22	9°21	19°28	1°R19	29°39	10° 4	n.a.	S 7
M 8	20 50 16	10°43'03	19° 8	12°51	24°50	2°13	11° 3	4°39	0°25	9°23	19°28	1°18	29°35	10°10	n.a.	M 8
T 9	20 54 12	11°41'22	3♒11	14°43	25°46	2°52	11° 8	4°42	0°29	9°25	19°28	1°15	29°32	10°17	n.a.	T 9
W10	20 58 9	12°39'42	17°34	16°34	26°43	3°30	11°13	4°45	0°33	9°27	19°28	1°10	29°29	10°24	n.a.	W10
T 11	21 2 5	13°38'04	2♓12	18°24	27°39	4° 8	11°18	4°47	0°36	9°29	19°28	1° 4	29°26	10°30	n.a.	T 11
F 12	21 6 2	14°36'29	16°57	20°12	28°37	4°46	11°24	4°50	0°40	9°31	19°28	0°57	29°23	10°37	n.a.	F 12
S 13	21 9 59	15°34'55	1♈43	22° 0	29°34	5°25	11°29	4°53	0°44	9°33	19°29	0°51	29°19	10°44	n.a.	S 13
S 14	21 13 55	16°33'24	16°21	23°47	0♋33	6° 3	11°35	4°56	0°47	9°35	19°29	0°46	29°16	10°51	n.a.	S 14
M15	21 17 52	17°31'54	0♉46	25°32	1°31	6°41	11°41	4°59	0°51	9°36	19°29	0°43	29°13	10°57	n.a.	M15
T 16	21 21 48	18°30'28	14°55	27°16	2°31	7°20	11°47	5° 2	0°55	9°38	19°29	0°D41	29°10	11° 4	n.a.	T 16
W17	21 25 45	19°29'04	28°47	29° 0	3°30	7°58	11°54	5° 5	0°58	9°40	19°30	0°42	29° 7	11°11	n.a.	W17
T 18	21 29 41	20°27'42	12♊21	0♍42	4°30	8°36	12° 0	5° 8	1° 2	9°42	19°30	0°43	29° 4	11°17	n.a.	T 18
F 19	21 33 38	21°26'22	25°40	2°23	5°31	9°15	12° 7	5°12	1° 5	9°44	19°31	0°R44	29° 0	11°24	n.a.	F 19
S 20	21 37 34	22°25'05	8♋45	4° 3	6°31	9°53	12°13	5°15	1° 9	9°45	19°31	0°43	28°57	11°31	n.a.	S 20
S 21	21 41 31	23°23'50	21°36	5°42	7°33	10°31	12°20	5°19	1°13	9°47	19°32	0°41	28°54	11°38	n.a.	S 21
M22	21 45 28	24°22'37	4♌17	7°21	8°34	11°10	12°27	5°22	1°16	9°49	19°32	0°37	28°51	11°44	n.a.	M22
T 23	21 49 24	25°21'26	16°47	8°58	9°36	11°48	12°35	5°26	1°20	9°51	19°33	0°30	28°48	11°51	n.a.	T 23
W24	21 53 21	26°20'18	29° 7	10°34	10°38	12°27	12°42	5°30	1°23	9°52	19°33	0°20	28°45	11°58	n.a.	W24
T 25	21 57 17	27°19'11	11♍19	12° 9	11°41	13° 5	12°49	5°34	1°27	9°54	19°34	0°10	28°41	12° 4	n.a.	T 25
F 26	22 1 14	28°18'07	23°22	13°44	12°44	13°43	12°57	5°38	1°30	9°55	19°35	29♐59	28°38	12°11	n.a.	F 26
S 27	22 5 10	29°17'04	5♎18	15°17	13°47	14°22	13° 5	5°42	1°33	9°57	19°36	29°48	28°35	12°18	n.a.	S 27
S 28	22 9 7	0♍16'04	17°10	16°50	14°50	15° 0	13°13	5°46	1°37	9°59	19°36	29°38	28°32	12°25	n.a.	S 28
M29	22 13 3	1°15'06	29° 0	18°21	15°54	15°39	13°21	5°50	1°40	10° 0	19°37	29°31	28°29	12°31	n.a.	M29
T 30	22 17 0	2°14'09	10♏52	19°52	16°58	16°17	13°29	5°54	1°44	10° 2	19°38	29°26	28°25	12°38	n.a.	T 30
W31	22 20 56	3♍13'14	22♏50	21♍22	18♋ 3	16♌56	13♏37	5♏58	1♌47	10♋ 3	19♏39	29♐24	28♐22	12♎45	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	19n30	12s44	4s54	22n14	1n45	19n19	3s55	21n59	1n 9	14s32	0n40	11s11	2n 5	21n 0	0n37	23n 6	0s18	9s26	8n41	23s43	23s43	8s25			n.a.
T 2	19 16	16 43	4 26	21 50	1 47	19 28	3 51	21 52	1 9	14 33	0 40	11 11	2 5	20 59	0 37	23 6	0 18	9 26	8 41	23 43	23 43	8 28			n.a.
W 3	19 2	20 3	3 47	21 24	1 47	19 36	3 46	21 44	1 10	14 35	0 39	11 12	2 5	20 58	0 37	23 6	0 18	9 27	8 41	23 43	23 43	8 30			n.a.
T 4	18 47	22 34	2 56	20 56	1 48	19 45	3 41	21 36	1 10	14 36	0 39	11 13	2 5	20 57	0 37	23 6	0 18	9 27	8 40	23 43	23 43	8 33			n.a.
F 5	18 32	24 3	1 56	20 26	1 47	19 53	3 37	21 27	1 10	14 38	0 39	11 14	2 4	20 56	0 37	23 6	0 18	9 28	8 40	23 43	23 43	8 35			n.a.
S 6	18 17	24 19	0 49	19 54	1 46	20 1	3 32	21 19	1 10	14 39	0 39	11 15	2 4	20 56	0 37	23 5	0 18	9 28	8 39	23 43	23 43	8 38			n.a.
S 7	18 1	23 14	0n23	19 21	1 44	20 8	3 27	21 11	1 10	14 41	0 38	11 16	2 4	20 55	0 37	23 5	0 18	9 28	8 39	23 43	23 43	8 40			n.a.
M 8	17 45	20 46	1 35	18 47	1 42	20 16	3 22	21 2	1 10	14 43	0 38	11 17	2 4	20 54	0 37	23 5	0 18	9 29	8 39	23 43	23 43	8 43			n.a.
T 9	17 29	17 1	2 44	18 12	1 40	20 22	3 17	20 53	1 10	14 45	0 38	11 18	2 3	20 53	0 37	23 5	0 18	9 29	8 38	23 43	23 43	8 45			n.a.
W10	17 12	12 12	3 44	17 35	1 36	20 29	3 12	20 44	1 10	14 46	0 38	11 19	2 3	20 52	0 37	23 5	0 18	9 29	8 38	23 43	23 43	8 48			n.a.
T 11	16 56	6 37	4 30	16 58	1 33	20 35	3 7	20 35	1 10	14 48	0 37	11 21	2 3	20 52	0 37	23 5	0 18	9 30	8 38	23 43	23 43	8 50			n.a.
F 12	16 39	0 37	4 59	16 20	1 29	20 41	3 2	20 26	1 10	14 50	0 37	11 22	2 3	20 51	0 37	23 5	0 18	9 30	8 37	23 43	23 43	8 53			n.a.
S 13	16 21	5n23	5 8	15 40	1 25	20 47	2 57	20 17	1 10	14 52	0 37	11 23	2 2	20 50	0 37	23 4	0 18	9 31	8 37	23 43	23 43	8 55			n.a.
S 14	16 4	11 3	4 57	15 1	1 20	20 52	2 51	20 7	1 11	14 54	0 37	11 24	2 2	20 49	0 37	23 4	0 18	9 31	8 36	23 43	23 43	8 58			n.a.
M15	15 46	16 2	4 27	14 20	1 15	20 57	2 46	19 58	1 11	14 56	0 37	11 25	2 2	20 48	0 37	23 4	0 18	9 32	8 36	23 43	23 43	9 0			n.a.
T 16	15 27	20 1	3 41	13 39	1 10	21 1	2 41	19 48	1 11	14 58	0 36	11 27	2 2	20 48	0 37	23 4	0 18	9 32	8 36	23 43	23 43	9 3			n.a.
W17	15 9	22 47	2 43	12 58	1 5	21 5	2 36	19 38	1 11	15 1	0 36	11 28	2 1	20 47	0 37	23 4	0 18	9 33	8 35	23 43	23 43	9 5			n.a.
T 18	14 50	24 9	1 37	12 16	0 59	21 8	2 31	19 28	1 11	15 3	0 36	11 29	2 1	20 46	0 37	23 4	0 18	9 33	8 35	23 43	23 43	9 8			n.a.
F 19	14 31	24 6	0 27	11 34	0 53	21 11	2 26	19 17	1 11	15 5	0 36	11 31	2 1	20 45	0 37	23 4	0 18	9 34	8 34	23 43	23 43	9 10			n.a.
S 20	14 12	22 43	0s43	10 52	0 47	21 13	2 20	19 7	1 11	15 7	0 36	11 32	2 1	20 44	0 37	23 4	0 18	9 34	8 34	23 43	23 43	9 13			n.a.
S 21	13 53	20 10	1 50	10 9	0 40	21 15	2 15	18 57	1 11	15 10	0 35	11 33	2 0	20 44	0 37	23 3	0 18	9 35	8 34	23 43	23 43	9 15			n.a.
M22	13 33	16 40	2 50	9 26	0 34	21 17	2 10	18 46	1 11	15 12	0 35	11 35	2 0	20 43	0 37	23 3	0 18	9 35	8 33	23 43	23 43	9 18			n.a.
T 23	13 13	12 29	3 41	8 43	0 27	21 18	2 5	18 35	1 11	15 14	0 35	11 36	2 0	20 42	0 37	23 3	0 18	9 36	8 33	23 43	23 43	9 20			n.a.
W24	12 53	7 51	4 20	8 0	0 20	21 18	1 59	18 24	1 11	15 17	0 35	11 38	2 0	20 41	0 37	23 3	0 18	9 36	8 33	23 43	23 43	9 23			n.a.
T 25	12 33	2 59	4 48	7 17	0 14	21 18	1 54	18 13	1 11	15 19	0 34	11 39	2 0	20 41	0 37	23 3	0 18	9 37	8 32	23 43	23 43	9 25			n.a.
F 26	12 12	1s57	5 2	6 34	0 7	21 18	1 49	18 2	1 11	15 22	0 34	11 41	1 59	20 40	0 37	23 3	0 18	9 37	8 32	23 43	23 43	9 28			n.a.
S 27	11 51	6 45	5 2	5 51	0s 1	21 17	1 44	17 51	1 11	15 24	0 34	11 42	1 59	20 39	0 37	23 3	0 18	9 38	8 31	23 43	23 43	9 30			n.a.
S 28	11 31	11 16	4 50	5 9	0 8	21 15	1 39	17 40	1 11	15 27	0 34	11 44	1 59	20 38	0 37	23 3	0 18	9 38	8 31	23 43	23 43	9 33			n.a.
M29	11 9	15 22	4 25	4 26	0 15	21 13	1 34	17 28	1 11	15 30	0 34	11 45	1 59	20 38	0 37	23 3	0 18	9 39	8 31	23 43	23 43	9 35			n.a.
T 30	10 48	18 52	3 49	3 43	0 22	21 10	1 28	17 17	1 11	15 32	0 33	11 47	1 58	20 37	0 37	23 2	0 18	9 39	8 30	23 43	23 43	9 38			n.a.
W31	10n27	21s38	3s 2	3n 1	0s30	21n 7	1s23	17n 5	1n11	15s35	0n33	11s49	1n58	20n36	0n37	23n 2	0s18	9s40	8n30	23s43	23s43	9s40			n.a.

Julian Day Number = 1639819.5, Delta T = 03h37m03s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'14, Lahiri = - 7°02'13 Julian Calendar 1 Aug. 224 BCE == Greg. Calendar 28 July 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

SEPTEMBER 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 24 53	4♍12'22	5♐ 0	22♍50	19♋ 7	17♌34	13♏45	6♏ 3	1♌50	10♋ 5	19♏40	29°D23	28♐19	12♎52	n.a.	T 1
F 2	22 28 50	5°11'31	17°25	24°18	20°12	18°13	13°54	6° 7	1°54	10° 6	19°40	29♐24	28°16	12°58	n.a.	F 2
S 3	22 32 46	6°10'42	0♑12	25°45	21°17	18°51	14° 3	6°12	1°57	10° 8	19°41	29°R24	28°13	13° 5	n.a.	S 3
S 4	22 36 43	7° 9'55	13°24	27°11	22°23	19°30	14°11	6°16	2° 0	10° 9	19°42	29°23	28°10	13°12	n.a.	S 4
M 5	22 40 39	8° 9'10	27° 5	28°36	23°29	20° 8	14°20	6°21	2° 3	10°10	19°43	29°20	28° 6	13°18	n.a.	M 5
T 6	22 44 36	9° 8'27	11♒15	0♎ 0	24°34	20°47	14°29	6°26	2° 7	10°12	19°44	29°15	28° 3	13°25	n.a.	T 6
W 7	22 48 32	10° 7'46	25°52	1°23	25°41	21°25	14°38	6°31	2°10	10°13	19°45	29° 7	28° 0	13°32	n.a.	W 7
T 8	22 52 29	11° 7'07	10♓48	2°45	26°47	22° 4	14°48	6°35	2°13	10°14	19°46	28°57	27°57	13°39	n.a.	T 8
F 9	22 56 25	12° 6'29	25°57	4° 6	27°54	22°42	14°57	6°40	2°16	10°16	19°48	28°46	27°54	13°45	n.a.	F 9
S 10	23 0 22	13° 5'55	11♈ 7	5°26	29° 1	23°21	15° 7	6°45	2°19	10°17	19°49	28°36	27°51	13°52	n.a.	S 10
S 11	23 4 19	14° 5'22	26° 7	6°45	0♌ 8	23°59	15°16	6°50	2°22	10°18	19°50	28°28	27°47	13°59	n.a.	S 11
M12	23 8 15	15° 4'52	10♉50	8° 2	1°15	24°38	15°26	6°56	2°25	10°19	19°51	28°21	27°44	14° 5	n.a.	M12
T 13	23 12 12	16° 4'24	25°10	9°18	2°23	25°16	15°36	7° 1	2°28	10°20	19°52	28°18	27°41	14°12	n.a.	T 13
W14	23 16 8	17° 3'59	9♊ 6	10°33	3°30	25°55	15°46	7° 6	2°31	10°21	19°54	28°16	27°38	14°19	n.a.	W14
T 15	23 20 5	18° 3'36	22°38	11°46	4°38	26°34	15°56	7°11	2°34	10°23	19°55	28°16	27°35	14°26	n.a.	T 15
F 16	23 24 1	19° 3'16	5♋48	12°57	5°47	27°12	16° 6	7°17	2°37	10°24	19°56	28°16	27°31	14°32	n.a.	F 16
S 17	23 27 58	20° 2'58	18°40	14° 6	6°55	27°51	16°16	7°22	2°40	10°25	19°57	28°15	27°28	14°39	n.a.	S 17
S 18	23 31 54	21° 2'43	1♌17	15°14	8° 3	28°29	16°26	7°28	2°42	10°26	19°59	28°11	27°25	14°46	n.a.	S 18
M19	23 35 51	22° 2'29	13°42	16°19	9°12	29° 8	16°37	7°33	2°45	10°27	20° 0	28° 5	27°22	14°52	n.a.	M19
T 20	23 39 48	23° 2'18	25°57	17°22	10°21	29°47	16°47	7°39	2°48	10°27	20° 2	27°55	27°19	14°59	n.a.	T 20
W21	23 43 44	24° 2'09	8♍ 5	18°23	11°30	0♍26	16°58	7°44	2°51	10°28	20° 3	27°43	27°16	15° 6	n.a.	W21
T 22	23 47 41	25° 2'03	20° 7	19°21	12°39	1° 4	17° 9	7°50	2°53	10°29	20° 5	27°29	27°12	15°13	n.a.	T 22
F 23	23 51 37	26° 1'58	2♎ 4	20°15	13°49	1°43	17°20	7°56	2°56	10°30	20° 6	27°14	27° 9	15°19	n.a.	F 23
S 24	23 55 34	27° 1'55	13°57	21° 6	14°58	2°22	17°31	8° 2	2°58	10°31	20° 8	26°59	27° 6	15°26	n.a.	S 24
S 25	23 59 30	28° 1'54	25°48	21°53	16° 8	3° 0	17°42	8° 8	3° 1	10°32	20° 9	26°46	27° 3	15°33	n.a.	S 25
M26	0 3 27	29° 1'56	7♏38	22°36	17°18	3°39	17°53	8°14	3° 3	10°32	20°11	26°36	27° 0	15°39	n.a.	M26
T 27	0 7 23	0♎ 1'59	19°30	23°14	18°28	4°18	18° 4	8°20	3° 6	10°33	20°12	26°29	26°56	15°46	n.a.	T 27
W28	0 11 20	1° 2'04	1♐28	23°47	19°38	4°57	18°15	8°26	3° 8	10°34	20°14	26°24	26°53	15°53	n.a.	W28
T 29	0 15 16	2° 2'10	13°35	24°15	20°49	5°35	18°27	8°32	3°11	10°34	20°16	26°22	26°50	16° 0	n.a.	T 29
F 30	0 19 13	3♎ 2'19	25♐56	24♎35	21♌59	6♍14	18♏38	8♏38	3♌13	10♋35	20♏17	26♐22	26♐47	16♎ 6	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n 5	23s27	2s 6	2n19	0s37	21n 3	1s18	16n53	1n11	15s38	0n33	11s50	1n58	20n35	0n37	23n 2	0s18	9s41	8n30	23s43	23s43	9s43		n.a.
F 2	9 43	24 10	1 3	1 37	0 44	20 58	1 13	16 41	1 12	15 40	0 33	11 52	1 58	20 35	0 37	23 2	0 18	9 41	8 29	23 43	23 43	9 45		n.a.
S 3	9 21	23 39	0n 4	0 55	0 52	20 53	1 8	16 29	1 12	15 43	0 33	11 54	1 58	20 34	0 37	23 2	0 18	9 42	8 29	23 43	23 43	9 48		n.a.
S 4	8 59	21 49	1 14	0 14	0 59	20 48	1 3	16 17	1 12	15 46	0 33	11 55	1 57	20 33	0 37	23 2	0 18	9 42	8 28	23 43	23 43	9 50		n.a.
M 5	8 37	18 41	2 21	0s27	1 7	20 42	0 58	16 4	1 12	15 49	0 32	11 57	1 57	20 33	0 37	23 2	0 18	9 43	8 28	23 43	23 43	9 53		n.a.
T 6	8 14	14 22	3 23	1 8	1 14	20 35	0 53	15 52	1 12	15 52	0 32	11 59	1 57	20 32	0 37	23 2	0 18	9 44	8 28	23 43	23 42	9 55		n.a.
W 7	7 52	9 5	4 13	1 48	1 21	20 28	0 49	15 40	1 12	15 55	0 32	12 1	1 57	20 31	0 37	23 2	0 18	9 44	8 27	23 43	23 42	9 57		n.a.
T 8	7 29	3 11	4 47	2 27	1 28	20 20	0 44	15 27	1 12	15 58	0 32	12 2	1 57	20 31	0 38	23 1	0 18	9 45	8 27	23 43	23 42	10 0		n.a.
F 9	7 6	2n58	5 1	3 7	1 36	20 11	0 39	15 14	1 12	16 1	0 32	12 4	1 56	20 30	0 38	23 1	0 18	9 45	8 27	23 43	23 42	10 2		n.a.
S 10	6 43	8 57	4 54	3 45	1 43	20 2	0 34	15 1	1 12	16 4	0 31	12 6	1 56	20 29	0 38	23 1	0 18	9 46	8 26	23 43	23 42	10 5		n.a.
S 11	6 20	14 20	4 27	4 23	1 49	19 53	0 30	14 48	1 12	16 7	0 31	12 8	1 56	20 28	0 38	23 1	0 18	9 47	8 26	23 43	23 42	10 7		n.a.
M12	5 57	18 46	3 43	5 0	1 56	19 43	0 25	14 35	1 12	16 10	0 31	12 10	1 56	20 28	0 38	23 1	0 18	9 47	8 26	23 43	23 42	10 10		n.a.
T 13	5 33	21 57	2 46	5 36	2 3	19 32	0 20	14 22	1 12	16 13	0 31	12 12	1 56	20 27	0 38	23 1	0 18	9 48	8 25	23 43	23 42	10 12		n.a.
W14	5 10	23 43	1 40	6 12	2 9	19 21	0 16	14 9	1 12	16 16	0 31	12 14	1 56	20 27	0 38	23 1	0 18	9 49	8 25	23 43	23 42	10 14		n.a.
T 15	4 46	24 1	0 30	6 47	2 16	19 9	0 11	13 56	1 12	16 19	0 31	12 16	1 55	20 26	0 38	23 1	0 18	9 49	8 25	23 43	23 42	10 17		n.a.
F 16	4 23	22 56	0s40	7 20	2 22	18 56	0 7	13 42	1 12	16 22	0 30	12 17	1 55	20 25	0 38	23 1	0 18	9 50	8 24	23 43	23 42	10 19		n.a.
S 17	3 59	20 40	1 46	7 53	2 27	18 43	0 3	13 29	1 12	16 25	0 30	12 19	1 55	20 25	0 38	23 1	0 18	9 51	8 24	23 43	23 42	10 22		n.a.
S 18	3 35	17 26	2 45	8 25	2 33	18 30	0n 2	13 15	1 12	16 28	0 30	12 21	1 55	20 24	0 38	23 1	0 18	9 51	8 24	23 43	23 42	10 24		n.a.
M19	3 12	13 29	3 35	8 55	2 38	18 15	0 6	13 2	1 12	16 31	0 30	12 23	1 55	20 23	0 38	23 1	0 18	9 52	8 23	23 42	23 42	10 26		n.a.
T 20	2 48	9 1	4 15	9 24	2 43	18 1	0 10	12 48	1 12	16 35	0 30	12 25	1 54	20 23	0 38	23 0	0 18	9 53	8 23	23 42	23 42	10 29		n.a.
W21	2 24	4 16	4 42	9 52	2 48	17 46	0 14	12 34	1 11	16 38	0 29	12 27	1 54	20 22	0 38	23 0	0 18	9 53	8 23	23 42	23 42	10 31		n.a.
T 22	2 0	0s35	4 57	10 18	2 52	17 30	0 18	12 20	1 11	16 41	0 29	12 29	1 54	20 22	0 38	23 0	0 18	9 54	8 22	23 42	23 42	10 34		n.a.
F 23	1 36	5 23	4 58	10 42	2 55	17 14	0 22	12 6	1 11	16 44	0 29	12 31	1 54	20 21	0 38	23 0	0 18	9 55	8 22	23 42	23 41	10 36		n.a.
S 24	1 12	9 57	4 46	11 4	2 58	16 57	0 26	11 52	1 11	16 48	0 29	12 33	1 54	20 20	0 38	23 0	0 18	9 55	8 22	23 41	23 41	10 38		n.a.
S 25	0 47	14 9	4 22	11 25	3 1	16 39	0 30	11 38	1 11	16 51	0 29	12 35	1 54	20 20	0 38	23 0	0 18	9 56	8 21	23 41	23 41	10 41		n.a.
M26	0 23	17 47	3 47	11 43	3 2	16 22	0 33	11 23	1 11	16 54	0 29	12 38	1 54	20 19	0 38	23 0	0 18	9 57	8 21	23 41	23 41	10 43		n.a.
T 27	0s 1	20 43	3 1	11 58	3 3	16 3	0 37	11 9	1 11	16 58	0 29	12 40	1 53	20 19	0 38	23 0	0 18	9 58	8 21	23 40	23 41	10 46		n.a.
W28	0 25	22 47	2 8	12 10	3 3	15 45	0 41	10 55	1 11	17 1	0 28	12 42	1 53	20 18	0 38	23 0	0 18	9 58	8 20	23 40	23 41	10 48		n.a.
T 29	0 49	23 49	1 7	12 20	3 3	15 25	0 44	10 40	1 11	17 4	0 28	12 44	1 53	20 18	0 38	23 0	0 18	9 59	8 20	23 40	23 41	10 50		n.a.
F 30	1s13	23s42	0s 2	12s26	3s 1	15n 6	0n47	10n26	1n11	17s 8	0n28	12s46	1n53	20n17	0n38	23n 0	0s18	10s 0	8n20	23s40	23s41	10s53		n.a.

Julian Day Number = 1639850.5, Delta T = 03h37m02s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'10, Lahiri = - 7°02'09 Julian Calendar 1 Sept. 224 BCE == Greg. Calendar 28 Aug. 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

OCTOBER 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 23 10	4♎ 2'29	8♉37	24♎49	23♌10	6♍53	18♏50	8♏44	3♌15	10♋36	20♏19	26°R22	26♐44	16♎13	n.a.	S 1
S 2	0 27 6	5° 2'41	21°43	24°R55	24°21	7°32	19° 1	8°50	3°17	10°36	20°21	26♐21	26°41	16°20	n.a.	S 2
M 3	0 31 3	6° 2'54	5♒16	24°53	25°31	8°11	19°13	8°56	3°20	10°37	20°22	26°18	26°37	16°26	n.a.	M 3
T 4	0 34 59	7° 3'09	19°20	24°42	26°42	8°49	19°25	9° 3	3°22	10°37	20°24	26°13	26°34	16°33	n.a.	T 4
W 5	0 38 56	8° 3'25	3♓54	24°22	27°54	9°28	19°37	9° 9	3°24	10°38	20°26	26° 5	26°31	16°40	n.a.	W 5
T 6	0 42 52	9° 3'44	18°52	23°52	29° 5	10° 7	19°49	9°15	3°26	10°38	20°28	25°55	26°28	16°47	n.a.	T 6
F 7	0 46 49	10° 4'03	4♈ 8	23°12	0♍16	10°46	20° 1	9°22	3°28	10°38	20°29	25°44	26°25	16°53	n.a.	F 7
S 8	0 50 45	11° 4'25	19°30	22°22	1°28	11°25	20°13	9°28	3°30	10°39	20°31	25°33	26°22	17° 0	n.a.	S 8
S 9	0 54 42	12° 4'49	4♉46	21°24	2°39	12° 4	20°25	9°35	3°32	10°39	20°33	25°24	26°18	17° 7	n.a.	S 9
M10	0 58 39	13° 5'14	19°46	20°17	3°51	12°43	20°37	9°41	3°34	10°39	20°35	25°17	26°15	17°13	n.a.	M10
T 11	1 2 35	14° 5'42	4♊22	19° 4	5° 3	13°22	20°49	9°48	3°36	10°40	20°37	25°13	26°12	17°20	n.a.	T 11
W12	1 6 32	15° 6'11	18°30	17°46	6°15	14° 1	21° 2	9°54	3°37	10°40	20°39	25°11	26° 9	17°27	n.a.	W12
T 13	1 10 28	16° 6'43	2♋10	16°26	7°27	14°40	21°14	10° 1	3°39	10°40	20°41	25°D11	26° 6	17°34	n.a.	T 13
F 14	1 14 25	17° 7'16	15°23	15° 6	8°39	15°18	21°27	10° 7	3°41	10°40	20°43	25°R12	26° 2	17°40	n.a.	F 14
S 15	1 18 21	18° 7'51	28°14	13°49	9°51	15°57	21°39	10°14	3°42	10°40	20°45	25°11	25°59	17°47	n.a.	S 15
S 16	1 22 18	19° 8'29	10♌46	12°38	11° 4	16°36	21°52	10°21	3°44	10°40	20°47	25° 9	25°56	17°54	n.a.	S 16
M17	1 26 14	20° 9'08	23° 3	11°34	12°16	17°15	22° 4	10°27	3°45	10°R40	20°49	25° 4	25°53	18° 0	n.a.	M17
T 18	1 30 11	21° 9'49	5♍10	10°39	13°29	17°55	22°17	10°34	3°47	10°40	20°51	24°57	25°50	18° 7	n.a.	T 18
W19	1 34 8	22°10'31	17°10	9°55	14°42	18°34	22°30	10°41	3°48	10°40	20°53	24°47	25°47	18°14	n.a.	W19
T 20	1 38 4	23°11'15	29° 5	9°22	15°54	19°13	22°43	10°48	3°50	10°40	20°55	24°35	25°43	18°21	n.a.	T 20
F 21	1 42 1	24°12'01	10♎57	9° 1	17° 7	19°52	22°56	10°54	3°51	10°40	20°57	24°22	25°40	18°27	n.a.	F 21
S 22	1 45 57	25°12'48	22°48	8°D52	18°20	20°31	23° 8	11° 1	3°52	10°40	20°59	24°10	25°37	18°34	n.a.	S 22
S 23	1 49 54	26°13'37	4♏40	8°53	19°33	21°10	23°21	11° 8	3°53	10°40	21° 1	23°59	25°34	18°41	n.a.	S 23
M24	1 53 50	27°14'28	16°34	9° 6	20°46	21°49	23°34	11°15	3°54	10°40	21° 3	23°51	25°31	18°47	n.a.	M24
T 25	1 57 47	28°15'19	28°31	9°28	21°59	22°28	23°48	11°22	3°56	10°39	21° 5	23°45	25°27	18°54	n.a.	T 25
W26	2 1 43	29°16'12	10♐34	9°59	23°12	23° 7	24° 1	11°29	3°57	10°39	21° 7	23°42	25°24	19° 1	n.a.	W26
T 27	2 5 40	0♏17'06	22°46	10°38	24°26	23°46	24°14	11°36	3°58	10°39	21°10	23°D41	25°21	19° 8	n.a.	T 27
F 28	2 9 37	1°18'01	5♉10	11°23	25°39	24°25	24°27	11°43	3°58	10°38	21°12	23°41	25°18	19°14	n.a.	F 28
S 29	2 13 33	2°18'57	17°51	12°16	26°53	25° 5	24°40	11°50	3°59	10°38	21°14	23°42	25°15	19°21	n.a.	S 29
S 30	2 17 30	3°19'54	0♒52	13°13	28° 6	25°44	24°54	11°57	4° 0	10°38	21°16	23°R43	25°12	19°28	n.a.	S 30
M31	2 21 26	4♏20'52	14♒17	14♎16	29♍20	26♍23	25♏ 7	12♏ 4	4♌ 1	10♋37	21♏18	23♐42	25♐ 8	19♎34	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s37	22s22	1n 4	12s28	2s58	14n45	0n51	10n11	1n11	17s11	0n28	12s48	1n53	20n17	0n38	23n 0	0s18	10s 0	8n20	23s40	23s41	10s55		n.a.
S 2	2 2	19 49	2 10	12 27	2 54	14 25	0 54	9 56	1 11	17 14	0 28	12 50	1 53	20 16	0 38	23 0	0 18	10 1	8 19	23 40	23 41	10 57		n.a.
M 3	2 26	16 6	3 10	12 21	2 48	14 4	0 57	9 42	1 11	17 18	0 28	12 52	1 52	20 16	0 38	23 0	0 18	10 2	8 19	23 40	23 41	11 0		n.a.
T 4	2 50	11 23	4 1	12 10	2 41	13 42	1 0	9 27	1 11	17 21	0 27	12 54	1 52	20 15	0 38	23 0	0 18	10 3	8 19	23 40	23 41	11 2		n.a.
W 5	3 14	5 52	4 39	11 54	2 32	13 20	1 3	9 12	1 11	17 24	0 27	12 57	1 52	20 15	0 38	23 0	0 18	10 3	8 18	23 40	23 41	11 4		n.a.
T 6	3 38	0n 7	4 59	11 33	2 22	12 58	1 6	8 57	1 11	17 28	0 27	12 59	1 52	20 14	0 38	23 0	0 18	10 4	8 18	23 40	23 40	11 7		n.a.
F 7	4 2	6 12	4 58	11 7	2 9	12 35	1 9	8 42	1 11	17 31	0 27	13 1	1 52	20 14	0 38	23 0	0 18	10 5	8 18	23 39	23 40	11 9		n.a.
S 8	4 26	11 57	4 35	10 35	1 55	12 12	1 12	8 27	1 11	17 35	0 27	13 3	1 52	20 14	0 38	23 0	0 18	10 5	8 18	23 39	23 40	11 11		n.a.
S 9	4 50	16 55	3 54	9 58	1 39	11 48	1 14	8 12	1 10	17 38	0 27	13 5	1 52	20 13	0 39	23 0	0 18	10 6	8 17	23 38	23 40	11 14		n.a.
M10	5 14	20 42	2 56	9 17	1 22	11 24	1 17	7 57	1 10	17 41	0 27	13 7	1 52	20 13	0 39	23 0	0 18	10 7	8 17	23 38	23 40	11 16		n.a.
T 11	5 37	23 2	1 48	8 31	1 3	11 0	1 19	7 42	1 10	17 45	0 26	13 10	1 51	20 12	0 39	23 0	0 18	10 8	8 17	23 38	23 40	11 18		n.a.
W12	6 1	23 48	0 35	7 43	0 43	10 35	1 22	7 26	1 10	17 48	0 26	13 12	1 51	20 12	0 39	23 0	0 18	10 8	8 17	23 38	23 40	11 21		n.a.
T 13	6 25	23 5	0s37	6 53	0 23	10 10	1 24	7 11	1 10	17 52	0 26	13 14	1 51	20 12	0 39	23 0	0 18	10 9	8 16	23 38	23 40	11 23		n.a.
F 14	6 48	21 5	1 45	6 3	0 2	9 45	1 26	6 56	1 10	17 55	0 26	13 16	1 51	20 11	0 39	23 0	0 18	10 10	8 16	23 38	23 40	11 25		n.a.
S 15	7 12	18 3	2 46	5 14	0n19	9 20	1 28	6 40	1 10	17 59	0 26	13 18	1 51	20 11	0 39	23 0	0 18	10 11	8 16	23 38	23 40	11 28		n.a.
S 16	7 35	14 15	3 37	4 28	0 38	8 54	1 30	6 25	1 10	18 2	0 26	13 21	1 51	20 11	0 39	22 59	0 18	10 11	8 16	23 38	23 40	11 30		n.a.
M17	7 58	9 56	4 18	3 45	0 57	8 27	1 32	6 9	1 10	18 5	0 26	13 23	1 51	20 10	0 39	22 59	0 18	10 12	8 15	23 38	23 39	11 32		n.a.
T 18	8 21	5 18	4 45	3 8	1 14	8 1	1 34	5 54	1 9	18 9	0 25	13 25	1 51	20 10	0 39	23 0	0 18	10 13	8 15	23 37	23 39	11 35		n.a.
W19	8 44	0 32	5 0	2 36	1 29	7 34	1 36	5 38	1 9	18 12	0 25	13 27	1 51	20 10	0 39	23 0	0 18	10 14	8 15	23 37	23 39	11 37		n.a.
T 20	9 7	4s14	5 2	2 11	1 43	7 7	1 38	5 23	1 9	18 16	0 25	13 29	1 51	20 9	0 39	23 0	0 18	10 14	8 15	23 37	23 39	11 39		n.a.
F 21	9 30	8 50	4 51	1 52	1 54	6 40	1 39	5 7	1 9	18 19	0 25	13 32	1 50	20 9	0 39	23 0	0 18	10 15	8 15	23 36	23 39	11 42		n.a.
S 22	9 52	13 5	4 27	1 39	2 4	6 12	1 41	4 51	1 9	18 23	0 25	13 34	1 50	20 9	0 39	23 0	0 18	10 16	8 14	23 36	23 39	11 44		n.a.
S 23	10 14	16 51	3 51	1 33	2 12	5 45	1 42	4 36	1 9	18 26	0 25	13 36	1 50	20 9	0 39	23 0	0 18	10 16	8 14	23 35	23 39	11 46		n.a.
M24	10 37	19 56	3 5	1 32	2 18	5 17	1 43	4 20	1 9	18 29	0 25	13 38	1 50	20 8	0 39	23 0	0 18	10 17	8 14	23 35	23 39	11 48		n.a.
T 25	10 59	22 11	2 11	1 37	2 22	4 49	1 44	4 4	1 9	18 33	0 25	13 41	1 50	20 8	0 39	23 0	0 18	10 18	8 14	23 34	23 39	11 51		n.a.
W26	11 21	23 27	1 10	1 47	2 25	4 20	1 46	3 48	1 8	18 36	0 24	13 43	1 50	20 8	0 39	23 0	0 18	10 19	8 14	23 34	23 38	11 53		n.a.
T 27	11 42	23 36	0 5	2 0	2 27	3 52	1 47	3 33	1 8	18 40	0 24	13 45	1 50	20 8	0 39	23 0	0 18	10 19	8 13	23 34	23 38	11 55		n.a.
F 28	12 4	22 36	1n 2	2 18	2 27	3 23	1 47	3 17	1 8	18 43	0 24	13 47	1 50	20 7	0 39	23 0	0 18	10 20	8 13	23 34	23 38	11 58		n.a.
S 29	12 25	20 26	2 6	2 39	2 27	2 55	1 48	3 1	1 8	18 46	0 24	13 49	1 50	20 7	0 39	23 0	0 18	10 21	8 13	23 34	23 38	12 0		n.a.
S 30	12 46	17 10	3 7	3 3	2 25	2 26	1 49	2 45	1 8	18 50	0 24	13 52	1 50	20 7	0 39	23 0	0 18	10 22	8 13	23 34	23 38	12 2		n.a.
M31	13s 7	12s56	3n59	3s30	2n23	1n57	1n50	2n29	1n 8	18s53	0n24	13s54	1n50	20n 7	0n39	23n 0	0s18	10s22	8n13	23s34	23s38	12s 4		n.a.

Julian Day Number = 1639880.5, Delta T = 03h37m01s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'06, Lahiri = - 7°02'05 Julian Calendar 1 Oct. 224 BCE == Greg. Calendar 27 Sept. 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

NOVEMBER 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 25 23	5♏21'50	28♒ 8	15♎22	0♎33	27♍ 2	25♏20	12♏11	4♌ 2	10°R37	21♏20	23°R40	25♐ 5	19♎41	n.a.	T 1
W 2	2 29 19	6°22'49	12♓27	16°32	1°47	27°41	25°34	12°18	4° 2	10♋36	21°23	23♐36	25° 2	19°48	n.a.	W 2
T 3	2 33 16	7°23'50	27°11	17°46	3° 1	28°20	25°47	12°25	4° 3	10°36	21°25	23°30	24°59	19°55	n.a.	T 3
F 4	2 37 12	8°24'50	12♈14	19° 2	4°14	29° 0	26° 1	12°32	4° 3	10°35	21°27	23°23	24°56	20° 1	n.a.	F 4
S 5	2 41 9	9°25'52	27°29	20°20	5°28	29°39	26°14	12°39	4° 4	10°34	21°29	23°16	24°53	20° 8	n.a.	S 5
S 6	2 45 5	10°26'55	12♉43	21°40	6°42	0♎18	26°28	12°46	4° 4	10°34	21°32	23° 9	24°49	20°15	n.a.	S 6
M 7	2 49 2	11°27'59	27°47	23° 2	7°56	0°57	26°41	12°53	4° 5	10°33	21°34	23° 5	24°46	20°21	n.a.	M 7
T 8	2 52 59	12°29'04	12♊32	24°25	9°10	1°37	26°55	13° 0	4° 5	10°32	21°36	23° 3	24°43	20°28	n.a.	T 8
W 9	2 56 55	13°30'10	26°51	25°50	10°24	2°16	27° 8	13° 7	4° 5	10°32	21°38	23°D 2	24°40	20°35	n.a.	W 9
T 10	3 0 52	14°31'17	10♋43	27°15	11°38	2°55	27°22	13°14	4° 5	10°31	21°40	23° 3	24°37	20°42	n.a.	T 10
F 11	3 4 48	15°32'25	24° 6	28°42	12°52	3°35	27°36	13°21	4° 5	10°30	21°43	23° 5	24°33	20°48	n.a.	F 11
S 12	3 8 45	16°33'34	7♌ 3	0♏ 9	14° 6	4°14	27°49	13°28	4° 6	10°29	21°45	23° 6	24°30	20°55	n.a.	S 12
S 13	3 12 41	17°34'44	19°39	1°37	15°21	4°53	28° 3	13°35	4°R 6	10°28	21°47	23°R 7	24°27	21° 2	n.a.	S 13
M14	3 16 38	18°35'54	1♍56	3° 6	16°35	5°33	28°17	13°42	4° 6	10°28	21°50	23° 6	24°24	21° 8	n.a.	M14
T 15	3 20 35	19°37'06	14° 2	4°35	17°49	6°12	28°31	13°49	4° 5	10°27	21°52	23° 3	24°21	21°15	n.a.	T 15
W16	3 24 31	20°38'19	25°58	6° 4	19° 3	6°51	28°44	13°56	4° 5	10°26	21°54	22°59	24°18	21°22	n.a.	W16
T 17	3 28 28	21°39'32	7♎50	7°34	20°18	7°31	28°58	14° 3	4° 5	10°25	21°56	22°54	24°14	21°29	n.a.	T 17
F 18	3 32 24	22°40'46	19°40	9° 5	21°32	8°10	29°12	14°10	4° 5	10°24	21°59	22°48	24°11	21°35	n.a.	F 18
S 19	3 36 21	23°42'01	1♏32	10°36	22°47	8°50	29°26	14°17	4° 5	10°23	22° 1	22°42	24° 8	21°42	n.a.	S 19
S 20	3 40 17	24°43'16	13°27	12° 7	24° 1	9°29	29°40	14°24	4° 4	10°22	22° 3	22°37	24° 5	21°49	n.a.	S 20
M21	3 44 14	25°44'32	25°28	13°38	25°16	10° 8	29°53	14°30	4° 4	10°21	22° 5	22°33	24° 2	21°55	n.a.	M21
T 22	3 48 10	26°45'48	7♐35	15° 9	26°30	10°48	0♐ 7	14°37	4° 3	10°19	22° 8	22°31	23°59	22° 2	n.a.	T 22
W23	3 52 7	27°47'04	19°51	16°41	27°45	11°27	0°21	14°44	4° 3	10°18	22°10	22°D30	23°55	22° 9	n.a.	W23
T 24	3 56 4	28°48'21	2♑17	18°13	28°59	12° 7	0°35	14°51	4° 2	10°17	22°12	22°30	23°52	22°15	n.a.	T 24
F 25	4 0 0	29°49'38	14°54	19°46	0♏14	12°46	0°49	14°58	4° 1	10°16	22°14	22°32	23°49	22°22	n.a.	F 25
S 26	4 3 57	0♐50'54	27°45	21°18	1°28	13°26	1° 3	15° 5	4° 1	10°15	22°17	22°33	23°46	22°29	n.a.	S 26
S 27	4 7 53	1°52'11	10♒51	22°51	2°43	14° 5	1°17	15°12	4° 0	10°14	22°19	22°35	23°43	22°36	n.a.	S 27
M28	4 11 50	2°53'27	24°16	24°24	3°58	14°45	1°30	15°19	3°59	10°12	22°21	22°36	23°39	22°42	n.a.	M28
T 29	4 15 46	3°54'43	8♓ 0	25°58	5°12	15°24	1°44	15°25	3°58	10°11	22°23	22°R36	23°36	22°49	n.a.	T 29
W30	4 19 43	4♐55'59	22♓ 5	27♏31	6♏27	16♎ 4	1♐58	15♏32	3♌57	10♋10	22♏26	22♐35	23♐33	22♎56	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s28	7s55	4n38	3s59	2n19	1n28	1n50	2n13	1n 7	18s56	0n24	13s56	1n50	20n 7	0n39	23n 0	0s18	10s23	8n12	23s34	23s38	12s 7		n.a.
W 2	13 48	2 19	5 2	4 30	2 16	0 58	1 51	1 57	1 7	19 0	0 24	13 58	1 50	20 7	0 40	23 0	0 18	10 24	8 12	23 34	23 38	12 9		n.a.
T 3	14 9	3n34	5 8	5 2	2 11	0 29	1 51	1 41	1 7	19 3	0 23	14 0	1 49	20 7	0 40	23 0	0 18	10 24	8 12	23 34	23 38	12 11		n.a.
F 4	14 29	9 21	4 52	5 35	2 6	0s 0	1 51	1 25	1 7	19 6	0 23	14 3	1 49	20 7	0 40	23 0	0 18	10 25	8 12	23 33	23 37	12 13		n.a.
S 5	14 48	14 40	4 15	6 10	2 1	0 30	1 52	1 10	1 7	19 10	0 23	14 5	1 49	20 7	0 40	23 0	0 18	10 26	8 12	23 33	23 37	12 16		n.a.
S 6	15 8	19 1	3 21	6 45	1 56	0 59	1 52	0 54	1 6	19 13	0 23	14 7	1 49	20 6	0 40	23 0	0 18	10 27	8 12	23 33	23 37	12 18		n.a.
M 7	15 27	22 3	2 13	7 22	1 50	1 29	1 52	0 38	1 6	19 16	0 23	14 9	1 49	20 6	0 40	23 0	0 18	10 27	8 12	23 32	23 37	12 20		n.a.
T 8	15 46	23 30	0 57	7 58	1 43	1 58	1 52	0 22	1 6	19 20	0 23	14 11	1 49	20 6	0 40	23 0	0 18	10 28	8 11	23 32	23 37	12 22		n.a.
W 9	16 5	23 20	0s21	8 35	1 37	2 28	1 51	0 6	1 6	19 23	0 23	14 14	1 49	20 6	0 40	23 0	0 18	10 29	8 11	23 32	23 37	12 24		n.a.
T 10	16 23	21 43	1 35	9 13	1 30	2 57	1 51	0s10	1 6	19 26	0 23	14 16	1 49	20 6	0 40	23 0	0 18	10 29	8 11	23 32	23 37	12 27		n.a.
F 11	16 41	18 54	2 41	9 50	1 24	3 27	1 51	0 26	1 5	19 29	0 23	14 18	1 49	20 6	0 40	23 0	0 18	10 30	8 11	23 32	23 37	12 29		n.a.
S 12	16 59	15 14	3 37	10 28	1 17	3 56	1 50	0 42	1 5	19 33	0 22	14 20	1 49	20 6	0 40	23 0	0 18	10 31	8 11	23 32	23 36	12 31		n.a.
S 13	17 17	10 59	4 20	11 5	1 10	4 25	1 50	0 58	1 5	19 36	0 22	14 22	1 49	20 6	0 40	23 1	0 18	10 31	8 11	23 32	23 36	12 33		n.a.
M14	17 34	6 23	4 51	11 42	1 3	4 55	1 49	1 14	1 5	19 39	0 22	14 24	1 49	20 6	0 40	23 1	0 18	10 32	8 11	23 32	23 36	12 36		n.a.
T 15	17 51	1 38	5 8	12 20	0 56	5 24	1 49	1 30	1 4	19 42	0 22	14 26	1 49	20 7	0 40	23 1	0 18	10 33	8 11	23 32	23 36	12 38		n.a.
W16	18 7	3s 8	5 11	12 56	0 49	5 53	1 48	1 46	1 4	19 45	0 22	14 29	1 49	20 7	0 40	23 1	0 18	10 33	8 10	23 32	23 36	12 40		n.a.
T 17	18 24	7 45	5 1	13 33	0 42	6 22	1 47	2 2	1 4	19 49	0 22	14 31	1 49	20 7	0 40	23 1	0 18	10 34	8 10	23 32	23 36	12 42		n.a.
F 18	18 40	12 4	4 39	14 9	0 34	6 51	1 46	2 18	1 4	19 52	0 22	14 33	1 49	20 7	0 40	23 1	0 18	10 35	8 10	23 31	23 36	12 44		n.a.
S 19	18 55	15 57	4 4	14 45	0 27	7 20	1 45	2 34	1 3	19 55	0 22	14 35	1 49	20 7	0 40	23 1	0 18	10 35	8 10	23 31	23 35	12 46		n.a.
S 20	19 10	19 12	3 18	15 20	0 20	7 49	1 44	2 50	1 3	19 58	0 22	14 37	1 49	20 7	0 40	23 1	0 18	10 36	8 10	23 31	23 35	12 49		n.a.
M21	19 25	21 40	2 23	15 54	0 13	8 17	1 43	3 6	1 3	20 1	0 21	14 39	1 49	20 7	0 40	23 1	0 18	10 37	8 10	23 31	23 35	12 51		n.a.
T 22	19 40	23 10	1 21	16 29	0 6	8 45	1 42	3 22	1 3	20 4	0 21	14 41	1 49	20 7	0 40	23 1	0 18	10 37	8 10	23 30	23 35	12 53		n.a.
W23	19 54	23 34	0 15	17 2	0s 1	9 14	1 41	3 38	1 2	20 7	0 21	14 43	1 49	20 8	0 40	23 1	0 18	10 38	8 10	23 30	23 35	12 55		n.a.
T 24	20 8	22 49	0n54	17 35	0 8	9 42	1 40	3 53	1 2	20 10	0 21	14 45	1 49	20 8	0 40	23 1	0 18	10 39	8 10	23 30	23 35	12 57		n.a.
F 25	20 21	20 53	2 0	18 7	0 14	10 9	1 38	4 9	1 2	20 13	0 21	14 47	1 49	20 8	0 40	23 2	0 18	10 39	8 10	23 30	23 35	13 0		n.a.
S 26	20 34	17 53	3 2	18 38	0 21	10 37	1 37	4 25	1 2	20 16	0 21	14 49	1 49	20 8	0 41	23 2	0 18	10 40	8 10	23 31	23 34	13 2		n.a.
S 27	20 47	13 56	3 56	19 9	0 27	11 4	1 35	4 41	1 1	20 19	0 21	14 51	1 49	20 8	0 41	23 2	0 18	10 40	8 10	23 31	23 34	13 4		n.a.
M28	20 59	9 13	4 38	19 39	0 34	11 31	1 34	4 57	1 1	20 22	0 21	14 53	1 49	20 9	0 41	23 2	0 18	10 41	8 10	23 31	23 34	13 6		n.a.
T 29	21 11	3 57	5 6	20 7	0 40	11 58	1 32	5 12	1 1	20 25	0 21	14 55	1 49	20 9	0 41	23 2	0 18	10 42	8 9	23 31	23 34	13 8		n.a.
W30	21s22	1n39	5n16	20s35	0s46	12s24	1n30	5s28	1n 0	20s28	0n21	14s57	1n49	20n 9	0n41	23n 2	0s18	10s42	8n 9	23s31	23s34	13s10		n.a.

Julian Day Number = 1639911.5, Delta T = 03h37m00s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°09'01, Lahiri = - 7°02'01 Julian Calendar 1 Nov. 224 BCE == Greg. Calendar 28 Oct. 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 224 BCE
geocentric

DECEMBER 224 BCE (-223) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 23 39	5♐57'15	6♈28	29♏ 5	7♏42	16♎43	2♐12	15♏39	3°R56	10°R 8	22♏28	22°R34	23♐30	23♎ 2	n.a.	T 1
F 2	4 27 36	6°58'30	21° 7	0♐40	8°56	17°23	2°26	15°46	3♌55	10♋ 7	22°30	22♐32	23°27	23° 9	n.a.	F 2
S 3	4 31 33	7°59'45	5♉57	2°14	10°11	18° 2	2°40	15°52	3°54	10° 6	22°32	22°30	23°24	23°16	n.a.	S 3
S 4	4 35 29	9° 0'59	20°51	3°49	11°26	18°42	2°54	15°59	3°53	10° 4	22°34	22°28	23°20	23°23	n.a.	S 4
M 5	4 39 26	10° 2'14	5♊40	5°24	12°41	19°21	3° 7	16° 6	3°52	10° 3	22°37	22°27	23°17	23°29	n.a.	M 5
T 6	4 43 22	11° 3'28	20°17	7° 0	13°55	20° 1	3°21	16°12	3°51	10° 2	22°39	22°D26	23°14	23°36	n.a.	T 6
W 7	4 47 19	12° 4'42	4♋36	8°36	15°10	20°41	3°35	16°19	3°50	10° 0	22°41	22°27	23°11	23°43	n.a.	W 7
T 8	4 51 15	13° 5'56	18°31	10°12	16°25	21°20	3°49	16°25	3°48	9°59	22°43	22°27	23° 8	23°49	n.a.	T 8
F 9	4 55 12	14° 7'10	2♌ 1	11°49	17°40	22° 0	4° 3	16°32	3°47	9°57	22°45	22°28	23° 5	23°56	n.a.	F 9
S 10	4 59 9	15° 8'23	15° 6	13°26	18°55	22°39	4°16	16°38	3°46	9°56	22°47	22°29	23° 1	24° 3	n.a.	S 10
S 11	5 3 5	16° 9'37	27°48	15° 4	20° 9	23°19	4°30	16°45	3°44	9°54	22°50	22°30	22°58	24° 9	n.a.	S 11
M12	5 7 2	17°10'50	10♍11	16°42	21°24	23°59	4°44	16°51	3°43	9°53	22°52	22°30	22°55	24°16	n.a.	M12
T 13	5 10 58	18°12'03	22°19	18°21	22°39	24°38	4°58	16°58	3°41	9°51	22°54	22°R30	22°52	24°23	n.a.	T 13
W14	5 14 55	19°13'16	4♎17	20° 0	23°54	25°18	5°11	17° 4	3°39	9°50	22°56	22°30	22°49	24°30	n.a.	W14
T 15	5 18 51	20°14'28	16° 9	21°40	25° 9	25°58	5°25	17°10	3°38	9°48	22°58	22°29	22°45	24°36	n.a.	T 15
F 16	5 22 48	21°15'40	27°59	23°20	26°24	26°37	5°39	17°16	3°36	9°46	23° 0	22°29	22°42	24°43	n.a.	F 16
S 17	5 26 44	22°16'52	9♏52	25° 0	27°39	27°17	5°52	17°23	3°34	9°45	23° 2	22°D29	22°39	24°50	n.a.	S 17
S 18	5 30 41	23°18'03	21°51	26°41	28°53	27°57	6° 6	17°29	3°33	9°43	23° 4	22°29	22°36	24°56	n.a.	S 18
M19	5 34 38	24°19'13	3♐59	28°23	0♐ 8	28°36	6°19	17°35	3°31	9°42	23° 6	22°29	22°33	25° 3	n.a.	M19
T 20	5 38 34	25°20'23	16°19	0♑ 5	1°23	29°16	6°33	17°41	3°29	9°40	23° 8	22°R29	22°30	25°10	n.a.	T 20
W21	5 42 31	26°21'33	28°51	1°47	2°38	29°56	6°46	17°47	3°27	9°38	23°10	22°29	22°26	25°16	n.a.	W21
T 22	5 46 27	27°22'41	11♑36	3°30	3°53	0♏35	7° 0	17°53	3°25	9°37	23°12	22°29	22°23	25°23	n.a.	T 22
F 23	5 50 24	28°23'49	24°35	5°13	5° 8	1°15	7°13	17°59	3°23	9°35	23°14	22°29	22°20	25°30	n.a.	F 23
S 24	5 54 20	29°24'55	7♒48	6°57	6°23	1°55	7°27	18° 5	3°21	9°33	23°16	22°28	22°17	25°37	n.a.	S 24
S 25	5 58 17	0♑26'00	21°14	8°41	7°38	2°34	7°40	18°10	3°19	9°32	23°18	22°27	22°14	25°43	n.a.	S 25
M26	6 2 13	1°27'04	4♓52	10°25	8°52	3°14	7°53	18°16	3°17	9°30	23°20	22°26	22°11	25°50	n.a.	M26
T 27	6 6 10	2°28'07	18°42	12° 9	10° 7	3°54	8° 7	18°22	3°15	9°28	23°22	22°25	22° 7	25°57	n.a.	T 27
W28	6 10 7	3°29'08	2♈42	13°53	11°22	4°34	8°20	18°28	3°13	9°27	23°23	22°D25	22° 4	26° 3	n.a.	W28
T 29	6 14 3	4°30'08	16°52	15°38	12°37	5°13	8°33	18°33	3°11	9°25	23°25	22°25	22° 1	26°10	n.a.	T 29
F 30	6 18 0	5°31'07	1♉10	17°21	13°52	5°53	8°46	18°39	3° 8	9°23	23°27	22°26	21°58	26°17	n.a.	F 30
S 31	6 21 56	6♑32'04	15♉33	19♑ 5	15♐ 7	6♏33	8♐59	18♏44	3♌ 6	9♋22	23♏29	22♐27	21♐55	26♎23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21s33	7n17	5n 7	21s 2	0s52	12s51	1n29	5s44	1n 0	20s31	0n20	14s59	1n49	20n 9	0n41	23n 2	0s18	10s43	8n 9	23s31	23s34	13s12			n.a.
F 2	21 44	12 37	4 38	21 29	0 58	13 17	1 27	5 59	1 0	20 34	0 20	15 1	1 49	20 10	0 41	23 2	0 18	10 43	8 9	23 30	23 33	13 15			n.a.
S 3	21 54	17 16	3 50	21 54	1 4	13 42	1 25	6 15	0 59	20 36	0 20	15 3	1 49	20 10	0 41	23 2	0 18	10 44	8 9	23 30	23 33	13 17			n.a.
S 4	22 4	20 51	2 46	22 18	1 9	14 7	1 23	6 30	0 59	20 39	0 20	15 5	1 49	20 10	0 41	23 3	0 18	10 44	8 9	23 30	23 33	13 19			n.a.
M 5	22 13	23 0	1 32	22 41	1 15	14 32	1 21	6 46	0 59	20 42	0 20	15 7	1 49	20 11	0 41	23 3	0 18	10 45	8 9	23 30	23 33	13 21			n.a.
T 6	22 22	23 34	0 12	23 3	1 20	14 57	1 19	7 1	0 58	20 45	0 20	15 9	1 49	20 11	0 41	23 3	0 18	10 46	8 9	23 30	23 33	13 23			n.a.
W 7	22 30	22 32	1s 7	23 23	1 25	15 21	1 17	7 16	0 58	20 48	0 20	15 10	1 49	20 11	0 41	23 3	0 18	10 46	8 9	23 30	23 33	13 25			n.a.
T 8	22 38	20 7	2 20	23 43	1 29	15 45	1 15	7 32	0 57	20 50	0 20	15 12	1 49	20 12	0 41	23 3	0 18	10 47	8 9	23 30	23 32	13 27			n.a.
F 9	22 46	16 40	3 22	24 1	1 34	16 8	1 13	7 47	0 57	20 53	0 20	15 14	1 49	20 12	0 41	23 3	0 18	10 47	8 9	23 30	23 32	13 29			n.a.
S 10	22 53	12 29	4 12	24 18	1 38	16 31	1 11	8 2	0 57	20 56	0 20	15 16	1 49	20 12	0 41	23 3	0 18	10 48	8 9	23 30	23 32	13 32			n.a.
S 11	23 0	7 52	4 49	24 34	1 42	16 53	1 9	8 17	0 56	20 58	0 20	15 18	1 49	20 13	0 41	23 3	0 18	10 48	8 9	23 30	23 32	13 34			n.a.
M12	23 6	3 3	5 10	24 48	1 45	17 16	1 6	8 33	0 56	21 1	0 19	15 20	1 49	20 13	0 41	23 3	0 18	10 49	8 9	23 30	23 32	13 36			n.a.
T 13	23 11	1s46	5 17	25 0	1 49	17 37	1 4	8 48	0 56	21 4	0 19	15 21	1 49	20 13	0 41	23 4	0 18	10 49	8 9	23 30	23 32	13 38			n.a.
W14	23 17	6 28	5 11	25 12	1 52	17 58	1 2	9 3	0 55	21 6	0 19	15 23	1 49	20 14	0 41	23 4	0 18	10 50	8 9	23 30	23 31	13 40			n.a.
T 15	23 21	10 53	4 51	25 22	1 54	18 19	0 59	9 18	0 55	21 9	0 19	15 25	1 49	20 14	0 41	23 4	0 18	10 50	8 9	23 30	23 31	13 42			n.a.
F 16	23 26	14 54	4 19	25 30	1 57	18 39	0 57	9 33	0 54	21 11	0 19	15 27	1 49	20 15	0 41	23 4	0 18	10 51	8 9	23 30	23 31	13 44			n.a.
S 17	23 30	18 20	3 35	25 36	1 59	18 59	0 55	9 47	0 54	21 14	0 19	15 28	1 49	20 15	0 41	23 4	0 18	10 51	8 9	23 30	23 31	13 46			n.a.
S 18	23 33	21 3	2 42	25 41	2 1	19 18	0 52	10 2	0 53	21 16	0 19	15 30	1 49	20 16	0 41	23 4	0 17	10 52	8 9	23 30	23 31	13 48			n.a.
M19	23 36	22 51	1 41	25 45	2 2	19 37	0 50	10 17	0 53	21 19	0 19	15 32	1 49	20 16	0 41	23 4	0 17	10 52	8 9	23 30	23 31	13 50			n.a.
T 20	23 38	23 35	0 34	25 46	2 3	19 55	0 47	10 31	0 53	21 21	0 19	15 33	1 49	20 17	0 41	23 4	0 17	10 53	8 10	23 30	23 30	13 52			n.a.
W21	23 40	23 8	0n35	25 46	2 3	20 12	0 45	10 46	0 52	21 23	0 19	15 35	1 49	20 17	0 41	23 5	0 17	10 53	8 10	23 30	23 30	13 54			n.a.
T 22	23 42	21 29	1 44	25 44	2 3	20 29	0 42	11 1	0 52	21 26	0 19	15 37	1 50	20 18	0 41	23 5	0 17	10 53	8 10	23 30	23 30	13 56			n.a.
F 23	23 43	18 41	2 49	25 40	2 3	20 45	0 40	11 15	0 51	21 28	0 18	15 38	1 50	20 18	0 41	23 5	0 17	10 54	8 10	23 30	23 30	13 59			n.a.
S 24	23 43	14 54	3 46	25 34	2 2	21 1	0 37	11 29	0 51	21 30	0 18	15 40	1 50	20 18	0 42	23 5	0 17	10 54	8 10	23 30	23 30	14 1			n.a.
S 25	23 43	10 19	4 31	25 26	2 0	21 16	0 34	11 44	0 50	21 33	0 18	15 41	1 50	20 19	0 42	23 5	0 17	10 55	8 10	23 30	23 29	14 3			n.a.
M26	23 43	5 9	5 2	25 16	1 58	21 31	0 32	11 58	0 50	21 35	0 18	15 43	1 50	20 20	0 42	23 5	0 17	10 55	8 10	23 30	23 29	14 5			n.a.
T 27	23 42	0n19	5 16	25 4	1 55	21 45	0 29	12 12	0 49	21 37	0 18	15 44	1 50	20 20	0 42	23 5	0 17	10 55	8 10	23 30	23 29	14 7			n.a.
W28	23 40	5 51	5 12	24 51	1 52	21 58	0 27	12 26	0 49	21 39	0 18	15 46	1 50	20 21	0 42	23 6	0 17	10 56	8 10	23 30	23 29	14 9			n.a.
T 29	23 39	11 8	4 49	24 35	1 48	22 11	0 24	12 40	0 48	21 42	0 18	15 47	1 50	20 21	0 42	23 6	0 17	10 56	8 10	23 30	23 29	14 11			n.a.
F 30	23 36	15 52	4 7	24 17	1 44	22 23	0 21	12 54	0 48	21 44	0 18	15 49	1 50	20 22	0 42	23 6	0 17	10 56	8 10	23 30	23 28	14 13			n.a.
S 31	23s33	19n43	3n11	23s58	1s38	22s34	0n19	13s 7	0n47	21s46	0n18	15s50	1n50	20n22	0n42	23n 6	0s17	10s57	8n10	23s30	23s28	14s15			n.a.

Julian Day Number = 1639941.5, Delta T = 03h36m59s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'57, Lahiri = - 7°01'57 Julian Calendar 1 Dec. 224 BCE == Greg. Calendar 27 Nov. 224 BCE

The year -223 astronomical counting style corresponds to year 224 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

JANUARY 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 25 53	7♉33'00	29♉57	20♉47	16♐21	7♏13	9♐13	18♏50	3°R 4	9°R20	23♏31	22♐28	21♐51	26♎30	n.a.	S 1
M 2	6 29 49	8°33'54	14♊18	22°29	17°36	7°52	9°26	18°55	3♌ 2	9♋18	23°32	22°29	21°48	26°37	n.a.	M 2
T 3	6 33 46	9°34'47	28°31	24° 9	18°51	8°32	9°39	19° 0	2°59	9°17	23°34	22°R29	21°45	26°44	n.a.	T 3
W 4	6 37 43	10°35'39	12♋32	25°47	20° 6	9°12	9°51	19° 5	2°57	9°15	23°36	22°28	21°42	26°50	n.a.	W 4
T 5	6 41 39	11°36'29	26°17	27°24	21°21	9°52	10° 4	19°11	2°55	9°13	23°37	22°26	21°39	26°57	n.a.	T 5
F 6	6 45 36	12°37'18	9♌43	28°57	22°36	10°31	10°17	19°16	2°52	9°12	23°39	22°23	21°36	27° 4	n.a.	F 6
S 7	6 49 32	13°38'06	22°48	0♒28	23°50	11°11	10°30	19°21	2°50	9°10	23°41	22°20	21°32	27°10	n.a.	S 7
S 8	6 53 29	14°38'52	5♍33	1°55	25° 5	11°51	10°43	19°26	2°47	9° 8	23°42	22°17	21°29	27°17	n.a.	S 8
M 9	6 57 25	15°39'38	18° 0	3°18	26°20	12°31	10°55	19°31	2°45	9° 6	23°44	22°14	21°26	27°24	n.a.	M 9
T 10	7 1 22	16°40'22	0♎11	4°35	27°35	13°10	11° 8	19°35	2°42	9° 5	23°45	22°11	21°23	27°30	n.a.	T 10
W11	7 5 18	17°41'05	12°11	5°47	28°50	13°50	11°20	19°40	2°40	9° 3	23°47	22°10	21°20	27°37	n.a.	W11
T 12	7 9 15	18°41'46	24° 3	6°52	0♉ 4	14°30	11°33	19°45	2°37	9° 1	23°49	22°D10	21°17	27°44	n.a.	T 12
F 13	7 13 12	19°42'26	5♏54	7°50	1°19	15°10	11°45	19°50	2°35	9° 0	23°50	22°11	21°13	27°51	n.a.	F 13
S 14	7 17 8	20°43'05	17°47	8°40	2°34	15°50	11°58	19°54	2°32	8°58	23°51	22°13	21°10	27°57	n.a.	S 14
S 15	7 21 5	21°43'43	29°49	9°22	3°49	16°29	12°10	19°59	2°30	8°56	23°53	22°15	21° 7	28° 4	n.a.	S 15
M16	7 25 1	22°44'19	12♐ 2	9°54	5° 4	17° 9	12°22	20° 3	2°27	8°55	23°54	22°16	21° 4	28°11	n.a.	M16
T 17	7 28 58	23°44'54	24°30	10°16	6°18	17°49	12°34	20° 7	2°25	8°53	23°56	22°R17	21° 1	28°17	n.a.	T 17
W18	7 32 54	24°45'28	7♉17	10°29	7°33	18°29	12°46	20°12	2°22	8°52	23°57	22°16	20°57	28°24	n.a.	W18
T 19	7 36 51	25°45'59	20°22	10°R31	8°48	19° 8	12°58	20°16	2°20	8°50	23°58	22°13	20°54	28°31	n.a.	T 19
F 20	7 40 47	26°46'29	3♒45	10°23	10° 3	19°48	13°10	20°20	2°17	8°48	24° 0	22° 8	20°51	28°37	n.a.	F 20
S 21	7 44 44	27°46'57	17°25	10° 5	11°17	20°28	13°22	20°24	2°14	8°47	24° 1	22° 3	20°48	28°44	n.a.	S 21
S 22	7 48 41	28°47'24	1♓18	9°37	12°32	21° 8	13°34	20°28	2°12	8°45	24° 2	21°57	20°45	28°51	n.a.	S 22
M23	7 52 37	29°47'48	15°22	9° 0	13°47	21°48	13°45	20°32	2° 9	8°44	24° 3	21°51	20°42	28°58	n.a.	M23
T 24	7 56 34	0♒48'10	29°31	8°15	15° 2	22°27	13°57	20°35	2° 6	8°42	24° 4	21°46	20°38	29° 4	n.a.	T 24
W25	8 0 30	1°48'30	13♈42	7°24	16°16	23° 7	14° 8	20°39	2° 4	8°41	24° 6	21°43	20°35	29°11	n.a.	W25
T 26	8 4 27	2°48'48	27°53	6°27	17°31	23°47	14°20	20°43	2° 1	8°39	24° 7	21°D41	20°32	29°18	n.a.	T 26
F 27	8 8 23	3°49'04	12♉ 1	5°26	18°46	24°26	14°31	20°46	1°59	8°38	24° 8	21°42	20°29	29°24	n.a.	F 27
S 28	8 12 20	4°49'17	26° 6	4°23	20° 0	25° 6	14°42	20°50	1°56	8°36	24° 9	21°43	20°26	29°31	n.a.	S 28
S 29	8 16 16	5°49'29	10♊ 5	3°19	21°15	25°46	14°54	20°53	1°53	8°35	24°10	21°44	20°23	29°38	n.a.	S 29
M30	8 20 13	6°49'38	23°58	2°15	22°30	26°26	15° 5	20°56	1°51	8°33	24°11	21°R44	20°19	29°44	n.a.	M30
T 31	8 24 10	7♒49'45	7♋43	1♒14	23♉44	27♏ 5	15♐16	21♏ 0	1♌48	8♋32	24♏12	21♐43	20♐16	29♎51	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	23 s30	22n21	2n 2	23 s37	1 s32	22 s45	0n16	13 s21	0n46	21 s48	0n18	15 s52	1n50	20n23	0n42	23n 6	0 s17	10 s57	8n10	23 s30	23 s28	14 s17			n.a.
M 2	23 26	23 32	0 45	23 13	1 25	22 55	0 14	13 35	0 46	21 50	0 18	15 53	1 50	20 23	0 42	23 6	0 17	10 58	8 10	23 30	23 28	14 19			n.a.
T 3	23 22	23 9	0 s33	22 49	1 18	23 4	0 11	13 48	0 45	21 52	0 18	15 54	1 50	20 24	0 42	23 6	0 17	10 58	8 11	23 30	23 28	14 21			n.a.
W 4	23 18	21 19	1 49	22 22	1 9	23 12	0 8	14 1	0 45	21 54	0 17	15 56	1 51	20 24	0 42	23 6	0 17	10 58	8 11	23 30	23 27	14 23			n.a.
T 5	23 12	18 16	2 56	21 54	1 0	23 20	0 6	14 15	0 44	21 56	0 17	15 57	1 51	20 25	0 42	23 7	0 17	10 58	8 11	23 30	23 27	14 25			n.a.
F 6	23 7	14 18	3 52	21 25	0 50	23 28	0 3	14 28	0 44	21 58	0 17	15 58	1 51	20 26	0 42	23 7	0 17	10 59	8 11	23 30	23 27	14 27			n.a.
S 7	23 1	9 46	4 34	20 55	0 39	23 34	0 1	14 41	0 43	22 0	0 17	16 0	1 51	20 26	0 42	23 7	0 17	10 59	8 11	23 30	23 27	14 29			n.a.
S 8	22 54	4 55	5 1	20 24	0 27	23 40	0 s 2	14 54	0 42	22 2	0 17	16 1	1 51	20 27	0 42	23 7	0 17	10 59	8 11	23 30	23 27	14 31			n.a.
M 9	22 47	0 s 0	5 14	19 53	0 14	23 45	0 5	15 7	0 42	22 4	0 17	16 2	1 51	20 27	0 42	23 7	0 17	11 0	8 11	23 29	23 26	14 33			n.a.
T 10	22 40	4 50	5 12	19 21	0 1	23 49	0 7	15 19	0 41	22 6	0 17	16 3	1 51	20 28	0 42	23 7	0 17	11 0	8 11	23 29	23 26	14 35			n.a.
W11	22 32	9 24	4 56	18 50	0n13	23 53	0 10	15 32	0 40	22 8	0 17	16 5	1 51	20 29	0 42	23 7	0 17	11 0	8 11	23 29	23 26	14 37			n.a.
T 12	22 24	13 34	4 27	18 19	0 28	23 55	0 12	15 45	0 40	22 9	0 17	16 6	1 51	20 29	0 42	23 7	0 17	11 0	8 11	23 29	23 26	14 39			n.a.
F 13	22 15	17 13	3 48	17 49	0 44	23 58	0 15	15 57	0 39	22 11	0 17	16 7	1 51	20 30	0 42	23 8	0 17	11 1	8 12	23 29	23 26	14 41			n.a.
S 14	22 6	20 11	2 58	17 21	1 0	23 59	0 17	16 9	0 38	22 13	0 17	16 8	1 51	20 30	0 42	23 8	0 17	11 1	8 12	23 29	23 25	14 43			n.a.
S 15	21 57	22 18	2 0	16 54	1 16	24 0	0 20	16 22	0 38	22 15	0 17	16 9	1 52	20 31	0 42	23 8	0 17	11 1	8 12	23 30	23 25	14 45			n.a.
M16	21 47	23 25	0 56	16 29	1 33	23 59	0 22	16 34	0 37	22 16	0 17	16 10	1 52	20 32	0 42	23 8	0 17	11 1	8 12	23 30	23 25	14 47			n.a.
T 17	21 36	23 24	0n12	16 7	1 50	23 59	0 24	16 46	0 36	22 18	0 16	16 11	1 52	20 32	0 42	23 8	0 17	11 1	8 12	23 30	23 25	14 49			n.a.
W18	21 26	22 10	1 21	15 47	2 6	23 57	0 27	16 57	0 36	22 20	0 16	16 12	1 52	20 33	0 42	23 8	0 17	11 2	8 12	23 30	23 25	14 50			n.a.
T 19	21 14	19 44	2 27	15 31	2 23	23 55	0 29	17 9	0 35	22 21	0 16	16 13	1 52	20 33	0 42	23 8	0 17	11 2	8 12	23 29	23 24	14 52			n.a.
F 20	21 3	16 11	3 27	15 18	2 38	23 52	0 31	17 21	0 34	22 23	0 16	16 14	1 52	20 34	0 42	23 8	0 17	11 2	8 13	23 29	23 24	14 54			n.a.
S 21	20 51	11 44	4 16	15 9	2 53	23 48	0 34	17 32	0 34	22 24	0 16	16 15	1 52	20 35	0 42	23 9	0 17	11 2	8 13	23 29	23 24	14 56			n.a.
S 22	20 39	6 37	4 51	15 4	3 6	23 43	0 36	17 44	0 33	22 26	0 16	16 16	1 52	20 35	0 42	23 9	0 17	11 2	8 13	23 28	23 24	14 58			n.a.
M23	20 26	1 6	5 8	15 2	3 19	23 38	0 38	17 55	0 32	22 27	0 16	16 17	1 52	20 36	0 42	23 9	0 17	11 2	8 13	23 28	23 23	15 0			n.a.
T 24	20 13	4n30	5 8	15 3	3 29	23 32	0 40	18 6	0 31	22 29	0 16	16 18	1 53	20 36	0 42	23 9	0 17	11 3	8 13	23 28	23 23	15 2			n.a.
W25	19 59	9 53	4 48	15 8	3 38	23 25	0 43	18 17	0 30	22 30	0 16	16 19	1 53	20 37	0 42	23 9	0 17	11 3	8 13	23 28	23 23	15 4			n.a.
T 26	19 46	14 44	4 11	15 16	3 44	23 18	0 45	18 28	0 30	22 32	0 16	16 20	1 53	20 38	0 42	23 9	0 17	11 3	8 13	23 27	23 23	15 6			n.a.
F 27	19 32	18 46	3 19	15 26	3 49	23 10	0 47	18 38	0 29	22 33	0 16	16 21	1 53	20 38	0 42	23 9	0 17	11 3	8 14	23 27	23 23	15 8			n.a.
S 28	19 17	21 41	2 14	15 39	3 51	23 1	0 49	18 49	0 28	22 34	0 16	16 21	1 53	20 39	0 42	23 9	0 17	11 3	8 14	23 28	23 22	15 10			n.a.
S 29	19 2	23 16	1 3	15 54	3 51	22 51	0 51	18 59	0 27	22 36	0 16	16 22	1 53	20 39	0 42	23 10	0 17	11 3	8 14	23 28	23 22	15 12			n.a.
M30	18 47	23 23	0 s12	16 11	3 49	22 41	0 53	19 9	0 26	22 37	0 15	16 23	1 53	20 40	0 42	23 10	0 17	11 3	8 14	23 28	23 22	15 14			n.a.
T 31	18 s32	22n 5	1 s25	16 s28	3n44	22 s30	0 s54	19 s20	0n25	22 s38	0n15	16 s24	1n53	20n41	0n42	23n10	0 s17	11 s 3	8n14	23 s28	23 s22	15 s15			n.a.

Julian Day Number = 1639972.5, Delta T = 03h36m58s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'53, Lahiri = - 7°01'53 Julian Calendar 1 Jan. 223 BCE == Greg. Calendar 28 Dec. 224 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

FEBRUARY 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 28 6	8♒49'50	21♋18	0°R17	24♉59	27♏45	15♐27	21♏ 3	1°R46	8°R30	24♏13	21°R40	20♐13	29♎58	n.a.	W 1
T 2	8 32 3	9°49'53	4♌42	29♉23	26°13	28°25	15°37	21° 6	1♌43	8♋29	24°14	21♐34	20°10	0♏ 4	n.a.	T 2
F 3	8 35 59	10°49'54	17°52	28°35	27°28	29° 4	15°48	21° 9	1°40	8°27	24°15	21°26	20° 7	0°11	n.a.	F 3
S 4	8 39 56	11°49'52	0♍46	27°53	28°43	29°44	15°59	21°11	1°38	8°26	24°15	21°17	20° 3	0°18	n.a.	S 4
S 5	8 43 52	12°49'49	13°26	27°17	29°57	0♐24	16° 9	21°14	1°35	8°25	24°16	21° 8	20° 0	0°25	n.a.	S 5
M 6	8 47 49	13°49'44	25°50	26°48	1♒12	1° 3	16°20	21°17	1°33	8°23	24°17	20°59	19°57	0°31	n.a.	M 6
T 7	8 51 45	14°49'37	8♎ 0	26°26	2°26	1°43	16°30	21°19	1°30	8°22	24°18	20°51	19°54	0°38	n.a.	T 7
W 8	8 55 42	15°49'28	19°59	26°10	3°41	2°23	16°40	21°22	1°28	8°21	24°18	20°45	19°51	0°45	n.a.	W 8
T 9	8 59 39	16°49'18	1♏52	26° 1	4°55	3° 2	16°50	21°24	1°25	8°20	24°19	20°42	19°48	0°51	n.a.	T 9
F 10	9 3 35	17°49'05	13°42	25°D58	6°10	3°42	17° 0	21°26	1°23	8°18	24°20	20°D40	19°44	0°58	n.a.	F 10
S 11	9 7 32	18°48'51	25°35	26° 1	7°24	4°22	17°10	21°29	1°20	8°17	24°20	20°40	19°41	1° 5	n.a.	S 11
S 12	9 11 28	19°48'35	7♐35	26°11	8°39	5° 1	17°20	21°31	1°18	8°16	24°21	20°41	19°38	1°11	n.a.	S 12
M13	9 15 25	20°48'17	19°49	26°25	9°54	5°41	17°29	21°33	1°15	8°15	24°21	20°R42	19°35	1°18	n.a.	M13
T 14	9 19 21	21°47'57	2♑21	26°46	11° 8	6°21	17°39	21°35	1°13	8°14	24°22	20°41	19°32	1°25	n.a.	T 14
W15	9 23 18	22°47'36	15°15	27°11	12°23	7° 0	17°48	21°36	1°10	8°13	24°22	20°38	19°28	1°31	n.a.	W15
T 16	9 27 14	23°47'12	28°32	27°41	13°37	7°40	17°58	21°38	1° 8	8°11	24°23	20°33	19°25	1°38	n.a.	T 16
F 17	9 31 11	24°46'47	12♒14	28°15	14°52	8°19	18° 7	21°40	1° 6	8°10	24°23	20°25	19°22	1°45	n.a.	F 17
S 18	9 35 7	25°46'19	26°18	28°53	16° 6	8°59	18°16	21°41	1° 3	8° 9	24°24	20°16	19°19	1°52	n.a.	S 18
S 19	9 39 4	26°45'49	10♓38	29°35	17°20	9°38	18°25	21°43	1° 1	8° 8	24°24	20° 5	19°16	1°58	n.a.	S 19
M20	9 43 1	27°45'17	25°10	0♒21	18°35	10°18	18°34	21°44	0°59	8° 7	24°24	19°54	19°13	2° 5	n.a.	M20
T 21	9 46 57	28°44'42	9♈46	1°11	19°49	10°57	18°42	21°45	0°57	8° 6	24°25	19°45	19° 9	2°12	n.a.	T 21
W22	9 50 54	29°44'06	24°19	2° 3	21° 4	11°37	18°51	21°46	0°54	8° 5	24°25	19°39	19° 6	2°18	n.a.	W22
T 23	9 54 50	0♓43'26	8♉44	2°59	22°18	12°16	18°59	21°47	0°52	8° 5	24°25	19°35	19° 3	2°25	n.a.	T 23
F 24	9 58 47	1°42'45	22°57	3°57	23°32	12°55	19° 8	21°48	0°50	8° 4	24°25	19°33	19° 0	2°32	n.a.	F 24
S 25	10 2 43	2°42'01	6♊57	4°59	24°47	13°35	19°16	21°49	0°48	8° 3	24°25	19°D33	18°57	2°38	n.a.	S 25
S 26	10 6 40	3°41'14	20°44	6° 2	26° 1	14°14	19°24	21°50	0°46	8° 2	24°25	19°R33	18°54	2°45	n.a.	S 26
M27	10 10 36	4°40'25	4♋19	7° 9	27°16	14°53	19°32	21°51	0°44	8° 1	24°26	19°32	18°50	2°52	n.a.	M27
T 28	10 14 33	5♓39'34	17♋41	8♒17	28♒30	15♐33	19♐39	21♏51	0♌42	8♋ 1	24♏26	19♐29	18♐47	2♏58	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s16	19n30	2s33	16s46	3n38	22s19	0s56	19s30	0n25	22s40	0n15	16s24	1n54	20n41	0n42	23n10	0s17	11s 3	8n14	23s27	23s21	15s17		n.a.
T 2	18 0	15 55	3 30	17 5	3 31	22 6	0 58	19 39	0 24	22 41	0 15	16 25	1 54	20 42	0 42	23 10	0 17	11 3	8 15	23 27	23 21	15 19		n.a.
F 3	17 43	11 36	4 16	17 24	3 22	21 53	1 0	19 49	0 23	22 42	0 15	16 26	1 54	20 42	0 42	23 10	0 17	11 3	8 15	23 27	23 21	15 21		n.a.
S 4	17 27	6 51	4 47	17 42	3 11	21 40	1 2	19 59	0 22	22 43	0 15	16 26	1 54	20 43	0 42	23 10	0 17	11 3	8 15	23 26	23 21	15 23		n.a.
S 5	17 10	1 56	5 3	18 1	3 0	21 26	1 3	20 8	0 21	22 45	0 15	16 27	1 54	20 44	0 42	23 10	0 17	11 3	8 15	23 25	23 20	15 25		n.a.
M 6	16 52	2s59	5 5	18 18	2 47	21 11	1 5	20 17	0 20	22 46	0 15	16 27	1 54	20 44	0 42	23 10	0 17	11 4	8 15	23 25	23 20	15 27		n.a.
T 7	16 35	7 41	4 53	18 35	2 35	20 55	1 6	20 26	0 19	22 47	0 15	16 28	1 54	20 45	0 42	23 11	0 17	11 4	8 15	23 24	23 20	15 29		n.a.
W 8	16 17	12 1	4 28	18 51	2 21	20 39	1 8	20 35	0 18	22 48	0 15	16 28	1 55	20 45	0 42	23 11	0 17	11 4	8 16	23 24	23 20	15 30		n.a.
T 9	15 59	15 52	3 51	19 6	2 8	20 23	1 9	20 44	0 17	22 49	0 15	16 29	1 55	20 46	0 42	23 11	0 17	11 4	8 16	23 23	23 19	15 32		n.a.
F 10	15 40	19 4	3 5	19 20	1 54	20 5	1 11	20 53	0 16	22 50	0 15	16 29	1 55	20 46	0 42	23 11	0 17	11 4	8 16	23 23	23 19	15 34		n.a.
S 11	15 22	21 29	2 10	19 33	1 41	19 48	1 12	21 1	0 15	22 51	0 15	16 30	1 55	20 47	0 42	23 11	0 17	11 3	8 16	23 23	23 19	15 36		n.a.
S 12	15 3	22 59	1 10	19 44	1 27	19 29	1 13	21 9	0 14	22 52	0 14	16 30	1 55	20 47	0 42	23 11	0 17	11 3	8 16	23 23	23 19	15 38		n.a.
M13	14 44	23 24	0 5	19 55	1 13	19 10	1 14	21 17	0 13	22 53	0 14	16 31	1 55	20 48	0 42	23 11	0 17	11 3	8 16	23 23	23 18	15 40		n.a.
T 14	14 24	22 40	1n 2	20 4	1 0	18 51	1 16	21 25	0 12	22 54	0 14	16 31	1 55	20 48	0 42	23 11	0 17	11 3	8 17	23 23	23 18	15 41		n.a.
W15	14 5	20 44	2 7	20 12	0 47	18 31	1 17	21 33	0 11	22 55	0 14	16 31	1 55	20 49	0 42	23 11	0 17	11 3	8 17	23 23	23 18	15 43		n.a.
T 16	13 45	17 38	3 7	20 19	0 34	18 10	1 18	21 41	0 10	22 56	0 14	16 32	1 56	20 50	0 42	23 11	0 17	11 3	8 17	23 23	23 18	15 45		n.a.
F 17	13 25	13 31	3 59	20 24	0 22	17 49	1 19	21 48	0 9	22 57	0 14	16 32	1 56	20 50	0 42	23 11	0 17	11 3	8 17	23 22	23 17	15 47		n.a.
S 18	13 5	8 34	4 37	20 28	0 10	17 28	1 20	21 56	0 8	22 58	0 14	16 32	1 56	20 51	0 42	23 12	0 17	11 3	8 17	23 22	23 17	15 49		n.a.
S 19	12 44	3 4	4 58	20 30	0s 2	17 6	1 20	22 3	0 7	22 59	0 14	16 32	1 56	20 51	0 42	23 12	0 17	11 3	8 17	23 21	23 17	15 51		n.a.
M20	12 24	2n40	5 1	20 31	0 13	16 43	1 21	22 10	0 6	23 0	0 14	16 33	1 56	20 52	0 42	23 12	0 17	11 3	8 18	23 20	23 17	15 52		n.a.
T 21	12 3	8 16	4 45	20 31	0 24	16 20	1 22	22 17	0 4	23 0	0 14	16 33	1 56	20 52	0 42	23 12	0 17	11 3	8 18	23 19	23 16	15 54		n.a.
W22	11 42	13 23	4 9	20 29	0 34	15 57	1 23	22 23	0 3	23 1	0 14	16 33	1 56	20 53	0 42	23 12	0 16	11 3	8 18	23 19	23 16	15 56		n.a.
T 23	11 21	17 42	3 19	20 26	0 44	15 33	1 23	22 30	0 2	23 2	0 14	16 33	1 57	20 53	0 42	23 12	0 16	11 3	8 18	23 18	23 16	15 58		n.a.
F 24	10 59	20 55	2 16	20 21	0 53	15 9	1 24	22 36	0 1	23 3	0 13	16 33	1 57	20 53	0 42	23 12	0 16	11 2	8 18	23 18	23 16	16 0		n.a.
S 25	10 38	22 49	1 6	20 15	1 2	14 44	1 24	22 42	0s 0	23 4	0 13	16 33	1 57	20 54	0 42	23 12	0 16	11 2	8 19	23 18	23 15	16 1		n.a.
S 26	10 16	23 17	0s 6	20 8	1 11	14 19	1 25	22 48	0 1	23 4	0 13	16 33	1 57	20 54	0 42	23 12	0 16	11 2	8 19	23 18	23 15	16 3		n.a.
M27	9 55	22 22	1 17	19 59	1 19	13 54	1 25	22 54	0 3	23 5	0 13	16 33	1 57	20 55	0 42	23 12	0 16	11 2	8 19	23 18	23 15	16 5		n.a.
T 28	9s33	20n10	2s23	19s48	1s27	13s28	1s25	23s 0	0s 4	23s 6	0n13	16s33	1n57	20n55	0n42	23n12	0s16	11s 2	8n19	23s18	23s15	16s 7		n.a.

Julian Day Number = 1640003.5, Delta T = 03h36m57s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'49, Lahiri = - 7°01'48 Julian Calendar 1 Feb. 223 BCE == Greg. Calendar 28 Jan. 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

MARCH 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 18 30	6♓38'40	0♌52	9♒28	29♒44	16♐12	19♐47	21♏52	0°R40	8°R 0	24°R26	19°R24	18♐44	3♏ 5	n.a.	W 1
T 2	10 22 26	7°37'44	13°53	10°41	0♓58	16°51	19°55	21°52	0♌38	7♋59	24♏26	19♐15	18°41	3°12	n.a.	T 2
F 3	10 26 23	8°36'46	26°43	11°56	2°13	17°30	20° 2	21°52	0°36	7°58	24°26	19° 4	18°38	3°18	n.a.	F 3
S 4	10 30 19	9°35'45	9♍21	13°13	3°27	18° 9	20° 9	21°52	0°34	7°58	24°25	18°51	18°34	3°25	n.a.	S 4
S 5	10 34 16	10°34'42	21°47	14°32	4°41	18°49	20°16	21°R52	0°32	7°57	24°25	18°38	18°31	3°32	n.a.	S 5
M 6	10 38 12	11°33'37	4♎ 3	15°53	5°56	19°28	20°23	21°52	0°31	7°57	24°25	18°25	18°28	3°38	n.a.	M 6
T 7	10 42 9	12°32'30	16° 8	17°16	7°10	20° 7	20°30	21°52	0°29	7°56	24°25	18°13	18°25	3°45	n.a.	T 7
W 8	10 46 5	13°31'22	28° 4	18°40	8°24	20°46	20°36	21°52	0°27	7°56	24°25	18° 4	18°22	3°52	n.a.	W 8
T 9	10 50 2	14°30'11	9♏55	20° 6	9°38	21°25	20°43	21°52	0°25	7°55	24°25	17°57	18°19	3°59	n.a.	T 9
F 10	10 53 58	15°28'58	21°43	21°34	10°52	22° 4	20°49	21°51	0°24	7°55	24°24	17°53	18°15	4° 5	n.a.	F 10
S 11	10 57 55	16°27'44	3♐35	23° 3	12° 7	22°43	20°55	21°51	0°22	7°54	24°24	17°52	18°12	4°12	n.a.	S 11
S 12	11 1 52	17°26'28	15°34	24°35	13°21	23°22	21° 1	21°50	0°21	7°54	24°24	17°51	18° 9	4°19	n.a.	S 12
M13	11 5 48	18°25'10	27°46	26° 7	14°35	24° 1	21° 7	21°49	0°19	7°53	24°23	17°51	18° 6	4°25	n.a.	M13
T 14	11 9 45	19°23'50	10♑17	27°42	15°49	24°39	21°13	21°48	0°18	7°53	24°23	17°50	18° 3	4°32	n.a.	T 14
W15	11 13 41	20°22'28	23°10	29°18	17° 3	25°18	21°18	21°48	0°16	7°53	24°22	17°47	18° 0	4°39	n.a.	W15
T 16	11 17 38	21°21'05	6♒31	0♓56	18°17	25°57	21°24	21°47	0°15	7°53	24°22	17°42	17°56	4°45	n.a.	T 16
F 17	11 21 34	22°19'39	20°20	2°35	19°32	26°36	21°29	21°45	0°14	7°52	24°21	17°34	17°53	4°52	n.a.	F 17
S 18	11 25 31	23°18'12	4♓36	4°16	20°46	27°14	21°34	21°44	0°12	7°52	24°21	17°24	17°50	4°59	n.a.	S 18
S 19	11 29 27	24°16'43	19°14	5°59	22° 0	27°53	21°39	21°43	0°11	7°52	24°20	17°12	17°47	5° 5	n.a.	S 19
M20	11 33 24	25°15'12	4♈ 8	7°43	23°14	28°31	21°43	21°42	0°10	7°52	24°20	17° 1	17°44	5°12	n.a.	M20
T 21	11 37 21	26°13'39	19° 7	9°29	24°28	29°10	21°48	21°40	0° 9	7°52	24°19	16°51	17°40	5°19	n.a.	T 21
W22	11 41 17	27°12'04	4♉ 4	11°16	25°42	29°48	21°52	21°38	0° 8	7°52	24°19	16°44	17°37	5°25	n.a.	W22
T 23	11 45 14	28°10'26	18°49	13° 5	26°56	0♑27	21°56	21°37	0° 7	7°D52	24°18	16°39	17°34	5°32	n.a.	T 23
F 24	11 49 10	29° 8'47	3♊17	14°56	28°10	1° 5	22° 0	21°35	0° 6	7°52	24°17	16°37	17°31	5°39	n.a.	F 24
S 25	11 53 7	0♈ 7'05	17°25	16°48	29°24	1°43	22° 4	21°33	0° 5	7°52	24°16	16°D36	17°28	5°45	n.a.	S 25
S 26	11 57 3	1° 5'22	1♋13	18°42	0♈38	2°21	22° 8	21°31	0° 4	7°52	24°16	16°R36	17°25	5°52	n.a.	S 26
M27	12 1 0	2° 3'36	14°42	20°38	1°52	2°59	22°11	21°29	0° 3	7°52	24°15	16°36	17°21	5°59	n.a.	M27
T 28	12 4 56	3° 1'47	27°53	22°35	3° 6	3°37	22°15	21°27	0° 2	7°52	24°14	16°33	17°18	6° 5	n.a.	T 28
W29	12 8 53	3°59'57	10♌49	24°34	4°20	4°15	22°18	21°25	0° 2	7°52	24°13	16°29	17°15	6°12	n.a.	W29
T 30	12 12 50	4°58'05	23°32	26°35	5°34	4°53	22°21	21°23	0° 1	7°53	24°12	16°21	17°12	6°19	n.a.	T 30
F 31	12 16 46	5♈56'10	6♍ 4	28♓37	6♈48	5♑31	22♐24	21♏20	0♌ 0	7♋53	24♏11	16♐11	17♐ 9	6♏26	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	9s11	16n57	3s20	19s36	1s34	13s 2	1s25	23s 5	0s 5	23s 6	0n13	16s33	1n57	20n56	0n42	23n12	0s16	11s 2	8n19	23s18	23s14	16s 8			n.a.
T 2	8 48	12 56	4 6	19 22	1 41	12 35	1 26	23 10	0 7	23 7	0 13	16 33	1 58	20 56	0 42	23 12	0 16	11 1	8 19	23 17	23 14	16 10			n.a.
F 3	8 26	8 24	4 38	19 7	1 47	12 8	1 26	23 15	0 8	23 8	0 13	16 33	1 58	20 56	0 42	23 12	0 16	11 1	8 20	23 16	23 14	16 12			n.a.
S 4	8 4	3 35	4 56	18 51	1 53	11 41	1 26	23 20	0 9	23 8	0 13	16 33	1 58	20 57	0 42	23 13	0 16	11 1	8 20	23 15	23 13	16 14			n.a.
S 5	7 41	1s17	5 0	18 32	1 58	11 14	1 26	23 25	0 10	23 9	0 13	16 33	1 58	20 57	0 42	23 13	0 16	11 1	8 20	23 14	23 13	16 15			n.a.
M 6	7 19	6 2	4 49	18 13	2 3	10 46	1 26	23 30	0 12	23 9	0 13	16 33	1 58	20 58	0 42	23 13	0 16	11 1	8 20	23 13	23 13	16 17			n.a.
T 7	6 56	10 30	4 26	17 51	2 7	10 18	1 25	23 34	0 13	23 10	0 13	16 33	1 58	20 58	0 42	23 13	0 16	11 1	8 20	23 12	23 13	16 19			n.a.
W 8	6 33	14 30	3 51	17 29	2 11	9 50	1 25	23 38	0 15	23 11	0 13	16 33	1 58	20 58	0 42	23 13	0 16	11 0	8 20	23 11	23 12	16 21			n.a.
T 9	6 10	17 54	3 6	17 4	2 14	9 21	1 25	23 42	0 16	23 11	0 12	16 32	1 58	20 59	0 42	23 13	0 16	11 0	8 21	23 10	23 12	16 22			n.a.
F 10	5 47	20 33	2 14	16 38	2 17	8 53	1 25	23 46	0 17	23 12	0 12	16 32	1 59	20 59	0 42	23 13	0 16	11 0	8 21	23 10	23 12	16 24			n.a.
S 11	5 24	22 21	1 15	16 11	2 19	8 24	1 24	23 50	0 19	23 12	0 12	16 32	1 59	20 59	0 42	23 13	0 16	11 0	8 21	23 10	23 11	16 26			n.a.
S 12	5 1	23 8	0 12	15 42	2 21	7 54	1 24	23 53	0 20	23 13	0 12	16 32	1 59	21 0	0 42	23 13	0 16	10 59	8 21	23 10	23 11	16 27			n.a.
M13	4 38	22 50	0n52	15 11	2 22	7 25	1 23	23 57	0 22	23 13	0 12	16 31	1 59	21 0	0 42	23 13	0 16	10 59	8 21	23 10	23 11	16 29			n.a.
T 14	4 15	21 24	1 56	14 39	2 23	6 55	1 23	24 0	0 23	23 14	0 12	16 31	1 59	21 0	0 42	23 13	0 16	10 59	8 21	23 9	23 11	16 31			n.a.
W15	3 51	18 50	2 55	14 5	2 24	6 26	1 22	24 3	0 25	23 14	0 12	16 31	1 59	21 0	0 42	23 13	0 16	10 59	8 22	23 9	23 10	16 33			n.a.
T 16	3 28	15 12	3 47	13 30	2 23	5 56	1 21	24 6	0 26	23 15	0 12	16 30	1 59	21 1	0 42	23 13	0 16	10 58	8 22	23 9	23 10	16 34			n.a.
F 17	3 5	10 39	4 28	12 53	2 23	5 25	1 20	24 8	0 28	23 15	0 12	16 30	2 0	21 1	0 42	23 13	0 16	10 58	8 22	23 8	23 10	16 36			n.a.
S 18	2 41	5 23	4 53	12 15	2 22	4 55	1 20	24 11	0 29	23 15	0 12	16 29	2 0	21 1	0 42	23 13	0 16	10 58	8 22	23 7	23 9	16 38			n.a.
S 19	2 18	0n17	5 0	11 35	2 20	4 25	1 19	24 13	0 31	23 16	0 12	16 29	2 0	21 1	0 41	23 13	0 16	10 58	8 22	23 6	23 9	16 39			n.a.
M20	1 54	6 3	4 48	10 54	2 18	3 54	1 18	24 15	0 33	23 16	0 11	16 28	2 0	21 2	0 41	23 13	0 16	10 57	8 22	23 5	23 9	16 41			n.a.
T 21	1 31	11 30	4 15	10 11	2 15	3 24	1 17	24 17	0 34	23 17	0 11	16 28	2 0	21 2	0 41	23 13	0 16	10 57	8 22	23 4	23 9	16 43			n.a.
W22	1 8	16 14	3 25	9 27	2 11	2 53	1 16	24 19	0 36	23 17	0 11	16 27	2 0	21 2	0 41	23 13	0 16	10 57	8 23	23 3	23 8	16 44			n.a.
T 23	0 44	19 53	2 21	8 41	2 7	2 22	1 15	24 21	0 37	23 17	0 11	16 27	2 0	21 2	0 41	23 13	0 16	10 56	8 23	23 3	23 8	16 46			n.a.
F 24	0 21	22 12	1 10	7 54	2 3	1 51	1 13	24 22	0 39	23 18	0 11	16 26	2 0	21 3	0 41	23 13	0 16	10 56	8 23	23 2	23 8	16 48			n.a.
S 25	0n 3	23 3	0s 4	7 5	1 58	1 20	1 12	24 23	0 41	23 18	0 11	16 26	2 0	21 3	0 41	23 13	0 16	10 56	8 23	23 2	23 7	16 49			n.a.
S 26	0 26	22 26	1 17	6 15	1 53	0 50	1 11	24 25	0 43	23 18	0 11	16 25	2 1	21 3	0 41	23 13	0 16	10 56	8 23	23 2	23 7	16 51			n.a.
M27	0 50	20 32	2 23	5 23	1 47	0 19	1 10	24 26	0 44	23 19	0 11	16 24	2 1	21 3	0 41	23 13	0 16	10 55	8 23	23 2	23 7	16 53			n.a.
T 28	1 13	17 34	3 20	4 30	1 40	0n12	1 8	24 26	0 46	23 19	0 11	16 24	2 1	21 3	0 41	23 13	0 16	10 55	8 23	23 2	23 6	16 54			n.a.
W29	1 36	13 47	4 6	3 36	1 33	0 43	1 7	24 27	0 48	23 19	0 11	16 23	2 1	21 3	0 41	23 13	0 16	10 55	8 23	23 2	23 6	16 56			n.a.
T 30	2 0	9 27	4 39	2 41	1 26	1 15	1 5	24 27	0 50	23 19	0 10	16 22	2 1	21 3	0 41	23 13	0 16	10 54	8 24	23 1	23 6	16 58			n.a.
F 31	2n23	4n48	4s57	1s45	1s18	1n45	1s 4	24s28	0s51	23s20	0n10	16s22	2n 1	21n 3	0n41	23n13	0s16	10s54	8n24	23s 0	23s 6	16s59			n.a.

Julian Day Number = 1640031.5, Delta T = 03h36m56s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'45, Lahiri = - 7°01'45 Julian Calendar 1 March 223 BCE == Greg. Calendar 25 Feb. 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

APRIL 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 20 43	6♈54'14	18♍26	0♈40	8♈ 2	6♉ 9	22♐26	21°R18	29°R59	7♋53	24°R11	15°R59	17♐ 5	6♏32	n.a.	S 1
S 2	12 24 39	7°52'15	0♎39	2°45	9°16	6°47	22°28	21♏15	29♋59	7°53	24♏10	15♐47	17° 2	6°39	n.a.	S 2
M 3	12 28 36	8°50'15	12°43	4°51	10°30	7°24	22°31	21°13	29°59	7°54	24° 9	15°35	16°59	6°46	n.a.	M 3
T 4	12 32 32	9°48'14	24°41	6°58	11°44	8° 2	22°33	21°10	29°58	7°54	24° 8	15°24	16°56	6°52	n.a.	T 4
W 5	12 36 29	10°46'10	6♏33	9° 7	12°58	8°39	22°35	21° 7	29°58	7°54	24° 7	15°16	16°53	6°59	n.a.	W 5
T 6	12 40 25	11°44'05	18°22	11°16	14°11	9°17	22°36	21° 5	29°58	7°55	24° 6	15°10	16°50	7° 6	n.a.	T 6
F 7	12 44 22	12°41'59	0♐10	13°26	15°25	9°54	22°38	21° 2	29°57	7°55	24° 5	15° 7	16°46	7°12	n.a.	F 7
S 8	12 48 18	13°39'51	12° 2	15°36	16°39	10°31	22°39	20°59	29°57	7°56	24° 3	15°D 5	16°43	7°19	n.a.	S 8
S 9	12 52 15	14°37'42	24° 1	17°46	17°53	11° 8	22°40	20°56	29°57	7°56	24° 2	15° 6	16°40	7°26	n.a.	S 9
M10	12 56 12	15°35'31	6♉12	19°56	19° 7	11°45	22°41	20°53	29°57	7°57	24° 1	15° 6	16°37	7°32	n.a.	M10
T 11	13 0 8	16°33'20	18°41	22° 6	20°21	12°22	22°42	20°49	29°D57	7°58	24° 0	15°R 7	16°34	7°39	n.a.	T 11
W12	13 4 5	17°31'06	1♒32	24°14	21°35	12°59	22°42	20°46	29°57	7°58	23°59	15° 6	16°31	7°46	n.a.	W12
T 13	13 8 1	18°28'52	14°49	26°22	22°48	13°36	22°43	20°43	29°57	7°59	23°58	15° 3	16°27	7°52	n.a.	T 13
F 14	13 11 58	19°26'36	28°35	28°29	24° 2	14°12	22°R43	20°39	29°57	8° 0	23°57	14°58	16°24	7°59	n.a.	F 14
S 15	13 15 54	20°24'19	12♓50	0♉34	25°16	14°49	22°43	20°36	29°57	8° 0	23°55	14°51	16°21	8° 6	n.a.	S 15
S 16	13 19 51	21°22'01	27°32	2°38	26°30	15°25	22°42	20°33	29°57	8° 1	23°54	14°43	16°18	8°12	n.a.	S 16
M17	13 23 47	22°19'42	12♈32	4°39	27°43	16° 1	22°42	20°29	29°58	8° 2	23°53	14°35	16°15	8°19	n.a.	M17
T 18	13 27 44	23°17'21	27°44	6°38	28°57	16°37	22°41	20°25	29°58	8° 3	23°52	14°28	16°11	8°26	n.a.	T 18
W19	13 31 41	24°14'59	12♉56	8°35	0♉11	17°13	22°41	20°22	29°58	8° 4	23°50	14°23	16° 8	8°32	n.a.	W19
T 20	13 35 37	25°12'35	27°58	10°29	1°25	17°49	22°40	20°18	29°59	8° 4	23°49	14°20	16° 5	8°39	n.a.	T 20
F 21	13 39 34	26°10'10	12♊42	12°21	2°38	18°25	22°38	20°14	29°59	8° 5	23°48	14°D19	16° 2	8°46	n.a.	F 21
S 22	13 43 30	27° 7'44	27° 4	14° 9	3°52	19° 0	22°37	20°10	29°59	8° 6	23°46	14°19	15°59	8°52	n.a.	S 22
S 23	13 47 27	28° 5'16	11♋ 1	15°55	5° 6	19°36	22°36	20° 6	0♌ 1	8° 7	23°45	14°20	15°56	8°59	n.a.	S 23
M24	13 51 23	29° 2'46	24°34	17°38	6°20	20°11	22°34	20° 3	0° 1	8° 8	23°43	14°R21	15°52	9° 6	n.a.	M24
T 25	13 55 20	0♉ 0'15	7♌45	19°18	7°33	20°46	22°32	19°59	0° 2	8° 9	23°42	14°21	15°49	9°12	n.a.	T 25
W26	13 59 16	0°57'42	20°35	20°55	8°47	21°21	22°30	19°55	0° 3	8°10	23°41	14°19	15°46	9°19	n.a.	W26
T 27	14 3 13	1°55'08	3♍10	22°29	10° 1	21°56	22°27	19°51	0° 3	8°11	23°39	14°15	15°43	9°26	n.a.	T 27
F 28	14 7 10	2°52'32	15°31	24° 0	11°14	22°31	22°25	19°47	0° 4	8°13	23°38	14°10	15°40	9°32	n.a.	F 28
S 29	14 11 6	3°49'56	27°41	25°27	12°28	23° 5	22°22	19°42	0° 5	8°14	23°36	14° 3	15°37	9°39	n.a.	S 29
S 30	14 15 3	4♉47'18	9♎43	26♉52	13♉41	23♉39	22♐20	19♏38	0♌ 6	8♋15	23♏35	13♐56	15♐33	9♏46	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n46	0n 1	5s 2	0s47	1s 9	2n16	1s 2	24s28	0s53	23s20	0n10	16s21	2n 1	21n 4	0n41	23n13	0s16	10s54	8n24	22s59	23s 5	17s 1		n.a.
S 2	3 9	4s43	4 52	0n11	1 0	2 47	1 0	24 28	0 55	23 20	0 10	16 20	2 1	21 4	0 41	23 13	0 16	10 53	8 24	22 57	23 5	17 2		n.a.
M 3	3 33	9 12	4 29	1 10	0 51	3 18	0 59	24 28	0 57	23 20	0 10	16 19	2 1	21 4	0 41	23 13	0 16	10 53	8 24	22 56	23 5	17 4		n.a.
T 4	3 56	13 18	3 55	2 10	0 41	3 49	0 57	24 27	0 59	23 21	0 10	16 19	2 1	21 4	0 41	23 13	0 16	10 53	8 24	22 55	23 4	17 6		n.a.
W 5	4 19	16 51	3 10	3 10	0 32	4 20	0 55	24 27	1 1	23 21	0 10	16 18	2 2	21 4	0 41	23 13	0 16	10 52	8 24	22 54	23 4	17 7		n.a.
T 6	4 42	19 42	2 18	4 11	0 21	4 50	0 53	24 26	1 3	23 21	0 10	16 17	2 2	21 4	0 41	23 13	0 16	10 52	8 24	22 53	23 4	17 9		n.a.
F 7	5 4	21 43	1 19	5 12	0 11	5 21	0 52	24 25	1 5	23 21	0 10	16 16	2 2	21 4	0 41	23 13	0 16	10 52	8 24	22 53	23 3	17 10		n.a.
S 8	5 27	22 46	0 16	6 12	0 0	5 51	0 50	24 25	1 7	23 21	0 10	16 15	2 2	21 4	0 41	23 13	0 16	10 51	8 24	22 53	23 3	17 12		n.a.
S 9	5 50	22 47	0n48	7 13	0n10	6 22	0 48	24 23	1 9	23 22	0 9	16 15	2 2	21 4	0 41	23 13	0 16	10 51	8 25	22 53	23 3	17 14		n.a.
M10	6 12	21 44	1 51	8 12	0 21	6 52	0 46	24 22	1 11	23 22	0 9	16 14	2 2	21 4	0 41	23 13	0 16	10 51	8 25	22 53	23 2	17 15		n.a.
T 11	6 35	19 36	2 50	9 11	0 32	7 22	0 44	24 21	1 13	23 22	0 9	16 13	2 2	21 4	0 41	23 13	0 15	10 50	8 25	22 53	23 2	17 17		n.a.
W12	6 57	16 26	3 43	10 9	0 42	7 52	0 42	24 19	1 15	23 22	0 9	16 12	2 2	21 4	0 41	23 13	0 15	10 50	8 25	22 53	23 2	17 18		n.a.
T 13	7 20	12 21	4 25	11 6	0 52	8 21	0 40	24 18	1 17	23 22	0 9	16 11	2 2	21 4	0 41	23 13	0 15	10 50	8 25	22 52	23 1	17 20		n.a.
F 14	7 42	7 31	4 54	12 2	1 2	8 51	0 38	24 16	1 19	23 22	0 9	16 10	2 2	21 4	0 41	23 13	0 15	10 49	8 25	22 52	23 1	17 22		n.a.
S 15	8 4	2 7	5 6	12 56	1 12	9 20	0 35	24 14	1 21	23 22	0 9	16 9	2 2	21 4	0 41	23 13	0 15	10 49	8 25	22 51	23 1	17 23		n.a.
S 16	8 26	3n34	4 59	13 48	1 21	9 49	0 33	24 12	1 24	23 22	0 9	16 8	2 2	21 4	0 41	23 13	0 15	10 49	8 25	22 50	23 0	17 25		n.a.
M17	8 47	9 10	4 31	14 38	1 30	10 18	0 31	24 10	1 26	23 23	0 9	16 7	2 2	21 4	0 41	23 13	0 15	10 48	8 25	22 49	23 0	17 26		n.a.
T 18	9 9	14 16	3 44	15 26	1 38	10 47	0 29	24 8	1 28	23 23	0 8	16 6	2 2	21 3	0 41	23 13	0 15	10 48	8 25	22 48	23 0	17 28		n.a.
W19	9 31	18 27	2 41	16 12	1 46	11 15	0 27	24 5	1 30	23 23	0 8	16 5	2 2	21 3	0 41	23 13	0 15	10 48	8 25	22 48	22 59	17 29		n.a.
T 20	9 52	21 21	1 27	16 55	1 52	11 43	0 24	24 3	1 33	23 23	0 8	16 4	2 2	21 3	0 41	23 13	0 15	10 47	8 25	22 47	22 59	17 31		n.a.
F 21	10 13	22 44	0 9	17 36	1 59	12 11	0 22	24 0	1 35	23 23	0 8	16 3	2 2	21 3	0 40	23 13	0 15	10 47	8 25	22 47	22 59	17 32		n.a.
S 22	10 34	22 33	1s 8	18 15	2 4	12 39	0 20	23 58	1 37	23 23	0 8	16 2	2 2	21 3	0 40	23 13	0 15	10 46	8 25	22 47	22 58	17 34		n.a.
S 23	10 55	20 57	2 19	18 51	2 9	13 6	0 17	23 55	1 40	23 23	0 8	16 1	2 2	21 3	0 40	23 13	0 15	10 46	8 25	22 47	22 58	17 35		n.a.
M24	11 16	18 11	3 20	19 25	2 13	13 33	0 15	23 52	1 42	23 23	0 8	16 0	2 3	21 3	0 40	23 13	0 15	10 46	8 25	22 47	22 58	17 37		n.a.
T 25	11 36	14 32	4 9	19 57	2 17	14 0	0 13	23 49	1 44	23 23	0 8	15 59	2 3	21 2	0 40	23 13	0 15	10 45	8 25	22 47	22 57	17 38		n.a.
W26	11 57	10 19	4 44	20 26	2 19	14 26	0 10	23 46	1 47	23 23	0 7	15 58	2 3	21 2	0 40	23 13	0 15	10 45	8 25	22 47	22 57	17 40		n.a.
T 27	12 17	5 45	5 4	20 53	2 21	14 52	0 8	23 42	1 49	23 23	0 7	15 56	2 3	21 2	0 40	23 13	0 15	10 45	8 25	22 47	22 57	17 41		n.a.
F 28	12 37	1 2	5 9	21 17	2 22	15 17	0 6	23 39	1 52	23 23	0 7	15 55	2 3	21 2	0 40	23 13	0 15	10 44	8 25	22 46	22 56	17 43		n.a.
S 29	12 57	3s39	5 1	21 39	2 23	15 42	0 3	23 36	1 54	23 23	0 7	15 54	2 3	21 2	0 40	23 13	0 15	10 44	8 25	22 45	22 56	17 44		n.a.
S 30	13n16	8s10	4s39	21n59	2n22	16n 7	0s 1	23s32	1s57	23s23	0n 7	15s53	2n 3	21n 1	0n40	23n13	0s15	10s44	8n25	22s45	22s56	17s46		n.a.

Julian Day Number = 1640062.5, Delta T = 03h36m55s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'41, Lahiri = - 7°01'40 Julian Calendar 1 Apr. 223 BCE == Greg. Calendar 28 March 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

MAY 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 18 59	5♉44'38	21♎39	28♉13	14♉55	24♊14	22°R17	19°R34	0♌ 7	8♋16	23°R33	13°R49	15♐30	9♏52	n.a.	M 1
T 2	14 22 56	6°41'58	3♏31	29°31	16° 9	24°48	22♐13	19♏30	0° 8	8°17	23♏32	13♐43	15°27	9°59	n.a.	T 2
W 3	14 26 52	7°39'17	15°20	0♊45	17°22	25°21	22°10	19°26	0° 9	8°19	23°30	13°38	15°24	10° 6	n.a.	W 3
T 4	14 30 49	8°36'35	27° 9	1°57	18°36	25°55	22° 6	19°21	0°11	8°20	23°29	13°35	15°21	10°12	n.a.	T 4
F 5	14 34 45	9°33'52	9♐ 0	3° 5	19°49	26°28	22° 3	19°17	0°12	8°21	23°27	13°D34	15°17	10°19	n.a.	F 5
S 6	14 38 42	10°31'09	20°56	4° 9	21° 3	27° 2	21°59	19°13	0°13	8°23	23°26	13°34	15°14	10°26	n.a.	S 6
S 7	14 42 39	11°28'25	3♑ 0	5°10	22°16	27°35	21°55	19° 8	0°14	8°24	23°24	13°35	15°11	10°32	n.a.	S 7
M 8	14 46 35	12°25'40	15°15	6° 7	23°30	28° 7	21°51	19° 4	0°16	8°25	23°23	13°37	15° 8	10°39	n.a.	M 8
T 9	14 50 32	13°22'55	27°45	7° 1	24°44	28°40	21°46	19° 0	0°17	8°27	23°21	13°39	15° 5	10°46	n.a.	T 9
W10	14 54 28	14°20'09	10♒35	7°50	25°57	29°12	21°42	18°55	0°19	8°28	23°20	13°R39	15° 2	10°52	n.a.	W10
T 11	14 58 25	15°17'23	23°49	8°36	27°11	29°44	21°37	18°51	0°20	8°30	23°18	13°39	14°58	10°59	n.a.	T 11
F 12	15 2 21	16°14'36	7♓28	9°18	28°24	0♒16	21°32	18°47	0°22	8°31	23°17	13°38	14°55	11° 6	n.a.	F 12
S 13	15 6 18	17°11'49	21°35	9°56	29°38	0°48	21°27	18°42	0°23	8°33	23°15	13°35	14°52	11°12	n.a.	S 13
S 14	15 10 14	18° 9'01	6♈ 6	10°30	0♊51	1°19	21°22	18°38	0°25	8°34	23°13	13°32	14°49	11°19	n.a.	S 14
M15	15 14 11	19° 6'13	20°59	10°59	2° 5	1°50	21°17	18°33	0°27	8°36	23°12	13°29	14°46	11°26	n.a.	M15
T 16	15 18 8	20° 3'25	6♉ 7	11°24	3°18	2°21	21°11	18°29	0°28	8°37	23°10	13°26	14°42	11°33	n.a.	T 16
W17	15 22 4	21° 0'37	21°19	11°45	4°32	2°52	21° 6	18°25	0°30	8°39	23° 9	13°24	14°39	11°39	n.a.	W17
T 18	15 26 1	21°57'48	6♊26	12° 2	5°45	3°22	21° 0	18°20	0°32	8°41	23° 7	13°D23	14°36	11°46	n.a.	T 18
F 19	15 29 57	22°54'58	21°20	12°13	6°59	3°52	20°54	18°16	0°34	8°42	23° 6	13°23	14°33	11°53	n.a.	F 19
S 20	15 33 54	23°52'08	5♋52	12°21	8°12	4°22	20°48	18°12	0°36	8°44	23° 4	13°24	14°30	11°59	n.a.	S 20
S 21	15 37 50	24°49'17	20° 0	12°R23	9°26	4°51	20°42	18° 7	0°38	8°46	23° 2	13°25	14°27	12° 6	n.a.	S 21
M22	15 41 47	25°46'26	3♌42	12°21	10°39	5°20	20°36	18° 3	0°40	8°47	23° 1	13°26	14°23	12°13	n.a.	M22
T 23	15 45 43	26°43'34	16°57	12°15	11°52	5°49	20°29	17°59	0°42	8°49	22°59	13°27	14°20	12°19	n.a.	T 23
W24	15 49 40	27°40'41	29°50	12° 4	13° 6	6°17	20°23	17°54	0°44	8°51	22°58	13°R27	14°17	12°26	n.a.	W24
T 25	15 53 37	28°37'48	12♍23	11°49	14°19	6°45	20°16	17°50	0°46	8°53	22°56	13°27	14°14	12°33	n.a.	T 25
F 26	15 57 33	29°34'55	24°39	11°30	15°33	7°13	20°10	17°46	0°49	8°54	22°55	13°26	14°11	12°39	n.a.	F 26
S 27	16 1 30	0♊32'00	6♎44	11° 8	16°46	7°41	20° 3	17°41	0°51	8°56	22°53	13°24	14° 8	12°46	n.a.	S 27
S 28	16 5 26	1°29'06	18°40	10°42	17°59	8° 8	19°56	17°37	0°53	8°58	22°51	13°22	14° 4	12°53	n.a.	S 28
M29	16 9 23	2°26'11	0♏31	10°12	19°13	8°34	19°49	17°33	0°55	9° 0	22°50	13°21	14° 1	12°59	n.a.	M29
T 30	16 13 19	3°23'16	12°21	9°41	20°26	9° 1	19°42	17°29	0°58	9° 2	22°48	13°19	13°58	13° 6	n.a.	T 30
W31	16 17 16	4♊20'21	24♏10	9♊ 7	21♊39	9♒26	19♐35	17♏25	1♌ 0	9♋ 4	22♏47	13♐18	13♐55	13♏13	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	13n36	12s19	4s 5	22n17	2n21	16n32	0n 2	23s29	1s59	23s23	0n 7	15s52	2n 3	21n 1	0n40	23n13	0s15	10s43	8n25	22s44	22s55	17s47			n.a.
T 2	13 55	15 58	3 21	22 32	2 19	16 56	0 4	23 25	2 2	23 23	0 7	15 51	2 3	21 1	0 40	23 13	0 15	10 43	8 25	22 43	22 55	17 49			n.a.
W 3	14 14	18 59	2 28	22 46	2 16	17 19	0 6	23 21	2 4	23 23	0 7	15 50	2 3	21 1	0 40	23 12	0 15	10 43	8 25	22 42	22 55	17 50			n.a.
T 4	14 32	21 11	1 28	22 57	2 12	17 42	0 9	23 18	2 7	23 23	0 6	15 49	2 3	21 0	0 40	23 12	0 15	10 42	8 25	22 42	22 54	17 52			n.a.
F 5	14 51	22 28	0 25	23 6	2 7	18 5	0 11	23 14	2 10	23 22	0 6	15 47	2 2	21 0	0 40	23 12	0 15	10 42	8 25	22 42	22 54	17 53			n.a.
S 6	15 9	22 44	0n40	23 13	2 2	18 27	0 14	23 10	2 12	23 22	0 6	15 46	2 2	21 0	0 40	23 12	0 15	10 42	8 25	22 42	22 54	17 55			n.a.
S 7	15 27	21 57	1 44	23 19	1 56	18 49	0 16	23 6	2 15	23 22	0 6	15 45	2 2	20 59	0 40	23 12	0 15	10 41	8 25	22 42	22 53	17 56			n.a.
M 8	15 45	20 6	2 45	23 22	1 49	19 10	0 19	23 2	2 18	23 22	0 6	15 44	2 2	20 59	0 40	23 12	0 15	10 41	8 25	22 42	22 53	17 58			n.a.
T 9	16 2	17 17	3 39	23 24	1 41	19 31	0 21	22 58	2 21	23 22	0 6	15 43	2 2	20 59	0 40	23 12	0 15	10 41	8 25	22 42	22 53	17 59			n.a.
W10	16 20	13 34	4 23	23 24	1 33	19 51	0 23	22 54	2 23	23 22	0 6	15 42	2 2	20 58	0 40	23 12	0 15	10 40	8 25	22 42	22 52	18 0			n.a.
T 11	16 37	9 6	4 56	23 22	1 23	20 11	0 26	22 49	2 26	23 22	0 6	15 40	2 2	20 58	0 40	23 12	0 15	10 40	8 25	22 42	22 52	18 2			n.a.
F 12	16 54	4 2	5 12	23 19	1 13	20 30	0 28	22 45	2 29	23 22	0 5	15 39	2 2	20 58	0 40	23 12	0 15	10 40	8 25	22 42	22 51	18 3			n.a.
S 13	17 10	1n23	5 11	23 14	1 2	20 48	0 30	22 41	2 32	23 21	0 5	15 38	2 2	20 57	0 40	23 12	0 15	10 39	8 25	22 42	22 51	18 5			n.a.
S 14	17 26	6 53	4 50	23 7	0 51	21 6	0 33	22 37	2 35	23 21	0 5	15 37	2 2	20 57	0 40	23 12	0 15	10 39	8 25	22 42	22 51	18 6			n.a.
M15	17 42	12 8	4 10	22 59	0 38	21 24	0 35	22 33	2 38	23 21	0 5	15 36	2 2	20 56	0 40	23 12	0 15	10 39	8 25	22 41	22 50	18 8			n.a.
T 16	17 58	16 43	3 11	22 50	0 25	21 40	0 37	22 28	2 41	23 21	0 5	15 35	2 2	20 56	0 40	23 11	0 15	10 38	8 25	22 41	22 50	18 9			n.a.
W17	18 13	20 13	1 59	22 39	0 12	21 57	0 40	22 24	2 44	23 20	0 5	15 34	2 2	20 56	0 40	23 11	0 15	10 38	8 25	22 41	22 50	18 10			n.a.
T 18	18 28	22 16	0 38	22 27	0s 2	22 12	0 42	22 20	2 47	23 20	0 5	15 32	2 2	20 55	0 40	23 11	0 15	10 38	8 24	22 40	22 49	18 12			n.a.
F 19	18 43	22 42	0s44	22 14	0 17	22 27	0 44	22 16	2 50	23 20	0 4	15 31	2 2	20 55	0 40	23 11	0 15	10 38	8 24	22 40	22 49	18 13			n.a.
S 20	18 58	21 34	2 1	22 0	0 33	22 42	0 46	22 11	2 53	23 20	0 4	15 30	2 2	20 54	0 40	23 11	0 15	10 37	8 24	22 41	22 49	18 15			n.a.
S 21	19 12	19 6	3 9	21 45	0 48	22 55	0 48	22 7	2 56	23 19	0 4	15 29	2 2	20 54	0 40	23 11	0 15	10 37	8 24	22 41	22 48	18 16			n.a.
M22	19 26	15 37	4 3	21 29	1 4	23 9	0 51	22 3	2 59	23 19	0 4	15 28	2 2	20 53	0 40	23 11	0 15	10 37	8 24	22 41	22 48	18 17			n.a.
T 23	19 39	11 26	4 43	21 12	1 21	23 21	0 53	21 59	3 2	23 19	0 4	15 27	2 1	20 53	0 40	23 11	0 15	10 36	8 24	22 41	22 47	18 19			n.a.
W24	19 52	6 52	5 8	20 54	1 37	23 33	0 55	21 55	3 5	23 18	0 4	15 26	2 1	20 52	0 40	23 11	0 15	10 36	8 24	22 41	22 47	18 20			n.a.
T 25	20 5	2 8	5 16	20 36	1 53	23 44	0 57	21 51	3 9	23 18	0 3	15 25	2 1	20 52	0 39	23 11	0 15	10 36	8 24	22 41	22 47	18 21			n.a.
F 26	20 18	2s36	5 10	20 17	2 10	23 54	0 59	21 46	3 12	23 18	0 3	15 23	2 1	20 51	0 39	23 11	0 15	10 36	8 24	22 41	22 46	18 23			n.a.
S 27	20 30	7 9	4 51	19 58	2 26	24 4	1 1	21 42	3 15	23 17	0 3	15 22	2 1	20 51	0 39	23 10	0 15	10 35	8 23	22 41	22 46	18 24			n.a.
S 28	20 42	11 22	4 19	19 39	2 41	24 13	1 3	21 38	3 18	23 17	0 3	15 21	2 1	20 50	0 39	23 10	0 15	10 35	8 23	22 40	22 46	18 26			n.a.
M29	20 54	15 9	3 36	19 20	2 56	24 21	1 5	21 34	3 22	23 17	0 3	15 20	2 1	20 50	0 39	23 10	0 15	10 35	8 23	22 40	22 45	18 27			n.a.
T 30	21 5	18 19	2 43	19 1	3 11	24 29	1 7	21 31	3 25	23 16	0 3	15 19	2 1	20 49	0 39	23 10	0 15	10 35	8 23	22 40	22 45	18 28			n.a.
W31	21n16	20s43	1s44	18n43	3s24	24n36	1n 8	21s27	3s29	23s16	0n 3	15s18	2n 1	20n49	0n39	23n10	0s15	10s34	8n23	22s40	22s44	18s30			n.a.

Julian Day Number = 1640092.5, Delta T = 03h36m54s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'37, Lahiri = - 7°01'36 Julian Calendar 1 May 223 BCE == Greg. Calendar 27 Apr. 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

JUNE 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 21 12	5♊17'26	6♐ 3	8°R32	22♊53	9♒52	19°R28	17°R21	1♌ 3	9♋ 6	22°R45	13°R18	13♐52	13♏19	n.a.	T 1
F 2	16 25 9	6°14'31	18° 0	7♊55	24° 6	10°17	19♐20	17♏17	1° 5	9° 7	22♏44	13°D18	13°48	13°26	n.a.	F 2
S 3	16 29 6	7°11'36	0♑ 5	7°19	25°19	10°42	19°13	17°13	1° 8	9° 9	22°42	13♐18	13°45	13°33	n.a.	S 3
S 4	16 33 2	8° 8'41	12°19	6°42	26°33	11° 6	19° 6	17° 9	1°10	9°11	22°41	13°19	13°42	13°39	n.a.	S 4
M 5	16 36 59	9° 5'47	24°45	6° 7	27°46	11°30	18°58	17° 5	1°13	9°13	22°39	13°19	13°39	13°46	n.a.	M 5
T 6	16 40 55	10° 2'53	7♒24	5°33	28°59	11°53	18°51	17° 1	1°15	9°15	22°38	13°20	13°36	13°53	n.a.	T 6
W 7	16 44 52	10°59'59	20°21	5° 1	0♋13	12°16	18°43	16°57	1°18	9°17	22°36	13°20	13°33	13°59	n.a.	W 7
T 8	16 48 48	11°57'06	3♓35	4°32	1°26	12°38	18°36	16°53	1°21	9°19	22°35	13°20	13°29	14° 6	n.a.	T 8
F 9	16 52 45	12°54'13	17°11	4° 6	2°39	13° 0	18°28	16°50	1°24	9°21	22°33	13°20	13°26	14°13	n.a.	F 9
S 10	16 56 42	13°51'20	1♈ 8	3°44	3°52	13°22	18°20	16°46	1°26	9°23	22°32	13°20	13°23	14°19	n.a.	S 10
S 11	17 0 38	14°48'29	15°25	3°26	5° 6	13°43	18°13	16°42	1°29	9°25	22°30	13°20	13°20	14°26	n.a.	S 11
M12	17 4 35	15°45'38	0♉ 2	3°13	6°19	14° 3	18° 5	16°39	1°32	9°28	22°29	13°20	13°17	14°33	n.a.	M12
T 13	17 8 31	16°42'48	14°52	3° 4	7°32	14°23	17°57	16°35	1°35	9°30	22°28	13°20	13°14	14°39	n.a.	T 13
W14	17 12 28	17°39'58	29°50	3°D 0	8°45	14°42	17°49	16°32	1°38	9°32	22°26	13°21	13°10	14°46	n.a.	W14
T 15	17 16 24	18°37'09	14♊47	3° 1	9°59	15° 1	17°42	16°28	1°41	9°34	22°25	13°R21	13° 7	14°52	n.a.	T 15
F 16	17 20 21	19°34'20	29°36	3° 8	11°12	15°19	17°34	16°25	1°44	9°36	22°23	13°21	13° 4	14°59	n.a.	F 16
S 17	17 24 17	20°31'32	14♋ 9	3°21	12°25	15°36	17°26	16°22	1°47	9°38	22°22	13°20	13° 1	15° 6	n.a.	S 17
S 18	17 28 14	21°28'45	28°21	3°38	13°38	15°53	17°19	16°19	1°50	9°40	22°21	13°19	12°58	15°12	n.a.	S 18
M19	17 32 11	22°25'57	12♌ 8	4° 2	14°51	16° 9	17°11	16°15	1°53	9°42	22°19	13°18	12°54	15°19	n.a.	M19
T 20	17 36 7	23°23'10	25°30	4°31	16° 4	16°25	17° 3	16°12	1°56	9°44	22°18	13°17	12°51	15°26	n.a.	T 20
W21	17 40 4	24°20'23	8♍27	5° 5	17°18	16°40	16°56	16° 9	1°59	9°47	22°17	13°16	12°48	15°32	n.a.	W21
T 22	17 44 0	25°17'37	21° 2	5°45	18°31	16°54	16°48	16° 6	2° 2	9°49	22°16	13°D16	12°45	15°39	n.a.	T 22
F 23	17 47 57	26°14'51	3♎19	6°31	19°44	17° 8	16°40	16° 4	2° 6	9°51	22°14	13°16	12°42	15°46	n.a.	F 23
S 24	17 51 53	27°12'06	15°22	7°22	20°57	17°21	16°33	16° 1	2° 9	9°53	22°13	13°17	12°39	15°52	n.a.	S 24
S 25	17 55 50	28° 9'21	27°16	8°19	22°10	17°33	16°26	15°58	2°12	9°55	22°12	13°18	12°35	15°59	n.a.	S 25
M26	17 59 46	29° 6'37	9♏ 6	9°21	23°23	17°45	16°18	15°56	2°15	9°57	22°11	13°19	12°32	16° 6	n.a.	M26
T 27	18 3 43	0♋ 3'53	20°55	10°28	24°36	17°55	16°11	15°53	2°19	10° 0	22°10	13°20	12°29	16°12	n.a.	T 27
W28	18 7 40	1° 1'11	2♐47	11°40	25°49	18° 6	16° 4	15°51	2°22	10° 2	22° 8	13°21	12°26	16°19	n.a.	W28
T 29	18 11 36	1°58'29	14°46	12°57	27° 2	18°15	15°56	15°48	2°25	10° 4	22° 7	13°R22	12°23	16°26	n.a.	T 29
F 30	18 15 33	2♋55'47	26♐53	14♊20	28♋15	18♒24	15♐49	15♏46	2♌29	10♋ 6	22♏ 6	13♐21	12♐20	16♏32	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	21n26	22s14	0s40	18n25	3s37	24n42	1n10	21s23	3s32	23s15	0n 2	15s17	2n 0	20n48	0n39	23n10	0s15	10s34	8n23	22s40	22s44	18s31		n.a.	T 1
F 2	21 36	22 44	0n26	18 8	3 49	24 47	1 12	21 19	3 35	23 15	0 2	15 16	2 0	20 47	0 39	23 10	0 15	10 34	8 22	22 40	22 44	18 32		n.a.	F 2
S 3	21 46	22 11	1 32	17 52	3 59	24 52	1 14	21 16	3 39	23 15	0 2	15 15	2 0	20 47	0 39	23 10	0 14	10 34	8 22	22 40	22 43	18 34		n.a.	S 3
S 4	21 55	20 35	2 34	17 37	4 8	24 56	1 15	21 12	3 42	23 14	0 2	15 14	2 0	20 46	0 39	23 9	0 14	10 34	8 22	22 40	22 43	18 35		n.a.	S 4
M 5	22 4	17 59	3 30	17 23	4 15	24 59	1 17	21 9	3 46	23 14	0 2	15 13	2 0	20 46	0 39	23 9	0 14	10 33	8 22	22 40	22 42	18 36		n.a.	M 5
T 6	22 13	14 29	4 17	17 12	4 21	25 1	1 18	21 5	3 49	23 13	0 2	15 12	2 0	20 45	0 39	23 9	0 14	10 33	8 22	22 40	22 42	18 38		n.a.	T 6
W 7	22 21	10 15	4 53	17 2	4 26	25 3	1 20	21 2	3 53	23 13	0 1	15 11	2 0	20 44	0 39	23 9	0 14	10 33	8 22	22 40	22 42	18 39		n.a.	W 7
T 8	22 29	5 27	5 13	16 54	4 29	25 4	1 21	20 59	3 56	23 12	0 1	15 10	1 59	20 44	0 39	23 9	0 14	10 33	8 21	22 40	22 41	18 40		n.a.	T 8
F 9	22 37	0 16	5 17	16 47	4 30	25 4	1 23	20 56	4 0	23 12	0 1	15 9	1 59	20 43	0 39	23 9	0 14	10 33	8 21	22 40	22 41	18 41		n.a.	F 9
S 10	22 44	5n 4	5 3	16 43	4 30	25 4	1 24	20 53	4 4	23 11	0 1	15 8	1 59	20 43	0 39	23 9	0 14	10 33	8 21	22 40	22 40	18 43		n.a.	S 10
S 11	22 51	10 16	4 29	16 41	4 29	25 2	1 25	20 51	4 7	23 11	0 1	15 8	1 59	20 42	0 39	23 9	0 14	10 32	8 21	22 40	22 40	18 44		n.a.	S 11
M12	22 57	15 1	3 38	16 42	4 26	25 0	1 26	20 48	4 11	23 10	0 1	15 7	1 59	20 41	0 39	23 8	0 14	10 32	8 21	22 40	22 40	18 45		n.a.	M12
T 13	23 3	18 54	2 32	16 44	4 22	24 58	1 27	20 46	4 15	23 10	0 1	15 6	1 59	20 41	0 39	23 8	0 14	10 32	8 20	22 40	22 39	18 47		n.a.	T 13
W14	23 8	21 34	1 14	16 49	4 16	24 54	1 29	20 43	4 18	23 9	0 0	15 5	1 58	20 40	0 39	23 8	0 14	10 32	8 20	22 40	22 39	18 48		n.a.	W14
T 15	23 14	22 43	0s 8	16 56	4 9	24 50	1 30	20 41	4 22	23 8	0 0	15 4	1 58	20 39	0 39	23 8	0 14	10 32	8 20	22 40	22 38	18 49		n.a.	T 15
F 16	23 18	22 14	1 29	17 5	4 2	24 45	1 30	20 39	4 26	23 8	0 0	15 3	1 58	20 38	0 39	23 8	0 14	10 32	8 20	22 40	22 38	18 50		n.a.	F 16
S 17	23 23	20 16	2 43	17 16	3 53	24 39	1 31	20 38	4 30	23 7	0s 0	15 3	1 58	20 38	0 39	23 8	0 14	10 32	8 19	22 40	22 38	18 52		n.a.	S 17
S 18	23 27	17 4	3 45	17 29	3 43	24 32	1 32	20 36	4 33	23 7	0 0	15 2	1 58	20 37	0 39	23 8	0 14	10 31	8 19	22 40	22 37	18 53		n.a.	S 18
M19	23 30	13 1	4 32	17 43	3 33	24 25	1 33	20 35	4 37	23 6	0 0	15 1	1 58	20 36	0 39	23 7	0 14	10 31	8 19	22 40	22 37	18 54		n.a.	M19
T 20	23 33	8 26	5 2	18 0	3 21	24 17	1 34	20 33	4 41	23 6	0 1	15 0	1 57	20 36	0 39	23 7	0 14	10 31	8 19	22 40	22 36	18 55		n.a.	T 20
W21	23 36	3 37	5 16	18 18	3 9	24 9	1 34	20 32	4 45	23 5	0 1	15 0	1 57	20 35	0 39	23 7	0 14	10 31	8 18	22 40	22 36	18 57		n.a.	W21
T 22	23 38	1s12	5 14	18 37	2 57	23 59	1 35	20 32	4 48	23 4	0 1	14 59	1 57	20 34	0 39	23 7	0 14	10 31	8 18	22 40	22 36	18 58		n.a.	T 22
F 23	23 40	5 53	4 58	18 58	2 44	23 49	1 35	20 31	4 52	23 4	0 1	14 59	1 57	20 33	0 39	23 7	0 14	10 31	8 18	22 40	22 35	18 59		n.a.	F 23
S 24	23 41	10 14	4 29	19 19	2 31	23 39	1 36	20 30	4 56	23 3	0 1	14 58	1 57	20 33	0 39	23 7	0 14	10 31	8 18	22 40	22 35	19 0		n.a.	S 24
S 25	23 42	14 10	3 48	19 42	2 17	23 27	1 36	20 30	5 0	23 3	0 1	14 57	1 56	20 32	0 39	23 7	0 14	10 31	8 17	22 40	22 34	19 1		n.a.	S 25
M26	23 43	17 31	2 59	20 5	2 3	23 15	1 36	20 30	5 4	23 2	0 1	14 57	1 56	20 31	0 39	23 6	0 14	10 31	8 17	22 40	22 34	19 3		n.a.	M26
T 27	23 43	20 8	2 1	20 29	1 49	23 2	1 36	20 30	5 7	23 1	0 2	14 56	1 56	20 30	0 39	23 6	0 14	10 31	8 17	22 40	22 34	19 4		n.a.	T 27
W28	23 43	21 55	0 58	20 53	1 35	22 49	1 37	20 30	5 11	23 1	0 2	14 56	1 56	20 30	0 39	23 6	0 14	10 31	8 17	22 40	22 33	19 5		n.a.	W28
T 29	23 42	22 43	0n 8	21 17	1 21	22 35	1 37	20 31	5 15	23 0	0 2	14 55	1 56	20 29	0 39	23 6	0 14	10 31	8 16	22 40	22 33	19 6		n.a.	T 29
F 30	23n41	22s27	1n14	21n41	1s 7	22n20	1n37	20s32	5s19	22s59	0s 2	14s55	1n55	20n28	0n39	23n 6	0s14	10s31	8n16	22s40	22s32	19s 7		n.a.	F 30

Julian Day Number = 1640123.5, Delta T = 03h36m53s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'32, Lahiri = - 7°01'32 Julian Calendar 1 June 223 BCE == Greg. Calendar 28 May 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

JULY 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 19 29	3♋53'07	9♉11	15♊46	29♋28	18♒32	15°R42	15°R44	2♏32	10♋ 9	22°R 5	13°R20	12♐16	16♏39	n.a.	S 1
S 2	18 23 26	4°50'28	21°41	17°18	0♏41	18°39	15♐35	15♏42	2°35	10°11	22♏ 4	13♐17	12°13	16°46	n.a.	S 2
M 3	18 27 22	5°47'50	4♒24	18°53	1°54	18°45	15°29	15°40	2°39	10°13	22° 3	13°14	12°10	16°52	n.a.	M 3
T 4	18 31 19	6°45'13	17°21	20°33	3° 7	18°51	15°22	15°38	2°42	10°15	22° 2	13°10	12° 7	16°59	n.a.	T 4
W 5	18 35 16	7°42'37	0♓32	22°17	4°20	18°56	15°15	15°36	2°46	10°17	22° 1	13° 7	12° 4	17° 6	n.a.	W 5
T 6	18 39 12	8°40'03	13°57	24° 4	5°33	18°59	15° 9	15°34	2°49	10°20	22° 0	13° 4	12° 0	17°12	n.a.	T 6
F 7	18 43 9	9°37'30	27°36	25°54	6°45	19° 3	15° 2	15°32	2°53	10°22	21°59	13° 3	11°57	17°19	n.a.	F 7
S 8	18 47 5	10°34'58	11♈29	27°47	7°58	19° 5	14°56	15°31	2°56	10°24	21°58	13°D 2	11°54	17°26	n.a.	S 8
S 9	18 51 2	11°32'28	25°36	29°42	9°11	19° 7	14°50	15°29	3° 0	10°26	21°57	13° 3	11°51	17°32	n.a.	S 9
M10	18 54 58	12°30'00	9♉55	1♋40	10°24	19°R 7	14°44	15°28	3° 3	10°29	21°57	13° 4	11°48	17°39	n.a.	M10
T 11	18 58 55	13°27'33	24°23	3°39	11°37	19° 7	14°38	15°26	3° 7	10°31	21°56	13° 5	11°45	17°46	n.a.	T 11
W12	19 2 51	14°25'07	8♊58	5°39	12°49	19° 6	14°32	15°25	3°11	10°33	21°55	13°R 6	11°41	17°52	n.a.	W12
T 13	19 6 48	15°22'44	23°34	7°41	14° 2	19° 4	14°26	15°24	3°14	10°35	21°54	13° 6	11°38	17°59	n.a.	T 13
F 14	19 10 45	16°20'21	8♋ 5	9°43	15°15	19° 1	14°21	15°23	3°18	10°37	21°53	13° 4	11°35	18° 6	n.a.	F 14
S 15	19 14 41	17°18'00	22°26	11°45	16°28	18°58	14°15	15°22	3°21	10°40	21°53	13° 1	11°32	18°12	n.a.	S 15
S 16	19 18 38	18°15'41	6♌31	13°48	17°40	18°54	14°10	15°21	3°25	10°42	21°52	12°56	11°29	18°19	n.a.	S 16
M17	19 22 34	19°13'22	20°15	15°50	18°53	18°48	14° 5	15°20	3°29	10°44	21°51	12°50	11°26	18°26	n.a.	M17
T 18	19 26 31	20°11'05	3♍36	17°52	20° 6	18°42	14° 0	15°19	3°32	10°46	21°51	12°44	11°22	18°32	n.a.	T 18
W19	19 30 27	21° 8'49	16°35	19°54	21°18	18°36	13°55	15°19	3°36	10°49	21°50	12°39	11°19	18°39	n.a.	W19
T 20	19 34 24	22° 6'35	29°11	21°54	22°31	18°28	13°51	15°18	3°40	10°51	21°49	12°35	11°16	18°46	n.a.	T 20
F 21	19 38 20	23° 4'21	11♎29	23°54	23°43	18°20	13°46	15°18	3°44	10°53	21°49	12°33	11°13	18°52	n.a.	F 21
S 22	19 42 17	24° 2'09	23°33	25°53	24°56	18°11	13°42	15°18	3°47	10°55	21°48	12°D32	11°10	18°59	n.a.	S 22
S 23	19 46 14	24°59'59	5♏27	27°51	26° 8	18° 1	13°38	15°17	3°51	10°57	21°48	12°33	11° 6	19° 6	n.a.	S 23
M24	19 50 10	25°57'49	17°16	29°47	27°21	17°51	13°34	15°17	3°55	10°59	21°47	12°34	11° 3	19°12	n.a.	M24
T 25	19 54 7	26°55'41	29° 6	1♌42	28°33	17°40	13°30	15°D17	3°58	11° 2	21°47	12°35	11° 0	19°19	n.a.	T 25
W26	19 58 3	27°53'35	11♐ 1	3°36	29°46	17°28	13°27	15°17	4° 2	11° 4	21°47	12°R36	10°57	19°26	n.a.	W26
T 27	20 2 0	28°51'30	23° 6	5°29	0♍58	17°16	13°23	15°17	4° 6	11° 6	21°46	12°36	10°54	19°32	n.a.	T 27
F 28	20 5 56	29°49'26	5♉23	7°21	2°10	17° 3	13°20	15°18	4°10	11° 8	21°46	12°33	10°51	19°39	n.a.	F 28
S 29	20 9 53	0♌47'24	17°56	9°11	3°23	16°50	13°17	15°18	4°13	11°10	21°46	12°28	10°47	19°46	n.a.	S 29
S 30	20 13 49	1°45'24	0♒45	11° 0	4°35	16°36	13°14	15°19	4°17	11°12	21°45	12°22	10°44	19°52	n.a.	S 30
M31	20 17 46	2♌43'26	13♒50	12♌47	5♍47	16♒21	13♐11	15♏19	4♌21	11♋14	21♏45	12♐14	10♐41	19♏59	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n40	21s 7	2n18	22n 5	0s53	22n 4	1n36	20s33	5s22	22s59	0s 2	14s54	1n55	20n27	0n39	23n 6	0s14	10s31	8n16	22s40	22s32	19s 9		n.a.
S 2	23 38	18 44	3 16	22 27	0 39	21 48	1 36	20 34	5 26	22 58	0 2	14 54	1 55	20 26	0 39	23 6	0 14	10 31	8 16	22 40	22 31	19 10		n.a.
M 3	23 36	15 25	4 5	22 49	0 26	21 32	1 36	20 35	5 30	22 58	0 3	14 53	1 55	20 26	0 39	23 5	0 14	10 31	8 15	22 39	22 31	19 11		n.a.
T 4	23 33	11 19	4 43	23 10	0 13	21 15	1 36	20 37	5 33	22 57	0 3	14 53	1 55	20 25	0 39	23 5	0 14	10 31	8 15	22 39	22 31	19 12		n.a.
W 5	23 30	6 38	5 7	23 30	0n 0	20 57	1 35	20 39	5 37	22 57	0 3	14 53	1 54	20 24	0 39	23 5	0 14	10 31	8 15	22 38	22 30	19 13		n.a.
T 6	23 26	1 34	5 14	23 47	0 12	20 38	1 35	20 41	5 41	22 56	0 3	14 52	1 54	20 23	0 39	23 5	0 14	10 31	8 14	22 38	22 30	19 14		n.a.
F 7	23 22	3n41	5 4	24 3	0 24	20 19	1 34	20 43	5 44	22 55	0 3	14 52	1 54	20 22	0 39	23 5	0 14	10 31	8 14	22 38	22 29	19 16		n.a.
S 8	23 18	8 49	4 36	24 17	0 35	20 0	1 34	20 46	5 48	22 55	0 3	14 52	1 54	20 22	0 39	23 5	0 14	10 31	8 14	22 38	22 29	19 17		n.a.
S 9	23 13	13 36	3 52	24 28	0 45	19 40	1 33	20 49	5 51	22 54	0 3	14 52	1 53	20 21	0 39	23 4	0 14	10 31	8 13	22 38	22 28	19 18		n.a.
M10	23 8	17 40	2 52	24 37	0 54	19 19	1 32	20 52	5 54	22 54	0 4	14 51	1 53	20 20	0 39	23 4	0 14	10 31	8 13	22 38	22 28	19 19		n.a.
T 11	23 2	20 43	1 41	24 43	1 3	18 58	1 31	20 55	5 58	22 53	0 4	14 51	1 53	20 19	0 39	23 4	0 14	10 31	8 13	22 38	22 28	19 20		n.a.
W12	22 56	22 26	0 23	24 47	1 11	18 36	1 30	20 58	6 1	22 53	0 4	14 51	1 53	20 18	0 39	23 4	0 14	10 32	8 12	22 38	22 27	19 21		n.a.
T 13	22 49	22 37	0s57	24 48	1 18	18 14	1 29	21 2	6 4	22 52	0 4	14 51	1 53	20 17	0 39	23 4	0 14	10 32	8 12	22 38	22 27	19 22		n.a.
F 14	22 42	21 16	2 12	24 46	1 24	17 51	1 28	21 6	6 7	22 52	0 4	14 51	1 52	20 16	0 39	23 4	0 14	10 32	8 12	22 38	22 26	19 24		n.a.
S 15	22 35	18 34	3 18	24 41	1 30	17 28	1 27	21 10	6 10	22 51	0 4	14 51	1 52	20 16	0 39	23 3	0 14	10 32	8 12	22 38	22 26	19 25		n.a.
S 16	22 28	14 49	4 11	24 34	1 35	17 5	1 26	21 14	6 13	22 51	0 5	14 51	1 52	20 15	0 39	23 3	0 14	10 32	8 11	22 37	22 25	19 26		n.a.
M17	22 19	10 22	4 47	24 24	1 39	16 41	1 25	21 18	6 16	22 50	0 5	14 51	1 52	20 14	0 39	23 3	0 14	10 32	8 11	22 36	22 25	19 27		n.a.
T 18	22 11	5 32	5 7	24 12	1 42	16 16	1 23	21 23	6 19	22 50	0 5	14 51	1 51	20 13	0 39	23 3	0 14	10 32	8 11	22 36	22 25	19 28		n.a.
W19	22 2	0 36	5 10	23 57	1 44	15 51	1 22	21 27	6 21	22 49	0 5	14 51	1 51	20 12	0 39	23 3	0 14	10 33	8 10	22 35	22 24	19 29		n.a.
T 20	21 53	4s13	4 58	23 39	1 46	15 26	1 20	21 32	6 24	22 49	0 5	14 51	1 51	20 11	0 39	23 3	0 14	10 33	8 10	22 34	22 24	19 30		n.a.
F 21	21 43	8 46	4 32	23 20	1 47	15 0	1 19	21 37	6 26	22 48	0 5	14 51	1 51	20 10	0 39	23 2	0 14	10 33	8 10	22 34	22 23	19 31		n.a.
S 22	21 33	12 53	3 55	22 59	1 47	14 34	1 17	21 42	6 28	22 48	0 5	14 51	1 50	20 9	0 39	23 2	0 14	10 33	8 9	22 34	22 23	19 32		n.a.
S 23	21 23	16 26	3 8	22 35	1 47	14 8	1 15	21 47	6 30	22 48	0 5	14 51	1 50	20 9	0 39	23 2	0 14	10 33	8 9	22 34	22 22	19 33		n.a.
M24	21 12	19 19	2 13	22 10	1 46	13 41	1 13	21 52	6 32	22 47	0 6	14 52	1 50	20 8	0 39	23 2	0 14	10 34	8 8	22 34	22 22	19 35		n.a.
T 25	21 1	21 22	1 13	21 43	1 45	13 14	1 11	21 57	6 34	22 47	0 6	14 52	1 50	20 7	0 39	23 2	0 14	10 34	8 8	22 34	22 21	19 36		n.a.
W26	20 50	22 30	0 9	21 14	1 43	12 46	1 9	22 3	6 36	22 47	0 6	14 52	1 50	20 6	0 39	23 2	0 14	10 34	8 8	22 34	22 21	19 37		n.a.
T 27	20 38	22 36	0n57	20 44	1 40	12 18	1 7	22 8	6 37	22 46	0 6	14 52	1 49	20 5	0 39	23 1	0 14	10 34	8 7	22 34	22 21	19 38		n.a.
F 28	20 26	21 37	2 0	20 13	1 37	11 50	1 5	22 13	6 38	22 46	0 6	14 53	1 49	20 4	0 39	23 1	0 14	10 35	8 7	22 34	22 20	19 39		n.a.
S 29	20 13	19 33	2 59	19 41	1 34	11 22	1 3	22 18	6 40	22 46	0 6	14 53	1 49	20 3	0 39	23 1	0 14	10 35	8 7	22 33	22 20	19 40		n.a.
S 30	20 0	16 29	3 50	19 7	1 30	10 53	1 1	22 24	6 41	22 46	0 6	14 53	1 49	20 2	0 39	23 1	0 14	10 35	8 6	22 33	22 19	19 41		n.a.
M31	19n47	12s34	4n30	18n33	1n26	10n24	0n58	22s29	6s41	22s45	0s 7	14s54	1n48	20n 1	0n39	23n 1	0s14	10s35	8n 6	22s32	22s19	19s42		n.a.

Julian Day Number = 1640153.5, Delta T = 03h36m52s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'28, Lahiri = - 7°01'28 Julian Calendar 1 July 223 BCE == Greg. Calendar 27 June 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

AUGUST 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 21 43	3♌41'29	27♒10	14♌34	7♍ 0	16°R 6	13°R 9	15♏20	4♌25	11♋17	21°R45	12°R 5	10♐38	20♏ 5	n.a.	T 1
W 2	20 25 39	4°39'34	10♓44	16°19	8°12	15♒51	13♐ 6	15°21	4°28	11°19	21♏45	11♐57	10°35	20°12	n.a.	W 2
T 3	20 29 36	5°37'41	24°28	18° 3	9°24	15°35	13° 4	15°21	4°32	11°21	21°45	11°49	10°32	20°19	n.a.	T 3
F 4	20 33 32	6°35'50	8♈22	19°45	10°36	15°20	13° 2	15°22	4°36	11°23	21°44	11°44	10°28	20°25	n.a.	F 4
S 5	20 37 29	7°34'01	22°21	21°27	11°48	15° 3	13° 0	15°23	4°40	11°25	21°44	11°41	10°25	20°32	n.a.	S 5
S 6	20 41 25	8°32'14	6♉26	23° 7	13° 0	14°47	12°59	15°24	4°43	11°27	21°44	11°D40	10°22	20°39	n.a.	S 6
M 7	20 45 22	9°30'30	20°34	24°46	14°12	14°30	12°57	15°26	4°47	11°29	21°D44	11°40	10°19	20°45	n.a.	M 7
T 8	20 49 18	10°28'48	4♊45	26°24	15°24	14°13	12°56	15°27	4°51	11°31	21°44	11°R41	10°16	20°52	n.a.	T 8
W 9	20 53 15	11°27'08	18°57	28° 1	16°36	13°56	12°55	15°28	4°55	11°33	21°44	11°41	10°12	20°59	n.a.	W 9
T 10	20 57 12	12°25'30	3♋ 7	29°36	17°48	13°39	12°54	15°30	4°58	11°35	21°44	11°39	10° 9	21° 5	n.a.	T 10
F 11	21 1 8	13°23'55	17°13	1♍11	19° 0	13°22	12°54	15°32	5° 2	11°37	21°44	11°35	10° 6	21°12	n.a.	F 11
S 12	21 5 5	14°22'21	1♌11	2°44	20°12	13° 5	12°53	15°33	5° 6	11°39	21°45	11°28	10° 3	21°19	n.a.	S 12
S 13	21 9 1	15°20'50	14°58	4°16	21°23	12°49	12°53	15°35	5°10	11°41	21°45	11°19	10° 0	21°25	n.a.	S 13
M14	21 12 58	16°19'20	28°29	5°47	22°35	12°32	12°D53	15°37	5°13	11°43	21°45	11° 8	9°57	21°32	n.a.	M14
T 15	21 16 54	17°17'53	11♍41	7°17	23°47	12°16	12°53	15°39	5°17	11°44	21°45	10°57	9°53	21°39	n.a.	T 15
W16	21 20 51	18°16'27	24°34	8°46	24°59	11°59	12°54	15°41	5°21	11°46	21°45	10°46	9°50	21°45	n.a.	W16
T 17	21 24 47	19°15'03	7♎ 8	10°13	26°10	11°43	12°54	15°43	5°24	11°48	21°46	10°37	9°47	21°52	n.a.	T 17
F 18	21 28 44	20°13'41	19°25	11°40	27°22	11°28	12°55	15°45	5°28	11°50	21°46	10°31	9°44	21°59	n.a.	F 18
S 19	21 32 40	21°12'21	1♏27	13° 5	28°33	11°13	12°56	15°48	5°32	11°52	21°46	10°26	9°41	22° 5	n.a.	S 19
S 20	21 36 37	22°11'02	13°21	14°29	29°45	10°58	12°57	15°50	5°35	11°54	21°47	10°25	9°37	22°12	n.a.	S 20
M21	21 40 34	23° 9'46	25° 9	15°52	0♎56	10°44	12°58	15°53	5°39	11°55	21°47	10°D24	9°34	22°19	n.a.	M21
T 22	21 44 30	24° 8'31	6♐59	17°13	2° 8	10°30	13° 0	15°55	5°43	11°57	21°48	10°R25	9°31	22°25	n.a.	T 22
W23	21 48 27	25° 7'18	18°55	18°34	3°19	10°17	13° 1	15°58	5°46	11°59	21°48	10°24	9°28	22°32	n.a.	W23
T 24	21 52 23	26° 6'07	1♑ 3	19°52	4°30	10° 4	13° 3	16° 1	5°50	12° 1	21°49	10°23	9°25	22°39	n.a.	T 24
F 25	21 56 20	27° 4'58	13°27	21°10	5°42	9°52	13° 5	16° 4	5°53	12° 2	21°49	10°19	9°22	22°45	n.a.	F 25
S 26	22 0 16	28° 3'51	26°10	22°26	6°53	9°41	13° 8	16° 7	5°57	12° 4	21°50	10°12	9°18	22°52	n.a.	S 26
S 27	22 4 13	29° 2'45	9♒14	23°41	8° 4	9°30	13°10	16°10	6° 1	12° 6	21°50	10° 3	9°15	22°58	n.a.	S 27
M28	22 8 9	0♍ 1'42	22°40	24°54	9°15	9°20	13°13	16°13	6° 4	12° 7	21°51	9°51	9°12	23° 5	n.a.	M28
T 29	22 12 6	1° 0'41	6♓24	26° 5	10°26	9°11	13°15	16°16	6° 8	12° 9	21°52	9°39	9° 9	23°12	n.a.	T 29
W30	22 16 3	1°59'42	20°25	27°14	11°37	9° 2	13°18	16°19	6°11	12°11	21°53	9°27	9° 6	23°18	n.a.	W30
T 31	22 19 59	2♍58'45	4♈36	28♍22	12♎48	8♒54	13♐22	16♏23	6♌14	12♋12	21♏53	9♐17	9♐ 3	23♏25	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	19n33	7s58	4n56	17n57	1n21	9n55	0n56	22s34	6s42	22s45	0s 7	14s54	1n48	20n 1	0n39	23n 0	0s14	10s36	8n 6	22s30	22s18	19s43			n.a.
W 2	19 19	2 55	5 6	17 21	1 17	9 25	0 54	22 39	6 42	22 45	0 7	14 55	1 48	20 0	0 39	23 0	0 14	10 36	8 5	22 29	22 18	19 44			n.a.
T 3	19 5	2n21	4 59	16 44	1 11	8 56	0 51	22 44	6 43	22 45	0 7	14 55	1 48	19 59	0 39	23 0	0 14	10 36	8 5	22 28	22 17	19 45			n.a.
F 4	18 51	7 32	4 34	16 6	1 6	8 26	0 48	22 49	6 43	22 45	0 7	14 56	1 47	19 58	0 39	23 0	0 14	10 37	8 5	22 28	22 17	19 46			n.a.
S 5	18 36	12 24	3 53	15 28	1 0	7 55	0 46	22 54	6 42	22 45	0 7	14 56	1 47	19 57	0 39	23 0	0 14	10 37	8 4	22 27	22 16	19 47			n.a.
S 6	18 20	16 36	2 57	14 49	0 54	7 25	0 43	22 59	6 42	22 45	0 7	14 57	1 47	19 56	0 39	23 0	0 14	10 37	8 4	22 27	22 16	19 48			n.a.
M 7	18 5	19 53	1 51	14 10	0 48	6 54	0 40	23 3	6 42	22 45	0 7	14 57	1 47	19 55	0 39	22 59	0 14	10 38	8 4	22 27	22 15	19 49			n.a.
T 8	17 49	21 57	0 37	13 31	0 41	6 24	0 38	23 8	6 41	22 45	0 8	14 58	1 46	19 54	0 39	22 59	0 14	10 38	8 3	22 27	22 15	19 50			n.a.
W 9	17 33	22 37	0s39	12 51	0 35	5 53	0 35	23 12	6 40	22 45	0 8	14 58	1 46	19 53	0 39	22 59	0 14	10 38	8 3	22 27	22 15	19 51			n.a.
T 10	17 16	21 49	1 52	12 11	0 28	5 22	0 32	23 16	6 39	22 45	0 8	14 59	1 46	19 52	0 39	22 59	0 14	10 39	8 2	22 27	22 14	19 52			n.a.
F 11	17 0	19 40	2 58	11 30	0 21	4 51	0 29	23 20	6 37	22 45	0 8	15 0	1 46	19 51	0 39	22 59	0 14	10 39	8 2	22 26	22 14	19 53			n.a.
S 12	16 43	16 21	3 52	10 50	0 13	4 19	0 26	23 24	6 36	22 45	0 8	15 1	1 46	19 51	0 39	22 59	0 14	10 39	8 2	22 25	22 13	19 54			n.a.
S 13	16 25	12 12	4 32	10 9	0 6	3 48	0 23	23 27	6 34	22 45	0 8	15 1	1 45	19 50	0 39	22 58	0 14	10 40	8 1	22 24	22 13	19 55			n.a.
M14	16 8	7 31	4 56	9 28	0s 2	3 16	0 19	23 30	6 32	22 45	0 8	15 2	1 45	19 49	0 39	22 58	0 14	10 40	8 1	22 22	22 12	19 56			n.a.
T 15	15 50	2 36	5 3	8 48	0 9	2 45	0 16	23 33	6 30	22 45	0 8	15 3	1 45	19 48	0 39	22 58	0 14	10 41	8 1	22 21	22 12	19 57			n.a.
W16	15 32	2s19	4 54	8 7	0 17	2 13	0 13	23 35	6 28	22 45	0 9	15 4	1 45	19 47	0 39	22 58	0 14	10 41	8 0	22 19	22 11	19 58			n.a.
T 17	15 13	7 1	4 32	7 27	0 25	1 41	0 10	23 38	6 26	22 45	0 9	15 4	1 44	19 46	0 39	22 58	0 14	10 41	8 0	22 18	22 11	19 59			n.a.
F 18	14 55	11 19	3 57	6 46	0 32	1 10	0 6	23 40	6 23	22 46	0 9	15 5	1 44	19 45	0 39	22 58	0 14	10 42	8 0	22 17	22 10	20 0			n.a.
S 19	14 36	15 6	3 12	6 6	0 40	0 38	0 3	23 41	6 20	22 46	0 9	15 6	1 44	19 44	0 39	22 58	0 14	10 42	7 59	22 17	22 10	20 1			n.a.
S 20	14 17	18 14	2 19	5 26	0 48	0 6	0s 0	23 43	6 17	22 46	0 9	15 7	1 44	19 43	0 39	22 57	0 14	10 43	7 59	22 16	22 9	20 1			n.a.
M21	13 57	20 35	1 20	4 47	0 56	0s26	0 4	23 44	6 14	22 46	0 9	15 8	1 43	19 42	0 39	22 57	0 14	10 43	7 58	22 16	22 9	20 2			n.a.
T 22	13 38	22 2	0 18	4 7	1 4	0 58	0 7	23 45	6 11	22 47	0 9	15 9	1 43	19 42	0 39	22 57	0 14	10 44	7 58	22 16	22 8	20 3			n.a.
W23	13 18	22 30	0n45	3 28	1 12	1 30	0 11	23 45	6 8	22 47	0 9	15 10	1 43	19 41	0 39	22 57	0 14	10 44	7 58	22 16	22 8	20 4			n.a.
T 24	12 58	21 56	1 47	2 50	1 20	2 2	0 14	23 46	6 4	22 47	0 9	15 11	1 43	19 40	0 39	22 57	0 14	10 45	7 57	22 16	22 7	20 5			n.a.
F 25	12 38	20 17	2 46	2 12	1 28	2 34	0 18	23 46	6 1	22 48	0 9	15 12	1 43	19 39	0 39	22 57	0 14	10 45	7 57	22 15	22 7	20 6			n.a.
S 26	12 17	17 36	3 37	1 34	1 36	3 5	0 21	23 45	5 57	22 48	0 10	15 13	1 42	19 38	0 39	22 56	0 14	10 46	7 57	22 14	22 6	20 7			n.a.
S 27	11 57	14 0	4 19	0 57	1 44	3 37	0 25	23 45	5 53	22 48	0 10	15 14	1 42	19 37	0 39	22 56	0 14	10 46	7 56	22 13	22 6	20 8			n.a.
M28	11 36	9 36	4 47	0 21	1 52	4 9	0 29	23 44	5 49	22 49	0 10	15 15	1 42	19 36	0 39	22 56	0 14	10 47	7 56	22 11	22 5	20 9			n.a.
T 29	11 15	4 37	5 0	0s15	1 59	4 40	0 32	23 42	5 45	22 49	0 10	15 17	1 42	19 35	0 39	22 56	0 14	10 47	7 56	22 10	22 5	20 10			n.a.
W30	10 53	0n41	4 55	0 50	2 7	5 12	0 36	23 41	5 41	22 50	0 10	15 18	1 42	19 35	0 39	22 56	0 14	10 48	7 55	22 8	22 4	20 11			n.a.
T 31	10n32	6n 0	4n32	1s24	2s14	5s43	0s40	23s39	5s37	22s50	0s10	15s19	1n41	19n34	0n39	22n56	0s14	10s48	7n55	22s 6	22s 4	20s11			n.a.

Julian Day Number = 1640184.5, Delta T = 03h36m51s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'24, Lahiri = - 7°01'24 Julian Calendar 1 Aug. 223 BCE == Greg. Calendar 28 July 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

SEPTEMBER 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 23 56	3♍57'50	18♈52	29♍27	13♎59	8°R47	13♐25	16♏26	6♌18	12♋14	21♏54	9°R 9	8♐59	23♏32	n.a.	F 1
S 2	22 27 52	4°56'58	3♉10	0♎30	15° 9	8♒40	13°29	16°30	6°21	12°15	21°55	9♐ 4	8°56	23°38	n.a.	S 2
S 3	22 31 49	5°56'08	17°24	1°31	16°20	8°35	13°32	16°34	6°25	12°17	21°56	9° 1	8°53	23°45	n.a.	S 3
M 4	22 35 45	6°55'21	1♊34	2°29	17°31	8°30	13°36	16°37	6°28	12°18	21°57	9° 0	8°50	23°52	n.a.	M 4
T 5	22 39 42	7°54'36	15°37	3°25	18°41	8°26	13°40	16°41	6°32	12°20	21°57	9° 0	8°47	23°58	n.a.	T 5
W 6	22 43 38	8°53'54	29°34	4°17	19°52	8°22	13°45	16°45	6°35	12°21	21°58	9° 0	8°43	24° 5	n.a.	W 6
T 7	22 47 35	9°53'14	13♋24	5° 6	21° 2	8°20	13°49	16°49	6°38	12°22	21°59	8°57	8°40	24°12	n.a.	T 7
F 8	22 51 31	10°52'37	27° 5	5°52	22°13	8°18	13°54	16°53	6°41	12°24	22° 0	8°51	8°37	24°18	n.a.	F 8
S 9	22 55 28	11°52'02	10♌38	6°33	23°23	8°17	13°58	16°57	6°45	12°25	22° 1	8°43	8°34	24°25	n.a.	S 9
S 10	22 59 25	12°51'29	24° 1	7°10	24°33	8°D16	14° 3	17° 1	6°48	12°26	22° 2	8°32	8°31	24°32	n.a.	S 10
M11	23 3 21	13°50'58	7♍11	7°42	25°44	8°17	14° 9	17° 6	6°51	12°28	22° 3	8°19	8°28	24°38	n.a.	M11
T 12	23 7 18	14°50'30	20° 7	8° 9	26°54	8°18	14°14	17°10	6°54	12°29	22° 5	8° 5	8°24	24°45	n.a.	T 12
W13	23 11 14	15°50'04	2♎47	8°31	28° 4	8°21	14°19	17°14	6°57	12°30	22° 6	7°53	8°21	24°52	n.a.	W13
T 14	23 15 11	16°49'39	15°13	8°46	29°14	8°24	14°25	17°19	7° 1	12°31	22° 7	7°41	8°18	24°58	n.a.	T 14
F 15	23 19 7	17°49'17	27°24	8°54	0♏24	8°27	14°31	17°23	7° 4	12°32	22° 8	7°33	8°15	25° 5	n.a.	F 15
S 16	23 23 4	18°48'57	9♏24	8°R55	1°33	8°32	14°37	17°28	7° 7	12°34	22° 9	7°27	8°12	25°11	n.a.	S 16
S 17	23 27 0	19°48'38	21°15	8°49	2°43	8°37	14°43	17°33	7°10	12°35	22°11	7°24	8° 9	25°18	n.a.	S 17
M18	23 30 57	20°48'22	3♐ 2	8°34	3°53	8°43	14°49	17°37	7°13	12°36	22°12	7°D23	8° 5	25°25	n.a.	M18
T 19	23 34 54	21°48'07	14°50	8°10	5° 2	8°50	14°56	17°42	7°16	12°37	22°13	7°23	8° 2	25°31	n.a.	T 19
W20	23 38 50	22°47'54	26°45	7°38	6°12	8°58	15° 2	17°47	7°19	12°38	22°15	7°R23	7°59	25°38	n.a.	W20
T 21	23 42 47	23°47'43	8♑51	6°58	7°21	9° 6	15° 9	17°52	7°21	12°39	22°16	7°22	7°56	25°45	n.a.	T 21
F 22	23 46 43	24°47'34	21°16	6° 8	8°30	9°15	15°16	17°57	7°24	12°40	22°17	7°19	7°53	25°51	n.a.	F 22
S 23	23 50 40	25°47'27	4♒ 2	5°11	9°39	9°25	15°23	18° 2	7°27	12°41	22°19	7°14	7°49	25°58	n.a.	S 23
S 24	23 54 36	26°47'21	17°12	4° 6	10°48	9°35	15°30	18° 7	7°30	12°42	22°20	7° 6	7°46	26° 5	n.a.	S 24
M25	23 58 33	27°47'17	0♓49	2°56	11°57	9°46	15°38	18°13	7°33	12°42	22°22	6°56	7°43	26°11	n.a.	M25
T 26	0 2 29	28°47'15	14°51	1°41	13° 6	9°58	15°45	18°18	7°35	12°43	22°23	6°45	7°40	26°18	n.a.	T 26
W27	0 6 26	29°47'15	29°13	0°25	14°15	10°10	15°53	18°23	7°38	12°44	22°25	6°34	7°37	26°25	n.a.	W27
T 28	0 10 22	0♎47'17	13♈50	29♍ 9	15°23	10°23	16° 1	18°29	7°41	12°45	22°26	6°24	7°34	26°31	n.a.	T 28
F 29	0 14 19	1°47'21	28°33	27°55	16°31	10°37	16° 9	18°34	7°43	12°46	22°28	6°17	7°30	26°38	n.a.	F 29
S 30	0 18 16	2♎47'28	13♉15	26♍46	17♏40	10♒51	16♐17	18♏40	7♌46	12♋46	22♏29	6♐12	7♐27	26♏45	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n10	11n 3	3n52	1s57	2s22	6s15	0s44	23s37	5s33	22s51	0s10	15s20	1n41	19n33	0n39	22n56	0s14	10s49	7n55	22s 5	22s 3	20s12		n.a.
S 2	9 48	15 29	2 57	2 28	2 29	6 46	0 47	23 35	5 29	22 51	0 10	15 21	1 41	19 32	0 39	22 55	0 14	10 49	7 54	22 4	22 3	20 13		n.a.
S 3	9 26	19 1	1 52	2 59	2 36	7 17	0 51	23 32	5 24	22 52	0 10	15 23	1 41	19 31	0 39	22 55	0 14	10 50	7 54	22 4	22 2	20 14		n.a.
M 4	9 4	21 21	0 39	3 29	2 42	7 48	0 55	23 29	5 20	22 53	0 11	15 24	1 40	19 30	0 39	22 55	0 13	10 50	7 54	22 4	22 2	20 15		n.a.
T 5	8 42	22 21	0s35	3 57	2 49	8 18	0 59	23 26	5 15	22 53	0 11	15 25	1 40	19 30	0 39	22 55	0 13	10 51	7 53	22 4	22 1	20 16		n.a.
W 6	8 20	21 57	1 46	4 23	2 54	8 49	1 2	23 23	5 11	22 54	0 11	15 26	1 40	19 29	0 39	22 55	0 13	10 51	7 53	22 4	22 1	20 17		n.a.
T 7	7 57	20 12	2 51	4 48	3 0	9 19	1 6	23 19	5 7	22 54	0 11	15 28	1 40	19 28	0 39	22 55	0 13	10 52	7 52	22 3	22 0	20 17		n.a.
F 8	7 34	17 19	3 45	5 11	3 5	9 50	1 10	23 15	5 2	22 55	0 11	15 29	1 40	19 27	0 39	22 55	0 13	10 53	7 52	22 2	22 0	20 18		n.a.
S 9	7 12	13 31	4 26	5 32	3 10	10 20	1 14	23 11	4 58	22 56	0 11	15 31	1 39	19 26	0 39	22 55	0 13	10 53	7 52	22 1	21 59	20 19		n.a.
S 10	6 49	9 6	4 51	5 50	3 14	10 49	1 17	23 7	4 53	22 56	0 11	15 32	1 39	19 25	0 39	22 54	0 13	10 54	7 51	21 59	21 59	20 20		n.a.
M11	6 25	4 20	5 0	6 6	3 17	11 19	1 21	23 2	4 48	22 57	0 11	15 33	1 39	19 25	0 39	22 54	0 13	10 54	7 51	21 57	21 58	20 21		n.a.
T 12	6 2	0s32	4 54	6 20	3 20	11 48	1 25	22 58	4 44	22 58	0 11	15 35	1 39	19 24	0 39	22 54	0 13	10 55	7 51	21 55	21 58	20 22		n.a.
W13	5 39	5 17	4 33	6 30	3 22	12 17	1 29	22 53	4 39	22 59	0 11	15 36	1 39	19 23	0 39	22 54	0 13	10 56	7 50	21 53	21 57	20 22		n.a.
T 14	5 16	9 44	3 59	6 37	3 23	12 46	1 32	22 48	4 35	22 59	0 11	15 38	1 38	19 22	0 39	22 54	0 13	10 56	7 50	21 51	21 57	20 23		n.a.
F 15	4 52	13 42	3 15	6 40	3 23	13 14	1 36	22 42	4 30	23 0	0 12	15 39	1 38	19 22	0 39	22 54	0 13	10 57	7 50	21 50	21 56	20 24		n.a.
S 16	4 29	17 3	2 23	6 39	3 22	13 43	1 40	22 37	4 26	23 1	0 12	15 41	1 38	19 21	0 39	22 54	0 13	10 57	7 49	21 49	21 56	20 25		n.a.
S 17	4 5	19 39	1 25	6 34	3 19	14 10	1 43	22 31	4 21	23 2	0 12	15 42	1 38	19 20	0 39	22 54	0 13	10 58	7 49	21 48	21 55	20 26		n.a.
M18	3 41	21 23	0 23	6 25	3 15	14 38	1 47	22 25	4 17	23 3	0 12	15 44	1 38	19 19	0 40	22 54	0 13	10 59	7 49	21 48	21 55	20 26		n.a.
T 19	3 17	22 12	0n40	6 10	3 10	15 5	1 51	22 19	4 12	23 3	0 12	15 45	1 38	19 19	0 40	22 54	0 13	10 59	7 49	21 48	21 54	20 27		n.a.
W20	2 53	22 0	1 41	5 51	3 2	15 32	1 54	22 12	4 8	23 4	0 12	15 47	1 37	19 18	0 40	22 53	0 13	11 0	7 48	21 48	21 54	20 28		n.a.
T 21	2 30	20 47	2 39	5 26	2 53	15 59	1 58	22 6	4 3	23 5	0 12	15 48	1 37	19 17	0 40	22 53	0 13	11 1	7 48	21 48	21 53	20 29		n.a.
F 22	2 6	18 33	3 31	4 57	2 42	16 25	2 1	21 59	3 59	23 6	0 12	15 50	1 37	19 16	0 40	22 53	0 13	11 1	7 48	21 47	21 53	20 29		n.a.
S 23	1 42	15 22	4 14	4 22	2 29	16 51	2 5	21 52	3 55	23 7	0 12	15 51	1 37	19 16	0 40	22 53	0 13	11 2	7 47	21 46	21 52	20 30		n.a.
S 24	1 17	11 20	4 45	3 42	2 15	17 16	2 8	21 45	3 50	23 8	0 12	15 53	1 37	19 15	0 40	22 53	0 13	11 3	7 47	21 45	21 52	20 31		n.a.
M25	0 53	6 37	5 1	2 59	1 58	17 41	2 12	21 38	3 46	23 9	0 12	15 55	1 36	19 14	0 40	22 53	0 13	11 3	7 47	21 43	21 51	20 32		n.a.
T 26	0 29	1 26	5 0	2 13	1 40	18 6	2 15	21 31	3 42	23 9	0 13	15 56	1 36	19 14	0 40	22 53	0 13	11 4	7 46	21 41	21 51	20 32		n.a.
W27	0 5	3n57	4 40	1 24	1 21	18 30	2 18	21 23	3 38	23 10	0 13	15 58	1 36	19 13	0 40	22 53	0 13	11 5	7 46	21 40	21 50	20 33		n.a.
T 28	0s19	9 13	4 1	0 35	1 1	18 53	2 21	21 16	3 34	23 11	0 13	16 0	1 36	19 12	0 40	22 53	0 13	11 5	7 46	21 38	21 50	20 34		n.a.
F 29	0 43	13 59	3 6	0n14	0 40	19 17	2 25	21 8	3 29	23 12	0 13	16 1	1 36	19 12	0 40	22 53	0 13	11 6	7 45	21 37	21 49	20 35		n.a.
S 30	1s 7	17n54	1n59	1n 0	0s20	19s39	2s28	21s 0	3s25	23s13	0s13	16s 3	1n36	19n11	0n40	22n53	0s13	11s 7	7n45	21s36	21s49	20s35		n.a.

Julian Day Number = 1640215.5, Delta T = 03h36m50s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'20, Lahiri = - 7°01'19 Julian Calendar 1 Sept. 223 BCE == Greg. Calendar 28 Aug. 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

OCTOBER 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 22 12	3♎47'36	27♉51	25°R44	18♏48	11♒ 6	16♐25	18♏45	7♑48	12♋47	22♏31	6°R10	7♐24	26♏51	n.a.	S 1
M 2	0 26 9	4°47'47	12♊15	24♍51	19°56	11°21	16°34	18°51	7°51	12°47	22°33	6°D10	7°21	26°58	n.a.	M 2
T 3	0 30 5	5°48'00	26°25	24° 7	21° 4	11°37	16°42	18°57	7°53	12°48	22°34	6♐11	7°18	27° 4	n.a.	T 3
W 4	0 34 2	6°48'15	10♋19	23°35	22°12	11°54	16°51	19° 2	7°55	12°49	22°36	6°R11	7°14	27°11	n.a.	W 4
T 5	0 37 58	7°48'32	23°59	23°15	23°19	12°11	17° 0	19° 8	7°58	12°49	22°38	6°10	7°11	27°18	n.a.	T 5
F 6	0 41 55	8°48'51	7♌25	23°D 6	24°27	12°29	17° 8	19°14	8° 0	12°50	22°39	6° 6	7° 8	27°24	n.a.	F 6
S 7	0 45 51	9°49'13	20°37	23° 9	25°34	12°47	17°18	19°20	8° 2	12°50	22°41	6° 0	7° 5	27°31	n.a.	S 7
S 8	0 49 48	10°49'36	3♍37	23°22	26°41	13° 5	17°27	19°26	8° 4	12°51	22°43	5°52	7° 2	27°38	n.a.	S 8
M 9	0 53 45	11°50'01	16°26	23°46	27°48	13°25	17°36	19°32	8° 7	12°51	22°45	5°42	6°59	27°44	n.a.	M 9
T 10	0 57 41	12°50'29	29° 2	24°19	28°55	13°44	17°45	19°38	8° 9	12°51	22°47	5°32	6°55	27°51	n.a.	T 10
W11	1 1 38	13°50'58	11♎26	25° 0	0♐ 1	14° 5	17°55	19°44	8°11	12°52	22°48	5°22	6°52	27°58	n.a.	W11
T 12	1 5 34	14°51'29	23°39	25°49	1° 8	14°25	18° 5	19°50	8°13	12°52	22°50	5°13	6°49	28° 4	n.a.	T 12
F 13	1 9 31	15°52'01	5♏42	26°45	2°14	14°46	18°14	19°56	8°15	12°52	22°52	5° 7	6°46	28°11	n.a.	F 13
S 14	1 13 27	16°52'35	17°37	27°47	3°20	15° 8	18°24	20° 3	8°17	12°52	22°54	5° 3	6°43	28°18	n.a.	S 14
S 15	1 17 24	17°53'11	29°25	28°53	4°26	15°30	18°34	20° 9	8°19	12°53	22°56	5°D 1	6°40	28°24	n.a.	S 15
M16	1 21 20	18°53'48	11♐11	0♎ 4	5°32	15°52	18°45	20°15	8°20	12°53	22°58	5° 1	6°36	28°31	n.a.	M16
T 17	1 25 17	19°54'27	22°58	1°19	6°37	16°15	18°55	20°21	8°22	12°53	23° 0	5° 2	6°33	28°38	n.a.	T 17
W18	1 29 14	20°55'07	4♑51	2°37	7°43	16°39	19° 5	20°28	8°24	12°53	23° 2	5° 4	6°30	28°44	n.a.	W18
T 19	1 33 10	21°55'48	16°55	3°58	8°48	17° 2	19°16	20°34	8°26	12°53	23° 4	5°R 5	6°27	28°51	n.a.	T 19
F 20	1 37 7	22°56'31	29°16	5°21	9°52	17°26	19°26	20°41	8°27	12°R53	23° 6	5° 5	6°24	28°57	n.a.	F 20
S 21	1 41 3	23°57'14	11♒58	6°46	10°57	17°51	19°37	20°47	8°29	12°53	23° 8	5° 3	6°20	29° 4	n.a.	S 21
S 22	1 45 0	24°57'59	25° 5	8°13	12° 1	18°16	19°48	20°54	8°30	12°53	23°10	4°59	6°17	29°11	n.a.	S 22
M23	1 48 56	25°58'45	8♓41	9°41	13° 5	18°41	19°59	21° 0	8°32	12°53	23°12	4°54	6°14	29°17	n.a.	M23
T 24	1 52 53	26°59'32	22°45	11°10	14° 9	19° 7	20°10	21° 7	8°33	12°53	23°14	4°49	6°11	29°24	n.a.	T 24
W25	1 56 49	28° 0'21	7♈14	12°40	15°12	19°32	20°21	21°14	8°34	12°53	23°16	4°42	6° 8	29°31	n.a.	W25
T 26	2 0 46	29° 1'10	22° 4	14°11	16°15	19°59	20°32	21°20	8°36	12°52	23°18	4°37	6° 5	29°37	n.a.	T 26
F 27	2 4 42	0♏ 2'01	7♉ 7	15°42	17°18	20°25	20°43	21°27	8°37	12°52	23°20	4°33	6° 1	29°44	n.a.	F 27
S 28	2 8 39	1° 2'53	22°12	17°14	18°20	20°52	20°55	21°34	8°38	12°52	23°22	4°31	5°58	29°51	n.a.	S 28
S 29	2 12 36	2° 3'47	7♊12	18°47	19°22	21°19	21° 6	21°40	8°39	12°52	23°24	4°D30	5°55	29°57	n.a.	S 29
M30	2 16 32	3° 4'42	21°58	20°19	20°24	21°47	21°18	21°47	8°40	12°51	23°26	4°31	5°52	0♐ 4	n.a.	M30
T 31	2 20 29	4♏ 5'39	6♋26	21♎52	21♐26	22♒14	21♐29	21♏54	8♑41	12♋51	23♏29	4♐33	5♐49	0♐11	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	1s32	20n38	0n44	1n44	0n 1	20s 2	2s31	20s52	3s21	23s14	0s13	16s 5	1n35	19n11	0n40	22n53	0s13	11s 7	7n45	21s36	21s48	20s36			n.a.
M 2	1 56	21 59	0s32	2 23	0 20	20 24	2 34	20 44	3 17	23 15	0 13	16 6	1 35	19 10	0 40	22 53	0 13	11 8	7 45	21 36	21 48	20 37			n.a.
T 3	2 20	21 54	1 46	2 57	0 38	20 45	2 37	20 36	3 13	23 16	0 13	16 8	1 35	19 9	0 40	22 53	0 13	11 9	7 44	21 36	21 47	20 38			n.a.
W 4	2 44	20 27	2 52	3 25	0 55	21 6	2 39	20 27	3 9	23 17	0 13	16 10	1 35	19 9	0 40	22 52	0 13	11 9	7 44	21 36	21 47	20 38			n.a.
T 5	3 8	17 50	3 47	3 47	1 11	21 26	2 42	20 19	3 6	23 18	0 13	16 12	1 35	19 8	0 40	22 52	0 13	11 10	7 44	21 35	21 46	20 39			n.a.
F 6	3 32	14 18	4 29	4 3	1 24	21 46	2 45	20 10	3 2	23 19	0 13	16 13	1 35	19 8	0 40	22 52	0 13	11 11	7 44	21 35	21 45	20 40			n.a.
S 7	3 56	10 8	4 55	4 13	1 36	22 5	2 48	20 1	2 58	23 20	0 13	16 15	1 35	19 7	0 40	22 52	0 13	11 11	7 43	21 34	21 45	20 40			n.a.
S 8	4 20	5 33	5 5	4 17	1 46	22 24	2 50	19 52	2 54	23 21	0 14	16 17	1 34	19 7	0 40	22 52	0 13	11 12	7 43	21 32	21 44	20 41			n.a.
M 9	4 44	0 49	5 0	4 15	1 55	22 42	2 53	19 43	2 51	23 22	0 14	16 19	1 34	19 6	0 40	22 52	0 13	11 13	7 43	21 31	21 44	20 42			n.a.
T 10	5 8	3s54	4 41	4 8	2 2	23 0	2 55	19 34	2 47	23 23	0 14	16 20	1 34	19 5	0 40	22 52	0 13	11 13	7 42	21 29	21 43	20 42			n.a.
W11	5 32	8 22	4 8	3 57	2 7	23 17	2 57	19 24	2 43	23 24	0 14	16 22	1 34	19 5	0 40	22 52	0 13	11 14	7 42	21 27	21 43	20 43			n.a.
T 12	5 55	12 27	3 24	3 41	2 11	23 33	2 59	19 15	2 40	23 25	0 14	16 24	1 34	19 4	0 40	22 52	0 13	11 15	7 42	21 25	21 42	20 44			n.a.
F 13	6 19	15 57	2 32	3 21	2 14	23 49	3 1	19 5	2 36	23 26	0 14	16 26	1 34	19 4	0 40	22 52	0 13	11 16	7 42	21 24	21 42	20 44			n.a.
S 14	6 42	18 46	1 33	2 58	2 15	24 4	3 3	18 55	2 33	23 27	0 14	16 28	1 34	19 4	0 40	22 52	0 13	11 16	7 41	21 23	21 41	20 45			n.a.
S 15	7 6	20 45	0 30	2 31	2 16	24 19	3 5	18 45	2 30	23 27	0 14	16 29	1 33	19 3	0 40	22 52	0 13	11 17	7 41	21 23	21 41	20 46			n.a.
M16	7 29	21 50	0n33	2 2	2 15	24 33	3 7	18 35	2 26	23 28	0 14	16 31	1 33	19 3	0 40	22 52	0 13	11 18	7 41	21 23	21 40	20 46			n.a.
T 17	7 52	21 56	1 36	1 31	2 14	24 46	3 9	18 25	2 23	23 29	0 14	16 33	1 33	19 2	0 41	22 52	0 13	11 18	7 41	21 23	21 39	20 47			n.a.
W18	8 15	21 3	2 35	0 58	2 12	24 59	3 10	18 15	2 20	23 30	0 14	16 35	1 33	19 2	0 41	22 52	0 13	11 19	7 41	21 24	21 39	20 48			n.a.
T 19	8 38	19 12	3 28	0 23	2 9	25 11	3 12	18 5	2 17	23 31	0 14	16 37	1 33	19 1	0 41	22 52	0 13	11 20	7 40	21 24	21 38	20 48			n.a.
F 20	9 1	16 26	4 13	0s14	2 6	25 22	3 13	17 54	2 13	23 32	0 15	16 38	1 33	19 1	0 41	22 52	0 13	11 20	7 40	21 24	21 38	20 49			n.a.
S 21	9 24	12 49	4 46	0 51	2 2	25 33	3 14	17 44	2 10	23 33	0 15	16 40	1 33	19 1	0 41	22 52	0 13	11 21	7 40	21 24	21 37	20 49			n.a.
S 22	9 47	8 30	5 7	1 30	1 58	25 43	3 15	17 33	2 7	23 34	0 15	16 42	1 33	19 0	0 41	22 52	0 13	11 22	7 40	21 23	21 37	20 50			n.a.
M23	10 9	3 37	5 10	2 9	1 53	25 53	3 16	17 22	2 4	23 35	0 15	16 44	1 32	19 0	0 41	22 52	0 13	11 23	7 39	21 22	21 36	20 51			n.a.
T 24	10 31	1n37	4 56	2 49	1 48	26 2	3 17	17 11	2 1	23 36	0 15	16 46	1 32	19 0	0 41	22 52	0 13	11 23	7 39	21 21	21 36	20 51			n.a.
W25	10 53	6 55	4 23	3 29	1 43	26 10	3 18	17 0	1 58	23 37	0 15	16 48	1 32	18 59	0 41	22 52	0 13	11 24	7 39	21 20	21 35	20 52			n.a.
T 26	11 15	11 57	3 31	4 10	1 37	26 17	3 18	16 49	1 55	23 38	0 15	16 50	1 32	18 59	0 41	22 52	0 13	11 25	7 39	21 19	21 35	20 52			n.a.
F 27	11 37	16 19	2 24	4 51	1 31	26 24	3 19	16 38	1 52	23 39	0 15	16 51	1 32	18 59	0 41	22 52	0 13	11 25	7 39	21 18	21 34	20 53			n.a.
S 28	11 58	19 37	1 7	5 32	1 25	26 30	3 19	16 26	1 50	23 39	0 15	16 53	1 32	18 58	0 41	22 52	0 13	11 26	7 38	21 18	21 33	20 54			n.a.
S 29	12 20	21 32	0s15	6 14	1 19	26 36	3 19	16 15	1 47	23 40	0 15	16 55	1 32	18 58	0 41	22 52	0 13	11 27	7 38	21 18	21 33	20 54			n.a.
M30	12 41	21 54	1 34	6 55	1 12	26 40	3 19	16 3	1 44	23 41	0 15	16 57	1 32	18 58	0 41	22 52	0 13	11 27	7 38	21 18	21 32	20 55			n.a.
T 31	13s 2	20n48	2s46	7s36	1n 6	26s45	3s19	15s52	1s41	23s42	0s15	16s59	1n32	18n58	0n41	22n52	0s13	11s28	7n38	21s18	21s32	20s55			n.a.

Julian Day Number = 1640245.5, Delta T = 03h36m49s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'16, Lahiri = - 7°01'15 Julian Calendar 1 Oct. 223 BCE == Greg. Calendar 27 Sept. 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

NOVEMBER 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 24 25	5♏ 6'37	20♋31	23♎25	22♐27	22♒42	21♐41	22♏ 1	8♌42	12°R50	23♏31	4♐34	5♐45	0♐17	n.a.	W 1
T 2	2 28 22	6° 7'36	4♌15	24°59	23°27	23°10	21°53	22° 7	8°43	12♋50	23°33	4°R35	5°42	0°24	n.a.	T 2
F 3	2 32 18	7° 8'37	17°37	26°32	24°27	23°39	22° 5	22°14	8°44	12°50	23°35	4°34	5°39	0°30	n.a.	F 3
S 4	2 36 15	8° 9'39	0♍40	28° 5	25°27	24° 8	22°17	22°21	8°45	12°49	23°37	4°33	5°36	0°37	n.a.	S 4
S 5	2 40 12	9°10'43	13°26	29°39	26°27	24°37	22°29	22°28	8°46	12°49	23°39	4°30	5°33	0°44	n.a.	S 5
M 6	2 44 8	10°11'47	25°58	1♏12	27°26	25° 6	22°41	22°35	8°46	12°48	23°42	4°26	5°30	0°50	n.a.	M 6
T 7	2 48 5	11°12'53	8♎17	2°46	28°24	25°36	22°53	22°42	8°47	12°47	23°44	4°22	5°26	0°57	n.a.	T 7
W 8	2 52 1	12°14'00	20°26	4°20	29°22	26° 5	23° 6	22°49	8°48	12°47	23°46	4°18	5°23	1° 4	n.a.	W 8
T 9	2 55 58	13°15'07	2♏27	5°53	0♑20	26°35	23°18	22°56	8°48	12°46	23°48	4°15	5°20	1°10	n.a.	T 9
F 10	2 59 54	14°16'16	14°21	7°27	1°17	27° 6	23°30	23° 3	8°49	12°45	23°51	4°12	5°17	1°17	n.a.	F 10
S 11	3 3 51	15°17'25	26°11	9° 1	2°13	27°36	23°43	23°10	8°49	12°45	23°53	4°11	5°14	1°24	n.a.	S 11
S 12	3 7 47	16°18'36	7♐58	10°35	3° 9	28° 7	23°56	23°17	8°49	12°44	23°55	4°D11	5°11	1°30	n.a.	S 12
M13	3 11 44	17°19'47	19°45	12° 9	4° 4	28°38	24° 8	23°24	8°50	12°43	23°57	4°12	5° 7	1°37	n.a.	M13
T 14	3 15 41	18°20'58	1♑34	13°43	4°59	29° 9	24°21	23°31	8°50	12°42	23°59	4°13	5° 4	1°44	n.a.	T 14
W15	3 19 37	19°22'10	13°29	15°17	5°53	29°40	24°34	23°38	8°50	12°41	24° 2	4°14	5° 1	1°50	n.a.	W15
T 16	3 23 34	20°23'22	25°34	16°51	6°47	0♓12	24°47	23°45	8°50	12°41	24° 4	4°16	4°58	1°57	n.a.	T 16
F 17	3 27 30	21°24'35	7♒53	18°25	7°40	0°43	25° 0	23°52	8°50	12°40	24° 6	4°17	4°55	2° 4	n.a.	F 17
S 18	3 31 27	22°25'48	20°30	20° 0	8°32	1°15	25°13	23°59	8°R50	12°39	24° 8	4°R17	4°51	2°10	n.a.	S 18
S 19	3 35 23	23°27'01	3♓30	21°34	9°23	1°47	25°26	24° 6	8°50	12°38	24°11	4°17	4°48	2°17	n.a.	S 19
M20	3 39 20	24°28'14	16°55	23° 9	10°13	2°19	25°39	24°13	8°50	12°37	24°13	4°16	4°45	2°23	n.a.	M20
T 21	3 43 16	25°29'27	0♈49	24°44	11° 3	2°52	25°52	24°20	8°50	12°36	24°15	4°15	4°42	2°30	n.a.	T 21
W22	3 47 13	26°30'40	15° 9	26°19	11°52	3°24	26° 5	24°27	8°50	12°35	24°17	4°14	4°39	2°37	n.a.	W22
T 23	3 51 10	27°31'54	29°54	27°54	12°40	3°57	26°18	24°34	8°50	12°34	24°20	4°13	4°36	2°43	n.a.	T 23
F 24	3 55 6	28°33'08	14♉58	29°30	13°27	4°30	26°32	24°41	8°49	12°33	24°22	4°13	4°32	2°50	n.a.	F 24
S 25	3 59 3	29°34'22	0♊11	1♐ 5	14°13	5° 3	26°45	24°48	8°49	12°32	24°24	4°D13	4°29	2°57	n.a.	S 25
S 26	4 2 59	0♐35'36	15°26	2°41	14°58	5°36	26°58	24°55	8°49	12°30	24°26	4°13	4°26	3° 3	n.a.	S 26
M27	4 6 56	1°36'50	0♋30	4°17	15°42	6° 9	27°12	25° 2	8°48	12°29	24°29	4°13	4°23	3°10	n.a.	M27
T 28	4 10 52	2°38'05	15°18	5°54	16°25	6°42	27°25	25° 9	8°48	12°28	24°31	4°13	4°20	3°17	n.a.	T 28
W29	4 14 49	3°39'20	29°41	7°31	17° 7	7°16	27°39	25°16	8°47	12°27	24°33	4°13	4°17	3°23	n.a.	W29
T 30	4 18 45	4♐40'35	13♌38	9♐ 8	17♑47	7♓49	27♐53	25♏23	8♌46	12♋26	24♏35	4°R13	4♐13	3♐30	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13 s23	18n24	3 s46	8 s17	0n59	26 s48	3 s18	15 s40	1 s39	23 s43	0 s16	17 s 1	1n32	18n57	0n41	22n52	0 s13	11 s29	7n38	21 s18	21 s31	20 s56		n.a.
T 2	13 43	15 2	4 32	8 58	0 53	26 51	3 18	15 28	1 36	23 44	0 16	17 3	1 31	18 57	0 41	22 52	0 13	11 30	7 38	21 18	21 31	20 56		n.a.
F 3	14 4	10 58	5 1	9 38	0 46	26 53	3 17	15 16	1 34	23 45	0 16	17 4	1 31	18 57	0 41	22 53	0 13	11 30	7 37	21 18	21 30	20 57		n.a.
S 4	14 24	6 29	5 14	10 19	0 39	26 54	3 16	15 4	1 31	23 45	0 16	17 6	1 31	18 57	0 41	22 53	0 13	11 31	7 37	21 18	21 29	20 57		n.a.
S 5	14 43	1 49	5 11	10 58	0 32	26 55	3 15	14 52	1 29	23 46	0 16	17 8	1 31	18 57	0 41	22 53	0 13	11 32	7 37	21 17	21 29	20 58		n.a.
M 6	15 3	2 s51	4 53	11 38	0 26	26 55	3 14	14 39	1 26	23 47	0 16	17 10	1 31	18 57	0 41	22 53	0 13	11 32	7 37	21 17	21 28	20 59		n.a.
T 7	15 22	7 19	4 21	12 17	0 19	26 55	3 12	14 27	1 24	23 48	0 16	17 12	1 31	18 56	0 41	22 53	0 13	11 33	7 37	21 16	21 28	20 59		n.a.
W 8	15 41	11 26	3 39	12 56	0 12	26 54	3 11	14 15	1 21	23 48	0 16	17 14	1 31	18 56	0 41	22 53	0 13	11 34	7 37	21 15	21 27	21 0		n.a.
T 9	16 0	15 4	2 46	13 34	0 5	26 52	3 9	14 2	1 19	23 49	0 16	17 15	1 31	18 56	0 42	22 53	0 13	11 34	7 36	21 15	21 27	21 0		n.a.
F 10	16 19	18 3	1 47	14 11	0 s 2	26 50	3 7	13 49	1 17	23 50	0 16	17 17	1 31	18 56	0 42	22 53	0 13	11 35	7 36	21 14	21 26	21 1		n.a.
S 11	16 37	20 14	0 44	14 48	0 8	26 47	3 5	13 36	1 14	23 50	0 16	17 19	1 31	18 56	0 42	22 53	0 13	11 36	7 36	21 14	21 25	21 1		n.a.
S 12	16 55	21 33	0n21	15 24	0 15	26 43	3 2	13 24	1 12	23 51	0 16	17 21	1 31	18 56	0 42	22 53	0 13	11 36	7 36	21 14	21 25	21 2		n.a.
M13	17 12	21 54	1 25	16 0	0 21	26 39	2 59	13 11	1 10	23 52	0 16	17 23	1 31	18 56	0 42	22 53	0 13	11 37	7 36	21 14	21 24	21 2		n.a.
T 14	17 30	21 17	2 26	16 35	0 28	26 34	2 57	12 58	1 8	23 52	0 17	17 25	1 30	18 56	0 42	22 53	0 13	11 38	7 36	21 14	21 24	21 3		n.a.
W15	17 47	19 42	3 21	17 9	0 34	26 29	2 54	12 45	1 5	23 53	0 17	17 26	1 30	18 56	0 42	22 53	0 13	11 38	7 36	21 14	21 23	21 3		n.a.
T 16	18 3	17 13	4 8	17 43	0 40	26 23	2 50	12 31	1 3	23 54	0 17	17 28	1 30	18 56	0 42	22 53	0 13	11 39	7 36	21 15	21 23	21 4		n.a.
F 17	18 20	13 56	4 45	18 15	0 46	26 16	2 47	12 18	1 1	23 54	0 17	17 30	1 30	18 56	0 42	22 54	0 13	11 40	7 35	21 15	21 22	21 4		n.a.
S 18	18 36	9 57	5 9	18 47	0 52	26 9	2 43	12 5	0 59	23 55	0 17	17 32	1 30	18 56	0 42	22 54	0 13	11 40	7 35	21 15	21 21	21 5		n.a.
S 19	18 51	5 24	5 18	19 18	0 58	26 2	2 39	11 51	0 57	23 55	0 17	17 34	1 30	18 56	0 42	22 54	0 13	11 41	7 35	21 15	21 21	21 5		n.a.
M20	19 7	0 28	5 10	19 48	1 4	25 54	2 35	11 38	0 55	23 56	0 17	17 35	1 30	18 56	0 42	22 54	0 13	11 41	7 35	21 15	21 20	21 6		n.a.
T 21	19 22	4n40	4 44	20 18	1 9	25 45	2 30	11 24	0 53	23 56	0 17	17 37	1 30	18 56	0 42	22 54	0 13	11 42	7 35	21 15	21 20	21 6		n.a.
W22	19 36	9 43	4 1	20 46	1 15	25 36	2 26	11 10	0 51	23 57	0 17	17 39	1 30	18 56	0 42	22 54	0 13	11 43	7 35	21 14	21 19	21 6		n.a.
T 23	19 50	14 22	3 0	21 13	1 20	25 27	2 21	10 56	0 49	23 57	0 17	17 41	1 30	18 56	0 42	22 54	0 13	11 43	7 35	21 14	21 18	21 7		n.a.
F 24	20 4	18 11	1 45	21 39	1 25	25 17	2 15	10 43	0 47	23 58	0 17	17 43	1 30	18 57	0 42	22 54	0 13	11 44	7 35	21 14	21 18	21 7		n.a.
S 25	20 18	20 48	0 22	22 5	1 30	25 6	2 10	10 29	0 46	23 58	0 17	17 44	1 30	18 57	0 42	22 54	0 13	11 44	7 35	21 14	21 17	21 8		n.a.
S 26	20 31	21 53	1 s 2	22 29	1 34	24 55	2 4	10 15	0 44	23 59	0 18	17 46	1 30	18 57	0 42	22 55	0 13	11 45	7 35	21 14	21 17	21 8		n.a.
M27	20 44	21 22	2 21	22 52	1 38	24 44	1 58	10 1	0 42	23 59	0 18	17 48	1 30	18 57	0 42	22 55	0 13	11 46	7 35	21 14	21 16	21 9		n.a.
T 28	20 56	19 22	3 29	23 14	1 43	24 33	1 52	9 46	0 40	23 59	0 18	17 49	1 30	18 57	0 42	22 55	0 13	11 46	7 35	21 14	21 16	21 9		n.a.
W29	21 8	16 11	4 22	23 34	1 46	24 21	1 45	9 32	0 38	24 0	0 18	17 51	1 30	18 57	0 42	22 55	0 13	11 47	7 35	21 14	21 15	21 9		n.a.
T 30	21 s19	12n10	4 s58	23 s53	1 s50	24 s 8	1 s38	9 s18	0 s37	24 s 0	0 s18	17 s53	1n30	18n58	0n42	22n55	0 s13	11 s47	7n34	21 s14	21 s14	21 s10		n.a.

Julian Day Number = 1640276.5, Delta T = 03h36m48s
Ecliptic obliquity = 23°43'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'12, Lahiri = - 7°01'11 Julian Calendar 1 Nov. 223 BCE == Greg. Calendar 28 Oct. 223 BCE

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ASTRODIENST EPHEMERIS for the year 223 BCE
geocentric

DECEMBER 223 BCE (-222) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 22 42	5♐41'51	27♌ 8	10♐45	18♑27	8♓23	28♐ 6	25♏30	8°R46	12°R24	24♏38	4°R13	4♐10	3♐37	n.a.	F 1
S 2	4 26 39	6°43'07	10♍13	12°23	19° 5	8°57	28°20	25°37	8♌45	12♋23	24°40	4°D13	4° 7	3°43	n.a.	S 2
S 3	4 30 35	7°44'23	22°56	14° 1	19°42	9°31	28°34	25°44	8°44	12°22	24°42	4♐13	4° 4	3°50	n.a.	S 3
M 4	4 34 32	8°45'39	5♎20	15°39	20°17	10° 5	28°47	25°50	8°43	12°20	24°44	4°13	4° 1	3°57	n.a.	M 4
T 5	4 38 28	9°46'55	17°30	17°17	20°52	10°39	29° 1	25°57	8°42	12°19	24°46	4°14	3°57	4° 3	n.a.	T 5
W 6	4 42 25	10°48'12	29°29	18°56	21°24	11°14	29°15	26° 4	8°41	12°18	24°49	4°15	3°54	4°10	n.a.	W 6
T 7	4 46 21	11°49'28	11♏21	20°35	21°55	11°48	29°29	26°11	8°40	12°16	24°51	4°16	3°51	4°16	n.a.	T 7
F 8	4 50 18	12°50'44	23° 9	22°14	22°25	12°23	29°43	26°18	8°39	12°15	24°53	4°16	3°48	4°23	n.a.	F 8
S 9	4 54 15	13°52'00	4♐56	23°53	22°53	12°57	29°57	26°25	8°38	12°13	24°55	4°R16	3°45	4°30	n.a.	S 9
S 10	4 58 11	14°53'16	16°44	25°33	23°19	13°32	0♑11	26°32	8°37	12°12	24°57	4°16	3°42	4°36	n.a.	S 10
M11	5 2 8	15°54'31	28°35	27°12	23°43	14° 7	0°25	26°38	8°36	12°10	24°59	4°15	3°38	4°43	n.a.	M11
T 12	5 6 4	16°55'46	10♑31	28°51	24° 6	14°42	0°39	26°45	8°34	12° 9	25° 1	4°14	3°35	4°50	n.a.	T 12
W13	5 10 1	17°57'00	22°35	0♑30	24°26	15°17	0°53	26°52	8°33	12° 8	25° 4	4°11	3°32	4°56	n.a.	W13
T 14	5 13 57	18°58'14	4♒47	2° 8	24°45	15°52	1° 7	26°59	8°32	12° 6	25° 6	4° 9	3°29	5° 3	n.a.	T 14
F 15	5 17 54	19°59'27	17°12	3°46	25° 2	16°27	1°21	27° 5	8°30	12° 4	25° 8	4° 7	3°26	5°10	n.a.	F 15
S 16	5 21 50	21° 0'39	29°52	5°24	25°16	17° 3	1°35	27°12	8°29	12° 3	25°10	4° 5	3°23	5°16	n.a.	S 16
S 17	5 25 47	22° 1'50	12♓49	7° 0	25°28	17°38	1°49	27°18	8°27	12° 1	25°12	4° 4	3°19	5°23	n.a.	S 17
M18	5 29 44	23° 3'00	26° 6	8°35	25°38	18°14	2° 3	27°25	8°26	12° 0	25°14	4°D 4	3°16	5°30	n.a.	M18
T 19	5 33 40	24° 4'09	9♈46	10° 9	25°46	18°49	2°17	27°32	8°24	11°58	25°16	4° 4	3°13	5°36	n.a.	T 19
W20	5 37 37	25° 5'17	23°49	11°40	25°51	19°25	2°32	27°38	8°23	11°57	25°18	4° 6	3°10	5°43	n.a.	W20
T 21	5 41 33	26° 6'24	8♉16	13° 9	25°54	20° 0	2°46	27°45	8°21	11°55	25°20	4° 7	3° 7	5°49	n.a.	T 21
F 22	5 45 30	27° 7'30	23° 3	14°36	25°R54	20°36	3° 0	27°51	8°19	11°53	25°22	4° 8	3° 3	5°56	n.a.	F 22
S 23	5 49 26	28° 8'35	8♊ 5	15°59	25°52	21°12	3°14	27°57	8°17	11°52	25°24	4°R 8	3° 0	6° 3	n.a.	S 23
S 24	5 53 23	29° 9'39	23°14	17°18	25°48	21°48	3°28	28° 4	8°16	11°50	25°26	4° 8	2°57	6° 9	n.a.	S 24
M25	5 57 19	0♑10'42	8♋21	18°32	25°40	22°24	3°43	28°10	8°14	11°48	25°28	4° 5	2°54	6°16	n.a.	M25
T 26	6 1 16	1°11'44	23°16	19°41	25°31	23° 0	3°57	28°16	8°12	11°47	25°30	4° 2	2°51	6°23	n.a.	T 26
W27	6 5 13	2°12'46	7♌52	20°43	25°18	23°36	4°11	28°23	8°10	11°45	25°32	3°57	2°48	6°29	n.a.	W27
T 28	6 9 9	3°13'46	22° 1	21°39	25° 4	24°12	4°25	28°29	8° 8	11°44	25°34	3°53	2°44	6°36	n.a.	T 28
F 29	6 13 6	4°14'45	5♍43	22°27	24°46	24°48	4°39	28°35	8° 6	11°42	25°35	3°49	2°41	6°43	n.a.	F 29
S 30	6 17 2	5°15'44	18°56	23° 6	24°27	25°24	4°54	28°41	8° 4	11°40	25°37	3°47	2°38	6°49	n.a.	S 30
S 31	6 20 59	6♑16'42	1♎43	23♑35	24♑ 5	26♓ 1	5♑ 8	28♏47	8♌ 2	11♋38	25♏39	3°D45	2♐35	6♐56	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21 s31	7n40	5 s16	24 s11	1 s53	23 s56	1 s31	9 s 4	0 s35	24 s 0	0 s18	17 s55	1n30	18n58	0n42	22n55	0 s13	11 s48	7n34	21 s14	21 s14	21 s10		n.a.
S 2	21 41	2 57	5 17	24 28	1 56	23 43	1 23	8 49	0 33	24 1	0 18	17 56	1 30	18 58	0 42	22 55	0 13	11 49	7 34	21 14	21 13	21 11		n.a.
S 3	21 51	1 s46	5 2	24 43	1 59	23 30	1 15	8 35	0 32	24 1	0 18	17 58	1 30	18 58	0 43	22 55	0 13	11 49	7 34	21 14	21 13	21 11		n.a.
M 4	22 1	6 18	4 33	24 56	2 1	23 16	1 7	8 20	0 30	24 1	0 18	18 0	1 30	18 59	0 43	22 56	0 13	11 50	7 34	21 14	21 12	21 11		n.a.
T 5	22 11	10 31	3 52	25 9	2 3	23 3	0 59	8 6	0 28	24 1	0 18	18 1	1 30	18 59	0 43	22 56	0 13	11 50	7 34	21 14	21 11	21 12		n.a.
W 6	22 20	14 15	3 2	25 19	2 4	22 49	0 50	7 51	0 27	24 2	0 18	18 3	1 30	18 59	0 43	22 56	0 13	11 51	7 34	21 15	21 11	21 12		n.a.
T 7	22 28	17 23	2 4	25 28	2 5	22 35	0 40	7 36	0 25	24 2	0 19	18 5	1 30	18 59	0 43	22 56	0 13	11 51	7 34	21 15	21 10	21 13		n.a.
F 8	22 36	19 46	1 1	25 35	2 6	22 20	0 31	7 22	0 24	24 2	0 19	18 6	1 29	19 0	0 43	22 56	0 13	11 52	7 34	21 15	21 10	21 13		n.a.
S 9	22 44	21 19	0n 4	25 41	2 6	22 6	0 21	7 7	0 22	24 2	0 19	18 8	1 29	19 0	0 43	22 56	0 13	11 52	7 34	21 15	21 9	21 13		n.a.
S 10	22 51	21 55	1 9	25 45	2 6	21 52	0 11	6 52	0 21	24 2	0 19	18 9	1 29	19 0	0 43	22 56	0 13	11 53	7 34	21 15	21 8	21 14		n.a.
M11	22 58	21 32	2 11	25 47	2 5	21 37	0 0	6 37	0 19	24 2	0 19	18 11	1 29	19 1	0 43	22 56	0 13	11 53	7 34	21 15	21 8	21 14		n.a.
T 12	23 4	20 11	3 8	25 47	2 4	21 22	0n11	6 22	0 18	24 2	0 19	18 13	1 29	19 1	0 43	22 57	0 13	11 54	7 34	21 14	21 7	21 14		n.a.
W13	23 10	17 54	3 57	25 45	2 2	21 8	0 22	6 7	0 16	24 2	0 19	18 14	1 29	19 2	0 43	22 57	0 13	11 54	7 34	21 14	21 6	21 15		n.a.
T 14	23 15	14 49	4 36	25 42	1 59	20 53	0 33	5 52	0 15	24 2	0 19	18 16	1 29	19 2	0 43	22 57	0 13	11 55	7 34	21 14	21 6	21 15		n.a.
F 15	23 20	11 3	5 3	25 36	1 56	20 38	0 45	5 37	0 14	24 2	0 19	18 17	1 29	19 2	0 43	22 57	0 13	11 55	7 34	21 13	21 5	21 15		n.a.
S 16	23 25	6 44	5 16	25 29	1 52	20 23	0 58	5 22	0 12	24 2	0 19	18 19	1 29	19 3	0 43	22 57	0 13	11 56	7 34	21 13	21 5	21 16		n.a.
S 17	23 29	2 1	5 13	25 20	1 48	20 9	1 10	5 6	0 11	24 2	0 19	18 20	1 29	19 3	0 43	22 57	0 13	11 56	7 34	21 13	21 4	21 16		n.a.
M18	23 32	2n55	4 53	25 8	1 42	19 54	1 23	4 51	0 10	24 2	0 20	18 22	1 29	19 4	0 43	22 58	0 13	11 57	7 34	21 13	21 3	21 16		n.a.
T 19	23 35	7 51	4 17	24 56	1 36	19 40	1 36	4 36	0 8	24 2	0 20	18 23	1 29	19 4	0 43	22 58	0 13	11 57	7 34	21 13	21 3	21 17		n.a.
W20	23 38	12 31	3 25	24 41	1 29	19 26	1 50	4 21	0 7	24 2	0 20	18 25	1 29	19 5	0 43	22 58	0 13	11 58	7 34	21 13	21 2	21 17		n.a.
T 21	23 40	16 36	2 18	24 25	1 21	19 12	2 4	4 5	0 6	24 1	0 20	18 26	1 29	19 5	0 43	22 58	0 13	11 58	7 34	21 13	21 2	21 17		n.a.
F 22	23 41	19 44	1 1	24 7	1 12	18 58	2 18	3 50	0 4	24 1	0 20	18 28	1 29	19 6	0 43	22 58	0 13	11 59	7 34	21 13	21 1	21 18		n.a.
S 23	23 42	21 33	0 s22	23 47	1 3	18 44	2 32	3 35	0 3	24 1	0 20	18 29	1 29	19 6	0 43	22 58	0 13	11 59	7 34	21 13	21 0	21 18		n.a.
S 24	23 43	21 50	1 43	23 27	0 52	18 31	2 46	3 19	0 2	24 1	0 20	18 31	1 29	19 7	0 43	22 58	0 13	11 59	7 34	21 13	21 0	21 18		n.a.
M25	23 43	20 30	2 57	23 5	0 40	18 17	3 1	3 4	0 1	24 0	0 20	18 32	1 29	19 7	0 43	22 59	0 13	12 0	7 34	21 13	20 59	21 19		n.a.
T 26	23 43	17 46	3 58	22 43	0 27	18 5	3 16	2 48	0n 0	24 0	0 20	18 33	1 29	19 8	0 43	22 59	0 13	12 0	7 34	21 12	20 58	21 19		n.a.
W27	23 42	13 59	4 42	22 20	0 14	17 52	3 31	2 33	0 2	24 0	0 20	18 35	1 29	19 8	0 43	22 59	0 13	12 1	7 34	21 11	20 58	21 19		n.a.
T 28	23 41	9 29	5 7	21 56	0n 1	17 40	3 46	2 17	0 3	23 59	0 21	18 36	1 30	19 9	0 43	22 59	0 13	12 1	7 34	21 10	20 57	21 19		n.a.
F 29	23 39	4 40	5 14	21 33	0 16	17 28	4 1	2 2	0 4	23 59	0 21	18 37	1 30	19 9	0 43	22 59	0 13	12 1	7 35	21 10	20 57	21 20		n.a.
S 30	23 37	0 s13	5 3	21 11	0 33	17 17	4 16	1 46	0 5	23 59	0 21	18 39	1 30	19 10	0 43	22 59	0 13	12 2	7 35	21 9	20 56	21 20		n.a.
S 31	23 s34	4 s55	4 s37	20 s49	0n50	17 s 6	4n31	1 s31	0n 6	23 s58	0 s21	18 s40	1n30	19n10	0n44	23n 0	0 s13	12 s 2	7n35	21 s 9	20 s55	21 s20		n.a.

Julian Day Number = 1640306.5, Delta T = 03h36m47s
Ecliptic obliquity = 23°43'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'07, Lahiri = - 7°01'07 Julian Calendar 1 Dec. 223 BCE == Greg. Calendar 27 Nov. 223 BCE

The year -222 astronomical counting style corresponds to year 223 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

JANUARY 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 24 55	7♑17'39	14♎ 9	23♑55	23°R40	26♓37	5♑22	28♏53	8°R 0	11°R37	25♏41	3♐46	2♐32	7♐ 3	n.a.	M 1
T 2	6 28 52	8°18'35	26°17	24°R 4	23♑14	27°13	5°36	28°59	7♌58	11♋35	25°43	3°47	2°29	7° 9	n.a.	T 2
W 3	6 32 49	9°19'30	8♏13	24° 1	22°46	27°50	5°51	29° 5	7°55	11°33	25°45	3°49	2°25	7°16	n.a.	W 3
T 4	6 36 45	10°20'24	20° 1	23°48	22°16	28°26	6° 5	29°11	7°53	11°32	25°46	3°50	2°22	7°23	n.a.	T 4
F 5	6 40 42	11°21'17	1♐47	23°24	21°44	29° 3	6°19	29°17	7°51	11°30	25°48	3°R51	2°19	7°29	n.a.	F 5
S 6	6 44 38	12°22'08	13°34	22°49	21°10	29°39	6°33	29°23	7°49	11°28	25°50	3°51	2°16	7°36	n.a.	S 6
S 7	6 48 35	13°22'59	25°25	22° 4	20°36	0♈16	6°47	29°28	7°46	11°27	25°51	3°48	2°13	7°42	n.a.	S 7
M 8	6 52 31	14°23'48	7♑23	21°11	20° 0	0°53	7° 2	29°34	7°44	11°25	25°53	3°44	2° 9	7°49	n.a.	M 8
T 9	6 56 28	15°24'36	19°30	20°10	19°24	1°29	7°16	29°40	7°42	11°23	25°55	3°37	2° 6	7°56	n.a.	T 9
W10	7 0 24	16°25'23	1♒47	19° 5	18°47	2° 6	7°30	29°45	7°39	11°22	25°56	3°30	2° 3	8° 2	n.a.	W10
T 11	7 4 21	17°26'08	14°15	17°56	18° 9	2°43	7°44	29°51	7°37	11°20	25°58	3°21	2° 0	8° 9	n.a.	T 11
F 12	7 8 18	18°26'51	26°55	16°45	17°32	3°20	7°58	29°56	7°35	11°18	25°59	3°13	1°57	8°16	n.a.	F 12
S 13	7 12 14	19°27'32	9♓47	15°35	16°55	3°56	8°12	0♐ 1	7°32	11°17	26° 1	3° 6	1°54	8°22	n.a.	S 13
S 14	7 16 11	20°28'12	22°52	14°27	16°18	4°33	8°27	0° 7	7°30	11°15	26° 2	3° 0	1°50	8°29	n.a.	S 14
M15	7 20 7	21°28'49	6♈12	13°23	15°42	5°10	8°41	0°12	7°27	11°13	26° 4	2°57	1°47	8°36	n.a.	M15
T 16	7 24 4	22°29'25	19°47	12°23	15° 7	5°47	8°55	0°17	7°25	11°12	26° 5	2°D56	1°44	8°42	n.a.	T 16
W17	7 28 0	23°29'59	3♉38	11°30	14°33	6°24	9° 9	0°22	7°22	11°10	26° 7	2°56	1°41	8°49	n.a.	W17
T 18	7 31 57	24°30'31	17°47	10°44	14° 0	7° 1	9°23	0°27	7°20	11° 8	26° 8	2°57	1°38	8°56	n.a.	T 18
F 19	7 35 53	25°31'01	2♊12	10° 5	13°29	7°38	9°37	0°32	7°17	11° 7	26°10	2°R58	1°35	9° 2	n.a.	F 19
S 20	7 39 50	26°31'29	16°50	9°33	13° 0	8°15	9°51	0°37	7°15	11° 5	26°11	2°57	1°31	9° 9	n.a.	S 20
S 21	7 43 47	27°31'56	1♋38	9°10	12°33	8°52	10° 5	0°42	7°12	11° 3	26°12	2°54	1°28	9°16	n.a.	S 21
M22	7 47 43	28°32'20	16°28	8°53	12° 7	9°29	10°19	0°47	7°10	11° 2	26°13	2°48	1°25	9°22	n.a.	M22
T 23	7 51 40	29°32'42	1♌12	8°44	11°44	10° 6	10°32	0°52	7° 7	11° 0	26°15	2°41	1°22	9°29	n.a.	T 23
W24	7 55 36	0♒33'03	15°43	8°D42	11°23	10°44	10°46	0°56	7° 4	10°59	26°16	2°31	1°19	9°35	n.a.	W24
T 25	7 59 33	1°33'22	29°53	8°47	11° 5	11°21	11° 0	1° 1	7° 2	10°57	26°17	2°21	1°15	9°42	n.a.	T 25
F 26	8 3 29	2°33'39	13♍38	8°58	10°49	11°58	11°14	1° 5	6°59	10°56	26°18	2°12	1°12	9°49	n.a.	F 26
S 27	8 7 26	3°33'54	26°57	9°15	10°35	12°35	11°28	1°10	6°57	10°54	26°19	2° 5	1° 9	9°55	n.a.	S 27
S 28	8 11 22	4°34'08	9♎50	9°38	10°24	13°12	11°41	1°14	6°54	10°52	26°21	1°59	1° 6	10° 2	n.a.	S 28
M29	8 15 19	5°34'20	22°19	10° 6	10°16	13°50	11°55	1°18	6°51	10°51	26°22	1°56	1° 3	10° 9	n.a.	M29
T 30	8 19 16	6°34'30	4♏30	10°38	10°10	14°27	12° 9	1°23	6°49	10°49	26°23	1°D55	1° 0	10°15	n.a.	T 30
W31	8 23 12	7♒34'39	16♏27	11♑15	10♑ 6	15♈ 4	12♑22	1♐27	6♌46	10♋48	26♏24	1♐55	0♐56	10♐22	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23s31	9s19	3s59	20s28	1n 7	16s56	4n46	1s15	0n 7	23s58	0s21	18s41	1n30	19n11	0n44	23n 0	0s13	12s 2	7n35	21s 9	20s55	21s20			n.a.
T 2	23 27	13 13	3 11	20 9	1 25	16 46	5 0	1 0	0 8	23 57	0 21	18 43	1 30	19 12	0 44	23 0	0 13	12 3	7 35	21 9	20 54	21 21			n.a.
W 3	23 23	16 33	2 16	19 52	1 43	16 36	5 15	0 44	0 9	23 57	0 21	18 44	1 30	19 12	0 44	23 0	0 13	12 3	7 35	21 10	20 53	21 21			n.a.
T 4	23 19	19 9	1 15	19 36	2 1	16 27	5 29	0 28	0 10	23 56	0 21	18 45	1 30	19 13	0 44	23 0	0 13	12 3	7 35	21 10	20 53	21 21			n.a.
F 5	23 14	20 57	0 11	19 23	2 19	16 19	5 42	0 13	0 11	23 55	0 21	18 46	1 30	19 13	0 44	23 0	0 13	12 4	7 35	21 10	20 52	21 21			n.a.
S 6	23 8	21 49	0n53	19 13	2 36	16 11	5 55	0n 3	0 12	23 55	0 22	18 48	1 30	19 14	0 44	23 1	0 13	12 4	7 35	21 10	20 51	21 22			n.a.
S 7	23 2	21 44	1 55	19 4	2 51	16 3	6 8	0 19	0 13	23 54	0 22	18 49	1 30	19 15	0 44	23 1	0 13	12 4	7 35	21 10	20 51	21 22			n.a.
M 8	22 56	20 39	2 52	18 59	3 5	15 57	6 20	0 34	0 14	23 54	0 22	18 50	1 30	19 15	0 44	23 1	0 13	12 5	7 35	21 9	20 50	21 22			n.a.
T 9	22 49	18 37	3 42	18 56	3 18	15 51	6 31	0 50	0 15	23 53	0 22	18 51	1 30	19 16	0 44	23 1	0 13	12 5	7 35	21 7	20 50	21 22			n.a.
W10	22 42	15 43	4 23	18 55	3 28	15 45	6 42	1 6	0 16	23 52	0 22	18 52	1 30	19 17	0 44	23 1	0 13	12 5	7 35	21 6	20 49	21 23			n.a.
T 11	22 34	12 6	4 52	18 56	3 36	15 40	6 52	1 21	0 17	23 52	0 22	18 53	1 30	19 17	0 44	23 1	0 13	12 6	7 36	21 4	20 48	21 23			n.a.
F 12	22 26	7 53	5 7	18 59	3 42	15 36	7 1	1 37	0 18	23 51	0 22	18 55	1 30	19 18	0 44	23 1	0 13	12 6	7 36	21 3	20 48	21 23			n.a.
S 13	22 17	3 16	5 6	19 4	3 46	15 32	7 9	1 52	0 19	23 50	0 22	18 56	1 30	19 18	0 44	23 2	0 13	12 6	7 36	21 1	20 47	21 23			n.a.
S 14	22 8	1n34	4 50	19 10	3 47	15 29	7 17	2 8	0 20	23 49	0 22	18 57	1 30	19 19	0 44	23 2	0 13	12 6	7 36	21 0	20 46	21 23			n.a.
M15	21 59	6 26	4 18	19 18	3 46	15 27	7 23	2 24	0 21	23 48	0 23	18 58	1 30	19 20	0 44	23 2	0 13	12 7	7 36	21 0	20 46	21 23			n.a.
T 16	21 49	11 5	3 31	19 27	3 43	15 25	7 29	2 39	0 22	23 48	0 23	18 59	1 30	19 20	0 44	23 2	0 13	12 7	7 36	20 59	20 45	21 24			n.a.
W17	21 39	15 15	2 31	19 36	3 37	15 24	7 34	2 55	0 23	23 47	0 23	19 0	1 30	19 21	0 44	23 2	0 12	12 7	7 36	20 59	20 44	21 24			n.a.
T 18	21 28	18 38	1 21	19 47	3 31	15 24	7 37	3 10	0 23	23 46	0 23	19 1	1 30	19 22	0 44	23 2	0 12	12 7	7 36	21 0	20 44	21 24			n.a.
F 19	21 17	20 55	0 4	19 58	3 23	15 24	7 40	3 26	0 24	23 45	0 23	19 2	1 30	19 22	0 44	23 3	0 12	12 7	7 36	21 0	20 43	21 24			n.a.
S 20	21 6	21 50	1s14	20 9	3 14	15 24	7 43	3 42	0 25	23 44	0 23	19 3	1 30	19 23	0 44	23 3	0 12	12 8	7 36	21 0	20 42	21 24			n.a.
S 21	20 54	21 15	2 28	20 21	3 3	15 25	7 44	3 57	0 26	23 43	0 23	19 4	1 30	19 24	0 44	23 3	0 12	12 8	7 37	20 59	20 42	21 24			n.a.
M22	20 42	19 12	3 32	20 33	2 52	15 27	7 44	4 13	0 27	23 42	0 23	19 5	1 31	19 24	0 44	23 3	0 12	12 8	7 37	20 58	20 41	21 25			n.a.
T 23	20 29	15 53	4 21	20 45	2 41	15 29	7 44	4 28	0 27	23 41	0 23	19 6	1 31	19 25	0 44	23 3	0 12	12 8	7 37	20 56	20 41	21 25			n.a.
W24	20 16	11 40	4 52	20 57	2 29	15 32	7 43	4 44	0 28	23 40	0 24	19 7	1 31	19 26	0 44	23 3	0 12	12 8	7 37	20 55	20 40	21 25			n.a.
T 25	20 3	6 54	5 5	21 9	2 17	15 35	7 41	4 59	0 29	23 39	0 24	19 7	1 31	19 26	0 44	23 3	0 12	12 8	7 37	20 53	20 39	21 25			n.a.
F 26	19 49	1 55	4 59	21 20	2 5	15 39	7 39	5 14	0 30	23 38	0 24	19 8	1 31	19 27	0 44	23 4	0 12	12 9	7 37	20 51	20 39	21 25			n.a.
S 27	19 35	3s 0	4 37	21 32	1 52	15 43	7 36	5 30	0 31	23 37	0 24	19 9	1 31	19 28	0 44	23 4	0 12	12 9	7 37	20 49	20 38	21 25			n.a.
S 28	19 21	7 38	4 2	21 42	1 40	15 47	7 33	5 45	0 31	23 36	0 24	19 10	1 31	19 29	0 44	23 4	0 12	12 9	7 37	20 48	20 37	21 25			n.a.
M29	19 6	11 48	3 15	21 53	1 28	15 52	7 28	6 0	0 32	23 35	0 24	19 11	1 31	19 29	0 44	23 4	0 12	12 9	7 38	20 48	20 37	21 26			n.a.
T 30	18 51	15 23	2 21	22 2	1 15	15 57	7 24	6 16	0 33	23 34	0 24	19 12	1 31	19 30	0 44	23 4	0 12	12 9	7 38	20 47	20 36	21 26			n.a.
W31	18s35	18s15	1s22	22s11	1n 4	16s 2	7n19	6n31	0n33	23s33	0s24	19s12	1n31	19n31	0n44	23n 4	0s12	12s 9	7n38	20s47	20s35	21s26			n.a.

Julian Day Number = 1640337.5, Delta T = 03h36m46s
Ecliptic obliquity = 23°43'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°08'03, Lahiri = - 7°01'03 Julian Calendar 1 Jan. 222 BCE == Greg. Calendar 28 Dec. 223 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

FEBRUARY 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 27 9	8♒34'46	28♏16	11♑56	10°D 5	15♈41	12♑36	1♐31	6°R43	10°R46	26♏25	1°R56	0♐53	10♐29	n.a.	T 1
F 2	8 31 5	9°34'51	10♐ 2	12°41	10♑ 6	16°19	12°49	1°35	6♌41	10♋45	26°26	1♐56	0°50	10°35	n.a.	F 2
S 3	8 35 2	10°34'55	21°51	13°30	10°10	16°56	13° 3	1°39	6°38	10°44	26°27	1°54	0°47	10°42	n.a.	S 3
S 4	8 38 58	11°34'57	3♑47	14°22	10°16	17°33	13°16	1°42	6°36	10°42	26°28	1°49	0°44	10°49	n.a.	S 4
M 5	8 42 55	12°34'57	15°53	15°17	10°24	18°11	13°29	1°46	6°33	10°41	26°28	1°42	0°41	10°55	n.a.	M 5
T 6	8 46 51	13°34'55	28°11	16°15	10°35	18°48	13°43	1°50	6°30	10°39	26°29	1°32	0°37	11° 2	n.a.	T 6
W 7	8 50 48	14°34'51	10♒44	17°15	10°48	19°25	13°56	1°53	6°28	10°38	26°30	1°20	0°34	11° 9	n.a.	W 7
T 8	8 54 45	15°34'45	23°31	18°18	11° 2	20° 3	14° 9	1°57	6°25	10°37	26°31	1° 7	0°31	11°15	n.a.	T 8
F 9	8 58 41	16°34'37	6♓31	19°24	11°19	20°40	14°22	2° 0	6°23	10°35	26°32	0°54	0°28	11°22	n.a.	F 9
S 10	9 2 38	17°34'27	19°45	20°32	11°38	21°18	14°36	2° 4	6°20	10°34	26°32	0°43	0°25	11°28	n.a.	S 10
S 11	9 6 34	18°34'14	3♈ 9	21°42	11°58	21°55	14°49	2° 7	6°17	10°33	26°33	0°34	0°21	11°35	n.a.	S 11
M12	9 10 31	19°33'59	16°43	22°54	12°21	22°33	15° 2	2°10	6°15	10°32	26°34	0°27	0°18	11°42	n.a.	M12
T 13	9 14 27	20°33'42	0♉27	24° 8	12°45	23°10	15°14	2°13	6°12	10°30	26°34	0°24	0°15	11°48	n.a.	T 13
W14	9 18 24	21°33'23	14°19	25°23	13°11	23°48	15°27	2°16	6°10	10°29	26°35	0°23	0°12	11°55	n.a.	W14
T 15	9 22 20	22°33'01	28°20	26°41	13°38	24°25	15°40	2°19	6° 7	10°28	26°35	0°23	0° 9	12° 2	n.a.	T 15
F 16	9 26 17	23°32'37	12♊30	28° 0	14° 7	25° 3	15°53	2°22	6° 5	10°27	26°36	0°22	0° 6	12° 8	n.a.	F 16
S 17	9 30 13	24°32'10	26°47	29°21	14°38	25°40	16° 6	2°24	6° 2	10°26	26°36	0°21	0° 2	12°15	n.a.	S 17
S 18	9 34 10	25°31'41	11♋ 9	0♒44	15°10	26°17	16°18	2°27	6° 0	10°25	26°37	0°16	29♏59	12°22	n.a.	S 18
M19	9 38 7	26°31'09	25°32	2° 8	15°43	26°55	16°31	2°29	5°58	10°24	26°37	0° 9	29°56	12°28	n.a.	M19
T 20	9 42 3	27°30'35	9♌52	3°33	16°18	27°32	16°43	2°32	5°55	10°23	26°38	29♏59	29°53	12°35	n.a.	T 20
W21	9 46 0	28°29'59	24° 2	5° 0	16°54	28°10	16°56	2°34	5°53	10°22	26°38	29°48	29°50	12°42	n.a.	W21
T 22	9 49 56	29°29'21	7♍58	6°29	17°31	28°47	17° 8	2°36	5°51	10°21	26°38	29°35	29°46	12°48	n.a.	T 22
F 23	9 53 53	0♓28'40	21°33	7°59	18°10	29°25	17°20	2°39	5°48	10°20	26°39	29°23	29°43	12°55	n.a.	F 23
S 24	9 57 49	1°27'58	4♎47	9°30	18°50	0♉ 3	17°32	2°41	5°46	10°19	26°39	29°13	29°40	13° 2	n.a.	S 24
S 25	10 1 46	2°27'13	17°38	11° 3	19°30	0°40	17°45	2°43	5°44	10°18	26°39	29° 5	29°37	13° 8	n.a.	S 25
M26	10 5 42	3°26'27	0♏ 8	12°38	20°12	1°18	17°57	2°44	5°41	10°17	26°39	29° 0	29°34	13°15	n.a.	M26
T 27	10 9 39	4°25'39	12°21	14°13	20°55	1°55	18° 9	2°46	5°39	10°16	26°39	28°57	29°31	13°21	n.a.	T 27
W28	10 13 36	5♓24'48	24♏20	15♒50	21♑39	2♉33	18♑20	2♐48	5♌37	10♋15	26♏40	28♏57	29♏27	13♐28	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s20	20s20	0s20	22s19	0n52	16s 8	7n13	6n46	0n34	23s31	0s25	19s13	1n31	19n31	0n44	23n 4	0s12	12s 9	7n38	20s47	20s35	21s26		n.a.
F 2	18 4	21 30	0n43	22 26	0 40	16 13	7 8	7 1	0 35	23 30	0 25	19 14	1 31	19 32	0 44	23 5	0 12	12 9	7 38	20 47	20 34	21 26		n.a.
S 3	17 47	21 44	1 44	22 33	0 29	16 19	7 2	7 16	0 35	23 29	0 25	19 15	1 31	19 33	0 44	23 5	0 12	12 9	7 38	20 47	20 33	21 26		n.a.
S 4	17 31	20 59	2 41	22 38	0 18	16 25	6 55	7 32	0 36	23 28	0 25	19 15	1 31	19 33	0 44	23 5	0 12	12 9	7 38	20 46	20 33	21 26		n.a.
M 5	17 14	19 16	3 31	22 42	0 8	16 31	6 48	7 47	0 37	23 27	0 25	19 16	1 32	19 34	0 44	23 5	0 12	12 10	7 39	20 45	20 32	21 26		n.a.
T 6	16 57	16 39	4 13	22 46	0s 3	16 37	6 41	8 2	0 37	23 25	0 25	19 17	1 32	19 35	0 44	23 5	0 12	12 10	7 39	20 43	20 31	21 26		n.a.
W 7	16 39	13 13	4 42	22 48	0 13	16 44	6 34	8 16	0 38	23 24	0 25	19 17	1 32	19 35	0 44	23 5	0 12	12 10	7 39	20 40	20 31	21 26		n.a.
T 8	16 21	9 9	4 59	22 49	0 22	16 50	6 27	8 31	0 39	23 23	0 26	19 18	1 32	19 36	0 44	23 5	0 12	12 10	7 39	20 37	20 30	21 26		n.a.
F 9	16 3	4 35	5 0	22 49	0 31	16 56	6 19	8 46	0 39	23 22	0 26	19 18	1 32	19 37	0 44	23 5	0 12	12 10	7 39	20 35	20 29	21 26		n.a.
S 10	15 45	0n15	4 45	22 48	0 40	17 2	6 12	9 1	0 40	23 20	0 26	19 19	1 32	19 37	0 44	23 6	0 12	12 10	7 39	20 32	20 29	21 27		n.a.
S 11	15 26	5 9	4 14	22 45	0 49	17 8	6 4	9 16	0 41	23 19	0 26	19 20	1 32	19 38	0 44	23 6	0 12	12 10	7 39	20 30	20 28	21 27		n.a.
M12	15 7	9 51	3 29	22 41	0 57	17 14	5 56	9 30	0 41	23 18	0 26	19 20	1 32	19 38	0 44	23 6	0 12	12 10	7 40	20 29	20 27	21 27		n.a.
T 13	14 48	14 7	2 31	22 36	1 5	17 20	5 48	9 45	0 42	23 16	0 26	19 21	1 32	19 39	0 44	23 6	0 12	12 10	7 40	20 28	20 27	21 27		n.a.
W14	14 29	17 39	1 24	22 30	1 12	17 26	5 39	10 0	0 42	23 15	0 26	19 21	1 32	19 40	0 44	23 6	0 12	12 10	7 40	20 28	20 26	21 27		n.a.
T 15	14 10	20 12	0 11	22 22	1 19	17 31	5 31	10 14	0 43	23 14	0 27	19 22	1 32	19 40	0 44	23 6	0 12	12 10	7 40	20 28	20 25	21 27		n.a.
F 16	13 50	21 30	1s 4	22 13	1 26	17 37	5 23	10 29	0 43	23 12	0 27	19 22	1 32	19 41	0 44	23 6	0 12	12 10	7 40	20 28	20 25	21 27		n.a.
S 17	13 30	21 26	2 15	22 2	1 32	17 42	5 15	10 43	0 44	23 11	0 27	19 23	1 33	19 42	0 44	23 6	0 12	12 10	7 40	20 28	20 24	21 27		n.a.
S 18	13 10	19 58	3 18	21 50	1 38	17 46	5 6	10 57	0 45	23 10	0 27	19 23	1 33	19 42	0 44	23 6	0 12	12 9	7 41	20 27	20 23	21 27		n.a.
M19	12 49	17 13	4 8	21 36	1 44	17 51	4 58	11 12	0 45	23 8	0 27	19 23	1 33	19 43	0 44	23 7	0 12	12 9	7 41	20 25	20 22	21 27		n.a.
T 20	12 29	13 27	4 42	21 21	1 49	17 55	4 50	11 26	0 46	23 7	0 27	19 24	1 33	19 43	0 44	23 7	0 12	12 9	7 41	20 23	20 22	21 27		n.a.
W21	12 8	8 58	4 59	21 4	1 53	17 59	4 41	11 40	0 46	23 5	0 27	19 24	1 33	19 44	0 44	23 7	0 12	12 9	7 41	20 21	20 21	21 27		n.a.
T 22	11 47	4 5	4 57	20 46	1 57	18 3	4 33	11 54	0 47	23 4	0 28	19 24	1 33	19 45	0 44	23 7	0 12	12 9	7 41	20 18	20 20	21 27		n.a.
F 23	11 26	0s52	4 39	20 26	2 1	18 6	4 25	12 8	0 47	23 2	0 28	19 25	1 33	19 45	0 44	23 7	0 12	12 9	7 41	20 15	20 20	21 27		n.a.
S 24	11 5	5 40	4 5	20 5	2 5	18 9	4 16	12 22	0 48	23 1	0 28	19 25	1 33	19 46	0 44	23 7	0 12	12 9	7 41	20 13	20 19	21 27		n.a.
S 25	10 43	10 5	3 20	19 42	2 7	18 12	4 8	12 35	0 48	23 0	0 28	19 25	1 33	19 46	0 44	23 7	0 12	12 9	7 42	20 11	20 18	21 27		n.a.
M26	10 22	13 56	2 26	19 17	2 10	18 14	4 0	12 49	0 49	22 58	0 28	19 26	1 33	19 47	0 44	23 7	0 12	12 9	7 42	20 10	20 18	21 27		n.a.
T 27	10 0	17 6	1 27	18 51	2 12	18 15	3 52	13 3	0 49	22 57	0 28	19 26	1 33	19 47	0 44	23 7	0 12	12 9	7 42	20 10	20 17	21 27		n.a.
W28	9s38	19s28	0s24	18s24	2s13	18s17	3n43	13n16	0n50	22s55	0s29	19s26	1n34	19n48	0n44	23n 7	0s12	12s 9	7n42	20s 9	20s16	21s27		n.a.

Julian Day Number = 1640368.5, Delta T = 03h36m45s
Ecliptic obliquity = 23°43'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'59, Lahiri = - 7°00'59 Julian Calendar 1 Feb. 222 BCE == Greg. Calendar 28 Jan. 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

MARCH 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 17 32	6♓23'56	6♐10	17♒29	22♑24	3♉10	18♑32	2♐49	5°R35	10°R14	26♏40	28°R57	29♏24	13♐35	n.a.	T 1
F 2	10 21 29	7°23'02	17°58	19° 9	23°10	3°48	18°44	2°51	5♌33	10♋14	26°40	28♏56	29°21	13°41	n.a.	F 2
S 3	10 25 25	8°22'07	29°49	20°50	23°56	4°25	18°56	2°52	5°31	10°13	26°R40	28°54	29°18	13°48	n.a.	S 3
S 4	10 29 22	9°21'09	11♑48	22°33	24°44	5° 3	19° 7	2°54	5°29	10°12	26°40	28°51	29°15	13°55	n.a.	S 4
M 5	10 33 18	10°20'09	23°59	24°17	25°32	5°40	19°19	2°55	5°27	10°11	26°40	28°44	29°12	14° 1	n.a.	M 5
T 6	10 37 15	11°19'08	6♒26	26° 3	26°21	6°18	19°30	2°56	5°25	10°11	26°40	28°35	29° 8	14° 8	n.a.	T 6
W 7	10 41 11	12°18'04	19°12	27°50	27°10	6°55	19°41	2°57	5°23	10°10	26°40	28°24	29° 5	14°15	n.a.	W 7
T 8	10 45 8	13°16'58	2♓15	29°38	28° 1	7°33	19°52	2°58	5°21	10°10	26°39	28°11	29° 2	14°21	n.a.	T 8
F 9	10 49 4	14°15'51	15°37	1♓28	28°52	8°10	20° 3	2°59	5°19	10° 9	26°39	27°59	28°59	14°28	n.a.	F 9
S 10	10 53 1	15°14'41	29°14	3°20	29°44	8°48	20°14	2°59	5°17	10° 8	26°39	27°48	28°56	14°35	n.a.	S 10
S 11	10 56 58	16°13'29	13♈ 3	5°12	0♒36	9°26	20°25	3° 0	5°15	10° 8	26°39	27°39	28°52	14°41	n.a.	S 11
M12	11 0 54	17°12'15	27° 1	7° 7	1°29	10° 3	20°36	3° 0	5°14	10° 8	26°39	27°33	28°49	14°48	n.a.	M12
T 13	11 4 51	18°10'58	11♉ 5	9° 3	2°23	10°41	20°47	3° 1	5°12	10° 7	26°38	27°30	28°46	14°55	n.a.	T 13
W14	11 8 47	19° 9'40	25°11	11° 0	3°17	11°18	20°57	3° 1	5°10	10° 7	26°38	27°D29	28°43	15° 1	n.a.	W14
T 15	11 12 44	20° 8'19	9♊19	12°59	4°11	11°56	21° 8	3° 1	5° 9	10° 6	26°38	27°29	28°40	15° 8	n.a.	T 15
F 16	11 16 40	21° 6'55	23°26	14°59	5° 6	12°33	21°18	3° 1	5° 7	10° 6	26°37	27°R30	28°37	15°15	n.a.	F 16
S 17	11 20 37	22° 5'30	7♋32	17° 0	6° 2	13°11	21°29	3°R 1	5° 5	10° 6	26°37	27°29	28°33	15°21	n.a.	S 17
S 18	11 24 33	23° 4'02	21°36	19° 3	6°58	13°49	21°39	3° 1	5° 4	10° 5	26°36	27°26	28°30	15°28	n.a.	S 18
M19	11 28 30	24° 2'31	5♌36	21° 7	7°55	14°26	21°49	3° 1	5° 2	10° 5	26°36	27°20	28°27	15°35	n.a.	M19
T 20	11 32 27	25° 0'59	19°29	23°12	8°52	15° 4	21°59	3° 1	5° 1	10° 5	26°35	27°12	28°24	15°41	n.a.	T 20
W21	11 36 23	25°59'24	3♍12	25°18	9°49	15°41	22° 9	3° 1	5° 0	10° 5	26°35	27° 3	28°21	15°48	n.a.	W21
T 22	11 40 20	26°57'47	16°43	27°25	10°47	16°19	22°18	3° 0	4°58	10° 5	26°34	26°52	28°17	15°54	n.a.	T 22
F 23	11 44 16	27°56'08	29°59	29°32	11°46	16°56	22°28	3° 0	4°57	10° 5	26°34	26°43	28°14	16° 1	n.a.	F 23
S 24	11 48 13	28°54'27	12♎57	1♈40	12°44	17°34	22°37	2°59	4°56	10° 5	26°33	26°34	28°11	16° 8	n.a.	S 24
S 25	11 52 9	29°52'44	25°38	3°48	13°43	18°11	22°47	2°58	4°55	10° 4	26°32	26°28	28° 8	16°14	n.a.	S 25
M26	11 56 6	0♈51'00	8♏ 2	5°56	14°43	18°49	22°56	2°57	4°54	10°D 4	26°32	26°24	28° 5	16°21	n.a.	M26
T 27	12 0 2	1°49'14	20°12	8° 4	15°43	19°27	23° 5	2°56	4°52	10° 4	26°31	26°22	28° 2	16°28	n.a.	T 27
W28	12 3 59	2°47'26	2♐10	10°11	16°43	20° 4	23°14	2°55	4°51	10° 5	26°30	26°D22	27°58	16°34	n.a.	W28
T 29	12 7 55	3°45'36	14° 1	12°17	17°43	20°42	23°23	2°54	4°50	10° 5	26°30	26°23	27°55	16°41	n.a.	T 29
F 30	12 11 52	4°43'45	25°50	14°22	18°44	21°19	23°32	2°53	4°50	10° 5	26°29	26°24	27°52	16°48	n.a.	F 30
S 31	12 15 49	5♈41'53	7♑42	16♈26	19♒45	21♉57	23♑41	2♐52	4♌49	10♋ 5	26♏28	26°R24	27♏49	16♐54	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	9s16	20s58	0n38	17s54	2s15	18s18	3n35	13n30	0n50	22s54	0s29	19s26	1n34	19n48	0n44	23n 7	0s12	12s 8	7n42	20s 9	20s16	21s27			n.a.
F 2	8 54	21 31	1 39	17 24	2 15	18 18	3 27	13 43	0 51	22 52	0 29	19 27	1 34	19 49	0 44	23 8	0 12	12 8	7 42	20 9	20 15	21 27			n.a.
S 3	8 32	21 7	2 36	16 51	2 15	18 18	3 19	13 57	0 51	22 51	0 29	19 27	1 34	19 49	0 44	23 8	0 12	12 8	7 43	20 9	20 14	21 27			n.a.
S 4	8 9	19 46	3 27	16 17	2 15	18 18	3 11	14 10	0 51	22 49	0 29	19 27	1 34	19 50	0 44	23 8	0 12	12 8	7 43	20 8	20 13	21 27			n.a.
M 5	7 47	17 29	4 8	15 41	2 14	18 17	3 3	14 23	0 52	22 48	0 29	19 27	1 34	19 50	0 44	23 8	0 12	12 8	7 43	20 7	20 13	21 26			n.a.
T 6	7 24	14 22	4 40	15 4	2 13	18 15	2 56	14 36	0 52	22 46	0 30	19 27	1 34	19 51	0 44	23 8	0 12	12 8	7 43	20 5	20 12	21 26			n.a.
W 7	7 1	10 32	4 58	14 25	2 11	18 14	2 48	14 49	0 53	22 45	0 30	19 27	1 34	19 51	0 44	23 8	0 12	12 8	7 43	20 2	20 11	21 26			n.a.
T 8	6 39	6 7	5 1	13 44	2 8	18 11	2 40	15 2	0 53	22 43	0 30	19 27	1 34	19 52	0 44	23 8	0 12	12 7	7 43	19 59	20 11	21 26			n.a.
F 9	6 16	1 19	4 47	13 2	2 6	18 8	2 33	15 14	0 54	22 42	0 30	19 27	1 34	19 52	0 44	23 8	0 12	12 7	7 43	19 57	20 10	21 26			n.a.
S 10	5 53	3n38	4 18	12 18	2 2	18 5	2 25	15 27	0 54	22 40	0 30	19 28	1 34	19 53	0 44	23 8	0 12	12 7	7 44	19 54	20 9	21 26			n.a.
S 11	5 30	8 28	3 33	11 32	1 58	18 1	2 18	15 40	0 54	22 39	0 30	19 28	1 35	19 53	0 44	23 8	0 12	12 7	7 44	19 52	20 9	21 26			n.a.
M12	5 7	12 56	2 34	10 45	1 54	17 57	2 10	15 52	0 55	22 38	0 31	19 28	1 35	19 53	0 44	23 8	0 12	12 7	7 44	19 51	20 8	21 26			n.a.
T 13	4 44	16 41	1 26	9 57	1 49	17 52	2 3	16 4	0 55	22 36	0 31	19 28	1 35	19 54	0 44	23 8	0 12	12 6	7 44	19 50	20 7	21 26			n.a.
W14	4 20	19 29	0 12	9 7	1 43	17 46	1 56	16 17	0 55	22 35	0 31	19 28	1 35	19 54	0 44	23 8	0 12	12 6	7 44	19 50	20 6	21 26			n.a.
T 15	3 57	21 5	1s 3	8 15	1 37	17 40	1 49	16 29	0 56	22 33	0 31	19 27	1 35	19 55	0 44	23 8	0 12	12 6	7 44	19 50	20 6	21 26			n.a.
F 16	3 34	21 20	2 14	7 22	1 30	17 34	1 42	16 41	0 56	22 32	0 31	19 27	1 35	19 55	0 44	23 8	0 12	12 6	7 44	19 50	20 5	21 26			n.a.
S 17	3 10	20 14	3 16	6 28	1 23	17 27	1 35	16 53	0 57	22 30	0 32	19 27	1 35	19 55	0 44	23 8	0 11	12 6	7 45	19 50	20 4	21 25			n.a.
S 18	2 47	17 54	4 7	5 32	1 16	17 20	1 28	17 4	0 57	22 29	0 32	19 27	1 35	19 56	0 44	23 8	0 11	12 5	7 45	19 49	20 4	21 25			n.a.
M19	2 24	14 32	4 43	4 36	1 7	17 12	1 21	17 16	0 57	22 27	0 32	19 27	1 35	19 56	0 43	23 9	0 11	12 5	7 45	19 48	20 3	21 25			n.a.
T 20	2 0	10 23	5 1	3 38	0 59	17 3	1 15	17 28	0 58	22 26	0 32	19 27	1 35	19 56	0 43	23 9	0 11	12 5	7 45	19 46	20 2	21 25			n.a.
W21	1 37	5 45	5 2	2 39	0 50	16 54	1 8	17 39	0 58	22 25	0 32	19 27	1 35	19 57	0 43	23 9	0 11	12 5	7 45	19 44	20 2	21 25			n.a.
T 22	1 13	0 55	4 46	1 39	0 40	16 45	1 2	17 51	0 58	22 23	0 33	19 27	1 35	19 57	0 43	23 9	0 11	12 4	7 45	19 41	20 1	21 25			n.a.
F 23	0 50	3s53	4 15	0 39	0 30	16 34	0 56	18 2	0 59	22 22	0 33	19 26	1 36	19 57	0 43	23 9	0 11	12 4	7 45	19 39	20 0	21 25			n.a.
S 24	0 26	8 24	3 31	0n22	0 20	16 24	0 49	18 13	0 59	22 20	0 33	19 26	1 36	19 57	0 43	23 9	0 11	12 4	7 45	19 37	19 59	21 25			n.a.
S 25	0 3	12 27	2 37	1 23	0 10	16 13	0 43	18 24	0 59	22 19	0 33	19 26	1 36	19 58	0 43	23 9	0 11	12 4	7 46	19 35	19 59	21 24			n.a.
M26	0n21	15 53	1 37	2 24	0n 1	16 1	0 37	18 35	1 0	22 18	0 33	19 26	1 36	19 58	0 43	23 9	0 11	12 3	7 46	19 35	19 58	21 24			n.a.
T 27	0 44	18 32	0 33	3 25	0 12	15 49	0 31	18 45	1 0	22 16	0 34	19 26	1 36	19 58	0 43	23 9	0 11	12 3	7 46	19 34	19 57	21 24			n.a.
W28	1 7	20 20	0n31	4 26	0 23	15 36	0 25	18 56	1 0	22 15	0 34	19 25	1 36	19 58	0 43	23 9	0 11	12 3	7 46	19 34	19 56	21 24			n.a.
T 29	1 31	21 12	1 34	5 26	0 34	15 23	0 20	19 6	1 1	22 14	0 34	19 25	1 36	19 59	0 43	23 9	0 11	12 3	7 46	19 34	19 56	21 24			n.a.
F 30	1 54	21 7	2 32	6 25	0 45	15 10	0 14	19 17	1 1	22 12	0 34	19 25	1 36	19 59	0 43	23 9	0 11	12 2	7 46	19 35	19 55	21 24			n.a.
S 31	2n17	20s 6	3n24	7n23	0n55	14s56	0n 9	19n27	1n 1	22s11	0s34	19s24	1n36	19n59	0n43	23n 9	0s11	12s 2	7n46	19s35	19s54	21s23			n.a.

Julian Day Number = 1640396.5, Delta T = 03h36m44s
Ecliptic obliquity = 23°43'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'55, Lahiri = - 7°00'55 Julian Calendar 1 March 222 BCE == Greg. Calendar 25 Feb. 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

APRIL 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 19 45	6♈39'59	19♉42	18♈27	20♒46	22♉34	23♉49	2°R50	4°R48	10♋ 5	26°R27	26°R23	27♏46	17♐ 1	n.a.	S 1
M 2	12 23 42	7°38'03	1♒55	20°26	21°48	23°12	23°57	2♐49	4♎47	10° 5	26♏26	26♏20	27°43	17° 8	n.a.	M 2
T 3	12 27 38	8°36'06	14°26	22°23	22°50	23°49	24° 6	2°47	4°46	10° 6	26°25	26°16	27°39	17°14	n.a.	T 3
W 4	12 31 35	9°34'07	27°17	24°18	23°52	24°27	24°14	2°45	4°46	10° 6	26°24	26° 9	27°36	17°21	n.a.	W 4
T 5	12 35 31	10°32'07	10♓31	26° 9	24°55	25° 4	24°22	2°44	4°45	10° 6	26°23	26° 2	27°33	17°28	n.a.	T 5
F 6	12 39 28	11°30'05	24° 6	27°58	25°58	25°42	24°30	2°42	4°44	10° 7	26°22	25°54	27°30	17°34	n.a.	F 6
S 7	12 43 24	12°28'02	8♈ 3	29°43	27° 1	26°19	24°37	2°40	4°44	10° 7	26°21	25°48	27°27	17°41	n.a.	S 7
S 8	12 47 21	13°25'57	22°15	1♉25	28° 4	26°57	24°45	2°38	4°43	10° 7	26°20	25°42	27°23	17°48	n.a.	S 8
M 9	12 51 18	14°23'50	6♉38	3° 4	29° 7	27°35	24°52	2°36	4°43	10° 8	26°19	25°39	27°20	17°54	n.a.	M 9
T 10	12 55 14	15°21'42	21° 7	4°39	0♓11	28°12	24°59	2°34	4°43	10° 8	26°18	25°D38	27°17	18° 1	n.a.	T 10
W11	12 59 11	16°19'32	5♊37	6°10	1°15	28°50	25° 7	2°31	4°42	10° 9	26°17	25°38	27°14	18° 8	n.a.	W11
T 12	13 3 7	17°17'20	20° 2	7°38	2°19	29°27	25°14	2°29	4°42	10° 9	26°16	25°39	27°11	18°14	n.a.	T 12
F 13	13 7 4	18°15'06	4♋20	9° 2	3°23	0♊ 5	25°20	2°26	4°42	10°10	26°15	25°40	27° 8	18°21	n.a.	F 13
S 14	13 11 0	19°12'51	18°28	10°22	4°28	0°42	25°27	2°24	4°42	10°11	26°14	25°R41	27° 4	18°27	n.a.	S 14
S 15	13 14 57	20°10'34	2♌25	11°39	5°32	1°20	25°33	2°21	4°42	10°11	26°13	25°40	27° 1	18°34	n.a.	S 15
M16	13 18 53	21° 8'14	16°10	12°51	6°37	1°57	25°40	2°19	4°D42	10°12	26°12	25°38	26°58	18°41	n.a.	M16
T 17	13 22 50	22° 5'54	29°42	13°59	7°42	2°35	25°46	2°16	4°42	10°13	26°10	25°35	26°55	18°47	n.a.	T 17
W18	13 26 47	23° 3'31	13♍ 2	15° 4	8°47	3°12	25°52	2°13	4°42	10°13	26° 9	25°30	26°52	18°54	n.a.	W18
T 19	13 30 43	24° 1'07	26° 8	16° 4	9°53	3°50	25°58	2°10	4°42	10°14	26° 8	25°25	26°49	19° 1	n.a.	T 19
F 20	13 34 40	24°58'41	9♎ 1	17° 0	10°58	4°27	26° 4	2° 7	4°42	10°15	26° 7	25°20	26°45	19° 7	n.a.	F 20
S 21	13 38 36	25°56'14	21°40	17°52	12° 4	5° 5	26° 9	2° 4	4°42	10°16	26° 5	25°16	26°42	19°14	n.a.	S 21
S 22	13 42 33	26°53'46	4♏ 5	18°39	13°10	5°42	26°15	2° 1	4°42	10°17	26° 4	25°13	26°39	19°21	n.a.	S 22
M23	13 46 29	27°51'17	16°19	19°22	14°16	6°20	26°20	1°58	4°43	10°18	26° 3	25°11	26°36	19°27	n.a.	M23
T 24	13 50 26	28°48'46	28°21	20° 1	15°22	6°57	26°25	1°55	4°43	10°19	26° 1	25°D11	26°33	19°34	n.a.	T 24
W25	13 54 22	29°46'14	10♐16	20°35	16°28	7°35	26°30	1°51	4°44	10°19	26° 0	25°12	26°29	19°41	n.a.	W25
T 26	13 58 19	0♉43'42	22° 6	21° 5	17°35	8°12	26°35	1°48	4°44	10°20	25°59	25°13	26°26	19°47	n.a.	T 26
F 27	14 2 15	1°41'08	3♉55	21°30	18°41	8°50	26°39	1°44	4°45	10°21	25°57	25°15	26°23	19°54	n.a.	F 27
S 28	14 6 12	2°38'34	15°47	21°50	19°48	9°28	26°44	1°41	4°45	10°23	25°56	25°16	26°20	20° 1	n.a.	S 28
S 29	14 10 9	3°35'58	27°47	22° 6	20°55	10° 5	26°48	1°37	4°46	10°24	25°54	25°17	26°17	20° 7	n.a.	S 29
M30	14 14 5	4♉33'22	10♒ 0	22♉17	22♓ 2	10♊43	26♉52	1♐34	4♎46	10♋25	25♏53	25°R17	26♏14	20♐14	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n41	18s10	4n 8	8n20	1n 6	14s41	0n 3	19n37	1n 1	22s10	0s35	19s24	1n36	19n59	0n43	23n 9	0s11	12s 2	7n46	19s34	19s54	21s23		n.a.
M 2	3 4	15 24	4 41	9 15	1 16	14 26	0s 2	19 47	1 2	22 8	0 35	19 24	1 36	19 59	0 43	23 9	0 11	12 1	7 46	19 34	19 53	21 23		n.a.
T 3	3 27	11 53	5 2	10 8	1 26	14 11	0 7	19 57	1 2	22 7	0 35	19 23	1 36	19 59	0 43	23 9	0 11	12 1	7 46	19 33	19 52	21 23		n.a.
W 4	3 50	7 44	5 8	11 0	1 35	13 55	0 12	20 7	1 2	22 6	0 35	19 23	1 36	20 0	0 43	23 9	0 11	12 1	7 47	19 31	19 51	21 23		n.a.
T 5	4 13	3 7	4 59	11 50	1 44	13 38	0 17	20 16	1 3	22 5	0 35	19 22	1 37	20 0	0 43	23 9	0 11	12 1	7 47	19 29	19 51	21 22		n.a.
F 6	4 36	1n47	4 32	12 37	1 52	13 22	0 22	20 25	1 3	22 4	0 36	19 22	1 37	20 0	0 43	23 9	0 11	12 0	7 47	19 28	19 50	21 22		n.a.
S 7	4 59	6 44	3 49	13 22	2 0	13 4	0 27	20 35	1 3	22 2	0 36	19 22	1 37	20 0	0 43	23 9	0 11	12 0	7 47	19 26	19 49	21 22		n.a.
S 8	5 22	11 24	2 51	14 5	2 7	12 47	0 31	20 44	1 3	22 1	0 36	19 21	1 37	20 0	0 43	23 9	0 11	12 0	7 47	19 25	19 48	21 22		n.a.
M 9	5 44	15 29	1 41	14 46	2 14	12 28	0 36	20 53	1 4	22 0	0 36	19 21	1 37	20 0	0 43	23 9	0 11	11 59	7 47	19 24	19 48	21 22		n.a.
T 10	6 7	18 39	0 24	15 24	2 19	12 10	0 40	21 2	1 4	21 59	0 37	19 20	1 37	20 0	0 43	23 9	0 11	11 59	7 47	19 24	19 47	21 21		n.a.
W11	6 30	20 36	0s54	16 0	2 24	11 51	0 45	21 10	1 4	21 58	0 37	19 20	1 37	20 0	0 43	23 9	0 11	11 59	7 47	19 24	19 46	21 21		n.a.
T 12	6 52	21 12	2 9	16 33	2 28	11 32	0 49	21 19	1 4	21 57	0 37	19 19	1 37	20 0	0 43	23 9	0 11	11 58	7 47	19 24	19 46	21 21		n.a.
F 13	7 14	20 24	3 15	17 4	2 32	11 12	0 53	21 27	1 4	21 56	0 37	19 19	1 37	20 0	0 43	23 9	0 11	11 58	7 47	19 24	19 45	21 21		n.a.
S 14	7 36	18 19	4 9	17 32	2 34	10 52	0 57	21 36	1 5	21 55	0 37	19 18	1 37	20 0	0 43	23 9	0 11	11 58	7 47	19 24	19 44	21 20		n.a.
S 15	7 59	15 12	4 47	17 58	2 36	10 32	1 1	21 44	1 5	21 54	0 38	19 17	1 37	20 0	0 43	23 9	0 11	11 57	7 47	19 24	19 43	21 20		n.a.
M16	8 20	11 17	5 8	18 21	2 36	10 11	1 4	21 52	1 5	21 53	0 38	19 17	1 37	20 0	0 43	23 9	0 11	11 57	7 47	19 24	19 43	21 20		n.a.
T 17	8 42	6 51	5 11	18 42	2 36	9 50	1 8	21 59	1 5	21 52	0 38	19 16	1 37	20 0	0 43	23 8	0 11	11 57	7 47	19 23	19 42	21 20		n.a.
W18	9 4	2 10	4 58	19 1	2 35	9 28	1 11	22 7	1 6	21 51	0 38	19 16	1 37	20 0	0 43	23 8	0 11	11 56	7 48	19 22	19 41	21 19		n.a.
T 19	9 25	2s33	4 29	19 17	2 33	9 6	1 15	22 14	1 6	21 50	0 39	19 15	1 37	20 0	0 43	23 8	0 11	11 56	7 48	19 20	19 40	21 19		n.a.
F 20	9 47	7 4	3 46	19 30	2 30	8 44	1 18	22 22	1 6	21 49	0 39	19 14	1 37	20 0	0 42	23 8	0 11	11 56	7 48	19 19	19 40	21 19		n.a.
S 21	10 8	11 13	2 54	19 42	2 26	8 22	1 21	22 29	1 6	21 48	0 39	19 14	1 37	20 0	0 42	23 8	0 11	11 55	7 48	19 18	19 39	21 19		n.a.
S 22	10 29	14 48	1 53	19 50	2 21	7 59	1 24	22 36	1 6	21 48	0 39	19 13	1 37	20 0	0 42	23 8	0 11	11 55	7 48	19 18	19 38	21 18		n.a.
M23	10 50	17 41	0 49	19 57	2 16	7 36	1 27	22 43	1 7	21 47	0 40	19 12	1 37	20 0	0 42	23 8	0 11	11 55	7 48	19 17	19 37	21 18		n.a.
T 24	11 11	19 45	0n17	20 1	2 9	7 13	1 30	22 49	1 7	21 46	0 40	19 12	1 37	20 0	0 42	23 8	0 11	11 54	7 48	19 17	19 37	21 18		n.a.
W25	11 31	20 54	1 22	20 3	2 1	6 49	1 33	22 56	1 7	21 45	0 40	19 11	1 37	19 59	0 42	23 8	0 11	11 54	7 48	19 17	19 36	21 17		n.a.
T 26	11 52	21 6	2 23	20 3	1 52	6 26	1 35	23 2	1 7	21 45	0 40	19 10	1 37	19 59	0 42	23 8	0 11	11 54	7 48	19 18	19 35	21 17		n.a.
F 27	12 12	20 22	3 18	20 0	1 43	6 1	1 38	23 8	1 7	21 44	0 41	19 10	1 37	19 59	0 42	23 8	0 11	11 53	7 48	19 18	19 34	21 17		n.a.
S 28	12 32	18 44	4 4	19 55	1 32	5 37	1 40	23 14	1 7	21 43	0 41	19 9	1 37	19 59	0 42	23 8	0 11	11 53	7 48	19 18	19 34	21 16		n.a.
S 29	12 52	16 16	4 40	19 48	1 21	5 13	1 42	23 20	1 8	21 43	0 41	19 8	1 37	19 59	0 42	23 8	0 11	11 53	7 48	19 19	19 33	21 16		n.a.
M30	13n11	13s 3	5n 5	19n39	1n 8	4s48	1s45	23n26	1n 8	21s42	0s41	19s 7	1n38	19n59	0n42	23n 8	0s11	11s53	7n48	19s19	19s32	21s16		n.a.

Julian Day Number = 1640427.5, Delta T = 03h36m43s
Ecliptic obliquity = 23°43'15, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'51, Lahiri = - 7°00'51 Julian Calendar 1 Apr. 222 BCE == Greg. Calendar 28 March 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

MAY 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 18 2	5♉30'45	22♒29	22♉23	23♓ 9	11♊20	26♑56	1°R30	4♌47	10♋26	25°R52	25°R16	26♏10	20♐21	n.a.	T 1
W 2	14 21 58	6°28'07	5♓20	22°R25	24°16	11°58	26°59	1♐26	4°48	10°27	25♏50	25♏15	26° 7	20°27	n.a.	W 2
T 3	14 25 55	7°25'29	18°35	22°22	25°24	12°35	27° 3	1°23	4°49	10°28	25°49	25°12	26° 4	20°34	n.a.	T 3
F 4	14 29 51	8°22'49	2♈16	22°15	26°31	13°13	27° 6	1°19	4°50	10°29	25°47	25°10	26° 1	20°41	n.a.	F 4
S 5	14 33 48	9°20'09	16°20	22° 3	27°39	13°50	27° 9	1°15	4°51	10°31	25°46	25° 8	25°58	20°47	n.a.	S 5
S 6	14 37 44	10°17'29	0♉47	21°48	28°46	14°28	27°12	1°11	4°52	10°32	25°44	25° 7	25°54	20°54	n.a.	S 6
M 7	14 41 41	11°14'47	15°29	21°29	29°54	15° 5	27°15	1° 7	4°53	10°33	25°43	25° 6	25°51	21° 1	n.a.	M 7
T 8	14 45 38	12°12'05	0♊21	21° 6	1♈ 2	15°43	27°18	1° 3	4°54	10°35	25°41	25°D 6	25°48	21° 7	n.a.	T 8
W 9	14 49 34	13° 9'22	15°14	20°41	2°10	16°20	27°20	0°59	4°55	10°36	25°40	25° 6	25°45	21°14	n.a.	W 9
T 10	14 53 31	14° 6'38	0♋ 2	20°12	3°18	16°58	27°22	0°55	4°56	10°37	25°38	25° 7	25°42	21°21	n.a.	T 10
F 11	14 57 27	15° 3'53	14°37	19°42	4°26	17°35	27°24	0°51	4°58	10°39	25°37	25° 8	25°39	21°27	n.a.	F 11
S 12	15 1 24	16° 1'07	28°57	19°10	5°35	18°13	27°26	0°47	4°59	10°40	25°35	25° 8	25°35	21°34	n.a.	S 12
S 13	15 5 20	16°58'20	12♌58	18°37	6°43	18°51	27°28	0°42	5° 0	10°42	25°33	25°R 9	25°32	21°41	n.a.	S 13
M14	15 9 17	17°55'32	26°39	18° 3	7°52	19°28	27°29	0°38	5° 2	10°43	25°32	25° 9	25°29	21°47	n.a.	M14
T 15	15 13 14	18°52'43	10♍ 1	17°29	9° 0	20° 6	27°31	0°34	5° 3	10°45	25°30	25° 8	25°26	21°54	n.a.	T 15
W16	15 17 10	19°49'53	23° 5	16°56	10° 9	20°43	27°32	0°30	5° 5	10°46	25°29	25° 8	25°23	22° 1	n.a.	W16
T 17	15 21 7	20°47'03	5♎52	16°24	11°18	21°21	27°33	0°25	5° 6	10°48	25°27	25° 7	25°20	22° 7	n.a.	T 17
F 18	15 25 3	21°44'12	18°26	15°54	12°26	21°58	27°33	0°21	5° 8	10°49	25°26	25° 7	25°16	22°14	n.a.	F 18
S 19	15 29 0	22°41'20	0♏47	15°26	13°35	22°36	27°34	0°17	5° 9	10°51	25°24	25° 6	25°13	22°21	n.a.	S 19
S 20	15 32 56	23°38'27	12°57	15° 1	14°44	23°13	27°34	0°12	5°11	10°52	25°23	25° 6	25°10	22°27	n.a.	S 20
M21	15 36 53	24°35'35	24°59	14°38	15°54	23°51	27°R34	0° 8	5°13	10°54	25°21	25°D 6	25° 7	22°34	n.a.	M21
T 22	15 40 49	25°32'42	6♐55	14°20	17° 3	24°29	27°34	0° 4	5°15	10°56	25°19	25°R 6	25° 4	22°41	n.a.	T 22
W23	15 44 46	26°29'48	18°45	14° 5	18°12	25° 6	27°34	29♏59	5°17	10°57	25°18	25° 6	25° 0	22°47	n.a.	W23
T 24	15 48 43	27°26'55	0♑34	13°55	19°21	25°44	27°34	29°55	5°18	10°59	25°16	25° 6	24°57	22°54	n.a.	T 24
F 25	15 52 39	28°24'01	12°24	13°48	20°31	26°21	27°33	29°51	5°20	11° 1	25°15	25° 6	24°54	23° 0	n.a.	F 25
S 26	15 56 36	29°21'07	24°17	13°D47	21°40	26°59	27°32	29°46	5°22	11° 3	25°13	25° 5	24°51	23° 7	n.a.	S 26
S 27	16 0 32	0♊18'14	6♒18	13°50	22°50	27°37	27°31	29°42	5°24	11° 4	25°12	25° 5	24°48	23°14	n.a.	S 27
M28	16 4 29	1°15'20	18°31	13°57	24° 0	28°14	27°30	29°37	5°27	11° 6	25°10	25° 4	24°45	23°20	n.a.	M28
T 29	16 8 25	2°12'26	0♓59	14°10	25° 9	28°52	27°29	29°33	5°29	11° 8	25° 8	25°D 4	24°41	23°27	n.a.	T 29
W30	16 12 22	3° 9'33	13°46	14°27	26°19	29°29	27°27	29°29	5°31	11°10	25° 7	25° 4	24°38	23°34	n.a.	W30
T 31	16 16 18	4♊ 6'40	26♓56	14♉50	27♈29	0♋ 7	27♑25	29♏24	5♌33	11♋12	25♏ 5	25♏ 5	24♏35	23♐40	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13n31	9s12	5n15	19n28	0n55	4s23	1s47	23n31	1n 8	21s42	0s42	19s 7	1n38	19n58	0n42	23n 8	0s11	11s52	7n48	19s18	19s31	21s16			n.a.
W 2	13 50	4 51	5 11	19 15	0 41	3 58	1 49	23 37	1 8	21 41	0 42	19 6	1 38	19 58	0 42	23 8	0 11	11 52	7 48	19 18	19 31	21 15			n.a.
T 3	14 9	0 7	4 50	19 0	0 27	3 32	1 50	23 42	1 8	21 41	0 42	19 5	1 38	19 58	0 42	23 8	0 11	11 52	7 48	19 17	19 30	21 15			n.a.
F 4	14 28	4n46	4 12	18 44	0 11	3 7	1 52	23 47	1 8	21 41	0 42	19 4	1 38	19 58	0 42	23 7	0 11	11 51	7 48	19 17	19 29	21 15			n.a.
S 5	14 46	9 33	3 18	18 25	0s 5	2 41	1 54	23 52	1 8	21 40	0 43	19 4	1 38	19 57	0 42	23 7	0 11	11 51	7 48	19 16	19 28	21 14			n.a.
S 6	15 5	13 55	2 11	18 5	0 21	2 15	1 55	23 56	1 9	21 40	0 43	19 3	1 38	19 57	0 42	23 7	0 11	11 51	7 48	19 16	19 28	21 14			n.a.
M 7	15 23	17 31	0 53	17 44	0 38	1 49	1 57	24 1	1 9	21 40	0 43	19 2	1 38	19 57	0 42	23 7	0 11	11 50	7 48	19 16	19 27	21 13			n.a.
T 8	15 41	19 59	0s29	17 22	0 55	1 23	1 58	24 5	1 9	21 39	0 43	19 1	1 37	19 56	0 42	23 7	0 11	11 50	7 48	19 16	19 26	21 13			n.a.
W 9	15 58	21 5	1 49	16 58	1 12	0 57	1 59	24 9	1 9	21 39	0 44	19 0	1 37	19 56	0 42	23 7	0 11	11 50	7 48	19 16	19 25	21 13			n.a.
T 10	16 16	20 41	3 2	16 35	1 29	0 30	2 0	24 13	1 9	21 39	0 44	19 0	1 37	19 56	0 42	23 7	0 11	11 49	7 47	19 16	19 25	21 12			n.a.
F 11	16 33	18 54	4 2	16 10	1 46	0 4	2 1	24 17	1 9	21 39	0 44	18 59	1 37	19 55	0 42	23 7	0 10	11 49	7 47	19 16	19 24	21 12			n.a.
S 12	16 50	15 58	4 45	15 46	2 2	0n23	2 2	24 21	1 9	21 39	0 44	18 58	1 37	19 55	0 42	23 7	0 10	11 49	7 47	19 16	19 23	21 12			n.a.
S 13	17 6	12 10	5 10	15 21	2 18	0 49	2 3	24 24	1 9	21 39	0 45	18 57	1 37	19 55	0 42	23 7	0 10	11 48	7 47	19 17	19 22	21 11			n.a.
M14	17 22	7 48	5 17	14 57	2 33	1 16	2 4	24 27	1 10	21 39	0 45	18 56	1 37	19 54	0 42	23 7	0 10	11 48	7 47	19 17	19 21	21 11			n.a.
T 15	17 38	3 10	5 7	14 34	2 48	1 43	2 4	24 30	1 10	21 39	0 45	18 55	1 37	19 54	0 42	23 6	0 10	11 48	7 47	19 16	19 21	21 11			n.a.
W16	17 54	1s30	4 41	14 11	3 2	2 9	2 5	24 33	1 10	21 39	0 45	18 55	1 37	19 54	0 42	23 6	0 10	11 48	7 47	19 16	19 20	21 10			n.a.
T 17	18 10	6 2	4 1	13 50	3 14	2 36	2 5	24 36	1 10	21 39	0 46	18 54	1 37	19 53	0 42	23 6	0 10	11 47	7 47	19 16	19 19	21 10			n.a.
F 18	18 25	10 14	3 10	13 31	3 25	3 3	2 5	24 38	1 10	21 39	0 46	18 53	1 37	19 53	0 42	23 6	0 10	11 47	7 47	19 16	19 18	21 9			n.a.
S 19	18 40	13 55	2 11	13 13	3 36	3 30	2 6	24 41	1 10	21 39	0 46	18 52	1 37	19 52	0 42	23 6	0 10	11 47	7 47	19 16	19 18	21 9			n.a.
S 20	18 54	16 58	1 7	12 57	3 44	3 57	2 6	24 43	1 10	21 39	0 47	18 51	1 37	19 52	0 41	23 6	0 10	11 46	7 47	19 16	19 17	21 9			n.a.
M21	19 8	19 15	0 1	12 44	3 52	4 24	2 6	24 45	1 10	21 39	0 47	18 50	1 37	19 51	0 41	23 6	0 10	11 46	7 47	19 16	19 16	21 8			n.a.
T 22	19 22	20 39	1n 5	12 32	3 58	4 51	2 6	24 47	1 10	21 40	0 47	18 49	1 37	19 51	0 41	23 6	0 10	11 46	7 47	19 16	19 15	21 8			n.a.
W23	19 36	21 7	2 8	12 23	4 3	5 17	2 5	24 48	1 10	21 40	0 47	18 48	1 37	19 50	0 41	23 5	0 10	11 46	7 46	19 16	19 15	21 7			n.a.
T 24	19 49	20 39	3 5	12 17	4 7	5 44	2 5	24 50	1 11	21 40	0 48	18 48	1 37	19 50	0 41	23 5	0 10	11 45	7 46	19 16	19 14	21 7			n.a.
F 25	20 2	19 15	3 54	12 13	4 9	6 11	2 5	24 51	1 11	21 41	0 48	18 47	1 37	19 49	0 41	23 5	0 10	11 45	7 46	19 16	19 13	21 6			n.a.
S 26	20 15	17 2	4 33	12 11	4 10	6 38	2 4	24 52	1 11	21 41	0 48	18 46	1 37	19 49	0 41	23 5	0 10	11 45	7 46	19 16	19 12	21 6			n.a.
S 27	20 27	14 4	5 1	12 12	4 10	7 4	2 4	24 53	1 11	21 42	0 48	18 45	1 37	19 48	0 41	23 5	0 10	11 45	7 46	19 16	19 11	21 6			n.a.
M28	20 39	10 27	5 15	12 16	4 8	7 31	2 3	24 53	1 11	21 42	0 49	18 44	1 37	19 48	0 41	23 5	0 10	11 44	7 46	19 15	19 11	21 5			n.a.
T 29	20 51	6 20	5 16	12 22	4 6	7 57	2 2	24 54	1 11	21 43	0 49	18 43	1 36	19 47	0 41	23 5	0 10	11 44	7 46	19 15	19 10	21 5			n.a.
W30	21 2	1 50	5 1	12 31	4 2	8 23	2 2	24 54	1 11	21 43	0 49	18 42	1 36	19 47	0 41	23 5	0 10	11 44	7 46	19 15	19 9	21 4			n.a.
T 31	21n13	2n53	4n30	12n42	3s57	8n49	2s 1	24n54	1n11	21s44	0s50	18s42	1n36	19n46	0n41	23n 4	0s10	11s44	7n45	19s16	19s 8	21s 4			n.a.

Julian Day Number = 1640457.5, Delta T = 03h36m42s
Ecliptic obliquity = 23°43'15, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'47, Lahiri = - 7°00'46 Julian Calendar 1 May 222 BCE == Greg. Calendar 27 Apr. 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

JUNE 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 20 15	5♊ 3'47	10♈32	15♉17	28♈39	0♋45	27°R23	29°R20	5♎35	11♋13	25°R 4	25♏ 5	24♏32	23♐47	n.a.	F 1
S 2	16 24 12	6° 0'54	24°34	15°49	29°49	1°22	27♑21	29♏16	5°38	11°15	25♏ 2	25° 6	24°29	23°54	n.a.	S 2
S 3	16 28 8	6°58'01	9♉ 2	16°25	0♉59	2° 0	27°19	29°11	5°40	11°17	25° 1	25° 7	24°26	24° 0	n.a.	S 3
M 4	16 32 5	7°55'09	23°50	17° 7	2° 9	2°38	27°16	29° 7	5°42	11°19	24°59	25°R 7	24°22	24° 7	n.a.	M 4
T 5	16 36 1	8°52'17	8♊54	17°53	3°20	3°15	27°14	29° 3	5°45	11°21	24°58	25° 7	24°19	24°14	n.a.	T 5
W 6	16 39 58	9°49'26	24° 3	18°43	4°30	3°53	27°11	28°58	5°47	11°23	24°56	25° 6	24°16	24°20	n.a.	W 6
T 7	16 43 54	10°46'34	9♋10	19°38	5°40	4°31	27° 8	28°54	5°50	11°25	24°55	25° 5	24°13	24°27	n.a.	T 7
F 8	16 47 51	11°43'42	24° 4	20°38	6°51	5° 8	27° 4	28°50	5°52	11°27	24°53	25° 3	24°10	24°34	n.a.	F 8
S 9	16 51 47	12°40'51	8♌39	21°42	8° 1	5°46	27° 1	28°46	5°55	11°29	24°52	25° 1	24° 6	24°40	n.a.	S 9
S 10	16 55 44	13°37'59	22°50	22°51	9°12	6°24	26°57	28°41	5°57	11°31	24°50	24°59	24° 3	24°47	n.a.	S 10
M11	16 59 41	14°35'07	6♍36	24° 4	10°22	7° 1	26°53	28°37	6° 0	11°33	24°49	24°58	24° 0	24°54	n.a.	M11
T 12	17 3 37	15°32'16	19°56	25°21	11°33	7°39	26°49	28°33	6° 3	11°35	24°47	24°D58	23°57	25° 0	n.a.	T 12
W13	17 7 34	16°29'24	2♎53	26°42	12°44	8°17	26°45	28°29	6° 5	11°37	24°46	24°59	23°54	25° 7	n.a.	W13
T 14	17 11 30	17°26'33	15°31	28° 7	13°54	8°55	26°41	28°25	6° 8	11°39	24°44	25° 0	23°51	25°14	n.a.	T 14
F 15	17 15 27	18°23'41	27°52	29°37	15° 5	9°32	26°36	28°21	6°11	11°41	24°43	25° 2	23°47	25°20	n.a.	F 15
S 16	17 19 23	19°20'50	10♏ 0	1♊10	16°16	10°10	26°32	28°17	6°14	11°43	24°42	25° 3	23°44	25°27	n.a.	S 16
S 17	17 23 20	20°18'00	22° 0	2°47	17°27	10°48	26°27	28°13	6°17	11°45	24°40	25°R 4	23°41	25°34	n.a.	S 17
M18	17 27 17	21°15'10	3♐53	4°28	18°38	11°26	26°22	28° 9	6°19	11°47	24°39	25° 3	23°38	25°40	n.a.	M18
T 19	17 31 13	22°12'20	15°43	6°12	19°49	12° 4	26°17	28° 5	6°22	11°50	24°38	25° 2	23°35	25°47	n.a.	T 19
W20	17 35 10	23° 9'31	27°32	8° 0	21° 1	12°41	26°12	28° 2	6°25	11°52	24°36	24°59	23°32	25°54	n.a.	W20
T 21	17 39 6	24° 6'42	9♑22	9°51	22°12	13°19	26° 6	27°58	6°28	11°54	24°35	24°55	23°28	26° 0	n.a.	T 21
F 22	17 43 3	25° 3'55	21°15	11°44	23°23	13°57	26° 1	27°54	6°31	11°56	24°34	24°50	23°25	26° 7	n.a.	F 22
S 23	17 46 59	26° 1'08	3♒14	13°41	24°34	14°35	25°55	27°51	6°34	11°58	24°32	24°45	23°22	26°14	n.a.	S 23
S 24	17 50 56	26°58'22	15°19	15°39	25°46	15°13	25°49	27°47	6°37	12° 0	24°31	24°39	23°19	26°20	n.a.	S 24
M25	17 54 52	27°55'37	27°35	17°40	26°57	15°50	25°43	27°44	6°41	12° 2	24°30	24°35	23°16	26°27	n.a.	M25
T 26	17 58 49	28°52'53	10♓ 4	19°42	28° 9	16°28	25°37	27°40	6°44	12° 5	24°29	24°32	23°12	26°34	n.a.	T 26
W27	18 2 46	29°50'10	22°50	21°46	29°20	17° 6	25°31	27°37	6°47	12° 7	24°27	24°31	23° 9	26°40	n.a.	W27
T 28	18 6 42	0♋47'28	5♈55	23°51	0♊32	17°44	25°24	27°33	6°50	12° 9	24°26	24°D30	23° 6	26°47	n.a.	T 28
F 29	18 10 39	1°44'47	19°23	25°56	1°44	18°22	25°18	27°30	6°53	12°11	24°25	24°31	23° 3	26°54	n.a.	F 29
S 30	18 14 35	2♋42'08	3♉16	28♊ 2	2♊55	19♋ 0	25♑11	27♏27	6♎56	12♋13	24♏24	24♏33	23♏ 0	27♐ 0	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n24	7n38	3n43	12n55	3s52	9n15	2s 0	24n54	1n11	21s44	0s50	18s41	1n36	19n46	0n41	23n 4	0s10	11s44	7n45	19s16	19s 7	21s 3		n.a.
S 2	21 34	12 8	2 42	13 10	3 45	9 41	1 59	24 54	1 11	21 45	0 50	18 40	1 36	19 45	0 41	23 4	0 10	11 43	7 45	19 16	19 7	21 3		n.a.
S 3	21 44	16 4	1 28	13 28	3 38	10 7	1 58	24 53	1 11	21 46	0 50	18 39	1 36	19 44	0 41	23 4	0 10	11 43	7 45	19 16	19 6	21 2		n.a.
M 4	21 53	19 4	0 7	13 47	3 30	10 33	1 56	24 53	1 11	21 47	0 51	18 38	1 36	19 44	0 41	23 4	0 10	11 43	7 45	19 16	19 5	21 2		n.a.
T 5	22 2	20 48	1s16	14 9	3 21	10 58	1 55	24 52	1 11	21 47	0 51	18 37	1 36	19 43	0 41	23 4	0 10	11 43	7 45	19 16	19 4	21 1		n.a.
W 6	22 11	21 2	2 34	14 32	3 12	11 23	1 54	24 51	1 11	21 48	0 51	18 36	1 36	19 42	0 41	23 4	0 10	11 43	7 45	19 16	19 4	21 1		n.a.
T 7	22 19	19 44	3 40	14 56	3 1	11 48	1 53	24 50	1 11	21 49	0 51	18 36	1 36	19 42	0 41	23 3	0 10	11 42	7 44	19 16	19 3	21 1		n.a.
F 8	22 27	17 6	4 31	15 22	2 51	12 13	1 51	24 48	1 11	21 50	0 52	18 35	1 36	19 41	0 41	23 3	0 10	11 42	7 44	19 15	19 2	21 0		n.a.
S 9	22 35	13 26	5 3	15 50	2 40	12 37	1 50	24 47	1 11	21 51	0 52	18 34	1 35	19 41	0 41	23 3	0 10	11 42	7 44	19 15	19 1	21 0		n.a.
S 10	22 42	9 6	5 16	16 19	2 28	13 1	1 48	24 45	1 11	21 52	0 52	18 33	1 35	19 40	0 41	23 3	0 10	11 42	7 44	19 14	19 0	20 59		n.a.
M11	22 49	4 24	5 10	16 48	2 16	13 25	1 46	24 43	1 11	21 53	0 53	18 32	1 35	19 39	0 41	23 3	0 10	11 42	7 44	19 14	19 0	20 59		n.a.
T 12	22 55	0s21	4 47	17 19	2 4	13 49	1 45	24 41	1 11	21 54	0 53	18 32	1 35	19 38	0 41	23 3	0 10	11 42	7 43	19 14	18 59	20 58		n.a.
W13	23 2	4 58	4 10	17 50	1 52	14 13	1 43	24 39	1 11	21 55	0 53	18 31	1 35	19 38	0 41	23 2	0 10	11 41	7 43	19 14	18 58	20 58		n.a.
T 14	23 7	9 16	3 21	18 22	1 39	14 36	1 41	24 36	1 11	21 56	0 53	18 30	1 35	19 37	0 41	23 2	0 10	11 41	7 43	19 14	18 57	20 57		n.a.
F 15	23 12	13 5	2 24	18 54	1 26	14 59	1 39	24 34	1 11	21 57	0 54	18 29	1 35	19 36	0 41	23 2	0 10	11 41	7 43	19 15	18 56	20 56		n.a.
S 16	23 17	16 17	1 22	19 26	1 14	15 21	1 37	24 31	1 11	21 58	0 54	18 29	1 35	19 36	0 41	23 2	0 10	11 41	7 43	19 15	18 56	20 56		n.a.
S 17	23 22	18 45	0 17	19 58	1 1	15 43	1 35	24 28	1 11	22 0	0 54	18 28	1 34	19 35	0 41	23 2	0 10	11 41	7 42	19 15	18 55	20 55		n.a.
M18	23 26	20 23	0n48	20 30	0 48	16 5	1 33	24 25	1 11	22 1	0 54	18 27	1 34	19 34	0 41	23 2	0 10	11 41	7 42	19 15	18 54	20 55		n.a.
T 19	23 29	21 6	1 51	21 1	0 35	16 27	1 31	24 21	1 11	22 2	0 55	18 26	1 34	19 33	0 41	23 1	0 10	11 41	7 42	19 15	18 53	20 54		n.a.
W20	23 32	20 53	2 49	21 32	0 23	16 48	1 29	24 18	1 11	22 3	0 55	18 26	1 34	19 33	0 41	23 1	0 10	11 41	7 42	19 14	18 52	20 54		n.a.
T 21	23 35	19 44	3 39	22 1	0 10	17 8	1 26	24 14	1 11	22 5	0 55	18 25	1 34	19 32	0 41	23 1	0 10	11 40	7 42	19 13	18 52	20 53		n.a.
F 22	23 38	17 44	4 21	22 29	0n 1	17 29	1 24	24 10	1 11	22 6	0 55	18 24	1 34	19 31	0 41	23 1	0 10	11 40	7 41	19 12	18 51	20 53		n.a.
S 23	23 40	14 57	4 51	22 55	0 13	17 49	1 22	24 6	1 11	22 7	0 56	18 24	1 34	19 30	0 41	23 1	0 10	11 40	7 41	19 11	18 50	20 52		n.a.
S 24	23 41	11 32	5 8	23 20	0 24	18 8	1 20	24 1	1 11	22 9	0 56	18 23	1 33	19 29	0 41	23 0	0 10	11 40	7 41	19 9	18 49	20 52		n.a.
M25	23 42	7 35	5 12	23 43	0 34	18 27	1 17	23 57	1 11	22 10	0 56	18 22	1 33	19 29	0 41	23 0	0 10	11 40	7 41	19 8	18 48	20 51		n.a.
T 26	23 43	3 15	5 1	24 3	0 44	18 46	1 15	23 52	1 11	22 11	0 56	18 22	1 33	19 28	0 41	23 0	0 10	11 40	7 40	19 8	18 48	20 50		n.a.
W27	23 43	1n19	4 35	24 21	0 54	19 4	1 12	23 47	1 11	22 13	0 56	18 21	1 33	19 27	0 41	23 0	0 10	11 40	7 40	19 7	18 47	20 50		n.a.
T 28	23 43	5 57	3 54	24 37	1 2	19 22	1 10	23 42	1 11	22 14	0 57	18 20	1 33	19 26	0 41	23 0	0 10	11 40	7 40	19 7	18 46	20 49		n.a.
F 29	23 43	10 26	3 0	24 50	1 10	19 39	1 7	23 37	1 11	22 16	0 57	18 20	1 33	19 25	0 41	23 0	0 10	11 40	7 40	19 7	18 45	20 49		n.a.
S 30	23n42	14n31	1n53	25n 0	1n17	19n56	1s 5	23n32	1n11	22s17	0s57	18s19	1n32	19n24	0n40	22n59	0s10	11s40	7n39	19s 8	18s44	20s48		n.a.

Julian Day Number = 1640488.5, Delta T = 03h36m41s
Ecliptic obliquity = 23°43'14, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'43, Lahiri = - 7°00'42 Julian Calendar 1 June 222 BCE == Greg. Calendar 28 May 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

JULY 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 18 32	3♋39'29	17♉34	0♋ 8	4♊ 7	19♋38	25°R 5	27°R24	7♌ 0	12♋16	24°R23	24°R34	22♏57	27♐ 7	n.a.	S 1
M 2	18 22 28	4°36'52	2♊15	2°14	5°19	20°16	24♑58	27♏21	7° 3	12°18	24♏22	24♏34	22°53	27°14	n.a.	M 2
T 3	18 26 25	5°34'17	17°15	4°19	6°31	20°54	24°51	27°18	7° 6	12°20	24°21	24°32	22°50	27°21	n.a.	T 3
W 4	18 30 21	6°31'42	2♋27	6°24	7°43	21°32	24°44	27°15	7°10	12°22	24°20	24°28	22°47	27°27	n.a.	W 4
T 5	18 34 18	7°29'09	17°40	8°28	8°55	22°10	24°37	27°12	7°13	12°24	24°19	24°23	22°44	27°34	n.a.	T 5
F 6	18 38 15	8°26'36	2♌44	10°31	10° 7	22°48	24°29	27° 9	7°17	12°27	24°17	24°17	22°41	27°41	n.a.	F 6
S 7	18 42 11	9°24'05	17°31	12°34	11°20	23°26	24°22	27° 7	7°20	12°29	24°16	24°10	22°38	27°47	n.a.	S 7
S 8	18 46 8	10°21'34	1♍52	14°34	12°32	24° 4	24°15	27° 4	7°23	12°31	24°16	24° 4	22°34	27°54	n.a.	S 8
M 9	18 50 4	11°19'05	15°46	16°34	13°44	24°42	24° 7	27° 2	7°27	12°33	24°15	24° 0	22°31	28° 1	n.a.	M 9
T 10	18 54 1	12°16'36	29°10	18°32	14°56	25°20	24° 0	26°59	7°30	12°36	24°14	23°57	22°28	28° 7	n.a.	T 10
W11	18 57 57	13°14'08	12♎ 8	20°29	16° 9	25°58	23°52	26°57	7°34	12°38	24°13	23°D56	22°25	28°14	n.a.	W11
T 12	19 1 54	14°11'41	24°42	22°25	17°21	26°36	23°45	26°54	7°37	12°40	24°12	23°57	22°22	28°21	n.a.	T 12
F 13	19 5 50	15° 9'16	6♏59	24°19	18°34	27°14	23°37	26°52	7°41	12°42	24°11	23°58	22°18	28°27	n.a.	F 13
S 14	19 9 47	16° 6'51	19° 1	26°11	19°46	27°52	23°29	26°50	7°44	12°44	24°10	23°R59	22°15	28°34	n.a.	S 14
S 15	19 13 44	17° 4'28	0♐55	28° 3	20°59	28°31	23°22	26°48	7°48	12°47	24° 9	23°59	22°12	28°41	n.a.	S 15
M16	19 17 40	18° 2'06	12°45	29°52	22°11	29° 9	23°14	26°46	7°52	12°49	24° 9	23°57	22° 9	28°47	n.a.	M16
T 17	19 21 37	18°59'45	24°33	1♌40	23°24	29°47	23° 6	26°44	7°55	12°51	24° 8	23°52	22° 6	28°54	n.a.	T 17
W18	19 25 33	19°57'25	6♑23	3°27	24°37	0♌25	22°58	26°42	7°59	12°53	24° 7	23°46	22° 3	29° 1	n.a.	W18
T 19	19 29 30	20°55'07	18°17	5°13	25°50	1° 3	22°50	26°41	8° 2	12°56	24° 7	23°37	21°59	29° 7	n.a.	T 19
F 20	19 33 26	21°52'50	0♒17	6°56	27° 2	1°42	22°42	26°39	8° 6	12°58	24° 6	23°27	21°56	29°14	n.a.	F 20
S 21	19 37 23	22°50'35	12°25	8°39	28°15	2°20	22°35	26°38	8°10	13° 0	24° 5	23°16	21°53	29°21	n.a.	S 21
S 22	19 41 19	23°48'21	24°41	10°20	29°28	2°58	22°27	26°36	8°13	13° 2	24° 5	23° 5	21°50	29°27	n.a.	S 22
M23	19 45 16	24°46'09	7♓ 6	12° 0	0♋41	3°36	22°19	26°35	8°17	13° 4	24° 4	22°56	21°47	29°34	n.a.	M23
T 24	19 49 13	25°43'59	19°43	13°38	1°54	4°15	22°11	26°34	8°21	13° 7	24° 4	22°48	21°43	29°41	n.a.	T 24
W25	19 53 9	26°41'50	2♈33	15°15	3° 7	4°53	22° 3	26°33	8°24	13° 9	24° 3	22°43	21°40	29°47	n.a.	W25
T 26	19 57 6	27°39'44	15°38	16°51	4°21	5°31	21°55	26°32	8°28	13°11	24° 3	22°41	21°37	29°54	n.a.	T 26
F 27	20 1 2	28°37'39	29° 2	18°25	5°34	6°10	21°48	26°31	8°32	13°13	24° 2	22°D40	21°34	0♑ 1	n.a.	F 27
S 28	20 4 59	29°35'36	12♉45	19°58	6°47	6°48	21°40	26°30	8°36	13°15	24° 2	22°40	21°31	0° 7	n.a.	S 28
S 29	20 8 55	0♌33'36	26°50	21°29	8° 0	7°26	21°32	26°29	8°39	13°17	24° 1	22°R41	21°28	0°14	n.a.	S 29
M30	20 12 52	1°31'37	11♊16	22°59	9°14	8° 5	21°24	26°28	8°43	13°20	24° 1	22°39	21°24	0°21	n.a.	M30
T 31	20 16 48	2♌29'41	26♊ 2	24♌28	10♋27	8♌43	21♑17	26♏28	8♌47	13♋22	24♏ 1	22♏36	21♏21	0♑27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	23n40	17n53	0n38	25n 7	1n24	20n12	1s 2	23n26	1n11	22s18	0s57	18s19	1n32	19n24	0n40	22n59	0s10	11s40	7n39	19s 8	18s44	20s48			n.a.
M 2	23 38	20 10	0s42	25 11	1 29	20 28	1 0	23 21	1 11	22 20	0 58	18 18	1 32	19 23	0 40	22 59	0 10	11 40	7 39	19 8	18 43	20 47			n.a.
T 3	23 36	21 6	2 0	25 13	1 34	20 43	0 57	23 15	1 11	22 21	0 58	18 18	1 32	19 22	0 40	22 59	0 10	11 40	7 39	19 8	18 42	20 46			n.a.
W 4	23 33	20 31	3 11	25 12	1 38	20 58	0 54	23 9	1 11	22 23	0 58	18 17	1 32	19 21	0 40	22 59	0 10	11 40	7 38	19 7	18 41	20 46			n.a.
T 5	23 30	18 26	4 8	25 8	1 42	21 12	0 52	23 2	1 11	22 24	0 58	18 17	1 32	19 20	0 40	22 58	0 10	11 40	7 38	19 5	18 40	20 45			n.a.
F 6	23 27	15 7	4 48	25 2	1 44	21 25	0 49	22 56	1 11	22 26	0 58	18 16	1 31	19 19	0 40	22 58	0 10	11 40	7 38	19 4	18 39	20 45			n.a.
S 7	23 23	10 54	5 7	24 53	1 46	21 38	0 46	22 49	1 11	22 27	0 59	18 16	1 31	19 18	0 40	22 58	0 10	11 40	7 37	19 2	18 39	20 44			n.a.
S 8	23 19	6 10	5 6	24 42	1 48	21 51	0 43	22 43	1 11	22 29	0 59	18 15	1 31	19 17	0 40	22 58	0 10	11 40	7 37	19 1	18 38	20 43			n.a.
M 9	23 14	1 17	4 47	24 28	1 48	22 3	0 41	22 36	1 11	22 30	0 59	18 15	1 31	19 16	0 40	22 58	0 10	11 40	7 37	18 59	18 37	20 43			n.a.
T 10	23 9	3s31	4 13	24 12	1 48	22 14	0 38	22 29	1 11	22 32	0 59	18 15	1 31	19 16	0 40	22 57	0 10	11 40	7 37	18 59	18 36	20 42			n.a.
W11	23 3	8 0	3 26	23 55	1 48	22 24	0 35	22 22	1 11	22 33	0 59	18 14	1 30	19 15	0 40	22 57	0 10	11 40	7 36	18 59	18 35	20 42			n.a.
T 12	22 57	12 1	2 31	23 35	1 46	22 34	0 32	22 14	1 11	22 35	0 59	18 14	1 30	19 14	0 40	22 57	0 10	11 40	7 36	18 59	18 35	20 41			n.a.
F 13	22 51	15 25	1 30	23 13	1 45	22 44	0 30	22 7	1 11	22 36	1 0	18 14	1 30	19 13	0 40	22 57	0 10	11 40	7 36	18 59	18 34	20 40			n.a.
S 14	22 44	18 6	0 27	22 50	1 42	22 52	0 27	21 59	1 10	22 38	1 0	18 13	1 30	19 12	0 40	22 57	0 10	11 41	7 35	18 59	18 33	20 40			n.a.
S 15	22 37	19 58	0n37	22 25	1 39	23 0	0 24	21 51	1 10	22 39	1 0	18 13	1 30	19 11	0 40	22 56	0 10	11 41	7 35	18 59	18 32	20 39			n.a.
M16	22 29	20 57	1 39	21 59	1 36	23 8	0 21	21 43	1 10	22 41	1 0	18 13	1 30	19 10	0 40	22 56	0 10	11 41	7 35	18 59	18 31	20 38			n.a.
T 17	22 21	21 0	2 37	21 31	1 32	23 15	0 19	21 35	1 10	22 42	1 0	18 12	1 29	19 9	0 40	22 56	0 10	11 41	7 34	18 58	18 30	20 38			n.a.
W18	22 13	20 7	3 27	21 2	1 28	23 21	0 16	21 26	1 10	22 44	1 0	18 12	1 29	19 8	0 40	22 56	0 10	11 41	7 34	18 56	18 30	20 37			n.a.
T 19	22 4	18 21	4 9	20 33	1 24	23 26	0 13	21 18	1 10	22 45	1 1	18 12	1 29	19 7	0 40	22 56	0 10	11 41	7 34	18 54	18 29	20 36			n.a.
F 20	21 55	15 46	4 40	20 2	1 19	23 31	0 10	21 9	1 10	22 47	1 1	18 12	1 29	19 6	0 40	22 55	0 10	11 41	7 34	18 51	18 28	20 36			n.a.
S 21	21 46	12 30	4 59	19 30	1 14	23 35	0 7	21 0	1 10	22 48	1 1	18 12	1 29	19 5	0 40	22 55	0 9	11 41	7 33	18 48	18 27	20 35			n.a.
S 22	21 36	8 41	5 4	18 57	1 8	23 38	0 5	20 51	1 10	22 50	1 1	18 12	1 28	19 4	0 40	22 55	0 9	11 42	7 33	18 46	18 26	20 34			n.a.
M23	21 25	4 27	4 55	18 23	1 2	23 41	0 2	20 42	1 10	22 51	1 1	18 11	1 28	19 3	0 40	22 55	0 9	11 42	7 33	18 43	18 25	20 34			n.a.
T 24	21 15	0n 2	4 31	17 49	0 56	23 43	0n 1	20 33	1 10	22 53	1 1	18 11	1 28	19 2	0 40	22 55	0 9	11 42	7 32	18 41	18 25	20 33			n.a.
W25	21 4	4 36	3 54	17 14	0 49	23 44	0 3	20 24	1 10	22 54	1 1	18 11	1 28	19 1	0 40	22 54	0 9	11 42	7 32	18 40	18 24	20 32			n.a.
T 26	20 52	9 3	3 4	16 39	0 43	23 45	0 6	20 14	1 9	22 55	1 1	18 11	1 28	19 0	0 40	22 54	0 9	11 42	7 32	18 39	18 23	20 32			n.a.
F 27	20 41	13 10	2 3	16 3	0 36	23 45	0 9	20 4	1 9	22 57	1 2	18 11	1 27	18 59	0 40	22 54	0 9	11 43	7 31	18 39	18 22	20 31			n.a.
S 28	20 28	16 41	0 53	15 27	0 28	23 44	0 11	19 54	1 9	22 58	1 2	18 11	1 27	18 58	0 40	22 54	0 9	11 43	7 31	18 39	18 21	20 30			n.a.
S 29	20 16	19 19	0s22	14 50	0 21	23 43	0 14	19 44	1 9	22 59	1 2	18 11	1 27	18 57	0 40	22 54	0 9	11 43	7 31	18 39	18 20	20 30			n.a.
M30	20 3	20 47	1 37	14 13	0 13	23 40	0 17	19 34	1 9	23 1	1 2	18 11	1 27	18 56	0 40	22 53	0 9	11 43	7 30	18 39	18 20	20 29			n.a.
T 31	19n50	20n52	2s47	13n36	0n 5	23n37	0n19	19n24	1n 9	23s 2	1s 2	18s11	1n27	18n55	0n40	22n53	0s 9	11s44	7n30	18s38	18s19	20s28			n.a.

Julian Day Number = 1640518.5, Delta T = 03h36m40s
Ecliptic obliquity = 23°43'13, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'39, Lahiri = - 7°00'38 Julian Calendar 1 July 222 BCE == Greg. Calendar 27 June 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

AUGUST 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 20 45	3♌27'46	11♋ 0	25♌56	11♋41	9♌22	21°R 9	26°R27	8♌51	13♋24	24°R 0	22°R30	21♏18	0♑34	n.a.	W 1
T 2	20 24 42	4°25'54	26° 4	27°22	12°54	10° 0	21♑ 2	26♏27	8°54	13°26	24♏ 0	22♏21	21°15	0°41	n.a.	T 2
F 3	20 28 38	5°24'03	11♌ 4	28°46	14° 8	10°39	20°54	26°27	8°58	13°28	24° 0	22°11	21°12	0°47	n.a.	F 3
S 4	20 32 35	6°22'14	25°50	0♍ 9	15°21	11°17	20°47	26°26	9° 2	13°30	24° 0	22° 0	21° 9	0°54	n.a.	S 4
S 5	20 36 31	7°20'26	10♍14	1°31	16°35	11°56	20°40	26°D26	9° 6	13°32	23°59	21°50	21° 5	1° 1	n.a.	S 5
M 6	20 40 28	8°18'40	24°12	2°51	17°49	12°34	20°33	26°26	9° 9	13°34	23°59	21°42	21° 2	1° 7	n.a.	M 6
T 7	20 44 24	9°16'56	7♎40	4°10	19° 3	13°13	20°26	26°26	9°13	13°36	23°59	21°36	20°59	1°14	n.a.	T 7
W 8	20 48 21	10°15'14	20°41	5°27	20°16	13°52	20°19	26°27	9°17	13°38	23°59	21°33	20°56	1°21	n.a.	W 8
T 9	20 52 17	11°13'33	3♏18	6°43	21°30	14°30	20°12	26°27	9°21	13°40	23°59	21°31	20°53	1°27	n.a.	T 9
F 10	20 56 14	12°11'54	15°34	7°56	22°44	15° 9	20° 5	26°27	9°24	13°42	23°D59	21°31	20°49	1°34	n.a.	F 10
S 11	21 0 11	13°10'16	27°36	9° 8	23°58	15°48	19°58	26°28	9°28	13°44	23°59	21°31	20°46	1°41	n.a.	S 11
S 12	21 4 7	14° 8'40	9♐29	10°18	25°12	16°26	19°52	26°28	9°32	13°46	23°59	21°30	20°43	1°48	n.a.	S 12
M13	21 8 4	15° 7'06	21°18	11°26	26°26	17° 5	19°45	26°29	9°36	13°48	23°59	21°27	20°40	1°54	n.a.	M13
T 14	21 12 0	16° 5'34	3♑ 7	12°32	27°40	17°44	19°39	26°30	9°39	13°50	23°59	21°21	20°37	2° 1	n.a.	T 14
W15	21 15 57	17° 4'04	15° 0	13°36	28°54	18°23	19°33	26°31	9°43	13°52	23°59	21°13	20°34	2° 8	n.a.	W15
T 16	21 19 53	18° 2'35	27° 1	14°37	0♌ 8	19° 1	19°27	26°32	9°47	13°54	24° 0	21° 2	20°30	2°14	n.a.	T 16
F 17	21 23 50	19° 1'08	9♒10	15°36	1°23	19°40	19°21	26°33	9°51	13°56	24° 0	20°49	20°27	2°21	n.a.	F 17
S 18	21 27 46	19°59'44	21°30	16°32	2°37	20°19	19°15	26°34	9°54	13°58	24° 0	20°35	20°24	2°28	n.a.	S 18
S 19	21 31 43	20°58'21	4♓ 1	17°26	3°51	20°58	19°10	26°35	9°58	14° 0	24° 0	20°22	20°21	2°34	n.a.	S 19
M20	21 35 39	21°57'00	16°43	18°16	5° 5	21°37	19° 4	26°36	10° 2	14° 2	24° 1	20°10	20°18	2°41	n.a.	M20
T 21	21 39 36	22°55'42	29°35	19° 3	6°20	22°16	18°59	26°38	10° 6	14° 4	24° 1	20° 0	20°15	2°48	n.a.	T 21
W22	21 43 33	23°54'26	12♈39	19°46	7°34	22°55	18°54	26°39	10° 9	14° 5	24° 1	19°54	20°11	2°54	n.a.	W22
T 23	21 47 29	24°53'12	25°54	20°25	8°49	23°34	18°49	26°41	10°13	14° 7	24° 2	19°50	20° 8	3° 1	n.a.	T 23
F 24	21 51 26	25°52'00	9♉22	21° 1	10° 3	24°13	18°44	26°43	10°17	14° 9	24° 2	19°48	20° 5	3° 8	n.a.	F 24
S 25	21 55 22	26°50'51	23° 4	21°31	11°18	24°52	18°39	26°45	10°20	14°11	24° 3	19°48	20° 2	3°14	n.a.	S 25
S 26	21 59 19	27°49'44	7♊ 1	21°57	12°32	25°31	18°35	26°47	10°24	14°12	24° 3	19°48	19°59	3°21	n.a.	S 26
M27	22 3 15	28°48'40	21°13	22°18	13°47	26°10	18°30	26°49	10°27	14°14	24° 4	19°46	19°55	3°28	n.a.	M27
T 28	22 7 12	29°47'38	5♋39	22°33	15° 1	26°49	18°26	26°51	10°31	14°16	24° 4	19°43	19°52	3°34	n.a.	T 28
W29	22 11 8	0♍46'39	20°15	22°41	16°16	27°28	18°22	26°53	10°35	14°18	24° 5	19°36	19°49	3°41	n.a.	W29
T 30	22 15 5	1°45'42	4♌57	22°R44	17°31	28° 7	18°19	26°55	10°38	14°19	24° 6	19°28	19°46	3°48	n.a.	T 30
F 31	22 19 2	2♍44'47	19♌38	22♍39	18♌45	28♌47	18♑15	26♏58	10♌42	14♋21	24♏ 6	19♏17	19♏43	3♑54	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	19n37	19n29	3s47	12n59	0s 3	23n34	0n22	19n13	1n 9	23s 3	1s 2	18s11	1n26	18n54	0n40	22n53	0s 9	11s44	7n30	18s37	18s18	20s27			n.a.
T 2	19 23	16 45	4 31	12 22	0 11	23 29	0 24	19 3	1 9	23 5	1 2	18 12	1 26	18 53	0 40	22 53	0 9	11 44	7 29	18 34	18 17	20 27			n.a.
F 3	19 8	12 54	4 56	11 44	0 19	23 24	0 27	18 52	1 8	23 6	1 2	18 12	1 26	18 52	0 40	22 52	0 9	11 44	7 29	18 32	18 16	20 26			n.a.
S 4	18 54	8 20	5 1	11 7	0 27	23 18	0 29	18 41	1 8	23 7	1 2	18 12	1 26	18 51	0 40	22 52	0 9	11 45	7 29	18 29	18 15	20 25			n.a.
S 5	18 39	3 24	4 47	10 30	0 36	23 12	0 32	18 30	1 8	23 8	1 2	18 12	1 25	18 50	0 40	22 52	0 9	11 45	7 28	18 26	18 14	20 25			n.a.
M 6	18 24	1s34	4 15	9 53	0 45	23 5	0 34	18 19	1 8	23 9	1 2	18 12	1 25	18 49	0 40	22 52	0 9	11 45	7 28	18 24	18 14	20 24			n.a.
T 7	18 9	6 17	3 30	9 16	0 53	22 57	0 36	18 8	1 8	23 10	1 2	18 12	1 25	18 48	0 40	22 52	0 9	11 45	7 28	18 23	18 13	20 23			n.a.
W 8	17 53	10 34	2 36	8 40	1 2	22 48	0 39	17 56	1 8	23 12	1 2	18 13	1 25	18 47	0 40	22 51	0 9	11 46	7 27	18 22	18 12	20 22			n.a.
T 9	17 37	14 15	1 35	8 3	1 11	22 39	0 41	17 45	1 8	23 13	1 3	18 13	1 25	18 46	0 40	22 51	0 9	11 46	7 27	18 21	18 11	20 22			n.a.
F 10	17 20	17 12	0 32	7 28	1 20	22 29	0 43	17 33	1 7	23 14	1 3	18 13	1 24	18 45	0 40	22 51	0 9	11 46	7 27	18 21	18 10	20 21			n.a.
S 11	17 4	19 20	0n32	6 52	1 28	22 19	0 45	17 22	1 7	23 15	1 3	18 14	1 24	18 44	0 40	22 51	0 9	11 47	7 26	18 21	18 9	20 20			n.a.
S 12	16 47	20 35	1 34	6 18	1 37	22 7	0 47	17 10	1 7	23 16	1 3	18 14	1 24	18 43	0 40	22 51	0 9	11 47	7 26	18 21	18 9	20 19			n.a.
M13	16 29	20 55	2 31	5 43	1 46	21 55	0 49	16 58	1 7	23 17	1 3	18 14	1 24	18 42	0 40	22 50	0 9	11 47	7 26	18 20	18 8	20 19			n.a.
T 14	16 12	20 20	3 21	5 10	1 55	21 43	0 52	16 45	1 7	23 18	1 3	18 15	1 24	18 41	0 40	22 50	0 9	11 48	7 25	18 19	18 7	20 18			n.a.
W15	15 54	18 50	4 3	4 37	2 4	21 30	0 54	16 33	1 7	23 19	1 3	18 15	1 23	18 40	0 40	22 50	0 9	11 48	7 25	18 17	18 6	20 17			n.a.
T 16	15 36	16 31	4 34	4 6	2 12	21 16	0 55	16 21	1 7	23 20	1 3	18 15	1 23	18 39	0 40	22 50	0 9	11 49	7 25	18 14	18 5	20 16			n.a.
F 17	15 18	13 27	4 54	3 35	2 21	21 1	0 57	16 8	1 6	23 20	1 3	18 16	1 23	18 38	0 40	22 50	0 9	11 49	7 24	18 10	18 4	20 16			n.a.
S 18	14 59	9 46	5 0	3 5	2 29	20 46	0 59	15 56	1 6	23 21	1 3	18 16	1 23	18 37	0 40	22 50	0 9	11 49	7 24	18 6	18 3	20 15			n.a.
S 19	14 40	5 38	4 52	2 37	2 38	20 30	1 1	15 43	1 6	23 22	1 3	18 17	1 23	18 36	0 40	22 49	0 9	11 50	7 24	18 3	18 3	20 14			n.a.
M20	14 21	1 11	4 29	2 9	2 46	20 14	1 3	15 30	1 6	23 23	1 3	18 17	1 22	18 35	0 40	22 49	0 9	11 50	7 23	18 0	18 2	20 13			n.a.
T 21	14 2	3n23	3 52	1 44	2 53	19 57	1 4	15 17	1 6	23 24	1 3	18 18	1 22	18 34	0 40	22 49	0 9	11 51	7 23	17 57	18 1	20 12			n.a.
W22	13 43	7 51	3 3	1 20	3 1	19 39	1 6	15 4	1 6	23 24	1 3	18 19	1 22	18 33	0 40	22 49	0 9	11 51	7 23	17 55	18 0	20 12			n.a.
T 23	13 23	12 1	2 3	0 58	3 8	19 21	1 8	14 51	1 5	23 25	1 3	18 19	1 22	18 32	0 40	22 49	0 9	11 51	7 22	17 54	17 59	20 11			n.a.
F 24	13 3	15 39	0 55	0 38	3 15	19 3	1 9	14 38	1 5	23 26	1 3	18 20	1 22	18 31	0 40	22 48	0 9	11 52	7 22	17 54	17 58	20 10			n.a.
S 25	12 43	18 29	0s17	0 20	3 21	18 43	1 11	14 24	1 5	23 26	1 3	18 20	1 21	18 30	0 40	22 48	0 9	11 52	7 21	17 54	17 57	20 9			n.a.
S 26	12 22	20 16	1 30	0 4	3 27	18 24	1 12	14 11	1 5	23 27	1 3	18 21	1 21	18 29	0 40	22 48	0 9	11 53	7 21	17 54	17 57	20 8			n.a.
M27	12 1	20 48	2 38	0s 9	3 32	18 3	1 13	13 57	1 5	23 27	1 3	18 22	1 21	18 28	0 40	22 48	0 9	11 53	7 21	17 53	17 56	20 8			n.a.
T 28	11 41	19 59	3 37	0 19	3 36	17 42	1 15	13 44	1 4	23 28	1 3	18 22	1 21	18 27	0 40	22 48	0 9	11 54	7 20	17 52	17 55	20 7			n.a.
W29	11 20	17 50	4 23	0 26	3 40	17 21	1 16	13 30	1 4	23 29	1 3	18 23	1 21	18 26	0 41	22 48	0 9	11 54	7 20	17 50	17 54	20 6			n.a.
T 30	10 58	14 32	4 52	0 29	3 42	16 59	1 17	13 16	1 4	23 29	1 3	18 24	1 20	18 25	0 41	22 47	0 9	11 55	7 20	17 48	17 53	20 5			n.a.
F 31	10n37	10n20	5s 1	0s28	3s44	16n37	1n18	13n 2	1n 4	23s30	1s 2	18s25	1n20	18n24	0n41	22n47	0s 9	11s55	7n19	17s45	17s52	20s 4			n.a.

Julian Day Number = 1640549.5, Delta T = 03h36m39s
Ecliptic obliquity = 23°43'13, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'34, Lahiri = - 7°00'34 Julian Calendar 1 Aug. 222 BCE == Greg. Calendar 28 July 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

SEPTEMBER 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 22 58	3♍43'54	4♍ 8	22°R27	20♌ 0	29♌26	18°R12	27♏ 0	10♌45	14♋22	24♏ 7	19°R 5	19♏40	4♑ 1	n.a.	S 1
S 2	22 26 55	4°43'04	18°22	22♍ 8	21°15	0♍ 5	18♑ 8	27° 3	10°49	14°24	24° 8	18♏54	19°36	4° 8	n.a.	S 2
M 3	22 30 51	5°42'15	2♎14	21°41	22°30	0°44	18° 5	27° 5	10°52	14°26	24° 8	18°45	19°33	4°15	n.a.	M 3
T 4	22 34 48	6°41'29	15°41	21° 6	23°45	1°24	18° 2	27° 8	10°56	14°27	24° 9	18°38	19°30	4°21	n.a.	T 4
W 5	22 38 44	7°40'44	28°42	20°24	25° 0	2° 3	18° 0	27°11	10°59	14°29	24°10	18°34	19°27	4°28	n.a.	W 5
T 6	22 42 41	8°40'01	11♏20	19°34	26°15	2°42	17°57	27°14	11° 3	14°30	24°11	18°33	19°24	4°35	n.a.	T 6
F 7	22 46 37	9°39'21	23°39	18°37	27°29	3°22	17°55	27°17	11° 6	14°31	24°12	18°D33	19°20	4°41	n.a.	F 7
S 8	22 50 34	10°38'42	5♐42	17°34	28°44	4° 1	17°53	27°20	11°10	14°33	24°13	18°R33	19°17	4°48	n.a.	S 8
S 9	22 54 30	11°38'05	17°36	16°27	29°59	4°40	17°51	27°23	11°13	14°34	24°14	18°33	19°14	4°55	n.a.	S 9
M10	22 58 27	12°37'30	29°26	15°17	1♍14	5°20	17°49	27°26	11°16	14°36	24°14	18°31	19°11	5° 1	n.a.	M10
T 11	23 2 24	13°36'57	11♑17	14° 5	2°29	5°59	17°48	27°30	11°20	14°37	24°15	18°28	19° 8	5° 8	n.a.	T 11
W12	23 6 20	14°36'26	23°13	12°54	3°45	6°39	17°46	27°33	11°23	14°38	24°17	18°21	19° 5	5°15	n.a.	W12
T 13	23 10 17	15°35'56	5♒19	11°45	5° 0	7°18	17°45	27°37	11°26	14°40	24°18	18°13	19° 1	5°21	n.a.	T 13
F 14	23 14 13	16°35'29	17°38	10°41	6°15	7°58	17°45	27°40	11°30	14°41	24°19	18° 3	18°58	5°28	n.a.	F 14
S 15	23 18 10	17°35'04	0♓10	9°43	7°30	8°38	17°44	27°44	11°33	14°42	24°20	17°51	18°55	5°35	n.a.	S 15
S 16	23 22 6	18°34'40	12°57	8°54	8°45	9°17	17°43	27°48	11°36	14°43	24°21	17°40	18°52	5°41	n.a.	S 16
M17	23 26 3	19°34'19	25°58	8°14	10° 0	9°57	17°43	27°52	11°39	14°44	24°22	17°31	18°49	5°48	n.a.	M17
T 18	23 29 59	20°34'00	9♈12	7°44	11°15	10°37	17°D43	27°56	11°42	14°46	24°23	17°23	18°46	5°55	n.a.	T 18
W19	23 33 56	21°33'42	22°38	7°25	12°31	11°16	17°43	28° 0	11°46	14°47	24°25	17°18	18°42	6° 1	n.a.	W19
T 20	23 37 53	22°33'28	6♉14	7°D18	13°46	11°56	17°43	28° 4	11°49	14°48	24°26	17°15	18°39	6° 8	n.a.	T 20
F 21	23 41 49	23°33'15	19°59	7°21	15° 1	12°36	17°44	28° 8	11°52	14°49	24°27	17°D15	18°36	6°15	n.a.	F 21
S 22	23 45 46	24°33'05	3♊52	7°36	16°16	13°16	17°45	28°12	11°55	14°50	24°28	17°15	18°33	6°22	n.a.	S 22
S 23	23 49 42	25°32'58	17°51	8° 1	17°32	13°56	17°45	28°17	11°58	14°51	24°30	17°16	18°30	6°28	n.a.	S 23
M24	23 53 39	26°32'52	1♋58	8°35	18°47	14°35	17°47	28°21	12° 1	14°52	24°31	17°R16	18°26	6°35	n.a.	M24
T 25	23 57 35	27°32'49	16°10	9°18	20° 2	15°15	17°48	28°25	12° 4	14°53	24°32	17°15	18°23	6°42	n.a.	T 25
W26	0 1 32	28°32'49	0♌25	10°10	21°18	15°55	17°49	28°30	12° 7	14°54	24°34	17°11	18°20	6°48	n.a.	W26
T 27	0 5 28	29°32'50	14°41	11° 8	22°33	16°35	17°51	28°35	12° 9	14°55	24°35	17° 5	18°17	6°55	n.a.	T 27
F 28	0 9 25	0♎32'54	28°54	12°13	23°48	17°15	17°53	28°39	12°12	14°55	24°37	16°58	18°14	7° 2	n.a.	F 28
S 29	0 13 22	1°33'00	12♍58	13°23	25° 4	17°55	17°55	28°44	12°15	14°56	24°38	16°50	18°11	7° 8	n.a.	S 29
S 30	0 17 18	2♎33'08	26♍49	14♍38	26♍19	18♍35	17♑57	28♏49	12♌18	14♋57	24♏40	16♏43	18♏ 7	7♑15	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n15	5n36	4s51	0s24	3s44	16n14	1n19	12n48	1n 4	23s30	1s 2	18s25	1n20	18n23	0n41	22n47	0s 9	11s56	7n19	17s42	17s51	20s 3		n.a.
S 2	9 54	0 38	4 23	0 15	3 43	15 51	1 20	12 34	1 3	23 30	1 2	18 26	1 20	18 22	0 41	22 47	0 9	11 56	7 19	17 39	17 50	20 3		n.a.
M 3	9 32	4s15	3 40	0 2	3 41	15 27	1 21	12 19	1 3	23 31	1 2	18 27	1 20	18 22	0 41	22 47	0 9	11 57	7 18	17 36	17 50	20 2		n.a.
T 4	9 10	8 46	2 45	0n15	3 37	15 3	1 22	12 5	1 3	23 31	1 2	18 28	1 19	18 21	0 41	22 47	0 9	11 57	7 18	17 34	17 49	20 1		n.a.
W 5	8 47	12 45	1 43	0 38	3 31	14 38	1 23	11 51	1 3	23 31	1 2	18 29	1 19	18 20	0 41	22 46	0 9	11 58	7 18	17 33	17 48	20 0		n.a.
T 6	8 25	16 1	0 38	1 4	3 23	14 13	1 23	11 36	1 2	23 32	1 2	18 29	1 19	18 19	0 41	22 46	0 9	11 58	7 17	17 33	17 47	19 59		n.a.
F 7	8 2	18 28	0n27	1 36	3 13	13 48	1 24	11 21	1 2	23 32	1 2	18 30	1 19	18 18	0 41	22 46	0 9	11 59	7 17	17 33	17 46	19 58		n.a.
S 8	7 40	20 2	1 30	2 11	3 1	13 22	1 24	11 7	1 2	23 32	1 2	18 31	1 19	18 17	0 41	22 46	0 9	11 59	7 17	17 33	17 45	19 58		n.a.
S 9	7 17	20 40	2 28	2 50	2 48	12 56	1 25	10 52	1 2	23 32	1 2	18 32	1 18	18 16	0 41	22 46	0 9	12 0	7 16	17 33	17 44	19 57		n.a.
M10	6 54	20 23	3 20	3 32	2 32	12 29	1 25	10 37	1 1	23 32	1 2	18 33	1 18	18 15	0 41	22 46	0 9	12 0	7 16	17 32	17 43	19 56		n.a.
T 11	6 31	19 12	4 3	4 16	2 15	12 2	1 26	10 22	1 1	23 33	1 2	18 34	1 18	18 14	0 41	22 46	0 9	12 1	7 16	17 31	17 43	19 55		n.a.
W12	6 8	17 10	4 35	5 0	1 57	11 35	1 26	10 7	1 1	23 33	1 2	18 35	1 18	18 13	0 41	22 45	0 9	12 1	7 16	17 30	17 42	19 54		n.a.
T 13	5 45	14 22	4 56	5 45	1 37	11 8	1 26	9 52	1 1	23 33	1 2	18 36	1 18	18 12	0 41	22 45	0 9	12 2	7 15	17 27	17 41	19 53		n.a.
F 14	5 21	10 55	5 4	6 28	1 17	10 40	1 26	9 37	1 1	23 33	1 2	18 37	1 17	18 11	0 41	22 45	0 9	12 2	7 15	17 24	17 40	19 52		n.a.
S 15	4 58	6 55	4 57	7 9	0 56	10 12	1 27	9 22	1 0	23 33	1 2	18 38	1 17	18 11	0 41	22 45	0 9	12 3	7 15	17 21	17 39	19 51		n.a.
S 16	4 34	2 33	4 35	7 46	0 36	9 43	1 27	9 6	1 0	23 33	1 2	18 39	1 17	18 10	0 41	22 45	0 9	12 4	7 14	17 18	17 38	19 51		n.a.
M17	4 11	2n 2	3 59	8 20	0 16	9 14	1 27	8 51	1 0	23 33	1 1	18 40	1 17	18 9	0 41	22 45	0 9	12 4	7 14	17 15	17 37	19 50		n.a.
T 18	3 47	6 35	3 9	8 49	0n 3	8 45	1 26	8 35	0 59	23 33	1 1	18 41	1 17	18 8	0 41	22 45	0 9	12 5	7 14	17 13	17 36	19 49		n.a.
W19	3 23	10 53	2 8	9 13	0 21	8 16	1 26	8 20	0 59	23 33	1 1	18 42	1 17	18 7	0 41	22 45	0 9	12 5	7 13	17 12	17 36	19 48		n.a.
T 20	2 59	14 41	0 59	9 31	0 38	7 47	1 26	8 4	0 59	23 33	1 1	18 43	1 16	18 6	0 41	22 44	0 9	12 6	7 13	17 11	17 35	19 47		n.a.
F 21	2 35	17 42	0s15	9 44	0 53	7 17	1 26	7 49	0 59	23 32	1 1	18 44	1 16	18 5	0 41	22 44	0 9	12 7	7 13	17 11	17 34	19 46		n.a.
S 22	2 11	19 44	1 28	9 51	1 7	6 47	1 25	7 33	0 58	23 32	1 1	18 45	1 16	18 5	0 41	22 44	0 9	12 7	7 12	17 11	17 33	19 45		n.a.
S 23	1 47	20 33	2 37	9 53	1 19	6 17	1 25	7 17	0 58	23 32	1 1	18 47	1 16	18 4	0 41	22 44	0 9	12 8	7 12	17 11	17 32	19 44		n.a.
M24	1 23	20 5	3 37	9 50	1 30	5 47	1 25	7 1	0 58	23 32	1 1	18 48	1 16	18 3	0 41	22 44	0 9	12 8	7 12	17 11	17 31	19 43		n.a.
T 25	0 59	18 22	4 24	9 42	1 39	5 16	1 24	6 46	0 58	23 32	1 1	18 49	1 16	18 2	0 41	22 44	0 9	12 9	7 12	17 11	17 30	19 42		n.a.
W26	0 35	15 30	4 55	9 29	1 46	4 46	1 23	6 30	0 57	23 31	1 1	18 50	1 15	18 1	0 41	22 44	0 9	12 10	7 11	17 10	17 29	19 42		n.a.
T 27	0 11	11 43	5 7	9 13	1 53	4 15	1 23	6 14	0 57	23 31	1 1	18 51	1 15	18 1	0 41	22 44	0 9	12 10	7 11	17 8	17 28	19 41		n.a.
F 28	0s13	7 17	5 1	8 52	1 58	3 44	1 22	5 58	0 57	23 31	1 1	18 52	1 15	18 0	0 41	22 44	0 9	12 11	7 11	17 6	17 28	19 40		n.a.
S 29	0 37	2 31	4 37	8 28	2 2	3 13	1 21	5 41	0 56	23 30	1 0	18 54	1 15	17 59	0 41	22 44	0 9	12 11	7 10	17 4	17 27	19 39		n.a.
S 30	1s 2	2s20	3s56	8n 1	2n 4	2n42	1n20	5n25	0n56	23s30	1s 0	18s55	1n15	17n58	0n41	22n43	0s 9	12s12	7n10	17s 2	17s26	19s38		n.a.

Julian Day Number = 1640580.5, Delta T = 03h36m38s
Ecliptic obliquity = 23°43'14, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'30, Lahiri = - 7°00'30 Julian Calendar 1 Sept. 222 BCE == Greg. Calendar 28 Aug. 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

OCTOBER 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 21 15	3♎33'17	10♎23	15♍57	27♍35	19♍15	18♑ 0	28♏54	12♌20	14♋58	24♏41	16°R37	18♏ 4	7♑22	n.a.	M 1
T 2	0 25 11	4°33'29	23°38	17°20	28°50	19°56	18° 3	28°59	12°23	14°58	24°43	16♏32	18° 1	7°28	n.a.	T 2
W 3	0 29 8	5°33'43	6♏33	18°45	0♎ 5	20°36	18° 6	29° 4	12°26	14°59	24°45	16°30	17°58	7°35	n.a.	W 3
T 4	0 33 4	6°33'58	19° 8	20°13	1°21	21°16	18° 9	29° 9	12°28	15° 0	24°46	16°D30	17°55	7°42	n.a.	T 4
F 5	0 37 1	7°34'15	1♐26	21°43	2°36	21°56	18°12	29°14	12°31	15° 0	24°48	16°30	17°52	7°49	n.a.	F 5
S 6	0 40 57	8°34'34	13°30	23°15	3°52	22°36	18°15	29°19	12°33	15° 1	24°49	16°32	17°48	7°55	n.a.	S 6
S 7	0 44 54	9°34'55	25°26	24°48	5° 7	23°17	18°19	29°24	12°36	15° 1	24°51	16°34	17°45	8° 2	n.a.	S 7
M 8	0 48 50	10°35'16	7♑16	26°22	6°23	23°57	18°23	29°30	12°38	15° 2	24°53	16°R35	17°42	8° 9	n.a.	M 8
T 9	0 52 47	11°35'40	19° 8	27°57	7°38	24°37	18°27	29°35	12°41	15° 2	24°55	16°34	17°39	8°15	n.a.	T 9
W10	0 56 44	12°36'05	1♒ 5	29°32	8°54	25°18	18°31	29°41	12°43	15° 3	24°56	16°33	17°36	8°22	n.a.	W10
T 11	1 0 40	13°36'31	13°13	1♎ 8	10° 9	25°58	18°36	29°46	12°45	15° 3	24°58	16°29	17°32	8°29	n.a.	T 11
F 12	1 4 37	14°36'59	25°35	2°45	11°25	26°39	18°40	29°52	12°47	15° 4	25° 0	16°25	17°29	8°35	n.a.	F 12
S 13	1 8 33	15°37'29	8♓14	4°21	12°40	27°19	18°45	29°57	12°50	15° 4	25° 2	16°20	17°26	8°42	n.a.	S 13
S 14	1 12 30	16°38'00	21°12	5°58	13°56	28° 0	18°50	0♐ 3	12°52	15° 4	25° 4	16°14	17°23	8°49	n.a.	S 14
M15	1 16 26	17°38'32	4♈30	7°34	15°11	28°40	18°55	0° 9	12°54	15° 5	25° 5	16°10	17°20	8°55	n.a.	M15
T 16	1 20 23	18°39'06	18° 5	9°11	16°27	29°21	19° 1	0°15	12°56	15° 5	25° 7	16° 6	17°17	9° 2	n.a.	T 16
W17	1 24 19	19°39'42	1♉57	10°48	17°42	0♎ 1	19° 6	0°21	12°58	15° 5	25° 9	16° 4	17°13	9° 9	n.a.	W17
T 18	1 28 16	20°40'19	16° 0	12°24	18°58	0°42	19°12	0°26	13° 0	15° 5	25°11	16°D 4	17°10	9°16	n.a.	T 18
F 19	1 32 13	21°40'58	0♊12	14° 1	20°13	1°22	19°18	0°32	13° 2	15° 5	25°13	16° 4	17° 7	9°22	n.a.	F 19
S 20	1 36 9	22°41'39	14°28	15°37	21°29	2° 3	19°24	0°38	13° 4	15° 5	25°15	16° 5	17° 4	9°29	n.a.	S 20
S 21	1 40 6	23°42'21	28°45	17°13	22°45	2°44	19°30	0°44	13° 6	15° 5	25°17	16° 7	17° 1	9°36	n.a.	S 21
M22	1 44 2	24°43'06	13♋ 0	18°49	24° 0	3°25	19°36	0°50	13° 7	15°R 6	25°19	16° 8	16°57	9°42	n.a.	M22
T 23	1 47 59	25°43'52	27°10	20°25	25°16	4° 5	19°43	0°57	13° 9	15° 5	25°21	16°R 8	16°54	9°49	n.a.	T 23
W24	1 51 55	26°44'40	11♌14	22° 0	26°31	4°46	19°49	1° 3	13°11	15° 5	25°23	16° 8	16°51	9°56	n.a.	W24
T 25	1 55 52	27°45'29	25°11	23°36	27°47	5°27	19°56	1° 9	13°12	15° 5	25°25	16° 6	16°48	10° 2	n.a.	T 25
F 26	1 59 48	28°46'20	8♍57	25°11	29° 2	6° 8	20° 3	1°15	13°14	15° 5	25°27	16° 4	16°45	10° 9	n.a.	F 26
S 27	2 3 45	29°47'13	22°33	26°46	0♏18	6°49	20°10	1°22	13°15	15° 5	25°29	16° 2	16°42	10°16	n.a.	S 27
S 28	2 7 42	0♏48'07	5♎56	28°21	1°33	7°30	20°18	1°28	13°17	15° 5	25°31	15°59	16°38	10°22	n.a.	S 28
M29	2 11 38	1°49'02	19° 6	29°56	2°49	8°11	20°25	1°34	13°18	15° 5	25°33	15°58	16°35	10°29	n.a.	M29
T 30	2 15 35	2°49'59	2♏ 1	1♏30	4° 5	8°52	20°33	1°41	13°20	15° 4	25°35	15°56	16°32	10°36	n.a.	T 30
W31	2 19 31	3♏50'57	14♏41	3♏ 5	5♏20	9♎33	20♑40	1♐47	13♌21	15♋ 4	25♏37	15°D56	16♏29	10♑43	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	1s26	6s58	3s 3	7n32	2n 6	2n11	1n19	5n 9	0n56	23s29	1s 0	18s56	1n15	17n58	0n41	22n43	0s 9	12s13	7n10	17s 0	17s25	19s37			n.a.
T 2	1 50	11 9	2 1	7 0	2 7	1 40	1 18	4 53	0 55	23 29	1 0	18 57	1 14	17 57	0 41	22 43	0 9	12 13	7 10	16 59	17 24	19 36			n.a.
W 3	2 14	14 42	0 54	6 26	2 6	1 9	1 17	4 37	0 55	23 28	1 0	18 59	1 14	17 56	0 41	22 43	0 9	12 14	7 9	16 58	17 23	19 35			n.a.
T 4	2 38	17 29	0n14	5 50	2 5	0 37	1 16	4 20	0 55	23 28	1 0	19 0	1 14	17 55	0 41	22 43	0 9	12 15	7 9	16 58	17 22	19 34			n.a.
F 5	3 2	19 23	1 20	5 13	2 4	0 6	1 15	4 4	0 54	23 27	1 0	19 1	1 14	17 55	0 41	22 43	0 9	12 15	7 9	16 58	17 21	19 33			n.a.
S 6	3 26	20 21	2 22	4 34	2 1	0s26	1 14	3 48	0 54	23 27	1 0	19 2	1 14	17 54	0 42	22 43	0 9	12 16	7 8	16 59	17 20	19 32			n.a.
S 7	3 50	20 22	3 16	3 54	1 59	0 57	1 13	3 31	0 54	23 26	1 0	19 4	1 14	17 53	0 42	22 43	0 9	12 17	7 8	16 59	17 19	19 31			n.a.
M 8	4 14	19 29	4 2	3 13	1 55	1 28	1 11	3 15	0 53	23 26	1 0	19 5	1 13	17 53	0 42	22 43	0 9	12 17	7 8	16 59	17 19	19 30			n.a.
T 9	4 38	17 46	4 37	2 31	1 51	2 0	1 10	2 58	0 53	23 25	1 0	19 6	1 13	17 52	0 42	22 43	0 9	12 18	7 8	16 59	17 18	19 29			n.a.
W10	5 2	15 15	5 1	1 49	1 47	2 31	1 8	2 42	0 53	23 24	0 59	19 8	1 13	17 51	0 42	22 43	0 9	12 19	7 7	16 59	17 17	19 28			n.a.
T 11	5 26	12 4	5 12	1 6	1 43	3 3	1 7	2 25	0 52	23 24	0 59	19 9	1 13	17 51	0 42	22 43	0 9	12 19	7 7	16 58	17 16	19 27			n.a.
F 12	5 50	8 18	5 8	0 23	1 38	3 34	1 5	2 9	0 52	23 23	0 59	19 10	1 13	17 50	0 42	22 43	0 9	12 20	7 7	16 56	17 15	19 26			n.a.
S 13	6 13	4 6	4 50	0s20	1 32	4 5	1 4	1 52	0 52	23 22	0 59	19 12	1 13	17 50	0 42	22 43	0 9	12 21	7 7	16 55	17 14	19 25			n.a.
S 14	6 37	0n24	4 17	1 4	1 27	4 36	1 2	1 35	0 51	23 21	0 59	19 13	1 13	17 49	0 42	22 43	0 9	12 21	7 6	16 53	17 13	19 24			n.a.
M15	7 0	4 59	3 28	1 48	1 21	5 7	1 1	1 19	0 51	23 20	0 59	19 14	1 12	17 48	0 42	22 43	0 9	12 22	7 6	16 52	17 12	19 23			n.a.
T 16	7 24	9 27	2 28	2 32	1 15	5 38	0 59	1 2	0 51	23 20	0 59	19 16	1 12	17 48	0 42	22 43	0 9	12 23	7 6	16 51	17 11	19 22			n.a.
W17	7 47	13 29	1 17	3 16	1 9	6 9	0 57	0 46	0 50	23 19	0 59	19 17	1 12	17 47	0 42	22 43	0 9	12 23	7 6	16 50	17 10	19 21			n.a.
T 18	8 10	16 50	0 0	3 59	1 3	6 40	0 55	0 29	0 50	23 18	0 59	19 19	1 12	17 47	0 42	22 43	0 9	12 24	7 6	16 50	17 10	19 20			n.a.
F 19	8 33	19 11	1s17	4 43	0 57	7 10	0 54	0 12	0 50	23 17	0 59	19 20	1 12	17 46	0 42	22 43	0 9	12 25	7 5	16 50	17 9	19 19			n.a.
S 20	8 56	20 19	2 30	5 27	0 50	7 41	0 52	0s 5	0 49	23 16	0 59	19 21	1 12	17 46	0 42	22 43	0 9	12 25	7 5	16 51	17 8	19 18			n.a.
S 21	9 18	20 9	3 34	6 10	0 44	8 11	0 50	0 21	0 49	23 15	0 58	19 23	1 12	17 45	0 42	22 43	0 9	12 26	7 5	16 51	17 7	19 17			n.a.
M22	9 41	18 41	4 24	6 53	0 37	8 41	0 48	0 38	0 48	23 14	0 58	19 24	1 12	17 45	0 42	22 43	0 9	12 27	7 5	16 52	17 6	19 16			n.a.
T 23	10 3	16 5	4 58	7 35	0 31	9 11	0 46	0 55	0 48	23 13	0 58	19 25	1 11	17 44	0 42	22 43	0 9	12 27	7 4	16 52	17 5	19 15			n.a.
W24	10 26	12 34	5 14	8 18	0 24	9 40	0 44	1 11	0 48	23 12	0 58	19 27	1 11	17 44	0 42	22 43	0 9	12 28	7 4	16 51	17 4	19 14			n.a.
T 25	10 48	8 23	5 12	9 0	0 18	10 10	0 42	1 28	0 47	23 11	0 58	19 28	1 11	17 43	0 42	22 43	0 9	12 29	7 4	16 51	17 3	19 13			n.a.
F 26	11 10	3 49	4 51	9 41	0 11	10 39	0 40	1 45	0 47	23 10	0 58	19 30	1 11	17 43	0 42	22 43	0 9	12 29	7 4	16 50	17 2	19 12			n.a.
S 27	11 32	0s53	4 14	10 22	0 4	11 8	0 37	2 2	0 46	23 8	0 58	19 31	1 11	17 43	0 42	22 43	0 9	12 30	7 4	16 50	17 1	19 11			n.a.
S 28	11 53	5 30	3 24	11 3	0s 2	11 36	0 35	2 18	0 46	23 7	0 58	19 32	1 11	17 42	0 42	22 43	0 9	12 31	7 3	16 49	17 0	19 10			n.a.
M29	12 15	9 46	2 23	11 43	0 9	12 4	0 33	2 35	0 46	23 6	0 58	19 34	1 11	17 42	0 42	22 43	0 9	12 31	7 3	16 49	16 59	19 9			n.a.
T 30	12 36	13 30	1 16	12 23	0 15	12 32	0 31	2 52	0 45	23 5	0 58	19 35	1 11	17 42	0 42	22 43	0 9	12 32	7 3	16 48	16 59	19 8			n.a.
W31	12s57	16s33	0s 7	13s 2	0s22	13s 0	0n29	3s 9	0n45	23s 3	0s58	19s37	1n10	17n41	0n43	22n43	0s 9	12s33	7n 3	16s48	16s58	19s 7			n.a.

Julian Day Number = 1640610.5, Delta T = 03h36m37s
Ecliptic obliquity = 23°43'14, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'26, Lahiri = - 7°00'26 Julian Calendar 1 Oct. 222 BCE == Greg. Calendar 27 Sept. 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

NOVEMBER 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 23 28	4♏51'56	27♏ 7	4♏39	6♏36	10♎14	20♑48	1♐54	13♌22	15°R 4	25♏39	15♏56	16♏26	10♑49	n.a.	T 1
F 2	2 27 24	5°52'56	9♐20	6°14	7°51	10°55	20°56	2° 0	13°23	15♋ 4	25°42	15°57	16°23	10°56	n.a.	F 2
S 3	2 31 21	6°53'58	21°22	7°48	9° 7	11°37	21° 5	2° 7	13°25	15° 3	25°44	15°58	16°19	11° 3	n.a.	S 3
S 4	2 35 17	7°55'00	3♑17	9°22	10°22	12°18	21°13	2°13	13°26	15° 3	25°46	15°59	16°16	11° 9	n.a.	S 4
M 5	2 39 14	8°56'03	15° 8	10°57	11°38	12°59	21°22	2°20	13°27	15° 2	25°48	16° 0	16°13	11°16	n.a.	M 5
T 6	2 43 11	9°57'06	26°58	12°31	12°53	13°40	21°30	2°27	13°28	15° 2	25°50	16° 0	16°10	11°23	n.a.	T 6
W 7	2 47 7	10°58'10	8♒54	14° 5	14° 9	14°22	21°39	2°33	13°29	15° 1	25°52	16°R 0	16° 7	11°29	n.a.	W 7
T 8	2 51 4	11°59'15	21° 0	15°39	15°24	15° 3	21°48	2°40	13°29	15° 1	25°54	16° 0	16° 3	11°36	n.a.	T 8
F 9	2 55 0	13° 0'21	3♓19	17°14	16°40	15°44	21°57	2°47	13°30	15° 0	25°57	16° 0	16° 0	11°43	n.a.	F 9
S 10	2 58 57	14° 1'27	15°57	18°48	17°56	16°26	22° 6	2°54	13°31	15° 0	25°59	16° 0	15°57	11°50	n.a.	S 10
S 11	3 2 53	15° 2'33	28°57	20°22	19°11	17° 7	22°16	3° 0	13°32	14°59	26° 1	16° 0	15°54	11°56	n.a.	S 11
M12	3 6 50	16° 3'41	12♈21	21°57	20°27	17°48	22°25	3° 7	13°32	14°58	26° 3	16°D 0	15°51	12° 3	n.a.	M12
T 13	3 10 46	17° 4'48	26° 8	23°31	21°42	18°30	22°35	3°14	13°33	14°58	26° 5	16° 0	15°48	12°10	n.a.	T 13
W14	3 14 43	18° 5'57	10♉18	25° 6	22°57	19°12	22°44	3°21	13°33	14°57	26° 8	16°R 0	15°44	12°16	n.a.	W14
T 15	3 18 40	19° 7'06	24°46	26°41	24°13	19°53	22°54	3°28	13°34	14°56	26°10	16° 0	15°41	12°23	n.a.	T 15
F 16	3 22 36	20° 8'16	9♊26	28°15	25°28	20°35	23° 4	3°35	13°34	14°55	26°12	16° 0	15°38	12°30	n.a.	F 16
S 17	3 26 33	21° 9'26	24°12	29°50	26°44	21°16	23°14	3°42	13°35	14°54	26°14	15°59	15°35	12°36	n.a.	S 17
S 18	3 30 29	22°10'37	8♋56	1♐25	27°59	21°58	23°25	3°49	13°35	14°54	26°17	15°58	15°32	12°43	n.a.	S 18
M19	3 34 26	23°11'49	23°33	3° 0	29°15	22°40	23°35	3°56	13°35	14°53	26°19	15°58	15°29	12°50	n.a.	M19
T 20	3 38 22	24°13'02	7♌56	4°35	0♐30	23°21	23°45	4° 2	13°36	14°52	26°21	15°57	15°25	12°57	n.a.	T 20
W21	3 42 19	25°14'15	22° 3	6°10	1°46	24° 3	23°56	4° 9	13°36	14°51	26°23	15°D57	15°22	13° 3	n.a.	W21
T 22	3 46 15	26°15'29	5♍52	7°45	3° 1	24°45	24° 6	4°16	13°36	14°50	26°25	15°57	15°19	13°10	n.a.	T 22
F 23	3 50 12	27°16'44	19°24	9°19	4°17	25°27	24°17	4°23	13°R36	14°49	26°28	15°57	15°16	13°17	n.a.	F 23
S 24	3 54 9	28°17'59	2♎39	10°54	5°32	26° 9	24°28	4°30	13°36	14°48	26°30	15°58	15°13	13°23	n.a.	S 24
S 25	3 58 5	29°19'15	15°39	12°29	6°47	26°51	24°39	4°37	13°36	14°47	26°32	16° 0	15° 9	13°30	n.a.	S 25
M26	4 2 2	0♐20'31	28°25	14° 3	8° 3	27°32	24°50	4°44	13°35	14°46	26°34	16° 1	15° 6	13°37	n.a.	M26
T 27	4 5 58	1°21'47	10♏58	15°37	9°18	28°14	25° 1	4°52	13°35	14°45	26°37	16°R 1	15° 3	13°43	n.a.	T 27
W28	4 9 55	2°23'04	23°21	17°10	10°34	28°56	25°13	4°59	13°35	14°43	26°39	16° 1	15° 0	13°50	n.a.	W28
T 29	4 13 51	3°24'21	5♐34	18°43	11°49	29°39	25°24	5° 6	13°35	14°42	26°41	16° 0	14°57	13°57	n.a.	T 29
F 30	4 17 48	4♐25'38	17♐38	20♐15	13♐ 5	0♏21	25♑36	5♐13	13♌34	14♋41	26♏43	15♏58	14♏54	14♑ 4	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s18	18s45	1n 2	13s40	0s28	13s28	0n26	3s25	0n44	23s 2	0s58	19s38	1n10	17n41	0n43	22n43	0s 9	12s33	7n 3	16s48	16s57	19s 6		n.a.
F 2	13 38	20 2	2 6	14 18	0 35	13 55	0 24	3 42	0 44	23 1	0 57	19 40	1 10	17 41	0 43	22 43	0 9	12 34	7 3	16 48	16 56	19 5		n.a.
S 3	13 59	20 22	3 4	14 55	0 41	14 21	0 22	3 59	0 43	22 59	0 57	19 41	1 10	17 40	0 43	22 43	0 9	12 34	7 2	16 49	16 55	19 4		n.a.
S 4	14 19	19 47	3 54	15 32	0 47	14 48	0 20	4 15	0 43	22 58	0 57	19 42	1 10	17 40	0 43	22 43	0 9	12 35	7 2	16 49	16 54	19 3		n.a.
M 5	14 39	18 20	4 33	16 7	0 53	15 14	0 17	4 32	0 43	22 57	0 57	19 44	1 10	17 40	0 43	22 43	0 9	12 36	7 2	16 49	16 53	19 2		n.a.
T 6	14 58	16 6	5 0	16 42	0 59	15 39	0 15	4 49	0 42	22 55	0 57	19 45	1 10	17 40	0 43	22 43	0 9	12 36	7 2	16 49	16 52	19 1		n.a.
W 7	15 18	13 11	5 15	17 17	1 5	16 4	0 13	5 5	0 42	22 54	0 57	19 47	1 10	17 39	0 43	22 43	0 9	12 37	7 2	16 49	16 51	19 0		n.a.
T 8	15 37	9 40	5 16	17 50	1 10	16 29	0 10	5 22	0 41	22 52	0 57	19 48	1 10	17 39	0 43	22 43	0 9	12 38	7 2	16 49	16 50	18 59		n.a.
F 9	15 55	5 42	5 3	18 23	1 16	16 53	0 8	5 38	0 41	22 51	0 57	19 50	1 9	17 39	0 43	22 43	0 9	12 38	7 1	16 49	16 49	18 58		n.a.
S 10	16 14	1 23	4 35	18 55	1 21	17 17	0 6	5 55	0 40	22 49	0 57	19 51	1 9	17 39	0 43	22 43	0 9	12 39	7 1	16 49	16 48	18 56		n.a.
S 11	16 32	3n 8	3 53	19 26	1 26	17 40	0 3	6 11	0 40	22 47	0 57	19 52	1 9	17 39	0 43	22 44	0 9	12 40	7 1	16 49	16 47	18 55		n.a.
M12	16 50	7 38	2 56	19 56	1 31	18 3	0 1	6 28	0 39	22 46	0 57	19 54	1 9	17 38	0 43	22 44	0 9	12 40	7 1	16 49	16 47	18 54		n.a.
T 13	17 8	11 53	1 48	20 25	1 36	18 26	0s 2	6 44	0 39	22 44	0 57	19 55	1 9	17 38	0 43	22 44	0 9	12 41	7 1	16 49	16 46	18 53		n.a.
W14	17 25	15 35	0 32	20 53	1 40	18 48	0 4	7 1	0 38	22 42	0 57	19 57	1 9	17 38	0 43	22 44	0 9	12 42	7 1	16 49	16 45	18 52		n.a.
T 15	17 42	18 24	0s49	21 20	1 45	19 9	0 6	7 17	0 38	22 41	0 57	19 58	1 9	17 38	0 43	22 44	0 9	12 42	7 1	16 49	16 44	18 51		n.a.
F 16	17 59	20 2	2 7	21 46	1 49	19 30	0 9	7 33	0 37	22 39	0 56	19 59	1 9	17 38	0 43	22 44	0 9	12 43	7 1	16 49	16 43	18 50		n.a.
S 17	18 16	20 19	3 17	22 11	1 52	19 50	0 11	7 49	0 37	22 37	0 56	20 1	1 9	17 38	0 43	22 44	0 9	12 43	7 0	16 49	16 42	18 49		n.a.
S 18	18 32	19 12	4 14	22 34	1 56	20 10	0 14	8 6	0 36	22 35	0 56	20 2	1 9	17 38	0 43	22 44	0 8	12 44	7 0	16 49	16 41	18 48		n.a.
M19	18 47	16 49	4 53	22 57	1 59	20 29	0 16	8 22	0 36	22 34	0 56	20 4	1 9	17 38	0 43	22 44	0 8	12 45	7 0	16 49	16 40	18 47		n.a.
T 20	19 3	13 26	5 14	23 18	2 2	20 48	0 18	8 38	0 35	22 32	0 56	20 5	1 8	17 38	0 43	22 44	0 8	12 45	7 0	16 48	16 39	18 46		n.a.
W21	19 18	9 21	5 15	23 38	2 4	21 6	0 21	8 54	0 35	22 30	0 56	20 6	1 8	17 38	0 43	22 45	0 8	12 46	7 0	16 48	16 38	18 44		n.a.
T 22	19 33	4 51	4 58	23 56	2 7	21 23	0 23	9 10	0 34	22 28	0 56	20 8	1 8	17 38	0 43	22 45	0 8	12 47	7 0	16 48	16 37	18 43		n.a.
F 23	19 47	0 11	4 25	24 13	2 8	21 40	0 25	9 26	0 34	22 26	0 56	20 9	1 8	17 38	0 44	22 45	0 8	12 47	7 0	16 48	16 36	18 42		n.a.
S 24	20 1	4s24	3 38	24 29	2 10	21 56	0 28	9 42	0 33	22 24	0 56	20 10	1 8	17 38	0 44	22 45	0 8	12 48	7 0	16 49	16 35	18 41		n.a.
S 25	20 14	8 41	2 40	24 43	2 11	22 11	0 30	9 58	0 33	22 22	0 56	20 12	1 8	17 38	0 44	22 45	0 8	12 48	7 0	16 49	16 34	18 40		n.a.
M26	20 28	12 32	1 36	24 55	2 11	22 26	0 32	10 13	0 32	22 20	0 56	20 13	1 8	17 38	0 44	22 45	0 8	12 49	6 59	16 49	16 33	18 39		n.a.
T 27	20 40	15 44	0 28	25 6	2 11	22 40	0 34	10 29	0 32	22 18	0 56	20 15	1 8	17 38	0 44	22 45	0 8	12 49	6 59	16 50	16 32	18 38		n.a.
W28	20 53	18 11	0n40	25 15	2 10	22 54	0 37	10 45	0 31	22 15	0 56	20 16	1 8	17 38	0 44	22 45	0 8	12 50	6 59	16 50	16 32	18 37		n.a.
T 29	21 5	19 45	1 46	25 23	2 9	23 7	0 39	11 0	0 30	22 13	0 56	20 17	1 8	17 38	0 44	22 46	0 8	12 51	6 59	16 49	16 31	18 35		n.a.
F 30	21s17	20s23	2n46	25s29	2s 7	23s19	0s41	11s16	0n30	22s11	0s56	20s19	1n 8	17n39	0n44	22n46	0s 8	12s51	6n59	16s49	16s30	18s34		n.a.

Julian Day Number = 1640641.5, Delta T = 03h36m36s
Ecliptic obliquity = 23°43'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'22, Lahiri = - 7°00'21 Julian Calendar 1 Nov. 222 BCE == Greg. Calendar 28 Oct. 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 222 BCE
geocentric

DECEMBER 222 BCE (-221) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 21 44	5♐26'55	29♐36	21♐46	14♐20	1♏ 3	25♑47	5♐20	13°R34	14°R40	26♏45	15°R55	14♏50	14♑10	n.a.	S 1
S 2	4 25 41	6°28'12	11♑29	23°16	15°35	1°45	25°59	5°27	13♎33	14♋39	26°48	15♏52	14°47	14°17	n.a.	S 2
M 3	4 29 38	7°29'29	23°19	24°44	16°51	2°27	26°11	5°34	13°33	14°37	26°50	15°48	14°44	14°24	n.a.	M 3
T 4	4 33 34	8°30'46	5♒10	26°10	18° 6	3° 9	26°23	5°41	13°32	14°36	26°52	15°45	14°41	14°30	n.a.	T 4
W 5	4 37 31	9°32'02	17° 5	27°35	19°21	3°51	26°35	5°48	13°32	14°35	26°54	15°42	14°38	14°37	n.a.	W 5
T 6	4 41 27	10°33'17	29° 7	28°56	20°37	4°34	26°47	5°55	13°31	14°33	26°56	15°40	14°34	14°44	n.a.	T 6
F 7	4 45 24	11°34'32	11♓22	0♑14	21°52	5°16	26°59	6° 2	13°30	14°32	26°59	15°D39	14°31	14°51	n.a.	F 7
S 8	4 49 20	12°35'47	23°54	1°29	23° 7	5°58	27°11	6° 9	13°29	14°31	27° 1	15°40	14°28	14°57	n.a.	S 8
S 9	4 53 17	13°37'01	6♈47	2°39	24°23	6°41	27°23	6°16	13°28	14°29	27° 3	15°41	14°25	15° 4	n.a.	S 9
M10	4 57 14	14°38'14	20° 5	3°45	25°38	7°23	27°36	6°23	13°28	14°28	27° 5	15°43	14°22	15°11	n.a.	M10
T 11	5 1 10	15°39'27	3♉50	4°44	26°53	8° 5	27°48	6°30	13°27	14°27	27° 7	15°44	14°19	15°17	n.a.	T 11
W12	5 5 7	16°40'39	18° 3	5°37	28° 8	8°48	28° 1	6°37	13°26	14°25	27° 9	15°R45	14°15	15°24	n.a.	W12
T 13	5 9 3	17°41'51	2♊42	6°23	29°24	9°30	28°13	6°44	13°24	14°24	27°12	15°44	14°12	15°31	n.a.	T 13
F 14	5 13 0	18°43'02	17°39	6°59	0♑39	10°13	28°26	6°51	13°23	14°22	27°14	15°41	14° 9	15°37	n.a.	F 14
S 15	5 16 56	19°44'13	2♋49	7°27	1°54	10°55	28°39	6°58	13°22	14°21	27°16	15°37	14° 6	15°44	n.a.	S 15
S 16	5 20 53	20°45'23	17°59	7°45	3° 9	11°38	28°51	7° 5	13°21	14°19	27°18	15°32	14° 3	15°51	n.a.	S 16
M17	5 24 49	21°46'33	3♌ 1	7°R51	4°25	12°21	29° 4	7°12	13°20	14°18	27°20	15°26	14° 0	15°58	n.a.	M17
T 18	5 28 46	22°47'42	17°46	7°47	5°40	13° 3	29°17	7°18	13°18	14°16	27°22	15°21	13°56	16° 4	n.a.	T 18
W19	5 32 43	23°48'50	2♍ 8	7°31	6°55	13°46	29°30	7°25	13°17	14°15	27°24	15°18	13°53	16°11	n.a.	W19
T 20	5 36 39	24°49'59	16° 4	7° 3	8°10	14°29	29°43	7°32	13°16	14°13	27°26	15°16	13°50	16°18	n.a.	T 20
F 21	5 40 36	25°51'06	29°35	6°23	9°25	15°11	29°56	7°39	13°14	14°11	27°28	15°D15	13°47	16°24	n.a.	F 21
S 22	5 44 32	26°52'14	12♎42	5°34	10°40	15°54	0♒10	7°46	13°13	14°10	27°30	15°16	13°44	16°31	n.a.	S 22
S 23	5 48 29	27°53'20	25°29	4°35	11°55	16°37	0°23	7°52	13°11	14° 8	27°32	15°18	13°40	16°38	n.a.	S 23
M24	5 52 25	28°54'26	8♏ 0	3°29	13°10	17°20	0°36	7°59	13° 9	14° 7	27°34	15°19	13°37	16°45	n.a.	M24
T 25	5 56 22	29°55'32	20°18	2°17	14°26	18° 3	0°50	8° 6	13° 8	14° 5	27°36	15°R19	13°34	16°51	n.a.	T 25
W26	6 0 18	0♑56'37	2♐25	1° 2	15°41	18°45	1° 3	8°13	13° 6	14° 3	27°38	15°17	13°31	16°58	n.a.	W26
T 27	6 4 15	1°57'41	14°26	29♐45	16°56	19°28	1°17	8°19	13° 4	14° 2	27°40	15°13	13°28	17° 5	n.a.	T 27
F 28	6 8 12	2°58'44	26°22	28°31	18°11	20°11	1°30	8°26	13° 3	14° 0	27°42	15° 7	13°25	17°11	n.a.	F 28
S 29	6 12 8	3°59'46	8♑15	27°19	19°26	20°54	1°44	8°33	13° 1	13°58	27°44	14°58	13°21	17°18	n.a.	S 29
S 30	6 16 5	5° 0'47	20° 7	26°12	20°41	21°37	1°57	8°39	12°59	13°57	27°46	14°49	13°18	17°25	n.a.	S 30
M31	6 20 1	6♑ 1'46	1♒58	25♐12	21♑56	22♏20	2♒11	8♐46	12♎57	13♋55	27♏48	14♏38	13♏15	17♑32	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s28	20s 5	3n38	25s32	2s 5	23s30	0s43	11s31	0n29	22s 9	0s56	20s20	1n 8	17n39	0n44	22n46	0s 8	12s52	6n59	16s48	16s29	18s33		n.a.
S 2	21 39	18 54	4 20	25 35	2 2	23 41	0 45	11 46	0 29	22 7	0 56	20 21	1 8	17 39	0 44	22 46	0 8	12 52	6 59	16 47	16 28	18 32		n.a.
M 3	21 49	16 54	4 51	25 35	1 58	23 51	0 47	12 1	0 28	22 4	0 56	20 23	1 8	17 39	0 44	22 46	0 8	12 53	6 59	16 46	16 27	18 31		n.a.
T 4	21 59	14 12	5 9	25 33	1 53	24 0	0 49	12 17	0 28	22 2	0 56	20 24	1 7	17 39	0 44	22 46	0 8	12 53	6 59	16 45	16 26	18 30		n.a.
W 5	22 8	10 54	5 14	25 30	1 48	24 9	0 51	12 32	0 27	22 0	0 56	20 25	1 7	17 40	0 44	22 46	0 8	12 54	6 59	16 44	16 25	18 29		n.a.
T 6	22 17	7 8	5 6	25 24	1 42	24 16	0 53	12 47	0 26	21 57	0 56	20 26	1 7	17 40	0 44	22 47	0 8	12 54	6 59	16 43	16 24	18 27		n.a.
F 7	22 26	3 1	4 43	25 17	1 34	24 23	0 55	13 2	0 26	21 55	0 56	20 28	1 7	17 40	0 44	22 47	0 8	12 55	6 59	16 43	16 23	18 26		n.a.
S 8	22 34	1n19	4 7	25 9	1 26	24 30	0 57	13 16	0 25	21 52	0 55	20 29	1 7	17 40	0 44	22 47	0 8	12 55	6 59	16 43	16 22	18 25		n.a.
S 9	22 42	5 44	3 18	24 58	1 16	24 35	0 59	13 31	0 25	21 50	0 55	20 30	1 7	17 41	0 44	22 47	0 8	12 56	6 59	16 44	16 21	18 24		n.a.
M10	22 49	10 2	2 16	24 46	1 6	24 40	1 1	13 46	0 24	21 47	0 55	20 31	1 7	17 41	0 44	22 47	0 8	12 57	6 59	16 44	16 20	18 23		n.a.
T 11	22 56	13 58	1 5	24 32	0 54	24 44	1 3	14 0	0 23	21 45	0 55	20 33	1 7	17 41	0 44	22 47	0 8	12 57	6 59	16 45	16 19	18 22		n.a.
W12	23 3	17 12	0s13	24 18	0 42	24 47	1 5	14 14	0 23	21 42	0 55	20 34	1 7	17 42	0 44	22 48	0 8	12 58	6 59	16 45	16 18	18 20		n.a.
T 13	23 9	19 27	1 31	24 2	0 28	24 49	1 6	14 29	0 22	21 40	0 55	20 35	1 7	17 42	0 44	22 48	0 8	12 58	6 59	16 44	16 17	18 19		n.a.
F 14	23 14	20 23	2 46	23 45	0 13	24 51	1 8	14 43	0 21	21 37	0 55	20 36	1 7	17 42	0 44	22 48	0 8	12 59	6 59	16 44	16 16	18 18		n.a.
S 15	23 19	19 53	3 49	23 27	0n 3	24 52	1 10	14 57	0 21	21 35	0 55	20 38	1 7	17 43	0 44	22 48	0 8	12 59	6 59	16 42	16 15	18 17		n.a.
S 16	23 24	17 56	4 36	23 9	0 20	24 52	1 11	15 11	0 20	21 32	0 55	20 39	1 7	17 43	0 44	22 48	0 8	12 59	6 59	16 41	16 14	18 16		n.a.
M17	23 28	14 47	5 4	22 51	0 38	24 51	1 13	15 25	0 19	21 29	0 55	20 40	1 7	17 44	0 45	22 48	0 8	13 0	6 59	16 39	16 13	18 14		n.a.
T 18	23 31	10 45	5 11	22 33	0 56	24 50	1 14	15 38	0 19	21 26	0 55	20 41	1 7	17 44	0 45	22 49	0 8	13 0	6 59	16 38	16 13	18 13		n.a.
W19	23 34	6 12	4 58	22 15	1 15	24 48	1 16	15 52	0 18	21 24	0 55	20 42	1 7	17 44	0 45	22 49	0 8	13 1	6 59	16 37	16 12	18 12		n.a.
T 20	23 37	1 27	4 27	21 57	1 35	24 45	1 17	16 5	0 17	21 21	0 55	20 44	1 7	17 45	0 45	22 49	0 8	13 1	6 59	16 36	16 11	18 11		n.a.
F 21	23 39	3s14	3 43	21 40	1 54	24 41	1 18	16 19	0 17	21 18	0 55	20 45	1 7	17 45	0 45	22 49	0 8	13 2	6 59	16 36	16 10	18 10		n.a.
S 22	23 41	7 39	2 48	21 24	2 12	24 36	1 20	16 32	0 16	21 15	0 55	20 46	1 7	17 46	0 45	22 49	0 8	13 2	6 59	16 36	16 9	18 8		n.a.
S 23	23 42	11 36	1 46	21 9	2 29	24 31	1 21	16 45	0 15	21 12	0 55	20 47	1 7	17 46	0 45	22 49	0 8	13 3	6 59	16 37	16 8	18 7		n.a.
M24	23 43	14 58	0 40	20 55	2 45	24 25	1 22	16 58	0 15	21 9	0 55	20 48	1 7	17 47	0 45	22 50	0 8	13 3	6 59	16 37	16 7	18 6		n.a.
T 25	23 43	17 36	0n27	20 43	2 59	24 18	1 23	17 11	0 14	21 6	0 55	20 49	1 7	17 47	0 45	22 50	0 8	13 3	6 59	16 37	16 6	18 5		n.a.
W26	23 43	19 24	1 31	20 32	3 11	24 11	1 24	17 24	0 13	21 3	0 55	20 50	1 7	17 48	0 45	22 50	0 8	13 4	6 59	16 37	16 5	18 4		n.a.
T 27	23 42	20 18	2 31	20 22	3 21	24 2	1 25	17 36	0 13	21 0	0 55	20 51	1 7	17 48	0 45	22 50	0 8	13 4	6 59	16 36	16 4	18 2		n.a.
F 28	23 41	20 17	3 23	20 14	3 29	23 53	1 26	17 48	0 12	20 57	0 55	20 52	1 7	17 49	0 45	22 50	0 8	13 5	6 59	16 34	16 3	18 1		n.a.
S 29	23 40	19 22	4 6	20 8	3 34	23 44	1 27	18 1	0 11	20 54	0 55	20 54	1 6	17 49	0 45	22 51	0 8	13 5	6 59	16 31	16 2	18 0		n.a.
S 30	23 37	17 36	4 38	20 4	3 36	23 33	1 28	18 13	0 11	20 51	0 55	20 55	1 6	17 50	0 45	22 51	0 8	13 5	6 59	16 28	16 1	17 59		n.a.
M31	23s35	15s 6	4n58	20s 2	3n36	23s22	1s28	18s25	0n10	20s48	0s55	20s56	1n 6	17n51	0n45	22n51	0s 8	13s 6	6n59	16s25	16s 0	17s57		n.a.

Julian Day Number = 1640671.5, Delta T = 03h36m35s
Ecliptic obliquity = 23°43'12, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'18, Lahiri = - 7°00'17 Julian Calendar 1 Dec. 222 BCE == Greg. Calendar 27 Nov. 222 BCE

The year -221 astronomical counting style corresponds to year 222 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

JANUARY 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 23 58	7♉ 2'45	13♒51	24°R20	23♉11	23♏ 3	2♒25	8♐52	12°R55	13°R53	27♏49	14°R28	13♏12	17♉38	n.a.	T 1
W 2	6 27 54	8° 3'42	25°48	23♐35	24°26	23°47	2°39	8°59	12♌53	13♋52	27°51	14♏19	13° 9	17°45	n.a.	W 2
T 3	6 31 51	9° 4'37	7♓51	22°59	25°41	24°30	2°52	9° 5	12°51	13°50	27°53	14°12	13° 6	17°52	n.a.	T 3
F 4	6 35 48	10° 5'31	20° 5	22°32	26°56	25°13	3° 6	9°11	12°49	13°48	27°55	14° 7	13° 2	17°58	n.a.	F 4
S 5	6 39 44	11° 6'24	2♈32	22°13	28°10	25°56	3°20	9°18	12°47	13°47	27°57	14° 5	12°59	18° 5	n.a.	S 5
S 6	6 43 41	12° 7'15	15°18	22° 2	29°25	26°39	3°34	9°24	12°45	13°45	27°58	14°D 4	12°56	18°12	n.a.	S 6
M 7	6 47 37	13° 8'04	28°26	21°D59	0♒40	27°22	3°48	9°30	12°43	13°43	28° 0	14° 5	12°53	18°18	n.a.	M 7
T 8	6 51 34	14° 8'52	12♉ 1	22° 4	1°55	28° 6	4° 2	9°37	12°41	13°42	28° 2	14°R 6	12°50	18°25	n.a.	T 8
W 9	6 55 30	15° 9'38	26° 4	22°15	3°10	28°49	4°16	9°43	12°38	13°40	28° 3	14° 5	12°46	18°32	n.a.	W 9
T 10	6 59 27	16°10'22	10♊35	22°33	4°24	29°32	4°30	9°49	12°36	13°38	28° 5	14° 2	12°43	18°39	n.a.	T 10
F 11	7 3 23	17°11'05	25°32	22°57	5°39	0♐16	4°44	9°55	12°34	13°37	28° 7	13°57	12°40	18°45	n.a.	F 11
S 12	7 7 20	18°11'46	10♋46	23°26	6°54	0°59	4°59	10° 1	12°32	13°35	28° 8	13°49	12°37	18°52	n.a.	S 12
S 13	7 11 17	19°12'26	26° 8	24° 1	8° 9	1°42	5°13	10° 7	12°29	13°33	28°10	13°40	12°34	18°59	n.a.	S 13
M14	7 15 13	20°13'04	11♌26	24°40	9°23	2°26	5°27	10°13	12°27	13°32	28°11	13°29	12°31	19° 5	n.a.	M14
T 15	7 19 10	21°13'40	26°28	25°23	10°38	3° 9	5°41	10°19	12°25	13°30	28°13	13°20	12°27	19°12	n.a.	T 15
W16	7 23 6	22°14'15	11♍ 7	26°10	11°52	3°53	5°55	10°25	12°22	13°28	28°14	13°12	12°24	19°19	n.a.	W16
T 17	7 27 3	23°14'49	25°17	27° 1	13° 7	4°36	6°10	10°31	12°20	13°27	28°16	13° 6	12°21	19°26	n.a.	T 17
F 18	7 30 59	24°15'21	8♎56	27°55	14°22	5°20	6°24	10°36	12°17	13°25	28°17	13° 3	12°18	19°32	n.a.	F 18
S 19	7 34 56	25°15'52	22° 7	28°52	15°36	6° 3	6°38	10°42	12°15	13°23	28°19	13°D 2	12°15	19°39	n.a.	S 19
S 20	7 38 52	26°16'21	4♏54	29°52	16°51	6°47	6°53	10°48	12°13	13°22	28°20	13° 2	12°12	19°46	n.a.	S 20
M21	7 42 49	27°16'49	17°20	0♉54	18° 5	7°31	7° 7	10°53	12°10	13°20	28°21	13°R 2	12° 8	19°52	n.a.	M21
T 22	7 46 46	28°17'16	29°31	1°59	19°20	8°14	7°21	10°59	12° 8	13°18	28°23	13° 1	12° 5	19°59	n.a.	T 22
W23	7 50 42	29°17'41	11♐31	3° 6	20°34	8°58	7°36	11° 4	12° 5	13°17	28°24	12°58	12° 2	20° 6	n.a.	W23
T 24	7 54 39	0♒18'05	23°25	4°15	21°48	9°42	7°50	11°10	12° 2	13°15	28°25	12°52	11°59	20°13	n.a.	T 24
F 25	7 58 35	1°18'27	5♉16	5°26	23° 3	10°25	8° 4	11°15	12° 0	13°14	28°27	12°42	11°56	20°19	n.a.	F 25
S 26	8 2 32	2°18'47	17° 6	6°39	24°17	11° 9	8°19	11°20	11°57	13°12	28°28	12°30	11°52	20°26	n.a.	S 26
S 27	8 6 28	3°19'05	28°58	7°54	25°31	11°53	8°33	11°26	11°55	13°10	28°29	12°17	11°49	20°33	n.a.	S 27
M28	8 10 25	4°19'22	10♒53	9°11	26°46	12°37	8°48	11°31	11°52	13° 9	28°30	12° 2	11°46	20°39	n.a.	M28
T 29	8 14 21	5°19'36	22°51	10°29	28° 0	13°21	9° 2	11°36	11°50	13° 7	28°31	11°47	11°43	20°46	n.a.	T 29
W30	8 18 18	6°19'48	4♓55	11°48	29°14	14° 4	9°17	11°41	11°47	13° 6	28°33	11°34	11°40	20°53	n.a.	W30
T 31	8 22 15	7♒19'59	17♓ 6	13♉ 9	0♓28	14♐48	9♒31	11♐46	11♌44	13♋ 4	28♏34	11♏23	11♏37	21♉ 0	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23s32	11s59	5n 6	20s 1	3n35	23s10	1s29	18s37	0n 9	20s45	0s55	20s57	1n 6	17n51	0n45	22n51	0s 8	13s 6	6n59	16s22	15s59	17s56			n.a.
W 2	23 28	8 22	5 0	20 3	3 31	22 57	1 30	18 48	0 8	20 42	0 55	20 58	1 6	17 52	0 45	22 51	0 8	13 6	6 59	16 19	15 58	17 55			n.a.
T 3	23 24	4 24	4 40	20 6	3 26	22 44	1 30	19 0	0 8	20 38	0 55	20 59	1 6	17 52	0 45	22 52	0 8	13 7	6 59	16 17	15 57	17 54			n.a.
F 4	23 20	0 11	4 8	20 11	3 19	22 30	1 31	19 11	0 7	20 35	0 55	21 0	1 6	17 53	0 45	22 52	0 8	13 7	6 59	16 16	15 56	17 53			n.a.
S 5	23 15	4n 7	3 23	20 18	3 12	22 15	1 31	19 22	0 6	20 32	0 55	21 1	1 6	17 54	0 45	22 52	0 8	13 7	6 59	16 15	15 55	17 51			n.a.
S 6	23 10	8 22	2 28	20 26	3 3	22 0	1 31	19 33	0 5	20 29	0 55	21 2	1 6	17 54	0 45	22 52	0 8	13 8	6 59	16 15	15 54	17 50			n.a.
M 7	23 4	12 20	1 23	20 35	2 54	21 44	1 32	19 44	0 5	20 25	0 55	21 3	1 6	17 55	0 45	22 52	0 8	13 8	6 59	16 15	15 53	17 49			n.a.
T 8	22 58	15 48	0 11	20 45	2 44	21 27	1 32	19 54	0 4	20 22	0 55	21 4	1 6	17 55	0 45	22 52	0 8	13 8	6 59	16 15	15 52	17 48			n.a.
W 9	22 51	18 28	1s 4	20 56	2 33	21 10	1 32	20 5	0 3	20 19	0 55	21 4	1 6	17 56	0 45	22 53	0 8	13 9	6 59	16 15	15 51	17 46			n.a.
T 10	22 44	20 3	2 16	21 8	2 23	20 52	1 32	20 15	0 2	20 15	0 55	21 5	1 6	17 57	0 45	22 53	0 8	13 9	6 59	16 14	15 50	17 45			n.a.
F 11	22 36	20 17	3 22	21 20	2 12	20 34	1 32	20 25	0 1	20 12	0 55	21 6	1 6	17 57	0 45	22 53	0 8	13 9	6 59	16 13	15 49	17 44			n.a.
S 12	22 28	19 3	4 14	21 33	2 1	20 15	1 32	20 35	0 1	20 8	0 55	21 7	1 6	17 58	0 45	22 53	0 8	13 10	7 0	16 10	15 48	17 42			n.a.
S 13	22 20	16 26	4 49	21 45	1 50	19 55	1 32	20 45	0s 0	20 5	0 55	21 8	1 6	17 59	0 45	22 53	0 8	13 10	7 0	16 7	15 47	17 41			n.a.
M14	22 11	12 42	5 3	21 58	1 39	19 35	1 32	20 54	0 1	20 2	0 55	21 9	1 6	18 0	0 45	22 54	0 8	13 10	7 0	16 4	15 46	17 40			n.a.
T 15	22 1	8 13	4 55	22 11	1 28	19 14	1 31	21 4	0 2	19 58	0 56	21 10	1 6	18 0	0 45	22 54	0 8	13 10	7 0	16 1	15 45	17 39			n.a.
W16	21 52	3 21	4 28	22 23	1 17	18 53	1 31	21 13	0 3	19 54	0 56	21 11	1 6	18 1	0 45	22 54	0 8	13 11	7 0	15 59	15 44	17 37			n.a.
T 17	21 41	1s32	3 45	22 35	1 6	18 31	1 31	21 22	0 3	19 51	0 56	21 11	1 6	18 2	0 45	22 54	0 8	13 11	7 0	15 57	15 43	17 36			n.a.
F 18	21 31	6 11	2 51	22 47	0 55	18 9	1 30	21 31	0 4	19 47	0 56	21 12	1 6	18 2	0 45	22 54	0 8	13 11	7 0	15 56	15 42	17 35			n.a.
S 19	21 20	10 24	1 49	22 58	0 45	17 46	1 30	21 39	0 5	19 44	0 56	21 13	1 6	18 3	0 45	22 54	0 8	13 11	7 0	15 56	15 41	17 34			n.a.
S 20	21 9	13 59	0 43	23 8	0 35	17 23	1 29	21 48	0 6	19 40	0 56	21 14	1 6	18 4	0 46	22 55	0 8	13 11	7 0	15 56	15 40	17 32			n.a.
M21	20 57	16 50	0n23	23 18	0 25	16 59	1 28	21 56	0 7	19 36	0 56	21 15	1 6	18 4	0 46	22 55	0 8	13 12	7 0	15 56	15 39	17 31			n.a.
T 22	20 45	18 53	1 26	23 27	0 15	16 35	1 28	22 4	0 8	19 33	0 56	21 15	1 6	18 5	0 46	22 55	0 8	13 12	7 0	15 56	15 38	17 30			n.a.
W23	20 32	20 2	2 25	23 35	0 6	16 10	1 27	22 12	0 9	19 29	0 56	21 16	1 6	18 6	0 46	22 55	0 8	13 12	7 0	15 55	15 38	17 28			n.a.
T 24	20 19	20 17	3 16	23 43	0s 4	15 45	1 26	22 19	0 9	19 25	0 56	21 17	1 6	18 7	0 46	22 55	0 8	13 12	7 1	15 53	15 37	17 27			n.a.
F 25	20 6	19 38	3 59	23 49	0 12	15 20	1 25	22 27	0 10	19 22	0 56	21 18	1 6	18 7	0 46	22 56	0 8	13 12	7 1	15 50	15 36	17 26			n.a.
S 26	19 53	18 8	4 31	23 54	0 21	14 54	1 24	22 34	0 11	19 18	0 56	21 18	1 6	18 8	0 46	22 56	0 8	13 13	7 1	15 46	15 35	17 24			n.a.
S 27	19 39	15 51	4 52	23 58	0 30	14 28	1 23	22 41	0 12	19 14	0 56	21 19	1 6	18 9	0 46	22 56	0 8	13 13	7 1	15 42	15 34	17 23			n.a.
M28	19 24	12 54	4 59	24 2	0 38	14 1	1 22	22 47	0 13	19 10	0 56	21 20	1 6	18 10	0 46	22 56	0 8	13 13	7 1	15 37	15 33	17 22			n.a.
T 29	19 10	9 26	4 54	24 3	0 46	13 34	1 20	22 54	0 14	19 7	0 56	21 21	1 6	18 10	0 46	22 56	0 8	13 13	7 1	15 33	15 32	17 21			n.a.
W30	18 55	5 33	4 36	24 4	0 53	13 6	1 19	23 0	0 15	19 3	0 56	21 21	1 6	18 11	0 46	22 56	0 8	13 13	7 1	15 29	15 31	17 19			n.a.
T 31	18s39	1s25	4n 4	24s 4	1s 0	12s39	1s18	23s 6	0s16	18s59	0s56	21s22	1n 6	18n12	0n46	22n57	0s 8	13s13	7n 1	15s26	15s30	17s18			n.a.

Julian Day Number = 1640702.5, Delta T = 03h36m34s
Ecliptic obliquity = 23°43'12, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'13, Lahiri = - 7°00'13 Julian Calendar 1 Jan. 221 BCE == Greg. Calendar 28 Dec. 222 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

FEBRUARY 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 26 11	8♒20'07	29♓25	14♉32	1♓42	15♐32	9♒45	11♐51	11°R42	13°R 3	28♏35	11°R16	11♏33	21♉ 6	n.a.	F 1
S 2	8 30 8	9°20'13	11♈56	15°56	2°56	16°16	10° 0	11°56	11♌39	13♋ 1	28°36	11♏11	11°30	21°13	n.a.	S 2
S 3	8 34 4	10°20'17	24°42	17°21	4°10	17° 0	10°14	12° 0	11°37	13° 0	28°37	11° 9	11°27	21°20	n.a.	S 3
M 4	8 38 1	11°20'19	7♉46	18°47	5°24	17°44	10°29	12° 5	11°34	12°58	28°38	11° 9	11°24	21°26	n.a.	M 4
T 5	8 41 57	12°20'18	21°12	20°15	6°38	18°28	10°43	12°10	11°31	12°57	28°39	11° 9	11°21	21°33	n.a.	T 5
W 6	8 45 54	13°20'15	5♊ 3	21°44	7°52	19°12	10°58	12°14	11°29	12°55	28°40	11° 8	11°18	21°40	n.a.	W 6
T 7	8 49 50	14°20'10	19°19	23°14	9° 6	19°56	11°12	12°19	11°26	12°54	28°40	11° 5	11°14	21°47	n.a.	T 7
F 8	8 53 47	15°20'02	4♋ 0	24°45	10°20	20°40	11°27	12°23	11°23	12°53	28°41	10°59	11°11	21°53	n.a.	F 8
S 9	8 57 43	16°19'53	19° 1	26°18	11°34	21°24	11°41	12°27	11°21	12°51	28°42	10°50	11° 8	22° 0	n.a.	S 9
S 10	9 1 40	17°19'41	4♌14	27°51	12°47	22° 8	11°55	12°32	11°18	12°50	28°43	10°40	11° 5	22° 7	n.a.	S 10
M11	9 5 37	18°19'26	19°28	29°26	14° 1	22°52	12°10	12°36	11°16	12°49	28°44	10°29	11° 2	22°13	n.a.	M11
T 12	9 9 33	19°19'10	4♍32	1♒ 3	15°15	23°36	12°24	12°40	11°13	12°47	28°44	10°18	10°58	22°20	n.a.	T 12
W13	9 13 30	20°18'52	19°16	2°40	16°28	24°20	12°39	12°44	11°10	12°46	28°45	10° 8	10°55	22°27	n.a.	W13
T 14	9 17 26	21°18'31	3♎35	4°19	17°42	25° 4	12°53	12°48	11° 8	12°45	28°46	10° 2	10°52	22°34	n.a.	T 14
F 15	9 21 23	22°18'09	17°23	5°58	18°55	25°48	13° 7	12°52	11° 5	12°44	28°46	9°58	10°49	22°40	n.a.	F 15
S 16	9 25 19	23°17'45	0♏42	7°39	20° 9	26°32	13°22	12°55	11° 3	12°42	28°47	9°56	10°46	22°47	n.a.	S 16
S 17	9 29 16	24°17'19	13°34	9°22	21°22	27°17	13°36	12°59	11° 0	12°41	28°48	9°D56	10°43	22°54	n.a.	S 17
M18	9 33 12	25°16'51	26° 4	11° 5	22°35	28° 1	13°50	13° 3	10°58	12°40	28°48	9°R56	10°39	23° 1	n.a.	M18
T 19	9 37 9	26°16'21	8♐16	12°50	23°49	28°45	14° 5	13° 6	10°55	12°39	28°49	9°55	10°36	23° 7	n.a.	T 19
W20	9 41 6	27°15'50	20°16	14°36	25° 2	29°29	14°19	13°10	10°53	12°38	28°49	9°53	10°33	23°14	n.a.	W20
T 21	9 45 2	28°15'17	2♑ 9	16°23	26°15	0♑14	14°33	13°13	10°50	12°37	28°49	9°48	10°30	23°21	n.a.	T 21
F 22	9 48 59	29°14'41	13°59	18°12	27°28	0°58	14°47	13°16	10°48	12°36	28°50	9°40	10°27	23°27	n.a.	F 22
S 23	9 52 55	0♓14'04	25°49	20° 2	28°42	1°42	15° 2	13°20	10°45	12°35	28°50	9°30	10°24	23°34	n.a.	S 23
S 24	9 56 52	1°13'25	7♒43	21°53	29°55	2°26	15°16	13°23	10°43	12°34	28°51	9°18	10°20	23°41	n.a.	S 24
M25	10 0 48	2°12'43	19°43	23°45	1♈ 8	3°11	15°30	13°26	10°41	12°33	28°51	9° 5	10°17	23°48	n.a.	M25
T 26	10 4 45	3°12'00	1♓50	25°39	2°21	3°55	15°44	13°29	10°38	12°32	28°51	8°53	10°14	23°54	n.a.	T 26
W27	10 8 41	4°11'14	14° 5	27°34	3°33	4°39	15°58	13°32	10°36	12°31	28°51	8°41	10°11	24° 1	n.a.	W27
T 28	10 12 38	5°10'26	26°28	29°31	4°46	5°23	16°12	13°34	10°34	12°30	28°52	8°32	10° 8	24° 8	n.a.	T 28
F 29	10 16 34	6♓ 9'36	9♈ 2	1♓28	5♈59	6♑ 8	16♒26	13♐37	10♌31	12♋29	28♏52	8♏26	10♏ 4	24♑14	n.a.	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s24	2n50	3n21	24s 2	1s 7	12s11	1s16	23s12	0s17	18s55	0s56	21s22	1n 6	18n13	0n46	22n57	0s 8	13s13	7n 1	15s23	15s29	17s17		n.a.
S 2	18 8	7 2	2 28	23 59	1 14	11 42	1 15	23 17	0 17	18 51	0 56	21 23	1 7	18 13	0 46	22 57	0 8	13 13	7 2	15 22	15 28	17 15		n.a.
S 3	17 51	11 0	1 26	23 54	1 20	11 14	1 13	23 23	0 18	18 47	0 56	21 24	1 7	18 14	0 46	22 57	0 8	13 14	7 2	15 21	15 27	17 14		n.a.
M 4	17 35	14 33	0 18	23 48	1 26	10 45	1 12	23 28	0 19	18 43	0 57	21 24	1 7	18 15	0 46	22 57	0 8	13 14	7 2	15 21	15 26	17 13		n.a.
T 5	17 18	17 25	0s53	23 41	1 31	10 16	1 10	23 33	0 20	18 39	0 57	21 25	1 7	18 16	0 46	22 57	0 8	13 14	7 2	15 21	15 25	17 11		n.a.
W 6	17 1	19 23	2 3	23 32	1 37	9 46	1 8	23 38	0 21	18 35	0 57	21 25	1 7	18 16	0 46	22 58	0 8	13 14	7 2	15 21	15 24	17 10		n.a.
T 7	16 43	20 11	3 7	23 22	1 42	9 16	1 6	23 42	0 22	18 32	0 57	21 26	1 7	18 17	0 46	22 58	0 8	13 14	7 2	15 20	15 23	17 9		n.a.
F 8	16 26	19 39	4 1	23 10	1 46	8 46	1 4	23 46	0 23	18 28	0 57	21 27	1 7	18 18	0 46	22 58	0 8	13 14	7 2	15 18	15 22	17 7		n.a.
S 9	16 8	17 45	4 39	22 57	1 50	8 16	1 3	23 50	0 24	18 24	0 57	21 27	1 7	18 19	0 46	22 58	0 8	13 14	7 2	15 15	15 21	17 6		n.a.
S 10	15 49	14 36	4 58	22 42	1 54	7 46	1 1	23 54	0 25	18 20	0 57	21 28	1 7	18 19	0 46	22 58	0 7	13 14	7 3	15 12	15 20	17 5		n.a.
M11	15 31	10 28	4 57	22 25	1 57	7 15	0 59	23 57	0 26	18 16	0 57	21 28	1 7	18 20	0 46	22 58	0 7	13 14	7 3	15 8	15 19	17 3		n.a.
T 12	15 12	5 43	4 34	22 7	2 0	6 45	0 56	24 1	0 27	18 12	0 57	21 29	1 7	18 21	0 46	22 58	0 7	13 14	7 3	15 5	15 18	17 2		n.a.
W13	14 53	0 43	3 54	21 47	2 3	6 14	0 54	24 4	0 28	18 7	0 57	21 29	1 7	18 21	0 46	22 59	0 7	13 14	7 3	15 2	15 17	17 1		n.a.
T 14	14 34	4s11	3 0	21 26	2 5	5 43	0 52	24 6	0 29	18 3	0 57	21 30	1 7	18 22	0 46	22 59	0 7	13 14	7 3	15 0	15 16	16 59		n.a.
F 15	14 14	8 41	1 56	21 3	2 7	5 12	0 50	24 9	0 30	17 59	0 57	21 30	1 7	18 23	0 46	22 59	0 7	13 14	7 3	14 58	15 15	16 58		n.a.
S 16	13 55	12 37	0 49	20 38	2 8	4 40	0 47	24 11	0 31	17 55	0 57	21 31	1 7	18 24	0 46	22 59	0 7	13 14	7 3	14 58	15 14	16 56		n.a.
S 17	13 35	15 47	0n19	20 11	2 9	4 9	0 45	24 13	0 32	17 51	0 58	21 31	1 7	18 24	0 46	22 59	0 7	13 14	7 3	14 58	15 13	16 55		n.a.
M18	13 15	18 8	1 25	19 43	2 9	3 37	0 43	24 15	0 33	17 47	0 58	21 31	1 7	18 25	0 46	22 59	0 7	13 14	7 4	14 58	15 12	16 54		n.a.
T 19	12 54	19 34	2 24	19 13	2 9	3 6	0 40	24 17	0 34	17 43	0 58	21 32	1 7	18 26	0 46	22 59	0 7	13 14	7 4	14 58	15 11	16 52		n.a.
W20	12 34	20 5	3 17	18 41	2 9	2 34	0 38	24 18	0 35	17 39	0 58	21 32	1 7	18 26	0 46	22 59	0 7	13 14	7 4	14 57	15 10	16 51		n.a.
T 21	12 13	19 42	4 0	18 8	2 8	2 2	0 35	24 19	0 36	17 35	0 58	21 33	1 7	18 27	0 46	23 0	0 7	13 14	7 4	14 55	15 9	16 50		n.a.
F 22	11 52	18 28	4 32	17 33	2 6	1 31	0 32	24 20	0 37	17 31	0 58	21 33	1 7	18 28	0 46	23 0	0 7	13 14	7 4	14 53	15 8	16 48		n.a.
S 23	11 31	16 26	4 53	16 56	2 4	0 59	0 30	24 20	0 38	17 27	0 58	21 33	1 7	18 28	0 46	23 0	0 7	13 14	7 4	14 50	15 7	16 47		n.a.
S 24	11 10	13 42	5 2	16 17	2 1	0 27	0 27	24 21	0 39	17 22	0 58	21 34	1 7	18 29	0 46	23 0	0 7	13 14	7 4	14 46	15 6	16 46		n.a.
M25	10 49	10 23	4 57	15 37	1 58	0n 5	0 24	24 21	0 40	17 18	0 58	21 34	1 7	18 30	0 46	23 0	0 7	13 14	7 5	14 42	15 5	16 44		n.a.
T 26	10 27	6 37	4 38	14 55	1 55	0 37	0 22	24 21	0 41	17 14	0 58	21 34	1 7	18 30	0 46	23 0	0 7	13 14	7 5	14 38	15 4	16 43		n.a.
W27	10 5	2 33	4 7	14 11	1 51	1 9	0 19	24 20	0 42	17 10	0 59	21 35	1 7	18 31	0 46	23 0	0 7	13 14	7 5	14 34	15 3	16 41		n.a.
T 28	9 43	1n41	3 24	13 26	1 46	1 40	0 16	24 19	0 43	17 6	0 59	21 35	1 7	18 32	0 46	23 0	0 7	13 14	7 5	14 31	15 2	16 40		n.a.
F 29	9s21	5n54	2n30	12s39	1s41	2n12	0s13	24s18	0s44	17s 2	0s59	21s35	1n 7	18n32	0n46	23n 0	0s 7	13s14	7n 5	14s29	15s 1	16s39		n.a.

Julian Day Number = 1640733.5, Delta T = 03h36m33s
Ecliptic obliquity = 23°43'12, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'09, Lahiri = - 7°00'09 Julian Calendar 1 Feb. 221 BCE == Greg. Calendar 28 Jan. 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

MARCH 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 20 31	7♓ 8'44	21♈46	3♓27	7♈12	6♉52	16♒40	13♐40	10°R29	12°R28	28♏52	8°R22	10♏ 1	24♉21	n.a.	S 1
S 2	10 24 28	8° 7'49	4♉42	5°27	8°24	7°36	16°54	13°42	10♌27	12♋27	28°52	8°D21	9°58	24°28	n.a.	S 2
M 3	10 28 24	9° 6'52	17°53	7°28	9°37	8°21	17° 8	13°44	10°25	12°27	28°52	8♏21	9°55	24°35	n.a.	M 3
T 4	10 32 21	10° 5'53	1♊20	9°31	10°50	9° 5	17°22	13°47	10°22	12°26	28°52	8°22	9°52	24°41	n.a.	T 4
W 5	10 36 17	11° 4'51	15° 6	11°34	12° 2	9°49	17°36	13°49	10°20	12°25	28°R52	8°R22	9°49	24°48	n.a.	W 5
T 6	10 40 14	12° 3'47	29°11	13°38	13°14	10°34	17°50	13°51	10°18	12°24	28°52	8°21	9°45	24°55	n.a.	T 6
F 7	10 44 10	13° 2'40	13♋35	15°42	14°27	11°18	18° 4	13°53	10°16	12°24	28°52	8°17	9°42	25° 1	n.a.	F 7
S 8	10 48 7	14° 1'31	28°15	17°47	15°39	12° 2	18°17	13°55	10°14	12°23	28°52	8°12	9°39	25° 8	n.a.	S 8
S 9	10 52 3	15° 0'19	13♌ 5	19°52	16°51	12°47	18°31	13°57	10°12	12°22	28°52	8° 4	9°36	25°15	n.a.	S 9
M10	10 56 0	15°59'06	27°58	21°57	18° 3	13°31	18°45	13°59	10°10	12°22	28°52	7°56	9°33	25°22	n.a.	M10
T 11	10 59 57	16°57'49	12♍45	24° 2	19°16	14°15	18°58	14° 0	10° 8	12°21	28°51	7°48	9°29	25°28	n.a.	T 11
W12	11 3 53	17°56'31	27°19	26° 6	20°27	15° 0	19°12	14° 2	10° 6	12°21	28°51	7°42	9°26	25°35	n.a.	W12
T 13	11 7 50	18°55'11	11♎31	28°10	21°39	15°44	19°25	14° 3	10° 4	12°20	28°51	7°37	9°23	25°42	n.a.	T 13
F 14	11 11 46	19°53'49	25°19	0♈12	22°51	16°29	19°39	14° 5	10° 2	12°20	28°51	7°34	9°20	25°48	n.a.	F 14
S 15	11 15 43	20°52'25	8♏41	2°13	24° 3	17°13	19°52	14° 6	10° 1	12°19	28°50	7°D33	9°17	25°55	n.a.	S 15
S 16	11 19 39	21°50'59	21°38	4°11	25°15	17°57	20° 5	14° 7	9°59	12°19	28°50	7°34	9°14	26° 2	n.a.	S 16
M17	11 23 36	22°49'32	4♐12	6° 8	26°26	18°42	20°19	14° 8	9°57	12°19	28°50	7°36	9°10	26° 9	n.a.	M17
T 18	11 27 32	23°48'03	16°29	8° 2	27°38	19°26	20°32	14° 9	9°55	12°18	28°49	7°37	9° 7	26°15	n.a.	T 18
W19	11 31 29	24°46'32	28°32	9°53	28°49	20°10	20°45	14°10	9°54	12°18	28°49	7°R37	9° 4	26°22	n.a.	W19
T 20	11 35 25	25°44'59	10♑27	11°41	0♉ 1	20°55	20°58	14°11	9°52	12°18	28°48	7°36	9° 1	26°29	n.a.	T 20
F 21	11 39 22	26°43'25	22°18	13°25	1°12	21°39	21°11	14°11	9°51	12°18	28°48	7°33	8°58	26°36	n.a.	F 21
S 22	11 43 19	27°41'49	4♒11	15° 6	2°23	22°23	21°24	14°12	9°49	12°17	28°47	7°28	8°55	26°42	n.a.	S 22
S 23	11 47 15	28°40'11	16° 8	16°43	3°35	23° 8	21°37	14°12	9°48	12°17	28°47	7°22	8°51	26°49	n.a.	S 23
M24	11 51 12	29°38'31	28°13	18°15	4°46	23°52	21°50	14°13	9°46	12°17	28°46	7°15	8°48	26°56	n.a.	M24
T 25	11 55 8	0♈36'50	10♓29	19°44	5°57	24°36	22° 3	14°13	9°45	12°17	28°46	7° 8	8°45	27° 2	n.a.	T 25
W26	11 59 5	1°35'06	22°56	21° 8	7° 8	25°21	22°16	14°13	9°44	12°17	28°45	7° 2	8°42	27° 9	n.a.	W26
T 27	12 3 1	2°33'21	5♈35	22°28	8°18	26° 5	22°28	14°R13	9°42	12°D17	28°44	6°58	8°39	27°16	n.a.	T 27
F 28	12 6 58	3°31'34	18°27	23°43	9°29	26°49	22°41	14°13	9°41	12°17	28°44	6°54	8°35	27°23	n.a.	F 28
S 29	12 10 54	4°29'45	1♉31	24°54	10°40	27°33	22°54	14°13	9°40	12°17	28°43	6°D53	8°32	27°29	n.a.	S 29
S 30	12 14 51	5°27'55	14°48	26° 0	11°51	28°17	23° 6	14°13	9°39	12°17	28°42	6°53	8°29	27°36	n.a.	S 30
M31	12 18 48	6♈26'02	28♉17	27♈ 0	13♉ 1	29♉ 2	23♒19	14♐13	9♌38	12♋17	28♏41	6♏54	8♏26	27♉43	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8s59	9n55	1n27	11s50	1s35	2n44	0s10	24s17	0s45	16s57	0s59	21s36	1n 7	18n33	0n46	23n 1	0s 7	13s13	7n 5	14s28	15s 0	16s37		n.a.
S 2	8 37	13 33	0 19	10 59	1 29	3 16	0 7	24 16	0 46	16 53	0 59	21 36	1 7	18 33	0 46	23 1	0 7	13 13	7 5	14 27	14 59	16 36		n.a.
M 3	8 15	16 33	0s51	10 8	1 22	3 47	0 4	24 14	0 47	16 49	0 59	21 36	1 7	18 34	0 46	23 1	0 7	13 13	7 5	14 27	14 57	16 34		n.a.
T 4	7 52	18 43	2 0	9 14	1 14	4 19	0 1	24 12	0 48	16 45	0 59	21 36	1 7	18 35	0 45	23 1	0 7	13 13	7 6	14 27	14 56	16 33		n.a.
W 5	7 30	19 50	3 4	8 20	1 6	4 50	0n 2	24 10	0 49	16 41	0 59	21 37	1 8	18 35	0 45	23 1	0 7	13 13	7 6	14 27	14 55	16 32		n.a.
T 6	7 7	19 45	3 58	7 24	0 58	5 22	0 5	24 8	0 50	16 37	1 0	21 37	1 8	18 36	0 45	23 1	0 7	13 13	7 6	14 27	14 54	16 30		n.a.
F 7	6 44	18 24	4 38	6 27	0 49	5 53	0 8	24 5	0 51	16 32	1 0	21 37	1 8	18 36	0 45	23 1	0 7	13 13	7 6	14 26	14 53	16 29		n.a.
S 8	6 21	15 50	5 1	5 29	0 39	6 24	0 11	24 2	0 52	16 28	1 0	21 37	1 8	18 37	0 45	23 1	0 7	13 13	7 6	14 24	14 52	16 27		n.a.
S 9	5 58	12 13	5 5	4 31	0 30	6 55	0 14	23 59	0 53	16 24	1 0	21 37	1 8	18 37	0 45	23 1	0 7	13 12	7 6	14 22	14 51	16 26		n.a.
M10	5 35	7 49	4 48	3 31	0 19	7 26	0 17	23 56	0 55	16 20	1 0	21 38	1 8	18 38	0 45	23 1	0 7	13 12	7 6	14 19	14 50	16 25		n.a.
T 11	5 12	2 59	4 11	2 32	0 9	7 56	0 20	23 52	0 56	16 16	1 0	21 38	1 8	18 38	0 45	23 1	0 7	13 12	7 6	14 17	14 49	16 23		n.a.
W12	4 49	1s57	3 19	1 32	0n 2	8 27	0 23	23 48	0 57	16 12	1 0	21 38	1 8	18 39	0 45	23 1	0 7	13 12	7 7	14 14	14 48	16 22		n.a.
T 13	4 26	6 41	2 16	0 32	0 14	8 57	0 27	23 44	0 58	16 8	1 0	21 38	1 8	18 39	0 45	23 1	0 7	13 12	7 7	14 13	14 47	16 20		n.a.
F 14	4 3	10 55	1 6	0n28	0 25	9 27	0 30	23 40	0 59	16 3	1 1	21 38	1 8	18 40	0 45	23 1	0 7	13 12	7 7	14 12	14 46	16 19		n.a.
S 15	3 39	14 28	0n 6	1 27	0 36	9 57	0 33	23 35	1 0	15 59	1 1	21 38	1 8	18 40	0 45	23 2	0 7	13 11	7 7	14 12	14 45	16 17		n.a.
S 16	3 16	17 10	1 15	2 25	0 48	10 26	0 36	23 31	1 1	15 55	1 1	21 38	1 8	18 41	0 45	23 2	0 7	13 11	7 7	14 12	14 44	16 16		n.a.
M17	2 53	18 57	2 19	3 22	0 59	10 56	0 39	23 25	1 2	15 51	1 1	21 38	1 8	18 41	0 45	23 2	0 7	13 11	7 7	14 12	14 43	16 15		n.a.
T 18	2 29	19 48	3 15	4 18	1 10	11 25	0 42	23 20	1 3	15 47	1 1	21 38	1 8	18 42	0 45	23 2	0 7	13 11	7 7	14 13	14 42	16 13		n.a.
W19	2 6	19 42	4 1	5 12	1 21	11 53	0 46	23 15	1 4	15 43	1 1	21 38	1 8	18 42	0 45	23 2	0 7	13 11	7 7	14 13	14 41	16 12		n.a.
T 20	1 42	18 43	4 36	6 5	1 32	12 22	0 49	23 9	1 5	15 39	1 1	21 39	1 8	18 42	0 45	23 2	0 7	13 10	7 7	14 12	14 40	16 10		n.a.
F 21	1 19	16 56	4 59	6 55	1 42	12 50	0 52	23 3	1 7	15 34	1 2	21 39	1 8	18 43	0 45	23 2	0 7	13 10	7 8	14 11	14 39	16 9		n.a.
S 22	0 56	14 26	5 9	7 44	1 52	13 18	0 55	22 57	1 8	15 30	1 2	21 39	1 8	18 43	0 45	23 2	0 7	13 10	7 8	14 10	14 38	16 7		n.a.
S 23	0 32	11 19	5 6	8 30	2 1	13 46	0 58	22 50	1 9	15 26	1 2	21 39	1 8	18 44	0 45	23 2	0 7	13 10	7 8	14 8	14 37	16 6		n.a.
M24	0 9	7 42	4 49	9 14	2 10	14 13	1 1	22 44	1 10	15 22	1 2	21 39	1 8	18 44	0 45	23 2	0 7	13 10	7 8	14 6	14 36	16 5		n.a.
T 25	0n15	3 44	4 19	9 56	2 18	14 40	1 4	22 37	1 11	15 18	1 2	21 39	1 8	18 44	0 45	23 2	0 7	13 9	7 8	14 3	14 35	16 3		n.a.
W26	0 38	0n28	3 36	10 35	2 25	15 7	1 8	22 30	1 12	15 14	1 2	21 39	1 8	18 45	0 45	23 2	0 7	13 9	7 8	14 1	14 34	16 2		n.a.
T 27	1 2	4 43	2 42	11 11	2 32	15 33	1 11	22 23	1 13	15 10	1 3	21 39	1 8	18 45	0 45	23 2	0 7	13 9	7 8	14 0	14 33	16 0		n.a.
F 28	1 25	8 50	1 39	11 45	2 38	15 59	1 14	22 15	1 14	15 6	1 3	21 39	1 8	18 45	0 45	23 2	0 7	13 9	7 8	13 59	14 32	15 59		n.a.
S 29	1 48	12 36	0 29	12 16	2 42	16 25	1 17	22 8	1 15	15 2	1 3	21 39	1 8	18 46	0 45	23 2	0 7	13 8	7 8	13 58	14 31	15 57		n.a.
S 30	2 12	15 47	0s43	12 44	2 46	16 50	1 20	22 0	1 17	14 58	1 3	21 38	1 8	18 46	0 45	23 2	0 7	13 8	7 8	13 58	14 30	15 56		n.a.
M31	2n35	18n 9	1s54	13n 9	2n50	17n14	1n23	21s52	1s18	14s54	1s 3	21s38	1n 9	18n46	0n45	23n 2	0s 7	13s 8	7n 9	13s59	14s29	15s54		n.a.

Julian Day Number = 1640762.5, Delta T = 03h36m32s
Ecliptic obliquity = 23°43'13, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'05, Lahiri = - 7°00'05 Julian Calendar 1 March 221 BCE == Greg. Calendar 26 Feb. 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

APRIL 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 22 44	7♈24'07	11♊58	27♈56	14♉11	29♉46	23♒31	14°R12	9°R37	12♋17	28°R41	6♏56	8♏23	27♉49	n.a.	T 1
W 2	12 26 41	8°22'10	25°51	28°47	15°22	0♒30	23°43	14♐12	9♌36	12°18	28♏40	6°57	8°20	27°56	n.a.	W 2
T 3	12 30 37	9°20'11	9♋55	29°33	16°32	1°14	23°55	14°11	9°35	12°18	28°39	6°R58	8°16	28° 3	n.a.	T 3
F 4	12 34 34	10°18'11	24° 9	0♉14	17°42	1°58	24° 7	14°11	9°34	12°18	28°38	6°57	8°13	28°10	n.a.	F 4
S 5	12 38 30	11°16'08	8♌31	0°50	18°52	2°42	24°19	14°10	9°33	12°18	28°37	6°55	8°10	28°16	n.a.	S 5
S 6	12 42 27	12°14'03	22°57	1°20	20° 2	3°26	24°31	14° 9	9°32	12°19	28°36	6°52	8° 7	28°23	n.a.	S 6
M 7	12 46 23	13°11'56	7♍23	1°45	21°12	4°10	24°43	14° 8	9°32	12°19	28°35	6°49	8° 4	28°30	n.a.	M 7
T 8	12 50 20	14° 9'47	21°43	2° 6	22°21	4°54	24°55	14° 7	9°31	12°19	28°34	6°46	8° 0	28°36	n.a.	T 8
W 9	12 54 16	15° 7'37	5♎52	2°20	23°31	5°38	25° 7	14° 6	9°30	12°20	28°33	6°43	7°57	28°43	n.a.	W 9
T 10	12 58 13	16° 5'25	19°46	2°30	24°41	6°22	25°18	14° 5	9°30	12°20	28°32	6°42	7°54	28°50	n.a.	T 10
F 11	13 2 10	17° 3'11	3♏21	2°R35	25°50	7° 6	25°30	14° 3	9°29	12°21	28°31	6°D41	7°51	28°57	n.a.	F 11
S 12	13 6 6	18° 0'56	16°35	2°34	26°59	7°50	25°41	14° 2	9°29	12°21	28°30	6°41	7°48	29° 3	n.a.	S 12
S 13	13 10 3	18°58'40	29°29	2°29	28° 8	8°34	25°53	14° 0	9°28	12°22	28°29	6°42	7°45	29°10	n.a.	S 13
M14	13 13 59	19°56'22	12♐ 4	2°19	29°17	9°18	26° 4	13°59	9°28	12°22	28°28	6°43	7°41	29°17	n.a.	M14
T 15	13 17 56	20°54'03	24°22	2° 5	0♊26	10° 2	26°15	13°57	9°28	12°23	28°27	6°45	7°38	29°24	n.a.	T 15
W16	13 21 52	21°51'43	6♑28	1°47	1°35	10°45	26°26	13°55	9°27	12°24	28°26	6°46	7°35	29°30	n.a.	W16
T 17	13 25 49	22°49'22	18°25	1°25	2°44	11°29	26°37	13°53	9°27	12°24	28°24	6°R46	7°32	29°37	n.a.	T 17
F 18	13 29 45	23°46'59	0♒19	0°59	3°52	12°13	26°48	13°51	9°27	12°25	28°23	6°46	7°29	29°44	n.a.	F 18
S 19	13 33 42	24°44'36	12°13	0°31	5° 1	12°57	26°59	13°49	9°27	12°26	28°22	6°46	7°26	29°50	n.a.	S 19
S 20	13 37 39	25°42'11	24°12	0° 0	6° 9	13°40	27° 9	13°47	9°27	12°26	28°21	6°45	7°22	29°57	n.a.	S 20
M21	13 41 35	26°39'45	6♓21	29♈28	7°17	14°24	27°20	13°45	9°D27	12°27	28°20	6°43	7°19	0♒ 4	n.a.	M21
T 22	13 45 32	27°37'19	18°42	28°55	8°25	15° 7	27°30	13°43	9°27	12°28	28°18	6°42	7°16	0°11	n.a.	T 22
W23	13 49 28	28°34'51	1♈19	28°20	9°33	15°51	27°41	13°40	9°27	12°29	28°17	6°41	7°13	0°17	n.a.	W23
T 24	13 53 25	29°32'22	14°12	27°46	10°41	16°34	27°51	13°38	9°27	12°30	28°16	6°40	7°10	0°24	n.a.	T 24
F 25	13 57 21	0♉29'51	27°22	27°12	11°48	17°18	28° 1	13°35	9°27	12°31	28°14	6°40	7° 6	0°31	n.a.	F 25
S 26	14 1 18	1°27'20	10♉50	26°40	12°56	18° 1	28°11	13°33	9°28	12°32	28°13	6°D40	7° 3	0°37	n.a.	S 26
S 27	14 5 14	2°24'48	24°32	26° 9	14° 3	18°44	28°21	13°30	9°28	12°33	28°12	6°40	7° 0	0°44	n.a.	S 27
M28	14 9 11	3°22'14	8♊26	25°40	15°10	19°28	28°31	13°27	9°28	12°34	28°10	6°40	6°57	0°51	n.a.	M28
T 29	14 13 8	4°19'39	22°31	25°14	16°17	20°11	28°41	13°25	9°29	12°35	28° 9	6°40	6°54	0°58	n.a.	T 29
W30	14 17 4	5♉17'03	6♋42	24♈51	17♊24	20♒54	28♒50	13♐22	9♌29	12♋36	28♏ 8	6♏41	6♏51	1♒ 4	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n58	19n31	3s 0	13n32	2n52	17n39	1n26	21s43	1s19	14s50	1s 4	21s38	1n 9	18n46	0n45	23n 2	0s 7	13s 8	7n 9	13s59	14s28	15s53		n.a.
W 2	3 21	19 43	3 57	13 51	2 53	18 3	1 29	21 35	1 20	14 46	1 4	21 38	1 9	18 47	0 45	23 2	0 7	13 7	7 9	14 0	14 27	15 51		n.a.
T 3	3 45	18 42	4 40	14 8	2 53	18 26	1 31	21 26	1 21	14 42	1 4	21 38	1 9	18 47	0 45	23 2	0 7	13 7	7 9	14 0	14 26	15 50		n.a.
F 4	4 8	16 31	5 6	14 22	2 52	18 49	1 34	21 17	1 22	14 38	1 4	21 38	1 9	18 47	0 45	23 2	0 7	13 7	7 9	14 0	14 25	15 48		n.a.
S 5	4 31	13 18	5 13	14 33	2 50	19 11	1 37	21 8	1 23	14 35	1 4	21 38	1 9	18 47	0 45	23 2	0 7	13 7	7 9	13 59	14 24	15 47		n.a.
S 6	4 53	9 17	5 1	14 41	2 47	19 33	1 40	20 59	1 24	14 31	1 4	21 38	1 9	18 47	0 45	23 2	0 7	13 6	7 9	13 58	14 23	15 46		n.a.
M 7	5 16	4 43	4 30	14 46	2 43	19 55	1 43	20 49	1 25	14 27	1 5	21 38	1 9	18 48	0 45	23 2	0 7	13 6	7 9	13 57	14 22	15 44		n.a.
T 8	5 39	0s 5	3 43	14 48	2 37	20 16	1 45	20 40	1 27	14 23	1 5	21 37	1 9	18 48	0 45	23 2	0 7	13 6	7 9	13 56	14 21	15 43		n.a.
W 9	6 2	4 49	2 42	14 47	2 31	20 37	1 48	20 30	1 28	14 19	1 5	21 37	1 9	18 48	0 45	23 2	0 7	13 5	7 9	13 55	14 19	15 41		n.a.
T 10	6 24	9 14	1 32	14 43	2 23	20 57	1 50	20 20	1 29	14 16	1 5	21 37	1 9	18 48	0 44	23 2	0 7	13 5	7 9	13 55	14 18	15 40		n.a.
F 11	6 46	13 4	0 18	14 36	2 14	21 16	1 53	20 10	1 30	14 12	1 5	21 37	1 9	18 48	0 44	23 2	0 7	13 5	7 9	13 54	14 17	15 38		n.a.
S 12	7 9	16 7	0n54	14 27	2 4	21 35	1 55	19 59	1 31	14 8	1 6	21 37	1 9	18 48	0 44	23 2	0 7	13 5	7 9	13 54	14 16	15 37		n.a.
S 13	7 31	18 17	2 3	14 14	1 53	21 53	1 58	19 49	1 32	14 4	1 6	21 37	1 9	18 48	0 44	23 2	0 6	13 4	7 9	13 55	14 15	15 35		n.a.
M14	7 53	19 29	3 3	13 59	1 41	22 11	2 0	19 38	1 33	14 1	1 6	21 36	1 9	18 48	0 44	23 2	0 6	13 4	7 10	13 55	14 14	15 34		n.a.
T 15	8 15	19 42	3 54	13 42	1 27	22 29	2 3	19 27	1 34	13 57	1 6	21 36	1 9	18 48	0 44	23 2	0 6	13 4	7 10	13 56	14 13	15 32		n.a.
W16	8 37	19 1	4 33	13 23	1 13	22 45	2 5	19 16	1 36	13 53	1 6	21 36	1 9	18 48	0 44	23 2	0 6	13 3	7 10	13 56	14 12	15 31		n.a.
T 17	8 59	17 29	5 0	13 1	0 58	23 1	2 7	19 5	1 37	13 50	1 7	21 36	1 9	18 48	0 44	23 2	0 6	13 3	7 10	13 56	14 11	15 29		n.a.
F 18	9 20	15 12	5 14	12 37	0 43	23 17	2 9	18 54	1 38	13 46	1 7	21 35	1 9	18 48	0 44	23 2	0 6	13 3	7 10	13 56	14 10	15 28		n.a.
S 19	9 42	12 18	5 15	12 12	0 27	23 32	2 11	18 42	1 39	13 43	1 7	21 35	1 9	18 48	0 44	23 2	0 6	13 3	7 10	13 56	14 9	15 26		n.a.
S 20	10 3	8 52	5 2	11 46	0 10	23 46	2 13	18 31	1 40	13 39	1 7	21 35	1 9	18 48	0 44	23 1	0 6	13 2	7 10	13 55	14 8	15 25		n.a.
M21	10 24	5 2	4 35	11 18	0s 7	24 0	2 15	18 19	1 41	13 36	1 8	21 35	1 9	18 48	0 44	23 1	0 6	13 2	7 10	13 55	14 7	15 23		n.a.
T 22	10 45	0 55	3 55	10 50	0 24	24 13	2 17	18 7	1 42	13 32	1 8	21 34	1 9	18 48	0 44	23 1	0 6	13 2	7 10	13 55	14 6	15 22		n.a.
W23	11 6	3n20	3 4	10 22	0 42	24 25	2 18	17 55	1 43	13 29	1 8	21 34	1 9	18 48	0 44	23 1	0 6	13 1	7 10	13 54	14 5	15 20		n.a.
T 24	11 26	7 31	2 1	9 53	0 59	24 37	2 20	17 43	1 44	13 26	1 8	21 34	1 9	18 48	0 44	23 1	0 6	13 1	7 10	13 54	14 4	15 19		n.a.
F 25	11 47	11 27	0 51	9 26	1 15	24 48	2 22	17 30	1 45	13 22	1 9	21 33	1 9	18 48	0 44	23 1	0 6	13 1	7 10	13 54	14 3	15 17		n.a.
S 26	12 7	14 53	0s23	8 58	1 32	24 59	2 23	17 18	1 47	13 19	1 9	21 33	1 9	18 48	0 44	23 1	0 6	13 1	7 10	13 54	14 2	15 16		n.a.
S 27	12 27	17 33	1 37	8 33	1 48	25 9	2 24	17 5	1 48	13 16	1 9	21 33	1 9	18 48	0 44	23 1	0 6	13 0	7 10	13 54	14 1	15 14		n.a.
M28	12 47	19 13	2 47	8 8	2 3	25 18	2 26	16 53	1 49	13 12	1 9	21 32	1 9	18 48	0 44	23 1	0 6	13 0	7 10	13 54	14 0	15 13		n.a.
T 29	13 7	19 43	3 48	7 45	2 17	25 26	2 27	16 40	1 50	13 9	1 9	21 32	1 9	18 48	0 44	23 1	0 6	13 0	7 10	13 54	13 59	15 11		n.a.
W30	13n26	18n58	4s35	7n24	2s30	25n34	2n28	16s27	1s51	13s 6	1s10	21s32	1n 9	18n47	0n44	23n 1	0s 6	12s59	7n10	13s54	13s57	15s 9		n.a.

Julian Day Number = 1640793.5, Delta T = 03h36m31s
Ecliptic obliquity = 23°43'12, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°07'01, Lahiri = - 7°00'01 Julian Calendar 1 Apr. 221 BCE == Greg. Calendar 28 March 221 BCE

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

MAY 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 21 1	6♉14'26	20♋57	24°R31	18♊31	21♒37	29♒ 0	13°R19	9♌30	12♋37	28°R 6	6♏41	6♏47	1♒11	n.a.	T 1
F 2	14 24 57	7°11'47	5♌12	24♈15	19°37	22°20	29° 9	13♐16	9°30	12°38	28♏ 5	6°41	6°44	1°18	n.a.	F 2
S 3	14 28 54	8° 9'07	19°26	24° 3	20°44	23° 3	29°18	13°12	9°31	12°39	28° 3	6°41	6°41	1°25	n.a.	S 3
S 4	14 32 50	9° 6'26	3♍34	23°55	21°50	23°46	29°27	13° 9	9°32	12°40	28° 2	6°41	6°38	1°31	n.a.	S 4
M 5	14 36 47	10° 3'43	17°36	23°D51	22°56	24°28	29°36	13° 6	9°32	12°41	28° 0	6°41	6°35	1°38	n.a.	M 5
T 6	14 40 43	11° 1'00	1♎29	23°52	24° 1	25°11	29°45	13° 3	9°33	12°43	27°59	6°41	6°31	1°45	n.a.	T 6
W 7	14 44 40	11°58'15	15°10	23°57	25° 7	25°54	29°54	12°59	9°34	12°44	27°57	6°42	6°28	1°51	n.a.	W 7
T 8	14 48 37	12°55'29	28°38	24° 7	26°12	26°36	0♓ 2	12°56	9°35	12°45	27°56	6°42	6°25	1°58	n.a.	T 8
F 9	14 52 33	13°52'43	11♏52	24°21	27°18	27°19	0°11	12°52	9°36	12°46	27°54	6°R42	6°22	2° 5	n.a.	F 9
S 10	14 56 30	14°49'56	24°51	24°40	28°23	28° 1	0°19	12°49	9°37	12°48	27°53	6°42	6°19	2°12	n.a.	S 10
S 11	15 0 26	15°47'08	7♐34	25° 4	29°27	28°44	0°27	12°45	9°38	12°49	27°51	6°41	6°16	2°18	n.a.	S 11
M12	15 4 23	16°44'20	20° 3	25°31	0♋32	29°26	0°35	12°41	9°39	12°51	27°50	6°40	6°12	2°25	n.a.	M12
T 13	15 8 19	17°41'31	2♑19	26° 3	1°36	0♓ 8	0°43	12°38	9°40	12°52	27°48	6°38	6° 9	2°32	n.a.	T 13
W14	15 12 16	18°38'42	14°24	26°39	2°40	0°50	0°51	12°34	9°41	12°53	27°47	6°37	6° 6	2°39	n.a.	W14
T 15	15 16 12	19°35'52	26°21	27°20	3°44	1°32	0°58	12°30	9°43	12°55	27°45	6°35	6° 3	2°45	n.a.	T 15
F 16	15 20 9	20°33'03	8♒15	28° 4	4°48	2°14	1° 6	12°26	9°44	12°56	27°44	6°35	6° 0	2°52	n.a.	F 16
S 17	15 24 6	21°30'12	20° 9	28°53	5°51	2°56	1°13	12°22	9°45	12°58	27°42	6°D34	5°57	2°59	n.a.	S 17
S 18	15 28 2	22°27'22	2♓ 8	29°46	6°54	3°38	1°20	12°18	9°47	12°59	27°41	6°34	5°53	3° 5	n.a.	S 18
M19	15 31 59	23°24'31	14°17	0♉42	7°57	4°20	1°28	12°14	9°48	13° 1	27°39	6°35	5°50	3°12	n.a.	M19
T 20	15 35 55	24°21'40	26°40	1°42	9° 0	5° 1	1°34	12°10	9°50	13° 2	27°38	6°36	5°47	3°19	n.a.	T 20
W21	15 39 52	25°18'49	9♈21	2°46	10° 2	5°43	1°41	12° 6	9°51	13° 4	27°36	6°38	5°44	3°26	n.a.	W21
T 22	15 43 48	26°15'58	22°22	3°54	11° 4	6°24	1°48	12° 2	9°53	13° 6	27°34	6°39	5°41	3°32	n.a.	T 22
F 23	15 47 45	27°13'07	5♉46	5° 5	12° 6	7° 6	1°54	11°58	9°54	13° 7	27°33	6°R39	5°37	3°39	n.a.	F 23
S 24	15 51 41	28°10'16	19°32	6°20	13° 8	7°47	2° 0	11°54	9°56	13° 9	27°31	6°39	5°34	3°46	n.a.	S 24
S 25	15 55 38	29° 7'24	3♊37	7°38	14° 9	8°28	2° 7	11°49	9°58	13°11	27°30	6°38	5°31	3°52	n.a.	S 25
M26	15 59 35	0♊ 4'33	17°59	9° 0	15°10	9° 9	2°12	11°45	10° 0	13°12	27°28	6°35	5°28	3°59	n.a.	M26
T 27	16 3 31	1° 1'41	2♋31	10°26	16°10	9°50	2°18	11°41	10° 2	13°14	27°27	6°32	5°25	4° 6	n.a.	T 27
W28	16 7 28	1°58'48	17° 8	11°54	17°11	10°31	2°24	11°37	10° 3	13°16	27°25	6°29	5°22	4°13	n.a.	W28
T 29	16 11 24	2°55'56	1♌42	13°26	18°10	11°11	2°29	11°32	10° 5	13°18	27°23	6°26	5°18	4°19	n.a.	T 29
F 30	16 15 21	3°53'03	16° 9	15° 2	19°10	11°52	2°35	11°28	10° 7	13°20	27°22	6°23	5°15	4°26	n.a.	F 30
S 31	16 19 17	4♊50'09	0♍24	16♉41	20♋ 9	12♓32	2♓40	11♐24	10♌ 9	13♋21	27♏20	6°D22	5♏12	4♒33	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n45	17n 2	5s 5	7n 6	2s42	25n41	2n29	16s14	1s52	13s 3	1s10	21s31	1n 9	18n47	0n44	23n 1	0s 6	12s59	7n10	13s54	13s56	15s 8		n.a.
F 2	14 4	14 4	5 17	6 49	2 54	25 48	2 30	16 1	1 53	13 0	1 10	21 31	1 9	18 47	0 44	23 1	0 6	12 59	7 10	13 54	13 55	15 6		n.a.
S 3	14 23	10 16	5 9	6 35	3 4	25 54	2 31	15 47	1 54	12 57	1 10	21 31	1 9	18 47	0 44	23 0	0 6	12 58	7 10	13 54	13 54	15 5		n.a.
S 4	14 42	5 55	4 43	6 24	3 13	25 59	2 31	15 34	1 55	12 54	1 11	21 30	1 9	18 47	0 44	23 0	0 6	12 58	7 10	13 54	13 53	15 3		n.a.
M 5	15 0	1 17	4 0	6 16	3 21	26 3	2 32	15 21	1 56	12 51	1 11	21 30	1 9	18 46	0 44	23 0	0 6	12 58	7 10	13 54	13 52	15 2		n.a.
T 6	15 18	3s23	3 3	6 10	3 27	26 7	2 32	15 7	1 57	12 48	1 11	21 29	1 9	18 46	0 44	23 0	0 6	12 58	7 10	13 54	13 51	15 0		n.a.
W 7	15 36	7 50	1 57	6 6	3 33	26 10	2 33	14 53	1 58	12 45	1 12	21 29	1 9	18 46	0 44	23 0	0 6	12 57	7 10	13 55	13 50	14 59		n.a.
T 8	15 54	11 49	0 45	6 6	3 37	26 13	2 33	14 40	1 59	12 42	1 12	21 29	1 9	18 46	0 43	23 0	0 6	12 57	7 10	13 55	13 49	14 57		n.a.
F 9	16 11	15 7	0n29	6 8	3 41	26 15	2 33	14 26	2 0	12 40	1 12	21 28	1 9	18 45	0 43	23 0	0 6	12 57	7 10	13 55	13 48	14 56		n.a.
S 10	16 29	17 36	1 39	6 13	3 43	26 16	2 33	14 12	2 2	12 37	1 12	21 28	1 9	18 45	0 43	23 0	0 6	12 56	7 10	13 55	13 47	14 54		n.a.
S 11	16 45	19 9	2 43	6 20	3 44	26 16	2 33	13 58	2 3	12 34	1 13	21 27	1 9	18 45	0 43	23 0	0 6	12 56	7 10	13 54	13 46	14 53		n.a.
M12	17 2	19 44	3 37	6 30	3 45	26 16	2 33	13 44	2 4	12 32	1 13	21 27	1 9	18 44	0 43	22 59	0 6	12 56	7 9	13 54	13 45	14 51		n.a.
T 13	17 18	19 21	4 21	6 42	3 44	26 15	2 33	13 30	2 5	12 29	1 13	21 26	1 9	18 44	0 43	22 59	0 6	12 56	7 9	13 53	13 44	14 49		n.a.
W14	17 35	18 5	4 53	6 57	3 42	26 14	2 32	13 15	2 6	12 27	1 13	21 26	1 9	18 44	0 43	22 59	0 6	12 55	7 9	13 53	13 43	14 48		n.a.
T 15	17 50	16 2	5 11	7 13	3 40	26 12	2 32	13 1	2 7	12 24	1 14	21 25	1 9	18 43	0 43	22 59	0 6	12 55	7 9	13 52	13 42	14 46		n.a.
F 16	18 6	13 20	5 16	7 33	3 37	26 9	2 31	12 47	2 8	12 22	1 14	21 25	1 9	18 43	0 43	22 59	0 6	12 55	7 9	13 52	13 41	14 45		n.a.
S 17	18 21	10 5	5 7	7 54	3 33	26 5	2 30	12 32	2 9	12 19	1 14	21 24	1 9	18 42	0 43	22 59	0 6	12 55	7 9	13 52	13 39	14 43		n.a.
S 18	18 36	6 24	4 45	8 17	3 28	26 1	2 29	12 18	2 10	12 17	1 15	21 24	1 9	18 42	0 43	22 59	0 6	12 54	7 9	13 52	13 38	14 42		n.a.
M19	18 51	2 25	4 10	8 42	3 22	25 56	2 28	12 4	2 11	12 15	1 15	21 23	1 9	18 42	0 43	22 59	0 6	12 54	7 9	13 52	13 37	14 40		n.a.
T 20	19 5	1n46	3 23	9 9	3 16	25 51	2 27	11 49	2 12	12 12	1 15	21 23	1 9	18 41	0 43	22 58	0 6	12 54	7 9	13 53	13 36	14 39		n.a.
W21	19 19	5 58	2 25	9 37	3 9	25 45	2 25	11 34	2 13	12 10	1 15	21 22	1 9	18 41	0 43	22 58	0 6	12 53	7 9	13 53	13 35	14 37		n.a.
T 22	19 33	10 1	1 18	10 8	3 1	25 38	2 24	11 20	2 14	12 8	1 16	21 22	1 9	18 40	0 43	22 58	0 6	12 53	7 9	13 54	13 34	14 35		n.a.
F 23	19 46	13 41	0 5	10 39	2 53	25 31	2 22	11 5	2 15	12 6	1 16	21 21	1 8	18 40	0 43	22 58	0 6	12 53	7 9	13 54	13 33	14 34		n.a.
S 24	19 59	16 42	1s10	11 12	2 44	25 23	2 20	10 50	2 16	12 4	1 16	21 21	1 8	18 39	0 43	22 58	0 6	12 53	7 9	13 54	13 32	14 32		n.a.
S 25	20 12	18 47	2 23	11 47	2 35	25 15	2 18	10 36	2 17	12 2	1 17	21 20	1 8	18 39	0 43	22 58	0 6	12 52	7 8	13 53	13 31	14 31		n.a.
M26	20 24	19 43	3 28	12 22	2 25	25 6	2 16	10 21	2 18	12 0	1 17	21 20	1 8	18 38	0 43	22 58	0 6	12 52	7 8	13 52	13 30	14 29		n.a.
T 27	20 36	19 22	4 20	12 59	2 15	24 57	2 14	10 6	2 18	11 58	1 17	21 19	1 8	18 38	0 43	22 57	0 6	12 52	7 8	13 51	13 29	14 27		n.a.
W28	20 48	17 43	4 56	13 37	2 5	24 47	2 12	9 52	2 19	11 57	1 17	21 19	1 8	18 37	0 43	22 57	0 6	12 52	7 8	13 50	13 28	14 26		n.a.
T 29	20 59	14 56	5 12	14 15	1 54	24 36	2 9	9 37	2 20	11 55	1 18	21 18	1 8	18 37	0 43	22 57	0 6	12 52	7 8	13 49	13 27	14 24		n.a.
F 30	21 10	11 16	5 9	14 54	1 43	24 25	2 6	9 22	2 21	11 53	1 18	21 18	1 8	18 36	0 43	22 57	0 6	12 51	7 8	13 48	13 26	14 23		n.a.
S 31	21n21	7n 0	4s46	15n34	1s31	24n13	2n 3	9s 7	2s22	11s52	1s18	21s17	1n 8	18n35	0n43	22n57	0s 6	12s51	7n 8	13s48	13s24	14s21		n.a.

Julian Day Number = 1640823.5, Delta T = 03h36m30s
Ecliptic obliquity = 23°43'12, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'57, Lahiri = - 6°59'57 Julian Calendar 1 May 221 BCE == Greg. Calendar 27 Apr. 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

JUNE 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 23 14	5♊47'15	14♍26	18♉23	21♋ 8	13♓12	2♓45	11°R19	10♌11	13♋23	27°R19	6♏23	5♏ 9	4♒40	n.a.	S 1
M 2	16 27 11	6°44'21	28°12	20° 8	22° 6	13°52	2°50	11♐15	10°14	13°25	27♏17	6°24	5° 6	4°46	n.a.	M 2
T 3	16 31 7	7°41'27	11♎44	21°56	23° 4	14°32	2°54	11°10	10°16	13°27	27°16	6°25	5° 3	4°53	n.a.	T 3
W 4	16 35 4	8°38'33	25° 2	23°47	24° 2	15°12	2°59	11° 6	10°18	13°29	27°14	6°26	4°59	5° 0	n.a.	W 4
T 5	16 39 0	9°35'38	8♏ 7	25°40	24°59	15°52	3° 3	11° 2	10°20	13°31	27°13	6°R27	4°56	5° 6	n.a.	T 5
F 6	16 42 57	10°32'44	20°59	27°37	25°55	16°32	3° 7	10°57	10°22	13°33	27°11	6°26	4°53	5°13	n.a.	F 6
S 7	16 46 53	11°29'49	3♐39	29°36	26°52	17°11	3°11	10°53	10°25	13°35	27°10	6°23	4°50	5°20	n.a.	S 7
S 8	16 50 50	12°26'55	16° 7	1♊37	27°47	17°51	3°15	10°48	10°27	13°36	27° 8	6°19	4°47	5°27	n.a.	S 8
M 9	16 54 46	13°24'02	28°26	3°40	28°43	18°30	3°18	10°44	10°30	13°38	27° 7	6°14	4°43	5°33	n.a.	M 9
T 10	16 58 43	14°21'08	10♉35	5°44	29°37	19° 9	3°21	10°40	10°32	13°40	27° 5	6° 7	4°40	5°40	n.a.	T 10
W11	17 2 40	15°18'15	22°36	7°50	0♌31	19°48	3°25	10°35	10°34	13°42	27° 4	6° 0	4°37	5°47	n.a.	W11
T 12	17 6 36	16°15'23	4♒31	9°57	1°25	20°26	3°28	10°31	10°37	13°44	27° 2	5°54	4°34	5°54	n.a.	T 12
F 13	17 10 33	17°12'31	16°24	12° 5	2°18	21° 5	3°31	10°27	10°40	13°46	27° 1	5°48	4°31	6° 0	n.a.	F 13
S 14	17 14 29	18° 9'39	28°17	14°14	3°11	21°43	3°33	10°22	10°42	13°49	26°59	5°44	4°28	6° 7	n.a.	S 14
S 15	17 18 26	19° 6'49	10♓14	16°22	4° 2	22°22	3°36	10°18	10°45	13°51	26°58	5°42	4°24	6°14	n.a.	S 15
M16	17 22 22	20° 3'59	22°21	18°31	4°54	23° 0	3°38	10°14	10°47	13°53	26°57	5°D42	4°21	6°20	n.a.	M16
T 17	17 26 19	21° 1'10	4♈42	20°39	5°44	23°38	3°40	10° 9	10°50	13°55	26°55	5°43	4°18	6°27	n.a.	T 17
W18	17 30 15	21°58'21	17°21	22°47	6°34	24°15	3°42	10° 5	10°53	13°57	26°54	5°44	4°15	6°34	n.a.	W18
T 19	17 34 12	22°55'34	0♉23	24°54	7°23	24°53	3°43	10° 1	10°56	13°59	26°52	5°R45	4°12	6°41	n.a.	T 19
F 20	17 38 9	23°52'48	13°52	27° 0	8°12	25°30	3°45	9°57	10°59	14° 1	26°51	5°45	4° 9	6°47	n.a.	F 20
S 21	17 42 5	24°50'02	27°47	29° 5	9° 0	26° 8	3°46	9°52	11° 1	14° 3	26°50	5°43	4° 5	6°54	n.a.	S 21
S 22	17 46 2	25°47'17	12♊ 7	1♋ 9	9°47	26°45	3°47	9°48	11° 4	14° 5	26°48	5°39	4° 2	7° 1	n.a.	S 22
M23	17 49 58	26°44'33	26°49	3°11	10°33	27°21	3°48	9°44	11° 7	14° 7	26°47	5°33	3°59	7° 8	n.a.	M23
T 24	17 53 55	27°41'50	11♋45	5°12	11°18	27°58	3°49	9°40	11°10	14°10	26°46	5°25	3°56	7°14	n.a.	T 24
W25	17 57 51	28°39'08	26°47	7°11	12° 2	28°34	3°50	9°36	11°13	14°12	26°45	5°17	3°53	7°21	n.a.	W25
T 26	18 1 48	29°36'26	11♌44	9° 9	12°46	29°10	3°50	9°32	11°16	14°14	26°43	5°10	3°49	7°28	n.a.	T 26
F 27	18 5 45	0♋33'45	26°28	11° 5	13°29	29°46	3°R50	9°28	11°19	14°16	26°42	5° 4	3°46	7°34	n.a.	F 27
S 28	18 9 41	1°31'04	10♍54	13° 0	14°10	0♈22	3°50	9°24	11°22	14°18	26°41	5° 0	3°43	7°41	n.a.	S 28
S 29	18 13 38	2°28'24	24°59	14°53	14°51	0°58	3°50	9°20	11°25	14°20	26°40	4°59	3°40	7°48	n.a.	S 29
M30	18 17 34	3♋25'45	8♎41	16♋44	15♌30	1♈33	3♓49	9♐16	11♌29	14♋23	26♏39	4°D58	3♏37	7♒55	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n31	2n24	4s 7	16n14	1s19	24n 1	2n 0	8s52	2s23	11s50	1s19	21s17	1n 8	18n35	0n43	22n57	0s 6	12s51	7n 8	13s48	13s23	14s20		n.a.
M 2	21 41	2s14	3 14	16 54	1 8	23 48	1 57	8 38	2 24	11 49	1 19	21 16	1 8	18 34	0 43	22 56	0 6	12 51	7 7	13 49	13 22	14 18		n.a.
T 3	21 51	6 42	2 11	17 34	0 56	23 35	1 54	8 23	2 25	11 47	1 19	21 16	1 8	18 34	0 43	22 56	0 6	12 51	7 7	13 49	13 21	14 16		n.a.
W 4	22 0	10 46	1 2	18 14	0 44	23 22	1 50	8 8	2 26	11 46	1 20	21 15	1 8	18 33	0 43	22 56	0 6	12 50	7 7	13 49	13 20	14 15		n.a.
T 5	22 9	14 14	0n 9	18 53	0 32	23 8	1 46	7 53	2 27	11 45	1 20	21 15	1 8	18 32	0 43	22 56	0 6	12 50	7 7	13 50	13 19	14 13		n.a.
F 6	22 17	16 57	1 18	19 32	0 20	22 53	1 43	7 38	2 28	11 44	1 20	21 14	1 8	18 32	0 43	22 56	0 6	12 50	7 7	13 49	13 18	14 12		n.a.
S 7	22 25	18 48	2 23	20 10	0 9	22 38	1 38	7 23	2 28	11 42	1 21	21 13	1 7	18 31	0 42	22 55	0 6	12 50	7 7	13 48	13 17	14 10		n.a.
S 8	22 33	19 41	3 19	20 46	0n 3	22 23	1 34	7 9	2 29	11 41	1 21	21 13	1 7	18 30	0 42	22 55	0 6	12 50	7 6	13 47	13 16	14 8		n.a.
M 9	22 40	19 37	4 5	21 21	0 14	22 7	1 30	6 54	2 30	11 40	1 21	21 12	1 7	18 30	0 42	22 55	0 6	12 49	7 6	13 45	13 15	14 7		n.a.
T 10	22 47	18 39	4 40	21 55	0 25	21 51	1 25	6 39	2 31	11 39	1 22	21 12	1 7	18 29	0 42	22 55	0 6	12 49	7 6	13 43	13 14	14 5		n.a.
W11	22 54	16 51	5 1	22 27	0 35	21 35	1 20	6 25	2 32	11 39	1 22	21 11	1 7	18 28	0 42	22 55	0 6	12 49	7 6	13 41	13 13	14 4		n.a.
T 12	23 0	14 21	5 9	22 56	0 44	21 18	1 15	6 10	2 33	11 38	1 22	21 11	1 7	18 27	0 42	22 54	0 6	12 49	7 6	13 38	13 12	14 2		n.a.
F 13	23 6	11 16	5 4	23 23	0 54	21 1	1 10	5 55	2 33	11 37	1 23	21 10	1 7	18 27	0 42	22 54	0 6	12 49	7 6	13 37	13 10	14 0		n.a.
S 14	23 11	7 45	4 46	23 48	1 2	20 44	1 5	5 41	2 34	11 36	1 23	21 10	1 7	18 26	0 42	22 54	0 6	12 49	7 5	13 35	13 9	13 59		n.a.
S 15	23 16	3 53	4 15	24 11	1 10	20 26	0 59	5 26	2 35	11 36	1 23	21 9	1 7	18 25	0 42	22 54	0 6	12 49	7 5	13 35	13 8	13 57		n.a.
M16	23 21	0n11	3 33	24 30	1 17	20 8	0 54	5 12	2 36	11 35	1 24	21 9	1 7	18 24	0 42	22 54	0 6	12 48	7 5	13 35	13 7	13 56		n.a.
T 17	23 25	4 20	2 40	24 47	1 24	19 50	0 48	4 57	2 37	11 35	1 24	21 8	1 7	18 24	0 42	22 53	0 6	12 48	7 5	13 35	13 6	13 54		n.a.
W18	23 28	8 24	1 38	25 1	1 30	19 31	0 41	4 43	2 37	11 34	1 24	21 8	1 6	18 23	0 42	22 53	0 6	12 48	7 5	13 35	13 5	13 52		n.a.
T 19	23 32	12 12	0 29	25 12	1 35	19 12	0 35	4 28	2 38	11 34	1 25	21 7	1 6	18 22	0 42	22 53	0 6	12 48	7 4	13 36	13 4	13 51		n.a.
F 20	23 35	15 29	0s44	25 20	1 39	18 53	0 28	4 14	2 39	11 34	1 25	21 7	1 6	18 21	0 42	22 53	0 5	12 48	7 4	13 35	13 3	13 49		n.a.
S 21	23 37	18 1	1 56	25 26	1 43	18 34	0 22	4 0	2 40	11 34	1 25	21 6	1 6	18 20	0 42	22 53	0 5	12 48	7 4	13 35	13 2	13 47		n.a.
S 22	23 39	19 29	3 3	25 29	1 46	18 15	0 15	3 46	2 41	11 34	1 26	21 6	1 6	18 20	0 42	22 52	0 5	12 48	7 4	13 33	13 1	13 46		n.a.
M23	23 41	19 42	3 59	25 29	1 48	17 55	0 7	3 31	2 41	11 34	1 26	21 5	1 6	18 19	0 42	22 52	0 5	12 48	7 4	13 31	13 0	13 44		n.a.
T 24	23 42	18 32	4 40	25 26	1 49	17 35	0 0	3 17	2 42	11 34	1 26	21 5	1 6	18 18	0 42	22 52	0 5	12 48	7 3	13 29	12 59	13 43		n.a.
W25	23 43	16 6	5 2	25 21	1 50	17 16	0s 8	3 3	2 43	11 34	1 27	21 4	1 6	18 17	0 42	22 52	0 5	12 48	7 3	13 26	12 57	13 41		n.a.
T 26	23 43	12 36	5 4	25 14	1 51	16 56	0 15	2 50	2 43	11 34	1 27	21 4	1 6	18 16	0 42	22 52	0 5	12 48	7 3	13 24	12 56	13 39		n.a.
F 27	23 43	8 22	4 45	25 5	1 50	16 36	0 23	2 36	2 44	11 34	1 27	21 3	1 5	18 15	0 42	22 51	0 5	12 47	7 3	13 22	12 55	13 38		n.a.
S 28	23 43	3 44	4 8	24 53	1 49	16 16	0 32	2 22	2 45	11 35	1 28	21 3	1 5	18 15	0 42	22 51	0 5	12 47	7 2	13 21	12 54	13 36		n.a.
S 29	23 42	1s 0	3 17	24 40	1 48	15 56	0 40	2 8	2 45	11 35	1 28	21 2	1 5	18 14	0 42	22 51	0 5	12 47	7 2	13 20	12 53	13 34		n.a.
M30	23n40	5s34	2s16	24n24	1n45	15n36	0s49	1s55	2s46	11s35	1s28	21s 2	1n 5	18n13	0n42	22n51	0s 5	12s47	7n 2	13s20	12s52	13s33		n.a.

Julian Day Number = 1640854.5, Delta T = 03h36m29s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'53, Lahiri = - 6°59'52 Julian Calendar 1 June 221 BCE == Greg. Calendar 28 May 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

JULY 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 21 31	4♋23'06	22♎ 3	18♋34	16♌ 9	2♈ 8	3°R48	9°R13	11♌32	14♋25	26°R37	4♏59	3♏34	8♒ 1	n.a.	T 1
W 2	18 25 27	5°20'28	5♏ 6	20°22	16°46	2°43	3♓48	9♐ 9	11°35	14°27	26♏36	5°R 0	3°30	8° 8	n.a.	W 2
T 3	18 29 24	6°17'51	17°53	22° 9	17°22	3°17	3°47	9° 5	11°38	14°29	26°35	4°59	3°27	8°15	n.a.	T 3
F 4	18 33 20	7°15'14	0♐27	23°53	17°57	3°51	3°45	9° 2	11°41	14°31	26°34	4°56	3°24	8°21	n.a.	F 4
S 5	18 37 17	8°12'39	12°51	25°37	18°30	4°25	3°44	8°58	11°45	14°34	26°33	4°50	3°21	8°28	n.a.	S 5
S 6	18 41 14	9°10'05	25° 6	27°18	19° 3	4°59	3°42	8°54	11°48	14°36	26°32	4°42	3°18	8°35	n.a.	S 6
M 7	18 45 10	10° 7'31	7♑13	28°58	19°33	5°33	3°40	8°51	11°51	14°38	26°31	4°32	3°15	8°42	n.a.	M 7
T 8	18 49 7	11° 4'59	19°15	0♌37	20° 3	6° 6	3°38	8°48	11°55	14°40	26°30	4°20	3°11	8°48	n.a.	T 8
W 9	18 53 3	12° 2'28	1♒11	2°13	20°31	6°39	3°36	8°44	11°58	14°43	26°29	4° 8	3° 8	8°55	n.a.	W 9
T 10	18 57 0	12°59'59	13° 4	3°49	20°57	7°12	3°34	8°41	12° 1	14°45	26°28	3°56	3° 5	9° 2	n.a.	T 10
F 11	19 0 56	13°57'31	24°55	5°22	21°22	7°44	3°31	8°38	12° 5	14°47	26°27	3°46	3° 2	9° 9	n.a.	F 11
S 12	19 4 53	14°55'04	6♓48	6°54	21°44	8°16	3°28	8°35	12° 8	14°49	26°26	3°38	2°59	9°15	n.a.	S 12
S 13	19 8 49	15°52'39	18°45	8°25	22° 6	8°48	3°25	8°32	12°12	14°51	26°25	3°32	2°55	9°22	n.a.	S 13
M14	19 12 46	16°50'15	0♈50	9°54	22°25	9°20	3°22	8°29	12°15	14°54	26°24	3°29	2°52	9°29	n.a.	M14
T 15	19 16 43	17°47'53	13° 8	11°21	22°43	9°51	3°19	8°26	12°19	14°56	26°24	3°D28	2°49	9°35	n.a.	T 15
W16	19 20 39	18°45'33	25°43	12°46	22°59	10°22	3°15	8°23	12°22	14°58	26°23	3°28	2°46	9°42	n.a.	W16
T 17	19 24 36	19°43'14	8♉41	14°10	23°12	10°53	3°12	8°20	12°26	15° 0	26°22	3°R28	2°43	9°49	n.a.	T 17
F 18	19 28 32	20°40'57	22° 6	15°33	23°24	11°23	3° 8	8°18	12°29	15° 3	26°21	3°27	2°40	9°56	n.a.	F 18
S 19	19 32 29	21°38'42	6♊ 0	16°53	23°34	11°53	3° 4	8°15	12°33	15° 5	26°21	3°24	2°36	10° 2	n.a.	S 19
S 20	19 36 25	22°36'29	20°23	18°12	23°42	12°22	2°59	8°12	12°36	15° 7	26°20	3°18	2°33	10° 9	n.a.	S 20
M21	19 40 22	23°34'17	5♋11	19°29	23°47	12°52	2°55	8°10	12°40	15° 9	26°19	3°10	2°30	10°16	n.a.	M21
T 22	19 44 18	24°32'07	20°19	20°44	23°50	13°20	2°50	8° 8	12°44	15°11	26°19	3° 0	2°27	10°23	n.a.	T 22
W23	19 48 15	25°29'59	5♌36	21°57	23°R51	13°49	2°45	8° 5	12°47	15°14	26°18	2°49	2°24	10°29	n.a.	W23
T 24	19 52 12	26°27'52	20°50	23° 8	23°50	14°17	2°40	8° 3	12°51	15°16	26°17	2°38	2°21	10°36	n.a.	T 24
F 25	19 56 8	27°25'47	5♍52	24°18	23°46	14°45	2°35	8° 1	12°55	15°18	26°17	2°30	2°17	10°43	n.a.	F 25
S 26	20 0 5	28°23'43	20°32	25°24	23°40	15°12	2°30	7°59	12°58	15°20	26°16	2°24	2°14	10°49	n.a.	S 26
S 27	20 4 1	29°21'40	4♎47	26°29	23°32	15°39	2°25	7°57	13° 2	15°22	26°16	2°20	2°11	10°56	n.a.	S 27
M28	20 7 58	0♌19'39	18°34	27°31	23°21	16° 5	2°19	7°55	13° 6	15°25	26°15	2°19	2° 8	11° 3	n.a.	M28
T 29	20 11 54	1°17'39	1♏55	28°31	23° 8	16°31	2°13	7°53	13° 9	15°27	26°15	2°19	2° 5	11°10	n.a.	T 29
W30	20 15 51	2°15'41	14°53	29°28	22°52	16°57	2° 7	7°52	13°13	15°29	26°14	2°18	2° 1	11°16	n.a.	W30
T 31	20 19 47	3♌13'44	27♏33	0♍22	22♌35	17♈22	2♓ 1	7♐50	13♌17	15♋31	26♏14	2♏17	1♏58	11♒23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n39	9s45	1s 9	24n 7	1n43	15n16	0s58	1s41	2s47	11s36	1s29	21s 1	1n 5	18n12	0n42	22n50	0s 5	12s47	7n 2	13s20	12s51	13s31		n.a.	T 1
W 2	23 37	13 22	0n 1	23 48	1 40	14 56	1 7	1 28	2 47	11 37	1 29	21 1	1 5	18 11	0 42	22 50	0 5	12 47	7 1	13 20	12 50	13 29		n.a.	W 2
T 3	23 34	16 16	1 8	23 27	1 36	14 36	1 17	1 15	2 48	11 37	1 29	21 0	1 5	18 10	0 42	22 50	0 5	12 47	7 1	13 20	12 49	13 28		n.a.	T 3
F 4	23 31	18 21	2 11	23 5	1 32	14 16	1 26	1 1	2 49	11 38	1 30	21 0	1 4	18 9	0 42	22 50	0 5	12 47	7 1	13 19	12 48	13 26		n.a.	F 4
S 5	23 28	19 31	3 7	22 42	1 27	13 56	1 36	0 48	2 49	11 39	1 30	21 0	1 4	18 8	0 42	22 50	0 5	12 47	7 1	13 17	12 47	13 25		n.a.	S 5
S 6	23 24	19 44	3 54	22 17	1 22	13 36	1 46	0 35	2 50	11 40	1 30	20 59	1 4	18 7	0 42	22 49	0 5	12 47	7 0	13 14	12 45	13 23		n.a.	S 6
M 7	23 20	19 3	4 29	21 51	1 17	13 17	1 57	0 22	2 50	11 41	1 30	20 59	1 4	18 6	0 42	22 49	0 5	12 47	7 0	13 11	12 44	13 21		n.a.	M 7
T 8	23 15	17 31	4 52	21 25	1 11	12 58	2 7	0 10	2 51	11 42	1 31	20 58	1 4	18 5	0 42	22 49	0 5	12 47	7 0	13 7	12 43	13 20		n.a.	T 8
W 9	23 10	15 14	5 1	20 57	1 5	12 39	2 18	0n 3	2 52	11 43	1 31	20 58	1 4	18 4	0 42	22 49	0 5	12 47	7 0	13 3	12 42	13 18		n.a.	W 9
T 10	23 5	12 20	4 58	20 28	0 58	12 20	2 29	0 16	2 52	11 44	1 31	20 58	1 4	18 3	0 42	22 48	0 5	12 48	6 59	12 59	12 41	13 16		n.a.	T 10
F 11	22 59	8 56	4 42	19 59	0 52	12 1	2 40	0 28	2 53	11 45	1 32	20 57	1 3	18 2	0 42	22 48	0 5	12 48	6 59	12 55	12 40	13 15		n.a.	F 11
S 12	22 52	5 12	4 13	19 29	0 44	11 43	2 51	0 40	2 53	11 47	1 32	20 57	1 3	18 1	0 42	22 48	0 5	12 48	6 59	12 52	12 39	13 13		n.a.	S 12
S 13	22 46	1 14	3 34	18 58	0 37	11 25	3 3	0 52	2 54	11 48	1 32	20 57	1 3	18 0	0 42	22 48	0 5	12 48	6 59	12 50	12 38	13 11		n.a.	S 13
M14	22 39	2n50	2 44	18 27	0 29	11 8	3 15	1 5	2 54	11 50	1 33	20 56	1 3	17 59	0 42	22 47	0 5	12 48	6 58	12 49	12 37	13 10		n.a.	M14
T 15	22 31	6 52	1 46	17 55	0 21	10 51	3 27	1 16	2 55	11 51	1 33	20 56	1 3	17 58	0 42	22 47	0 5	12 48	6 58	12 49	12 36	13 8		n.a.	T 15
W16	22 23	10 41	0 41	17 23	0 13	10 34	3 39	1 28	2 55	11 53	1 33	20 56	1 3	17 57	0 42	22 47	0 5	12 48	6 58	12 49	12 34	13 6		n.a.	W16
T 17	22 15	14 8	0s28	16 51	0 5	10 18	3 51	1 40	2 56	11 54	1 34	20 55	1 3	17 56	0 42	22 47	0 5	12 48	6 57	12 49	12 33	13 5		n.a.	T 17
F 18	22 6	16 57	1 37	16 18	0s 4	10 2	4 4	1 51	2 56	11 56	1 34	20 55	1 2	17 55	0 42	22 46	0 5	12 48	6 57	12 49	12 32	13 3		n.a.	F 18
S 19	21 57	18 53	2 43	15 45	0 13	9 47	4 17	2 3	2 57	11 58	1 34	20 55	1 2	17 54	0 42	22 46	0 5	12 48	6 57	12 48	12 31	13 1		n.a.	S 19
S 20	21 48	19 42	3 41	15 12	0 22	9 33	4 29	2 14	2 57	12 0	1 34	20 55	1 2	17 53	0 42	22 46	0 5	12 48	6 57	12 46	12 30	13 0		n.a.	S 20
M21	21 38	19 11	4 26	14 40	0 31	9 19	4 42	2 25	2 57	12 1	1 35	20 54	1 2	17 52	0 42	22 46	0 5	12 49	6 56	12 43	12 29	12 58		n.a.	M21
T 22	21 28	17 20	4 53	14 7	0 40	9 5	4 55	2 36	2 58	12 3	1 35	20 54	1 2	17 51	0 42	22 46	0 5	12 49	6 56	12 39	12 28	12 56		n.a.	T 22
W23	21 17	14 14	5 0	13 34	0 50	8 53	5 8	2 47	2 58	12 5	1 35	20 54	1 2	17 50	0 42	22 45	0 5	12 49	6 56	12 35	12 27	12 55		n.a.	W23
T 24	21 6	10 12	4 46	13 2	0 59	8 41	5 21	2 57	2 59	12 7	1 36	20 54	1 1	17 49	0 42	22 45	0 5	12 49	6 55	12 32	12 26	12 53		n.a.	T 24
F 25	20 55	5 34	4 12	12 30	1 9	8 30	5 34	3 8	2 59	12 10	1 36	20 54	1 1	17 48	0 42	22 45	0 5	12 49	6 55	12 29	12 25	12 51		n.a.	F 25
S 26	20 43	0 43	3 21	11 58	1 19	8 20	5 47	3 18	2 59	12 12	1 36	20 53	1 1	17 47	0 42	22 45	0 5	12 49	6 55	12 27	12 23	12 50		n.a.	S 26
S 27	20 31	4s 3	2 20	11 26	1 29	8 10	6 0	3 28	3 0	12 14	1 36	20 53	1 1	17 46	0 42	22 44	0 5	12 50	6 54	12 26	12 22	12 48		n.a.	S 27
M28	20 19	8 28	1 12	10 56	1 39	8 2	6 12	3 38	3 0	12 16	1 37	20 53	1 1	17 45	0 42	22 44	0 5	12 50	6 54	12 25	12 21	12 46		n.a.	M28
T 29	20 6	12 19	0 2	10 26	1 49	7 54	6 25	3 48	3 0	12 19	1 37	20 53	1 1	17 44	0 42	22 44	0 5	12 50	6 54	12 25	12 20	12 45		n.a.	T 29
W30	19 53	15 27	1n 6	9 56	1 59	7 48	6 37	3 58	3 0	12 21	1 37	20 53	1 0	17 43	0 42	22 44	0 5	12 50	6 54	12 25	12 19	12 43		n.a.	W30
T 31	19n40	17s45	2n 9	9n28	2s 9	7n42	6s49	4n 7	3s 1	12s23	1s37	20s53	1n 0	17n42	0n42	22n43	0s 5	12s50	6n53	12s24	12s18	12s41		n.a.	T 31

Julian Day Number = 1640884.5, Delta T = 03h36m28s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'49, Lahiri = - 6°59'48 Julian Calendar 1 July 221 BCE == Greg. Calendar 27 June 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

AUGUST 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 23 44	4♌11'49	9♐57	1♍13	22°R14	17♈46	1°R55	7°R49	13♌21	15♋33	26°R14	2°R13	1♏55	11♒30	n.a.	F 1
S 2	20 27 41	5° 9'55	22°10	2° 1	21♌52	18°11	1♓49	7♐47	13°24	15°35	26♏13	2♏ 7	1°52	11°36	n.a.	S 2
S 3	20 31 37	6° 8'03	4♑15	2°46	21°28	18°34	1°43	7°46	13°28	15°37	26°13	1°58	1°49	11°43	n.a.	S 3
M 4	20 35 34	7° 6'13	16°14	3°27	21° 1	18°58	1°36	7°45	13°32	15°40	26°13	1°46	1°46	11°50	n.a.	M 4
T 5	20 39 30	8° 4'24	28° 9	4° 4	20°33	19°20	1°29	7°44	13°36	15°42	26°13	1°33	1°42	11°57	n.a.	T 5
W 6	20 43 27	9° 2'37	10♒ 2	4°37	20° 3	19°43	1°23	7°43	13°39	15°44	26°12	1°18	1°39	12° 3	n.a.	W 6
T 7	20 47 23	10° 0'52	21°55	5° 6	19°31	20° 5	1°16	7°42	13°43	15°46	26°12	1° 5	1°36	12°10	n.a.	T 7
F 8	20 51 20	10°59'09	3♓48	5°29	18°58	20°26	1° 9	7°41	13°47	15°48	26°12	0°53	1°33	12°17	n.a.	F 8
S 9	20 55 16	11°57'28	15°43	5°48	18°24	20°46	1° 2	7°40	13°51	15°50	26°12	0°43	1°30	12°24	n.a.	S 9
S 10	20 59 13	12°55'49	27°43	6° 2	17°48	21° 7	0°54	7°39	13°54	15°52	26°12	0°37	1°26	12°30	n.a.	S 10
M11	21 3 9	13°54'13	9♈51	6° 9	17°12	21°26	0°47	7°39	13°58	15°54	26°12	0°33	1°23	12°37	n.a.	M11
T 12	21 7 6	14°52'38	22° 9	6°R11	16°36	21°45	0°40	7°38	14° 2	15°56	26°D12	0°31	1°20	12°44	n.a.	T 12
W13	21 11 3	15°51'06	4♉44	6° 7	15°59	22° 4	0°32	7°38	14° 6	15°58	26°12	0°D31	1°17	12°50	n.a.	W13
T 14	21 14 59	16°49'36	17°38	5°56	15°22	22°22	0°25	7°38	14° 9	16° 0	26°12	0°R31	1°14	12°57	n.a.	T 14
F 15	21 18 56	17°48'08	0♊56	5°38	14°45	22°39	0°17	7°38	14°13	16° 2	26°12	0°30	1°11	13° 4	n.a.	F 15
S 16	21 22 52	18°46'42	14°42	5°14	14° 9	22°55	0° 9	7°D38	14°17	16° 4	26°12	0°28	1° 7	13°11	n.a.	S 16
S 17	21 26 49	19°45'19	28°56	4°43	13°34	23°11	0° 1	7°38	14°21	16° 6	26°12	0°23	1° 4	13°17	n.a.	S 17
M18	21 30 45	20°43'59	13♋37	4° 4	12°59	23°27	29♒54	7°38	14°25	16° 8	26°13	0°16	1° 1	13°24	n.a.	M18
T 19	21 34 42	21°42'40	28°40	3°20	12°25	23°41	29°46	7°38	14°28	16°10	26°13	0° 7	0°58	13°31	n.a.	T 19
W20	21 38 38	22°41'24	13♌56	2°29	11°53	23°55	29°38	7°38	14°32	16°11	26°13	29♎57	0°55	13°37	n.a.	W20
T 21	21 42 35	23°40'10	29°14	1°33	11°22	24° 8	29°30	7°39	14°36	16°13	26°13	29°47	0°52	13°44	n.a.	T 21
F 22	21 46 32	24°38'57	14♍23	0°33	10°53	24°21	29°22	7°39	14°40	16°15	26°14	29°39	0°48	13°51	n.a.	F 22
S 23	21 50 28	25°37'47	29°13	29♌30	10°26	24°33	29°14	7°40	14°43	16°17	26°14	29°33	0°45	13°58	n.a.	S 23
S 24	21 54 25	26°36'39	13♎38	28°24	10° 1	24°44	29° 6	7°41	14°47	16°19	26°14	29°30	0°42	14° 4	n.a.	S 24
M25	21 58 21	27°35'32	27°34	27°18	9°37	24°54	28°58	7°41	14°51	16°21	26°15	29°D29	0°39	14°11	n.a.	M25
T 26	22 2 18	28°34'28	11♏ 2	26°14	9°16	25° 4	28°50	7°42	14°54	16°22	26°15	29°29	0°36	14°18	n.a.	T 26
W27	22 6 14	29°33'25	24° 4	25°12	8°57	25°12	28°42	7°43	14°58	16°24	26°16	29°R30	0°32	14°25	n.a.	W27
T 28	22 10 11	0♍32'24	6♐43	24°15	8°40	25°20	28°34	7°44	15° 2	16°26	26°16	29°30	0°29	14°31	n.a.	T 28
F 29	22 14 7	1°31'25	19° 5	23°24	8°26	25°28	28°26	7°46	15° 5	16°28	26°17	29°28	0°26	14°38	n.a.	F 29
S 30	22 18 4	2°30'28	1♑14	22°41	8°14	25°34	28°18	7°47	15° 9	16°29	26°17	29°24	0°23	14°45	n.a.	S 30
S 31	22 22 0	3♍29'33	13♑14	22♌ 6	8♌ 5	25♈40	28♒10	7♐48	15♌13	16♋31	26♏18	29♎18	0♏20	14♒51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n26	19s 9	3n 5	9n 0	2s19	7n38	7s 1	4n16	3s 1	12s26	1s38	20s53	1n 0	17n40	0n42	22n43	0s 5	12s51	6n53	12s23	12s17	12s40		n.a.
S 2	19 12	19 39	3 51	8 34	2 29	7 34	7 12	4 25	3 1	12 28	1 38	20 53	1 0	17 39	0 42	22 43	0 5	12 51	6 53	12 21	12 16	12 38		n.a.
S 3	18 58	19 13	4 26	8 9	2 38	7 32	7 23	4 34	3 1	12 31	1 38	20 53	1 0	17 38	0 42	22 43	0 5	12 51	6 52	12 18	12 15	12 36		n.a.
M 4	18 43	17 56	4 49	7 45	2 48	7 30	7 33	4 43	3 1	12 33	1 38	20 53	1 0	17 37	0 42	22 42	0 5	12 51	6 52	12 14	12 13	12 34		n.a.
T 5	18 28	15 53	4 59	7 23	2 57	7 30	7 43	4 52	3 2	12 36	1 38	20 53	0 59	17 36	0 42	22 42	0 5	12 52	6 52	12 9	12 12	12 33		n.a.
W 6	18 12	13 11	4 56	7 3	3 6	7 30	7 52	5 0	3 2	12 39	1 39	20 53	0 59	17 35	0 42	22 42	0 5	12 52	6 51	12 4	12 11	12 31		n.a.
T 7	17 57	9 57	4 41	6 44	3 15	7 32	8 0	5 8	3 2	12 41	1 39	20 53	0 59	17 34	0 42	22 42	0 5	12 52	6 51	11 59	12 10	12 29		n.a.
F 8	17 41	6 19	4 13	6 27	3 24	7 35	8 8	5 16	3 2	12 44	1 39	20 53	0 59	17 33	0 42	22 41	0 5	12 52	6 51	11 55	12 9	12 28		n.a.
S 9	17 24	2 25	3 33	6 13	3 31	7 39	8 15	5 24	3 2	12 47	1 39	20 53	0 59	17 32	0 42	22 41	0 5	12 53	6 50	11 52	12 8	12 26		n.a.
S 10	17 8	1n35	2 44	6 1	3 39	7 43	8 21	5 31	3 2	12 50	1 39	20 53	0 59	17 31	0 42	22 41	0 5	12 53	6 50	11 49	12 7	12 24		n.a.
M11	16 51	5 35	1 47	5 52	3 46	7 49	8 26	5 39	3 2	12 52	1 40	20 53	0 58	17 30	0 42	22 41	0 5	12 53	6 50	11 48	12 6	12 23		n.a.
T 12	16 34	9 25	0 44	5 46	3 52	7 55	8 31	5 46	3 2	12 55	1 40	20 53	0 58	17 28	0 42	22 41	0 5	12 54	6 49	11 47	12 5	12 21		n.a.
W13	16 16	12 54	0s22	5 43	3 57	8 3	8 34	5 53	3 2	12 58	1 40	20 53	0 58	17 27	0 42	22 40	0 5	12 54	6 49	11 47	12 3	12 19		n.a.
T 14	15 59	15 51	1 30	5 43	4 1	8 11	8 37	6 0	3 2	13 1	1 40	20 53	0 58	17 26	0 42	22 40	0 5	12 54	6 49	11 47	12 2	12 17		n.a.
F 15	15 41	18 4	2 34	5 46	4 4	8 20	8 38	6 6	3 2	13 4	1 40	20 53	0 58	17 25	0 42	22 40	0 5	12 55	6 48	11 47	12 1	12 16		n.a.
S 16	15 22	19 19	3 32	5 54	4 6	8 29	8 39	6 12	3 2	13 7	1 40	20 53	0 58	17 24	0 42	22 40	0 5	12 55	6 48	11 46	12 0	12 14		n.a.
S 17	15 4	19 24	4 19	6 5	4 6	8 39	8 39	6 18	3 2	13 9	1 40	20 54	0 57	17 23	0 42	22 39	0 5	12 55	6 48	11 44	11 59	12 12		n.a.
M18	14 45	18 12	4 50	6 20	4 4	8 50	8 38	6 24	3 1	13 12	1 41	20 54	0 57	17 22	0 42	22 39	0 5	12 56	6 48	11 42	11 58	12 11		n.a.
T 19	14 26	15 44	5 2	6 39	4 1	9 1	8 36	6 30	3 1	13 15	1 41	20 54	0 57	17 21	0 42	22 39	0 5	12 56	6 47	11 39	11 57	12 9		n.a.
W20	14 7	12 9	4 54	7 2	3 56	9 13	8 33	6 35	3 1	13 18	1 41	20 54	0 57	17 20	0 42	22 39	0 5	12 56	6 47	11 35	11 56	12 7		n.a.
T 21	13 47	7 45	4 24	7 28	3 50	9 25	8 29	6 40	3 1	13 21	1 41	20 54	0 57	17 18	0 42	22 39	0 5	12 57	6 47	11 32	11 54	12 5		n.a.
F 22	13 28	2 54	3 36	7 58	3 41	9 37	8 25	6 45	3 0	13 24	1 41	20 55	0 57	17 17	0 42	22 38	0 5	12 57	6 46	11 29	11 53	12 4		n.a.
S 23	13 8	2s 2	2 34	8 31	3 30	9 49	8 19	6 50	3 0	13 27	1 41	20 55	0 56	17 16	0 42	22 38	0 5	12 57	6 46	11 27	11 52	12 2		n.a.
S 24	12 47	6 43	1 24	9 5	3 17	10 1	8 13	6 54	3 0	13 30	1 41	20 55	0 56	17 15	0 42	22 38	0 5	12 58	6 46	11 25	11 51	12 0		n.a.
M25	12 27	10 53	0 10	9 42	3 2	10 14	8 7	6 58	2 59	13 33	1 41	20 56	0 56	17 14	0 42	22 38	0 5	12 58	6 45	11 25	11 50	11 59		n.a.
T 26	12 6	14 20	1n 1	10 19	2 46	10 26	7 59	7 2	2 59	13 36	1 41	20 56	0 56	17 13	0 42	22 37	0 5	12 59	6 45	11 25	11 49	11 57		n.a.
W27	11 46	16 57	2 7	10 57	2 28	10 39	7 52	7 6	2 58	13 39	1 41	20 56	0 56	17 12	0 42	22 37	0 5	12 59	6 45	11 25	11 48	11 55		n.a.
T 28	11 25	18 38	3 5	11 33	2 10	10 51	7 43	7 9	2 58	13 41	1 41	20 57	0 56	17 11	0 42	22 37	0 5	13 0	6 44	11 25	11 47	11 53		n.a.
F 29	11 3	19 23	3 53	12 9	1 50	11 3	7 34	7 13	2 57	13 44	1 41	20 57	0 55	17 10	0 42	22 37	0 5	13 0	6 44	11 25	11 45	11 52		n.a.
S 30	10 42	19 13	4 30	12 42	1 30	11 15	7 25	7 16	2 57	13 47	1 41	20 57	0 55	17 9	0 42	22 37	0 5	13 0	6 44	11 23	11 44	11 50		n.a.
S 31	10n21	18s11	4n53	13n12	1s10	11n27	7s16	7n18	2s56	13s50	1s41	20s58	0n55	17n 8	0n42	22n36	0s 5	13s 1	6n43	11s21	11s43	11s48		n.a.

Julian Day Number = 1640915.5, Delta T = 03h36m27s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'44, Lahiri = - 6°59'44 Julian Calendar 1 Aug. 221 BCE == Greg. Calendar 28 July 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

SEPTEMBER 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 25 57	4♍28'40	25♉ 9	21°R41	7°R58	25♈45	28°R 2	7♐50	15♌16	16♋32	26♏19	29°R 9	0♏17	14♒58	n.a.	M 1
T 2	22 29 54	5°27'48	7♒ 1	21♌26	7♌53	25°49	27♒54	7°51	15°20	16°34	26°19	29♎ 0	0°13	15° 5	n.a.	T 2
W 3	22 33 50	6°26'59	18°53	21°D21	7°D51	25°52	27°46	7°53	15°24	16°36	26°20	28°49	0°10	15°12	n.a.	W 3
T 4	22 37 47	7°26'12	0♓48	21°27	7°51	25°54	27°38	7°55	15°27	16°37	26°21	28°39	0° 7	15°18	n.a.	T 4
F 5	22 41 43	8°25'26	12°46	21°43	7°54	25°55	27°30	7°57	15°31	16°39	26°22	28°30	0° 4	15°25	n.a.	F 5
S 6	22 45 40	9°24'43	24°48	22° 9	7°59	25°R56	27°23	7°59	15°34	16°40	26°22	28°23	0° 1	15°32	n.a.	S 6
S 7	22 49 36	10°24'02	6♈57	22°45	8° 6	25°56	27°15	8° 1	15°38	16°42	26°23	28°19	29♎58	15°38	n.a.	S 7
M 8	22 53 33	11°23'24	19°15	23°30	8°15	25°54	27° 8	8° 3	15°41	16°43	26°24	28°16	29°54	15°45	n.a.	M 8
T 9	22 57 29	12°22'48	1♉42	24°23	8°27	25°52	27° 0	8° 5	15°45	16°45	26°25	28°D16	29°51	15°52	n.a.	T 9
W10	23 1 26	13°22'14	14°23	25°23	8°40	25°49	26°53	8° 8	15°48	16°46	26°26	28°17	29°48	15°59	n.a.	W10
T 11	23 5 23	14°21'42	27°21	26°31	8°56	25°46	26°45	8°10	15°52	16°47	26°27	28°18	29°45	16° 5	n.a.	T 11
F 12	23 9 19	15°21'14	10♊37	27°44	9°14	25°41	26°38	8°13	15°55	16°49	26°28	28°R19	29°42	16°12	n.a.	F 12
S 13	23 13 16	16°20'47	24°16	29° 2	9°34	25°35	26°31	8°15	15°58	16°50	26°29	28°19	29°38	16°19	n.a.	S 13
S 14	23 17 12	17°20'23	8♋18	0♍25	9°55	25°29	26°24	8°18	16° 2	16°51	26°30	28°17	29°35	16°25	n.a.	S 14
M15	23 21 9	18°20'01	22°43	1°52	10°19	25°21	26°17	8°21	16° 5	16°53	26°31	28°14	29°32	16°32	n.a.	M15
T 16	23 25 5	19°19'42	7♌28	3°21	10°44	25°13	26°10	8°24	16° 8	16°54	26°32	28° 9	29°29	16°39	n.a.	T 16
W17	23 29 2	20°19'25	22°27	4°54	11°11	25° 3	26° 4	8°27	16°12	16°55	26°33	28° 3	29°26	16°46	n.a.	W17
T 18	23 32 58	21°19'10	7♍31	6°29	11°40	24°53	25°57	8°30	16°15	16°56	26°34	27°57	29°23	16°52	n.a.	T 18
F 19	23 36 55	22°18'58	22°31	8° 5	12°10	24°42	25°51	8°33	16°18	16°58	26°35	27°53	29°19	16°59	n.a.	F 19
S 20	23 40 51	23°18'47	7♎18	9°43	12°41	24°30	25°44	8°36	16°22	16°59	26°37	27°49	29°16	17° 6	n.a.	S 20
S 21	23 44 48	24°18'39	21°44	11°22	13°15	24°18	25°38	8°39	16°25	17° 0	26°38	27°D48	29°13	17°12	n.a.	S 21
M22	23 48 45	25°18'32	5♏45	13° 2	13°49	24° 4	25°32	8°43	16°28	17° 1	26°39	27°48	29°10	17°19	n.a.	M22
T 23	23 52 41	26°18'27	19°20	14°43	14°25	23°50	25°26	8°46	16°31	17° 2	26°40	27°49	29° 7	17°26	n.a.	T 23
W24	23 56 38	27°18'24	2♐28	16°23	15° 2	23°35	25°21	8°50	16°34	17° 3	26°42	27°51	29° 3	17°33	n.a.	W24
T 25	0 0 34	28°18'23	15°13	18° 4	15°41	23°19	25°15	8°54	16°37	17° 4	26°43	27°52	29° 0	17°39	n.a.	T 25
F 26	0 4 31	29°18'24	27°38	19°46	16°20	23° 3	25°10	8°57	16°40	17° 5	26°44	27°R53	28°57	17°46	n.a.	F 26
S 27	0 8 27	0♎18'26	9♉48	21°27	17° 1	22°46	25° 5	9° 1	16°43	17° 6	26°46	27°53	28°54	17°53	n.a.	S 27
S 28	0 12 24	1°18'30	21°47	23° 8	17°43	22°28	24°59	9° 5	16°46	17° 7	26°47	27°51	28°51	17°59	n.a.	S 28
M29	0 16 20	2°18'36	3♒41	24°48	18°26	22°10	24°55	9° 9	16°49	17° 7	26°49	27°48	28°48	18° 6	n.a.	M29
T 30	0 20 17	3♎18'43	15♒33	26♍29	19♌10	21♈51	24♒50	9♐13	16♌52	17♋ 8	26♏50	27♎44	28♎44	18♒13	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9n59	16s22	5n 4	13n39	0s50	11n38	7s 6	7n21	2s55	13s53	1s41	20s58	0n55	17n 7	0n42	22n36	0s 5	13s 1	6n43	11s18	11s42	11s47		n.a.
T 2	9 37	13 52	5 2	14 2	0 31	11 49	6 55	7 23	2 55	13 56	1 41	20 59	0 55	17 6	0 42	22 36	0 5	13 2	6 43	11 15	11 41	11 45		n.a.
W 3	9 15	10 47	4 47	14 21	0 13	12 0	6 45	7 25	2 54	13 58	1 41	20 59	0 55	17 4	0 42	22 36	0 5	13 2	6 42	11 11	11 40	11 43		n.a.
T 4	8 53	7 17	4 19	14 36	0n 5	12 10	6 34	7 26	2 53	14 1	1 41	20 59	0 54	17 3	0 42	22 36	0 5	13 3	6 42	11 7	11 39	11 41		n.a.
F 5	8 30	3 28	3 40	14 46	0 21	12 20	6 24	7 28	2 52	14 4	1 41	21 0	0 54	17 2	0 42	22 36	0 5	13 3	6 42	11 4	11 38	11 40		n.a.
S 6	8 8	0n31	2 50	14 52	0 36	12 29	6 13	7 29	2 51	14 6	1 41	21 0	0 54	17 1	0 42	22 35	0 5	13 4	6 41	11 2	11 36	11 38		n.a.
S 7	7 45	4 31	1 52	14 53	0 50	12 38	6 2	7 30	2 50	14 9	1 41	21 1	0 54	17 0	0 42	22 35	0 5	13 4	6 41	11 0	11 35	11 36		n.a.
M 8	7 23	8 22	0 49	14 50	1 3	12 46	5 50	7 30	2 49	14 12	1 41	21 1	0 54	16 59	0 42	22 35	0 5	13 5	6 41	10 59	11 34	11 34		n.a.
T 9	7 0	11 55	0s19	14 43	1 14	12 54	5 39	7 30	2 48	14 14	1 41	21 2	0 54	16 58	0 42	22 35	0 5	13 5	6 41	10 59	11 33	11 33		n.a.
W10	6 37	14 58	1 26	14 31	1 24	13 2	5 28	7 30	2 47	14 17	1 41	21 2	0 53	16 57	0 42	22 35	0 5	13 6	6 40	10 59	11 32	11 31		n.a.
T 11	6 14	17 21	2 31	14 16	1 32	13 8	5 17	7 30	2 45	14 19	1 41	21 3	0 53	16 56	0 42	22 35	0 5	13 6	6 40	11 0	11 31	11 29		n.a.
F 12	5 50	18 51	3 29	13 57	1 40	13 15	5 6	7 30	2 44	14 22	1 41	21 4	0 53	16 55	0 42	22 34	0 5	13 7	6 40	11 0	11 30	11 27		n.a.
S 13	5 27	19 18	4 17	13 35	1 46	13 20	4 54	7 29	2 43	14 24	1 41	21 4	0 53	16 54	0 42	22 34	0 5	13 7	6 39	11 0	11 29	11 26		n.a.
S 14	5 3	18 36	4 52	13 10	1 50	13 25	4 43	7 28	2 41	14 26	1 41	21 5	0 53	16 53	0 42	22 34	0 5	13 8	6 39	10 59	11 27	11 24		n.a.
M15	4 40	16 42	5 9	12 43	1 54	13 30	4 32	7 27	2 40	14 29	1 41	21 5	0 53	16 52	0 42	22 34	0 5	13 8	6 39	10 58	11 26	11 22		n.a.
T 16	4 16	13 41	5 6	12 12	1 57	13 33	4 21	7 25	2 38	14 31	1 41	21 6	0 52	16 51	0 42	22 34	0 5	13 9	6 38	10 56	11 25	11 20		n.a.
W17	3 53	9 44	4 43	11 40	1 59	13 37	4 10	7 23	2 37	14 33	1 40	21 7	0 52	16 50	0 42	22 34	0 5	13 9	6 38	10 54	11 24	11 19		n.a.
T 18	3 29	5 9	4 0	11 5	1 59	13 39	4 0	7 21	2 35	14 35	1 40	21 7	0 52	16 49	0 42	22 33	0 4	13 10	6 38	10 52	11 23	11 17		n.a.
F 19	3 5	0 15	3 0	10 29	1 59	13 41	3 49	7 19	2 33	14 37	1 40	21 8	0 52	16 48	0 42	22 33	0 4	13 10	6 38	10 50	11 22	11 15		n.a.
S 20	2 41	4s36	1 50	9 51	1 59	13 43	3 38	7 16	2 31	14 39	1 40	21 9	0 52	16 47	0 42	22 33	0 4	13 11	6 37	10 49	11 21	11 13		n.a.
S 21	2 17	9 5	0 33	9 11	1 57	13 43	3 28	7 13	2 29	14 41	1 40	21 9	0 52	16 46	0 42	22 33	0 4	13 12	6 37	10 49	11 19	11 12		n.a.
M22	1 53	12 55	0n43	8 31	1 56	13 43	3 17	7 10	2 27	14 43	1 40	21 10	0 52	16 45	0 42	22 33	0 4	13 12	6 37	10 49	11 18	11 10		n.a.
T 23	1 29	15 55	1 55	7 49	1 53	13 43	3 7	7 7	2 25	14 45	1 40	21 11	0 51	16 44	0 42	22 33	0 4	13 13	6 36	10 49	11 17	11 8		n.a.
W24	1 5	17 59	2 58	7 7	1 50	13 42	2 57	7 3	2 23	14 47	1 39	21 11	0 51	16 44	0 42	22 33	0 4	13 13	6 36	10 50	11 16	11 6		n.a.
T 25	0 41	19 4	3 51	6 24	1 47	13 40	2 47	6 59	2 21	14 49	1 39	21 12	0 51	16 43	0 42	22 33	0 4	13 14	6 36	10 50	11 15	11 5		n.a.
F 26	0 17	19 11	4 31	5 40	1 43	13 37	2 37	6 55	2 18	14 50	1 39	21 13	0 51	16 42	0 42	22 32	0 4	13 14	6 36	10 51	11 14	11 3		n.a.
S 27	0s 7	18 24	4 58	4 56	1 38	13 34	2 28	6 51	2 16	14 52	1 39	21 14	0 51	16 41	0 42	22 32	0 4	13 15	6 35	10 50	11 13	11 1		n.a.
S 28	0 32	16 48	5 12	4 12	1 34	13 31	2 18	6 47	2 14	14 53	1 39	21 14	0 51	16 40	0 42	22 32	0 4	13 16	6 35	10 50	11 11	10 59		n.a.
M29	0 56	14 30	5 12	3 27	1 29	13 26	2 9	6 42	2 11	14 55	1 39	21 15	0 50	16 39	0 42	22 32	0 4	13 16	6 35	10 49	11 10	10 58		n.a.
T 30	1s20	11s36	4n59	2n42	1n24	13n21	2s 0	6n37	2s 9	14s56	1s38	21s16	0n50	16n38	0n42	22n32	0s 4	13s17	6n34	10s47	11s 9	10s56		n.a.

Julian Day Number = 1640946.5, Delta T = 03h36m26s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'40, Lahiri = - 6°59'40 Julian Calendar 1 Sept. 221 BCE == Greg. Calendar 28 Aug. 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

OCTOBER 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 24 14	4♎18'53	27♒26	28♍ 9	19♌56	21°R31	24°R45	9♐17	16♌55	17♋ 9	26♏52	27°R40	28♎41	18♒20	n.a.	W 1
T 2	0 28 10	5°19'04	9♓24	29°49	20°42	21♈11	24♒41	9°22	16°58	17°10	26°53	27♎36	28°38	18°26	n.a.	T 2
F 3	0 32 7	6°19'16	21°28	1♎29	21°29	20°51	24°37	9°26	17° 0	17°11	26°55	27°33	28°35	18°33	n.a.	F 3
S 4	0 36 3	7°19'31	3♈42	3° 8	22°17	20°30	24°33	9°30	17° 3	17°11	26°56	27°30	28°32	18°40	n.a.	S 4
S 5	0 40 0	8°19'47	16° 5	4°46	23° 6	20° 9	24°29	9°35	17° 6	17°12	26°58	27°29	28°29	18°46	n.a.	S 5
M 6	0 43 56	9°20'05	28°38	6°25	23°55	19°48	24°25	9°39	17° 9	17°13	26°59	27°D28	28°25	18°53	n.a.	M 6
T 7	0 47 53	10°20'25	11♉24	8° 3	24°46	19°26	24°22	9°44	17°11	17°13	27° 1	27°29	28°22	19° 0	n.a.	T 7
W 8	0 51 49	11°20'48	24°22	9°41	25°37	19° 4	24°19	9°49	17°14	17°14	27° 3	27°30	28°19	19° 7	n.a.	W 8
T 9	0 55 46	12°21'12	7♊34	11°18	26°29	18°42	24°16	9°53	17°16	17°14	27° 4	27°31	28°16	19°13	n.a.	T 9
F 10	0 59 42	13°21'38	21° 0	12°55	27°22	18°20	24°13	9°58	17°19	17°15	27° 6	27°32	28°13	19°20	n.a.	F 10
S 11	1 3 39	14°22'06	4♋41	14°31	28°16	17°58	24°10	10° 3	17°21	17°15	27° 8	27°33	28° 9	19°27	n.a.	S 11
S 12	1 7 36	15°22'37	18°38	16° 7	29°10	17°35	24° 8	10° 8	17°24	17°16	27°10	27°R33	28° 6	19°33	n.a.	S 12
M13	1 11 32	16°23'09	2♌49	17°43	0♍ 5	17°13	24° 5	10°13	17°26	17°16	27°11	27°33	28° 3	19°40	n.a.	M13
T 14	1 15 29	17°23'43	17°13	19°19	1° 0	16°51	24° 3	10°18	17°28	17°16	27°13	27°32	28° 0	19°47	n.a.	T 14
W15	1 19 25	18°24'19	1♍46	20°54	1°56	16°29	24° 2	10°23	17°31	17°17	27°15	27°31	27°57	19°54	n.a.	W15
T 16	1 23 22	19°24'57	16°23	22°29	2°53	16° 7	24° 0	10°29	17°33	17°17	27°17	27°30	27°54	20° 0	n.a.	T 16
F 17	1 27 18	20°25'37	0♎58	24° 4	3°50	15°46	23°59	10°34	17°35	17°17	27°19	27°29	27°50	20° 7	n.a.	F 17
S 18	1 31 15	21°26'18	15°26	25°38	4°48	15°24	23°57	10°39	17°37	17°17	27°21	27°29	27°47	20°14	n.a.	S 18
S 19	1 35 11	22°27'01	29°40	27°12	5°47	15° 3	23°56	10°45	17°39	17°18	27°22	27°D28	27°44	20°20	n.a.	S 19
M20	1 39 8	23°27'46	13♏35	28°46	6°45	14°43	23°55	10°50	17°42	17°18	27°24	27°29	27°41	20°27	n.a.	M20
T 21	1 43 5	24°28'31	27° 8	0♏20	7°45	14°23	23°55	10°56	17°44	17°18	27°26	27°29	27°38	20°34	n.a.	T 21
W22	1 47 1	25°29'19	10♐19	1°53	8°45	14° 3	23°54	11° 1	17°46	17°18	27°28	27°29	27°34	20°41	n.a.	W22
T 23	1 50 58	26°30'07	23° 7	3°27	9°45	13°44	23°D54	11° 7	17°47	17°18	27°30	27°29	27°31	20°47	n.a.	T 23
F 24	1 54 54	27°30'57	5♑37	5° 0	10°46	13°26	23°54	11°13	17°49	17°R18	27°32	27°R29	27°28	20°54	n.a.	F 24
S 25	1 58 51	28°31'47	17°50	6°33	11°47	13° 8	23°55	11°18	17°51	17°18	27°34	27°29	27°25	21° 1	n.a.	S 25
S 26	2 2 47	29°32'39	29°51	8° 6	12°48	12°50	23°55	11°24	17°53	17°18	27°36	27°D29	27°22	21° 7	n.a.	S 26
M27	2 6 44	0♏33'32	11♒45	9°39	13°50	12°34	23°56	11°30	17°55	17°18	27°38	27°29	27°19	21°14	n.a.	M27
T 28	2 10 40	1°34'26	23°37	11°11	14°53	12°18	23°56	11°36	17°56	17°18	27°40	27°30	27°15	21°21	n.a.	T 28
W29	2 14 37	2°35'20	5♓31	12°44	15°55	12° 3	23°58	11°42	17°58	17°17	27°42	27°30	27°12	21°28	n.a.	W29
T 30	2 18 34	3°36'16	17°31	14°16	16°58	11°48	23°59	11°48	18° 0	17°17	27°44	27°31	27° 9	21°34	n.a.	T 30
F 31	2 22 30	4♏37'12	29♓41	15♏48	18♍ 2	11♈34	24♒ 0	11♐54	18♌ 1	17♋17	27♏46	27♎32	27♎ 6	21♒41	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	1s44	8s14	4n33	1n56	1n18	13n16	1s51	6n32	2s 6	14s58	1s38	21s17	0n50	16n37	0n43	22n32	0s 4	13s17	6n34	10s46	11s 8	10s54			n.a.
T 2	2 8	4 31	3 55	1 11	1 13	13 9	1 42	6 27	2 3	14 59	1 38	21 17	0 50	16 37	0 43	22 32	0 4	13 18	6 34	10 45	11 7	10 52			n.a.
F 3	2 32	0 35	3 6	0 26	1 7	13 3	1 33	6 22	2 1	15 0	1 38	21 18	0 50	16 36	0 43	22 32	0 4	13 19	6 34	10 43	11 6	10 51			n.a.
S 4	2 56	3n26	2 7	0s20	1 1	12 55	1 24	6 17	1 58	15 1	1 38	21 19	0 50	16 35	0 43	22 32	0 4	13 19	6 33	10 42	11 5	10 49			n.a.
S 5	3 20	7 21	1 3	1 5	0 55	12 47	1 16	6 12	1 55	15 2	1 37	21 20	0 50	16 34	0 43	22 32	0 4	13 20	6 33	10 42	11 3	10 47			n.a.
M 6	3 44	11 1	0s 6	1 50	0 49	12 38	1 8	6 6	1 52	15 4	1 37	21 21	0 49	16 33	0 43	22 32	0 4	13 20	6 33	10 42	11 2	10 45			n.a.
T 7	4 8	14 13	1 16	2 35	0 42	12 29	1 0	6 1	1 49	15 4	1 37	21 21	0 49	16 33	0 43	22 32	0 4	13 21	6 33	10 42	11 1	10 44			n.a.
W 8	4 32	16 46	2 23	3 19	0 36	12 19	0 52	5 55	1 46	15 5	1 37	21 22	0 49	16 32	0 43	22 31	0 4	13 22	6 32	10 42	11 0	10 42			n.a.
T 9	4 56	18 28	3 24	4 4	0 30	12 9	0 44	5 50	1 43	15 6	1 36	21 23	0 49	16 31	0 43	22 31	0 4	13 22	6 32	10 43	10 59	10 40			n.a.
F 10	5 20	19 10	4 15	4 48	0 23	11 58	0 36	5 44	1 40	15 7	1 36	21 24	0 49	16 30	0 43	22 31	0 4	13 23	6 32	10 43	10 58	10 38			n.a.
S 11	5 44	18 46	4 52	5 32	0 17	11 46	0 29	5 38	1 37	15 8	1 36	21 25	0 49	16 30	0 43	22 31	0 4	13 23	6 32	10 43	10 57	10 36			n.a.
S 12	6 7	17 14	5 13	6 16	0 10	11 34	0 22	5 33	1 33	15 8	1 36	21 26	0 49	16 29	0 43	22 31	0 4	13 24	6 31	10 43	10 55	10 35			n.a.
M13	6 31	14 38	5 15	6 59	0 3	11 21	0 15	5 27	1 30	15 9	1 36	21 27	0 49	16 28	0 43	22 31	0 4	13 25	6 31	10 43	10 54	10 33			n.a.
T 14	6 54	11 7	4 58	7 42	0s 3	11 8	0 8	5 22	1 27	15 9	1 35	21 27	0 48	16 28	0 43	22 31	0 4	13 25	6 31	10 43	10 53	10 31			n.a.
W15	7 18	6 54	4 22	8 24	0 10	10 54	0 1	5 16	1 24	15 10	1 35	21 28	0 48	16 27	0 43	22 31	0 4	13 26	6 31	10 43	10 52	10 29			n.a.
T 16	7 41	2 14	3 29	9 6	0 16	10 39	0n 6	5 11	1 21	15 10	1 35	21 29	0 48	16 26	0 43	22 31	0 4	13 27	6 31	10 42	10 51	10 28			n.a.
F 17	8 4	2s33	2 22	9 47	0 23	10 24	0 12	5 5	1 17	15 10	1 35	21 30	0 48	16 26	0 43	22 31	0 4	13 27	6 30	10 42	10 50	10 26			n.a.
S 18	8 27	7 10	1 6	10 28	0 29	10 9	0 19	5 0	1 14	15 10	1 34	21 31	0 48	16 25	0 43	22 31	0 4	13 28	6 30	10 42	10 49	10 24			n.a.
S 19	8 50	11 18	0n12	11 9	0 36	9 53	0 25	4 55	1 11	15 10	1 34	21 32	0 48	16 24	0 43	22 31	0 4	13 28	6 30	10 42	10 47	10 22			n.a.
M20	9 13	14 42	1 28	11 49	0 42	9 36	0 31	4 50	1 7	15 10	1 34	21 33	0 48	16 24	0 43	22 31	0 4	13 29	6 30	10 42	10 46	10 20			n.a.
T 21	9 36	17 12	2 37	12 28	0 48	9 20	0 36	4 45	1 4	15 10	1 34	21 34	0 47	16 23	0 43	22 31	0 4	13 30	6 29	10 42	10 45	10 19			n.a.
W22	9 58	18 42	3 36	13 7	0 54	9 2	0 42	4 40	1 1	15 10	1 33	21 35	0 47	16 23	0 43	22 31	0 4	13 30	6 29	10 42	10 44	10 17			n.a.
T 23	10 20	19 10	4 22	13 45	1 0	8 44	0 48	4 36	0 58	15 10	1 33	21 36	0 47	16 22	0 43	22 31	0 4	13 31	6 29	10 42	10 43	10 15			n.a.
F 24	10 43	18 42	4 55	14 23	1 6	8 26	0 53	4 32	0 54	15 10	1 33	21 36	0 47	16 21	0 43	22 31	0 4	13 32	6 29	10 42	10 42	10 13			n.a.
S 25	11 5	17 21	5 13	15 0	1 12	8 7	0 58	4 28	0 51	15 10	1 32	21 37	0 47	16 21	0 43	22 31	0 4	13 32	6 29	10 42	10 40	10 11			n.a.
S 26	11 26	15 15	5 17	15 36	1 18	7 48	1 3	4 24	0 48	15 9	1 32	21 38	0 47	16 20	0 43	22 31	0 4	13 33	6 28	10 42	10 39	10 10			n.a.
M27	11 48	12 32	5 8	16 11	1 23	7 28	1 8	4 20	0 45	15 9	1 32	21 39	0 47	16 20	0 43	22 31	0 4	13 34	6 28	10 42	10 38	10 8			n.a.
T 28	12 10	9 19	4 45	16 46	1 29	7 8	1 13	4 17	0 41	15 8	1 32	21 40	0 47	16 19	0 44	22 31	0 4	13 34	6 28	10 42	10 37	10 6			n.a.
W29	12 31	5 43	4 10	17 20	1 34	6 48	1 17	4 14	0 38	15 8	1 31	21 41	0 47	16 19	0 44	22 31	0 4	13 35	6 28	10 42	10 36	10 4			n.a.
T 30	12 52	1 51	3 24	17 52	1 39	6 27	1 22	4 11	0 35	15 7	1 31	21 42	0 46	16 18	0 44	22 31	0 4	13 35	6 28	10 43	10 35	10 3			n.a.
F 31	13s13	2n 8	2n28	18s25	1s43	6n 6	1n26	4n 8	0s32	15s 6	1s31	21s43	0n46	16n18	0n44	22n31	0s 4	13s36	6n27	10s43	10s33	10s 1			n.a.

Julian Day Number = 1640976.5, Delta T = 03h36m25s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'36, Lahiri = - 6°59'36 Julian Calendar 1 Oct. 221 BCE == Greg. Calendar 27 Sept. 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

NOVEMBER 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 26 27	5♏38'10	12♈ 4	17♏20	19♍ 6	11°R21	24♒ 2	12♐ 0	18♌ 2	17°R17	27♏48	27♎32	27♎ 3	21♒48	n.a.	S 1
S 2	2 30 23	6°39'09	24°41	18°52	20°10	11♈ 9	24° 4	12° 6	18° 4	17♋16	27°50	27°R32	27° 0	21°54	n.a.	S 2
M 3	2 34 20	7°40'08	7♉34	20°24	21°14	10°57	24° 6	12°12	18° 5	17°16	27°53	27°32	26°56	22° 1	n.a.	M 3
T 4	2 38 16	8°41'09	20°43	21°55	22°19	10°47	24° 8	12°19	18° 7	17°16	27°55	27°32	26°53	22° 8	n.a.	T 4
W 5	2 42 13	9°42'11	4♊ 7	23°27	23°24	10°37	24°11	12°25	18° 8	17°15	27°57	27°30	26°50	22°15	n.a.	W 5
T 6	2 46 9	10°43'14	17°44	24°57	24°30	10°28	24°13	12°31	18° 9	17°15	27°59	27°29	26°47	22°21	n.a.	T 6
F 7	2 50 6	11°44'18	1♋32	26°28	25°35	10°20	24°16	12°38	18°10	17°14	28° 1	27°27	26°44	22°28	n.a.	F 7
S 8	2 54 3	12°45'23	15°29	27°58	26°41	10°12	24°19	12°44	18°11	17°14	28° 3	27°25	26°40	22°35	n.a.	S 8
S 9	2 57 59	13°46'29	29°33	29°28	27°47	10° 6	24°23	12°51	18°12	17°13	28° 5	27°24	26°37	22°41	n.a.	S 9
M10	3 1 56	14°47'37	13♌42	0♐57	28°54	10° 0	24°26	12°57	18°13	17°13	28° 8	27°D23	26°34	22°48	n.a.	M10
T 11	3 5 52	15°48'45	27°53	2°26	0♎ 1	9°55	24°30	13° 4	18°14	17°12	28°10	27°24	26°31	22°55	n.a.	T 11
W12	3 9 49	16°49'54	12♍ 4	3°54	1° 7	9°51	24°34	13°10	18°15	17°12	28°12	27°25	26°28	23° 2	n.a.	W12
T 13	3 13 45	17°51'05	26°14	5°21	2°15	9°47	24°38	13°17	18°16	17°11	28°14	27°26	26°25	23° 8	n.a.	T 13
F 14	3 17 42	18°52'16	10♎20	6°46	3°22	9°45	24°42	13°23	18°17	17°10	28°16	27°27	26°21	23°15	n.a.	F 14
S 15	3 21 38	19°53'28	24°18	8°11	4°30	9°43	24°46	13°30	18°17	17°10	28°18	27°R28	26°18	23°22	n.a.	S 15
S 16	3 25 35	20°54'41	8♏ 7	9°34	5°38	9°42	24°51	13°37	18°18	17° 9	28°21	27°28	26°15	23°28	n.a.	S 16
M17	3 29 32	21°55'55	21°43	10°55	6°46	9°D42	24°56	13°43	18°19	17° 8	28°23	27°26	26°12	23°35	n.a.	M17
T 18	3 33 28	22°57'09	5♐ 3	12°14	7°54	9°43	25° 1	13°50	18°19	17° 7	28°25	27°23	26° 9	23°42	n.a.	T 18
W19	3 37 25	23°58'24	18° 7	13°30	9° 2	9°44	25° 6	13°57	18°20	17° 6	28°27	27°19	26° 6	23°48	n.a.	W19
T 20	3 41 21	24°59'39	0♑53	14°43	10°11	9°46	25°11	14° 4	18°20	17° 6	28°29	27°14	26° 2	23°55	n.a.	T 20
F 21	3 45 18	26° 0'54	13°22	15°53	11°20	9°49	25°17	14°11	18°20	17° 5	28°32	27° 9	25°59	24° 2	n.a.	F 21
S 22	3 49 14	27° 2'09	25°36	16°59	12°29	9°53	25°23	14°17	18°21	17° 4	28°34	27° 5	25°56	24° 9	n.a.	S 22
S 23	3 53 11	28° 3'24	7♒39	18° 0	13°38	9°58	25°29	14°24	18°21	17° 3	28°36	27° 2	25°53	24°15	n.a.	S 23
M24	3 57 8	29° 4'40	19°33	18°56	14°47	10° 3	25°35	14°31	18°21	17° 2	28°38	27° 0	25°50	24°22	n.a.	M24
T 25	4 1 4	0♐ 5'55	1♓24	19°45	15°57	10° 9	25°41	14°38	18°21	17° 1	28°41	26°D59	25°46	24°29	n.a.	T 25
W26	4 5 1	1° 7'10	13°17	20°28	17° 6	10°15	25°47	14°45	18°21	17° 0	28°43	27° 0	25°43	24°35	n.a.	W26
T 27	4 8 57	2° 8'25	25°16	21° 2	18°16	10°23	25°54	14°52	18°R21	16°59	28°45	27° 1	25°40	24°42	n.a.	T 27
F 28	4 12 54	3° 9'40	7♈27	21°28	19°26	10°31	26° 1	14°59	18°21	16°57	28°47	27° 3	25°37	24°49	n.a.	F 28
S 29	4 16 50	4°10'55	19°54	21°44	20°36	10°39	26° 7	15° 6	18°21	16°56	28°49	27° 4	25°34	24°56	n.a.	S 29
S 30	4 20 47	5♐12'10	2♉40	21°R49	21♎46	10♈49	26♒15	15♐13	18♌21	16♋55	28♏52	27°R 5	25♎31	25♒ 2	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s33	6n 7	1n25	18s56	1s48	5n45	1n30	4n 6	0s29	15s 5	1s31	21s44	0n46	16n18	0n44	22n31	0s 4	13s37	6n27	10s43	10s32	9s59		n.a.
S 2	13 54	9 55	0 16	19 26	1 52	5 23	1 34	4 4	0 26	15 4	1 30	21 45	0 46	16 17	0 44	22 31	0 4	13 37	6 27	10 43	10 31	9 57		n.a.
M 3	14 14	13 20	0s55	19 55	1 56	5 0	1 38	4 2	0 23	15 3	1 30	21 46	0 46	16 17	0 44	22 31	0 4	13 38	6 27	10 43	10 30	9 55		n.a.
T 4	14 34	16 8	2 5	20 24	2 0	4 38	1 41	4 0	0 20	15 2	1 30	21 47	0 46	16 16	0 44	22 31	0 4	13 39	6 27	10 43	10 29	9 54		n.a.
W 5	14 53	18 7	3 9	20 51	2 4	4 15	1 45	3 59	0 18	15 1	1 30	21 48	0 46	16 16	0 44	22 31	0 4	13 39	6 27	10 42	10 28	9 52		n.a.
T 6	15 13	19 6	4 3	21 17	2 7	3 52	1 48	3 58	0 15	15 0	1 29	21 49	0 46	16 16	0 44	22 32	0 4	13 40	6 26	10 42	10 27	9 50		n.a.
F 7	15 32	18 58	4 44	21 41	2 10	3 28	1 51	3 57	0 12	14 59	1 29	21 49	0 46	16 15	0 44	22 32	0 4	13 40	6 26	10 41	10 25	9 48		n.a.
S 8	15 51	17 41	5 9	22 5	2 12	3 5	1 54	3 57	0 9	14 58	1 29	21 50	0 45	16 15	0 44	22 32	0 4	13 41	6 26	10 40	10 24	9 46		n.a.
S 9	16 10	15 20	5 16	22 27	2 14	2 41	1 57	3 56	0 7	14 56	1 28	21 51	0 45	16 15	0 44	22 32	0 4	13 42	6 26	10 40	10 23	9 45		n.a.
M10	16 28	12 4	5 3	22 48	2 16	2 17	2 0	3 56	0 4	14 55	1 28	21 52	0 45	16 15	0 44	22 32	0 4	13 42	6 26	10 40	10 22	9 43		n.a.
T 11	16 46	8 5	4 32	23 8	2 17	1 52	2 3	3 57	0 2	14 53	1 28	21 53	0 45	16 14	0 44	22 32	0 4	13 43	6 26	10 40	10 21	9 41		n.a.
W12	17 4	3 39	3 45	23 26	2 18	1 27	2 5	3 57	0n 1	14 52	1 28	21 54	0 45	16 14	0 44	22 32	0 4	13 43	6 26	10 40	10 20	9 39		n.a.
T 13	17 21	0s59	2 44	23 42	2 18	1 3	2 8	3 58	0 3	14 50	1 27	21 55	0 45	16 14	0 44	22 32	0 4	13 44	6 25	10 41	10 18	9 37		n.a.
F 14	17 38	5 34	1 33	23 57	2 18	0 38	2 10	4 0	0 6	14 49	1 27	21 56	0 45	16 14	0 44	22 32	0 4	13 45	6 25	10 41	10 17	9 36		n.a.
S 15	17 55	9 48	0 17	24 10	2 17	0 12	2 12	4 1	0 8	14 47	1 27	21 57	0 45	16 14	0 44	22 32	0 4	13 45	6 25	10 42	10 16	9 34		n.a.
S 16	18 12	13 28	0n58	24 22	2 15	0s13	2 14	4 3	0 10	14 45	1 27	21 58	0 45	16 13	0 44	22 32	0 4	13 46	6 25	10 41	10 15	9 32		n.a.
M17	18 28	16 19	2 9	24 32	2 13	0 39	2 15	4 5	0 13	14 43	1 26	21 59	0 44	16 13	0 44	22 33	0 4	13 46	6 25	10 41	10 14	9 30		n.a.
T 18	18 44	18 15	3 12	24 40	2 9	1 4	2 17	4 7	0 15	14 41	1 26	22 0	0 44	16 13	0 44	22 33	0 4	13 47	6 25	10 40	10 13	9 28		n.a.
W19	18 59	19 9	4 3	24 46	2 6	1 30	2 19	4 10	0 17	14 39	1 26	22 1	0 44	16 13	0 44	22 33	0 4	13 48	6 25	10 38	10 11	9 26		n.a.
T 20	19 14	19 2	4 41	24 50	2 1	1 56	2 20	4 12	0 19	14 37	1 26	22 1	0 44	16 13	0 45	22 33	0 4	13 48	6 25	10 37	10 10	9 25		n.a.
F 21	19 29	18 0	5 4	24 52	1 55	2 22	2 21	4 16	0 21	14 35	1 25	22 2	0 44	16 13	0 45	22 33	0 4	13 49	6 24	10 35	10 9	9 23		n.a.
S 22	19 43	16 9	5 13	24 52	1 48	2 48	2 22	4 19	0 23	14 33	1 25	22 3	0 44	16 13	0 45	22 33	0 4	13 49	6 24	10 33	10 8	9 21		n.a.
S 23	19 58	13 37	5 7	24 50	1 41	3 15	2 23	4 22	0 25	14 30	1 25	22 4	0 44	16 13	0 45	22 33	0 4	13 50	6 24	10 32	10 7	9 19		n.a.
M24	20 11	10 33	4 49	24 46	1 32	3 41	2 24	4 26	0 27	14 28	1 25	22 5	0 44	16 13	0 45	22 33	0 4	13 51	6 24	10 31	10 6	9 17		n.a.
T 25	20 24	7 5	4 18	24 40	1 22	4 7	2 25	4 30	0 29	14 26	1 24	22 6	0 44	16 13	0 45	22 34	0 4	13 51	6 24	10 31	10 4	9 16		n.a.
W26	20 37	3 19	3 36	24 32	1 10	4 34	2 25	4 35	0 31	14 23	1 24	22 7	0 44	16 13	0 45	22 34	0 4	13 52	6 24	10 31	10 3	9 14		n.a.
T 27	20 50	0n37	2 45	24 22	0 58	5 0	2 26	4 39	0 32	14 21	1 24	22 8	0 44	16 13	0 45	22 34	0 4	13 52	6 24	10 32	10 2	9 12		n.a.
F 28	21 2	4 36	1 45	24 10	0 44	5 26	2 26	4 44	0 34	14 18	1 24	22 9	0 44	16 13	0 45	22 34	0 4	13 53	6 24	10 33	10 1	9 10		n.a.
S 29	21 14	8 28	0 39	23 56	0 28	5 53	2 26	4 49	0 36	14 16	1 23	22 9	0 43	16 13	0 45	22 34	0 4	13 53	6 24	10 33	10 0	9 8		n.a.
S 30	21s25	12n 4	0s30	23s40	0s12	6s19	2n27	4n54	0n37	14s13	1s23	22s10	0n43	16n13	0n45	22n34	0s 4	13s54	6n24	10s33	9s59	9s 6		n.a.

Julian Day Number = 1641007.5, Delta T = 03h36m24s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'32, Lahiri = - 6°59'31 Julian Calendar 1 Nov. 221 BCE == Greg. Calendar 28 Oct. 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 221 BCE
geocentric

DECEMBER 221 BCE (-220) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 24 43	6♐13'24	15♉48	21°R44	22♎56	10♈59	26♒22	15♐20	18°R21	16°R54	28♏54	27°R 3	25♎27	25♒ 9	n.a.	M 1
T 2	4 28 40	7°14'39	29°17	21♐26	24° 6	11° 9	26°29	15°27	18♑21	16♋53	28°56	26♎59	25°24	25°16	n.a.	T 2
W 3	4 32 37	8°15'53	13♊ 7	20°57	25°17	11°20	26°37	15°34	18°20	16°52	28°58	26°54	25°21	25°22	n.a.	W 3
T 4	4 36 33	9°17'07	27°13	20°16	26°28	11°32	26°44	15°41	18°20	16°50	29° 0	26°47	25°18	25°29	n.a.	T 4
F 5	4 40 30	10°18'21	11♋32	19°24	27°38	11°44	26°52	15°48	18°19	16°49	29° 3	26°40	25°15	25°36	n.a.	F 5
S 6	4 44 26	11°19'36	25°56	18°22	28°49	11°57	27° 0	15°55	18°19	16°48	29° 5	26°33	25°12	25°42	n.a.	S 6
S 7	4 48 23	12°20'50	10♌21	17°12	0♏ 0	12°11	27° 8	16° 2	18°18	16°47	29° 7	26°27	25° 8	25°49	n.a.	S 7
M 8	4 52 19	13°22'04	24°42	15°57	1°11	12°25	27°17	16° 9	18°18	16°45	29° 9	26°23	25° 5	25°56	n.a.	M 8
T 9	4 56 16	14°23'18	8♍55	14°37	2°23	12°39	27°25	16°16	18°17	16°44	29°11	26°D22	25° 2	26° 3	n.a.	T 9
W10	5 0 12	15°24'32	22°58	13°17	3°34	12°54	27°34	16°23	18°16	16°42	29°13	26°22	24°59	26° 9	n.a.	W10
T 11	5 4 9	16°25'45	6♎50	11°59	4°45	13°10	27°42	16°30	18°16	16°41	29°16	26°23	24°56	26°16	n.a.	T 11
F 12	5 8 6	17°26'59	20°33	10°44	5°57	13°26	27°51	16°37	18°15	16°40	29°18	26°R24	24°52	26°23	n.a.	F 12
S 13	5 12 2	18°28'12	4♏ 5	9°36	7° 8	13°42	28° 0	16°45	18°14	16°38	29°20	26°24	24°49	26°29	n.a.	S 13
S 14	5 15 59	19°29'26	17°26	8°35	8°20	13°59	28° 9	16°52	18°13	16°37	29°22	26°22	24°46	26°36	n.a.	S 14
M15	5 19 55	20°30'38	0♐37	7°42	9°32	14°17	28°19	16°59	18°12	16°35	29°24	26°17	24°43	26°43	n.a.	M15
T 16	5 23 52	21°31'51	13°37	6°59	10°43	14°34	28°28	17° 6	18°11	16°34	29°26	26°10	24°40	26°50	n.a.	T 16
W17	5 27 48	22°33'03	26°25	6°25	11°55	14°53	28°38	17°13	18°10	16°32	29°28	26° 0	24°37	26°56	n.a.	W17
T 18	5 31 45	23°34'14	9♑ 0	6° 1	13° 7	15°12	28°47	17°20	18° 9	16°31	29°30	25°49	24°33	27° 3	n.a.	T 18
F 19	5 35 41	24°35'24	21°22	5°47	14°19	15°31	28°57	17°27	18° 8	16°29	29°32	25°37	24°30	27°10	n.a.	F 19
S 20	5 39 38	25°36'33	3♒33	5°D41	15°31	15°50	29° 7	17°34	18° 7	16°28	29°34	25°26	24°27	27°16	n.a.	S 20
S 21	5 43 35	26°37'42	15°33	5°43	16°43	16°10	29°17	17°41	18° 5	16°26	29°36	25°17	24°24	27°23	n.a.	S 21
M22	5 47 31	27°38'49	27°26	5°53	17°55	16°31	29°27	17°48	18° 4	16°25	29°38	25°10	24°21	27°30	n.a.	M22
T 23	5 51 28	28°39'55	9♓16	6°11	19° 8	16°52	29°38	17°55	18° 3	16°23	29°40	25° 5	24°17	27°36	n.a.	T 23
W24	5 55 24	29°41'00	21° 6	6°35	20°20	17°13	29°48	18° 2	18° 1	16°21	29°42	25° 3	24°14	27°43	n.a.	W24
T 25	5 59 21	0♑42'04	3♈ 2	7° 4	21°32	17°34	29°58	18° 9	18° 0	16°20	29°44	25°D 3	24°11	27°50	n.a.	T 25
F 26	6 3 17	1°43'07	15°10	7°40	22°45	17°56	0♓ 9	18°16	17°58	16°18	29°46	25° 3	24° 8	27°57	n.a.	F 26
S 27	6 7 14	2°44'08	27°35	8°20	23°57	18°18	0°20	18°23	17°57	16°17	29°48	25°R 3	24° 5	28° 3	n.a.	S 27
S 28	6 11 10	3°45'08	10♉21	9° 5	25°10	18°41	0°31	18°30	17°55	16°15	29°50	25° 2	24° 2	28°10	n.a.	S 28
M29	6 15 7	4°46'07	23°33	9°54	26°22	19° 4	0°42	18°37	17°53	16°13	29°52	24°59	23°58	28°17	n.a.	M29
T 30	6 19 4	5°47'04	7♊12	10°46	27°35	19°27	0°53	18°43	17°52	16°12	29°54	24°53	23°55	28°23	n.a.	T 30
W31	6 23 0	6♑48'00	21♊18	11♐42	28♏47	19♈51	1♓ 4	18♐50	17♌50	16♋10	29♏56	24♎44	23♎52	28♒30	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	21 s36	15n10	1 s40	23 s22	0n 6	6 s45	2n27	4n59	0n39	14 s10	1 s23	22 s11	0n43	16n13	0n45	22n34	0 s 4	13 s54	6n24	10 s32	9 s57	9 s 5			n.a.
T 2	21 46	17 32	2 46	23 2	0 24	7 11	2 26	5 5	0 41	14 8	1 23	22 12	0 43	16 13	0 45	22 35	0 4	13 55	6 24	10 31	9 56	9 3			n.a.
W 3	21 56	18 57	3 44	22 41	0 43	7 38	2 26	5 11	0 42	14 5	1 22	22 13	0 43	16 13	0 45	22 35	0 4	13 55	6 23	10 29	9 55	9 1			n.a.
T 4	22 6	19 13	4 29	22 18	1 3	8 4	2 26	5 17	0 44	14 2	1 22	22 14	0 43	16 14	0 45	22 35	0 4	13 56	6 23	10 27	9 54	8 59			n.a.
F 5	22 15	18 16	4 58	21 55	1 23	8 30	2 26	5 23	0 45	13 59	1 22	22 14	0 43	16 14	0 45	22 35	0 4	13 56	6 23	10 24	9 53	8 57			n.a.
S 6	22 24	16 9	5 8	21 30	1 43	8 56	2 25	5 29	0 46	13 56	1 22	22 15	0 43	16 14	0 45	22 35	0 4	13 57	6 23	10 21	9 52	8 56			n.a.
S 7	22 32	13 3	4 59	21 5	2 1	9 21	2 24	5 36	0 48	13 53	1 22	22 16	0 43	16 14	0 45	22 36	0 4	13 58	6 23	10 19	9 50	8 54			n.a.
M 8	22 40	9 10	4 32	20 40	2 19	9 47	2 24	5 43	0 49	13 50	1 21	22 17	0 43	16 14	0 45	22 36	0 4	13 58	6 23	10 18	9 49	8 52			n.a.
T 9	22 48	4 49	3 48	20 16	2 35	10 12	2 23	5 50	0 50	13 47	1 21	22 18	0 43	16 15	0 45	22 36	0 4	13 59	6 23	10 17	9 48	8 50			n.a.
W10	22 55	0 13	2 50	19 52	2 48	10 38	2 22	5 57	0 52	13 43	1 21	22 18	0 43	16 15	0 45	22 36	0 4	13 59	6 23	10 17	9 47	8 48			n.a.
T 11	23 1	4 s20	1 43	19 31	3 0	11 3	2 21	6 4	0 53	13 40	1 21	22 19	0 43	16 15	0 45	22 36	0 4	14 0	6 23	10 18	9 46	8 46			n.a.
F 12	23 7	8 36	0 32	19 12	3 9	11 28	2 20	6 11	0 54	13 37	1 21	22 20	0 42	16 15	0 46	22 36	0 4	14 0	6 23	10 18	9 44	8 45			n.a.
S 13	23 13	12 23	0n41	18 55	3 16	11 53	2 18	6 19	0 55	13 34	1 20	22 21	0 42	16 16	0 46	22 37	0 4	14 0	6 23	10 18	9 43	8 43			n.a.
S 14	23 18	15 28	1 51	18 42	3 20	12 17	2 17	6 27	0 56	13 30	1 20	22 22	0 42	16 16	0 46	22 37	0 4	14 1	6 23	10 17	9 42	8 41			n.a.
M15	23 23	17 42	2 53	18 32	3 22	12 41	2 16	6 34	0 57	13 27	1 20	22 22	0 42	16 16	0 46	22 37	0 4	14 1	6 23	10 16	9 41	8 39			n.a.
T 16	23 27	18 59	3 45	18 25	3 22	13 6	2 14	6 42	0 58	13 23	1 20	22 23	0 42	16 17	0 46	22 37	0 4	14 2	6 23	10 13	9 40	8 37			n.a.
W17	23 30	19 15	4 25	18 21	3 20	13 29	2 13	6 50	0 59	13 20	1 19	22 24	0 42	16 17	0 46	22 37	0 4	14 2	6 23	10 9	9 39	8 35			n.a.
T 18	23 34	18 34	4 51	18 20	3 17	13 53	2 11	6 59	1 0	13 16	1 19	22 25	0 42	16 18	0 46	22 38	0 4	14 3	6 23	10 5	9 37	8 34			n.a.
F 19	23 36	17 1	5 3	18 22	3 12	14 16	2 9	7 7	1 1	13 12	1 19	22 25	0 42	16 18	0 46	22 38	0 4	14 3	6 23	10 1	9 36	8 32			n.a.
S 20	23 39	14 43	5 1	18 27	3 6	14 39	2 7	7 16	1 2	13 9	1 19	22 26	0 42	16 18	0 46	22 38	0 4	14 4	6 23	9 57	9 35	8 30			n.a.
S 21	23 41	11 49	4 45	18 34	2 59	15 2	2 5	7 24	1 3	13 5	1 19	22 27	0 42	16 19	0 46	22 38	0 4	14 4	6 23	9 53	9 34	8 28			n.a.
M22	23 42	8 28	4 18	18 43	2 52	15 24	2 4	7 33	1 4	13 1	1 19	22 27	0 42	16 19	0 46	22 38	0 3	14 5	6 23	9 51	9 33	8 26			n.a.
T 23	23 43	4 49	3 39	18 54	2 43	15 46	2 1	7 42	1 5	12 57	1 18	22 28	0 42	16 20	0 46	22 39	0 3	14 5	6 23	9 49	9 32	8 24			n.a.
W24	23 43	0 58	2 51	19 7	2 35	16 7	1 59	7 51	1 6	12 53	1 18	22 29	0 42	16 20	0 46	22 39	0 3	14 5	6 23	9 48	9 30	8 23			n.a.
T 25	23 43	2n58	1 55	19 21	2 26	16 28	1 57	8 0	1 7	12 50	1 18	22 30	0 42	16 21	0 46	22 39	0 3	14 6	6 23	9 48	9 29	8 21			n.a.
F 26	23 42	6 51	0 52	19 36	2 16	16 49	1 55	8 9	1 8	12 46	1 18	22 30	0 42	16 21	0 46	22 39	0 3	14 6	6 23	9 48	9 28	8 19			n.a.
S 27	23 41	10 32	0 s13	19 52	2 7	17 10	1 53	8 19	1 8	12 42	1 18	22 31	0 42	16 22	0 46	22 39	0 3	14 7	6 23	9 48	9 27	8 17			n.a.
S 28	23 40	13 50	1 20	20 9	1 57	17 30	1 50	8 28	1 9	12 38	1 17	22 32	0 41	16 22	0 46	22 40	0 3	14 7	6 23	9 48	9 26	8 15			n.a.
M29	23 38	16 32	2 25	20 26	1 47	17 49	1 48	8 37	1 10	12 33	1 17	22 32	0 41	16 23	0 46	22 40	0 3	14 7	6 23	9 47	9 24	8 13			n.a.
T 30	23 35	18 25	3 24	20 43	1 37	18 8	1 45	8 47	1 11	12 29	1 17	22 33	0 41	16 23	0 46	22 40	0 3	14 8	6 23	9 45	9 23	8 11			n.a.
W31	23 s33	19n14	4 s12	21 s 0	1n28	18 s27	1n43	8n57	1n11	12 s25	1 s17	22 s33	0n41	16n24	0n46	22n40	0 s 3	14 s 8	6n23	9 s41	9 s22	8 s10			n.a.

Julian Day Number = 1641037.5, Delta T = 03h36m23s
Ecliptic obliquity = 23°43'10, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'28, Lahiri = - 6°59'27 Julian Calendar 1 Dec. 221 BCE == Greg. Calendar 27 Nov. 221 BCE

The year -220 astronomical counting style corresponds to year 221 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

JANUARY 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 26 57	7♉48'55	5♋47	12♐41	29♏59	20♈14	1♓15	18♐57	17°R48	16°R 8	29♏58	24°R34	23♎49	28♒37	n.a.	T 1
F 2	6 30 53	8°49'49	20°32	13°43	1♐13	20°38	1°26	19° 4	17♌46	16♋ 7	29°59	24♎22	23°46	28°43	n.a.	F 2
S 3	6 34 50	9°50'42	5♌25	14°47	2°25	21° 3	1°38	19°11	17°45	16° 5	0♐ 1	24°11	23°43	28°50	n.a.	S 3
S 4	6 38 46	10°51'33	20°18	15°54	3°38	21°27	1°49	19°18	17°43	16° 3	0° 3	24° 2	23°39	28°57	n.a.	S 4
M 5	6 42 43	11°52'23	5♍ 1	17° 3	4°51	21°52	2° 1	19°24	17°41	16° 2	0° 5	23°55	23°36	29° 4	n.a.	M 5
T 6	6 46 40	12°53'12	19°29	18°13	6° 4	22°17	2°13	19°31	17°39	16° 0	0° 7	23°51	23°33	29°10	n.a.	T 6
W 7	6 50 36	13°54'00	3♎39	19°26	7°17	22°43	2°24	19°38	17°37	15°58	0° 8	23°49	23°30	29°17	n.a.	W 7
T 8	6 54 33	14°54'47	17°30	20°40	8°30	23° 9	2°36	19°44	17°35	15°57	0°10	23°49	23°27	29°24	n.a.	T 8
F 9	6 58 29	15°55'33	1♏ 3	21°56	9°43	23°35	2°48	19°51	17°33	15°55	0°12	23°49	23°23	29°30	n.a.	F 9
S 10	7 2 26	16°56'18	14°20	23°13	10°56	24° 1	3° 0	19°57	17°31	15°53	0°13	23°47	23°20	29°37	n.a.	S 10
S 11	7 6 22	17°57'01	27°22	24°32	12° 9	24°27	3°13	20° 4	17°28	15°52	0°15	23°44	23°17	29°44	n.a.	S 11
M12	7 10 19	18°57'44	10♐12	25°52	13°22	24°54	3°25	20°11	17°26	15°50	0°17	23°37	23°14	29°50	n.a.	M12
T 13	7 14 15	19°58'25	22°52	27°14	14°35	25°21	3°37	20°17	17°24	15°48	0°18	23°28	23°11	29°57	n.a.	T 13
W14	7 18 12	20°59'04	5♑21	28°36	15°48	25°48	3°50	20°23	17°22	15°46	0°20	23°15	23° 8	0♓ 4	n.a.	W14
T 15	7 22 9	21°59'42	17°41	0♑ 0	17° 1	26°15	4° 2	20°30	17°20	15°45	0°21	23° 1	23° 4	0°11	n.a.	T 15
F 16	7 26 5	23° 0'18	29°52	1°25	18°14	26°42	4°15	20°36	17°17	15°43	0°23	22°46	23° 1	0°17	n.a.	F 16
S 17	7 30 2	24° 0'53	11♒55	2°51	19°27	27°10	4°27	20°43	17°15	15°41	0°24	22°32	22°58	0°24	n.a.	S 17
S 18	7 33 58	25° 1'26	23°51	4°18	20°40	27°38	4°40	20°49	17°13	15°40	0°26	22°19	22°55	0°31	n.a.	S 18
M19	7 37 55	26° 1'57	5♓42	5°46	21°54	28° 6	4°53	20°55	17°10	15°38	0°27	22° 9	22°52	0°37	n.a.	M19
T 20	7 41 51	27° 2'26	17°30	7°15	23° 7	28°35	5° 5	21° 1	17° 8	15°36	0°29	22° 2	22°49	0°44	n.a.	T 20
W21	7 45 48	28° 2'53	29°19	8°46	24°20	29° 3	5°18	21° 7	17° 5	15°35	0°30	21°58	22°45	0°51	n.a.	W21
T 22	7 49 44	29° 3'18	11♈14	10°17	25°33	29°32	5°31	21°14	17° 3	15°33	0°32	21°56	22°42	0°57	n.a.	T 22
F 23	7 53 41	0♒ 3'41	23°19	11°49	26°46	0♉ 1	5°44	21°20	17° 1	15°32	0°33	21°56	22°39	1° 4	n.a.	F 23
S 24	7 57 38	1° 4'02	5♉39	13°22	28° 0	0°30	5°57	21°26	16°58	15°30	0°34	21°56	22°36	1°11	n.a.	S 24
S 25	8 1 34	2° 4'21	18°21	14°56	29°13	0°59	6°11	21°32	16°56	15°28	0°35	21°55	22°33	1°17	n.a.	S 25
M26	8 5 31	3° 4'37	1♊28	16°31	0♑26	1°28	6°24	21°37	16°53	15°27	0°37	21°52	22°29	1°24	n.a.	M26
T 27	8 9 27	4° 4'52	15° 5	18° 7	1°39	1°58	6°37	21°43	16°51	15°25	0°38	21°47	22°26	1°31	n.a.	T 27
W28	8 13 24	5° 5'05	29°12	19°45	2°53	2°27	6°50	21°49	16°48	15°24	0°39	21°39	22°23	1°38	n.a.	W28
T 29	8 17 20	6° 5'15	13♋47	21°23	4° 6	2°57	7° 4	21°55	16°46	15°22	0°40	21°29	22°20	1°44	n.a.	T 29
F 30	8 21 17	7° 5'24	28°44	23° 2	5°19	3°27	7°17	22° 1	16°43	15°20	0°42	21°18	22°17	1°51	n.a.	F 30
S 31	8 25 13	8♒ 5'30	13♌55	24♑42	6♑33	3♉57	7♓31	22♐ 6	16♌40	15♋19	0♐43	21♎ 7	22♎14	1♓58	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23 s29	18n50	4 s45	21 s18	1n18	18 s45	1n40	9n 6	1n12	12 s21	1 s17	22 s34	0n41	16n25	0n46	22n41	0 s 3	14 s 8	6n23	9 s38	9 s21	8 s 8			n.a.
F 2	23 25	17 11	5 1	21 35	1 8	19 3	1 38	9 16	1 13	12 17	1 17	22 35	0 41	16 25	0 46	22 41	0 3	14 9	6 23	9 33	9 20	8 6			n.a.
S 3	23 21	14 22	4 56	21 52	0 59	19 20	1 35	9 26	1 13	12 12	1 16	22 35	0 41	16 26	0 46	22 41	0 3	14 9	6 23	9 29	9 18	8 4			n.a.
S 4	23 16	10 37	4 31	22 9	0 49	19 37	1 32	9 36	1 14	12 8	1 16	22 36	0 41	16 26	0 46	22 41	0 3	14 9	6 23	9 26	9 17	8 2			n.a.
M 5	23 11	6 15	3 48	22 25	0 40	19 53	1 30	9 46	1 14	12 4	1 16	22 37	0 41	16 27	0 46	22 41	0 3	14 10	6 23	9 23	9 16	8 0			n.a.
T 6	23 5	1 36	2 51	22 41	0 31	20 9	1 27	9 56	1 15	11 59	1 16	22 37	0 41	16 28	0 46	22 42	0 3	14 10	6 23	9 22	9 15	7 59			n.a.
W 7	22 59	3 s 4	1 45	22 56	0 22	20 24	1 24	10 6	1 16	11 55	1 16	22 38	0 41	16 28	0 46	22 42	0 3	14 10	6 23	9 21	9 14	7 57			n.a.
T 8	22 52	7 28	0 33	23 10	0 13	20 39	1 21	10 16	1 16	11 50	1 16	22 38	0 41	16 29	0 46	22 42	0 3	14 11	6 23	9 21	9 13	7 55			n.a.
F 9	22 45	11 23	0n38	23 24	0 4	20 53	1 18	10 27	1 17	11 46	1 16	22 39	0 41	16 30	0 47	22 42	0 3	14 11	6 23	9 21	9 11	7 53			n.a.
S 10	22 38	14 38	1 46	23 37	0 s 4	21 6	1 15	10 37	1 17	11 41	1 15	22 39	0 41	16 30	0 47	22 42	0 3	14 11	6 23	9 20	9 10	7 51			n.a.
S 11	22 30	17 5	2 47	23 49	0 12	21 19	1 12	10 47	1 18	11 37	1 15	22 40	0 41	16 31	0 47	22 43	0 3	14 12	6 23	9 19	9 9	7 49			n.a.
M12	22 22	18 38	3 39	24 0	0 20	21 31	1 9	10 58	1 18	11 32	1 15	22 40	0 41	16 32	0 47	22 43	0 3	14 12	6 23	9 17	9 8	7 47			n.a.
T 13	22 13	19 13	4 19	24 10	0 28	21 43	1 6	11 8	1 19	11 28	1 15	22 41	0 41	16 32	0 47	22 43	0 3	14 12	6 23	9 13	9 7	7 46			n.a.
W14	22 4	18 52	4 45	24 18	0 36	21 54	1 3	11 18	1 19	11 23	1 15	22 41	0 41	16 33	0 47	22 43	0 3	14 12	6 24	9 8	9 5	7 44			n.a.
T 15	21 54	17 36	4 58	24 26	0 43	22 4	1 0	11 29	1 19	11 18	1 15	22 42	0 41	16 34	0 47	22 44	0 3	14 13	6 24	9 3	9 4	7 42			n.a.
F 16	21 44	15 34	4 57	24 33	0 50	22 14	0 57	11 39	1 20	11 13	1 15	22 42	0 41	16 34	0 47	22 44	0 3	14 13	6 24	8 57	9 3	7 40			n.a.
S 17	21 33	12 53	4 43	24 38	0 57	22 24	0 54	11 50	1 20	11 9	1 14	22 43	0 41	16 35	0 47	22 44	0 3	14 13	6 24	8 52	9 2	7 38			n.a.
S 18	21 23	9 42	4 16	24 42	1 3	22 32	0 51	12 0	1 21	11 4	1 14	22 43	0 41	16 36	0 47	22 44	0 3	14 13	6 24	8 47	9 1	7 36			n.a.
M19	21 11	6 9	3 38	24 45	1 10	22 40	0 48	12 11	1 21	10 59	1 14	22 44	0 40	16 37	0 47	22 44	0 3	14 14	6 24	8 44	8 59	7 35			n.a.
T 20	21 0	2 22	2 51	24 46	1 15	22 47	0 45	12 22	1 22	10 54	1 14	22 44	0 40	16 37	0 47	22 45	0 3	14 14	6 24	8 41	8 58	7 33			n.a.
W21	20 48	1n30	1 57	24 47	1 21	22 54	0 42	12 32	1 22	10 49	1 14	22 45	0 40	16 38	0 47	22 45	0 3	14 14	6 24	8 39	8 57	7 31			n.a.
T 22	20 35	5 21	0 56	24 45	1 26	23 0	0 39	12 43	1 22	10 44	1 14	22 45	0 40	16 39	0 47	22 45	0 3	14 14	6 24	8 39	8 56	7 29			n.a.
F 23	20 22	9 3	0 s 7	24 42	1 32	23 5	0 36	12 54	1 23	10 39	1 14	22 46	0 40	16 40	0 47	22 45	0 3	14 14	6 24	8 39	8 55	7 27			n.a.
S 24	20 9	12 26	1 12	24 38	1 36	23 10	0 33	13 4	1 23	10 34	1 14	22 46	0 40	16 41	0 47	22 45	0 3	14 15	6 24	8 39	8 54	7 25			n.a.
S 25	19 56	15 20	2 15	24 32	1 41	23 13	0 30	13 15	1 23	10 29	1 14	22 47	0 40	16 41	0 47	22 46	0 3	14 15	6 24	8 38	8 52	7 23			n.a.
M26	19 42	17 33	3 13	24 25	1 45	23 17	0 26	13 25	1 24	10 24	1 13	22 47	0 40	16 42	0 47	22 46	0 3	14 15	6 24	8 37	8 51	7 22			n.a.
T 27	19 28	18 51	4 2	24 16	1 49	23 19	0 23	13 36	1 24	10 19	1 13	22 47	0 40	16 43	0 47	22 46	0 3	14 15	6 24	8 35	8 50	7 20			n.a.
W28	19 13	19 4	4 39	24 6	1 52	23 21	0 20	13 47	1 24	10 14	1 13	22 48	0 40	16 44	0 47	22 46	0 3	14 15	6 25	8 32	8 49	7 18			n.a.
T 29	18 58	18 3	4 59	23 53	1 55	23 22	0 17	13 57	1 24	10 9	1 13	22 48	0 40	16 44	0 47	22 46	0 3	14 15	6 25	8 28	8 48	7 16			n.a.
F 30	18 43	15 47	4 59	23 40	1 58	23 23	0 14	14 8	1 25	10 4	1 13	22 48	0 40	16 45	0 47	22 47	0 3	14 16	6 25	8 24	8 46	7 14			n.a.
S 31	18 s27	12n24	4 s38	23 s24	2 s 0	23 s22	0n11	14n19	1n25	9 s59	1 s13	22 s49	0n40	16n46	0n47	22n47	0 s 3	14 s16	6n25	8 s20	8 s45	7 s12			n.a.

Julian Day Number = 1641068.5, Delta T = 03h36m22s
Ecliptic obliquity = 23°43'10, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'24, Lahiri = - 6°59'23 Julian Calendar 1 Jan. 220 BCE == Greg. Calendar 28 Dec. 221 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

FEBRUARY 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 29 10	9♒ 5'35	29♌ 8	26♉24	7♉46	4♉27	7♓44	22♐12	16°R38	15°R17	0♐44	20°R58	22♎10	2♓ 4	n.a.	S 1
M 2	8 33 7	10° 5'37	14♍14	28° 6	8°59	4°58	7°58	22°17	16♌35	15♋16	0°45	20♎51	22° 7	2°11	n.a.	M 2
T 3	8 37 3	11° 5'38	29° 3	29°49	10°13	5°28	8°11	22°23	16°33	15°14	0°46	20°47	22° 4	2°18	n.a.	T 3
W 4	8 41 0	12° 5'37	13♎29	1♒34	11°26	5°59	8°25	22°28	16°30	15°13	0°47	20°45	22° 1	2°24	n.a.	W 4
T 5	8 44 56	13° 5'34	27°31	3°20	12°40	6°29	8°39	22°33	16°27	15°11	0°48	20°D45	21°58	2°31	n.a.	T 5
F 6	8 48 53	14° 5'29	11♏ 8	5° 6	13°53	7° 0	8°52	22°39	16°25	15°10	0°49	20°R46	21°55	2°38	n.a.	F 6
S 7	8 52 49	15° 5'23	24°23	6°54	15° 6	7°31	9° 6	22°44	16°22	15° 9	0°50	20°45	21°51	2°44	n.a.	S 7
S 8	8 56 46	16° 5'15	7♐18	8°43	16°20	8° 2	9°20	22°49	16°20	15° 7	0°51	20°43	21°48	2°51	n.a.	S 8
M 9	9 0 42	17° 5'06	19°57	10°34	17°33	8°34	9°34	22°54	16°17	15° 6	0°51	20°39	21°45	2°58	n.a.	M 9
T 10	9 4 39	18° 4'54	2♑23	12°25	18°47	9° 5	9°48	22°59	16°14	15° 4	0°52	20°31	21°42	3° 5	n.a.	T 10
W11	9 8 35	19° 4'41	14°39	14°17	20° 0	9°36	10° 2	23° 4	16°12	15° 3	0°53	20°22	21°39	3°11	n.a.	W11
T 12	9 12 32	20° 4'25	26°46	16°11	21°14	10° 8	10°16	23° 9	16° 9	15° 2	0°54	20°11	21°35	3°18	n.a.	T 12
F 13	9 16 29	21° 4'08	8♒47	18° 6	22°27	10°40	10°30	23°14	16° 7	15° 0	0°54	19°59	21°32	3°25	n.a.	F 13
S 14	9 20 25	22° 3'48	20°42	20° 2	23°40	11°11	10°44	23°19	16° 4	14°59	0°55	19°47	21°29	3°31	n.a.	S 14
S 15	9 24 22	23° 3'27	2♓33	21°58	24°54	11°43	10°58	23°23	16° 1	14°58	0°56	19°37	21°26	3°38	n.a.	S 15
M16	9 28 18	24° 3'03	14°22	23°56	26° 7	12°15	11°12	23°28	15°59	14°57	0°56	19°29	21°23	3°45	n.a.	M16
T 17	9 32 15	25° 2'37	26°11	25°55	27°21	12°47	11°26	23°33	15°56	14°55	0°57	19°24	21°20	3°51	n.a.	T 17
W18	9 36 11	26° 2'08	8♈ 2	27°55	28°34	13°20	11°40	23°37	15°54	14°54	0°58	19°21	21°16	3°58	n.a.	W18
T 19	9 40 8	27° 1'38	19°59	29°55	29°48	13°52	11°54	23°41	15°51	14°53	0°58	19°D20	21°13	4° 5	n.a.	T 19
F 20	9 44 4	28° 1'05	2♉ 5	1♓56	1♒ 1	14°24	12° 9	23°46	15°48	14°52	0°59	19°21	21°10	4°11	n.a.	F 20
S 21	9 48 1	29° 0'29	14°25	3°57	2°15	14°57	12°23	23°50	15°46	14°51	0°59	19°22	21° 7	4°18	n.a.	S 21
S 22	9 51 58	29°59'52	27° 4	5°59	3°28	15°29	12°37	23°54	15°43	14°50	1° 0	19°R23	21° 4	4°25	n.a.	S 22
M23	9 55 54	0♓59'11	10♊ 6	8° 0	4°42	16° 2	12°51	23°58	15°41	14°49	1° 0	19°23	21° 0	4°31	n.a.	M23
T 24	9 59 51	1°58'29	23°35	10° 1	5°55	16°35	13° 6	24° 2	15°38	14°48	1° 0	19°20	20°57	4°38	n.a.	T 24
W25	10 3 47	2°57'44	7♋33	12° 2	7° 9	17° 7	13°20	24° 6	15°36	14°47	1° 1	19°16	20°54	4°45	n.a.	W25
T 26	10 7 44	3°56'57	22° 0	14° 2	8°22	17°40	13°34	24°10	15°34	14°46	1° 1	19°11	20°51	4°52	n.a.	T 26
F 27	10 11 40	4°56'07	6♌52	16° 0	9°36	18°13	13°49	24°14	15°31	14°45	1° 1	19° 4	20°48	4°58	n.a.	F 27
S 28	10 15 37	5♓55'15	22♌ 1	17♓57	10♒49	18♉46	14♓ 3	24♐17	15♌29	14♋44	1♐ 2	18♎57	20♎45	5♓ 5	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s12	8n12	3s58	23s 7	2s 2	23s21	0n 8	14n29	1n25	9s53	1s13	22s49	0n40	16n47	0n47	22n47	0s 3	14s16	6n25	8s17	8s44	7s10			n.a.
M 2	17 55	3 30	3 1	22 48	2 3	23 20	0 5	14 40	1 25	9 48	1 13	22 50	0 40	16 48	0 47	22 47	0 3	14 16	6 25	8 14	8 43	7 8			n.a.
T 3	17 39	1s20	1 53	22 27	2 4	23 17	0 2	14 51	1 26	9 43	1 13	22 50	0 40	16 48	0 47	22 47	0 3	14 16	6 25	8 12	8 42	7 7			n.a.
W 4	17 22	5 58	0 39	22 4	2 5	23 14	0s 1	15 1	1 26	9 38	1 13	22 50	0 40	16 49	0 47	22 47	0 3	14 16	6 25	8 12	8 40	7 5			n.a.
T 5	17 5	10 9	0n36	21 40	2 5	23 10	0 4	15 12	1 26	9 32	1 13	22 51	0 40	16 50	0 47	22 48	0 3	14 16	6 25	8 12	8 39	7 3			n.a.
F 6	16 48	13 40	1 46	21 14	2 5	23 6	0 7	15 22	1 26	9 27	1 12	22 51	0 40	16 51	0 47	22 48	0 3	14 16	6 25	8 12	8 38	7 1			n.a.
S 7	16 30	16 21	2 49	20 46	2 4	23 1	0 10	15 33	1 27	9 22	1 12	22 51	0 40	16 52	0 47	22 48	0 3	14 17	6 26	8 12	8 37	6 59			n.a.
S 8	16 12	18 9	3 41	20 16	2 3	22 55	0 12	15 43	1 27	9 17	1 12	22 52	0 40	16 52	0 47	22 48	0 3	14 17	6 26	8 11	8 36	6 57			n.a.
M 9	15 54	18 59	4 22	19 44	2 1	22 48	0 15	15 53	1 27	9 11	1 12	22 52	0 40	16 53	0 47	22 48	0 3	14 17	6 26	8 9	8 34	6 55			n.a.
T 10	15 35	18 53	4 49	19 10	1 59	22 41	0 18	16 4	1 27	9 6	1 12	22 52	0 40	16 54	0 47	22 49	0 3	14 17	6 26	8 6	8 33	6 54			n.a.
W11	15 17	17 54	5 2	18 35	1 56	22 33	0 21	16 14	1 27	9 0	1 12	22 52	0 40	16 55	0 47	22 49	0 3	14 17	6 26	8 3	8 32	6 52			n.a.
T 12	14 58	16 7	5 2	17 58	1 53	22 25	0 24	16 24	1 27	8 55	1 12	22 53	0 40	16 56	0 47	22 49	0 3	14 17	6 26	7 58	8 31	6 50			n.a.
F 13	14 38	13 39	4 48	17 19	1 49	22 15	0 26	16 35	1 28	8 50	1 12	22 53	0 40	16 56	0 47	22 49	0 3	14 17	6 26	7 54	8 30	6 48			n.a.
S 14	14 19	10 38	4 21	16 38	1 45	22 5	0 29	16 45	1 28	8 44	1 12	22 53	0 40	16 57	0 47	22 49	0 3	14 17	6 26	7 50	8 28	6 46			n.a.
S 15	13 59	7 13	3 44	15 55	1 40	21 55	0 31	16 55	1 28	8 39	1 12	22 53	0 40	16 58	0 47	22 49	0 3	14 17	6 26	7 46	8 27	6 44			n.a.
M16	13 40	3 31	2 56	15 10	1 34	21 44	0 34	17 5	1 28	8 33	1 12	22 54	0 40	16 59	0 47	22 50	0 3	14 17	6 26	7 43	8 26	6 42			n.a.
T 17	13 20	0n19	2 1	14 24	1 28	21 32	0 37	17 15	1 28	8 28	1 12	22 54	0 40	17 0	0 47	22 50	0 3	14 17	6 27	7 41	8 25	6 41			n.a.
W18	12 59	4 9	1 0	13 36	1 21	21 19	0 39	17 25	1 28	8 22	1 12	22 54	0 40	17 0	0 47	22 50	0 3	14 17	6 27	7 40	8 24	6 39			n.a.
T 19	12 39	7 51	0s 3	12 47	1 14	21 6	0 41	17 35	1 28	8 17	1 12	22 54	0 40	17 1	0 47	22 50	0 3	14 17	6 27	7 39	8 22	6 37			n.a.
F 20	12 18	11 16	1 8	11 56	1 6	20 53	0 44	17 45	1 28	8 11	1 12	22 55	0 40	17 2	0 47	22 50	0 3	14 17	6 27	7 40	8 21	6 35			n.a.
S 21	11 57	14 16	2 11	11 4	0 58	20 38	0 46	17 55	1 29	8 6	1 12	22 55	0 40	17 3	0 47	22 50	0 3	14 17	6 27	7 40	8 20	6 33			n.a.
S 22	11 36	16 40	3 9	10 11	0 49	20 23	0 48	18 5	1 29	8 0	1 12	22 55	0 40	17 3	0 47	22 50	0 3	14 17	6 27	7 40	8 19	6 31			n.a.
M23	11 15	18 17	4 0	9 16	0 39	20 8	0 51	18 15	1 29	7 54	1 11	22 55	0 40	17 4	0 47	22 50	0 3	14 17	6 27	7 40	8 17	6 29			n.a.
T 24	10 54	18 56	4 38	8 21	0 29	19 52	0 53	18 24	1 29	7 49	1 11	22 55	0 40	17 5	0 47	22 51	0 3	14 17	6 27	7 39	8 16	6 27			n.a.
W25	10 32	18 28	5 2	7 25	0 18	19 35	0 55	18 34	1 29	7 43	1 11	22 56	0 40	17 6	0 47	22 51	0 3	14 17	6 27	7 38	8 15	6 26			n.a.
T 26	10 11	16 49	5 8	6 28	0 7	19 18	0 57	18 43	1 29	7 38	1 11	22 56	0 40	17 6	0 47	22 51	0 3	14 17	6 28	7 36	8 14	6 24			n.a.
F 27	9 49	14 2	4 54	5 31	0n 4	19 0	0 59	18 53	1 29	7 32	1 11	22 56	0 40	17 7	0 47	22 51	0 3	14 17	6 28	7 33	8 13	6 22			n.a.
S 28	9s27	10n15	4s19	4s35	0n15	18s42	1s 1	19n 2	1n29	7s27	1s11	22s56	0n39	17n 8	0n47	22n51	0s 3	14s17	6n28	7s31	8s11	6s20			n.a.

Julian Day Number = 1641099.5, Delta T = 03h36m21s
Ecliptic obliquity = 23°43'10, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'19, Lahiri = - 6°59'19 Julian Calendar 1 Feb. 220 BCE == Greg. Calendar 28 Jan. 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

MARCH 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 19 33	6♓54'20	7♍19	19♓52	12♒ 2	19♉19	14♓17	24♐21	15°R26	14°R43	1♐ 2	18°R52	20♎41	5♓12	n.a.	S 1
M 2	10 23 30	7°53'23	22°34	21°45	13°16	19°52	14°32	24°25	15♌24	14♋42	1° 2	18♎48	20°38	5°18	n.a.	M 2
T 3	10 27 26	8°52'25	7♎36	23°35	14°29	20°26	14°46	24°28	15°22	14°41	1° 2	18°45	20°35	5°25	n.a.	T 3
W 4	10 31 23	9°51'24	22°17	25°21	15°43	20°59	15° 0	24°31	15°19	14°40	1° 2	18°D45	20°32	5°32	n.a.	W 4
T 5	10 35 20	10°50'22	6♏33	27° 4	16°56	21°32	15°15	24°35	15°17	14°39	1° 2	18°46	20°29	5°38	n.a.	T 5
F 6	10 39 16	11°49'17	20°22	28°44	18°10	22° 6	15°29	24°38	15°15	14°39	1° 2	18°47	20°26	5°45	n.a.	F 6
S 7	10 43 13	12°48'11	3♐44	0♈19	19°23	22°39	15°44	24°41	15°12	14°38	1°R 2	18°48	20°22	5°52	n.a.	S 7
S 8	10 47 9	13°47'03	16°42	1°49	20°37	23°13	15°58	24°44	15°10	14°37	1° 2	18°R49	20°19	5°58	n.a.	S 8
M 9	10 51 6	14°45'53	29°20	3°15	21°50	23°46	16°12	24°47	15° 8	14°37	1° 2	18°48	20°16	6° 5	n.a.	M 9
T 10	10 55 2	15°44'42	11♑42	4°36	23° 4	24°20	16°27	24°50	15° 6	14°36	1° 2	18°45	20°13	6°12	n.a.	T 10
W11	10 58 59	16°43'28	23°51	5°51	24°17	24°54	16°41	24°53	15° 4	14°35	1° 2	18°41	20°10	6°18	n.a.	W11
T 12	11 2 55	17°42'13	5♒51	7° 1	25°31	25°28	16°56	24°55	15° 2	14°35	1° 2	18°36	20° 6	6°25	n.a.	T 12
F 13	11 6 52	18°40'56	17°44	8° 6	26°44	26° 1	17°10	24°58	15° 0	14°34	1° 2	18°31	20° 3	6°32	n.a.	F 13
S 14	11 10 49	19°39'37	29°35	9° 4	27°58	26°35	17°24	25° 0	14°58	14°34	1° 2	18°25	20° 0	6°38	n.a.	S 14
S 15	11 14 45	20°38'15	11♓24	9°57	29°11	27° 9	17°39	25° 3	14°56	14°33	1° 1	18°21	19°57	6°45	n.a.	S 15
M16	11 18 42	21°36'52	23°14	10°44	0♓25	27°43	17°53	25° 5	14°54	14°33	1° 1	18°17	19°54	6°52	n.a.	M16
T 17	11 22 38	22°35'27	5♈ 7	11°25	1°38	28°17	18° 7	25° 7	14°52	14°32	1° 1	18°15	19°51	6°59	n.a.	T 17
W18	11 26 35	23°33'59	17° 4	11°59	2°52	28°52	18°22	25° 9	14°50	14°32	1° 0	18°D15	19°47	7° 5	n.a.	W18
T 19	11 30 31	24°32'30	29° 9	12°28	4° 5	29°26	18°36	25°11	14°48	14°31	1° 0	18°15	19°44	7°12	n.a.	T 19
F 20	11 34 28	25°30'58	11♉24	12°50	5°19	0♊ 0	18°51	25°13	14°46	14°31	1° 0	18°16	19°41	7°19	n.a.	F 20
S 21	11 38 24	26°29'25	23°51	13° 7	6°32	0°34	19° 5	25°15	14°45	14°31	0°59	18°18	19°38	7°25	n.a.	S 21
S 22	11 42 21	27°27'49	6♊35	13°17	7°46	1° 9	19°19	25°17	14°43	14°31	0°59	18°19	19°35	7°32	n.a.	S 22
M23	11 46 17	28°26'11	19°37	13°R21	8°59	1°43	19°34	25°18	14°41	14°30	0°58	18°20	19°32	7°39	n.a.	M23
T 24	11 50 14	29°24'31	3♋ 2	13°20	10°13	2°18	19°48	25°20	14°40	14°30	0°58	18°R20	19°28	7°45	n.a.	T 24
W25	11 54 11	0♈22'48	16°51	13°13	11°26	2°52	20° 2	25°21	14°38	14°30	0°57	18°20	19°25	7°52	n.a.	W25
T 26	11 58 7	1°21'03	1♌ 4	13° 0	12°39	3°27	20°16	25°23	14°36	14°30	0°57	18°18	19°22	7°59	n.a.	T 26
F 27	12 2 4	2°19'16	15°39	12°43	13°53	4° 1	20°31	25°24	14°35	14°30	0°56	18°17	19°19	8° 5	n.a.	F 27
S 28	12 6 0	3°17'27	0♍32	12°21	15° 6	4°36	20°45	25°25	14°33	14°30	0°56	18°15	19°16	8°12	n.a.	S 28
S 29	12 9 57	4°15'36	15°37	11°55	16°20	5°11	20°59	25°26	14°32	14°30	0°55	18°13	19°12	8°19	n.a.	S 29
M30	12 13 53	5°13'43	0♎43	11°26	17°33	5°45	21°13	25°27	14°31	14°D30	0°54	18°12	19° 9	8°25	n.a.	M30
T 31	12 17 50	6♈11'48	15♎43	10♈53	18♓47	6♊20	21♓27	25♐28	14♌29	14♋30	0♐54	18°D12	19♎ 6	8♓32	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	9s 5	5n45	3s26	3s38	0n27	18s23	1s 3	19n11	1n29	7s21	1s11	22s56	0n39	17n 8	0n47	22n51	0s 3	14s17	6n28	7s28	8s10	6s18			n.a.
M 2	8 43	0 53	2 17	2 42	0 39	18 4	1 5	19 21	1 29	7 15	1 11	22 57	0 39	17 9	0 47	22 51	0 3	14 17	6 28	7 27	8 9	6 16			n.a.
T 3	8 20	3s58	1 0	1 48	0 52	17 44	1 7	19 30	1 29	7 10	1 11	22 57	0 39	17 10	0 47	22 51	0 3	14 16	6 28	7 26	8 8	6 14			n.a.
W 4	7 58	8 29	0n19	0 54	1 4	17 24	1 8	19 39	1 29	7 4	1 11	22 57	0 39	17 11	0 47	22 52	0 3	14 16	6 28	7 26	8 7	6 12			n.a.
T 5	7 35	12 22	1 35	0 1	1 16	17 3	1 10	19 48	1 29	6 58	1 11	22 57	0 39	17 11	0 47	22 52	0 3	14 16	6 28	7 26	8 5	6 11			n.a.
F 6	7 13	15 25	2 44	0n50	1 28	16 42	1 12	19 57	1 29	6 53	1 11	22 57	0 39	17 12	0 47	22 52	0 3	14 16	6 28	7 27	8 4	6 9			n.a.
S 7	6 50	17 32	3 41	1 39	1 39	16 20	1 13	20 5	1 29	6 47	1 11	22 57	0 39	17 13	0 47	22 52	0 2	14 16	6 29	7 27	8 3	6 7			n.a.
S 8	6 27	18 39	4 25	2 25	1 51	15 58	1 15	20 14	1 29	6 41	1 11	22 57	0 39	17 13	0 47	22 52	0 2	14 16	6 29	7 27	8 2	6 5			n.a.
M 9	6 4	18 49	4 54	3 10	2 2	15 35	1 16	20 23	1 29	6 36	1 11	22 58	0 39	17 14	0 47	22 52	0 2	14 16	6 29	7 27	8 1	6 3			n.a.
T 10	5 41	18 3	5 10	3 52	2 12	15 12	1 17	20 31	1 29	6 30	1 11	22 58	0 39	17 14	0 47	22 52	0 2	14 16	6 29	7 26	7 59	6 1			n.a.
W11	5 18	16 29	5 11	4 31	2 22	14 49	1 19	20 40	1 29	6 24	1 11	22 58	0 39	17 15	0 47	22 52	0 2	14 16	6 29	7 24	7 58	5 59			n.a.
T 12	4 55	14 13	4 58	5 7	2 31	14 25	1 20	20 48	1 29	6 19	1 11	22 58	0 39	17 16	0 47	22 52	0 2	14 16	6 29	7 22	7 57	5 57			n.a.
F 13	4 32	11 22	4 33	5 41	2 39	14 1	1 21	20 56	1 29	6 13	1 11	22 58	0 39	17 16	0 47	22 52	0 2	14 15	6 29	7 20	7 56	5 56			n.a.
S 14	4 8	8 4	3 56	6 11	2 47	13 36	1 22	21 4	1 29	6 7	1 11	22 58	0 39	17 17	0 47	22 52	0 2	14 15	6 29	7 18	7 55	5 54			n.a.
S 15	3 45	4 28	3 9	6 38	2 53	13 11	1 23	21 12	1 29	6 2	1 11	22 58	0 39	17 17	0 47	22 52	0 2	14 15	6 29	7 16	7 53	5 52			n.a.
M16	3 22	0 41	2 13	7 2	2 59	12 46	1 24	21 20	1 29	5 56	1 11	22 58	0 39	17 18	0 47	22 53	0 2	14 15	6 29	7 15	7 52	5 50			n.a.
T 17	2 58	3n 9	1 12	7 23	3 4	12 20	1 25	21 28	1 29	5 50	1 11	22 58	0 39	17 18	0 47	22 53	0 2	14 15	6 30	7 14	7 51	5 48			n.a.
W18	2 35	6 53	0 6	7 40	3 8	11 54	1 26	21 36	1 29	5 45	1 11	22 59	0 39	17 19	0 47	22 53	0 2	14 15	6 30	7 14	7 50	5 46			n.a.
T 19	2 12	10 22	1s 0	7 53	3 10	11 28	1 27	21 43	1 29	5 39	1 11	22 59	0 39	17 20	0 47	22 53	0 2	14 14	6 30	7 14	7 48	5 44			n.a.
F 20	1 48	13 28	2 4	8 3	3 11	11 1	1 27	21 51	1 29	5 33	1 11	22 59	0 39	17 20	0 47	22 53	0 2	14 14	6 30	7 15	7 47	5 42			n.a.
S 21	1 25	15 59	3 4	8 10	3 11	10 35	1 28	21 58	1 29	5 28	1 11	22 59	0 39	17 21	0 47	22 53	0 2	14 14	6 30	7 15	7 46	5 41			n.a.
S 22	1 1	17 47	3 56	8 13	3 10	10 7	1 29	22 5	1 29	5 22	1 11	22 59	0 39	17 21	0 46	22 53	0 2	14 14	6 30	7 16	7 45	5 39			n.a.
M23	0 38	18 42	4 37	8 12	3 8	9 40	1 29	22 12	1 29	5 16	1 11	22 59	0 39	17 21	0 46	22 53	0 2	14 14	6 30	7 16	7 44	5 37			n.a.
T 24	0 14	18 36	5 5	8 8	3 4	9 12	1 29	22 19	1 29	5 11	1 11	22 59	0 39	17 22	0 46	22 53	0 2	14 14	6 30	7 16	7 42	5 35			n.a.
W25	0n 9	17 25	5 16	8 0	2 58	8 44	1 30	22 26	1 29	5 5	1 11	22 59	0 39	17 22	0 46	22 53	0 2	14 13	6 30	7 16	7 41	5 33			n.a.
T 26	0 33	15 8	5 8	7 49	2 52	8 16	1 30	22 33	1 29	4 59	1 11	22 59	0 39	17 23	0 46	22 53	0 2	14 13	6 30	7 16	7 40	5 31			n.a.
F 27	0 56	11 52	4 41	7 35	2 44	7 48	1 30	22 39	1 29	4 54	1 11	22 59	0 39	17 23	0 46	22 53	0 2	14 13	6 30	7 15	7 39	5 29			n.a.
S 28	1 19	7 46	3 54	7 18	2 34	7 19	1 30	22 46	1 29	4 48	1 12	22 59	0 39	17 24	0 46	22 53	0 2	14 13	6 31	7 14	7 38	5 27			n.a.
S 29	1 43	3 7	2 51	6 58	2 24	6 51	1 31	22 52	1 29	4 43	1 12	22 59	0 39	17 24	0 46	22 53	0 2	14 13	6 31	7 13	7 36	5 25			n.a.
M30	2 6	1s45	1 35	6 35	2 12	6 22	1 31	22 59	1 29	4 37	1 12	22 59	0 39	17 24	0 46	22 53	0 2	14 12	6 31	7 13	7 35	5 24			n.a.
T 31	2n29	6s28	0s14	6n10	1n59	5s52	1s31	23n 5	1n29	4s31	1s12	22s59	0n39	17n25	0n46	22n53	0s 2	14s12	6n31	7s13	7s34	5s22			n.a.

Julian Day Number = 1641127.5, Delta T = 03h36m20s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'16, Lahiri = - 6°59'15 Julian Calendar 1 March 220 BCE == Greg. Calendar 25 Feb. 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

APRIL 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 21 46	7♈ 9'52	0♏27	10°R18	20♓ 0	6♊55	21♓41	25♐29	14°R28	14♋30	0°R53	18♎12	19♎ 3	8♓39	n.a.	W 1
T 2	12 25 43	8° 7'53	14°50	9♈41	21°14	7°30	21°55	25°30	14♌27	14°30	0♐52	18°12	19° 0	8°45	n.a.	T 2
F 3	12 29 40	9° 5'54	28°47	9° 3	22°27	8° 5	22° 9	25°30	14°26	14°30	0°51	18°13	18°57	8°52	n.a.	F 3
S 4	12 33 36	10° 3'53	12♐18	8°25	23°41	8°40	22°24	25°31	14°25	14°30	0°50	18°14	18°53	8°59	n.a.	S 4
S 5	12 37 33	11° 1'50	25°24	7°47	24°54	9°15	22°38	25°31	14°23	14°30	0°50	18°14	18°50	9° 5	n.a.	S 5
M 6	12 41 29	11°59'46	8♑ 6	7°10	26° 7	9°50	22°51	25°31	14°22	14°30	0°49	18°R15	18°47	9°12	n.a.	M 6
T 7	12 45 26	12°57'40	20°29	6°34	27°21	10°25	23° 5	25°32	14°21	14°31	0°48	18°15	18°44	9°19	n.a.	T 7
W 8	12 49 22	13°55'34	2♒38	6° 1	28°34	11° 0	23°19	25°32	14°21	14°31	0°47	18°14	18°41	9°25	n.a.	W 8
T 9	12 53 19	14°53'25	14°35	5°30	29°48	11°35	23°33	25°R32	14°20	14°31	0°46	18°14	18°37	9°32	n.a.	T 9
F 10	12 57 15	15°51'16	26°27	5° 3	1♈ 1	12°10	23°47	25°32	14°19	14°32	0°45	18°14	18°34	9°39	n.a.	F 10
S 11	13 1 12	16°49'05	8♓15	4°39	2°15	12°45	24° 1	25°31	14°18	14°32	0°44	18°14	18°31	9°45	n.a.	S 11
S 12	13 5 8	17°46'52	20° 5	4°19	3°28	13°20	24°15	25°31	14°17	14°33	0°43	18°D13	18°28	9°52	n.a.	S 12
M13	13 9 5	18°44'38	1♈58	4° 3	4°42	13°56	24°28	25°31	14°17	14°33	0°42	18°13	18°25	9°59	n.a.	M13
T 14	13 13 2	19°42'23	13°58	3°51	5°55	14°31	24°42	25°30	14°16	14°33	0°41	18°R13	18°22	10° 5	n.a.	T 14
W15	13 16 58	20°40'06	26° 6	3°44	7° 9	15° 6	24°56	25°30	14°15	14°34	0°40	18°13	18°18	10°12	n.a.	W15
T 16	13 20 55	21°37'48	8♉25	3°D41	8°22	15°42	25° 9	25°29	14°15	14°35	0°39	18°13	18°15	10°19	n.a.	T 16
F 17	13 24 51	22°35'28	20°55	3°43	9°36	16°17	25°23	25°28	14°14	14°35	0°38	18°13	18°12	10°26	n.a.	F 17
S 18	13 28 48	23°33'07	3♊38	3°50	10°49	16°53	25°36	25°27	14°14	14°36	0°37	18°12	18° 9	10°32	n.a.	S 18
S 19	13 32 44	24°30'45	16°35	4° 1	12° 3	17°28	25°50	25°26	14°14	14°36	0°35	18°12	18° 6	10°39	n.a.	S 19
M20	13 36 41	25°28'21	29°48	4°16	13°16	18° 4	26° 3	25°25	14°13	14°37	0°34	18°11	18° 3	10°46	n.a.	M20
T 21	13 40 37	26°25'55	13♋17	4°36	14°30	18°39	26°17	25°24	14°13	14°38	0°33	18°10	17°59	10°52	n.a.	T 21
W22	13 44 34	27°23'27	27° 3	5° 0	15°43	19°15	26°30	25°23	14°13	14°39	0°32	18°D10	17°56	10°59	n.a.	W22
T 23	13 48 31	28°20'58	11♌ 6	5°29	16°56	19°50	26°43	25°21	14°13	14°39	0°31	18°10	17°53	11° 6	n.a.	T 23
F 24	13 52 27	29°18'28	25°25	6° 1	18°10	20°26	26°56	25°20	14°12	14°40	0°29	18°11	17°50	11°12	n.a.	F 24
S 25	13 56 24	0♉15'56	9♍58	6°38	19°23	21° 2	27°10	25°19	14°12	14°41	0°28	18°12	17°47	11°19	n.a.	S 25
S 26	14 0 20	1°13'22	24°39	7°19	20°37	21°38	27°23	25°17	14°D12	14°42	0°27	18°13	17°43	11°26	n.a.	S 26
M27	14 4 17	2°10'47	9♎24	8° 3	21°50	22°13	27°36	25°15	14°12	14°43	0°25	18°13	17°40	11°32	n.a.	M27
T 28	14 8 13	3° 8'11	24° 6	8°51	23° 4	22°49	27°49	25°13	14°13	14°44	0°24	18°R13	17°37	11°39	n.a.	T 28
W29	14 12 10	4° 5'34	8♏38	9°43	24°17	23°25	28° 2	25°12	14°13	14°45	0°23	18°13	17°34	11°46	n.a.	W29
T 30	14 16 6	5♉ 2'56	22♏55	10♈38	25♈31	24♊ 1	28♓14	25♐10	14♌13	14♋46	0♐21	18♎11	17♎31	11♓52	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n53	10s43	1n 7	5n44	1n45	5s23	1s30	23n11	1n29	4s26	1s12	22s59	0n39	17n25	0n46	22n53	0s 2	14s12	6n31	7s13	7s33	5s20		n.a.
T 2	3 16	14 12	2 23	5 15	1 30	4 54	1 30	23 16	1 29	4 20	1 12	22 59	0 39	17 25	0 46	22 53	0 2	14 12	6 31	7 13	7 31	5 18		n.a.
F 3	3 39	16 46	3 27	4 46	1 14	4 24	1 30	23 22	1 29	4 15	1 12	23 0	0 39	17 26	0 46	22 53	0 2	14 11	6 31	7 14	7 30	5 16		n.a.
S 4	4 2	18 17	4 17	4 16	0 58	3 55	1 30	23 28	1 29	4 9	1 12	23 0	0 39	17 26	0 46	22 53	0 2	14 11	6 31	7 14	7 29	5 14		n.a.
S 5	4 25	18 46	4 53	3 45	0 42	3 25	1 29	23 33	1 28	4 3	1 12	23 0	0 39	17 26	0 46	22 53	0 2	14 11	6 31	7 14	7 28	5 12		n.a.
M 6	4 48	18 16	5 13	3 15	0 25	2 55	1 29	23 38	1 28	3 58	1 12	23 0	0 39	17 27	0 46	22 53	0 2	14 11	6 31	7 14	7 27	5 10		n.a.
T 7	5 11	16 55	5 17	2 45	0 8	2 25	1 28	23 44	1 28	3 52	1 12	23 0	0 39	17 27	0 46	22 53	0 2	14 11	6 31	7 14	7 25	5 8		n.a.
W 8	5 33	14 49	5 8	2 17	0s 9	1 55	1 28	23 49	1 28	3 47	1 12	23 0	0 39	17 27	0 46	22 53	0 2	14 10	6 31	7 14	7 24	5 7		n.a.
T 9	5 56	12 7	4 45	1 49	0 26	1 25	1 27	23 53	1 28	3 41	1 12	23 0	0 39	17 27	0 46	22 53	0 2	14 10	6 31	7 14	7 23	5 5		n.a.
F 10	6 19	8 56	4 10	1 23	0 42	0 54	1 26	23 58	1 28	3 36	1 12	23 0	0 39	17 28	0 46	22 53	0 2	14 10	6 31	7 14	7 22	5 3		n.a.
S 11	6 41	5 25	3 24	0 59	0 58	0 24	1 26	24 3	1 28	3 30	1 12	23 0	0 39	17 28	0 46	22 53	0 2	14 10	6 31	7 14	7 20	5 1		n.a.
S 12	7 3	1 41	2 30	0 37	1 13	0n 6	1 25	24 7	1 28	3 25	1 12	23 0	0 39	17 28	0 46	22 53	0 2	14 9	6 31	7 14	7 19	4 59		n.a.
M13	7 26	2n 9	1 29	0 17	1 28	0 36	1 24	24 11	1 28	3 20	1 12	23 0	0 39	17 28	0 46	22 53	0 2	14 9	6 32	7 14	7 18	4 57		n.a.
T 14	7 48	5 56	0 24	0s 0	1 42	1 7	1 23	24 16	1 28	3 14	1 12	23 0	0 39	17 28	0 46	22 53	0 2	14 9	6 32	7 14	7 17	4 55		n.a.
W15	8 10	9 31	0s44	0 15	1 55	1 37	1 22	24 19	1 27	3 9	1 13	23 0	0 39	17 28	0 46	22 53	0 2	14 9	6 32	7 14	7 16	4 53		n.a.
T 16	8 32	12 44	1 50	0 27	2 7	2 7	1 21	24 23	1 27	3 3	1 13	23 0	0 39	17 29	0 46	22 53	0 2	14 8	6 32	7 14	7 14	4 51		n.a.
F 17	8 53	15 26	2 52	0 37	2 18	2 37	1 20	24 27	1 27	2 58	1 13	23 0	0 39	17 29	0 46	22 53	0 2	14 8	6 32	7 13	7 13	4 50		n.a.
S 18	9 15	17 25	3 46	0 44	2 28	3 8	1 19	24 30	1 27	2 53	1 13	23 0	0 39	17 29	0 46	22 53	0 2	14 8	6 32	7 13	7 12	4 48		n.a.
S 19	9 36	18 33	4 30	0 48	2 38	3 38	1 17	24 34	1 27	2 47	1 13	23 0	0 39	17 29	0 46	22 53	0 2	14 8	6 32	7 13	7 11	4 46		n.a.
M20	9 58	18 42	5 1	0 49	2 46	4 8	1 16	24 37	1 27	2 42	1 13	23 0	0 39	17 29	0 46	22 53	0 2	14 7	6 32	7 13	7 9	4 44		n.a.
T 21	10 19	17 48	5 16	0 48	2 53	4 38	1 15	24 40	1 27	2 37	1 13	23 0	0 39	17 29	0 45	22 52	0 2	14 7	6 32	7 12	7 8	4 42		n.a.
W22	10 40	15 52	5 13	0 44	3 0	5 8	1 13	24 43	1 27	2 31	1 13	23 0	0 39	17 29	0 45	22 52	0 2	14 7	6 32	7 12	7 7	4 40		n.a.
T 23	11 1	12 58	4 52	0 38	3 5	5 38	1 12	24 46	1 26	2 26	1 13	23 0	0 39	17 29	0 45	22 52	0 2	14 6	6 32	7 12	7 6	4 38		n.a.
F 24	11 21	9 14	4 13	0 29	3 10	6 7	1 10	24 48	1 26	2 21	1 13	23 0	0 39	17 29	0 45	22 52	0 2	14 6	6 32	7 13	7 5	4 36		n.a.
S 25	11 42	4 54	3 17	0 18	3 14	6 37	1 9	24 51	1 26	2 16	1 13	23 0	0 39	17 29	0 45	22 52	0 2	14 6	6 32	7 13	7 3	4 34		n.a.
S 26	12 2	0 13	2 7	0 4	3 17	7 6	1 7	24 53	1 26	2 11	1 14	23 0	0 39	17 29	0 45	22 52	0 2	14 6	6 32	7 13	7 2	4 33		n.a.
M27	12 22	4s31	0 49	0n11	3 19	7 35	1 6	24 55	1 26	2 5	1 14	23 0	0 38	17 29	0 45	22 52	0 2	14 5	6 32	7 14	7 1	4 31		n.a.
T 28	12 42	8 57	0n32	0 29	3 20	8 5	1 4	24 57	1 26	2 0	1 14	22 59	0 38	17 29	0 45	22 52	0 2	14 5	6 32	7 14	7 0	4 29		n.a.
W29	13 2	12 48	1 51	0 50	3 20	8 34	1 2	24 59	1 26	1 55	1 14	22 59	0 38	17 29	0 45	22 52	0 2	14 5	6 32	7 13	6 58	4 27		n.a.
T 30	13n21	15s49	3n 0	1n12	3s20	9n 2	1s 1	25n 0	1n25	1s50	1s14	22s59	0n38	17n29	0n45	22n52	0s 2	14s 5	6n32	7s13	6s57	4s25		n.a.

Julian Day Number = 1641158.5, Delta T = 03h36m19s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'11, Lahiri = - 6°59'11 Julian Calendar 1 Apr. 220 BCE == Greg. Calendar 28 March 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

MAY 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 20 3	6♉ 0'17	6♐51	11♈36	26♈44	24♊37	28♓27	25°R 8	14♌13	14♋47	0°R20	18°R 9	17♎28	11♓59	n.a.	F 1
S 2	14 24 0	6°57'37	20°24	12°38	27°58	25°12	28°40	25♐ 5	14°13	14°48	0♐19	18♎ 7	17°24	12° 6	n.a.	S 2
S 3	14 27 56	7°54'56	3♑33	13°43	29°11	25°48	28°53	25° 3	14°14	14°49	0°17	18° 4	17°21	12°12	n.a.	S 3
M 4	14 31 53	8°52'15	16°19	14°51	0♉25	26°24	29° 5	25° 1	14°14	14°50	0°16	18° 2	17°18	12°19	n.a.	M 4
T 5	14 35 49	9°49'33	28°45	16° 3	1°38	27° 0	29°18	24°59	14°15	14°51	0°14	18° 1	17°15	12°26	n.a.	T 5
W 6	14 39 46	10°46'50	10♒55	17°17	2°52	27°36	29°30	24°56	14°15	14°52	0°13	18°D 0	17°12	12°32	n.a.	W 6
T 7	14 43 42	11°44'07	22°54	18°34	4° 5	28°12	29°43	24°54	14°16	14°53	0°12	18° 1	17° 8	12°39	n.a.	T 7
F 8	14 47 39	12°41'23	4♓45	19°55	5°19	28°48	29°55	24°51	14°16	14°54	0°10	18° 2	17° 5	12°46	n.a.	F 8
S 9	14 51 35	13°38'38	16°34	21°18	6°32	29°25	0♈ 7	24°48	14°17	14°56	0° 9	18° 3	17° 2	12°52	n.a.	S 9
S 10	14 55 32	14°35'53	28°26	22°44	7°46	0♋ 1	0°19	24°45	14°18	14°57	0° 7	18° 5	16°59	12°59	n.a.	S 10
M11	14 59 29	15°33'08	10♈24	24°13	8°59	0°37	0°32	24°43	14°19	14°58	0° 6	18° 6	16°56	13° 6	n.a.	M11
T 12	15 3 25	16°30'22	22°32	25°45	10°13	1°13	0°44	24°40	14°19	15° 0	0° 4	18°R 6	16°53	13°12	n.a.	T 12
W13	15 7 22	17°27'35	4♉52	27°20	11°26	1°49	0°56	24°37	14°20	15° 1	0° 3	18° 5	16°49	13°19	n.a.	W13
T 14	15 11 18	18°24'48	17°26	28°57	12°40	2°26	1° 7	24°34	14°21	15° 2	0° 1	18° 3	16°46	13°26	n.a.	T 14
F 15	15 15 15	19°22'01	0♊16	0♉37	13°54	3° 2	1°19	24°30	14°22	15° 4	29♏59	17°59	16°43	13°32	n.a.	F 15
S 16	15 19 11	20°19'12	13°21	2°20	15° 7	3°38	1°31	24°27	14°23	15° 5	29°58	17°54	16°40	13°39	n.a.	S 16
S 17	15 23 8	21°16'24	26°40	4° 6	16°21	4°15	1°43	24°24	14°24	15° 7	29°57	17°49	16°37	13°46	n.a.	S 17
M18	15 27 4	22°13'34	10♋12	5°54	17°34	4°51	1°54	24°21	14°26	15° 8	29°55	17°44	16°34	13°52	n.a.	M18
T 19	15 31 1	23°10'44	23°56	7°45	18°48	5°27	2° 6	24°17	14°27	15°10	29°54	17°40	16°30	13°59	n.a.	T 19
W20	15 34 58	24° 7'53	7♌50	9°38	20° 2	6° 4	2°17	24°14	14°28	15°11	29°52	17°37	16°27	14° 6	n.a.	W20
T 21	15 38 54	25° 5'02	21°52	11°34	21°15	6°40	2°28	24°10	14°29	15°13	29°50	17°D36	16°24	14°12	n.a.	T 21
F 22	15 42 51	26° 2'09	6♍ 2	13°33	22°29	7°17	2°40	24° 7	14°31	15°14	29°49	17°36	16°21	14°19	n.a.	F 22
S 23	15 46 47	26°59'16	20°18	15°33	23°42	7°53	2°51	24° 3	14°32	15°16	29°47	17°38	16°18	14°26	n.a.	S 23
S 24	15 50 44	27°56'23	4♎36	17°36	24°56	8°30	3° 2	23°59	14°34	15°17	29°46	17°39	16°14	14°32	n.a.	S 24
M25	15 54 40	28°53'29	18°56	19°40	26°10	9° 7	3°13	23°56	14°35	15°19	29°44	17°R39	16°11	14°39	n.a.	M25
T 26	15 58 37	29°50'34	3♏12	21°46	27°23	9°43	3°23	23°52	14°37	15°21	29°43	17°38	16° 8	14°46	n.a.	T 26
W27	16 2 33	0♊47'40	17°22	23°54	28°37	10°20	3°34	23°48	14°38	15°22	29°41	17°35	16° 5	14°52	n.a.	W27
T 28	16 6 30	1°44'45	1♐21	26° 2	29°51	10°57	3°45	23°44	14°40	15°24	29°40	17°31	16° 2	14°59	n.a.	T 28
F 29	16 10 27	2°41'50	15° 4	28°12	1♊ 4	11°33	3°55	23°40	14°42	15°26	29°38	17°24	15°59	15° 6	n.a.	F 29
S 30	16 14 23	3°38'55	28°29	0♊22	2°18	12°10	4° 6	23°36	14°43	15°28	29°36	17°17	15°55	15°12	n.a.	S 30
S 31	16 18 20	4♊36'00	11♑34	2♊33	3♊32	12♋47	4♈16	23♐32	14♌45	15♋29	29♏35	17♎ 9	15♎52	15♓19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n41	17s48	3n57	1n36	3s19	9n31	0s59	25n 2	1n25	1s45	1s14	22s59	0n38	17n28	0n45	22n52	0s 2	14s 4	6n32	7s12	6s56	4s23		n.a.
S 2	14 0	18 43	4 40	2 2	3 17	9 59	0 57	25 3	1 25	1 40	1 14	22 59	0 38	17 28	0 45	22 52	0 2	14 4	6 32	7 11	6 55	4 21		n.a.
S 3	14 19	18 35	5 5	2 30	3 14	10 27	0 55	25 4	1 25	1 35	1 14	22 59	0 38	17 28	0 45	22 51	0 2	14 4	6 32	7 10	6 53	4 19		n.a.
M 4	14 37	17 30	5 15	2 59	3 11	10 55	0 53	25 5	1 25	1 30	1 14	22 59	0 38	17 28	0 45	22 51	0 2	14 4	6 32	7 9	6 52	4 17		n.a.
T 5	14 56	15 36	5 10	3 31	3 7	11 23	0 51	25 6	1 25	1 25	1 15	22 59	0 38	17 28	0 45	22 51	0 2	14 3	6 32	7 9	6 51	4 16		n.a.
W 6	15 14	13 2	4 51	4 4	3 2	11 50	0 49	25 6	1 25	1 20	1 15	22 59	0 38	17 28	0 45	22 51	0 2	14 3	6 32	7 8	6 50	4 14		n.a.
T 7	15 32	9 58	4 19	4 38	2 57	12 17	0 47	25 7	1 24	1 15	1 15	22 59	0 38	17 27	0 45	22 51	0 2	14 3	6 32	7 9	6 49	4 12		n.a.
F 8	15 50	6 31	3 37	5 14	2 51	12 44	0 45	25 7	1 24	1 11	1 15	22 59	0 38	17 27	0 45	22 51	0 2	14 2	6 32	7 9	6 47	4 10		n.a.
S 9	16 7	2 50	2 45	5 52	2 45	13 11	0 43	25 7	1 24	1 6	1 15	22 59	0 38	17 27	0 45	22 51	0 2	14 2	6 32	7 10	6 46	4 8		n.a.
S 10	16 24	0n59	1 46	6 30	2 38	13 37	0 41	25 7	1 24	1 1	1 15	22 59	0 38	17 27	0 45	22 51	0 2	14 2	6 32	7 10	6 45	4 6		n.a.
M11	16 41	4 49	0 42	7 11	2 30	14 3	0 39	25 7	1 24	0 56	1 15	22 59	0 38	17 26	0 45	22 50	0 2	14 2	6 32	7 11	6 44	4 4		n.a.
T 12	16 58	8 29	0s24	7 52	2 22	14 29	0 37	25 6	1 23	0 51	1 15	22 59	0 38	17 26	0 45	22 50	0 2	14 1	6 31	7 11	6 42	4 2		n.a.
W13	17 14	11 52	1 31	8 34	2 13	14 54	0 34	25 6	1 23	0 47	1 16	22 59	0 38	17 26	0 45	22 50	0 2	14 1	6 31	7 10	6 41	4 0		n.a.
T 14	17 31	14 47	2 34	9 17	2 4	15 19	0 32	25 5	1 23	0 42	1 16	22 59	0 38	17 26	0 45	22 50	0 2	14 1	6 31	7 9	6 40	3 59		n.a.
F 15	17 46	17 1	3 30	10 2	1 55	15 43	0 30	25 4	1 23	0 38	1 16	22 58	0 38	17 25	0 45	22 50	0 2	14 1	6 31	7 8	6 39	3 57		n.a.
S 16	18 2	18 25	4 17	10 47	1 45	16 7	0 28	25 3	1 23	0 33	1 16	22 58	0 38	17 25	0 45	22 50	0 2	14 0	6 31	7 6	6 37	3 55		n.a.
S 17	18 17	18 50	4 51	11 33	1 35	16 31	0 25	25 2	1 23	0 28	1 16	22 58	0 38	17 25	0 45	22 50	0 2	14 0	6 31	7 4	6 36	3 53		n.a.
M18	18 32	18 11	5 9	12 19	1 25	16 54	0 23	25 0	1 22	0 24	1 16	22 58	0 38	17 24	0 44	22 49	0 2	14 0	6 31	7 2	6 35	3 51		n.a.
T 19	18 47	16 29	5 10	13 6	1 14	17 17	0 21	24 58	1 22	0 19	1 16	22 58	0 38	17 24	0 44	22 49	0 2	14 0	6 31	7 1	6 34	3 49		n.a.
W20	19 1	13 49	4 53	13 53	1 3	17 40	0 18	24 57	1 22	0 15	1 17	22 58	0 38	17 23	0 44	22 49	0 2	13 59	6 31	7 0	6 33	3 47		n.a.
T 21	19 16	10 19	4 18	14 40	0 52	18 1	0 16	24 55	1 22	0 11	1 17	22 58	0 38	17 23	0 44	22 49	0 1	13 59	6 31	6 59	6 31	3 45		n.a.
F 22	19 29	6 12	3 27	15 27	0 41	18 23	0 14	24 52	1 22	0 6	1 17	22 58	0 37	17 23	0 44	22 49	0 1	13 59	6 31	6 59	6 30	3 43		n.a.
S 23	19 43	1 42	2 23	16 13	0 29	18 44	0 11	24 50	1 21	0 2	1 17	22 58	0 37	17 22	0 44	22 49	0 1	13 59	6 31	7 0	6 29	3 42		n.a.
S 24	19 56	2s56	1 10	16 59	0 18	19 5	0 9	24 48	1 21	0n 2	1 17	22 58	0 37	17 22	0 44	22 48	0 1	13 58	6 31	7 0	6 28	3 40		n.a.
M25	20 9	7 24	0n 7	17 45	0 7	19 25	0 7	24 45	1 21	0 7	1 17	22 57	0 37	17 21	0 44	22 48	0 1	13 58	6 31	7 0	6 26	3 38		n.a.
T 26	20 21	11 25	1 23	18 29	0n 4	19 44	0 4	24 42	1 21	0 11	1 18	22 57	0 37	17 21	0 44	22 48	0 1	13 58	6 30	7 0	6 25	3 36		n.a.
W27	20 33	14 45	2 34	19 12	0 15	20 3	0 2	24 39	1 21	0 15	1 18	22 57	0 37	17 20	0 44	22 48	0 1	13 58	6 30	6 59	6 24	3 34		n.a.
T 28	20 45	17 10	3 34	19 54	0 25	20 22	0n 0	24 36	1 20	0 19	1 18	22 57	0 37	17 20	0 44	22 48	0 1	13 58	6 30	6 57	6 23	3 32		n.a.
F 29	20 57	18 33	4 21	20 34	0 35	20 39	0 3	24 32	1 20	0 23	1 18	22 57	0 37	17 19	0 44	22 48	0 1	13 57	6 30	6 55	6 21	3 30		n.a.
S 30	21 8	18 51	4 52	21 12	0 45	20 57	0 5	24 29	1 20	0 27	1 18	22 57	0 37	17 19	0 44	22 47	0 1	13 57	6 30	6 52	6 20	3 28		n.a.
S 31	21n18	18s 7	5n 7	21n48	0n54	21n14	0n 7	24n25	1n20	0n31	1s18	22s57	0n37	17n18	0n44	22n47	0s 1	13s57	6n30	6s49	6s19	3s26		n.a.

Julian Day Number = 1641188.5, Delta T = 03h36m18s
Ecliptic obliquity = 23°43'10, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'07, Lahiri = - 6°59'07 Julian Calendar 1 May 220 BCE == Greg. Calendar 27 Apr. 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

JUNE 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 22 16	5♊33'05	24♉18	4♊43	4♊45	13♋23	4♈26	23°R28	14♌47	15♋31	29°R33	17°R 2	15♎49	15♓26	n.a.	M 1
T 2	16 26 13	6°30'10	6♒44	6°53	5°59	14° 0	4°36	23♐24	14°49	15°33	29♏32	16♎56	15°46	15°32	n.a.	T 2
W 3	16 30 9	7°27'16	18°55	9° 3	7°13	14°37	4°46	23°20	14°51	15°35	29°30	16°52	15°43	15°39	n.a.	W 3
T 4	16 34 6	8°24'22	0♓53	11°12	8°26	15°14	4°56	23°16	14°53	15°37	29°29	16°50	15°40	15°46	n.a.	T 4
F 5	16 38 3	9°21'28	12°45	13°21	9°40	15°51	5° 6	23°11	14°55	15°38	29°27	16°D50	15°36	15°52	n.a.	F 5
S 6	16 41 59	10°18'35	24°34	15°28	10°54	16°28	5°15	23° 7	14°57	15°40	29°26	16°51	15°33	15°59	n.a.	S 6
S 7	16 45 56	11°15'42	6♈27	17°34	12° 8	17° 5	5°25	23° 3	14°59	15°42	29°24	16°52	15°30	16° 6	n.a.	S 7
M 8	16 49 52	12°12'50	18°29	19°38	13°21	17°42	5°34	22°59	15° 1	15°44	29°23	16°R52	15°27	16°12	n.a.	M 8
T 9	16 53 49	13° 9'58	0♉43	21°41	14°35	18°19	5°44	22°54	15° 3	15°46	29°21	16°51	15°24	16°19	n.a.	T 9
W10	16 57 45	14° 7'06	13°13	23°42	15°49	18°56	5°53	22°50	15° 5	15°48	29°20	16°48	15°20	16°26	n.a.	W10
T 11	17 1 42	15° 4'15	26° 2	25°42	17° 3	19°33	6° 2	22°46	15° 8	15°50	29°18	16°43	15°17	16°32	n.a.	T 11
F 12	17 5 38	16° 1'25	9♊11	27°40	18°17	20°10	6°11	22°41	15°10	15°52	29°17	16°35	15°14	16°39	n.a.	F 12
S 13	17 9 35	16°58'35	22°39	29°36	19°30	20°47	6°20	22°37	15°12	15°54	29°15	16°26	15°11	16°46	n.a.	S 13
S 14	17 13 32	17°55'46	6♋24	1♋30	20°44	21°25	6°28	22°32	15°15	15°56	29°14	16°16	15° 8	16°52	n.a.	S 14
M15	17 17 28	18°52'56	20°21	3°23	21°58	22° 2	6°37	22°28	15°17	15°58	29°12	16° 7	15° 5	16°59	n.a.	M15
T 16	17 21 25	19°50'07	4♌28	5°13	23°12	22°39	6°45	22°24	15°20	16° 0	29°11	15°59	15° 1	17° 6	n.a.	T 16
W17	17 25 21	20°47'19	18°39	7° 2	24°26	23°16	6°53	22°19	15°22	16° 2	29°10	15°53	14°58	17°12	n.a.	W17
T 18	17 29 18	21°44'30	2♍52	8°49	25°40	23°54	7° 2	22°15	15°25	16° 4	29° 8	15°49	14°55	17°19	n.a.	T 18
F 19	17 33 14	22°41'42	17° 3	10°34	26°54	24°31	7°10	22°10	15°27	16° 6	29° 7	15°D48	14°52	17°26	n.a.	F 19
S 20	17 37 11	23°38'54	1♎11	12°18	28° 7	25° 8	7°17	22° 6	15°30	16° 8	29° 5	15°48	14°49	17°32	n.a.	S 20
S 21	17 41 7	24°36'07	15°15	13°59	29°21	25°46	7°25	22° 2	15°33	16°10	29° 4	15°R48	14°46	17°39	n.a.	S 21
M22	17 45 4	25°33'20	29°13	15°39	0♋35	26°23	7°33	21°57	15°35	16°12	29° 3	15°47	14°42	17°46	n.a.	M22
T 23	17 49 1	26°30'33	13♏ 6	17°17	1°49	27° 1	7°40	21°53	15°38	16°15	29° 1	15°45	14°39	17°52	n.a.	T 23
W24	17 52 57	27°27'47	26°50	18°53	3° 3	27°38	7°47	21°48	15°41	16°17	29° 0	15°40	14°36	17°59	n.a.	W24
T 25	17 56 54	28°25'02	10♐25	20°27	4°17	28°16	7°55	21°44	15°44	16°19	28°59	15°32	14°33	18° 6	n.a.	T 25
F 26	18 0 50	29°22'17	23°47	21°59	5°31	28°53	8° 2	21°40	15°47	16°21	28°57	15°22	14°30	18°12	n.a.	F 26
S 27	18 4 47	0♋19'33	6♑56	23°30	6°45	29°31	8° 8	21°35	15°50	16°23	28°56	15°10	14°26	18°19	n.a.	S 27
S 28	18 8 43	1°16'50	19°48	24°59	7°59	0♌ 8	8°15	21°31	15°52	16°25	28°55	14°58	14°23	18°26	n.a.	S 28
M29	18 12 40	2°14'08	2♒25	26°25	9°13	0°46	8°22	21°27	15°55	16°27	28°54	14°46	14°20	18°32	n.a.	M29
T 30	18 16 36	3♋11'28	14♒46	27♋50	10♋27	1♌24	8♈28	21♐22	15♌58	16♋30	28♏52	14♎37	14♎17	18♓39	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n29	16s30	5n 6	22n21	1n 3	21n30	0n10	24n21	1n19	0n35	1s19	22s57	0n37	17n17	0n44	22n47	0s 1	13s57	6n30	6s46	6s18	3s24		n.a.
T 2	21 39	14 8	4 50	22 53	1 11	21 45	0 12	24 17	1 19	0 39	1 19	22 56	0 37	17 17	0 44	22 47	0 1	13 57	6 30	6 44	6 16	3 23		n.a.
W 3	21 49	11 11	4 22	23 21	1 18	22 0	0 15	24 13	1 19	0 43	1 19	22 56	0 37	17 16	0 44	22 47	0 1	13 56	6 29	6 42	6 15	3 21		n.a.
T 4	21 58	7 50	3 42	23 47	1 25	22 15	0 17	24 8	1 19	0 46	1 19	22 56	0 37	17 16	0 44	22 46	0 1	13 56	6 29	6 42	6 14	3 19		n.a.
F 5	22 7	4 11	2 53	24 10	1 31	22 29	0 19	24 4	1 18	0 50	1 19	22 56	0 37	17 15	0 44	22 46	0 1	13 56	6 29	6 41	6 13	3 17		n.a.
S 6	22 15	0 24	1 57	24 31	1 36	22 42	0 21	23 59	1 18	0 54	1 20	22 56	0 36	17 14	0 44	22 46	0 1	13 56	6 29	6 42	6 12	3 15		n.a.
S 7	22 23	3n27	0 56	24 48	1 41	22 54	0 24	23 54	1 18	0 57	1 20	22 56	0 36	17 14	0 44	22 46	0 1	13 56	6 29	6 42	6 10	3 13		n.a.
M 8	22 31	7 11	0s 9	25 3	1 45	23 6	0 26	23 49	1 18	1 1	1 20	22 56	0 36	17 13	0 44	22 45	0 1	13 55	6 29	6 42	6 9	3 11		n.a.
T 9	22 39	10 42	1 14	25 15	1 48	23 17	0 28	23 44	1 18	1 5	1 20	22 55	0 36	17 12	0 44	22 45	0 1	13 55	6 29	6 42	6 8	3 9		n.a.
W10	22 46	13 49	2 16	25 25	1 51	23 28	0 31	23 38	1 17	1 8	1 20	22 55	0 36	17 12	0 44	22 45	0 1	13 55	6 28	6 41	6 7	3 7		n.a.
T 11	22 52	16 21	3 14	25 31	1 53	23 37	0 33	23 33	1 17	1 12	1 21	22 55	0 36	17 11	0 44	22 45	0 1	13 55	6 28	6 39	6 5	3 6		n.a.
F 12	22 59	18 6	4 2	25 36	1 54	23 46	0 35	23 27	1 17	1 15	1 21	22 55	0 36	17 10	0 44	22 45	0 1	13 55	6 28	6 36	6 4	3 4		n.a.
S 13	23 4	18 53	4 39	25 37	1 54	23 55	0 37	23 21	1 17	1 18	1 21	22 55	0 36	17 9	0 44	22 44	0 1	13 55	6 28	6 32	6 3	3 2		n.a.
S 14	23 10	18 35	4 59	25 37	1 54	24 3	0 39	23 15	1 16	1 22	1 21	22 55	0 36	17 9	0 44	22 44	0 1	13 55	6 28	6 28	6 2	3 0		n.a.
M15	23 15	17 10	5 3	25 34	1 53	24 10	0 41	23 9	1 16	1 25	1 21	22 54	0 36	17 8	0 44	22 44	0 1	13 54	6 28	6 25	6 0	2 58		n.a.
T 16	23 19	14 42	4 48	25 29	1 52	24 16	0 43	23 2	1 16	1 28	1 22	22 54	0 36	17 7	0 43	22 44	0 1	13 54	6 27	6 21	5 59	2 56		n.a.
W17	23 24	11 21	4 16	25 22	1 50	24 21	0 45	22 56	1 16	1 31	1 22	22 54	0 36	17 6	0 43	22 43	0 1	13 54	6 27	6 19	5 58	2 54		n.a.
T 18	23 27	7 21	3 28	25 12	1 47	24 26	0 47	22 49	1 15	1 34	1 22	22 54	0 36	17 6	0 43	22 43	0 1	13 54	6 27	6 18	5 57	2 52		n.a.
F 19	23 31	2 55	2 27	25 1	1 44	24 30	0 49	22 42	1 15	1 37	1 22	22 54	0 35	17 5	0 43	22 43	0 1	13 54	6 27	6 17	5 55	2 50		n.a.
S 20	23 34	1s39	1 17	24 49	1 41	24 34	0 51	22 35	1 15	1 40	1 22	22 54	0 35	17 4	0 43	22 43	0 1	13 54	6 27	6 17	5 54	2 48		n.a.
S 21	23 36	6 7	0 3	24 34	1 36	24 36	0 53	22 28	1 14	1 43	1 23	22 53	0 35	17 3	0 43	22 43	0 1	13 54	6 26	6 17	5 53	2 47		n.a.
M22	23 39	10 13	1n11	24 19	1 32	24 38	0 55	22 20	1 14	1 46	1 23	22 53	0 35	17 2	0 43	22 42	0 1	13 54	6 26	6 17	5 52	2 45		n.a.
T 23	23 40	13 44	2 20	24 1	1 27	24 39	0 57	22 13	1 14	1 48	1 23	22 53	0 35	17 1	0 43	22 42	0 1	13 54	6 26	6 16	5 50	2 43		n.a.
W24	23 42	16 26	3 20	23 43	1 21	24 40	0 59	22 5	1 14	1 51	1 23	22 53	0 35	17 1	0 43	22 42	0 1	13 53	6 26	6 14	5 49	2 41		n.a.
T 25	23 43	18 11	4 7	23 23	1 15	24 39	1 0	21 57	1 13	1 54	1 24	22 53	0 35	17 0	0 43	22 42	0 1	13 53	6 26	6 11	5 48	2 39		n.a.
F 26	23 43	18 54	4 41	23 2	1 9	24 38	1 2	21 49	1 13	1 56	1 24	22 52	0 35	16 59	0 43	22 41	0 1	13 53	6 25	6 7	5 47	2 37		n.a.
S 27	23 43	18 34	4 58	22 40	1 2	24 36	1 4	21 41	1 13	1 59	1 24	22 52	0 35	16 58	0 43	22 41	0 1	13 53	6 25	6 2	5 45	2 35		n.a.
S 28	23 43	17 17	5 0	22 17	0 55	24 34	1 5	21 32	1 13	2 1	1 24	22 52	0 35	16 57	0 43	22 41	0 1	13 53	6 25	5 58	5 44	2 33		n.a.
M29	23 42	15 11	4 47	21 53	0 47	24 30	1 7	21 24	1 12	2 4	1 25	22 52	0 34	16 56	0 43	22 41	0 1	13 53	6 25	5 53	5 43	2 31		n.a.
T 30	23n41	12s26	4n21	21n29	0n39	24n26	1n 8	21n15	1n12	2n 6	1s25	22s52	0n34	16n55	0n43	22n40	0s 1	13s53	6n25	5s49	5s42	2s30		n.a.

Julian Day Number = 1641219.5, Delta T = 03h36m17s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°06'03, Lahiri = - 6°59'03 Julian Calendar 1 June 220 BCE == Greg. Calendar 28 May 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

JULY 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 20 33	4♋ 8'48	26♒53	29♋13	11♋41	2♌ 1	8♈34	21°R18	16♌ 1	16♋32	28°R51	14°R29	14♎14	18♓46	n.a.	W 1
T 2	18 24 30	5° 6'09	8♓49	0♌34	12°55	2°39	8°40	21♐14	16° 4	16°34	28♏50	14♎24	14°11	18°52	n.a.	T 2
F 3	18 28 26	6° 3'32	20°40	1°53	14° 9	3°17	8°46	21°10	16° 8	16°36	28°49	14°22	14° 7	18°59	n.a.	F 3
S 4	18 32 23	7° 0'56	2♈28	3°10	15°23	3°55	8°52	21° 5	16°11	16°38	28°48	14°21	14° 4	19° 6	n.a.	S 4
S 5	18 36 19	7°58'21	14°21	4°25	16°37	4°33	8°57	21° 1	16°14	16°41	28°47	14°21	14° 1	19°12	n.a.	S 5
M 6	18 40 16	8°55'48	26°23	5°38	17°51	5°10	9° 3	20°57	16°17	16°43	28°45	14°21	13°58	19°19	n.a.	M 6
T 7	18 44 12	9°53'16	8♉39	6°48	19° 5	5°48	9° 8	20°53	16°20	16°45	28°44	14°19	13°55	19°26	n.a.	T 7
W 8	18 48 9	10°50'45	21°15	7°56	20°19	6°26	9°13	20°49	16°23	16°47	28°43	14°15	13°52	19°32	n.a.	W 8
T 9	18 52 5	11°48'16	4♊13	9° 2	21°33	7° 4	9°18	20°45	16°27	16°49	28°42	14° 9	13°48	19°39	n.a.	T 9
F 10	18 56 2	12°45'49	17°35	10° 5	22°47	7°42	9°23	20°41	16°30	16°52	28°41	14° 0	13°45	19°45	n.a.	F 10
S 11	18 59 59	13°43'23	1♋22	11° 6	24° 1	8°20	9°27	20°37	16°33	16°54	28°40	13°49	13°42	19°52	n.a.	S 11
S 12	19 3 55	14°40'58	15°29	12° 4	25°15	8°59	9°32	20°33	16°37	16°56	28°39	13°37	13°39	19°59	n.a.	S 12
M13	19 7 52	15°38'34	29°52	12°59	26°29	9°37	9°36	20°30	16°40	16°58	28°38	13°26	13°36	20° 5	n.a.	M13
T 14	19 11 48	16°36'12	14♌24	13°51	27°44	10°15	9°40	20°26	16°43	17° 1	28°38	13°16	13°32	20°12	n.a.	T 14
W15	19 15 45	17°33'51	29° 0	14°39	28°58	10°53	9°44	20°22	16°47	17° 3	28°37	13° 9	13°29	20°19	n.a.	W15
T 16	19 19 41	18°31'31	13♍31	15°25	0♌12	11°31	9°48	20°18	16°50	17° 5	28°36	13° 4	13°26	20°25	n.a.	T 16
F 17	19 23 38	19°29'12	27°54	16° 7	1°26	12°10	9°51	20°15	16°54	17° 7	28°35	13° 2	13°23	20°32	n.a.	F 17
S 18	19 27 35	20°26'55	12♎ 6	16°45	2°40	12°48	9°54	20°11	16°57	17° 9	28°34	13° 1	13°20	20°39	n.a.	S 18
S 19	19 31 31	21°24'38	26° 6	17°19	3°54	13°26	9°57	20° 8	17° 0	17°12	28°33	13° 1	13°17	20°45	n.a.	S 19
M20	19 35 28	22°22'23	9♏53	17°49	5° 8	14° 5	10° 0	20° 4	17° 4	17°14	28°33	13° 0	13°13	20°52	n.a.	M20
T 21	19 39 24	23°20'09	23°28	18°15	6°22	14°43	10° 3	20° 1	17° 8	17°16	28°32	12°58	13°10	20°59	n.a.	T 21
W22	19 43 21	24°17'56	6♐52	18°36	7°37	15°21	10° 6	19°58	17°11	17°18	28°31	12°52	13° 7	21° 5	n.a.	W22
T 23	19 47 17	25°15'45	20° 4	18°52	8°51	16° 0	10° 8	19°55	17°15	17°21	28°30	12°44	13° 4	21°12	n.a.	T 23
F 24	19 51 14	26°13'35	3♑ 4	19° 3	10° 5	16°38	10°10	19°52	17°18	17°23	28°30	12°34	13° 1	21°19	n.a.	F 24
S 25	19 55 10	27°11'27	15°53	19° 9	11°19	17°17	10°12	19°48	17°22	17°25	28°29	12°21	12°57	21°25	n.a.	S 25
S 26	19 59 7	28° 9'20	28°29	19°R 9	12°33	17°55	10°14	19°45	17°25	17°27	28°29	12° 9	12°54	21°32	n.a.	S 26
M27	20 3 4	29° 7'15	10♒52	19° 3	13°47	18°34	10°15	19°43	17°29	17°29	28°28	11°57	12°51	21°39	n.a.	M27
T 28	20 7 0	0♌ 5'12	23° 4	18°51	15° 2	19°13	10°17	19°40	17°33	17°32	28°27	11°47	12°48	21°45	n.a.	T 28
W29	20 10 57	1° 3'10	5♓ 5	18°34	16°16	19°51	10°18	19°37	17°36	17°34	28°27	11°39	12°45	21°52	n.a.	W29
T 30	20 14 53	2° 1'10	16°58	18°10	17°30	20°30	10°19	19°34	17°40	17°36	28°26	11°33	12°42	21°59	n.a.	T 30
F 31	20 18 50	2♌59'12	28♓46	17♌40	18♌44	21♌ 9	10♈20	19♐32	17♌44	17♋38	28♏26	11♎31	12♎38	22♓ 5	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23n39	9s12	3n44	21n 3	0n31	24n22	1n10	21n 6	1n12	2n 8	1s25	22s52	0n34	16n54	0n43	22n40	0s 1	13s53	6n24	5s47	5s40	2s28			n.a.
T 2	23 37	5 38	2 57	20 38	0 22	24 16	1 11	20 57	1 11	2 10	1 25	22 51	0 34	16 53	0 43	22 40	0 1	13 53	6 24	5 45	5 39	2 26			n.a.
F 3	23 35	1 52	2 2	20 11	0 13	24 10	1 13	20 48	1 11	2 13	1 25	22 51	0 34	16 52	0 43	22 39	0 1	13 53	6 24	5 44	5 38	2 24			n.a.
S 4	23 32	1n57	1 3	19 45	0 4	24 3	1 14	20 39	1 11	2 15	1 26	22 51	0 34	16 51	0 43	22 39	0 1	13 53	6 24	5 43	5 37	2 22			n.a.
S 5	23 29	5 43	0 0	19 18	0s 5	23 55	1 15	20 29	1 10	2 17	1 26	22 51	0 34	16 50	0 43	22 39	0 1	13 53	6 23	5 43	5 35	2 20			n.a.
M 6	23 25	9 19	1s 3	18 50	0 15	23 47	1 16	20 20	1 10	2 19	1 26	22 51	0 34	16 49	0 43	22 39	0 1	13 53	6 23	5 43	5 34	2 18			n.a.
T 7	23 21	12 35	2 5	18 23	0 25	23 37	1 18	20 10	1 10	2 20	1 26	22 51	0 34	16 48	0 43	22 38	0 1	13 53	6 23	5 43	5 33	2 16			n.a.
W 8	23 16	15 21	3 2	17 56	0 36	23 27	1 19	20 0	1 10	2 22	1 27	22 50	0 34	16 47	0 43	22 38	0 1	13 53	6 23	5 41	5 32	2 14			n.a.
T 9	23 11	17 27	3 52	17 28	0 46	23 17	1 20	19 50	1 9	2 24	1 27	22 50	0 33	16 46	0 43	22 38	0 1	13 53	6 22	5 39	5 30	2 12			n.a.
F 10	23 6	18 39	4 30	17 1	0 57	23 6	1 21	19 40	1 9	2 26	1 27	22 50	0 33	16 45	0 43	22 38	0 1	13 53	6 22	5 35	5 29	2 11			n.a.
S 11	23 0	18 49	4 54	16 34	1 7	22 54	1 22	19 30	1 9	2 27	1 27	22 50	0 33	16 44	0 43	22 37	0 1	13 53	6 22	5 31	5 28	2 9			n.a.
S 12	22 54	17 50	5 1	16 7	1 18	22 41	1 22	19 19	1 8	2 29	1 28	22 50	0 33	16 43	0 43	22 37	0 1	13 53	6 22	5 26	5 27	2 7			n.a.
M13	22 47	15 43	4 49	15 41	1 30	22 28	1 23	19 9	1 8	2 30	1 28	22 50	0 33	16 42	0 43	22 37	0 1	13 53	6 21	5 22	5 26	2 5			n.a.
T 14	22 40	12 35	4 18	15 15	1 41	22 14	1 24	18 58	1 8	2 31	1 28	22 49	0 33	16 41	0 43	22 37	0 1	13 53	6 21	5 18	5 24	2 3			n.a.
W15	22 33	8 40	3 30	14 50	1 52	21 59	1 25	18 47	1 7	2 33	1 29	22 49	0 33	16 40	0 43	22 36	0 1	13 53	6 21	5 15	5 23	2 1			n.a.
T 16	22 25	4 16	2 29	14 26	2 3	21 44	1 25	18 36	1 7	2 34	1 29	22 49	0 33	16 39	0 43	22 36	0 1	13 53	6 21	5 13	5 22	1 59			n.a.
F 17	22 17	0s22	1 19	14 3	2 15	21 28	1 26	18 25	1 7	2 35	1 29	22 49	0 33	16 38	0 43	22 36	0 1	13 53	6 20	5 12	5 21	1 57			n.a.
S 18	22 9	4 55	0 5	13 41	2 26	21 11	1 26	18 14	1 6	2 36	1 29	22 49	0 32	16 37	0 43	22 35	0 1	13 54	6 20	5 12	5 19	1 55			n.a.
S 19	22 0	9 8	1n 9	13 19	2 38	20 54	1 27	18 2	1 6	2 37	1 30	22 49	0 32	16 36	0 43	22 35	0 1	13 54	6 20	5 12	5 18	1 54			n.a.
M20	21 50	12 47	2 17	13 0	2 49	20 37	1 27	17 51	1 6	2 38	1 30	22 48	0 32	16 35	0 43	22 35	0 1	13 54	6 20	5 12	5 17	1 52			n.a.
T 21	21 41	15 41	3 17	12 41	3 0	20 18	1 27	17 39	1 5	2 39	1 30	22 48	0 32	16 34	0 43	22 35	0 1	13 54	6 19	5 11	5 16	1 50			n.a.
W22	21 30	17 41	4 5	12 25	3 10	19 59	1 27	17 27	1 5	2 40	1 30	22 48	0 32	16 33	0 43	22 34	0 1	13 54	6 19	5 8	5 14	1 48			n.a.
T 23	21 20	18 43	4 38	12 10	3 21	19 40	1 28	17 15	1 5	2 40	1 31	22 48	0 32	16 32	0 43	22 34	0 1	13 54	6 19	5 5	5 13	1 46			n.a.
F 24	21 9	18 44	4 57	11 57	3 31	19 20	1 28	17 3	1 4	2 41	1 31	22 48	0 32	16 30	0 43	22 34	0 1	13 54	6 19	5 1	5 12	1 44			n.a.
S 25	20 58	17 47	5 1	11 46	3 41	18 59	1 28	16 51	1 4	2 41	1 31	22 48	0 32	16 29	0 43	22 34	0 1	13 54	6 18	4 56	5 11	1 42			n.a.
S 26	20 46	15 59	4 49	11 37	3 50	18 38	1 28	16 39	1 4	2 42	1 31	22 48	0 31	16 28	0 43	22 33	0 1	13 54	6 18	4 51	5 9	1 40			n.a.
M27	20 34	13 28	4 24	11 31	3 58	18 17	1 27	16 26	1 3	2 42	1 32	22 48	0 31	16 27	0 43	22 33	0 1	13 55	6 18	4 47	5 8	1 38			n.a.
T 28	20 22	10 24	3 48	11 28	4 5	17 54	1 27	16 14	1 3	2 43	1 32	22 48	0 31	16 26	0 43	22 33	0 1	13 55	6 17	4 43	5 7	1 36			n.a.
W29	20 9	6 57	3 1	11 27	4 12	17 32	1 27	16 1	1 3	2 43	1 32	22 47	0 31	16 25	0 43	22 32	0 1	13 55	6 17	4 39	5 6	1 35			n.a.
T 30	19 56	3 16	2 7	11 29	4 17	17 9	1 27	15 48	1 2	2 43	1 32	22 47	0 31	16 24	0 43	22 32	0 1	13 55	6 17	4 37	5 4	1 33			n.a.
F 31	19n43	0n32	1n 7	11n34	4s21	16n45	1n26	15n36	1n 2	2n43	1s33	22s47	0n31	16n23	0n43	22n32	0s 1	13s55	6n17	4s36	5s 3	1s31			n.a.

Julian Day Number = 1641249.5, Delta T = 03h36m16s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'59, Lahiri = - 6°58'58 Julian Calendar 1 July 220 BCE == Greg. Calendar 27 June 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

AUGUST 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 22 46	3♌57'16	10♈33	17°R 4	19♌58	21♌48	10♈20	19°R29	17♌47	17♋40	28°R26	11°D30	12♎35	22♓12	n.a.	S 1
S 2	20 26 43	4°55'23	22°25	16♌23	21°12	22°27	10°21	19♐27	17°51	17°42	28♏25	11♎30	12°32	22°19	n.a.	S 2
M 3	20 30 39	5°53'31	4♉25	15°37	22°26	23° 5	10°R21	19°24	17°55	17°45	28°25	11°R31	12°29	22°25	n.a.	M 3
T 4	20 34 36	6°51'41	16°40	14°46	23°41	23°44	10°21	19°22	17°58	17°47	28°25	11°30	12°26	22°32	n.a.	T 4
W 5	20 38 32	7°49'54	29°15	13°52	24°55	24°23	10°21	19°20	18° 2	17°49	28°24	11°28	12°23	22°39	n.a.	W 5
T 6	20 42 29	8°48'09	12♊14	12°54	26° 9	25° 2	10°20	19°18	18° 6	17°51	28°24	11°24	12°19	22°45	n.a.	T 6
F 7	20 46 26	9°46'25	25°40	11°56	27°23	25°41	10°20	19°16	18°10	17°53	28°24	11°17	12°16	22°52	n.a.	F 7
S 8	20 50 22	10°44'44	9♋34	10°56	28°37	26°20	10°19	19°14	18°13	17°55	28°24	11° 9	12°13	22°59	n.a.	S 8
S 9	20 54 19	11°43'06	23°54	9°58	29°52	27° 0	10°18	19°12	18°17	17°57	28°23	10°59	12°10	23° 5	n.a.	S 9
M10	20 58 15	12°41'29	8♌34	9° 2	1♍ 6	27°39	10°17	19°10	18°21	17°59	28°23	10°50	12° 7	23°12	n.a.	M10
T 11	21 2 12	13°39'54	23°28	8° 9	2°20	28°18	10°15	19° 8	18°25	18° 1	28°23	10°42	12° 3	23°18	n.a.	T 11
W12	21 6 8	14°38'21	8♍26	7°21	3°34	28°57	10°14	19° 7	18°28	18° 3	28°23	10°36	12° 0	23°25	n.a.	W12
T 13	21 10 5	15°36'49	23°20	6°39	4°48	29°37	10°12	19° 5	18°32	18° 5	28°23	10°33	11°57	23°32	n.a.	T 13
F 14	21 14 1	16°35'20	8♎ 2	6° 5	6° 2	0♍16	10°10	19° 4	18°36	18° 7	28°D23	10°D32	11°54	23°38	n.a.	F 14
S 15	21 17 58	17°33'52	22°28	5°38	7°17	0°55	10° 8	19° 3	18°40	18° 9	28°23	10°32	11°51	23°45	n.a.	S 15
S 16	21 21 55	18°32'26	6♏35	5°20	8°31	1°35	10° 5	19° 1	18°44	18°11	28°23	10°33	11°48	23°52	n.a.	S 16
M17	21 25 51	19°31'02	20°22	5°D11	9°45	2°14	10° 3	19° 0	18°47	18°13	28°23	10°R34	11°44	23°58	n.a.	M17
T 18	21 29 48	20°29'39	3♐51	5°11	10°59	2°54	10° 0	18°59	18°51	18°15	28°23	10°33	11°41	24° 5	n.a.	T 18
W19	21 33 44	21°28'18	17° 2	5°22	12°13	3°33	9°57	18°58	18°55	18°17	28°23	10°30	11°38	24°12	n.a.	W19
T 20	21 37 41	22°27'00	29°59	5°41	13°27	4°13	9°54	18°58	18°59	18°19	28°23	10°25	11°35	24°18	n.a.	T 20
F 21	21 41 37	23°25'43	12♑41	6°10	14°41	4°52	9°50	18°57	19° 2	18°21	28°24	10°18	11°32	24°25	n.a.	F 21
S 22	21 45 34	24°24'27	25°12	6°48	15°56	5°32	9°47	18°56	19° 6	18°23	28°24	10°10	11°29	24°32	n.a.	S 22
S 23	21 49 30	25°23'14	7♒31	7°35	17°10	6°12	9°43	18°56	19°10	18°25	28°24	10° 1	11°25	24°38	n.a.	S 23
M24	21 53 27	26°22'03	19°41	8°29	18°24	6°51	9°39	18°55	19°14	18°27	28°24	9°53	11°22	24°45	n.a.	M24
T 25	21 57 24	27°20'54	1♓43	9°32	19°38	7°31	9°35	18°55	19°18	18°29	28°25	9°47	11°19	24°52	n.a.	T 25
W26	22 1 20	28°19'47	13°37	10°41	20°52	8°11	9°31	18°55	19°21	18°30	28°25	9°42	11°16	24°58	n.a.	W26
T 27	22 5 17	29°18'42	25°27	11°56	22° 6	8°51	9°26	18°55	19°25	18°32	28°26	9°38	11°13	25° 5	n.a.	T 27
F 28	22 9 13	0♍17'39	7♈13	13°17	23°20	9°31	9°22	18°D55	19°29	18°34	28°26	9°D37	11° 9	25°12	n.a.	F 28
S 29	22 13 10	1°16'39	19° 1	14°42	24°34	10°10	9°17	18°55	19°32	18°36	28°26	9°38	11° 6	25°18	n.a.	S 29
S 30	22 17 6	2°15'41	0♉52	16°12	25°48	10°50	9°12	18°55	19°36	18°37	28°27	9°39	11° 3	25°25	n.a.	S 30
M31	22 21 3	3♍14'45	12♉52	17♌46	27♍ 2	11♍30	9♈ 7	18♐55	19♌40	18♋39	28♏27	9♎41	11♎ 0	25♓32	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n29	4n18	0n 5	11n43	4s24	16n21	1n26	15n23	1n 2	2n43	1s33	22s47	0n31	16n21	0n43	22n32	0s 1	13s56	6n16	4s36	5s 2	1s29		n.a.
S 2	19 15	7 56	0s58	11 54	4 25	15 57	1 25	15 9	1 1	2 43	1 33	22 47	0 31	16 20	0 43	22 31	0 1	13 56	6 16	4 36	5 1	1 27		n.a.
M 3	19 1	11 16	1 59	12 8	4 24	15 32	1 25	14 56	1 1	2 43	1 33	22 47	0 30	16 19	0 43	22 31	0 1	13 56	6 16	4 36	4 59	1 25		n.a.
T 4	18 46	14 12	2 56	12 25	4 22	15 6	1 24	14 43	1 1	2 43	1 34	22 47	0 30	16 18	0 43	22 31	0 1	13 56	6 15	4 36	4 58	1 23		n.a.
W 5	18 31	16 32	3 47	12 45	4 18	14 40	1 23	14 29	1 0	2 42	1 34	22 47	0 30	16 17	0 43	22 31	0 1	13 56	6 15	4 35	4 57	1 21		n.a.
T 6	18 16	18 7	4 27	13 7	4 11	14 14	1 22	14 16	1 0	2 42	1 34	22 47	0 30	16 16	0 43	22 30	0 1	13 57	6 15	4 33	4 55	1 19		n.a.
F 7	18 1	18 45	4 54	13 31	4 3	13 48	1 22	14 2	0 59	2 41	1 35	22 47	0 30	16 14	0 43	22 30	0 1	13 57	6 14	4 31	4 54	1 18		n.a.
S 8	17 45	18 18	5 5	13 57	3 53	13 21	1 21	13 48	0 59	2 41	1 35	22 47	0 30	16 13	0 43	22 30	0 1	13 57	6 14	4 28	4 53	1 16		n.a.
S 9	17 28	16 42	4 57	14 25	3 41	12 54	1 20	13 34	0 59	2 40	1 35	22 47	0 30	16 12	0 43	22 29	0 1	13 57	6 14	4 24	4 52	1 14		n.a.
M10	17 12	13 59	4 30	14 53	3 27	12 26	1 19	13 20	0 58	2 40	1 35	22 47	0 30	16 11	0 43	22 29	0 1	13 58	6 14	4 20	4 50	1 12		n.a.
T 11	16 55	10 19	3 45	15 21	3 12	11 58	1 18	13 6	0 58	2 39	1 36	22 47	0 29	16 10	0 43	22 29	0 0	13 58	6 13	4 17	4 49	1 10		n.a.
W12	16 38	5 59	2 44	15 50	2 55	11 30	1 16	12 52	0 58	2 38	1 36	22 47	0 29	16 8	0 43	22 29	0 0	13 58	6 13	4 15	4 48	1 8		n.a.
T 13	16 21	1 17	1 31	16 17	2 37	11 1	1 15	12 38	0 57	2 37	1 36	22 47	0 29	16 7	0 43	22 28	0 0	13 58	6 13	4 13	4 47	1 6		n.a.
F 14	16 3	3s26	0 13	16 44	2 19	10 33	1 14	12 24	0 57	2 36	1 36	22 47	0 29	16 6	0 43	22 28	0 0	13 59	6 12	4 13	4 45	1 4		n.a.
S 15	15 45	7 51	1n 4	17 9	2 0	10 3	1 12	12 9	0 56	2 35	1 36	22 47	0 29	16 5	0 43	22 28	0 0	13 59	6 12	4 13	4 44	1 2		n.a.
S 16	15 27	11 44	2 16	17 32	1 41	9 34	1 11	11 54	0 56	2 34	1 37	22 47	0 29	16 4	0 43	22 28	0 0	13 59	6 12	4 13	4 43	1 1		n.a.
M17	15 8	14 52	3 18	17 52	1 22	9 4	1 9	11 40	0 56	2 32	1 37	22 47	0 29	16 3	0 43	22 27	0 0	14 0	6 12	4 14	4 42	0 59		n.a.
T 18	14 50	17 7	4 8	18 11	1 3	8 35	1 8	11 25	0 55	2 31	1 37	22 47	0 29	16 1	0 43	22 27	0 0	14 0	6 11	4 13	4 40	0 57		n.a.
W19	14 31	18 23	4 43	18 26	0 44	8 4	1 6	11 10	0 55	2 30	1 37	22 47	0 28	16 0	0 43	22 27	0 0	14 0	6 11	4 12	4 39	0 55		n.a.
T 20	14 11	18 40	5 3	18 38	0 27	7 34	1 5	10 55	0 54	2 28	1 38	22 47	0 28	15 59	0 43	22 27	0 0	14 1	6 11	4 10	4 38	0 53		n.a.
F 21	13 52	18 0	5 8	18 48	0 10	7 4	1 3	10 40	0 54	2 27	1 38	22 47	0 28	15 58	0 43	22 26	0 0	14 1	6 10	4 7	4 37	0 51		n.a.
S 22	13 32	16 28	4 58	18 53	0n 6	6 33	1 1	10 25	0 54	2 25	1 38	22 47	0 28	15 57	0 43	22 26	0 0	14 1	6 10	4 4	4 35	0 49		n.a.
S 23	13 13	14 12	4 34	18 56	0 21	6 2	0 59	10 10	0 53	2 23	1 38	22 47	0 28	15 55	0 43	22 26	0 0	14 2	6 10	4 1	4 34	0 47		n.a.
M24	12 52	11 19	3 58	18 55	0 35	5 31	0 57	9 55	0 53	2 22	1 38	22 47	0 28	15 54	0 43	22 26	0 0	14 2	6 9	3 58	4 33	0 45		n.a.
T 25	12 32	8 1	3 11	18 51	0 48	5 0	0 55	9 39	0 52	2 20	1 39	22 47	0 28	15 53	0 43	22 25	0 0	14 2	6 9	3 55	4 32	0 44		n.a.
W26	12 12	4 25	2 17	18 43	1 0	4 29	0 53	9 24	0 52	2 18	1 39	22 48	0 28	15 52	0 43	22 25	0 0	14 3	6 9	3 53	4 30	0 42		n.a.
T 27	11 51	0 40	1 16	18 32	1 10	3 57	0 51	9 8	0 52	2 16	1 39	22 48	0 27	15 51	0 43	22 25	0 0	14 3	6 9	3 52	4 29	0 40		n.a.
F 28	11 30	3n 6	0 13	18 17	1 19	3 26	0 49	8 53	0 51	2 14	1 39	22 48	0 27	15 50	0 43	22 25	0 0	14 3	6 8	3 51	4 28	0 38		n.a.
S 29	11 9	6 45	0s51	18 0	1 27	2 54	0 47	8 37	0 51	2 12	1 39	22 48	0 27	15 48	0 43	22 24	0 0	14 4	6 8	3 51	4 27	0 36		n.a.
S 30	10 47	10 8	1 54	17 39	1 34	2 22	0 45	8 22	0 50	2 10	1 40	22 48	0 27	15 47	0 43	22 24	0 0	14 4	6 8	3 52	4 25	0 34		n.a.
M31	10n26	13n 9	2s52	17n16	1n40	1n50	0n42	8n 6	0n50	2n 8	1s40	22s48	0n27	15n46	0n43	22n24	0s 0	14s 5	6n 7	3s53	4s24	0s32		n.a.

Julian Day Number = 1641280.5, Delta T = 03h36m15s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'55, Lahiri = - 6°58'54 Julian Calendar 1 Aug. 220 BCE == Greg. Calendar 28 July 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

SEPTEMBER 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 24 59	4♍13'52	25♉ 6	19♌22	28♍16	12♍11	9°R 1	18♐55	19♌44	18♋41	28♏28	9♎42	10♎57	25♓38	n.a.	T 1
W 2	22 28 56	5°13'01	7♊38	21° 1	29°30	12°51	8♈56	18°56	19°47	18°42	28°29	9°R42	10°54	25°45	n.a.	W 2
T 3	22 32 52	6°12'13	20°33	22°42	0♎44	13°31	8°50	18°56	19°51	18°44	28°29	9°42	10°50	25°51	n.a.	T 3
F 4	22 36 49	7°11'27	3♋54	24°25	1°58	14°11	8°44	18°57	19°55	18°46	28°30	9°39	10°47	25°58	n.a.	F 4
S 5	22 40 46	8°10'44	17°43	26° 9	3°12	14°51	8°38	18°58	19°58	18°47	28°31	9°35	10°44	26° 5	n.a.	S 5
S 6	22 44 42	9°10'03	2♌ 1	27°54	4°26	15°32	8°32	18°59	20° 2	18°49	28°31	9°31	10°41	26°11	n.a.	S 6
M 7	22 48 39	10° 9'24	16°43	29°39	5°40	16°12	8°26	19° 0	20° 5	18°50	28°32	9°27	10°38	26°18	n.a.	M 7
T 8	22 52 35	11° 8'48	1♍44	1♍25	6°54	16°52	8°20	19° 1	20° 9	18°52	28°33	9°23	10°35	26°25	n.a.	T 8
W 9	22 56 32	12° 8'14	16°55	3°11	8° 8	17°33	8°13	19° 2	20°13	18°54	28°34	9°20	10°31	26°31	n.a.	W 9
T 10	23 0 28	13° 7'41	2♎ 5	4°57	9°22	18°13	8° 7	19° 3	20°16	18°55	28°34	9°D19	10°28	26°38	n.a.	T 10
F 11	23 4 25	14° 7'11	17° 7	6°43	10°36	18°54	8° 0	19° 4	20°20	18°56	28°35	9°19	10°25	26°45	n.a.	F 11
S 12	23 8 21	15° 6'43	1♏51	8°29	11°50	19°34	7°53	19° 6	20°23	18°58	28°36	9°20	10°22	26°51	n.a.	S 12
S 13	23 12 18	16° 6'17	16°13	10°14	13° 4	20°15	7°46	19° 7	20°27	18°59	28°37	9°21	10°19	26°58	n.a.	S 13
M14	23 16 14	17° 5'53	0♐10	11°59	14°18	20°55	7°39	19° 9	20°30	19° 1	28°38	9°23	10°15	27° 5	n.a.	M14
T 15	23 20 11	18° 5'30	13°43	13°44	15°32	21°36	7°32	19°11	20°34	19° 2	28°39	9°R23	10°12	27°11	n.a.	T 15
W16	23 24 8	19° 5'09	26°53	15°27	16°46	22°17	7°24	19°13	20°37	19° 3	28°40	9°23	10° 9	27°18	n.a.	W16
T 17	23 28 4	20° 4'51	9♑43	17°11	18° 0	22°58	7°17	19°15	20°41	19° 5	28°41	9°22	10° 6	27°25	n.a.	T 17
F 18	23 32 1	21° 4'34	22°15	18°54	19°14	23°38	7° 9	19°17	20°44	19° 6	28°42	9°20	10° 3	27°31	n.a.	F 18
S 19	23 35 57	22° 4'19	4♒34	20°36	20°27	24°19	7° 2	19°19	20°47	19° 7	28°43	9°18	10° 0	27°38	n.a.	S 19
S 20	23 39 54	23° 4'05	16°41	22°17	21°41	25° 0	6°54	19°21	20°51	19° 8	28°44	9°15	9°56	27°44	n.a.	S 20
M21	23 43 50	24° 3'54	28°40	23°58	22°55	25°41	6°46	19°23	20°54	19° 9	28°45	9°13	9°53	27°51	n.a.	M21
T 22	23 47 47	25° 3'44	10♓33	25°39	24° 9	26°22	6°38	19°26	20°57	19°11	28°47	9°11	9°50	27°58	n.a.	T 22
W23	23 51 43	26° 3'37	22°23	27°19	25°23	27° 3	6°31	19°28	21° 1	19°12	28°48	9° 9	9°47	28° 4	n.a.	W23
T 24	23 55 40	27° 3'31	4♈10	28°58	26°36	27°44	6°23	19°31	21° 4	19°13	28°49	9°D 9	9°44	28°11	n.a.	T 24
F 25	23 59 37	28° 3'28	15°59	0♎36	27°50	28°25	6°15	19°34	21° 7	19°14	28°50	9° 9	9°40	28°18	n.a.	F 25
S 26	0 3 33	29° 3'27	27°50	2°15	29° 4	29° 6	6° 7	19°36	21°10	19°15	28°52	9° 9	9°37	28°24	n.a.	S 26
S 27	0 7 30	0♎ 3'28	9♉47	3°52	0♏17	29°48	5°59	19°39	21°14	19°16	28°53	9°10	9°34	28°31	n.a.	S 27
M28	0 11 26	1° 3'31	21°52	5°29	1°31	0♎29	5°50	19°42	21°17	19°17	28°54	9°11	9°31	28°38	n.a.	M28
T 29	0 15 23	2° 3'36	4♊ 9	7° 6	2°45	1°10	5°42	19°45	21°20	19°18	28°56	9°12	9°28	28°44	n.a.	T 29
W30	0 19 19	3♎ 3'43	16♊41	8♎42	3♏58	1♎52	5♈34	19♐48	21♌23	19♋19	28♏57	9♎12	9♎25	28♓51	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n 4	15n39	3s43	16n50	1n44	1n18	0n40	7n50	0n49	2n 5	1s40	22s48	0n27	15n45	0n43	22n24	0s 0	14s 5	6n 7	3s53	4s23	0s30		n.a.
W 2	9 42	17 28	4 26	16 22	1 48	0 47	0 38	7 34	0 49	2 3	1 40	22 49	0 27	15 44	0 43	22 24	0 0	14 5	6 7	3 53	4 22	0 29		n.a.
T 3	9 20	18 27	4 56	15 51	1 51	0 15	0 35	7 18	0 48	2 1	1 40	22 49	0 27	15 43	0 43	22 23	0 0	14 6	6 6	3 53	4 20	0 27		n.a.
F 4	8 58	18 28	5 12	15 18	1 53	0s17	0 33	7 2	0 48	1 58	1 40	22 49	0 26	15 41	0 43	22 23	0 0	14 6	6 6	3 52	4 19	0 25		n.a.
S 5	8 36	17 24	5 10	14 44	1 54	0 49	0 31	6 46	0 48	1 56	1 41	22 49	0 26	15 40	0 43	22 23	0 0	14 7	6 6	3 51	4 18	0 23		n.a.
S 6	8 13	15 14	4 50	14 8	1 54	1 21	0 28	6 30	0 47	1 53	1 41	22 49	0 26	15 39	0 43	22 23	0 0	14 7	6 6	3 49	4 17	0 21		n.a.
M 7	7 51	12 2	4 10	13 30	1 54	1 53	0 25	6 13	0 47	1 50	1 41	22 50	0 26	15 38	0 43	22 22	0 0	14 8	6 5	3 47	4 15	0 19		n.a.
T 8	7 28	8 0	3 12	12 51	1 53	2 25	0 23	5 57	0 46	1 48	1 41	22 50	0 26	15 37	0 43	22 22	0 0	14 8	6 5	3 46	4 14	0 17		n.a.
W 9	7 5	3 23	2 0	12 11	1 51	2 57	0 20	5 41	0 46	1 45	1 41	22 50	0 26	15 36	0 43	22 22	0 0	14 9	6 5	3 44	4 13	0 15		n.a.
T 10	6 42	1s27	0 40	11 30	1 49	3 29	0 18	5 24	0 45	1 42	1 41	22 50	0 26	15 35	0 43	22 22	0 0	14 9	6 4	3 44	4 11	0 13		n.a.
F 11	6 19	6 8	0n43	10 47	1 46	4 1	0 15	5 8	0 45	1 40	1 41	22 50	0 26	15 33	0 43	22 22	0 0	14 9	6 4	3 44	4 10	0 12		n.a.
S 12	5 56	10 22	2 1	10 5	1 43	4 33	0 12	4 51	0 44	1 37	1 41	22 51	0 25	15 32	0 43	22 21	0 0	14 10	6 4	3 44	4 9	0 10		n.a.
S 13	5 33	13 51	3 10	9 21	1 40	5 4	0 10	4 35	0 44	1 34	1 42	22 51	0 25	15 31	0 43	22 21	0 0	14 10	6 4	3 45	4 8	0 8		n.a.
M14	5 9	16 26	4 5	8 37	1 36	5 36	0 7	4 18	0 44	1 31	1 42	22 51	0 25	15 30	0 43	22 21	0 0	14 11	6 3	3 45	4 6	0 6		n.a.
T 15	4 46	18 0	4 45	7 52	1 31	6 7	0 4	4 2	0 43	1 28	1 42	22 51	0 25	15 29	0 43	22 21	0 0	14 11	6 3	3 46	4 5	0 4		n.a.
W16	4 22	18 32	5 9	7 8	1 27	6 39	0 1	3 45	0 43	1 25	1 42	22 52	0 25	15 28	0 43	22 21	0 0	14 12	6 3	3 46	4 4	0 2		n.a.
T 17	3 58	18 6	5 16	6 22	1 22	7 10	0s 2	3 28	0 42	1 22	1 42	22 52	0 25	15 27	0 43	22 21	0 0	14 12	6 2	3 45	4 3	0 0		n.a.
F 18	3 35	16 47	5 8	5 37	1 17	7 41	0 4	3 11	0 42	1 19	1 42	22 52	0 25	15 26	0 43	22 20	0 0	14 13	6 2	3 44	4 1	0n 2		n.a.
S 19	3 11	14 43	4 46	4 51	1 11	8 12	0 7	2 55	0 41	1 16	1 42	22 53	0 25	15 25	0 43	22 20	0 0	14 13	6 2	3 44	4 0	0 4		n.a.
S 20	2 47	12 1	4 11	4 6	1 6	8 42	0 10	2 38	0 41	1 13	1 42	22 53	0 24	15 24	0 43	22 20	0 0	14 14	6 2	3 42	3 59	0 5		n.a.
M21	2 23	8 51	3 26	3 20	1 0	9 13	0 13	2 21	0 40	1 10	1 42	22 53	0 24	15 23	0 43	22 20	0n 0	14 14	6 1	3 41	3 58	0 7		n.a.
T 22	1 59	5 21	2 32	2 34	0 54	9 43	0 16	2 4	0 40	1 6	1 42	22 53	0 24	15 21	0 43	22 20	0 0	14 15	6 1	3 41	3 56	0 9		n.a.
W23	1 35	1 39	1 32	1 49	0 48	10 13	0 19	1 47	0 39	1 3	1 42	22 54	0 24	15 20	0 43	22 20	0 0	14 15	6 1	3 40	3 55	0 11		n.a.
T 24	1 11	2n 6	0 28	1 3	0 42	10 43	0 22	1 30	0 39	1 0	1 42	22 54	0 24	15 19	0 43	22 20	0 0	14 16	6 0	3 40	3 54	0 13		n.a.
F 25	0 47	5 47	0s38	0 18	0 35	11 13	0 25	1 13	0 38	0 57	1 42	22 54	0 24	15 18	0 43	22 19	0 0	14 17	6 0	3 40	3 53	0 15		n.a.
S 26	0 23	9 14	1 42	0s28	0 29	11 42	0 28	0 56	0 38	0 54	1 42	22 55	0 24	15 17	0 43	22 19	0 0	14 17	6 0	3 40	3 51	0 17		n.a.
S 27	0s 1	12 21	2 42	1 13	0 22	12 11	0 31	0 39	0 37	0 50	1 42	22 55	0 24	15 16	0 43	22 19	0 0	14 18	6 0	3 40	3 50	0 19		n.a.
M28	0 26	14 58	3 36	1 58	0 16	12 40	0 34	0 22	0 37	0 47	1 42	22 55	0 23	15 15	0 43	22 19	0 0	14 18	5 59	3 41	3 49	0 20		n.a.
T 29	0 50	16 57	4 21	2 42	0 9	13 8	0 36	0 5	0 36	0 44	1 42	22 56	0 23	15 14	0 43	22 19	0 0	14 19	5 59	3 41	3 48	0 22		n.a.
W30	1s14	18n10	4s54	3s27	0n 3	13s36	0s39	0s12	0n36	0n41	1s42	22s56	0n23	15n13	0n43	22n19	0n 0	14s19	5n59	3s41	3s46	0n24		n.a.

Julian Day Number = 1641311.5, Delta T = 03h36m14s
Ecliptic obliquity = 23°43'10, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'50, Lahiri = - 6°58'50 Julian Calendar 1 Sept. 220 BCE == Greg. Calendar 28 Aug. 220 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

OCTOBER 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 23 16	4♎ 3'53	29♊33	10♎17	5♏12	2♎33	5°R26	19♐52	21♑26	19♋20	28♏59	9°R13	9♎21	28♓58	n.a.	T 1
F 2	0 27 12	5° 4'05	12♋47	11°52	6°26	3°14	5♈18	19°55	21°29	19°20	29° 0	9♎13	9°18	29° 4	n.a.	F 2
S 3	0 31 9	6° 4'19	26°25	13°27	7°39	3°56	5°10	19°58	21°32	19°21	29° 1	9°12	9°15	29°11	n.a.	S 3
S 4	0 35 5	7° 4'36	10♌30	15° 1	8°53	4°37	5° 2	20° 2	21°35	19°22	29° 3	9°12	9°12	29°18	n.a.	S 4
M 5	0 39 2	8° 4'54	24°59	16°35	10° 6	5°19	4°53	20° 5	21°38	19°23	29° 4	9°12	9° 9	29°24	n.a.	M 5
T 6	0 42 59	9° 5'14	9♍50	18° 8	11°20	6° 1	4°45	20° 9	21°41	19°23	29° 6	9°D12	9° 6	29°31	n.a.	T 6
W 7	0 46 55	10° 5'37	24°56	19°41	12°33	6°42	4°37	20°13	21°43	19°24	29° 8	9°12	9° 2	29°37	n.a.	W 7
T 8	0 50 52	11° 6'01	10♎ 8	21°14	13°47	7°24	4°29	20°17	21°46	19°25	29° 9	9°R12	8°59	29°44	n.a.	T 8
F 9	0 54 48	12° 6'27	25°16	22°46	15° 0	8° 6	4°21	20°20	21°49	19°25	29°11	9°12	8°56	29°51	n.a.	F 9
S 10	0 58 45	13° 6'55	10♏13	24°18	16°14	8°48	4°13	20°24	21°52	19°26	29°12	9°12	8°53	29°57	n.a.	S 10
S 11	1 2 41	14° 7'25	24°49	25°49	17°27	9°30	4° 5	20°29	21°54	19°26	29°14	9°11	8°50	0♈ 4	n.a.	S 11
M12	1 6 38	15° 7'56	9♐ 0	27°21	18°41	10°11	3°57	20°33	21°57	19°27	29°16	9°10	8°46	0°11	n.a.	M12
T 13	1 10 34	16° 8'28	22°43	28°51	19°54	10°53	3°49	20°37	22° 0	19°27	29°18	9°10	8°43	0°17	n.a.	T 13
W14	1 14 31	17° 9'02	6♑ 0	0♏22	21° 7	11°35	3°42	20°41	22° 2	19°28	29°19	9° 9	8°40	0°24	n.a.	W14
T 15	1 18 28	18° 9'37	18°52	1°52	22°21	12°17	3°34	20°46	22° 5	19°28	29°21	9°D 9	8°37	0°31	n.a.	T 15
F 16	1 22 24	19°10'14	1♒22	3°22	23°34	13° 0	3°26	20°50	22° 7	19°29	29°23	9° 9	8°34	0°37	n.a.	F 16
S 17	1 26 21	20°10'52	13°36	4°51	24°47	13°42	3°19	20°55	22°10	19°29	29°25	9°10	8°31	0°44	n.a.	S 17
S 18	1 30 17	21°11'31	25°37	6°20	26° 1	14°24	3°12	20°59	22°12	19°29	29°26	9°11	8°27	0°51	n.a.	S 18
M19	1 34 14	22°12'12	7♓30	7°48	27°14	15° 6	3° 4	21° 4	22°14	19°29	29°28	9°13	8°24	0°57	n.a.	M19
T 20	1 38 10	23°12'53	19°18	9°16	28°27	15°48	2°57	21° 9	22°17	19°30	29°30	9°14	8°21	1° 4	n.a.	T 20
W21	1 42 7	24°13'36	1♈ 6	10°44	29°40	16°31	2°50	21°14	22°19	19°30	29°32	9°15	8°18	1°11	n.a.	W21
T 22	1 46 3	25°14'21	12°55	12°11	0♐53	17°13	2°43	21°18	22°21	19°30	29°34	9°R15	8°15	1°17	n.a.	T 22
F 23	1 50 0	26°15'07	24°48	13°37	2° 6	17°55	2°36	21°23	22°23	19°30	29°36	9°14	8°11	1°24	n.a.	F 23
S 24	1 53 57	27°15'54	6♉48	15° 3	3°19	18°38	2°29	21°28	22°25	19°30	29°38	9°12	8° 8	1°30	n.a.	S 24
S 25	1 57 53	28°16'43	18°56	16°28	4°32	19°20	2°23	21°34	22°27	19°30	29°40	9°10	8° 5	1°37	n.a.	S 25
M26	2 1 50	29°17'33	1♊13	17°52	5°45	20° 3	2°16	21°39	22°29	19°R30	29°41	9° 7	8° 2	1°44	n.a.	M26
T 27	2 5 46	0♏18'25	13°42	19°15	6°58	20°46	2°10	21°44	22°31	19°30	29°43	9° 3	7°59	1°50	n.a.	T 27
W28	2 9 43	1°19'18	26°23	20°37	8°11	21°28	2° 4	21°49	22°33	19°30	29°45	9° 0	7°56	1°57	n.a.	W28
T 29	2 13 39	2°20'12	9♋20	21°58	9°24	22°11	1°58	21°55	22°35	19°30	29°47	8°57	7°52	2° 4	n.a.	T 29
F 30	2 17 36	3°21'09	22°33	23°17	10°37	22°54	1°52	22° 0	22°37	19°30	29°49	8°56	7°49	2°10	n.a.	F 30
S 31	2 21 32	4♏22'06	6♌ 4	24♏35	11♐49	23♎36	1♈46	22♐ 6	22♑39	19♋30	29♏51	8°D55	7♎46	2♈17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s38	18n29	5s14	4s11	0s 4	14s 4	0s42	0s29	0n35	0n37	1s42	22s57	0n23	15n12	0n43	22n19	0n 0	14s20	5n59	3s41	3s45	0n26		n.a.
F 2	2 2	17 50	5 18	4 55	0 11	14 32	0 45	0 46	0 35	0 34	1 42	22 57	0 23	15 12	0 43	22 19	0 0	14 20	5 58	3 41	3 44	0 28		n.a.
S 3	2 26	16 8	5 4	5 38	0 17	14 59	0 48	1 4	0 34	0 31	1 42	22 57	0 23	15 11	0 43	22 18	0 0	14 21	5 58	3 41	3 42	0 30		n.a.
S 4	2 50	13 27	4 32	6 21	0 24	15 26	0 51	1 21	0 34	0 28	1 42	22 58	0 23	15 10	0 43	22 18	0 0	14 21	5 58	3 41	3 41	0 32		n.a.
M 5	3 15	9 51	3 42	7 4	0 30	15 52	0 54	1 38	0 33	0 25	1 42	22 58	0 23	15 9	0 44	22 18	0 0	14 22	5 58	3 41	3 40	0 34		n.a.
T 6	3 39	5 34	2 36	7 46	0 37	16 18	0 57	1 55	0 33	0 21	1 42	22 58	0 23	15 8	0 44	22 18	0 0	14 23	5 57	3 41	3 39	0 35		n.a.
W 7	4 3	0 50	1 19	8 27	0 43	16 44	0 59	2 12	0 32	0 18	1 42	22 59	0 22	15 7	0 44	22 18	0 0	14 23	5 57	3 41	3 37	0 37		n.a.
T 8	4 26	3s59	0n 5	9 9	0 50	17 9	1 2	2 29	0 32	0 15	1 41	22 59	0 22	15 6	0 44	22 18	0 0	14 24	5 57	3 41	3 36	0 39		n.a.
F 9	4 50	8 31	1 28	9 49	0 56	17 34	1 5	2 46	0 31	0 12	1 41	23 0	0 22	15 5	0 44	22 18	0 0	14 24	5 57	3 41	3 35	0 41		n.a.
S 10	5 14	12 27	2 44	10 30	1 3	17 58	1 8	3 4	0 31	0 9	1 41	23 0	0 22	15 4	0 44	22 18	0 0	14 25	5 56	3 41	3 34	0 43		n.a.
S 11	5 38	15 31	3 48	11 9	1 9	18 22	1 10	3 21	0 30	0 6	1 41	23 0	0 22	15 3	0 44	22 18	0 0	14 25	5 56	3 41	3 32	0 45		n.a.
M12	6 2	17 32	4 35	11 48	1 15	18 45	1 13	3 38	0 29	0 3	1 41	23 1	0 22	15 3	0 44	22 18	0 0	14 26	5 56	3 41	3 31	0 47		n.a.
T 13	6 25	18 26	5 5	12 27	1 21	19 8	1 16	3 55	0 29	0s 0	1 41	23 1	0 22	15 2	0 44	22 18	0 0	14 27	5 56	3 40	3 30	0 49		n.a.
W14	6 49	18 18	5 17	13 5	1 26	19 31	1 18	4 12	0 28	0 3	1 41	23 2	0 22	15 1	0 44	22 18	0 0	14 27	5 56	3 40	3 29	0 50		n.a.
T 15	7 12	17 12	5 13	13 42	1 32	19 53	1 21	4 29	0 28	0 6	1 41	23 2	0 22	15 0	0 44	22 18	0 0	14 28	5 55	3 40	3 27	0 52		n.a.
F 16	7 35	15 18	4 54	14 18	1 38	20 14	1 24	4 46	0 27	0 9	1 40	23 3	0 21	14 59	0 44	22 18	0 0	14 28	5 55	3 40	3 26	0 54		n.a.
S 17	7 59	12 45	4 22	14 54	1 43	20 35	1 26	5 3	0 27	0 12	1 40	23 3	0 21	14 59	0 44	22 17	0 0	14 29	5 55	3 41	3 25	0 56		n.a.
S 18	8 22	9 41	3 39	15 29	1 48	20 55	1 29	5 20	0 26	0 15	1 40	23 3	0 21	14 58	0 44	22 17	0 0	14 30	5 55	3 41	3 23	0 58		n.a.
M19	8 45	6 16	2 47	16 3	1 53	21 15	1 31	5 37	0 26	0 17	1 40	23 4	0 21	14 57	0 44	22 17	0 0	14 30	5 54	3 41	3 22	1 0		n.a.
T 20	9 7	2 37	1 48	16 36	1 58	21 34	1 33	5 54	0 25	0 20	1 40	23 4	0 21	14 56	0 44	22 17	0 0	14 31	5 54	3 42	3 21	1 2		n.a.
W21	9 30	1n 8	0 45	17 9	2 2	21 52	1 36	6 11	0 24	0 23	1 39	23 5	0 21	14 56	0 44	22 17	0 0	14 31	5 54	3 42	3 20	1 4		n.a.
T 22	9 53	4 51	0s20	17 40	2 6	22 10	1 38	6 28	0 24	0 25	1 39	23 5	0 21	14 55	0 44	22 17	0 0	14 32	5 54	3 42	3 18	1 5		n.a.
F 23	10 15	8 24	1 25	18 11	2 10	22 28	1 40	6 45	0 23	0 28	1 39	23 5	0 21	14 54	0 44	22 17	0 0	14 33	5 54	3 42	3 17	1 7		n.a.
S 24	10 37	11 38	2 27	18 40	2 14	22 44	1 43	7 2	0 23	0 30	1 39	23 6	0 21	14 54	0 44	22 17	0 0	14 33	5 53	3 41	3 16	1 9		n.a.
S 25	10 59	14 25	3 22	19 8	2 17	23 1	1 45	7 19	0 22	0 33	1 39	23 6	0 21	14 53	0 44	22 17	0 0	14 34	5 53	3 40	3 15	1 11		n.a.
M26	11 21	16 35	4 9	19 35	2 20	23 16	1 47	7 36	0 22	0 35	1 38	23 7	0 20	14 52	0 44	22 17	0 0	14 34	5 53	3 39	3 13	1 13		n.a.
T 27	11 43	18 0	4 45	20 1	2 22	23 31	1 49	7 52	0 21	0 38	1 38	23 7	0 20	14 52	0 44	22 17	0 0	14 35	5 53	3 38	3 12	1 15		n.a.
W28	12 4	18 33	5 8	20 26	2 24	23 45	1 51	8 9	0 20	0 40	1 38	23 8	0 20	14 51	0 44	22 17	0 0	14 36	5 53	3 36	3 11	1 17		n.a.
T 29	12 26	18 9	5 15	20 49	2 26	23 58	1 53	8 26	0 20	0 42	1 38	23 8	0 20	14 51	0 44	22 17	0 0	14 36	5 52	3 35	3 10	1 18		n.a.
F 30	12 47	16 46	5 6	21 10	2 27	24 11	1 54	8 42	0 19	0 44	1 37	23 9	0 20	14 50	0 44	22 17	0 0	14 37	5 52	3 35	3 8	1 20		n.a.
S 31	13s 8	14n27	4s41	21s31	2s27	24s23	1s56	8s59	0n19	0s46	1s37	23s 9	0n20	14n50	0n44	22n17	0n 0	14s37	5n52	3s35	3s 7	1n22		n.a.

Julian Day Number = 1641341.5, Delta T = 03h36m13s
Ecliptic obliquity = 23°43'10, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'46, Lahiri = - 6°58'46 Julian Calendar 1 Oct. 220 BCE == Greg. Calendar 27 Sept. 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

NOVEMBER 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 25 29	5♏23'05	19♌55	25♏51	13♐ 2	24♎19	1°R41	22♐11	22♌40	19°R30	29♏53	8♎56	7♎43	2♈24	n.a.	S 1
M 2	2 29 26	6°24'05	4♍ 6	27° 4	14°15	25° 2	1♈35	22°17	22°42	19♋30	29°55	8°57	7°40	2°30	n.a.	M 2
T 3	2 33 22	7°25'07	18°36	28°15	15°27	25°45	1°30	22°22	22°44	19°29	29°58	8°59	7°37	2°37	n.a.	T 3
W 4	2 37 19	8°26'10	3♎21	29°23	16°40	26°28	1°25	22°28	22°45	19°29	29°59	9°R 0	7°33	2°44	n.a.	W 4
T 5	2 41 15	9°27'14	18°16	0♐28	17°53	27°11	1°20	22°34	22°47	19°29	0♐ 2	9° 0	7°30	2°50	n.a.	T 5
F 6	2 45 12	10°28'20	3♏13	1°29	19° 5	27°54	1°15	22°40	22°48	19°28	0° 4	8°58	7°27	2°57	n.a.	F 6
S 7	2 49 8	11°29'26	18° 5	2°25	20°18	28°37	1°11	22°46	22°50	19°28	0° 6	8°54	7°24	3° 3	n.a.	S 7
S 8	2 53 5	12°30'33	2♐43	3°16	21°30	29°20	1° 6	22°52	22°51	19°28	0° 8	8°49	7°21	3°10	n.a.	S 8
M 9	2 57 1	13°31'41	17° 1	4° 2	22°42	0♏ 4	1° 2	22°58	22°52	19°27	0°10	8°44	7°17	3°17	n.a.	M 9
T 10	3 0 58	14°32'50	0♑52	4°41	23°55	0°47	0°58	23° 4	22°54	19°27	0°12	8°38	7°14	3°23	n.a.	T 10
W11	3 4 55	15°33'59	14°17	5°12	25° 7	1°30	0°54	23°10	22°55	19°26	0°14	8°33	7°11	3°30	n.a.	W11
T 12	3 8 51	16°35'09	27°15	5°35	26°19	2°13	0°51	23°16	22°56	19°26	0°17	8°30	7° 8	3°37	n.a.	T 12
F 13	3 12 48	17°36'19	9♒49	5°49	27°31	2°57	0°47	23°22	22°57	19°25	0°19	8°28	7° 5	3°43	n.a.	F 13
S 14	3 16 44	18°37'29	22° 4	5°R53	28°43	3°40	0°44	23°28	22°58	19°24	0°21	8°D27	7° 2	3°50	n.a.	S 14
S 15	3 20 41	19°38'40	4♓ 4	5°47	29°55	4°24	0°41	23°35	22°59	19°24	0°23	8°28	6°58	3°57	n.a.	S 15
M16	3 24 37	20°39'51	15°55	5°29	1♑ 7	5° 7	0°38	23°41	23° 0	19°23	0°25	8°30	6°55	4° 3	n.a.	M16
T 17	3 28 34	21°41'03	27°42	4°59	2°19	5°51	0°36	23°47	23° 1	19°22	0°27	8°32	6°52	4°10	n.a.	T 17
W18	3 32 30	22°42'14	9♈30	4°18	3°30	6°34	0°33	23°54	23° 2	19°22	0°29	8°R32	6°49	4°17	n.a.	W18
T 19	3 36 27	23°43'26	21°22	3°26	4°42	7°18	0°31	24° 0	23° 2	19°21	0°32	8°31	6°46	4°23	n.a.	T 19
F 20	3 40 24	24°44'39	3♉22	2°23	5°54	8° 2	0°29	24° 7	23° 3	19°20	0°34	8°28	6°42	4°30	n.a.	F 20
S 21	3 44 20	25°45'51	15°32	1°12	7° 5	8°45	0°27	24°13	23° 4	19°19	0°36	8°23	6°39	4°37	n.a.	S 21
S 22	3 48 17	26°47'04	27°55	29♏55	8°16	9°29	0°26	24°20	23° 4	19°18	0°38	8°15	6°36	4°43	n.a.	S 22
M23	3 52 13	27°48'18	10♊30	28°34	9°28	10°13	0°24	24°26	23° 5	19°17	0°40	8° 6	6°33	4°50	n.a.	M23
T 24	3 56 10	28°49'32	23°18	27°11	10°39	10°57	0°23	24°33	23° 5	19°17	0°43	7°56	6°30	4°56	n.a.	T 24
W25	4 0 6	29°50'46	6♋19	25°50	11°50	11°41	0°22	24°39	23° 6	19°16	0°45	7°47	6°27	5° 3	n.a.	W25
T 26	4 4 3	0♐52'00	19°32	24°34	13° 1	12°24	0°21	24°46	23° 6	19°15	0°47	7°39	6°23	5°10	n.a.	T 26
F 27	4 7 59	1°53'15	2♌56	23°23	14°12	13° 8	0°21	24°53	23° 7	19°14	0°49	7°33	6°20	5°16	n.a.	F 27
S 28	4 11 56	2°54'30	16°32	22°21	15°23	13°52	0°20	25° 0	23° 7	19°13	0°51	7°29	6°17	5°23	n.a.	S 28
S 29	4 15 53	3°55'46	0♍19	21°28	16°33	14°37	0°D20	25° 6	23° 7	19°12	0°54	7°D28	6°14	5°30	n.a.	S 29
M30	4 19 49	4♐57'02	14♍18	20♏46	17♑44	15♏21	0♈20	25♐13	23♌ 7	19♋10	0♐56	7♎28	6♎11	5♈36	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s28	11n15	3s58	21s49	2s27	24s35	1s58	9s15	0n18	0s48	1s37	23s 9	0n20	14n49	0n45	22n18	0n 1	14s38	5n52	3s35	3s 6	1n24		n.a.
M 2	13 49	7 19	3 0	22 6	2 26	24 45	1 59	9 32	0 17	0 50	1 37	23 10	0 20	14 49	0 45	22 18	0 1	14 38	5 52	3 35	3 4	1 26		n.a.
T 3	14 9	2 53	1 50	22 21	2 25	24 55	2 1	9 48	0 17	0 52	1 36	23 10	0 20	14 48	0 45	22 18	0 1	14 39	5 52	3 36	3 3	1 28		n.a.
W 4	14 29	1s49	0 31	22 34	2 22	25 4	2 2	10 4	0 16	0 54	1 36	23 11	0 20	14 48	0 45	22 18	0 1	14 40	5 51	3 36	3 2	1 30		n.a.
T 5	14 49	6 28	0n51	22 45	2 19	25 13	2 4	10 21	0 16	0 56	1 36	23 11	0 19	14 47	0 45	22 18	0 1	14 40	5 51	3 36	3 1	1 32		n.a.
F 6	15 8	10 43	2 9	22 54	2 15	25 21	2 5	10 37	0 15	0 57	1 36	23 12	0 19	14 47	0 45	22 18	0 1	14 41	5 51	3 36	2 59	1 33		n.a.
S 7	15 27	14 15	3 18	23 1	2 10	25 28	2 6	10 53	0 14	0 59	1 35	23 12	0 19	14 46	0 45	22 18	0 1	14 41	5 51	3 34	2 58	1 35		n.a.
S 8	15 46	16 49	4 13	23 5	2 4	25 34	2 8	11 9	0 14	1 0	1 35	23 12	0 19	14 46	0 45	22 18	0 1	14 42	5 51	3 32	2 57	1 37		n.a.
M 9	16 5	18 16	4 50	23 7	1 57	25 39	2 9	11 25	0 13	1 2	1 35	23 13	0 19	14 45	0 45	22 18	0 1	14 43	5 51	3 30	2 56	1 39		n.a.
T 10	16 23	18 34	5 9	23 6	1 48	25 44	2 10	11 41	0 13	1 3	1 34	23 13	0 19	14 45	0 45	22 18	0 1	14 43	5 50	3 28	2 54	1 41		n.a.
W11	16 42	17 48	5 10	23 2	1 39	25 48	2 10	11 57	0 12	1 4	1 34	23 14	0 19	14 45	0 45	22 18	0 1	14 44	5 50	3 26	2 53	1 43		n.a.
T 12	16 59	16 7	4 55	22 55	1 27	25 51	2 11	12 12	0 11	1 5	1 34	23 14	0 19	14 44	0 45	22 18	0 1	14 44	5 50	3 24	2 52	1 45		n.a.
F 13	17 17	13 43	4 27	22 45	1 15	25 54	2 12	12 28	0 11	1 7	1 33	23 14	0 19	14 44	0 45	22 18	0 1	14 45	5 50	3 24	2 50	1 46		n.a.
S 14	17 34	10 45	3 46	22 32	1 1	25 55	2 13	12 44	0 10	1 8	1 33	23 15	0 19	14 44	0 45	22 18	0 1	14 46	5 50	3 23	2 49	1 48		n.a.
S 15	17 51	7 24	2 57	22 16	0 46	25 56	2 13	12 59	0 10	1 8	1 33	23 15	0 18	14 43	0 45	22 19	0 1	14 46	5 50	3 24	2 48	1 50		n.a.
M16	18 8	3 47	2 0	21 56	0 29	25 56	2 14	13 14	0 9	1 9	1 32	23 16	0 18	14 43	0 45	22 19	0 1	14 47	5 50	3 25	2 47	1 52		n.a.
T 17	18 24	0 2	0 59	21 33	0 11	25 56	2 14	13 30	0 8	1 10	1 32	23 16	0 18	14 43	0 45	22 19	0 1	14 47	5 49	3 25	2 45	1 54		n.a.
W18	18 40	3n43	0s 5	21 7	0n 8	25 54	2 14	13 45	0 8	1 11	1 32	23 16	0 18	14 43	0 45	22 19	0 1	14 48	5 49	3 25	2 44	1 56		n.a.
T 19	18 55	7 22	1 9	20 37	0 28	25 52	2 14	14 0	0 7	1 11	1 32	23 17	0 18	14 42	0 45	22 19	0 1	14 48	5 49	3 25	2 43	1 58		n.a.
F 20	19 11	10 44	2 10	20 5	0 49	25 49	2 14	14 15	0 6	1 12	1 31	23 17	0 18	14 42	0 45	22 19	0 1	14 49	5 49	3 24	2 42	1 59		n.a.
S 21	19 25	13 43	3 6	19 31	1 9	25 46	2 14	14 30	0 6	1 12	1 31	23 18	0 18	14 42	0 45	22 19	0 1	14 49	5 49	3 22	2 40	2 1		n.a.
S 22	19 40	16 7	3 55	18 56	1 29	25 41	2 14	14 44	0 5	1 13	1 31	23 18	0 18	14 42	0 45	22 19	0 1	14 50	5 49	3 19	2 39	2 3		n.a.
M23	19 54	17 48	4 32	18 20	1 47	25 36	2 14	14 59	0 4	1 13	1 30	23 18	0 18	14 42	0 45	22 20	0 1	14 51	5 49	3 15	2 38	2 5		n.a.
T 24	20 8	18 37	4 57	17 44	2 5	25 30	2 14	15 14	0 4	1 13	1 30	23 19	0 18	14 42	0 46	22 20	0 1	14 51	5 49	3 11	2 37	2 7		n.a.
W25	20 21	18 28	5 6	17 10	2 20	25 24	2 13	15 28	0 3	1 13	1 30	23 19	0 18	14 42	0 46	22 20	0 1	14 52	5 49	3 7	2 35	2 9		n.a.
T 26	20 34	17 20	5 0	16 39	2 33	25 16	2 13	15 42	0 2	1 13	1 29	23 19	0 18	14 42	0 46	22 20	0 1	14 52	5 48	3 4	2 34	2 11		n.a.
F 27	20 47	15 14	4 37	16 11	2 44	25 8	2 12	15 56	0 2	1 13	1 29	23 20	0 17	14 41	0 46	22 20	0 1	14 53	5 48	3 2	2 33	2 12		n.a.
S 28	20 59	12 16	3 59	15 47	2 53	24 59	2 11	16 10	0 1	1 13	1 29	23 20	0 17	14 41	0 46	22 20	0 1	14 53	5 48	3 0	2 31	2 14		n.a.
S 29	21 11	8 36	3 6	15 27	2 59	24 50	2 10	16 24	0 0	1 13	1 28	23 20	0 17	14 41	0 46	22 21	0 1	14 54	5 48	3 0	2 30	2 16		n.a.
M30	21s22	4n23	2s 1	15s12	3n 4	24s40	2s 9	16s38	0s 0	1s12	1s28	23s21	0n17	14n41	0n46	22n21	0n 1	14s54	5n48	3s 0	2s29	2n18		n.a.

Julian Day Number = 1641372.5, Delta T = 03h36m12s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'42, Lahiri = - 6°58'42 Julian Calendar 1 Nov. 220 BCE == Greg. Calendar 28 Oct. 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 220 BCE
geocentric

DECEMBER 220 BCE (-219) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 23 46	5♐58'18	28♍29	20°R14	18♑55	16♏ 5	0♈21	25♐20	23♌ 7	19°R 9	0♐58	7♎29	6♎ 8	5♈43	n.a.	T 1
W 2	4 27 42	6°59'34	12♎50	19♏52	20° 5	16°49	0°21	25°27	23°R 7	19♋ 8	1° 0	7°R29	6° 4	5°50	n.a.	W 2
T 3	4 31 39	8° 0'51	27°19	19°40	21°15	17°33	0°22	25°34	23° 7	19° 7	1° 2	7°27	6° 1	5°56	n.a.	T 3
F 4	4 35 35	9° 2'08	11♏51	19°D38	22°25	18°17	0°23	25°41	23° 7	19° 6	1° 5	7°23	5°58	6° 3	n.a.	F 4
S 5	4 39 32	10° 3'25	26°22	19°45	23°35	19° 2	0°24	25°48	23° 7	19° 5	1° 7	7°16	5°55	6°10	n.a.	S 5
S 6	4 43 29	11° 4'41	10♐45	20° 0	24°45	19°46	0°25	25°55	23° 7	19° 3	1° 9	7° 7	5°52	6°16	n.a.	S 6
M 7	4 47 25	12° 5'58	24°52	20°22	25°55	20°31	0°27	26° 2	23° 6	19° 2	1°11	6°56	5°48	6°23	n.a.	M 7
T 8	4 51 22	13° 7'14	8♑40	20°52	27° 5	21°15	0°28	26° 9	23° 6	19° 1	1°13	6°44	5°45	6°30	n.a.	T 8
W 9	4 55 18	14° 8'30	22° 5	21°27	28°14	21°59	0°30	26°16	23° 6	19° 0	1°15	6°33	5°42	6°36	n.a.	W 9
T 10	4 59 15	15° 9'45	5♒ 5	22° 8	29°23	22°44	0°32	26°23	23° 5	18°58	1°18	6°25	5°39	6°43	n.a.	T 10
F 11	5 3 11	16°10'59	17°42	22°54	0♒33	23°29	0°35	26°30	23° 5	18°57	1°20	6°18	5°36	6°49	n.a.	F 11
S 12	5 7 8	17°12'13	29°59	23°44	1°42	24°13	0°37	26°37	23° 4	18°56	1°22	6°15	5°33	6°56	n.a.	S 12
S 13	5 11 4	18°13'26	12♓ 2	24°38	2°50	24°58	0°40	26°44	23° 4	18°54	1°24	6°13	5°29	7° 3	n.a.	S 13
M14	5 15 1	19°14'38	23°54	25°36	3°59	25°42	0°43	26°51	23° 3	18°53	1°26	6°D13	5°26	7° 9	n.a.	M14
T 15	5 18 58	20°15'50	5♈41	26°37	5° 8	26°27	0°46	26°58	23° 2	18°51	1°28	6°R13	5°23	7°16	n.a.	T 15
W16	5 22 54	21°17'00	17°29	27°40	6°16	27°12	0°49	27° 5	23° 2	18°50	1°30	6°13	5°20	7°23	n.a.	W16
T 17	5 26 51	22°18'10	29°24	28°47	7°24	27°57	0°53	27°12	23° 1	18°48	1°32	6°10	5°17	7°29	n.a.	T 17
F 18	5 30 47	23°19'19	11♉29	29°55	8°32	28°41	0°57	27°19	23° 0	18°47	1°34	6° 6	5°14	7°36	n.a.	F 18
S 19	5 34 44	24°20'26	23°48	1♐ 6	9°40	29°26	1° 1	27°26	22°59	18°45	1°37	5°58	5°10	7°43	n.a.	S 19
S 20	5 38 40	25°21'34	6♊24	2°19	10°47	0♐11	1° 5	27°33	22°58	18°44	1°39	5°47	5° 7	7°49	n.a.	S 20
M21	5 42 37	26°22'40	19°18	3°33	11°54	0°56	1° 9	27°41	22°57	18°42	1°41	5°35	5° 4	7°56	n.a.	M21
T 22	5 46 33	27°23'45	2♋28	4°49	13° 2	1°41	1°13	27°48	22°56	18°41	1°43	5°21	5° 1	8° 3	n.a.	T 22
W23	5 50 30	28°24'50	15°53	6° 6	14° 8	2°26	1°18	27°55	22°55	18°39	1°45	5° 8	4°58	8° 9	n.a.	W23
T 24	5 54 27	29°25'53	29°31	7°25	15°15	3°11	1°23	28° 2	22°54	18°38	1°47	4°57	4°54	8°16	n.a.	T 24
F 25	5 58 23	0♑26'56	13♌18	8°45	16°21	3°56	1°28	28° 9	22°52	18°36	1°49	4°48	4°51	8°22	n.a.	F 25
S 26	6 2 20	1°27'58	27°12	10° 6	17°27	4°41	1°33	28°16	22°51	18°35	1°51	4°42	4°48	8°29	n.a.	S 26
S 27	6 6 16	2°29'00	11♍10	11°28	18°33	5°26	1°39	28°23	22°50	18°33	1°53	4°38	4°45	8°36	n.a.	S 27
M28	6 10 13	3°30'00	25°12	12°52	19°39	6°11	1°44	28°30	22°48	18°31	1°55	4°37	4°42	8°42	n.a.	M28
T 29	6 14 9	4°31'00	9♎16	14°16	20°44	6°57	1°50	28°38	22°47	18°30	1°56	4°37	4°39	8°49	n.a.	T 29
W30	6 18 6	5°31'59	23°22	15°41	21°49	7°42	1°56	28°45	22°46	18°28	1°58	4°37	4°35	8°56	n.a.	W30
T 31	6 22 2	6♑32'57	7♏29	17♐ 7	22♒54	8♐27	2♈ 2	28♐52	22♌44	18♋27	2♐ 0	4♎34	4♎32	9♈ 2	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s33	0s 7	0s48	15s 2	3n 6	24s29	2s 8	16s51	0s 1	1s12	1s27	23s21	0n17	14n41	0n46	22n21	0n 1	14s55	5n48	3s 0	2s28	2n20			n.a.
W 2	21 44	4 41	0n29	14 55	3 6	24 17	2 7	17 5	0 2	1 11	1 27	23 21	0 17	14 41	0 46	22 21	0 1	14 55	5 48	3 0	2 26	2 22			n.a.
T 3	21 54	9 1	1 44	14 54	3 5	24 5	2 5	17 18	0 2	1 11	1 27	23 22	0 17	14 42	0 46	22 21	0 1	14 56	5 48	2 59	2 25	2 24			n.a.
F 4	22 4	12 50	2 53	14 56	3 2	23 52	2 4	17 31	0 3	1 10	1 26	23 22	0 17	14 42	0 46	22 21	0 1	14 56	5 48	2 58	2 24	2 25			n.a.
S 5	22 13	15 50	3 50	15 1	2 58	23 38	2 2	17 44	0 4	1 9	1 26	23 22	0 17	14 42	0 46	22 22	0 1	14 57	5 48	2 55	2 23	2 27			n.a.
S 6	22 22	17 50	4 32	15 10	2 53	23 24	2 1	17 57	0 4	1 8	1 26	23 23	0 17	14 42	0 46	22 22	0 1	14 57	5 48	2 51	2 21	2 29			n.a.
M 7	22 30	18 41	4 57	15 21	2 48	23 9	1 59	18 10	0 5	1 8	1 25	23 23	0 17	14 42	0 46	22 22	0 1	14 58	5 48	2 47	2 20	2 31			n.a.
T 8	22 38	18 24	5 3	15 35	2 41	22 54	1 57	18 22	0 6	1 7	1 25	23 23	0 17	14 42	0 46	22 22	0 1	14 58	5 48	2 42	2 19	2 33			n.a.
W 9	22 46	17 5	4 52	15 51	2 34	22 38	1 55	18 35	0 6	1 5	1 25	23 23	0 16	14 42	0 46	22 22	0 1	14 59	5 47	2 38	2 17	2 35			n.a.
T 10	22 53	14 54	4 27	16 9	2 27	22 21	1 53	18 47	0 7	1 4	1 24	23 24	0 16	14 42	0 46	22 23	0 1	14 59	5 47	2 34	2 16	2 36			n.a.
F 11	23 0	12 5	3 48	16 29	2 19	22 4	1 50	18 59	0 8	1 3	1 24	23 24	0 16	14 43	0 46	22 23	0 1	15 0	5 47	2 32	2 15	2 38			n.a.
S 12	23 6	8 48	3 0	16 49	2 11	21 46	1 48	19 11	0 8	1 2	1 24	23 24	0 16	14 43	0 46	22 23	0 1	15 0	5 47	2 30	2 14	2 40			n.a.
S 13	23 11	5 12	2 5	17 10	2 2	21 28	1 45	19 23	0 9	1 0	1 23	23 25	0 16	14 43	0 46	22 23	0 1	15 1	5 47	2 30	2 12	2 42			n.a.
M14	23 17	1 27	1 5	17 33	1 54	21 9	1 43	19 34	0 10	0 59	1 23	23 25	0 16	14 43	0 46	22 23	0 1	15 1	5 47	2 30	2 11	2 44			n.a.
T 15	23 21	2n20	0 3	17 55	1 45	20 49	1 40	19 45	0 10	0 57	1 23	23 25	0 16	14 44	0 46	22 24	0 1	15 2	5 47	2 30	2 10	2 46			n.a.
W16	23 26	6 2	1s 0	18 19	1 36	20 30	1 37	19 57	0 11	0 56	1 22	23 25	0 16	14 44	0 46	22 24	0 1	15 2	5 47	2 30	2 9	2 48			n.a.
T 17	23 30	9 31	2 0	18 42	1 28	20 9	1 34	20 8	0 12	0 54	1 22	23 26	0 16	14 44	0 47	22 24	0 1	15 3	5 47	2 29	2 7	2 49			n.a.
F 18	23 33	12 40	2 55	19 5	1 19	19 48	1 31	20 18	0 13	0 52	1 22	23 26	0 16	14 45	0 47	22 24	0 1	15 3	5 47	2 27	2 6	2 51			n.a.
S 19	23 36	15 20	3 44	19 29	1 10	19 27	1 28	20 29	0 13	0 50	1 21	23 26	0 16	14 45	0 47	22 24	0 1	15 3	5 47	2 24	2 5	2 53			n.a.
S 20	23 38	17 19	4 23	19 52	1 1	19 5	1 24	20 39	0 14	0 48	1 21	23 26	0 16	14 45	0 47	22 25	0 1	15 4	5 47	2 20	2 3	2 55			n.a.
M21	23 40	18 29	4 49	20 15	0 53	18 43	1 21	20 49	0 15	0 46	1 21	23 26	0 16	14 46	0 47	22 25	0 1	15 4	5 47	2 14	2 2	2 57			n.a.
T 22	23 42	18 42	5 0	20 38	0 44	18 20	1 17	20 59	0 15	0 44	1 20	23 27	0 15	14 46	0 47	22 25	0 1	15 5	5 47	2 9	2 1	2 59			n.a.
W23	23 43	17 52	4 55	21 0	0 36	17 57	1 14	21 9	0 16	0 42	1 20	23 27	0 15	14 46	0 47	22 25	0 1	15 5	5 47	2 4	2 0	3 0			n.a.
T 24	23 43	16 2	4 34	21 21	0 27	17 34	1 10	21 19	0 17	0 40	1 20	23 27	0 15	14 47	0 47	22 26	0 1	15 6	5 47	1 59	1 58	3 2			n.a.
F 25	23 43	13 15	3 56	21 42	0 19	17 10	1 6	21 28	0 17	0 37	1 20	23 27	0 15	14 47	0 47	22 26	0 1	15 6	5 47	1 56	1 57	3 4			n.a.
S 26	23 43	9 42	3 4	22 3	0 11	16 46	1 2	21 37	0 18	0 35	1 19	23 27	0 15	14 48	0 47	22 26	0 1	15 6	5 47	1 53	1 56	3 6			n.a.
S 27	23 42	5 36	2 1	22 22	0 3	16 21	0 57	21 46	0 19	0 33	1 19	23 27	0 15	14 48	0 47	22 26	0 1	15 7	5 47	1 52	1 55	3 8			n.a.
M28	23 40	1 10	0 50	22 41	0s 5	15 56	0 53	21 55	0 20	0 30	1 19	23 28	0 15	14 49	0 47	22 27	0 1	15 7	5 47	1 51	1 53	3 10			n.a.
T 29	23 38	3s20	0n25	22 59	0 13	15 31	0 49	22 3	0 20	0 28	1 18	23 28	0 15	14 49	0 47	22 27	0 1	15 8	5 47	1 51	1 52	3 11			n.a.
W30	23 36	7 40	1 37	23 16	0 20	15 5	0 44	22 12	0 21	0 25	1 18	23 28	0 15	14 50	0 47	22 27	0 1	15 8	5 47	1 51	1 51	3 13			n.a.
T 31	23s33	11s35	2n44	23s32	0s27	14s40	0s39	22s20	0s22	0s22	1s18	23s28	0n15	14n50	0n47	22n27	0n 1	15s 8	5n47	1s50	1s49	3n15			n.a.

Julian Day Number = 1641402.5, Delta T = 03h36m11s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'38, Lahiri = - 6°58'38 Julian Calendar 1 Dec. 220 BCE == Greg. Calendar 27 Nov. 220 BCE

The year -219 astronomical counting style corresponds to year 220 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

JANUARY 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 25 59	7♑33'55	21♏35	18♐34	23♒59	9♐12	2♈ 8	28♐59	22°R43	18°R25	2♐ 2	4°R29	4♎29	9♈ 9	n.a.	F 1
S 2	6 29 56	8°34'51	5♐38	20° 2	25° 3	9°58	2°14	29° 6	22♌41	18♋23	2° 4	4♎21	4°26	9°16	n.a.	S 2
S 3	6 33 52	9°35'46	19°34	21°31	26° 7	10°43	2°21	29°13	22°39	18°22	2° 6	4°10	4°23	9°22	n.a.	S 3
M 4	6 37 49	10°36'41	3♑19	23° 0	27°10	11°29	2°28	29°20	22°38	18°20	2° 8	3°58	4°20	9°29	n.a.	M 4
T 5	6 41 45	11°37'34	16°49	24°31	28°13	12°14	2°35	29°27	22°36	18°18	2°10	3°44	4°16	9°36	n.a.	T 5
W 6	6 45 42	12°38'25	0♒ 1	26° 2	29°16	12°59	2°42	29°34	22°34	18°17	2°11	3°32	4°13	9°42	n.a.	W 6
T 7	6 49 38	13°39'15	12°54	27°34	0♓19	13°45	2°49	29°41	22°32	18°15	2°13	3°21	4°10	9°49	n.a.	T 7
F 8	6 53 35	14°40'04	25°28	29° 6	1°21	14°30	2°56	29°48	22°30	18°13	2°15	3°13	4° 7	9°56	n.a.	F 8
S 9	6 57 32	15°40'51	7♓44	0♑40	2°23	15°16	3° 4	29°55	22°29	18°12	2°17	3° 8	4° 4	10° 2	n.a.	S 9
S 10	7 1 28	16°41'36	19°47	2°14	3°24	16° 1	3°11	0♑ 2	22°27	18°10	2°18	3° 5	4° 0	10° 9	n.a.	S 10
M11	7 5 25	17°42'19	1♈39	3°49	4°25	16°47	3°19	0° 9	22°25	18° 8	2°20	3°D 4	3°57	10°15	n.a.	M11
T 12	7 9 21	18°43'01	13°27	5°25	5°26	17°33	3°27	0°16	22°23	18° 6	2°22	3°R 4	3°54	10°22	n.a.	T 12
W13	7 13 18	19°43'41	25°15	7° 2	6°26	18°18	3°35	0°23	22°21	18° 5	2°23	3° 4	3°51	10°29	n.a.	W13
T 14	7 17 14	20°44'19	7♉11	8°39	7°25	19° 4	3°44	0°29	22°19	18° 3	2°25	3° 3	3°48	10°35	n.a.	T 14
F 15	7 21 11	21°44'55	19°17	10°18	8°24	19°50	3°52	0°36	22°16	18° 1	2°26	2°59	3°45	10°42	n.a.	F 15
S 16	7 25 7	22°45'29	1♊40	11°57	9°23	20°35	4° 0	0°43	22°14	18° 0	2°28	2°53	3°41	10°49	n.a.	S 16
S 17	7 29 4	23°46'02	14°23	13°37	10°21	21°21	4° 9	0°50	22°12	17°58	2°30	2°45	3°38	10°55	n.a.	S 17
M18	7 33 1	24°46'33	27°28	15°18	11°19	22° 7	4°18	0°56	22°10	17°56	2°31	2°35	3°35	11° 2	n.a.	M18
T 19	7 36 57	25°47'01	10♋55	17° 0	12°16	22°53	4°27	1° 3	22° 8	17°55	2°33	2°23	3°32	11° 9	n.a.	T 19
W20	7 40 54	26°47'29	24°42	18°43	13°12	23°39	4°36	1°10	22° 6	17°53	2°34	2°12	3°29	11°15	n.a.	W20
T 21	7 44 50	27°47'54	8♌45	20°26	14° 8	24°24	4°45	1°17	22° 3	17°51	2°35	2° 2	3°26	11°22	n.a.	T 21
F 22	7 48 47	28°48'17	23° 0	22°11	15° 3	25°10	4°54	1°23	22° 1	17°50	2°37	1°54	3°22	11°29	n.a.	F 22
S 23	7 52 43	29°48'39	7♍20	23°57	15°58	25°56	5° 4	1°30	21°59	17°48	2°38	1°49	3°19	11°35	n.a.	S 23
S 24	7 56 40	0♒48'59	21°42	25°43	16°52	26°42	5°13	1°36	21°56	17°46	2°40	1°47	3°16	11°42	n.a.	S 24
M25	8 0 36	1°49'18	6♎ 0	27°31	17°45	27°28	5°23	1°43	21°54	17°45	2°41	1°D46	3°13	11°49	n.a.	M25
T 26	8 4 33	2°49'35	20°13	29°20	18°38	28°14	5°33	1°49	21°51	17°43	2°42	1°47	3°10	11°55	n.a.	T 26
W27	8 8 29	3°49'51	4♏19	1♒ 9	19°30	29° 0	5°43	1°56	21°49	17°42	2°44	1°R47	3° 6	12° 2	n.a.	W27
T 28	8 12 26	4°50'05	18°17	3° 0	20°21	29°46	5°53	2° 2	21°47	17°40	2°45	1°47	3° 3	12° 8	n.a.	T 28
F 29	8 16 23	5°50'17	2♐ 7	4°51	21°12	0♑32	6° 3	2° 8	21°44	17°38	2°46	1°44	3° 0	12°15	n.a.	F 29
S 30	8 20 19	6°50'28	15°47	6°44	22° 1	1°18	6°13	2°15	21°42	17°37	2°47	1°38	2°57	12°22	n.a.	S 30
S 31	8 24 16	7♒50'37	29♐17	8♒37	22♓50	2♑ 4	6♈24	2♑21	21♌39	17♋35	2♐48	1♎31	2♎54	12♈28	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s30	14s49	3n41	23s47	0s34	14s14	0s34	22s28	0s22	0s19	1s17	23s28	0n15	14n51	0n47	22n27	0n 1	15s 9	5n47	1s48	1s48	3n17		n.a.
S 2	23 26	17 10	4 24	24 1	0 41	13 47	0 29	22 35	0 23	0 17	1 17	23 28	0 15	14 51	0 47	22 28	0 1	15 9	5 47	1 45	1 47	3 19		n.a.
S 3	23 22	18 28	4 51	24 14	0 48	13 21	0 24	22 43	0 24	0 14	1 17	23 28	0 15	14 52	0 47	22 28	0 1	15 9	5 47	1 41	1 46	3 21		n.a.
M 4	23 17	18 40	5 0	24 26	0 54	12 54	0 19	22 50	0 25	0 11	1 16	23 29	0 15	14 53	0 47	22 28	0 1	15 10	5 47	1 36	1 44	3 22		n.a.
T 5	23 12	17 48	4 53	24 37	1 1	12 27	0 14	22 57	0 25	0 8	1 16	23 29	0 14	14 53	0 47	22 28	0 1	15 10	5 47	1 30	1 43	3 24		n.a.
W 6	23 7	16 0	4 29	24 46	1 6	12 0	0 8	23 3	0 26	0 4	1 16	23 29	0 14	14 54	0 47	22 29	0 1	15 10	5 47	1 25	1 42	3 26		n.a.
T 7	23 1	13 25	3 53	24 54	1 12	11 32	0 3	23 10	0 27	0 1	1 16	23 29	0 14	14 54	0 47	22 29	0 1	15 11	5 47	1 21	1 40	3 28		n.a.
F 8	22 54	10 16	3 5	25 1	1 18	11 5	0n 3	23 16	0 28	0n 2	1 15	23 29	0 14	14 55	0 47	22 29	0 1	15 11	5 47	1 18	1 39	3 30		n.a.
S 9	22 47	6 45	2 10	25 6	1 23	10 37	0 8	23 22	0 28	0 5	1 15	23 29	0 14	14 56	0 47	22 29	0 1	15 11	5 47	1 15	1 38	3 32		n.a.
S 10	22 40	3 1	1 10	25 10	1 28	10 9	0 14	23 27	0 29	0 9	1 15	23 29	0 14	14 56	0 47	22 30	0 1	15 12	5 47	1 14	1 37	3 33		n.a.
M11	22 32	0n47	0 8	25 12	1 33	9 41	0 20	23 33	0 30	0 12	1 14	23 29	0 14	14 57	0 47	22 30	0 1	15 12	5 47	1 14	1 35	3 35		n.a.
T 12	22 24	4 32	0s55	25 13	1 37	9 13	0 26	23 38	0 30	0 15	1 14	23 29	0 14	14 58	0 47	22 30	0 1	15 12	5 47	1 14	1 34	3 37		n.a.
W13	22 15	8 6	1 55	25 13	1 41	8 45	0 33	23 43	0 31	0 19	1 14	23 29	0 14	14 58	0 48	22 30	0 1	15 12	5 47	1 14	1 33	3 39		n.a.
T 14	22 6	11 23	2 51	25 10	1 45	8 17	0 39	23 48	0 32	0 22	1 14	23 29	0 14	14 59	0 48	22 31	0 1	15 13	5 47	1 14	1 32	3 41		n.a.
F 15	21 56	14 14	3 40	25 7	1 48	7 49	0 45	23 52	0 33	0 26	1 13	23 29	0 14	15 0	0 48	22 31	0 1	15 13	5 47	1 12	1 30	3 43		n.a.
S 16	21 46	16 30	4 20	25 1	1 51	7 20	0 52	23 56	0 33	0 30	1 13	23 29	0 14	15 1	0 48	22 31	0 1	15 13	5 47	1 10	1 29	3 44		n.a.
S 17	21 36	18 2	4 48	24 54	1 54	6 52	0 59	24 0	0 34	0 33	1 13	23 29	0 14	15 1	0 48	22 31	0 2	15 13	5 47	1 6	1 28	3 46		n.a.
M18	21 25	18 40	5 2	24 45	1 56	6 24	1 5	24 4	0 35	0 37	1 13	23 29	0 14	15 2	0 48	22 32	0 2	15 14	5 47	1 2	1 26	3 48		n.a.
T 19	21 14	18 17	5 0	24 35	1 58	5 56	1 12	24 7	0 36	0 41	1 12	23 29	0 13	15 3	0 48	22 32	0 2	15 14	5 47	0 58	1 25	3 50		n.a.
W20	21 3	16 50	4 40	24 23	2 0	5 27	1 19	24 10	0 36	0 45	1 12	23 29	0 13	15 4	0 48	22 32	0 2	15 14	5 48	0 53	1 24	3 52		n.a.
T 21	20 51	14 22	4 4	24 8	2 1	4 59	1 26	24 13	0 37	0 49	1 12	23 29	0 13	15 4	0 48	22 32	0 2	15 14	5 48	0 49	1 23	3 54		n.a.
F 22	20 38	11 0	3 11	23 53	2 2	4 31	1 34	24 15	0 38	0 53	1 12	23 29	0 13	15 5	0 48	22 32	0 2	15 15	5 48	0 46	1 21	3 55		n.a.
S 23	20 26	6 58	2 7	23 35	2 3	4 3	1 41	24 18	0 38	0 57	1 11	23 29	0 13	15 6	0 48	22 33	0 2	15 15	5 48	0 44	1 20	3 57		n.a.
S 24	20 13	2 31	0 54	23 15	2 2	3 35	1 48	24 20	0 39	1 1	1 11	23 29	0 13	15 7	0 48	22 33	0 2	15 15	5 48	0 43	1 19	3 59		n.a.
M25	19 59	2s 4	0n23	22 54	2 2	3 7	1 56	24 22	0 40	1 5	1 11	23 29	0 13	15 7	0 48	22 33	0 2	15 15	5 48	0 43	1 18	4 1		n.a.
T 26	19 45	6 30	1 37	22 30	2 1	2 39	2 3	24 23	0 41	1 9	1 11	23 29	0 13	15 8	0 48	22 33	0 2	15 15	5 48	0 43	1 16	4 3		n.a.
W27	19 31	10 31	2 45	22 5	2 0	2 12	2 11	24 24	0 41	1 13	1 10	23 29	0 13	15 9	0 48	22 34	0 2	15 16	5 48	0 43	1 15	4 4		n.a.
T 28	19 17	13 55	3 43	21 37	1 58	1 44	2 19	24 25	0 42	1 18	1 10	23 29	0 13	15 10	0 48	22 34	0 2	15 16	5 48	0 43	1 14	4 6		n.a.
F 29	19 2	16 28	4 27	21 8	1 55	1 17	2 27	24 26	0 43	1 22	1 10	23 29	0 13	15 11	0 48	22 34	0 2	15 16	5 48	0 42	1 12	4 8		n.a.
S 30	18 47	18 4	4 55	20 37	1 52	0 50	2 35	24 26	0 43	1 26	1 10	23 29	0 13	15 12	0 48	22 34	0 2	15 16	5 48	0 40	1 11	4 10		n.a.
S 31	18s31	18s37	5n 6	20s 4	1s48	0s23	2n43	24s26	0s44	1n30	1s 9	23s29	0n13	15n12	0n48	22n35	0n 2	15s16	5n48	0s36	1s10	4n12		n.a.

Julian Day Number = 1641433.5, Delta T = 03h36m10s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'34, Lahiri = - 6°58'33 Julian Calendar 1 Jan. 219 BCE == Greg. Calendar 28 Dec. 220 BCE

The year -218 astronomical counting style corresponds to year 219 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

FEBRUARY 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 28 12	8♒50'44	12♑35	10♒31	23♓38	2♑50	6♈34	2♑27	21°R37	17°R34	2♐50	1°R22	2♎51	12♈35	n.a.	M 1
T 2	8 32 9	9°50'50	25°41	12°26	24°25	3°36	6°45	2°33	21♌34	17♋32	2°51	1♎12	2°47	12°42	n.a.	T 2
W 3	8 36 5	10°50'54	8♒33	14°22	25°11	4°22	6°55	2°39	21°32	17°31	2°52	1° 3	2°44	12°48	n.a.	W 3
T 4	8 40 2	11°50'55	21°10	16°18	25°56	5° 8	7° 6	2°46	21°29	17°29	2°53	0°55	2°41	12°55	n.a.	T 4
F 5	8 43 58	12°50'55	3♓33	18°14	26°40	5°54	7°17	2°52	21°26	17°28	2°54	0°49	2°38	13° 2	n.a.	F 5
S 6	8 47 55	13°50'52	15°43	20°12	27°23	6°41	7°28	2°58	21°24	17°26	2°55	0°46	2°35	13° 8	n.a.	S 6
S 7	8 51 52	14°50'47	27°42	22° 9	28° 5	7°27	7°39	3° 4	21°21	17°25	2°56	0°D45	2°32	13°15	n.a.	S 7
M 8	8 55 48	15°50'40	9♈33	24° 6	28°46	8°13	7°50	3° 9	21°19	17°23	2°57	0°45	2°28	13°22	n.a.	M 8
T 9	8 59 45	16°50'30	21°20	26° 3	29°26	8°59	8° 2	3°15	21°16	17°22	2°58	0°46	2°25	13°28	n.a.	T 9
W10	9 3 41	17°50'19	3♉ 9	27°59	0♈ 4	9°45	8°13	3°21	21°13	17°20	2°59	0°48	2°22	13°35	n.a.	W10
T 11	9 7 38	18°50'05	15° 3	29°54	0°41	10°31	8°24	3°27	21°11	17°19	3° 0	0°R49	2°19	13°42	n.a.	T 11
F 12	9 11 34	19°49'48	27° 9	1♓48	1°17	11°18	8°36	3°32	21° 8	17°18	3° 0	0°48	2°16	13°48	n.a.	F 12
S 13	9 15 31	20°49'29	9♊31	3°40	1°52	12° 4	8°48	3°38	21° 6	17°16	3° 1	0°47	2°12	13°55	n.a.	S 13
S 14	9 19 27	21°49'08	22°14	5°31	2°25	12°50	8°59	3°43	21° 3	17°15	3° 2	0°43	2° 9	14° 1	n.a.	S 14
M15	9 23 24	22°48'45	5♋21	7°19	2°56	13°36	9°11	3°49	21° 0	17°14	3° 3	0°38	2° 6	14° 8	n.a.	M15
T 16	9 27 21	23°48'19	18°53	9° 3	3°26	14°23	9°23	3°54	20°58	17°12	3° 3	0°32	2° 3	14°15	n.a.	T 16
W17	9 31 17	24°47'51	2♌50	10°45	3°55	15° 9	9°35	4° 0	20°55	17°11	3° 4	0°26	2° 0	14°21	n.a.	W17
T 18	9 35 14	25°47'21	17°10	12°22	4°21	15°55	9°47	4° 5	20°53	17°10	3° 5	0°21	1°57	14°28	n.a.	T 18
F 19	9 39 10	26°46'48	1♍46	13°56	4°46	16°41	9°59	4°10	20°50	17° 9	3° 5	0°17	1°53	14°35	n.a.	F 19
S 20	9 43 7	27°46'14	16°31	15°24	5°10	17°28	10°11	4°16	20°47	17° 7	3° 6	0°15	1°50	14°41	n.a.	S 20
S 21	9 47 3	28°45'37	1♎19	16°47	5°31	18°14	10°23	4°21	20°45	17° 6	3° 6	0°D14	1°47	14°48	n.a.	S 21
M22	9 51 0	29°44'58	16° 3	18° 5	5°50	19° 0	10°36	4°26	20°42	17° 5	3° 7	0°15	1°44	14°55	n.a.	M22
T 23	9 54 56	0♓44'17	0♏36	19°16	6° 8	19°46	10°48	4°31	20°40	17° 4	3° 7	0°16	1°41	15° 1	n.a.	T 23
W24	9 58 53	1°43'35	14°55	20°22	6°23	20°33	11° 1	4°36	20°37	17° 3	3° 8	0°18	1°37	15° 8	n.a.	W24
T 25	10 2 49	2°42'51	28°58	21°20	6°37	21°19	11°13	4°40	20°35	17° 2	3° 8	0°R19	1°34	15°15	n.a.	T 25
F 26	10 6 46	3°42'05	12♐44	22°12	6°48	22° 5	11°26	4°45	20°32	17° 1	3° 9	0°18	1°31	15°21	n.a.	F 26
S 27	10 10 43	4°41'17	26°13	22°57	6°57	22°51	11°38	4°50	20°30	17° 0	3° 9	0°17	1°28	15°28	n.a.	S 27
S 28	10 14 39	5♓40'27	9♑26	23♓35	7♈ 4	23♑38	11♈51	4♑55	20♌27	16♋59	3♐ 9	0♎14	1♎25	15♈35	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s15	18s 8	5n 0	19s29	1s44	0n 3	2n51	24s26	0s45	1n35	1s 9	23s29	0n13	15n13	0n48	22n35	0n 2	15s16	5n48	0s33	1s 9	4n14		n.a.
T 2	17 59	16 41	4 39	18 52	1 39	0 29	2 59	24 26	0 46	1 39	1 9	23 29	0 13	15 14	0 48	22 35	0 2	15 17	5 48	0 29	1 7	4 15		n.a.
W 3	17 43	14 25	4 4	18 13	1 34	0 55	3 7	24 25	0 46	1 44	1 9	23 29	0 13	15 15	0 48	22 35	0 2	15 17	5 48	0 25	1 6	4 17		n.a.
T 4	17 26	11 30	3 17	17 32	1 28	1 21	3 16	24 24	0 47	1 48	1 8	23 29	0 12	15 16	0 48	22 35	0 2	15 17	5 48	0 22	1 5	4 19		n.a.
F 5	17 9	8 7	2 22	16 50	1 21	1 47	3 24	24 23	0 48	1 53	1 8	23 29	0 12	15 17	0 48	22 36	0 2	15 17	5 49	0 20	1 3	4 21		n.a.
S 6	16 52	4 28	1 20	16 6	1 14	2 12	3 32	24 21	0 48	1 57	1 8	23 29	0 12	15 17	0 48	22 36	0 2	15 17	5 49	0 18	1 2	4 23		n.a.
S 7	16 34	0 40	0 17	15 20	1 6	2 36	3 41	24 19	0 49	2 2	1 8	23 29	0 12	15 18	0 48	22 36	0 2	15 17	5 49	0 18	1 1	4 24		n.a.
M 8	16 16	3n 6	0s48	14 33	0 58	3 0	3 50	24 17	0 50	2 7	1 8	23 29	0 12	15 19	0 48	22 36	0 2	15 17	5 49	0 18	1 0	4 26		n.a.
T 9	15 58	6 44	1 50	13 45	0 49	3 24	3 58	24 15	0 51	2 11	1 7	23 29	0 12	15 20	0 48	22 36	0 2	15 17	5 49	0 19	0 58	4 28		n.a.
W10	15 40	10 6	2 47	12 55	0 39	3 48	4 7	24 12	0 51	2 16	1 7	23 28	0 12	15 21	0 48	22 37	0 2	15 17	5 49	0 19	0 57	4 30		n.a.
T 11	15 21	13 5	3 38	12 5	0 29	4 11	4 16	24 10	0 52	2 21	1 7	23 28	0 12	15 22	0 48	22 37	0 2	15 18	5 49	0 20	0 56	4 32		n.a.
F 12	15 2	15 33	4 19	11 14	0 18	4 33	4 24	24 6	0 53	2 26	1 7	23 28	0 12	15 23	0 48	22 37	0 2	15 18	5 49	0 19	0 55	4 33		n.a.
S 13	14 43	17 21	4 50	10 22	0 6	4 55	4 33	24 3	0 53	2 30	1 7	23 28	0 12	15 23	0 48	22 37	0 2	15 18	5 49	0 19	0 53	4 35		n.a.
S 14	14 24	18 22	5 8	9 31	0n 6	5 16	4 42	23 59	0 54	2 35	1 6	23 28	0 12	15 24	0 48	22 37	0 2	15 18	5 49	0 17	0 52	4 37		n.a.
M15	14 4	18 27	5 10	8 39	0 18	5 37	4 51	23 55	0 55	2 40	1 6	23 28	0 12	15 25	0 48	22 38	0 2	15 18	5 49	0 15	0 51	4 39		n.a.
T 16	13 45	17 30	4 56	7 48	0 30	5 57	5 0	23 51	0 55	2 45	1 6	23 28	0 12	15 26	0 48	22 38	0 2	15 18	5 49	0 13	0 49	4 41		n.a.
W17	13 24	15 29	4 23	6 57	0 43	6 17	5 8	23 47	0 56	2 50	1 6	23 28	0 12	15 27	0 48	22 38	0 2	15 18	5 50	0 11	0 48	4 42		n.a.
T 18	13 4	12 29	3 34	6 8	0 56	6 35	5 17	23 42	0 57	2 55	1 6	23 28	0 12	15 28	0 48	22 38	0 2	15 18	5 50	0 9	0 47	4 44		n.a.
F 19	12 44	8 39	2 30	5 20	1 10	6 53	5 26	23 37	0 57	3 0	1 5	23 28	0 12	15 29	0 48	22 38	0 2	15 18	5 50	0 7	0 46	4 46		n.a.
S 20	12 23	4 14	1 14	4 33	1 23	7 11	5 34	23 31	0 58	3 5	1 5	23 28	0 11	15 29	0 48	22 38	0 2	15 18	5 50	0 6	0 44	4 48		n.a.
S 21	12 2	0s26	0n 6	3 49	1 36	7 27	5 43	23 26	0 59	3 10	1 5	23 27	0 11	15 30	0 48	22 39	0 2	15 18	5 50	0 6	0 43	4 50		n.a.
M22	11 42	5 4	1 26	3 6	1 49	7 43	5 52	23 20	0 59	3 15	1 5	23 27	0 11	15 31	0 48	22 39	0 2	15 18	5 50	0 6	0 42	4 52		n.a.
T 23	11 20	9 20	2 39	2 26	2 1	7 57	6 0	23 14	1 0	3 20	1 5	23 27	0 11	15 32	0 48	22 39	0 2	15 18	5 50	0 7	0 40	4 53		n.a.
W24	10 59	12 59	3 41	1 49	2 13	8 11	6 8	23 8	1 1	3 25	1 5	23 27	0 11	15 33	0 48	22 39	0 2	15 18	5 50	0 7	0 39	4 55		n.a.
T 25	10 38	15 47	4 29	1 15	2 25	8 24	6 17	23 1	1 1	3 30	1 4	23 27	0 11	15 33	0 48	22 39	0 2	15 18	5 50	0 8	0 38	4 57		n.a.
F 26	10 16	17 38	5 0	0 45	2 36	8 36	6 25	22 54	1 2	3 35	1 4	23 27	0 11	15 34	0 48	22 39	0 2	15 18	5 50	0 7	0 37	4 59		n.a.
S 27	9 54	18 26	5 14	0 17	2 46	8 47	6 32	22 47	1 3	3 40	1 4	23 27	0 11	15 35	0 48	22 39	0 2	15 18	5 50	0 7	0 35	5 0		n.a.
S 28	9s32	18s13	5n10	0n 6	2n56	8n56	6n40	22s40	1s 3	3n46	1s 4	23s27	0n11	15n36	0n48	22n40	0n 2	15s18	5n50	0s 6	0s34	5n 2		n.a.

Julian Day Number = 1641464.5, Delta T = 03h36m09s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'30, Lahiri = - 6°58'29 Julian Calendar 1 Feb. 219 BCE == Greg. Calendar 28 Jan. 219 BCE

The year -218 astronomical counting style corresponds to year 219 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

MARCH 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 18 36	6♓39'35	22♉24	24♓ 5	7♈ 8	24♉24	12♈ 4	4♉59	20°R25	16°R58	3♐10	0°R11	1♎22	15♈41	n.a.	M 1
T 2	10 22 32	7°38'42	5♒ 8	24°29	7°R11	25°10	12°17	5° 4	20♌22	16♋57	3°10	0♎ 7	1°18	15°48	n.a.	T 2
W 3	10 26 29	8°37'46	17°39	24°45	7°10	25°57	12°30	5° 8	20°20	16°56	3°10	0° 4	1°15	15°55	n.a.	W 3
T 4	10 30 25	9°36'48	29°59	24°54	7° 8	26°43	12°43	5°12	20°17	16°55	3°10	0° 1	1°12	16° 1	n.a.	T 4
F 5	10 34 22	10°35'48	12♓ 8	24°R55	7° 3	27°29	12°56	5°17	20°15	16°54	3°10	29♍59	1° 9	16° 8	n.a.	F 5
S 6	10 38 18	11°34'46	24° 8	24°50	6°55	28°15	13° 9	5°21	20°12	16°53	3°10	29°D58	1° 6	16°14	n.a.	S 6
S 7	10 42 15	12°33'42	6♈ 1	24°39	6°45	29° 2	13°22	5°25	20°10	16°52	3°11	29°58	1° 3	16°21	n.a.	S 7
M 8	10 46 12	13°32'36	17°50	24°21	6°33	29°48	13°35	5°29	20° 8	16°52	3°11	29°59	0°59	16°28	n.a.	M 8
T 9	10 50 8	14°31'27	29°37	23°57	6°18	0♒34	13°48	5°33	20° 5	16°51	3°R11	0♎ 0	0°56	16°34	n.a.	T 9
W10	10 54 5	15°30'16	11♉27	23°28	6° 0	1°20	14° 1	5°37	20° 3	16°50	3°11	0° 1	0°53	16°41	n.a.	W10
T 11	10 58 1	16°29'03	23°22	22°55	5°40	2° 7	14°15	5°41	20° 1	16°49	3°11	0° 3	0°50	16°48	n.a.	T 11
F 12	11 1 58	17°27'47	5♊27	22°18	5°18	2°53	14°28	5°44	19°59	16°49	3°11	0° 4	0°47	16°54	n.a.	F 12
S 13	11 5 54	18°26'29	17°47	21°38	4°54	3°39	14°41	5°48	19°56	16°48	3°10	0°R 4	0°43	17° 1	n.a.	S 13
S 14	11 9 51	19°25'09	0♋26	20°55	4°27	4°25	14°55	5°52	19°54	16°48	3°10	0° 4	0°40	17° 8	n.a.	S 14
M15	11 13 47	20°23'47	13°28	20°11	3°59	5°11	15° 8	5°55	19°52	16°47	3°10	0° 3	0°37	17°14	n.a.	M15
T 16	11 17 44	21°22'22	26°56	19°27	3°28	5°57	15°22	5°58	19°50	16°46	3°10	0° 2	0°34	17°21	n.a.	T 16
W17	11 21 40	22°20'55	10♌51	18°42	2°56	6°44	15°35	6° 2	19°48	16°46	3°10	0° 1	0°31	17°28	n.a.	W17
T 18	11 25 37	23°19'26	25°12	17°59	2°23	7°30	15°49	6° 5	19°46	16°45	3°10	0° 0	0°28	17°34	n.a.	T 18
F 19	11 29 34	24°17'54	9♍56	17°18	1°48	8°16	16° 3	6° 8	19°44	16°45	3° 9	29♍59	0°24	17°41	n.a.	F 19
S 20	11 33 30	25°16'21	24°55	16°39	1°12	9° 2	16°16	6°11	19°42	16°45	3° 9	29°D59	0°21	17°48	n.a.	S 20
S 21	11 37 27	26°14'45	10♎ 1	16° 3	0°35	9°48	16°30	6°14	19°40	16°44	3° 9	29°59	0°18	17°54	n.a.	S 21
M22	11 41 23	27°13'07	25° 6	15°30	29♓57	10°34	16°44	6°17	19°38	16°44	3° 8	29°59	0°15	18° 1	n.a.	M22
T 23	11 45 20	28°11'28	10♏ 2	15° 2	29°19	11°20	16°57	6°20	19°36	16°44	3° 8	29°59	0°12	18° 8	n.a.	T 23
W24	11 49 16	29° 9'47	24°40	14°38	28°41	12° 6	17°11	6°22	19°34	16°43	3° 7	0♎ 0	0° 8	18°14	n.a.	W24
T 25	11 53 13	0♈ 8'05	8♐57	14°19	28° 3	12°52	17°25	6°25	19°33	16°43	3° 7	0°R 0	0° 5	18°21	n.a.	T 25
F 26	11 57 9	1° 6'21	22°50	14° 4	27°25	13°38	17°39	6°27	19°31	16°43	3° 6	0° 0	0° 2	18°27	n.a.	F 26
S 27	12 1 6	2° 4'35	6♉19	13°55	26°48	14°24	17°53	6°30	19°29	16°43	3° 6	0°D 0	29♍59	18°34	n.a.	S 27
S 28	12 5 3	3° 2'48	19°26	13°D50	26°12	15°10	18° 6	6°32	19°27	16°42	3° 5	0° 0	29°56	18°41	n.a.	S 28
M29	12 8 59	4° 0'59	2♒13	13°50	25°37	15°56	18°20	6°34	19°26	16°42	3° 5	0° 0	29°53	18°47	n.a.	M29
T 30	12 12 56	4°59'08	14°43	13°56	25° 3	16°42	18°34	6°37	19°24	16°42	3° 4	0° 1	29°49	18°54	n.a.	T 30
W31	12 16 52	5♈57'16	27♒ 0	14♓ 6	24♓30	17♒28	18♈48	6♉39	19♌23	16♋42	3♐ 4	0♎ 2	29♍46	19♈ 1	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	9s10	17s 3	4n51	0n26	3n 4	9n 5	6n47	22s32	1s 4	3n51	1s 4	23s27	0n11	15n37	0n48	22n40	0n 2	15s18	5n51	0s 4	0s33	5n 4			n.a.
T 2	8 48	15 2	4 18	0 42	3 11	9 12	6 54	22 24	1 5	3 56	1 4	23 26	0 11	15 37	0 48	22 40	0 2	15 18	5 51	0 3	0 32	5 6			n.a.
W 3	8 26	12 21	3 33	0 55	3 18	9 18	7 1	22 16	1 5	4 1	1 3	23 26	0 11	15 38	0 48	22 40	0 2	15 18	5 51	0 2	0 30	5 8			n.a.
T 4	8 3	9 9	2 38	1 3	3 23	9 23	7 8	22 8	1 6	4 7	1 3	23 26	0 11	15 39	0 48	22 40	0 2	15 18	5 51	0 0	0 29	5 9			n.a.
F 5	7 41	5 36	1 37	1 7	3 26	9 27	7 14	22 0	1 6	4 12	1 3	23 26	0 11	15 40	0 48	22 40	0 2	15 18	5 51	0n 0	0 28	5 11			n.a.
S 6	7 18	1 52	0 32	1 7	3 29	9 29	7 19	21 51	1 7	4 17	1 3	23 26	0 11	15 40	0 48	22 40	0 2	15 18	5 51	0 1	0 26	5 13			n.a.
S 7	6 55	1n54	0s33	1 3	3 29	9 30	7 25	21 42	1 8	4 22	1 3	23 26	0 11	15 41	0 48	22 40	0 2	15 18	5 51	0 1	0 25	5 15			n.a.
M 8	6 33	5 35	1 37	0 55	3 29	9 29	7 29	21 33	1 8	4 28	1 3	23 26	0 10	15 42	0 48	22 41	0 2	15 18	5 51	0 0	0 24	5 17			n.a.
T 9	6 10	9 1	2 37	0 43	3 26	9 27	7 33	21 23	1 9	4 33	1 2	23 26	0 10	15 43	0 48	22 41	0 2	15 17	5 51	0s 0	0 23	5 18			n.a.
W10	5 47	12 7	3 30	0 28	3 22	9 23	7 37	21 13	1 10	4 38	1 2	23 26	0 10	15 43	0 48	22 41	0 2	15 17	5 51	0 1	0 21	5 20			n.a.
T 11	5 24	14 43	4 15	0 10	3 16	9 18	7 40	21 4	1 10	4 44	1 2	23 26	0 10	15 44	0 48	22 41	0 2	15 17	5 51	0 1	0 20	5 22			n.a.
F 12	5 1	16 43	4 49	0s12	3 9	9 11	7 42	20 53	1 11	4 49	1 2	23 25	0 10	15 45	0 48	22 41	0 2	15 17	5 52	0 1	0 19	5 24			n.a.
S 13	4 37	18 0	5 10	0 36	3 0	9 3	7 44	20 43	1 11	4 54	1 2	23 25	0 10	15 46	0 48	22 41	0 2	15 17	5 52	0 2	0 17	5 26			n.a.
S 14	4 14	18 26	5 17	1 2	2 50	8 53	7 45	20 33	1 12	5 0	1 2	23 25	0 10	15 46	0 48	22 41	0 2	15 17	5 52	0 1	0 16	5 27			n.a.
M15	3 51	17 54	5 9	1 30	2 39	8 42	7 45	20 22	1 12	5 5	1 2	23 25	0 10	15 47	0 48	22 41	0 2	15 17	5 52	0 1	0 15	5 29			n.a.
T 16	3 28	16 23	4 43	1 59	2 26	8 29	7 45	20 11	1 13	5 10	1 2	23 25	0 10	15 48	0 48	22 41	0 2	15 17	5 52	0 1	0 14	5 31			n.a.
W17	3 4	13 51	4 1	2 30	2 12	8 15	7 43	20 0	1 14	5 16	1 1	23 25	0 10	15 48	0 48	22 41	0 2	15 17	5 52	0 0	0 12	5 33			n.a.
T 18	2 41	10 25	3 2	3 0	1 58	7 59	7 41	19 48	1 14	5 21	1 1	23 25	0 10	15 49	0 48	22 41	0 2	15 17	5 52	0 0	0 11	5 34			n.a.
F 19	2 17	6 15	1 49	3 31	1 42	7 42	7 38	19 37	1 15	5 27	1 1	23 25	0 10	15 49	0 48	22 42	0 2	15 16	5 52	0n 0	0 10	5 36			n.a.
S 20	1 54	1 37	0 28	4 0	1 26	7 24	7 34	19 25	1 15	5 32	1 1	23 25	0 10	15 50	0 48	22 42	0 2	15 16	5 52	0 0	0 9	5 38			n.a.
S 21	1 31	3s10	0n56	4 29	1 10	7 5	7 29	19 13	1 16	5 37	1 1	23 25	0 10	15 51	0 48	22 42	0 2	15 16	5 52	0 0	0 7	5 40			n.a.
M22	1 7	7 44	2 15	4 57	0 54	6 44	7 23	19 1	1 16	5 43	1 1	23 25	0 10	15 51	0 48	22 42	0 2	15 16	5 52	0 0	0 6	5 42			n.a.
T 23	0 44	11 45	3 25	5 23	0 38	6 23	7 17	18 49	1 17	5 48	1 1	23 25	0 9	15 52	0 48	22 42	0 2	15 16	5 52	0 0	0 5	5 43			n.a.
W24	0 20	14 58	4 20	5 48	0 21	6 1	7 9	18 36	1 17	5 54	1 1	23 24	0 9	15 52	0 48	22 42	0 2	15 16	5 52	0s 0	0 3	5 45			n.a.
T 25	0n 3	17 10	4 57	6 10	0 5	5 38	7 1	18 23	1 18	5 59	1 0	23 24	0 9	15 53	0 47	22 42	0 2	15 16	5 53	0 0	0 2	5 47			n.a.
F 26	0 27	18 16	5 16	6 30	0s10	5 15	6 52	18 11	1 18	6 5	1 0	23 24	0 9	15 53	0 47	22 42	0 2	15 15	5 53	0 0	0 1	5 49			n.a.
S 27	0 50	18 18	5 16	6 48	0 26	4 52	6 43	17 57	1 19	6 10	1 0	23 24	0 9	15 54	0 47	22 42	0 2	15 15	5 53	0 0	0n 0	5 50			n.a.
S 28	1 14	17 21	5 0	7 3	0 40	4 28	6 32	17 44	1 19	6 15	1 0	23 24	0 9	15 54	0 47	22 42	0 2	15 15	5 53	0 0	0 2	5 52			n.a.
M29	1 37	15 31	4 29	7 16	0 54	4 4	6 22	17 31	1 20	6 21	1 0	23 24	0 9	15 55	0 47	22 42	0 2	15 15	5 53	0 0	0 3	5 54			n.a.
T 30	2 0	13 0	3 46	7 26	1 8	3 40	6 10	17 17	1 20	6 26	1 0	23 24	0 9	15 55	0 47	22 42	0 2	15 15	5 53	0 0	0 4	5 56			n.a.
W31	2n23	9s56	2n54	7s34	1s20	3n16	5n58	17s 4	1s21	6n32	1s 0	23s24	0n 9	15n56	0n47	22n42	0n 2	15s14	5n53	0s 1	0n 6	5n58			n.a.

Julian Day Number = 1641492.5, Delta T = 03h36m08s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'26, Lahiri = - 6°58'25 Julian Calendar 1 March 219 BCE == Greg. Calendar 25 Feb. 219 BCE

The year -218 astronomical counting style corresponds to year 219 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

APRIL 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 20 49	6♈55'22	9♓ 5	14♓20	24°R 0	18♒13	19♈ 2	6♉41	19°R21	16°D42	3°R 3	0♎ 2	29♍43	19♈ 7	n.a.	T 1
F 2	12 24 45	7°53'27	21° 3	14°40	23♓31	18°59	19°16	6°42	19♌20	16♋42	3♐ 2	0° 3	29°40	19°14	n.a.	F 2
S 3	12 28 42	8°51'30	2♈55	15° 3	23° 4	19°45	19°30	6°44	19°18	16°42	3° 1	0°R 3	29°37	19°21	n.a.	S 3
S 4	12 32 38	9°49'31	14°43	15°31	22°39	20°31	19°44	6°46	19°17	16°42	3° 1	0° 2	29°34	19°27	n.a.	S 4
M 5	12 36 35	10°47'31	26°31	16° 4	22°16	21°16	19°58	6°47	19°16	16°42	3° 0	0° 1	29°30	19°34	n.a.	M 5
T 6	12 40 31	11°45'28	8♉20	16°40	21°56	22° 2	20°12	6°49	19°14	16°43	2°59	29♍59	29°27	19°41	n.a.	T 6
W 7	12 44 28	12°43'24	20°12	17°20	21°38	22°48	20°26	6°50	19°13	16°43	2°58	29°58	29°24	19°47	n.a.	W 7
T 8	12 48 25	13°41'19	2♊11	18° 4	21°22	23°33	20°40	6°52	19°12	16°43	2°57	29°56	29°21	19°54	n.a.	T 8
F 9	12 52 21	14°39'11	14°19	18°51	21° 8	24°19	20°54	6°53	19°11	16°43	2°57	29°54	29°18	20° 1	n.a.	F 9
S 10	12 56 18	15°37'02	26°40	19°42	20°57	25° 5	21° 8	6°54	19°10	16°43	2°56	29°53	29°14	20° 7	n.a.	S 10
S 11	13 0 14	16°34'50	9♋18	20°36	20°49	25°50	21°22	6°55	19° 9	16°44	2°55	29°52	29°11	20°14	n.a.	S 11
M12	13 4 11	17°32'37	22°15	21°33	20°43	26°36	21°37	6°56	19° 8	16°44	2°54	29°D52	29° 8	20°21	n.a.	M12
T 13	13 8 7	18°30'23	5♌36	22°33	20°39	27°21	21°51	6°56	19° 7	16°44	2°53	29°53	29° 5	20°27	n.a.	T 13
W14	13 12 4	19°28'06	19°22	23°37	20°D37	28° 6	22° 5	6°57	19° 6	16°45	2°52	29°54	29° 2	20°34	n.a.	W14
T 15	13 16 0	20°25'47	3♍34	24°43	20°38	28°52	22°19	6°58	19° 5	16°45	2°51	29°55	28°59	20°41	n.a.	T 15
F 16	13 19 57	21°23'27	18°10	25°52	20°42	29°37	22°33	6°58	19° 4	16°46	2°50	29°56	28°55	20°47	n.a.	F 16
S 17	13 23 54	22°21'05	3♎ 7	27° 4	20°47	0♓22	22°47	6°59	19° 3	16°46	2°49	29°R56	28°52	20°54	n.a.	S 17
S 18	13 27 50	23°18'42	18°16	28°18	20°55	1° 8	23° 1	6°59	19° 3	16°47	2°48	29°56	28°49	21° 1	n.a.	S 18
M19	13 31 47	24°16'17	3♏31	29°35	21° 5	1°53	23°15	6°59	19° 2	16°47	2°47	29°54	28°46	21° 7	n.a.	M19
T 20	13 35 43	25°13'52	18°39	0♈54	21°17	2°38	23°29	6°59	19° 1	16°48	2°45	29°51	28°43	21°14	n.a.	T 20
W21	13 39 40	26°11'25	3♐32	2°17	21°31	3°23	23°43	6°R59	19° 1	16°49	2°44	29°47	28°40	21°20	n.a.	W21
T 22	13 43 36	27° 8'56	18° 3	3°41	21°47	4° 8	23°57	6°59	19° 0	16°49	2°43	29°44	28°36	21°27	n.a.	T 22
F 23	13 47 33	28° 6'27	2♑ 7	5° 8	22° 5	4°53	24°11	6°59	19° 0	16°50	2°42	29°41	28°33	21°34	n.a.	F 23
S 24	13 51 29	29° 3'57	15°43	6°37	22°25	5°38	24°25	6°59	19° 0	16°51	2°41	29°39	28°30	21°40	n.a.	S 24
S 25	13 55 26	0♉ 1'26	28°52	8° 9	22°46	6°23	24°40	6°58	18°59	16°51	2°40	29°D38	28°27	21°47	n.a.	S 25
M26	13 59 23	0°58'54	11♒37	9°43	23°10	7° 8	24°54	6°58	18°59	16°52	2°38	29°39	28°24	21°54	n.a.	M26
T 27	14 3 19	1°56'21	24° 1	11°20	23°35	7°53	25° 8	6°57	18°59	16°53	2°37	29°40	28°20	22° 0	n.a.	T 27
W28	14 7 16	2°53'48	6♓10	12°59	24° 2	8°38	25°22	6°57	18°59	16°54	2°36	29°42	28°17	22° 7	n.a.	W28
T 29	14 11 12	3°51'13	18° 8	14°40	24°30	9°22	25°36	6°56	18°58	16°55	2°34	29°43	28°14	22°14	n.a.	T 29
F 30	14 15 9	4♉48'38	29♓59	16♈24	24♓59	10♓ 7	25♈50	6♉55	18♌58	16♋56	2♐33	29°R44	28♍11	22♈20	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n47	6s30	1n54	7s39	1s32	2n52	5n46	16s50	1s21	6n37	1s 0	23s24	0n 9	15n56	0n47	22n42	0n 2	15s14	5n53	0s 1	0n 7	5n59		n.a.
F 2	3 10	2 50	0 50	7 42	1 43	2 29	5 33	16 36	1 22	6 43	1 0	23 24	0 9	15 57	0 47	22 42	0 2	15 14	5 53	0 1	0 8	6 1		n.a.
S 3	3 33	0n56	0s16	7 42	1 54	2 6	5 20	16 22	1 22	6 48	1 0	23 24	0 9	15 57	0 47	22 42	0 2	15 14	5 53	0 1	0 9	6 3		n.a.
S 4	3 56	4 38	1 21	7 40	2 3	1 44	5 7	16 7	1 23	6 53	0 59	23 24	0 9	15 58	0 47	22 42	0 2	15 14	5 53	0 1	0 11	6 5		n.a.
M 5	4 19	8 9	2 22	7 35	2 12	1 23	4 53	15 53	1 23	6 59	0 59	23 24	0 9	15 58	0 47	22 42	0 2	15 14	5 53	0 1	0 12	6 6		n.a.
T 6	4 42	11 21	3 17	7 28	2 20	1 2	4 39	15 38	1 24	7 4	0 59	23 24	0 9	15 58	0 47	22 42	0 2	15 13	5 53	0n 0	0 13	6 8		n.a.
W 7	5 5	14 5	4 4	7 19	2 27	0 42	4 26	15 24	1 24	7 10	0 59	23 24	0 8	15 59	0 47	22 42	0 2	15 13	5 53	0 1	0 14	6 10		n.a.
T 8	5 28	16 16	4 40	7 8	2 34	0 23	4 12	15 9	1 24	7 15	0 59	23 24	0 8	15 59	0 47	22 42	0 2	15 13	5 53	0 2	0 16	6 12		n.a.
F 9	5 50	17 44	5 5	6 54	2 40	0 5	3 58	14 54	1 25	7 20	0 59	23 24	0 8	15 59	0 47	22 42	0 2	15 13	5 53	0 2	0 17	6 13		n.a.
S 10	6 13	18 25	5 16	6 39	2 45	0s12	3 44	14 39	1 25	7 26	0 59	23 24	0 8	16 0	0 47	22 42	0 2	15 13	5 53	0 3	0 18	6 15		n.a.
S 11	6 35	18 12	5 12	6 21	2 49	0 28	3 30	14 24	1 26	7 31	0 59	23 24	0 8	16 0	0 47	22 42	0 3	15 12	5 53	0 3	0 20	6 17		n.a.
M12	6 58	17 3	4 53	6 1	2 52	0 43	3 17	14 8	1 26	7 37	0 59	23 24	0 8	16 0	0 47	22 42	0 3	15 12	5 54	0 3	0 21	6 19		n.a.
T 13	7 20	14 56	4 17	5 40	2 55	0 57	3 3	13 53	1 26	7 42	0 59	23 24	0 8	16 1	0 47	22 42	0 3	15 12	5 54	0 3	0 22	6 21		n.a.
W14	7 42	11 56	3 26	5 16	2 57	1 9	2 50	13 37	1 27	7 47	0 59	23 24	0 8	16 1	0 47	22 42	0 3	15 12	5 54	0 2	0 23	6 22		n.a.
T 15	8 4	8 8	2 21	4 51	2 59	1 21	2 37	13 22	1 27	7 53	0 59	23 24	0 8	16 1	0 47	22 42	0 3	15 11	5 54	0 2	0 25	6 24		n.a.
F 16	8 26	3 45	1 5	4 24	2 59	1 32	2 24	13 6	1 27	7 58	0 59	23 24	0 8	16 1	0 47	22 42	0 3	15 11	5 54	0 2	0 26	6 26		n.a.
S 17	8 48	0s59	0n17	3 55	2 59	1 41	2 11	12 50	1 28	8 3	0 58	23 24	0 8	16 1	0 47	22 42	0 3	15 11	5 54	0 1	0 27	6 28		n.a.
S 18	9 10	5 43	1 39	3 25	2 59	1 49	1 59	12 34	1 28	8 9	0 58	23 24	0 8	16 2	0 47	22 42	0 3	15 11	5 54	0 2	0 29	6 29		n.a.
M19	9 31	10 6	2 55	2 53	2 57	1 56	1 47	12 18	1 28	8 14	0 58	23 24	0 8	16 2	0 47	22 42	0 3	15 11	5 54	0 3	0 30	6 31		n.a.
T 20	9 52	13 47	3 57	2 19	2 56	2 3	1 35	12 2	1 29	8 19	0 58	23 24	0 8	16 2	0 47	22 42	0 3	15 10	5 54	0 4	0 31	6 33		n.a.
W21	10 14	16 29	4 42	1 43	2 53	2 8	1 23	11 46	1 29	8 25	0 58	23 24	0 7	16 2	0 47	22 41	0 3	15 10	5 54	0 5	0 32	6 35		n.a.
T 22	10 35	18 4	5 8	1 7	2 50	2 12	1 12	11 30	1 29	8 30	0 58	23 25	0 7	16 2	0 47	22 41	0 3	15 10	5 54	0 7	0 34	6 36		n.a.
F 23	10 55	18 28	5 14	0 28	2 46	2 15	1 1	11 13	1 30	8 35	0 58	23 25	0 7	16 2	0 47	22 41	0 3	15 10	5 54	0 8	0 35	6 38		n.a.
S 24	11 16	17 47	5 2	0n11	2 42	2 17	0 50	10 57	1 30	8 41	0 58	23 25	0 7	16 2	0 46	22 41	0 3	15 9	5 54	0 9	0 36	6 40		n.a.
S 25	11 37	16 9	4 34	0 53	2 37	2 18	0 40	10 40	1 30	8 46	0 58	23 25	0 7	16 2	0 46	22 41	0 3	15 9	5 54	0 9	0 37	6 42		n.a.
M26	11 57	13 46	3 54	1 35	2 31	2 17	0 30	10 24	1 31	8 51	0 58	23 25	0 7	16 2	0 46	22 41	0 3	15 9	5 54	0 9	0 39	6 43		n.a.
T 27	12 17	10 47	3 3	2 19	2 25	2 17	0 20	10 7	1 31	8 56	0 58	23 25	0 7	16 3	0 46	22 41	0 3	15 9	5 54	0 8	0 40	6 45		n.a.
W28	12 37	7 25	2 5	3 4	2 19	2 15	0 10	9 50	1 31	9 1	0 58	23 25	0 7	16 3	0 46	22 41	0 3	15 8	5 54	0 7	0 41	6 47		n.a.
T 29	12 57	3 47	1 3	3 50	2 11	2 12	0 1	9 33	1 31	9 7	0 58	23 25	0 7	16 3	0 46	22 41	0 3	15 8	5 54	0 7	0 43	6 49		n.a.
F 30	13n17	0s 2	0s 1	4n37	2s 4	2s 8	0s 8	9s16	1s32	9n12	0s58	23s25	0n 7	16n 3	0n46	22n41	0n 3	15s 8	5n54	0n 7	0n44	6n50		n.a.

Julian Day Number = 1641523.5, Delta T = 03h36m07s
Ecliptic obliquity = 23°43'10, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'22, Lahiri = - 6°58'21 Julian Calendar 1 Apr. 219 BCE == Greg. Calendar 28 March 219 BCE

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

MAY 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 19 5	5♉46'01	11♈47	18♈10	25♓31	10♓52	26♈ 4	6°R54	18°D58	16♋57	2°R32	29°R43	28♍ 8	22♈27	n.a.	S 1
S 2	14 23 2	6°43'24	23°34	19°58	26° 3	11°36	26°18	6♏53	18♌58	16°58	2♐30	29♍40	28° 5	22°34	n.a.	S 2
M 3	14 26 58	7°40'46	5♉23	21°49	26°37	12°21	26°31	6°52	18°58	16°59	2°29	29°36	28° 1	22°40	n.a.	M 3
T 4	14 30 55	8°38'07	17°17	23°41	27°12	13° 5	26°45	6°51	18°59	17° 0	2°28	29°30	27°58	22°47	n.a.	T 4
W 5	14 34 52	9°35'27	29°16	25°36	27°48	13°50	26°59	6°50	18°59	17° 1	2°26	29°23	27°55	22°54	n.a.	W 5
T 6	14 38 48	10°32'46	11♊24	27°34	28°26	14°34	27°13	6°48	18°59	17° 2	2°25	29°16	27°52	23° 0	n.a.	T 6
F 7	14 42 45	11°30'04	23°40	29°33	29° 5	15°18	27°27	6°47	18°59	17° 3	2°24	29° 9	27°49	23° 7	n.a.	F 7
S 8	14 46 41	12°27'21	6♋ 9	1♉34	29°44	16° 2	27°41	6°45	19° 0	17° 4	2°22	29° 3	27°45	23°14	n.a.	S 8
S 9	14 50 38	13°24'37	18°51	3°38	0♈25	16°47	27°55	6°43	19° 0	17° 5	2°21	28°58	27°42	23°20	n.a.	S 9
M10	14 54 34	14°21'52	1♌48	5°43	1° 7	17°31	28° 8	6°42	19° 1	17° 6	2°19	28°56	27°39	23°27	n.a.	M10
T 11	14 58 31	15°19'06	15° 5	7°49	1°50	18°15	28°22	6°40	19° 1	17° 8	2°18	28°D55	27°36	23°34	n.a.	T 11
W12	15 2 27	16°16'19	28°42	9°58	2°33	18°59	28°36	6°38	19° 2	17° 9	2°16	28°55	27°33	23°40	n.a.	W12
T 13	15 6 24	17°13'31	12♍42	12° 7	3°18	19°43	28°50	6°36	19° 2	17°10	2°15	28°56	27°30	23°47	n.a.	T 13
F 14	15 10 21	18°10'42	27° 5	14°17	4° 3	20°26	29° 3	6°34	19° 3	17°11	2°13	28°R57	27°26	23°54	n.a.	F 14
S 15	15 14 17	19° 7'53	11♎47	16°28	4°49	21°10	29°17	6°31	19° 4	17°13	2°12	28°56	27°23	24° 0	n.a.	S 15
S 16	15 18 14	20° 5'02	26°46	18°39	5°36	21°54	29°30	6°29	19° 5	17°14	2°10	28°54	27°20	24° 7	n.a.	S 16
M17	15 22 10	21° 2'11	11♏52	20°51	6°24	22°38	29°44	6°27	19° 5	17°16	2° 9	28°49	27°17	24°14	n.a.	M17
T 18	15 26 7	21°59'20	26°58	23° 3	7°13	23°21	29°57	6°24	19° 6	17°17	2° 7	28°42	27°14	24°20	n.a.	T 18
W19	15 30 3	22°56'28	11♐54	25°14	8° 2	24° 5	0♉11	6°22	19° 7	17°18	2° 6	28°34	27°11	24°27	n.a.	W19
T 20	15 34 0	23°53'35	26°30	27°24	8°52	24°48	0°24	6°19	19° 8	17°20	2° 4	28°26	27° 7	24°34	n.a.	T 20
F 21	15 37 56	24°50'43	10♑40	29°34	9°43	25°32	0°38	6°16	19° 9	17°21	2° 3	28°19	27° 4	24°40	n.a.	F 21
S 22	15 41 53	25°47'50	24°22	1♊42	10°34	26°15	0°51	6°14	19°10	17°23	2° 1	28°13	27° 1	24°47	n.a.	S 22
S 23	15 45 50	26°44'58	7♒35	3°50	11°26	26°58	1° 5	6°11	19°11	17°24	2° 0	28° 9	26°58	24°54	n.a.	S 23
M24	15 49 46	27°42'05	20°23	5°56	12°19	27°41	1°18	6° 8	19°13	17°26	1°58	28° 7	26°55	25° 0	n.a.	M24
T 25	15 53 43	28°39'12	2♓48	8° 0	13°12	28°24	1°31	6° 5	19°14	17°28	1°57	28°D 7	26°51	25° 7	n.a.	T 25
W26	15 57 39	29°36'19	14°56	10° 2	14° 5	29° 7	1°44	6° 2	19°15	17°29	1°55	28° 8	26°48	25°14	n.a.	W26
T 27	16 1 36	0♊33'27	26°52	12° 3	15° 0	29°50	1°57	5°59	19°17	17°31	1°54	28°R 8	26°45	25°20	n.a.	T 27
F 28	16 5 32	1°30'34	8♈41	14° 2	15°54	0♈33	2°11	5°55	19°18	17°32	1°52	28° 8	26°42	25°27	n.a.	F 28
S 29	16 9 29	2°27'41	20°27	15°59	16°49	1°16	2°24	5°52	19°19	17°34	1°50	28° 5	26°39	25°34	n.a.	S 29
S 30	16 13 25	3°24'49	2♉16	17°54	17°45	1°59	2°37	5°49	19°21	17°36	1°49	28° 0	26°36	25°40	n.a.	S 30
M31	16 17 22	4♊21'56	14♉10	19♊47	18♈41	2♈41	2♉50	5♏45	19♌22	17♋37	1♐47	27♍53	26♍32	25♈47	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n36	3n43	1s 5	5n25	1s56	2s 4	0s17	8s59	1s32	9n17	0s58	23s25	0n 7	16n 2	0n46	22n41	0n 3	15s 8	5n54	0n 7	0n45	6n52		n.a.
S 2	13 55	7 18	2 6	6 15	1 47	1 58	0 25	8 43	1 32	9 22	0 58	23 26	0 7	16 2	0 46	22 40	0 3	15 7	5 54	0 8	0 46	6 54		n.a.
M 3	14 14	10 37	3 2	7 5	1 38	1 52	0 33	8 25	1 32	9 27	0 58	23 26	0 7	16 2	0 46	22 40	0 3	15 7	5 54	0 10	0 48	6 56		n.a.
T 4	14 33	13 31	3 50	7 55	1 29	1 45	0 41	8 8	1 32	9 32	0 58	23 26	0 7	16 2	0 46	22 40	0 3	15 7	5 54	0 12	0 49	6 57		n.a.
W 5	14 51	15 52	4 28	8 47	1 19	1 38	0 49	7 51	1 33	9 37	0 58	23 26	0 6	16 2	0 46	22 40	0 3	15 7	5 54	0 15	0 50	6 59		n.a.
T 6	15 9	17 33	4 55	9 39	1 9	1 29	0 56	7 34	1 33	9 43	0 58	23 26	0 6	16 2	0 46	22 40	0 3	15 6	5 54	0 18	0 52	7 1		n.a.
F 7	15 28	18 26	5 8	10 31	0 59	1 20	1 3	7 17	1 33	9 48	0 58	23 26	0 6	16 2	0 46	22 40	0 3	15 6	5 54	0 21	0 53	7 3		n.a.
S 8	15 45	18 28	5 7	11 24	0 49	1 10	1 10	7 0	1 33	9 53	0 57	23 27	0 6	16 2	0 46	22 40	0 3	15 6	5 54	0 23	0 54	7 4		n.a.
S 9	16 3	17 34	4 51	12 17	0 38	1 0	1 17	6 43	1 33	9 58	0 57	23 27	0 6	16 2	0 46	22 40	0 3	15 6	5 54	0 25	0 55	7 6		n.a.
M10	16 20	15 46	4 20	13 9	0 27	0 49	1 23	6 25	1 33	10 3	0 57	23 27	0 6	16 1	0 46	22 39	0 3	15 6	5 53	0 26	0 57	7 8		n.a.
T 11	16 37	13 5	3 35	14 1	0 16	0 37	1 29	6 8	1 34	10 8	0 57	23 27	0 6	16 1	0 46	22 39	0 3	15 5	5 53	0 26	0 58	7 9		n.a.
W12	16 54	9 37	2 36	14 53	0 5	0 25	1 35	5 51	1 34	10 13	0 57	23 27	0 6	16 1	0 46	22 39	0 3	15 5	5 53	0 26	0 59	7 11		n.a.
T 13	17 10	5 32	1 27	15 44	0n 5	0 12	1 40	5 33	1 34	10 17	0 57	23 27	0 6	16 1	0 46	22 39	0 3	15 5	5 53	0 26	1 0	7 13		n.a.
F 14	17 27	1 1	0 10	16 34	0 16	0n 1	1 45	5 16	1 34	10 22	0 57	23 28	0 6	16 1	0 46	22 39	0 3	15 5	5 53	0 25	1 2	7 15		n.a.
S 15	17 43	3s40	1n 9	17 22	0 26	0 15	1 51	4 59	1 34	10 27	0 57	23 28	0 6	16 0	0 46	22 39	0 3	15 4	5 53	0 26	1 3	7 16		n.a.
S 16	17 58	8 12	2 24	18 9	0 36	0 29	1 55	4 41	1 34	10 32	0 57	23 28	0 6	16 0	0 46	22 38	0 3	15 4	5 53	0 27	1 4	7 18		n.a.
M17	18 14	12 15	3 30	18 55	0 46	0 44	2 0	4 24	1 34	10 37	0 57	23 28	0 5	16 0	0 46	22 38	0 3	15 4	5 53	0 29	1 6	7 20		n.a.
T 18	18 29	15 29	4 21	19 38	0 55	1 0	2 5	4 7	1 34	10 42	0 57	23 28	0 5	15 59	0 46	22 38	0 3	15 4	5 53	0 31	1 7	7 22		n.a.
W19	18 43	17 38	4 53	20 20	1 4	1 15	2 9	3 49	1 34	10 47	0 57	23 29	0 5	15 59	0 45	22 38	0 3	15 3	5 53	0 34	1 8	7 23		n.a.
T 20	18 58	18 34	5 6	20 59	1 12	1 32	2 13	3 32	1 34	10 51	0 57	23 29	0 5	15 59	0 45	22 38	0 3	15 3	5 53	0 38	1 9	7 25		n.a.
F 21	19 12	18 19	4 59	21 35	1 20	1 48	2 17	3 14	1 35	10 56	0 57	23 29	0 5	15 58	0 45	22 38	0 3	15 3	5 53	0 41	1 11	7 27		n.a.
S 22	19 26	16 59	4 35	22 10	1 27	2 5	2 20	2 57	1 35	11 1	0 57	23 29	0 5	15 58	0 45	22 37	0 3	15 3	5 53	0 43	1 12	7 28		n.a.
S 23	19 39	14 46	3 57	22 41	1 33	2 23	2 23	2 40	1 35	11 5	0 57	23 29	0 5	15 57	0 45	22 37	0 3	15 3	5 53	0 45	1 13	7 30		n.a.
M24	19 53	11 54	3 8	23 10	1 39	2 40	2 27	2 22	1 35	11 10	0 57	23 30	0 5	15 57	0 45	22 37	0 3	15 2	5 53	0 45	1 15	7 32		n.a.
T 25	20 6	8 33	2 12	23 36	1 44	2 58	2 30	2 5	1 35	11 15	0 57	23 30	0 5	15 57	0 45	22 37	0 3	15 2	5 52	0 45	1 16	7 34		n.a.
W26	20 18	4 56	1 10	24 0	1 48	3 17	2 33	1 48	1 35	11 19	0 57	23 30	0 5	15 56	0 45	22 37	0 3	15 2	5 52	0 45	1 17	7 35		n.a.
T 27	20 30	1 9	0 7	24 21	1 52	3 36	2 35	1 31	1 35	11 24	0 57	23 30	0 5	15 56	0 45	22 36	0 3	15 2	5 52	0 45	1 18	7 37		n.a.
F 28	20 42	2n37	0s56	24 39	1 55	3 54	2 38	1 13	1 35	11 29	0 57	23 31	0 5	15 55	0 45	22 36	0 3	15 2	5 52	0 45	1 20	7 39		n.a.
S 29	20 54	6 17	1 56	24 55	1 57	4 14	2 40	0 56	1 35	11 33	0 57	23 31	0 4	15 55	0 45	22 36	0 3	15 1	5 52	0 46	1 21	7 41		n.a.
S 30	21 5	9 43	2 52	25 8	1 59	4 33	2 42	0 39	1 35	11 38	0 57	23 31	0 4	15 54	0 45	22 36	0 3	15 1	5 52	0 48	1 22	7 42		n.a.
M31	21n16	12n47	3s40	25n18	1n59	4n53	2s44	0s22	1s34	11n42	0s57	23s31	0n 4	15n54	0n45	22n36	0n 3	15s 1	5n52	0n51	1n23	7n44		n.a.

Julian Day Number = 1641553.5, Delta T = 03h36m06s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'17, Lahiri = - 6°58'17 Julian Calendar 1 May 219 BCE == Greg. Calendar 27 Apr. 219 BCE

The year -218 astronomical counting style corresponds to year 219 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

JUNE 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 21 19	5♊19'04	26♉11	21♊38	19♈38	3♈24	3♉ 2	5°R42	19♌24	17♋39	1°R46	27°R43	26♍29	25♈54	n.a.	T 1
W 2	16 25 15	6°16'12	8♊21	23°27	20°35	4° 6	3°15	5♋38	19°26	17°41	1♐44	27♍32	26°26	26° 0	n.a.	W 2
T 3	16 29 12	7°13'20	20°42	25°13	21°32	4°48	3°28	5°35	19°27	17°43	1°43	27°20	26°23	26° 7	n.a.	T 3
F 4	16 33 8	8°10'28	3♋13	26°58	22°30	5°31	3°41	5°31	19°29	17°45	1°41	27° 8	26°20	26°14	n.a.	F 4
S 5	16 37 5	9° 7'36	15°55	28°41	23°29	6°13	3°54	5°27	19°31	17°46	1°40	26°58	26°17	26°20	n.a.	S 5
S 6	16 41 1	10° 4'43	28°50	0♋21	24°27	6°55	4° 6	5°24	19°33	17°48	1°38	26°49	26°13	26°27	n.a.	S 6
M 7	16 44 58	11° 1'51	11♌56	2° 0	25°26	7°37	4°19	5°20	19°35	17°50	1°37	26°44	26°10	26°34	n.a.	M 7
T 8	16 48 54	11°58'59	25°17	3°36	26°26	8°19	4°31	5°16	19°36	17°52	1°35	26°41	26° 7	26°40	n.a.	T 8
W 9	16 52 51	12°56'07	8♍53	5°10	27°25	9° 1	4°44	5°12	19°38	17°54	1°34	26°D40	26° 4	26°47	n.a.	W 9
T 10	16 56 48	13°53'14	22°45	6°42	28°25	9°42	4°56	5° 8	19°40	17°56	1°32	26°R40	26° 1	26°54	n.a.	T 10
F 11	17 0 44	14°50'22	6♎55	8°12	29°26	10°24	5° 8	5° 4	19°43	17°58	1°31	26°40	25°57	27° 0	n.a.	F 11
S 12	17 4 41	15°47'29	21°20	9°40	0♉26	11° 5	5°21	5° 0	19°45	18° 0	1°29	26°38	25°54	27° 7	n.a.	S 12
S 13	17 8 37	16°44'37	5♏59	11° 6	1°27	11°47	5°33	4°56	19°47	18° 1	1°28	26°34	25°51	27°14	n.a.	S 13
M14	17 12 34	17°41'45	20°47	12°30	2°29	12°28	5°45	4°52	19°49	18° 3	1°26	26°28	25°48	27°20	n.a.	M14
T 15	17 16 30	18°38'54	5♐36	13°51	3°30	13° 9	5°57	4°48	19°51	18° 5	1°25	26°18	25°45	27°27	n.a.	T 15
W16	17 20 27	19°36'03	20°18	15°10	4°32	13°51	6° 9	4°44	19°53	18° 7	1°23	26° 8	25°42	27°34	n.a.	W16
T 17	17 24 24	20°33'12	4♑46	16°27	5°34	14°32	6°21	4°39	19°56	18° 9	1°22	25°56	25°38	27°40	n.a.	T 17
F 18	17 28 20	21°30'22	18°52	17°41	6°37	15°13	6°33	4°35	19°58	18°11	1°20	25°46	25°35	27°47	n.a.	F 18
S 19	17 32 17	22°27'33	2♒33	18°53	7°39	15°53	6°44	4°31	20° 1	18°14	1°19	25°37	25°32	27°54	n.a.	S 19
S 20	17 36 13	23°24'44	15°47	20° 2	8°42	16°34	6°56	4°26	20° 3	18°16	1°18	25°31	25°29	28° 0	n.a.	S 20
M21	17 40 10	24°21'56	28°36	21° 9	9°45	17°15	7° 7	4°22	20° 5	18°18	1°16	25°27	25°26	28° 7	n.a.	M21
T 22	17 44 6	25°19'09	11♓ 3	22°13	10°49	17°55	7°19	4°18	20° 8	18°20	1°15	25°26	25°23	28°14	n.a.	T 22
W23	17 48 3	26°16'23	23°12	23°14	11°52	18°36	7°30	4°13	20°11	18°22	1°13	25°25	25°19	28°20	n.a.	W23
T 24	17 51 59	27°13'39	5♈ 9	24°13	12°56	19°16	7°42	4° 9	20°13	18°24	1°12	25°25	25°16	28°27	n.a.	T 24
F 25	17 55 56	28°10'55	16°59	25° 8	14° 1	19°56	7°53	4° 5	20°16	18°26	1°11	25°24	25°13	28°34	n.a.	F 25
S 26	17 59 53	29° 8'12	28°47	26° 1	15° 5	20°36	8° 4	4° 0	20°18	18°28	1° 9	25°22	25°10	28°40	n.a.	S 26
S 27	18 3 49	0♋ 5'30	10♉39	26°50	16° 9	21°16	8°15	3°56	20°21	18°30	1° 8	25°17	25° 7	28°47	n.a.	S 27
M28	18 7 46	1° 2'50	22°38	27°36	17°14	21°56	8°26	3°51	20°24	18°32	1° 7	25° 9	25° 3	28°54	n.a.	M28
T 29	18 11 42	2° 0'10	4♊47	28°18	18°19	22°36	8°37	3°47	20°27	18°35	1° 6	24°58	25° 0	29° 0	n.a.	T 29
W30	18 15 39	2♋57'32	17♊ 9	28♋56	19♉24	23♈15	8♉48	3♋42	20♌29	18♋37	1♐ 4	24♍46	24♍57	29♈ 7	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n26	15n20	4s18	25n26	1n59	5n13	2s46	0s 5	1s34	11n46	0s57	23s31	0n 4	15n53	0n45	22n35	0n 3	15s 1	5n52	0n55	1n25	7n46		n.a.
W 2	21 36	17 15	4 46	25 32	1 59	5 33	2 47	0n13	1 34	11 51	0 57	23 32	0 4	15 53	0 45	22 35	0 3	15 1	5 52	1 0	1 26	7 47		n.a.
T 3	21 46	18 24	5 0	25 36	1 58	5 53	2 49	0 30	1 34	11 55	0 57	23 32	0 4	15 52	0 45	22 35	0 3	15 0	5 52	1 4	1 27	7 49		n.a.
F 4	21 56	18 41	5 0	25 37	1 56	6 14	2 50	0 47	1 34	12 0	0 57	23 32	0 4	15 51	0 45	22 35	0 3	15 0	5 51	1 9	1 29	7 51		n.a.
S 5	22 5	18 2	4 46	25 36	1 54	6 34	2 51	1 4	1 34	12 4	0 57	23 32	0 4	15 51	0 45	22 34	0 3	15 0	5 51	1 13	1 30	7 53		n.a.
S 6	22 13	16 27	4 17	25 34	1 51	6 55	2 52	1 20	1 34	12 8	0 57	23 33	0 4	15 50	0 45	22 34	0 3	15 0	5 51	1 17	1 31	7 54		n.a.
M 7	22 22	13 59	3 34	25 29	1 47	7 16	2 53	1 37	1 34	12 12	0 57	23 33	0 4	15 50	0 45	22 34	0 3	15 0	5 51	1 19	1 32	7 56		n.a.
T 8	22 29	10 46	2 38	25 23	1 43	7 37	2 54	1 54	1 34	12 17	0 57	23 33	0 4	15 49	0 45	22 34	0 3	14 59	5 51	1 20	1 34	7 58		n.a.
W 9	22 37	6 54	1 33	25 15	1 38	7 58	2 54	2 11	1 34	12 21	0 57	23 33	0 4	15 48	0 45	22 34	0 3	14 59	5 51	1 20	1 35	7 59		n.a.
T 10	22 44	2 35	0 21	25 5	1 33	8 19	2 54	2 28	1 33	12 25	0 57	23 34	0 3	15 48	0 45	22 33	0 3	14 59	5 51	1 20	1 36	8 1		n.a.
F 11	22 51	1s57	0n54	24 54	1 27	8 41	2 55	2 44	1 33	12 29	0 57	23 34	0 3	15 47	0 45	22 33	0 3	14 59	5 50	1 20	1 37	8 3		n.a.
S 12	22 57	6 28	2 7	24 42	1 21	9 2	2 55	3 1	1 33	12 33	0 57	23 34	0 3	15 46	0 45	22 33	0 3	14 59	5 50	1 21	1 39	8 4		n.a.
S 13	23 3	10 39	3 12	24 28	1 14	9 23	2 55	3 17	1 33	12 37	0 57	23 34	0 3	15 46	0 45	22 33	0 3	14 59	5 50	1 23	1 40	8 6		n.a.
M14	23 9	14 13	4 5	24 14	1 6	9 44	2 55	3 34	1 33	12 41	0 57	23 35	0 3	15 45	0 45	22 32	0 3	14 59	5 50	1 25	1 41	8 8		n.a.
T 15	23 14	16 52	4 42	23 58	0 59	10 6	2 54	3 50	1 33	12 45	0 58	23 35	0 3	15 44	0 45	22 32	0 3	14 58	5 50	1 29	1 43	8 10		n.a.
W16	23 18	18 23	4 59	23 41	0 51	10 27	2 54	4 6	1 32	12 49	0 58	23 35	0 3	15 43	0 44	22 32	0 3	14 58	5 50	1 33	1 44	8 11		n.a.
T 17	23 23	18 41	4 57	23 23	0 42	10 48	2 54	4 23	1 32	12 53	0 58	23 35	0 3	15 43	0 44	22 31	0 3	14 58	5 49	1 38	1 45	8 13		n.a.
F 18	23 27	17 48	4 37	23 5	0 33	11 10	2 53	4 39	1 32	12 57	0 58	23 36	0 3	15 42	0 44	22 31	0 3	14 58	5 49	1 42	1 46	8 15		n.a.
S 19	23 30	15 54	4 1	22 45	0 23	11 31	2 52	4 55	1 32	13 1	0 58	23 36	0 3	15 41	0 44	22 31	0 3	14 58	5 49	1 46	1 48	8 16		n.a.
S 20	23 33	13 13	3 13	22 26	0 13	11 52	2 51	5 11	1 31	13 5	0 58	23 36	0 3	15 40	0 44	22 31	0 3	14 58	5 49	1 48	1 49	8 18		n.a.
M21	23 36	9 58	2 17	22 5	0 3	12 13	2 50	5 27	1 31	13 9	0 58	23 36	0 2	15 39	0 44	22 30	0 3	14 58	5 49	1 50	1 50	8 20		n.a.
T 22	23 38	6 21	1 15	21 44	0s 7	12 34	2 49	5 43	1 31	13 12	0 58	23 37	0 2	15 39	0 44	22 30	0 3	14 58	5 49	1 50	1 52	8 21		n.a.
W23	23 40	2 33	0 12	21 23	0 18	12 55	2 48	5 58	1 31	13 16	0 58	23 37	0 2	15 38	0 44	22 30	0 3	14 58	5 48	1 50	1 53	8 23		n.a.
T 24	23 41	1n17	0s51	21 2	0 30	13 15	2 47	6 14	1 30	13 20	0 58	23 37	0 2	15 37	0 44	22 30	0 3	14 57	5 48	1 50	1 54	8 25		n.a.
F 25	23 42	5 2	1 52	20 41	0 41	13 36	2 45	6 30	1 30	13 23	0 58	23 37	0 2	15 36	0 44	22 29	0 3	14 57	5 48	1 51	1 55	8 27		n.a.
S 26	23 43	8 34	2 47	20 19	0 53	13 56	2 44	6 45	1 30	13 27	0 58	23 37	0 2	15 35	0 44	22 29	0 3	14 57	5 48	1 52	1 57	8 28		n.a.
S 27	23 43	11 47	3 35	19 58	1 5	14 17	2 42	7 1	1 29	13 30	0 58	23 38	0 2	15 34	0 44	22 29	0 3	14 57	5 48	1 54	1 58	8 30		n.a.
M28	23 43	14 33	4 14	19 37	1 18	14 37	2 41	7 16	1 29	13 34	0 58	23 38	0 2	15 33	0 44	22 28	0 3	14 57	5 47	1 57	1 59	8 32		n.a.
T 29	23 42	16 43	4 43	19 16	1 30	14 57	2 39	7 31	1 29	13 37	0 58	23 38	0 2	15 32	0 44	22 28	0 3	14 57	5 47	2 1	2 0	8 33		n.a.
W30	23n41	18n 9	4s58	18n56	1s43	15n16	2s37	7n46	1s28	13n41	0s58	23s38	0n 2	15n31	0n44	22n28	0n 3	14s57	5n47	2n 6	2n 2	8n35		n.a.

Julian Day Number = 1641584.5, Delta T = 03h36m05s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'13, Lahiri = - 6°58'13 Julian Calendar 1 June 219 BCE == Greg. Calendar 28 May 219 BCE

The year -218 astronomical counting style corresponds to year 219 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

JULY 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 19 35	3♋54'54	29♊44	29♋31	20♉30	23♈55	8♉59	3°R38	20♌32	18♋39	1°R 3	24°R33	24♍54	29♈14	n.a.	T 1
F 2	18 23 32	4°52'18	12♋33	0♌ 2	21°35	24°34	9° 9	3♏33	20°35	18°41	1♐ 2	24♍21	24°51	29°20	n.a.	F 2
S 3	18 27 28	5°49'42	25°36	0°28	22°41	25°13	9°20	3°29	20°38	18°43	1° 1	24°10	24°48	29°27	n.a.	S 3
S 4	18 31 25	6°47'08	8♌50	0°50	23°47	25°52	9°30	3°25	20°41	18°45	0°59	24° 1	24°44	29°34	n.a.	S 4
M 5	18 35 22	7°44'34	22°14	1° 7	24°53	26°31	9°40	3°20	20°44	18°48	0°58	23°55	24°41	29°40	n.a.	M 5
T 6	18 39 18	8°42'01	5♍50	1°19	26° 0	27°10	9°51	3°16	20°47	18°50	0°57	23°52	24°38	29°47	n.a.	T 6
W 7	18 43 15	9°39'30	19°34	1°27	27° 6	27°49	10° 1	3°11	20°50	18°52	0°56	23°D51	24°35	29°54	n.a.	W 7
T 8	18 47 11	10°36'59	3♎29	1°R29	28°13	28°27	10°11	3° 7	20°53	18°54	0°55	23°R51	24°32	0♉ 0	n.a.	T 8
F 9	18 51 8	11°34'28	17°33	1°26	29°19	29° 6	10°20	3° 2	20°56	18°56	0°54	23°51	24°28	0° 7	n.a.	F 9
S 10	18 55 4	12°31'59	1♏46	1°18	0♊26	29°44	10°30	2°58	20°59	18°59	0°53	23°50	24°25	0°14	n.a.	S 10
S 11	18 59 1	13°29'31	16° 6	1° 4	1°33	0♉22	10°40	2°54	21° 3	19° 1	0°52	23°46	24°22	0°20	n.a.	S 11
M12	19 2 57	14°27'04	0♐30	0°45	2°41	1° 0	10°49	2°49	21° 6	19° 3	0°51	23°40	24°19	0°27	n.a.	M12
T 13	19 6 54	15°24'38	14°55	0°20	3°48	1°38	10°59	2°45	21° 9	19° 5	0°50	23°32	24°16	0°34	n.a.	T 13
W14	19 10 51	16°22'13	29°13	29♋50	4°56	2°16	11° 8	2°41	21°12	19° 7	0°49	23°22	24°13	0°40	n.a.	W14
T 15	19 14 47	17°19'49	13♏20	29°15	6° 3	2°53	11°17	2°37	21°16	19°10	0°48	23°12	24° 9	0°47	n.a.	T 15
F 16	19 18 44	18°17'27	27°10	28°36	7°11	3°31	11°26	2°32	21°19	19°12	0°47	23° 2	24° 6	0°54	n.a.	F 16
S 17	19 22 40	19°15'06	10♒40	27°53	8°19	4° 8	11°35	2°28	21°22	19°14	0°46	22°54	24° 3	1° 0	n.a.	S 17
S 18	19 26 37	20°12'47	23°47	27° 6	9°27	4°45	11°44	2°24	21°26	19°16	0°45	22°48	24° 0	1° 7	n.a.	S 18
M19	19 30 33	21°10'29	6♓33	26°17	10°36	5°22	11°53	2°20	21°29	19°19	0°44	22°45	23°57	1°14	n.a.	M19
T 20	19 34 30	22° 8'13	18°58	25°25	11°44	5°59	12° 2	2°16	21°32	19°21	0°43	22°D43	23°54	1°20	n.a.	T 20
W21	19 38 26	23° 5'59	1♈ 8	24°33	12°53	6°36	12°10	2°12	21°36	19°23	0°43	22°43	23°50	1°27	n.a.	W21
T 22	19 42 23	24° 3'46	13° 6	23°41	14° 1	7°12	12°18	2° 8	21°39	19°25	0°42	22°44	23°47	1°34	n.a.	T 22
F 23	19 46 20	25° 1'36	24°57	22°50	15°10	7°49	12°26	2° 4	21°43	19°28	0°41	22°R45	23°44	1°40	n.a.	F 23
S 24	19 50 16	25°59'27	6♉47	22° 1	16°19	8°25	12°35	2° 0	21°46	19°30	0°40	22°44	23°41	1°47	n.a.	S 24
S 25	19 54 13	26°57'20	18°41	21°15	17°28	9° 1	12°42	1°56	21°50	19°32	0°40	22°42	23°38	1°54	n.a.	S 25
M26	19 58 9	27°55'15	0♊44	20°34	18°38	9°37	12°50	1°52	21°53	19°34	0°39	22°37	23°34	2° 0	n.a.	M26
T 27	20 2 6	28°53'12	12°59	19°57	19°47	10°12	12°58	1°49	21°57	19°36	0°38	22°30	23°31	2° 7	n.a.	T 27
W28	20 6 2	29°51'11	25°29	19°27	20°56	10°48	13° 5	1°45	22° 0	19°39	0°38	22°22	23°28	2°14	n.a.	W28
T 29	20 9 59	0♌49'11	8♋17	19° 4	22° 6	11°23	13°13	1°41	22° 4	19°41	0°37	22°13	23°25	2°20	n.a.	T 29
F 30	20 13 55	1°47'14	21°23	18°47	23°16	11°58	13°20	1°38	22° 7	19°43	0°37	22° 4	23°22	2°27	n.a.	F 30
S 31	20 17 52	2♌45'18	4♌46	18♋39	24♊26	12♉33	13♉27	1♏34	22♌11	19♋45	0♐36	21♍56	23♍19	2♉34	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n40	18n44	4s59	18n36	1s56	15n36	2s35	8n 1	1s28	13n44	0s58	23s39	0n 2	15n30	0n44	22n28	0n 3	14s57	5n47	2n11	2n 3	8n37		n.a.	T 1
F 2	23 38	18 22	4 46	18 17	2 8	15 55	2 33	8 16	1 28	13 48	0 58	23 39	0 1	15 29	0 44	22 27	0 3	14 57	5 47	2 16	2 4	8 38		n.a.	F 2
S 3	23 35	17 3	4 17	17 59	2 21	16 14	2 31	8 31	1 27	13 51	0 58	23 39	0 1	15 29	0 44	22 27	0 3	14 57	5 46	2 21	2 6	8 40		n.a.	S 3
S 4	23 33	14 49	3 34	17 42	2 34	16 32	2 29	8 46	1 27	13 54	0 58	23 39	0 1	15 28	0 44	22 27	0 3	14 57	5 46	2 24	2 7	8 42		n.a.	S 4
M 5	23 29	11 45	2 39	17 26	2 47	16 51	2 26	9 0	1 27	13 57	0 58	23 39	0 1	15 27	0 44	22 26	0 3	14 57	5 46	2 27	2 8	8 43		n.a.	M 5
T 6	23 26	8 2	1 34	17 11	3 0	17 9	2 24	9 15	1 26	14 1	0 58	23 40	0 1	15 26	0 44	22 26	0 3	14 57	5 46	2 28	2 9	8 45		n.a.	T 6
W 7	23 22	3 50	0 23	16 57	3 12	17 27	2 22	9 29	1 26	14 4	0 59	23 40	0 1	15 25	0 44	22 26	0 3	14 57	5 46	2 28	2 11	8 47		n.a.	W 7
T 8	23 17	0s37	0n51	16 45	3 24	17 44	2 19	9 43	1 25	14 7	0 59	23 40	0 1	15 24	0 44	22 26	0 3	14 57	5 45	2 28	2 12	8 48		n.a.	T 8
F 9	23 12	5 5	2 2	16 34	3 36	18 1	2 17	9 58	1 25	14 10	0 59	23 40	0 1	15 23	0 44	22 25	0 3	14 57	5 45	2 28	2 13	8 50		n.a.	F 9
S 10	23 7	9 18	3 7	16 25	3 47	18 18	2 14	10 12	1 24	14 13	0 59	23 40	0 1	15 21	0 44	22 25	0 3	14 57	5 45	2 29	2 14	8 52		n.a.	S 10
S 11	23 2	13 1	4 0	16 18	3 57	18 34	2 11	10 26	1 24	14 16	0 59	23 41	0 1	15 20	0 44	22 25	0 4	14 57	5 45	2 30	2 16	8 53		n.a.	S 11
M12	22 55	15 57	4 39	16 13	4 7	18 50	2 8	10 39	1 23	14 19	0 59	23 41	0 1	15 19	0 44	22 24	0 4	14 57	5 44	2 33	2 17	8 55		n.a.	M12
T 13	22 49	17 54	4 59	16 9	4 15	19 6	2 6	10 53	1 23	14 22	0 59	23 41	0 0	15 18	0 44	22 24	0 4	14 57	5 44	2 36	2 18	8 57		n.a.	T 13
W14	22 42	18 42	5 1	16 8	4 23	19 21	2 3	11 7	1 22	14 25	0 59	23 41	0 0	15 17	0 44	22 24	0 4	14 57	5 44	2 40	2 20	8 58		n.a.	W14
T 15	22 35	18 19	4 45	16 9	4 29	19 36	2 0	11 20	1 22	14 27	0 59	23 41	0 0	15 16	0 44	22 23	0 4	14 57	5 44	2 44	2 21	9 0		n.a.	T 15
F 16	22 27	16 52	4 11	16 13	4 34	19 50	1 57	11 33	1 21	14 30	0 59	23 42	0 0	15 15	0 44	22 23	0 4	14 57	5 43	2 48	2 22	9 2		n.a.	F 16
S 17	22 19	14 29	3 25	16 18	4 37	20 4	1 54	11 47	1 21	14 33	0 59	23 42	0 0	15 14	0 44	22 23	0 4	14 57	5 43	2 51	2 23	9 3		n.a.	S 17
S 18	22 11	11 25	2 28	16 26	4 39	20 18	1 51	12 0	1 20	14 36	0 59	23 42	0s 0	15 13	0 44	22 22	0 4	14 57	5 43	2 53	2 25	9 5		n.a.	S 18
M19	22 2	7 54	1 25	16 35	4 38	20 31	1 48	12 13	1 20	14 38	0 59	23 42	0 0	15 12	0 44	22 22	0 4	14 57	5 43	2 55	2 26	9 7		n.a.	M19
T 20	21 53	4 6	0 20	16 47	4 36	20 44	1 45	12 26	1 19	14 41	0 59	23 42	0 0	15 11	0 44	22 22	0 4	14 57	5 42	2 55	2 27	9 8		n.a.	T 20
W21	21 43	0 14	0s45	17 0	4 32	20 56	1 42	12 38	1 19	14 43	1 0	23 42	0 0	15 9	0 44	22 22	0 4	14 57	5 42	2 55	2 28	9 10		n.a.	W21
T 22	21 33	3n35	1 47	17 14	4 26	21 7	1 38	12 51	1 18	14 46	1 0	23 42	0 0	15 8	0 44	22 21	0 4	14 58	5 42	2 55	2 30	9 12		n.a.	T 22
F 23	21 23	7 14	2 44	17 31	4 19	21 18	1 35	13 3	1 17	14 48	1 0	23 43	0 0	15 7	0 44	22 21	0 4	14 58	5 42	2 55	2 31	9 13		n.a.	F 23
S 24	21 12	10 35	3 34	17 48	4 9	21 29	1 32	13 16	1 17	14 51	1 0	23 43	0 1	15 6	0 44	22 21	0 4	14 58	5 41	2 55	2 32	9 15		n.a.	S 24
S 25	21 1	13 30	4 15	18 6	3 58	21 39	1 29	13 28	1 16	14 53	1 0	23 43	0 1	15 5	0 44	22 20	0 4	14 58	5 41	2 56	2 34	9 17		n.a.	S 25
M26	20 49	15 54	4 45	18 25	3 45	21 49	1 25	13 40	1 16	14 55	1 0	23 43	0 1	15 4	0 44	22 20	0 4	14 58	5 41	2 58	2 35	9 18		n.a.	M26
T 27	20 37	17 37	5 2	18 44	3 31	21 57	1 22	13 52	1 15	14 58	1 0	23 43	0 1	15 3	0 44	22 20	0 4	14 58	5 41	3 1	2 36	9 20		n.a.	T 27
W28	20 25	18 33	5 6	19 4	3 16	22 6	1 19	14 4	1 14	15 0	1 0	23 43	0 1	15 1	0 44	22 19	0 4	14 58	5 40	3 4	2 37	9 22		n.a.	W28
T 29	20 13	18 33	4 55	19 23	2 59	22 14	1 15	14 15	1 14	15 2	1 0	23 44	0 1	15 0	0 43	22 19	0 4	14 58	5 40	3 7	2 39	9 23		n.a.	T 29
F 30	20 0	17 35	4 28	19 42	2 42	22 21	1 12	14 27	1 13	15 4	1 0	23 44	0 1	14 59	0 43	22 19	0 4	14 59	5 40	3 11	2 40	9 25		n.a.	F 30
S 31	19n46	15n39	3s46	20n 1	2s25	22n28	1s 8	14n38	1s12	15n 6	1s 0	23s44	0s 1	14n58	0n43	22n18	0n 4	14s59	5n40	3n14	2n41	9n27		n.a.	S 31

Julian Day Number = 1641614.5, Delta T = 03h36m04s
Ecliptic obliquity = 23°43'08, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'09, Lahiri = - 6°58'09 Julian Calendar 1 July 219 BCE == Greg. Calendar 27 June 219 BCE

The year -218 astronomical counting style corresponds to year 219 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

AUGUST 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 21 49	3♌43'24	18♌23	18°D38	25♊36	13♉ 8	13♉34	1°R31	22♌15	19♋47	0°R36	21°R50	23♍15	2♉40	n.a.	S 1
M 2	20 25 45	4°41'31	2♍12	18♋46	26°46	13°42	13°41	1♏27	22°18	19°50	0♐35	21♍46	23°12	2°47	n.a.	M 2
T 3	20 29 42	5°39'41	16°11	19° 3	27°56	14°17	13°47	1°24	22°22	19°52	0°35	21°D45	23° 9	2°54	n.a.	T 3
W 4	20 33 38	6°37'52	0♎15	19°28	29° 6	14°51	13°54	1°21	22°26	19°54	0°34	21°45	23° 6	3° 1	n.a.	W 4
T 5	20 37 35	7°36'04	14°23	20° 1	0♋16	15°25	14° 0	1°18	22°29	19°56	0°34	21°46	23° 3	3° 7	n.a.	T 5
F 6	20 41 31	8°34'18	28°33	20°43	1°27	15°58	14° 6	1°15	22°33	19°58	0°34	21°47	23° 0	3°14	n.a.	F 6
S 7	20 45 28	9°32'34	12♏44	21°32	2°38	16°32	14°12	1°12	22°37	20° 0	0°33	21°R47	22°56	3°21	n.a.	S 7
S 8	20 49 24	10°30'51	26°52	22°29	3°48	17° 5	14°18	1° 9	22°40	20° 2	0°33	21°46	22°53	3°27	n.a.	S 8
M 9	20 53 21	11°29'10	10♐58	23°33	4°59	17°38	14°24	1° 6	22°44	20° 5	0°33	21°43	22°50	3°34	n.a.	M 9
T 10	20 57 18	12°27'30	24°58	24°44	6°10	18°11	14°29	1° 3	22°48	20° 7	0°33	21°39	22°47	3°41	n.a.	T 10
W11	21 1 14	13°25'53	8♑49	26° 1	7°21	18°44	14°35	1° 0	22°52	20° 9	0°32	21°33	22°44	3°47	n.a.	W11
T 12	21 5 11	14°24'17	22°29	27°23	8°32	19°16	14°40	0°58	22°55	20°11	0°32	21°27	22°40	3°54	n.a.	T 12
F 13	21 9 7	15°22'43	5♒55	28°51	9°43	19°48	14°45	0°55	22°59	20°13	0°32	21°21	22°37	4° 1	n.a.	F 13
S 14	21 13 4	16°21'10	19° 5	0♌23	10°54	20°20	14°50	0°53	23° 3	20°15	0°32	21°16	22°34	4° 7	n.a.	S 14
S 15	21 17 0	17°19'40	1♓58	2° 0	12° 6	20°52	14°54	0°50	23° 7	20°17	0°32	21°13	22°31	4°14	n.a.	S 15
M16	21 20 57	18°18'12	14°34	3°39	13°17	21°23	14°59	0°48	23°10	20°19	0°32	21°12	22°28	4°21	n.a.	M16
T 17	21 24 53	19°16'46	26°54	5°22	14°29	21°54	15° 3	0°46	23°14	20°21	0°D32	21°D12	22°25	4°27	n.a.	T 17
W18	21 28 50	20°15'22	9♈ 1	7° 7	15°41	22°25	15° 7	0°44	23°18	20°23	0°32	21°13	22°21	4°34	n.a.	W18
T 19	21 32 46	21°14'00	20°58	8°54	16°52	22°56	15°11	0°42	23°22	20°25	0°32	21°14	22°18	4°41	n.a.	T 19
F 20	21 36 43	22°12'41	2♉50	10°42	18° 4	23°27	15°15	0°40	23°25	20°27	0°32	21°16	22°15	4°47	n.a.	F 20
S 21	21 40 40	23°11'24	14°40	12°32	19°16	23°57	15°18	0°38	23°29	20°29	0°32	21°17	22°12	4°54	n.a.	S 21
S 22	21 44 36	24°10'09	26°34	14°22	20°28	24°27	15°22	0°36	23°33	20°31	0°32	21°R18	22° 9	5° 1	n.a.	S 22
M23	21 48 33	25° 8'57	8♊37	16°13	21°40	24°56	15°25	0°34	23°37	20°33	0°33	21°17	22° 6	5° 7	n.a.	M23
T 24	21 52 29	26° 7'47	20°53	18° 4	22°53	25°26	15°28	0°33	23°41	20°35	0°33	21°15	22° 2	5°14	n.a.	T 24
W25	21 56 26	27° 6'40	3♋26	19°55	24° 5	25°55	15°31	0°31	23°44	20°36	0°33	21°12	21°59	5°21	n.a.	W25
T 26	22 0 22	28° 5'35	16°20	21°46	25°17	26°23	15°34	0°30	23°48	20°38	0°33	21° 9	21°56	5°27	n.a.	T 26
F 27	22 4 19	29° 4'32	29°35	23°36	26°30	26°52	15°36	0°29	23°52	20°40	0°34	21° 5	21°53	5°34	n.a.	F 27
S 28	22 8 15	0♍ 3'31	13♌13	25°27	27°43	27°20	15°38	0°27	23°56	20°42	0°34	21° 2	21°50	5°41	n.a.	S 28
S 29	22 12 12	1° 2'33	27°10	27°16	28°55	27°48	15°40	0°26	23°59	20°44	0°34	21° 0	21°46	5°48	n.a.	S 29
M30	22 16 9	2° 1'37	11♍24	29° 5	0♌ 8	28°15	15°42	0°25	24° 3	20°46	0°35	20°59	21°43	5°54	n.a.	M30
T 31	22 20 5	3♍ 0'42	25♍49	0♍54	1♌21	28♉42	15♉44	0♏24	24♌ 7	20♋47	0♐35	20°D59	21♍40	6♉ 1	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	19n33	12n48	2s50	20n19	2s 7	22n34	1s 5	14n50	1s12	15n 8	1s 0	23s44	0s 1	14n57	0n43	22n18	0n 4	14s59	5n39	3n17	2n42	9n28			n.a.
M 2	19 19	9 12	1 44	20 35	1 49	22 39	1 2	15 1	1 11	15 10	1 1	23 44	0 1	14 55	0 43	22 18	0 4	14 59	5 39	3 18	2 44	9 30			n.a.
T 3	19 5	5 3	0 30	20 51	1 31	22 44	0 58	15 12	1 10	15 12	1 1	23 44	0 1	14 54	0 43	22 18	0 4	14 59	5 39	3 19	2 45	9 32			n.a.
W 4	18 50	0 36	0n46	21 5	1 13	22 48	0 55	15 23	1 9	15 14	1 1	23 44	0 2	14 53	0 43	22 17	0 4	14 59	5 39	3 19	2 46	9 33			n.a.
T 5	18 35	3s54	2 0	21 17	0 56	22 52	0 51	15 33	1 9	15 16	1 1	23 44	0 2	14 52	0 43	22 17	0 4	15 0	5 38	3 18	2 48	9 35			n.a.
F 6	18 20	8 11	3 6	21 28	0 39	22 55	0 48	15 44	1 8	15 17	1 1	23 45	0 2	14 50	0 43	22 17	0 4	15 0	5 38	3 18	2 49	9 36			n.a.
S 7	18 4	12 0	4 1	21 36	0 23	22 57	0 44	15 54	1 7	15 19	1 1	23 45	0 2	14 49	0 43	22 16	0 4	15 0	5 38	3 18	2 50	9 38			n.a.
S 8	17 48	15 7	4 42	21 42	0 7	22 59	0 41	16 5	1 6	15 21	1 1	23 45	0 2	14 48	0 43	22 16	0 4	15 0	5 37	3 18	2 51	9 40			n.a.
M 9	17 32	17 19	5 5	21 46	0n 8	23 0	0 38	16 15	1 5	15 22	1 1	23 45	0 2	14 47	0 43	22 16	0 4	15 0	5 37	3 19	2 53	9 41			n.a.
T 10	17 16	18 28	5 10	21 47	0 21	23 0	0 34	16 25	1 5	15 24	1 1	23 45	0 2	14 46	0 43	22 15	0 4	15 1	5 37	3 21	2 54	9 43			n.a.
W11	16 59	18 30	4 56	21 45	0 34	23 0	0 31	16 35	1 4	15 25	1 1	23 45	0 2	14 44	0 43	22 15	0 4	15 1	5 37	3 23	2 55	9 45			n.a.
T 12	16 42	17 26	4 26	21 41	0 46	22 59	0 27	16 44	1 3	15 27	1 2	23 45	0 2	14 43	0 43	22 15	0 4	15 1	5 36	3 26	2 56	9 46			n.a.
F 13	16 25	15 26	3 42	21 33	0 57	22 58	0 24	16 54	1 2	15 28	1 2	23 45	0 2	14 42	0 43	22 15	0 4	15 1	5 36	3 28	2 58	9 48			n.a.
S 14	16 7	12 39	2 46	21 23	1 7	22 55	0 21	17 3	1 1	15 29	1 2	23 45	0 2	14 41	0 43	22 14	0 4	15 2	5 36	3 30	2 59	9 50			n.a.
S 15	15 49	9 18	1 43	21 10	1 15	22 53	0 17	17 13	1 0	15 31	1 2	23 45	0 3	14 39	0 43	22 14	0 4	15 2	5 36	3 31	3 0	9 51			n.a.
M16	15 31	5 35	0 36	20 54	1 23	22 49	0 14	17 22	0 59	15 32	1 2	23 46	0 3	14 38	0 43	22 14	0 4	15 2	5 35	3 32	3 1	9 53			n.a.
T 17	15 13	1 43	0s31	20 36	1 30	22 45	0 11	17 31	0 58	15 33	1 2	23 46	0 3	14 37	0 43	22 13	0 4	15 2	5 35	3 32	3 3	9 54			n.a.
W18	14 54	2n 9	1 36	20 15	1 35	22 40	0 7	17 40	0 58	15 34	1 2	23 46	0 3	14 36	0 43	22 13	0 4	15 3	5 35	3 31	3 4	9 56			n.a.
T 19	14 35	5 52	2 36	19 51	1 40	22 34	0 4	17 49	0 57	15 35	1 2	23 46	0 3	14 34	0 43	22 13	0 4	15 3	5 34	3 31	3 5	9 58			n.a.
F 20	14 16	9 20	3 29	19 25	1 44	22 28	0 1	17 57	0 56	15 36	1 2	23 46	0 3	14 33	0 43	22 12	0 4	15 3	5 34	3 30	3 7	9 59			n.a.
S 21	13 57	12 24	4 13	18 57	1 47	22 21	0n 2	18 6	0 55	15 37	1 2	23 46	0 3	14 32	0 43	22 12	0 4	15 4	5 34	3 30	3 8	10 1			n.a.
S 22	13 37	14 59	4 46	18 27	1 49	22 14	0 6	18 14	0 54	15 38	1 3	23 46	0 3	14 31	0 43	22 12	0 4	15 4	5 34	3 29	3 9	10 3			n.a.
M23	13 17	16 57	5 7	17 55	1 50	22 6	0 9	18 22	0 53	15 39	1 3	23 46	0 3	14 29	0 43	22 12	0 4	15 4	5 33	3 30	3 10	10 4			n.a.
T 24	12 57	18 10	5 14	17 21	1 51	21 57	0 12	18 30	0 52	15 40	1 3	23 46	0 3	14 28	0 43	22 11	0 4	15 4	5 33	3 31	3 12	10 6			n.a.
W25	12 37	18 33	5 7	16 45	1 50	21 47	0 15	18 38	0 51	15 41	1 3	23 46	0 3	14 27	0 43	22 11	0 4	15 5	5 33	3 32	3 13	10 7			n.a.
T 26	12 17	18 0	4 45	16 9	1 50	21 37	0 18	18 46	0 49	15 41	1 3	23 47	0 3	14 25	0 43	22 11	0 4	15 5	5 32	3 33	3 14	10 9			n.a.
F 27	11 56	16 27	4 7	15 30	1 48	21 27	0 21	18 54	0 48	15 42	1 3	23 47	0 4	14 24	0 43	22 11	0 4	15 5	5 32	3 34	3 15	10 11			n.a.
S 28	11 35	13 57	3 14	14 51	1 46	21 15	0 24	19 2	0 47	15 42	1 3	23 47	0 4	14 23	0 43	22 10	0 4	15 6	5 32	3 36	3 17	10 12			n.a.
S 29	11 14	10 36	2 8	14 11	1 44	21 3	0 27	19 9	0 46	15 43	1 3	23 47	0 4	14 22	0 43	22 10	0 4	15 6	5 32	3 37	3 18	10 14			n.a.
M30	10 53	6 34	0 53	13 30	1 41	20 51	0 30	19 16	0 45	15 43	1 3	23 47	0 4	14 20	0 43	22 10	0 4	15 6	5 31	3 37	3 19	10 15			n.a.
T 31	10n31	2n 5	0n27	12n48	1n38	20n37	0n33	19n23	0s44	15n44	1s 3	23s47	0s 4	14n19	0n43	22n10	0n 4	15s 7	5n31	3n37	3n20	10n17			n.a.

Julian Day Number = 1641645.5, Delta T = 03h36m03s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'05, Lahiri = - 6°58'04 Julian Calendar 1 Aug. 219 BCE == Greg. Calendar 28 July 219 BCE

The year -218 astronomical counting style corresponds to year 219 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

SEPTEMBER 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 24 2	3♍59'50	10♎20	2♍41	2♌34	29♉ 9	15♉45	0°R24	24♌11	20♋49	0♐36	20♍59	21♍37	6♉ 8	n.a.	W 1
T 2	22 27 58	4°59'00	24°52	4°28	3°47	29°35	15°47	0♏23	24°14	20°51	0°36	21° 0	21°34	6°14	n.a.	T 2
F 3	22 31 55	5°58'11	9♏20	6°14	5° 0	0♊ 1	15°48	0°22	24°18	20°53	0°37	21° 1	21°31	6°21	n.a.	F 3
S 4	22 35 51	6°57'25	23°40	8° 0	6°13	0°27	15°49	0°22	24°22	20°54	0°37	21° 2	21°27	6°28	n.a.	S 4
S 5	22 39 48	7°56'40	7♐49	9°44	7°26	0°52	15°49	0°21	24°26	20°56	0°38	21°R 3	21°24	6°34	n.a.	S 5
M 6	22 43 44	8°55'58	21°45	11°28	8°39	1°17	15°50	0°21	24°29	20°57	0°38	21° 2	21°21	6°41	n.a.	M 6
T 7	22 47 41	9°55'17	5♑28	13°11	9°52	1°42	15°50	0°21	24°33	20°59	0°39	21° 2	21°18	6°48	n.a.	T 7
W 8	22 51 37	10°54'38	18°57	14°53	11° 6	2° 6	15°R50	0°21	24°37	21° 1	0°40	21° 0	21°15	6°54	n.a.	W 8
T 9	22 55 34	11°54'01	2♒12	16°34	12°19	2°30	15°50	0°D21	24°40	21° 2	0°41	20°59	21°11	7° 1	n.a.	T 9
F 10	22 59 31	12°53'26	15°13	18°15	13°33	2°53	15°50	0°21	24°44	21° 4	0°41	20°58	21° 8	7° 8	n.a.	F 10
S 11	23 3 27	13°52'53	28° 0	19°54	14°46	3°17	15°49	0°21	24°48	21° 5	0°42	20°57	21° 5	7°14	n.a.	S 11
S 12	23 7 24	14°52'21	10♓35	21°33	16° 0	3°39	15°49	0°21	24°51	21° 7	0°43	20°57	21° 2	7°21	n.a.	S 12
M13	23 11 20	15°51'52	22°57	23°12	17°13	4° 1	15°48	0°22	24°55	21° 8	0°44	20°D57	20°59	7°28	n.a.	M13
T 14	23 15 17	16°51'25	5♈ 8	24°49	18°27	4°23	15°47	0°22	24°59	21°10	0°45	20°57	20°56	7°34	n.a.	T 14
W15	23 19 13	17°51'01	17° 9	26°26	19°41	4°44	15°45	0°23	25° 2	21°11	0°45	20°57	20°52	7°41	n.a.	W15
T 16	23 23 10	18°50'38	29° 4	28° 2	20°55	5° 5	15°44	0°23	25° 6	21°12	0°46	20°57	20°49	7°48	n.a.	T 16
F 17	23 27 6	19°50'18	10♉54	29°38	22° 9	5°26	15°42	0°24	25° 9	21°14	0°47	20°58	20°46	7°55	n.a.	F 17
S 18	23 31 3	20°50'00	22°44	1♎13	23°23	5°45	15°40	0°25	25°13	21°15	0°48	20°R58	20°43	8° 1	n.a.	S 18
S 19	23 35 0	21°49'45	4♊37	2°47	24°37	6° 5	15°38	0°26	25°16	21°16	0°49	20°58	20°40	8° 8	n.a.	S 19
M20	23 38 56	22°49'32	16°38	4°21	25°51	6°24	15°36	0°27	25°20	21°18	0°50	20°D58	20°37	8°15	n.a.	M20
T 21	23 42 53	23°49'21	28°52	5°54	27° 5	6°42	15°33	0°28	25°23	21°19	0°51	20°58	20°33	8°21	n.a.	T 21
W22	23 46 49	24°49'13	11♋21	7°27	28°19	7° 0	15°30	0°30	25°27	21°20	0°53	20°58	20°30	8°28	n.a.	W22
T 23	23 50 46	25°49'07	24°12	8°58	29°34	7°17	15°28	0°31	25°30	21°21	0°54	20°58	20°27	8°35	n.a.	T 23
F 24	23 54 42	26°49'03	7♌27	10°30	0♍48	7°34	15°24	0°33	25°33	21°23	0°55	20°59	20°24	8°41	n.a.	F 24
S 25	23 58 39	27°49'01	21° 7	12° 1	2° 2	7°50	15°21	0°34	25°37	21°24	0°56	20°59	20°21	8°48	n.a.	S 25
S 26	0 2 35	28°49'02	5♍13	13°31	3°17	8° 6	15°18	0°36	25°40	21°25	0°57	21° 0	20°17	8°55	n.a.	S 26
M27	0 6 32	29°49'05	19°42	15° 0	4°31	8°21	15°14	0°38	25°43	21°26	0°59	21°R 0	20°14	9° 1	n.a.	M27
T 28	0 10 28	0♎49'09	4♎28	16°30	5°46	8°36	15°10	0°40	25°47	21°27	1° 0	21° 0	20°11	9° 8	n.a.	T 28
W29	0 14 25	1°49'16	19°25	17°58	7° 0	8°50	15° 6	0°41	25°50	21°28	1° 1	20°59	20° 8	9°15	n.a.	W29
T 30	0 18 22	2♎49'25	4♏24	19♎26	8♍15	9♊ 3	15♉ 2	0♑44	25♌53	21♋29	1♐ 2	20♍58	20♍ 5	9♉21	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n 9	2s32	1n45	12n 6	1n34	20n23	0n35	19n30	0s43	15n44	1s 3	23s47	0s 4	14n18	0n43	22n 9	0n 4	15s 7	5n31	3n37	3n22	10n19		n.a.
T 2	9 48	7 0	2 57	11 23	1 30	20 9	0 38	19 37	0 42	15 44	1 4	23 47	0 4	14 17	0 43	22 9	0 4	15 8	5 31	3 36	3 23	10 20		n.a.
F 3	9 26	11 2	3 57	10 39	1 25	19 54	0 41	19 44	0 40	15 45	1 4	23 47	0 4	14 15	0 43	22 9	0 4	15 8	5 30	3 36	3 24	10 22		n.a.
S 4	9 4	14 22	4 41	9 55	1 21	19 38	0 43	19 51	0 39	15 45	1 4	23 47	0 4	14 14	0 43	22 9	0 4	15 8	5 30	3 36	3 26	10 24		n.a.
S 5	8 41	16 48	5 8	9 10	1 16	19 22	0 46	19 57	0 38	15 45	1 4	23 47	0 4	14 13	0 43	22 8	0 4	15 9	5 30	3 35	3 27	10 25		n.a.
M 6	8 19	18 11	5 17	8 26	1 10	19 5	0 48	20 4	0 37	15 45	1 4	23 47	0 4	14 12	0 43	22 8	0 4	15 9	5 29	3 36	3 28	10 27		n.a.
T 7	7 56	18 30	5 7	7 41	1 5	18 48	0 51	20 10	0 35	15 45	1 4	23 48	0 4	14 10	0 44	22 8	0 4	15 10	5 29	3 36	3 29	10 28		n.a.
W 8	7 34	17 44	4 40	6 56	0 59	18 30	0 53	20 16	0 34	15 45	1 4	23 48	0 4	14 9	0 44	22 8	0 4	15 10	5 29	3 36	3 31	10 30		n.a.
T 9	7 11	16 2	3 59	6 11	0 53	18 11	0 56	20 22	0 33	15 45	1 4	23 48	0 5	14 8	0 44	22 7	0 4	15 10	5 29	3 37	3 32	10 32		n.a.
F 10	6 48	13 30	3 6	5 26	0 47	17 52	0 58	20 28	0 31	15 45	1 4	23 48	0 5	14 7	0 44	22 7	0 4	15 11	5 28	3 37	3 33	10 33		n.a.
S 11	6 25	10 22	2 4	4 40	0 41	17 33	1 0	20 34	0 30	15 44	1 4	23 48	0 5	14 6	0 44	22 7	0 4	15 11	5 28	3 38	3 34	10 35		n.a.
S 12	6 2	6 48	0 57	3 55	0 35	17 13	1 2	20 40	0 29	15 44	1 5	23 48	0 5	14 4	0 44	22 7	0 4	15 12	5 28	3 38	3 36	10 36		n.a.
M13	5 38	3 0	0s11	3 10	0 28	16 52	1 4	20 45	0 27	15 44	1 5	23 48	0 5	14 3	0 44	22 6	0 4	15 12	5 28	3 38	3 37	10 38		n.a.
T 14	5 15	0n52	1 18	2 25	0 22	16 31	1 6	20 51	0 26	15 43	1 5	23 48	0 5	14 2	0 44	22 6	0 4	15 13	5 27	3 38	3 38	10 39		n.a.
W15	4 51	4 39	2 21	1 40	0 15	16 10	1 8	20 56	0 24	15 43	1 5	23 48	0 5	14 1	0 44	22 6	0 4	15 13	5 27	3 38	3 39	10 41		n.a.
T 16	4 28	8 13	3 16	0 55	0 9	15 48	1 10	21 1	0 23	15 42	1 5	23 48	0 5	14 0	0 44	22 6	0 4	15 13	5 27	3 38	3 41	10 43		n.a.
F 17	4 4	11 25	4 3	0 11	0 2	15 25	1 12	21 7	0 21	15 42	1 5	23 48	0 5	13 58	0 44	22 6	0 4	15 14	5 26	3 37	3 42	10 44		n.a.
S 18	3 40	14 9	4 40	0s34	0s 5	15 2	1 14	21 12	0 20	15 41	1 5	23 48	0 5	13 57	0 44	22 5	0 4	15 14	5 26	3 37	3 43	10 46		n.a.
S 19	3 17	16 19	5 5	1 18	0 12	14 39	1 15	21 17	0 18	15 41	1 5	23 48	0 5	13 56	0 44	22 5	0 4	15 15	5 26	3 37	3 45	10 47		n.a.
M20	2 53	17 47	5 17	2 2	0 19	14 15	1 17	21 21	0 17	15 40	1 5	23 49	0 5	13 55	0 44	22 5	0 4	15 15	5 26	3 37	3 46	10 49		n.a.
T 21	2 29	18 28	5 15	2 45	0 25	13 51	1 19	21 26	0 15	15 39	1 5	23 49	0 5	13 54	0 44	22 5	0 4	15 16	5 25	3 37	3 47	10 51		n.a.
W22	2 5	18 17	4 58	3 29	0 32	13 27	1 20	21 31	0 13	15 38	1 5	23 49	0 6	13 53	0 44	22 5	0 4	15 16	5 25	3 37	3 48	10 52		n.a.
T 23	1 41	17 10	4 26	4 12	0 39	13 2	1 21	21 35	0 12	15 37	1 5	23 49	0 6	13 51	0 44	22 5	0 4	15 17	5 25	3 37	3 50	10 54		n.a.
F 24	1 17	15 6	3 39	4 54	0 46	12 36	1 23	21 40	0 10	15 36	1 5	23 49	0 6	13 50	0 44	22 4	0 4	15 17	5 25	3 37	3 51	10 55		n.a.
S 25	0 53	12 7	2 38	5 36	0 52	12 11	1 24	21 44	0 8	15 35	1 5	23 49	0 6	13 49	0 44	22 4	0 5	15 18	5 24	3 37	3 52	10 57		n.a.
S 26	0 29	8 22	1 27	6 18	0 59	11 45	1 25	21 48	0 6	15 34	1 6	23 49	0 6	13 48	0 44	22 4	0 5	15 18	5 24	3 37	3 53	10 58		n.a.
M27	0 4	4 1	0 7	6 59	1 6	11 18	1 26	21 53	0 5	15 33	1 6	23 49	0 6	13 47	0 44	22 4	0 5	15 19	5 24	3 36	3 55	11 0		n.a.
T 28	0s20	0s40	1n14	7 40	1 12	10 51	1 27	21 57	0 3	15 32	1 6	23 49	0 6	13 46	0 44	22 4	0 5	15 19	5 24	3 37	3 56	11 2		n.a.
W29	0 44	5 21	2 31	8 20	1 19	10 24	1 28	22 1	0 1	15 31	1 6	23 49	0 6	13 45	0 44	22 4	0 5	15 20	5 23	3 37	3 57	11 3		n.a.
T 30	1s 8	9s43	3n38	9s 0	1s25	9n57	1n29	22n 5	0n 1	15n29	1s 6	23s49	0s 6	13n44	0n44	22n 3	0n 5	15s20	5n23	3n37	3n58	11n 5		n.a.

Julian Day Number = 1641676.5, Delta T = 03h36m02s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°05'01, Lahiri = - 6°58'00 Julian Calendar 1 Sept. 219 BCE == Greg. Calendar 28 Aug. 219 BCE

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

OCTOBER 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 22 18	3♎49'35	19♏17	20♎53	9♍30	9♊15	14°R57	0♋46	25♌56	21♋30	1♐ 4	20°R56	20♍ 2	9♉28	n.a.	F 1
S 2	0 26 15	4°49'47	3♐56	22°20	10°44	9°27	14♉53	0°48	25°59	21°31	1° 5	20♍55	19°58	9°35	n.a.	S 2
S 3	0 30 11	5°50'01	18°17	23°46	11°59	9°39	14°48	0°50	26° 3	21°32	1° 7	20°53	19°55	9°42	n.a.	S 3
M 4	0 34 8	6°50'17	2♋16	25°11	13°14	9°49	14°43	0°53	26° 6	21°32	1° 8	20°D53	19°52	9°48	n.a.	M 4
T 5	0 38 4	7°50'34	15°54	26°36	14°29	10° 0	14°38	0°55	26° 9	21°33	1° 9	20°53	19°49	9°55	n.a.	T 5
W 6	0 42 1	8°50'52	29°11	28° 0	15°43	10° 9	14°33	0°58	26°12	21°34	1°11	20°54	19°46	10° 2	n.a.	W 6
T 7	0 45 57	9°51'12	12♒ 9	29°23	16°58	10°17	14°27	1° 1	26°15	21°35	1°12	20°55	19°42	10° 8	n.a.	T 7
F 8	0 49 54	10°51'34	24°51	0♏45	18°13	10°25	14°22	1° 4	26°18	21°36	1°14	20°57	19°39	10°15	n.a.	F 8
S 9	0 53 51	11°51'57	7♓19	2° 6	19°28	10°33	14°16	1° 7	26°21	21°36	1°16	20°58	19°36	10°22	n.a.	S 9
S 10	0 57 47	12°52'22	19°36	3°26	20°43	10°39	14°10	1°10	26°24	21°37	1°17	20°R59	19°33	10°28	n.a.	S 10
M11	1 1 44	13°52'48	1♈43	4°45	21°58	10°45	14° 4	1°13	26°27	21°38	1°19	20°58	19°30	10°35	n.a.	M11
T 12	1 5 40	14°53'16	13°44	6° 3	23°13	10°50	13°58	1°16	26°29	21°38	1°20	20°56	19°27	10°42	n.a.	T 12
W13	1 9 37	15°53'46	25°40	7°19	24°28	10°54	13°51	1°19	26°32	21°39	1°22	20°53	19°23	10°48	n.a.	W13
T 14	1 13 33	16°54'18	7♉32	8°33	25°43	10°58	13°45	1°23	26°35	21°39	1°24	20°49	19°20	10°55	n.a.	T 14
F 15	1 17 30	17°54'51	19°22	9°46	26°58	11° 0	13°38	1°26	26°38	21°40	1°25	20°44	19°17	11° 2	n.a.	F 15
S 16	1 21 26	18°55'26	1♊13	10°56	28°13	11° 2	13°31	1°30	26°40	21°40	1°27	20°39	19°14	11° 9	n.a.	S 16
S 17	1 25 23	19°56'03	13° 7	12° 4	29°29	11° 3	13°25	1°33	26°43	21°41	1°29	20°35	19°11	11°15	n.a.	S 17
M18	1 29 20	20°56'42	25° 8	13°10	0♎44	11°R 3	13°18	1°37	26°46	21°41	1°30	20°31	19° 8	11°22	n.a.	M18
T 19	1 33 16	21°57'22	7♋19	14°13	1°59	11° 3	13°11	1°41	26°48	21°41	1°32	20°28	19° 4	11°29	n.a.	T 19
W20	1 37 13	22°58'04	19°44	15°12	3°14	11° 1	13° 3	1°45	26°51	21°42	1°34	20°D27	19° 1	11°35	n.a.	W20
T 21	1 41 9	23°58'49	2♌27	16° 7	4°29	10°59	12°56	1°49	26°53	21°42	1°36	20°27	18°58	11°42	n.a.	T 21
F 22	1 45 6	24°59'34	15°34	16°58	5°45	10°56	12°49	1°53	26°56	21°42	1°38	20°28	18°55	11°49	n.a.	F 22
S 23	1 49 2	26° 0'22	29° 6	17°45	7° 0	10°52	12°41	1°57	26°58	21°42	1°39	20°30	18°52	11°55	n.a.	S 23
S 24	1 52 59	27° 1'11	13♍ 6	18°25	8°15	10°47	12°34	2° 1	27° 0	21°43	1°41	20°31	18°48	12° 2	n.a.	S 24
M25	1 56 55	28° 2'02	27°34	19° 0	9°31	10°41	12°26	2° 6	27° 3	21°43	1°43	20°R31	18°45	12° 9	n.a.	M25
T 26	2 0 52	29° 2'54	12♎25	19°27	10°46	10°35	12°18	2°10	27° 5	21°43	1°45	20°30	18°42	12°16	n.a.	T 26
W27	2 4 48	0♏ 3'47	27°34	19°47	12° 1	10°27	12°10	2°14	27° 7	21°43	1°47	20°26	18°39	12°22	n.a.	W27
T 28	2 8 45	1° 4'42	12♏51	19°59	13°17	10°19	12° 2	2°19	27° 9	21°43	1°49	20°20	18°36	12°29	n.a.	T 28
F 29	2 12 42	2° 5'39	28° 5	20°R 1	14°32	10°10	11°54	2°24	27°11	21°R43	1°51	20°14	18°33	12°36	n.a.	F 29
S 30	2 16 38	3° 6'36	13♐ 6	19°53	15°48	10° 0	11°46	2°28	27°13	21°43	1°53	20° 7	18°29	12°42	n.a.	S 30
S 31	2 20 35	4♏ 7'34	27♐45	19♏34	17♎ 3	9♊49	11♉38	2♋33	27♌15	21♋43	1♐55	20♍ 1	18♍26	12♉49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s32	13s25	4n30	9s39	1s31	9n29	1n30	22n 8	0n 3	15n28	1s 6	23s49	0s 6	13n43	0n44	22n 3	0n 5	15s21	5n23	3n38	4n 0	11n 6		n.a.
S 2	1 56	16 13	5 3	10 17	1 37	9 1	1 31	22 12	0 5	15 27	1 6	23 49	0 6	13 41	0 44	22 3	0 5	15 21	5 23	3 39	4 1	11 8		n.a.
S 3	2 21	17 57	5 16	10 55	1 43	8 33	1 32	22 16	0 7	15 25	1 6	23 49	0 6	13 40	0 44	22 3	0 5	15 22	5 22	3 39	4 2	11 9		n.a.
M 4	2 45	18 32	5 10	11 32	1 49	8 5	1 32	22 19	0 9	15 24	1 6	23 49	0 6	13 39	0 44	22 3	0 5	15 22	5 22	3 39	4 3	11 11		n.a.
T 5	3 9	18 1	4 47	12 9	1 54	7 36	1 33	22 23	0 11	15 22	1 6	23 49	0 6	13 38	0 44	22 3	0 5	15 23	5 22	3 39	4 5	11 13		n.a.
W 6	3 33	16 30	4 9	12 45	2 0	7 7	1 33	22 26	0 13	15 20	1 6	23 49	0 7	13 37	0 44	22 3	0 5	15 23	5 22	3 39	4 6	11 14		n.a.
T 7	3 57	14 11	3 18	13 19	2 5	6 38	1 34	22 30	0 15	15 19	1 6	23 50	0 7	13 36	0 44	22 3	0 5	15 24	5 21	3 38	4 7	11 16		n.a.
F 8	4 21	11 12	2 19	13 53	2 10	6 9	1 34	22 33	0 17	15 17	1 6	23 50	0 7	13 35	0 44	22 2	0 5	15 24	5 21	3 38	4 9	11 17		n.a.
S 9	4 45	7 46	1 15	14 26	2 14	5 39	1 34	22 36	0 19	15 15	1 6	23 50	0 7	13 34	0 44	22 2	0 5	15 25	5 21	3 37	4 10	11 19		n.a.
S 10	5 8	4 3	0 8	14 58	2 19	5 10	1 34	22 39	0 21	15 14	1 6	23 50	0 7	13 33	0 44	22 2	0 5	15 25	5 21	3 37	4 11	11 20		n.a.
M11	5 32	0 12	0s59	15 29	2 23	4 40	1 34	22 42	0 23	15 12	1 6	23 50	0 7	13 32	0 44	22 2	0 5	15 26	5 21	3 37	4 12	11 22		n.a.
T 12	5 56	3n37	2 2	15 59	2 26	4 10	1 34	22 45	0 25	15 10	1 6	23 50	0 7	13 31	0 44	22 2	0 5	15 26	5 20	3 38	4 14	11 23		n.a.
W13	6 20	7 15	2 59	16 28	2 29	3 40	1 34	22 48	0 28	15 8	1 6	23 50	0 7	13 31	0 44	22 2	0 5	15 27	5 20	3 39	4 15	11 25		n.a.
T 14	6 43	10 35	3 48	16 55	2 32	3 9	1 34	22 51	0 30	15 6	1 6	23 50	0 7	13 30	0 44	22 2	0 5	15 28	5 20	3 41	4 16	11 27		n.a.
F 15	7 6	13 29	4 28	17 21	2 35	2 39	1 34	22 53	0 32	15 4	1 6	23 50	0 7	13 29	0 44	22 2	0 5	15 28	5 20	3 43	4 17	11 28		n.a.
S 16	7 30	15 50	4 55	17 45	2 37	2 9	1 34	22 56	0 35	15 2	1 6	23 50	0 7	13 28	0 44	22 2	0 5	15 29	5 19	3 45	4 19	11 30		n.a.
S 17	7 53	17 31	5 10	18 8	2 38	1 38	1 33	22 58	0 37	15 0	1 6	23 50	0 7	13 27	0 44	22 2	0 5	15 29	5 19	3 47	4 20	11 31		n.a.
M18	8 16	18 26	5 12	18 29	2 39	1 7	1 33	23 1	0 39	14 58	1 6	23 50	0 7	13 26	0 44	22 2	0 5	15 30	5 19	3 48	4 21	11 33		n.a.
T 19	8 39	18 32	4 59	18 49	2 39	0 37	1 32	23 3	0 42	14 56	1 6	23 50	0 7	13 25	0 45	22 2	0 5	15 30	5 19	3 49	4 22	11 34		n.a.
W20	9 2	17 45	4 33	19 6	2 38	0 6	1 32	23 5	0 44	14 54	1 6	23 50	0 8	13 24	0 45	22 2	0 5	15 31	5 19	3 50	4 24	11 36		n.a.
T 21	9 25	16 4	3 53	19 21	2 37	0s25	1 31	23 8	0 47	14 52	1 6	23 50	0 8	13 24	0 45	22 2	0 5	15 31	5 18	3 50	4 25	11 37		n.a.
F 22	9 47	13 30	2 59	19 34	2 34	0 55	1 31	23 10	0 49	14 49	1 6	23 50	0 8	13 23	0 45	22 2	0 5	15 32	5 18	3 49	4 26	11 39		n.a.
S 23	10 10	10 8	1 54	19 44	2 31	1 26	1 30	23 12	0 52	14 47	1 6	23 50	0 8	13 22	0 45	22 2	0 5	15 33	5 18	3 48	4 27	11 40		n.a.
S 24	10 32	6 6	0 40	19 52	2 27	1 57	1 29	23 13	0 55	14 45	1 6	23 50	0 8	13 21	0 45	22 2	0 5	15 33	5 18	3 48	4 29	11 42		n.a.
M25	10 54	1 34	0n38	19 56	2 21	2 28	1 28	23 15	0 57	14 43	1 5	23 50	0 8	13 20	0 45	22 2	0 5	15 34	5 18	3 48	4 30	11 44		n.a.
T 26	11 16	3s11	1 56	19 57	2 15	2 59	1 27	23 17	1 0	14 40	1 5	23 50	0 8	13 20	0 45	22 2	0 5	15 34	5 17	3 49	4 31	11 45		n.a.
W27	11 38	7 49	3 8	19 55	2 7	3 29	1 26	23 18	1 2	14 38	1 5	23 50	0 8	13 19	0 45	22 2	0 5	15 35	5 17	3 50	4 32	11 47		n.a.
T 28	11 59	11 58	4 6	19 49	1 57	4 0	1 25	23 20	1 5	14 36	1 5	23 50	0 8	13 18	0 45	22 2	0 5	15 35	5 17	3 52	4 34	11 48		n.a.
F 29	12 20	15 18	4 47	19 39	1 46	4 30	1 24	23 21	1 8	14 33	1 5	23 50	0 8	13 18	0 45	22 2	0 5	15 36	5 17	3 55	4 35	11 50		n.a.
S 30	12 42	17 34	5 7	19 25	1 34	5 1	1 23	23 22	1 10	14 31	1 5	23 50	0 8	13 17	0 45	22 2	0 5	15 36	5 17	3 57	4 36	11 51		n.a.
S 31	13s 3	18s36	5n 6	19s 6	1s20	5s31	1n22	23n23	1n13	14n28	1s 5	23s50	0s 8	13n16	0n45	22n 2	0n 5	15s37	5n17	4n 0	4n37	11n53		n.a.

Julian Day Number = 1641706.5, Delta T = 03h36m01s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'57, Lahiri = - 6°57'56 Julian Calendar 1 Oct. 219 BCE == Greg. Calendar 27 Sept. 219 BCE

The year -218 astronomical counting style corresponds to year 219 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

NOVEMBER 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 24 31	5♏ 8'33	11♉57	19°R 4	18♎19	9°R37	11°R30	2♉38	27♌17	21°R43	1♐57	19°R57	18♍23	12♋56	n.a.	M 1
T 2	2 28 28	6° 9'34	25°41	18♏23	19°34	9♊25	11♋22	2°43	27°19	21♋43	1°59	19♍55	18°20	13° 2	n.a.	T 2
W 3	2 32 24	7°10'34	8♒58	17°32	20°49	9°11	11°14	2°48	27°21	21°42	2° 1	19°D54	18°17	13° 9	n.a.	W 3
T 4	2 36 21	8°11'36	21°50	16°30	22° 5	8°57	11° 6	2°53	27°23	21°42	2° 3	19°55	18°14	13°16	n.a.	T 4
F 5	2 40 18	9°12'38	4♓23	15°20	23°20	8°42	10°58	2°58	27°25	21°42	2° 5	19°56	18°10	13°22	n.a.	F 5
S 6	2 44 14	10°13'41	16°40	14° 3	24°36	8°27	10°49	3° 3	27°27	21°42	2° 7	19°R57	18° 7	13°29	n.a.	S 6
S 7	2 48 11	11°14'44	28°45	12°42	25°51	8°10	10°41	3° 8	27°28	21°41	2° 9	19°57	18° 4	13°36	n.a.	S 7
M 8	2 52 7	12°15'49	10♈43	11°19	27° 7	7°53	10°33	3°14	27°30	21°41	2°11	19°54	18° 1	13°43	n.a.	M 8
T 9	2 56 4	13°16'54	22°36	9°57	28°22	7°35	10°25	3°19	27°31	21°41	2°13	19°49	17°58	13°49	n.a.	T 9
W10	3 0 0	14°18'00	4♉27	8°39	29°38	7°17	10°17	3°25	27°33	21°40	2°15	19°42	17°54	13°56	n.a.	W10
T 11	3 3 57	15°19'06	16°18	7°28	0♏53	6°58	10° 9	3°30	27°34	21°40	2°17	19°32	17°51	14° 3	n.a.	T 11
F 12	3 7 53	16°20'14	28°10	6°24	2° 9	6°38	10° 1	3°36	27°36	21°39	2°19	19°21	17°48	14° 9	n.a.	F 12
S 13	3 11 50	17°21'22	10♊ 5	5°31	3°24	6°18	9°53	3°41	27°37	21°39	2°22	19° 9	17°45	14°16	n.a.	S 13
S 14	3 15 46	18°22'31	22° 4	4°48	4°40	5°57	9°45	3°47	27°38	21°38	2°24	18°57	17°42	14°23	n.a.	S 14
M15	3 19 43	19°23'41	4♋10	4°17	5°55	5°36	9°37	3°53	27°40	21°38	2°26	18°47	17°39	14°29	n.a.	M15
T 16	3 23 40	20°24'51	16°24	3°56	7°11	5°14	9°29	3°59	27°41	21°37	2°28	18°40	17°35	14°36	n.a.	T 16
W17	3 27 36	21°26'03	28°49	3°D47	8°26	4°51	9°21	4° 4	27°42	21°37	2°30	18°34	17°32	14°43	n.a.	W17
T 18	3 31 33	22°27'15	11♌30	3°47	9°42	4°29	9°13	4°10	27°43	21°36	2°32	18°32	17°29	14°50	n.a.	T 18
F 19	3 35 29	23°28'28	24°29	3°57	10°57	4° 6	9° 5	4°16	27°44	21°35	2°34	18°D31	17°26	14°56	n.a.	F 19
S 20	3 39 26	24°29'41	7♍50	4°16	12°13	3°43	8°58	4°22	27°45	21°34	2°37	18°32	17°23	15° 3	n.a.	S 20
S 21	3 43 22	25°30'55	21°37	4°43	13°29	3°19	8°50	4°28	27°46	21°34	2°39	18°R32	17°19	15°10	n.a.	S 21
M22	3 47 19	26°32'10	5♎51	5°17	14°44	2°55	8°43	4°34	27°47	21°33	2°41	18°31	17°16	15°16	n.a.	M22
T 23	3 51 16	27°33'26	20°31	5°57	16° 0	2°32	8°35	4°41	27°48	21°32	2°43	18°27	17°13	15°23	n.a.	T 23
W24	3 55 12	28°34'42	5♏32	6°43	17°15	2° 8	8°28	4°47	27°49	21°31	2°45	18°21	17°10	15°30	n.a.	W24
T 25	3 59 9	29°35'59	20°48	7°34	18°31	1°44	8°21	4°53	27°49	21°30	2°47	18°12	17° 7	15°36	n.a.	T 25
F 26	4 3 5	0♐37'15	6♐ 6	8°29	19°46	1°20	8°14	4°59	27°50	21°29	2°50	18° 1	17° 4	15°43	n.a.	F 26
S 27	4 7 2	1°38'32	21°17	9°29	21° 2	0°56	8° 7	5° 6	27°50	21°29	2°52	17°50	17° 0	15°50	n.a.	S 27
S 28	4 10 58	2°39'49	6♉ 8	10°32	22°17	0°32	8° 0	5°12	27°51	21°28	2°54	17°39	16°57	15°57	n.a.	S 28
M29	4 14 55	3°41'06	20°33	11°37	23°33	0° 8	7°53	5°19	27°51	21°27	2°56	17°31	16°54	16° 3	n.a.	M29
T 30	4 18 51	4♐42'23	4♒28	12♏46	24♏48	29♋45	7♋47	5♉25	27♌52	21♋26	2♐58	17♍25	16♍51	16♋10	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s23	18s25	4n47	18s43	1s 4	6s 2	1n20	23n24	1n16	14n26	1s 5	23s50	0s 8	13n16	0n45	22n 2	0n 5	15s38	5n16	4n 1	4n39	11n54		n.a.
T 2	13 44	17 8	4 11	18 15	0 47	6 32	1 19	23 25	1 19	14 23	1 5	23 50	0 8	13 15	0 45	22 2	0 5	15 38	5 16	4 2	4 40	11 56		n.a.
W 3	14 4	14 58	3 23	17 43	0 28	7 2	1 17	23 26	1 21	14 21	1 5	23 50	0 8	13 14	0 45	22 2	0 5	15 39	5 16	4 3	4 41	11 57		n.a.
T 4	14 24	12 5	2 26	17 6	0 9	7 31	1 16	23 26	1 24	14 19	1 5	23 50	0 9	13 14	0 45	22 2	0 5	15 39	5 16	4 2	4 43	11 59		n.a.
F 5	14 44	8 44	1 23	16 27	0n11	8 1	1 14	23 26	1 27	14 16	1 4	23 50	0 9	13 13	0 45	22 2	0 5	15 40	5 16	4 2	4 44	12 0		n.a.
S 6	15 3	5 3	0 18	15 44	0 32	8 31	1 13	23 27	1 30	14 14	1 4	23 50	0 9	13 13	0 45	22 2	0 5	15 40	5 16	4 1	4 45	12 2		n.a.
S 7	15 23	1 13	0s47	15 0	0 52	9 0	1 11	23 27	1 32	14 11	1 4	23 50	0 9	13 12	0 45	22 2	0 5	15 41	5 15	4 2	4 46	12 3		n.a.
M 8	15 42	2n37	1 49	14 16	1 12	9 29	1 10	23 26	1 35	14 9	1 4	23 50	0 9	13 11	0 45	22 2	0 5	15 41	5 15	4 3	4 48	12 5		n.a.
T 9	16 1	6 20	2 46	13 32	1 31	9 58	1 8	23 26	1 38	14 6	1 4	23 49	0 9	13 11	0 45	22 2	0 5	15 42	5 15	4 5	4 49	12 6		n.a.
W10	16 19	9 47	3 35	12 51	1 48	10 26	1 6	23 26	1 40	14 4	1 4	23 49	0 9	13 10	0 45	22 2	0 5	15 43	5 15	4 8	4 50	12 8		n.a.
T 11	16 37	12 50	4 15	12 14	2 3	10 55	1 4	23 25	1 43	14 2	1 4	23 49	0 9	13 10	0 45	22 2	0 5	15 43	5 15	4 11	4 51	12 9		n.a.
F 12	16 55	15 22	4 44	11 41	2 16	11 23	1 2	23 24	1 46	13 59	1 3	23 49	0 9	13 10	0 45	22 2	0 5	15 44	5 15	4 16	4 53	12 11		n.a.
S 13	17 13	17 16	5 0	11 13	2 27	11 51	1 1	23 23	1 48	13 57	1 3	23 49	0 9	13 9	0 46	22 2	0 5	15 44	5 15	4 21	4 54	12 12		n.a.
S 14	17 30	18 26	5 3	10 50	2 35	12 18	0 59	23 22	1 51	13 54	1 3	23 49	0 9	13 9	0 46	22 3	0 5	15 45	5 14	4 25	4 55	12 14		n.a.
M15	17 47	18 46	4 53	10 34	2 42	12 46	0 57	23 21	1 54	13 52	1 3	23 49	0 9	13 8	0 46	22 3	0 5	15 45	5 14	4 29	4 56	12 15		n.a.
T 16	18 4	18 14	4 29	10 22	2 46	13 13	0 55	23 20	1 56	13 50	1 3	23 49	0 9	13 8	0 46	22 3	0 5	15 46	5 14	4 32	4 58	12 17		n.a.
W17	18 20	16 50	3 53	10 17	2 49	13 39	0 53	23 18	1 59	13 47	1 3	23 49	0 9	13 8	0 46	22 3	0 5	15 46	5 14	4 34	4 59	12 18		n.a.
T 18	18 36	14 35	3 4	10 16	2 50	14 5	0 51	23 16	2 1	13 45	1 2	23 49	0 9	13 7	0 46	22 3	0 5	15 47	5 14	4 35	5 0	12 20		n.a.
F 19	18 52	11 34	2 4	10 20	2 49	14 31	0 48	23 14	2 4	13 43	1 2	23 48	0 10	13 7	0 46	22 3	0 5	15 47	5 14	4 36	5 1	12 21		n.a.
S 20	19 7	7 51	0 57	10 28	2 48	14 57	0 46	23 12	2 6	13 40	1 2	23 48	0 10	13 7	0 46	22 3	0 5	15 48	5 14	4 35	5 3	12 23		n.a.
S 21	19 22	3 37	0n16	10 39	2 45	15 22	0 44	23 10	2 8	13 38	1 2	23 48	0 10	13 6	0 46	22 3	0 5	15 48	5 13	4 35	5 4	12 24		n.a.
M22	19 36	0s58	1 31	10 54	2 41	15 47	0 42	23 7	2 11	13 36	1 2	23 48	0 10	13 6	0 46	22 4	0 5	15 49	5 13	4 36	5 5	12 26		n.a.
T 23	19 51	5 37	2 41	11 12	2 37	16 11	0 40	23 5	2 13	13 34	1 1	23 48	0 10	13 6	0 46	22 4	0 5	15 50	5 13	4 37	5 6	12 27		n.a.
W24	20 5	10 2	3 42	11 32	2 31	16 35	0 37	23 2	2 15	13 32	1 1	23 48	0 10	13 6	0 46	22 4	0 5	15 50	5 13	4 40	5 8	12 29		n.a.
T 25	20 18	13 51	4 28	11 54	2 26	16 58	0 35	22 59	2 17	13 29	1 1	23 48	0 10	13 5	0 46	22 4	0 5	15 51	5 13	4 43	5 9	12 30		n.a.
F 26	20 31	16 44	4 55	12 18	2 19	17 21	0 33	22 56	2 19	13 27	1 1	23 47	0 10	13 5	0 46	22 4	0 5	15 51	5 13	4 47	5 10	12 32		n.a.
S 27	20 44	18 25	5 1	12 43	2 13	17 44	0 31	22 53	2 21	13 25	1 1	23 47	0 10	13 5	0 46	22 4	0 5	15 52	5 13	4 52	5 11	12 33		n.a.
S 28	20 56	18 49	4 46	13 10	2 6	18 6	0 28	22 50	2 23	13 23	1 0	23 47	0 10	13 5	0 46	22 5	0 5	15 52	5 13	4 56	5 13	12 35		n.a.
M29	21 8	17 57	4 13	13 37	1 58	18 28	0 26	22 46	2 25	13 21	1 0	23 47	0 10	13 5	0 46	22 5	0 5	15 53	5 13	4 59	5 14	12 36		n.a.
T 30	21s20	16s 2	3n26	14s 5	1n51	18s49	0n24	22n43	2n27	13n19	1s 0	23s47	0s10	13n 5	0n46	22n 5	0n 6	15s53	5n13	5n 2	5n15	12n38		n.a.

Julian Day Number = 1641737.5, Delta T = 03h36m00s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'52, Lahiri = - 6°57'52 Julian Calendar 1 Nov. 219 BCE == Greg. Calendar 28 Oct. 219 BCE

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ASTRODIENST EPHEMERIS for the year 219 BCE
geocentric

DECEMBER 219 BCE (-218) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 22 48	5♐43'39	17♒53	13♏57	26♏ 4	29°R22	7°R40	5♑32	27♌52	21°R25	3♐ 0	17°R22	16♍48	16♉17	n.a.	W 1
T 2	4 26 45	6°44'55	0♓50	15°10	27°19	28♉59	7♉34	5°38	27°53	21♋23	3° 3	17♍20	16°45	16°23	n.a.	T 2
F 3	4 30 41	7°46'11	13°23	16°25	28°35	28°36	7°28	5°45	27°53	21°22	3° 5	17°20	16°41	16°30	n.a.	F 3
S 4	4 34 38	8°47'26	25°38	17°41	29°50	28°14	7°22	5°51	27°53	21°21	3° 7	17°20	16°38	16°37	n.a.	S 4
S 5	4 38 34	9°48'41	7♈40	19° 0	1♐ 6	27°52	7°16	5°58	27°53	21°20	3° 9	17°19	16°35	16°44	n.a.	S 5
M 6	4 42 31	10°49'55	19°33	20°19	2°21	27°31	7°11	6° 5	27°53	21°19	3°11	17°15	16°32	16°50	n.a.	M 6
T 7	4 46 27	11°51'09	1♉23	21°40	3°37	27°10	7° 5	6°12	27°R53	21°18	3°13	17° 8	16°29	16°57	n.a.	T 7
W 8	4 50 24	12°52'23	13°12	23° 2	4°52	26°50	7° 0	6°18	27°53	21°16	3°16	16°59	16°25	17° 4	n.a.	W 8
T 9	4 54 20	13°53'36	25° 4	24°24	6° 8	26°31	6°55	6°25	27°53	21°15	3°18	16°46	16°22	17°10	n.a.	T 9
F 10	4 58 17	14°54'49	7♊ 0	25°48	7°23	26°12	6°50	6°32	27°53	21°14	3°20	16°32	16°19	17°17	n.a.	F 10
S 11	5 2 14	15°56'01	19° 3	27°13	8°39	25°53	6°45	6°39	27°53	21°13	3°22	16°17	16°16	17°24	n.a.	S 11
S 12	5 6 10	16°57'13	1♋12	28°38	9°54	25°35	6°40	6°46	27°52	21°11	3°24	16° 2	16°13	17°30	n.a.	S 12
M13	5 10 7	17°58'25	13°29	0♐ 4	11° 9	25°18	6°36	6°53	27°52	21°10	3°26	15°49	16°10	17°37	n.a.	M13
T 14	5 14 3	18°59'36	25°54	1°31	12°25	25° 2	6°31	7° 0	27°52	21° 9	3°28	15°39	16° 6	17°44	n.a.	T 14
W15	5 18 0	20° 0'46	8♌29	2°59	13°40	24°46	6°27	7° 7	27°51	21° 7	3°31	15°31	16° 3	17°51	n.a.	W15
T 16	5 21 56	21° 1'57	21°16	4°27	14°56	24°31	6°23	7°14	27°51	21° 6	3°33	15°27	16° 0	17°57	n.a.	T 16
F 17	5 25 53	22° 3'07	4♍17	5°56	16°11	24°17	6°20	7°21	27°50	21° 5	3°35	15°25	15°57	18° 4	n.a.	F 17
S 18	5 29 50	23° 4'16	17°36	7°25	17°26	24° 4	6°16	7°28	27°50	21° 3	3°37	15°25	15°54	18°11	n.a.	S 18
S 19	5 33 46	24° 5'25	1♎13	8°55	18°42	23°51	6°13	7°35	27°49	21° 2	3°39	15°25	15°51	18°17	n.a.	S 19
M20	5 37 43	25° 6'34	15°13	10°26	19°57	23°39	6° 9	7°42	27°48	21° 0	3°41	15°24	15°47	18°24	n.a.	M20
T 21	5 41 39	26° 7'42	29°34	11°57	21°13	23°28	6° 6	7°49	27°48	20°59	3°43	15°20	15°44	18°31	n.a.	T 21
W22	5 45 36	27° 8'50	14♏15	13°29	22°28	23°18	6° 4	7°56	27°47	20°57	3°45	15°14	15°41	18°38	n.a.	W22
T 23	5 49 32	28° 9'57	29°11	15° 2	23°43	23° 9	6° 1	8° 3	27°46	20°56	3°47	15° 5	15°38	18°44	n.a.	T 23
F 24	5 53 29	29°11'03	14♐14	16°35	24°59	23° 0	5°59	8°10	27°45	20°54	3°49	14°54	15°35	18°51	n.a.	F 24
S 25	5 57 25	0♑12'09	29°14	18° 8	26°14	22°52	5°57	8°17	27°44	20°53	3°51	14°43	15°31	18°58	n.a.	S 25
S 26	6 1 22	1°13'14	14♑ 1	19°43	27°29	22°45	5°55	8°24	27°43	20°51	3°53	14°32	15°28	19° 4	n.a.	S 26
M27	6 5 19	2°14'17	28°27	21°17	28°45	22°39	5°53	8°32	27°42	20°49	3°55	14°23	15°25	19°11	n.a.	M27
T 28	6 9 15	3°15'20	12♒27	22°53	0♑ 0	22°34	5°51	8°39	27°41	20°48	3°57	14°16	15°22	19°18	n.a.	T 28
W29	6 13 12	4°16'21	25°58	24°29	1°15	22°29	5°50	8°46	27°40	20°46	3°59	14°12	15°19	19°25	n.a.	W29
T 30	6 17 8	5°17'21	9♓ 1	26° 6	2°31	22°25	5°49	8°53	27°39	20°45	4° 1	14°D11	15°16	19°31	n.a.	T 30
F 31	6 21 5	6♑18'19	21♓40	27♐43	3♑46	22♉22	5♉48	9♑ 0	27♌37	20♋43	4♐ 3	14♍11	15♍12	19♉38	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	21 s31	13 s17	2n29	14 s34	1n43	19 s 9	0n21	22n40	2n28	13n17	1 s 0	23 s46	0 s10	13n 5	0n46	22n 5	0n 6	15 s54	5n12	5n 3	5n16	12n39			n.a.
T 2	21 41	9 58	1 26	15 3	1 36	19 29	0 19	22 36	2 30	13 16	0 59	23 46	0 10	13 5	0 46	22 5	0 6	15 54	5 12	5 3	5 18	12 41			n.a.
F 3	21 52	6 17	0 21	15 32	1 28	19 49	0 16	22 32	2 31	13 14	0 59	23 46	0 10	13 4	0 46	22 5	0 6	15 55	5 12	5 3	5 19	12 42			n.a.
S 4	22 1	2 25	0 s44	16 2	1 20	20 7	0 14	22 29	2 33	13 12	0 59	23 46	0 11	13 4	0 46	22 6	0 6	15 55	5 12	5 4	5 20	12 44			n.a.
S 5	22 11	1n28	1 45	16 31	1 12	20 26	0 12	22 25	2 34	13 10	0 59	23 46	0 11	13 4	0 47	22 6	0 6	15 56	5 12	5 4	5 21	12 45			n.a.
M 6	22 20	5 15	2 41	17 0	1 4	20 44	0 9	22 21	2 36	13 9	0 58	23 45	0 11	13 4	0 47	22 6	0 6	15 56	5 12	5 6	5 23	12 46			n.a.
T 7	22 28	8 48	3 30	17 30	0 56	21 1	0 7	22 18	2 37	13 7	0 58	23 45	0 11	13 4	0 47	22 6	0 6	15 57	5 12	5 8	5 24	12 48			n.a.
W 8	22 36	12 1	4 10	17 58	0 48	21 17	0 4	22 14	2 38	13 6	0 58	23 45	0 11	13 5	0 47	22 6	0 6	15 57	5 12	5 12	5 25	12 49			n.a.
T 9	22 44	14 45	4 39	18 27	0 40	21 33	0 2	22 11	2 39	13 4	0 58	23 45	0 11	13 5	0 47	22 7	0 6	15 58	5 12	5 17	5 26	12 51			n.a.
F 10	22 51	16 53	4 55	18 55	0 32	21 48	0 s 0	22 7	2 40	13 3	0 57	23 44	0 11	13 5	0 47	22 7	0 6	15 58	5 12	5 23	5 28	12 52			n.a.
S 11	22 58	18 18	4 59	19 22	0 24	22 3	0 3	22 3	2 41	13 2	0 57	23 44	0 11	13 5	0 47	22 7	0 6	15 58	5 12	5 28	5 29	12 54			n.a.
S 12	23 4	18 54	4 49	19 49	0 17	22 17	0 5	22 0	2 42	13 0	0 57	23 44	0 11	13 5	0 47	22 7	0 6	15 59	5 12	5 34	5 30	12 55			n.a.
M13	23 10	18 37	4 26	20 15	0 9	22 30	0 8	21 57	2 43	12 59	0 57	23 43	0 11	13 5	0 47	22 8	0 6	15 59	5 12	5 39	5 31	12 57			n.a.
T 14	23 15	17 27	3 50	20 41	0 2	22 43	0 10	21 53	2 43	12 58	0 56	23 43	0 11	13 5	0 47	22 8	0 6	16 0	5 11	5 43	5 33	12 58			n.a.
W15	23 20	15 26	3 2	21 5	0 s 6	22 55	0 12	21 50	2 44	12 57	0 56	23 43	0 11	13 5	0 47	22 8	0 6	16 0	5 11	5 46	5 34	13 0			n.a.
T 16	23 25	12 37	2 4	21 29	0 13	23 6	0 15	21 47	2 45	12 56	0 56	23 43	0 11	13 6	0 47	22 8	0 6	16 1	5 11	5 48	5 35	13 1			n.a.
F 17	23 29	9 9	0 58	21 52	0 20	23 17	0 17	21 44	2 45	12 55	0 56	23 42	0 11	13 6	0 47	22 8	0 6	16 1	5 11	5 49	5 36	13 3			n.a.
S 18	23 32	5 8	0n12	22 15	0 27	23 26	0 19	21 41	2 46	12 54	0 55	23 42	0 12	13 6	0 47	22 9	0 6	16 2	5 11	5 49	5 38	13 4			n.a.
S 19	23 35	0 46	1 23	22 36	0 33	23 36	0 22	21 38	2 46	12 53	0 55	23 42	0 12	13 6	0 47	22 9	0 6	16 2	5 11	5 49	5 39	13 5			n.a.
M20	23 38	3 s45	2 31	22 56	0 40	23 44	0 24	21 35	2 47	12 52	0 55	23 41	0 12	13 7	0 47	22 9	0 6	16 2	5 11	5 49	5 40	13 7			n.a.
T 21	23 40	8 10	3 31	23 15	0 46	23 52	0 26	21 33	2 47	12 51	0 54	23 41	0 12	13 7	0 47	22 9	0 6	16 3	5 11	5 51	5 41	13 8			n.a.
W22	23 41	12 11	4 19	23 33	0 53	23 59	0 29	21 31	2 47	12 51	0 54	23 41	0 12	13 7	0 47	22 10	0 6	16 3	5 11	5 53	5 43	13 10			n.a.
T 23	23 42	15 30	4 50	23 50	0 59	24 5	0 31	21 28	2 47	12 50	0 54	23 40	0 12	13 8	0 47	22 10	0 6	16 4	5 11	5 57	5 44	13 11			n.a.
F 24	23 43	17 48	5 1	24 6	1 4	24 10	0 33	21 26	2 48	12 50	0 54	23 40	0 12	13 8	0 47	22 10	0 6	16 4	5 11	6 1	5 45	13 13			n.a.
S 25	23 43	18 51	4 52	24 21	1 10	24 15	0 35	21 24	2 48	12 49	0 53	23 39	0 12	13 8	0 47	22 10	0 6	16 4	5 11	6 5	5 46	13 14			n.a.
S 26	23 43	18 37	4 23	24 34	1 15	24 19	0 37	21 22	2 48	12 49	0 53	23 39	0 12	13 9	0 47	22 11	0 6	16 5	5 11	6 10	5 47	13 15			n.a.
M27	23 42	17 10	3 37	24 46	1 21	24 22	0 39	21 21	2 48	12 48	0 53	23 39	0 12	13 9	0 47	22 11	0 6	16 5	5 11	6 13	5 49	13 17			n.a.
T 28	23 41	14 43	2 40	24 57	1 25	24 25	0 41	21 19	2 48	12 48	0 53	23 38	0 12	13 10	0 47	22 11	0 6	16 6	5 11	6 16	5 50	13 18			n.a.
W29	23 39	11 31	1 35	25 6	1 30	24 26	0 44	21 18	2 48	12 48	0 52	23 38	0 12	13 10	0 48	22 11	0 6	16 6	5 11	6 17	5 51	13 20			n.a.
T 30	23 37	7 51	0 27	25 14	1 34	24 27	0 46	21 17	2 48	12 48	0 52	23 37	0 12	13 11	0 48	22 12	0 6	16 6	5 11	6 18	5 52	13 21			n.a.
F 31	23 s34	3 s57	0 s40	25 s20	1 s38	24 s27	0 s48	21n16	2n47	12n48	0 s52	23 s37	0 s12	13n11	0n48	22n12	0n 6	16 s 7	5n11	6n18	5n54	13n23			n.a.

Julian Day Number = 1641767.5, Delta T = 03h35m59s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'48, Lahiri = - 6°57'48 Julian Calendar 1 Dec. 219 BCE == Greg. Calendar 27 Nov. 219 BCE

The year -218 astronomical counting style corresponds to year 219 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

JANUARY 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 25 1	7♑19'16	3♈59	29♐21	5♑ 1	22°R20	5°R47	9♑ 7	27°R36	20°R41	4♐ 5	14°R11	15♍ 9	19♉45	n.a.	S 1
S 2	6 28 58	8°20'11	16° 3	1♑ 0	6°16	22♉19	5♉47	9°15	27♌35	20♋40	4° 7	14♍11	15° 6	19°51	n.a.	S 2
M 3	6 32 54	9°21'05	27°57	2°40	7°32	22°D18	5°46	9°22	27°33	20°38	4° 9	14° 9	15° 3	19°58	n.a.	M 3
T 4	6 36 51	10°21'57	9♉47	4°20	8°47	22°18	5°D46	9°29	27°32	20°37	4°10	14° 5	15° 0	20° 5	n.a.	T 4
W 5	6 40 48	11°22'48	21°38	6° 1	10° 2	22°19	5°46	9°36	27°30	20°35	4°12	13°58	14°57	20°12	n.a.	W 5
T 6	6 44 44	12°23'37	3♊32	7°43	11°17	22°21	5°47	9°43	27°29	20°33	4°14	13°48	14°53	20°18	n.a.	T 6
F 7	6 48 41	13°24'25	15°33	9°25	12°32	22°23	5°47	9°50	27°27	20°32	4°16	13°38	14°50	20°25	n.a.	F 7
S 8	6 52 37	14°25'11	27°44	11° 8	13°48	22°27	5°48	9°58	27°25	20°30	4°18	13°26	14°47	20°32	n.a.	S 8
S 9	6 56 34	15°25'56	10♋ 5	12°52	15° 3	22°30	5°49	10° 5	27°24	20°28	4°19	13°14	14°44	20°38	n.a.	S 9
M10	7 0 30	16°26'40	22°37	14°37	16°18	22°35	5°50	10°12	27°22	20°27	4°21	13° 4	14°41	20°45	n.a.	M10
T 11	7 4 27	17°27'22	5♌19	16°23	17°33	22°40	5°51	10°19	27°20	20°25	4°23	12°56	14°37	20°52	n.a.	T 11
W12	7 8 23	18°28'02	18°13	18° 9	18°48	22°46	5°53	10°26	27°18	20°23	4°25	12°51	14°34	20°58	n.a.	W12
T 13	7 12 20	19°28'41	1♍18	19°57	20° 3	22°52	5°54	10°33	27°17	20°22	4°26	12°48	14°31	21° 5	n.a.	T 13
F 14	7 16 17	20°29'19	14°34	21°45	21°18	23° 0	5°56	10°41	27°15	20°20	4°28	12°D47	14°28	21°12	n.a.	F 14
S 15	7 20 13	21°29'55	28° 3	23°33	22°33	23° 7	5°58	10°48	27°13	20°18	4°29	12°48	14°25	21°19	n.a.	S 15
S 16	7 24 10	22°30'30	11♎44	25°23	23°48	23°16	6° 0	10°55	27°11	20°16	4°31	12°49	14°22	21°25	n.a.	S 16
M17	7 28 6	23°31'04	25°40	27°13	25° 3	23°25	6° 3	11° 2	27° 9	20°15	4°33	12°R50	14°18	21°32	n.a.	M17
T 18	7 32 3	24°31'36	9♏49	29° 4	26°18	23°34	6° 6	11° 9	27° 7	20°13	4°34	12°48	14°15	21°39	n.a.	T 18
W19	7 35 59	25°32'07	24°10	0♒55	27°33	23°44	6° 8	11°16	27° 5	20°11	4°36	12°45	14°12	21°45	n.a.	W19
T 20	7 39 56	26°32'36	8♐41	2°47	28°48	23°55	6°12	11°23	27° 3	20°10	4°37	12°40	14° 9	21°52	n.a.	T 20
F 21	7 43 52	27°33'04	23°17	4°39	0♒ 3	24° 6	6°15	11°30	27° 1	20° 8	4°39	12°34	14° 6	21°59	n.a.	F 21
S 22	7 47 49	28°33'31	7♑51	6°31	1°18	24°18	6°18	11°37	26°58	20° 6	4°40	12°26	14° 3	22° 6	n.a.	S 22
S 23	7 51 46	29°33'56	22°16	8°23	2°33	24°31	6°22	11°44	26°56	20° 5	4°42	12°19	13°59	22°12	n.a.	S 23
M24	7 55 42	0♒34'19	6♒26	10°16	3°48	24°44	6°26	11°51	26°54	20° 3	4°43	12°13	13°56	22°19	n.a.	M24
T 25	7 59 39	1°34'40	20°16	12° 7	5° 3	24°57	6°30	11°58	26°52	20° 1	4°45	12° 9	13°53	22°26	n.a.	T 25
W26	8 3 35	2°34'59	3♓43	13°58	6°18	25°11	6°34	12° 5	26°49	20° 0	4°46	12° 7	13°50	22°32	n.a.	W26
T 27	8 7 32	3°35'16	16°46	15°48	7°33	25°26	6°38	12°12	26°47	19°58	4°47	12°D 7	13°47	22°39	n.a.	T 27
F 28	8 11 28	4°35'31	29°28	17°37	8°48	25°41	6°43	12°19	26°45	19°57	4°49	12° 8	13°43	22°46	n.a.	F 28
S 29	8 15 25	5°35'44	11♈50	19°24	10° 3	25°56	6°47	12°25	26°42	19°55	4°50	12°10	13°40	22°53	n.a.	S 29
S 30	8 19 21	6°35'55	23°58	21° 9	11°18	26°12	6°52	12°32	26°40	19°53	4°51	12°11	13°37	22°59	n.a.	S 30
M31	8 23 18	7♒36'04	5♉55	22♒51	12♒33	26♉28	6♉57	12♑39	26♌38	19♋52	4♐52	12°R12	13♍34	23♉ 6	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s31	0n 1	1s43	25s25	1s42	24s27	0s49	21n15	2n47	12n48	0s51	23s37	0s13	13n12	0n48	22n12	0n 6	16s 7	5n11	6n18	5n55	13n24		n.a.
S 2	23 27	3 55	2 41	25 29	1 46	24 25	0 51	21 15	2 47	12 48	0 51	23 36	0 13	13 12	0 48	22 12	0 6	16 7	5 11	6 18	5 56	13 25		n.a.
M 3	23 23	7 35	3 31	25 30	1 49	24 23	0 53	21 15	2 47	12 48	0 51	23 36	0 13	13 13	0 48	22 13	0 6	16 8	5 11	6 18	5 57	13 27		n.a.
T 4	23 19	10 57	4 11	25 31	1 52	24 20	0 55	21 14	2 46	12 48	0 51	23 35	0 13	13 13	0 48	22 13	0 6	16 8	5 11	6 20	5 59	13 28		n.a.
W 5	23 14	13 52	4 41	25 29	1 54	24 17	0 57	21 14	2 46	12 49	0 50	23 35	0 13	13 14	0 48	22 13	0 6	16 8	5 11	6 23	6 0	13 30		n.a.
T 6	23 8	16 13	4 59	25 26	1 57	24 12	0 59	21 14	2 46	12 49	0 50	23 34	0 13	13 14	0 48	22 14	0 6	16 9	5 11	6 26	6 1	13 31		n.a.
F 7	23 2	17 54	5 3	25 21	1 58	24 7	1 0	21 15	2 46	12 49	0 50	23 34	0 13	13 15	0 48	22 14	0 6	16 9	5 11	6 31	6 2	13 33		n.a.
S 8	22 56	18 48	4 54	25 14	2 0	24 1	1 2	21 15	2 45	12 50	0 49	23 33	0 13	13 15	0 48	22 14	0 6	16 9	5 11	6 35	6 4	13 34		n.a.
S 9	22 49	18 49	4 31	25 6	2 1	23 55	1 4	21 16	2 45	12 50	0 49	23 33	0 13	13 16	0 48	22 14	0 6	16 10	5 11	6 40	6 5	13 35		n.a.
M10	22 42	17 56	3 55	24 55	2 1	23 47	1 5	21 17	2 44	12 51	0 49	23 32	0 13	13 17	0 48	22 15	0 6	16 10	5 11	6 44	6 6	13 37		n.a.
T 11	22 34	16 9	3 7	24 43	2 2	23 39	1 7	21 17	2 44	12 52	0 49	23 32	0 13	13 17	0 48	22 15	0 6	16 10	5 11	6 47	6 7	13 38		n.a.
W12	22 26	13 31	2 8	24 28	2 1	23 30	1 8	21 19	2 43	12 52	0 48	23 32	0 13	13 18	0 48	22 15	0 6	16 11	5 11	6 49	6 9	13 40		n.a.
T 13	22 17	10 11	1 1	24 12	2 1	23 21	1 9	21 20	2 43	12 53	0 48	23 31	0 13	13 19	0 48	22 15	0 6	16 11	5 11	6 50	6 10	13 41		n.a.
F 14	22 8	6 17	0n10	23 54	1 59	23 11	1 11	21 21	2 43	12 54	0 48	23 31	0 14	13 19	0 48	22 16	0 6	16 11	5 11	6 50	6 11	13 42		n.a.
S 15	21 59	2 2	1 21	23 34	1 58	23 0	1 12	21 23	2 42	12 55	0 48	23 30	0 14	13 20	0 48	22 16	0 6	16 11	5 11	6 50	6 12	13 44		n.a.
S 16	21 49	2s24	2 29	23 12	1 55	22 48	1 13	21 24	2 42	12 56	0 47	23 30	0 14	13 21	0 48	22 16	0 6	16 12	5 11	6 49	6 14	13 45		n.a.
M17	21 39	6 47	3 30	22 48	1 52	22 36	1 15	21 26	2 41	12 57	0 47	23 29	0 14	13 21	0 48	22 16	0 6	16 12	5 11	6 49	6 15	13 47		n.a.
T 18	21 28	10 50	4 19	22 22	1 49	22 23	1 16	21 28	2 40	12 58	0 47	23 28	0 14	13 22	0 48	22 17	0 6	16 12	5 11	6 50	6 16	13 48		n.a.
W19	21 17	14 19	4 52	21 54	1 45	22 9	1 17	21 30	2 40	13 0	0 46	23 28	0 14	13 23	0 48	22 17	0 6	16 12	5 11	6 51	6 17	13 49		n.a.
T 20	21 5	16 57	5 7	21 24	1 40	21 54	1 18	21 33	2 39	13 1	0 46	23 27	0 14	13 24	0 48	22 17	0 6	16 13	5 11	6 53	6 18	13 51		n.a.
F 21	20 54	18 30	5 3	20 52	1 35	21 39	1 19	21 35	2 39	13 2	0 46	23 27	0 14	13 24	0 48	22 18	0 6	16 13	5 11	6 55	6 20	13 52		n.a.
S 22	20 41	18 51	4 39	20 18	1 29	21 24	1 20	21 37	2 38	13 4	0 46	23 26	0 14	13 25	0 48	22 18	0 6	16 13	5 11	6 58	6 21	13 53		n.a.
S 23	20 29	17 58	3 57	19 42	1 23	21 8	1 21	21 40	2 38	13 5	0 45	23 26	0 14	13 26	0 48	22 18	0 6	16 13	5 11	7 1	6 22	13 55		n.a.
M24	20 16	15 58	3 1	19 5	1 15	20 51	1 21	21 43	2 37	13 7	0 45	23 25	0 14	13 27	0 48	22 18	0 6	16 14	5 11	7 3	6 23	13 56		n.a.
T 25	20 2	13 4	1 56	18 26	1 7	20 33	1 22	21 45	2 36	13 8	0 45	23 25	0 14	13 28	0 48	22 19	0 6	16 14	5 11	7 5	6 25	13 58		n.a.
W26	19 49	9 33	0 46	17 46	0 59	20 15	1 23	21 48	2 36	13 10	0 45	23 24	0 15	13 28	0 48	22 19	0 6	16 14	5 11	7 6	6 26	13 59		n.a.
T 27	19 35	5 40	0s25	17 4	0 49	19 56	1 23	21 51	2 35	13 11	0 44	23 24	0 15	13 29	0 48	22 19	0 6	16 14	5 11	7 6	6 27	14 0		n.a.
F 28	19 20	1 38	1 33	16 21	0 39	19 37	1 24	21 54	2 35	13 13	0 44	23 23	0 15	13 30	0 48	22 19	0 6	16 14	5 11	7 5	6 28	14 2		n.a.
S 29	19 6	2n22	2 35	15 38	0 29	19 17	1 25	21 57	2 34	13 15	0 44	23 23	0 15	13 31	0 48	22 20	0 6	16 15	5 11	7 5	6 30	14 3		n.a.
S 30	18 50	6 11	3 28	14 53	0 17	18 57	1 25	22 1	2 33	13 17	0 44	23 22	0 15	13 32	0 48	22 20	0 6	16 15	5 12	7 4	6 31	14 4		n.a.
M31	18s35	9n41	4s12	14s 8	0s 5	18s36	1s25	22n 4	2n33	13n19	0s43	23s21	0s15	13n33	0n49	22n20	0n 6	16s15	5n12	7n 4	6n32	14n 6		n.a.

Julian Day Number = 1641798.5, Delta T = 03h35m58s
Ecliptic obliquity = 23°43'08, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'44, Lahiri = - 6°57'44 Julian Calendar 1 Jan. 218 BCE == Greg. Calendar 28 Dec. 219 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

FEBRUARY 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 27 15	8♒36'10	17♉48	24♒30	13♒47	26♉45	7♉ 2	12♋46	26°R35	19°R50	4♐54	12°R12	13♍31	23♉13	n.a.	T 1
W 2	8 31 11	9°36'14	29°40	26° 6	15° 2	27° 2	7° 8	12°52	26♌33	19♋49	4°55	12♍10	13°28	23°19	n.a.	W 2
T 3	8 35 8	10°36'16	11♊36	27°37	16°17	27°20	7°13	12°59	26°30	19°47	4°56	12° 6	13°24	23°26	n.a.	T 3
F 4	8 39 4	11°36'16	23°41	29° 3	17°32	27°38	7°19	13° 6	26°28	19°45	4°57	12° 2	13°21	23°33	n.a.	F 4
S 5	8 43 1	12°36'13	5♋57	0♓24	18°47	27°56	7°25	13°12	26°25	19°44	4°58	11°57	13°18	23°40	n.a.	S 5
S 6	8 46 57	13°36'09	18°28	1°38	20° 1	28°15	7°31	13°19	26°23	19°42	4°59	11°52	13°15	23°46	n.a.	S 6
M 7	8 50 54	14°36'02	1♌13	2°47	21°16	28°34	7°37	13°25	26°20	19°41	5° 0	11°47	13°12	23°53	n.a.	M 7
T 8	8 54 50	15°35'53	14°14	3°48	22°31	28°54	7°44	13°32	26°18	19°39	5° 1	11°44	13° 9	24° 0	n.a.	T 8
W 9	8 58 47	16°35'42	27°30	4°42	23°45	29°14	7°50	13°38	26°15	19°38	5° 2	11°42	13° 5	24° 7	n.a.	W 9
T 10	9 2 44	17°35'29	10♍59	5°29	25° 0	29°34	7°57	13°45	26°13	19°37	5° 3	11°D41	13° 2	24°13	n.a.	T 10
F 11	9 6 40	18°35'14	24°40	6° 7	26°15	29°55	8° 4	13°51	26°10	19°35	5° 4	11°42	12°59	24°20	n.a.	F 11
S 12	9 10 37	19°34'57	8♎32	6°37	27°29	0♊16	8°11	13°57	26° 8	19°34	5° 5	11°43	12°56	24°27	n.a.	S 12
S 13	9 14 33	20°34'38	22°31	6°58	28°44	0°37	8°18	14° 4	26° 5	19°32	5° 6	11°44	12°53	24°33	n.a.	S 13
M14	9 18 30	21°34'17	6♏37	7°11	29°58	0°58	8°25	14°10	26° 2	19°31	5° 7	11°46	12°49	24°40	n.a.	M14
T 15	9 22 26	22°33'55	20°47	7°R16	1♓13	1°20	8°32	14°16	26° 0	19°29	5° 7	11°R46	12°46	24°47	n.a.	T 15
W16	9 26 23	23°33'31	5♐ 0	7°12	2°27	1°43	8°40	14°22	25°57	19°28	5° 8	11°46	12°43	24°54	n.a.	W16
T 17	9 30 19	24°33'05	19°12	7° 0	3°42	2° 5	8°48	14°28	25°55	19°27	5° 9	11°45	12°40	25° 0	n.a.	T 17
F 18	9 34 16	25°32'37	3♑23	6°41	4°56	2°28	8°56	14°34	25°52	19°26	5°10	11°43	12°37	25° 7	n.a.	F 18
S 19	9 38 12	26°32'07	17°27	6°14	6°11	2°51	9° 4	14°40	25°49	19°24	5°10	11°41	12°34	25°14	n.a.	S 19
S 20	9 42 9	27°31'36	1♒23	5°41	7°25	3°14	9°12	14°46	25°47	19°23	5°11	11°39	12°30	25°20	n.a.	S 20
M21	9 46 6	28°31'02	15° 6	5° 2	8°40	3°38	9°20	14°52	25°44	19°22	5°12	11°37	12°27	25°27	n.a.	M21
T 22	9 50 2	29°30'26	28°34	4°19	9°54	4° 2	9°28	14°58	25°42	19°21	5°12	11°36	12°24	25°34	n.a.	T 22
W23	9 53 59	0♓29'48	11♓45	3°32	11° 8	4°26	9°37	15° 4	25°39	19°19	5°13	11°D36	12°21	25°41	n.a.	W23
T 24	9 57 55	1°29'08	24°39	2°42	12°23	4°51	9°45	15° 9	25°36	19°18	5°13	11°36	12°18	25°47	n.a.	T 24
F 25	10 1 52	2°28'26	7♈16	1°50	13°37	5°15	9°54	15°15	25°34	19°17	5°14	11°37	12°14	25°54	n.a.	F 25
S 26	10 5 48	3°27'41	19°37	0°58	14°51	5°40	10° 3	15°21	25°31	19°16	5°14	11°38	12°11	26° 1	n.a.	S 26
S 27	10 9 45	4°26'54	1♉45	0° 7	16° 6	6° 6	10°12	15°26	25°29	19°15	5°14	11°39	12° 8	26° 7	n.a.	S 27
M28	10 13 41	5♓26'04	13♉44	29♒17	17♓20	6♊31	10♉21	15♋32	25♌26	19♋14	5♐15	11♍39	12♍ 5	26♉14	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s19	12n47	4s45	13s23	0n 7	18s15	1s26	22n 7	2n32	13n21	0s43	23s21	0s15	13n33	0n49	22n20	0n 6	16s15	5n12	7n 4	6n33	14n 7		n.a.
W 2	18 3	15 21	5 5	12 39	0 21	17 53	1 26	22 11	2 32	13 23	0 43	23 20	0 15	13 34	0 49	22 21	0 6	16 15	5 12	7 5	6 35	14 9		n.a.
T 3	17 47	17 17	5 12	11 55	0 34	17 30	1 26	22 14	2 31	13 25	0 43	23 20	0 15	13 35	0 49	22 21	0 6	16 15	5 12	7 6	6 36	14 10		n.a.
F 4	17 30	18 29	5 6	11 12	0 48	17 8	1 26	22 18	2 30	13 27	0 42	23 19	0 15	13 36	0 49	22 21	0 6	16 16	5 12	7 8	6 37	14 11		n.a.
S 5	17 13	18 50	4 45	10 30	1 2	16 44	1 26	22 22	2 30	13 29	0 42	23 19	0 15	13 37	0 49	22 21	0 6	16 16	5 12	7 10	6 38	14 13		n.a.
S 6	16 56	18 17	4 11	9 49	1 17	16 20	1 26	22 25	2 29	13 31	0 42	23 18	0 15	13 38	0 49	22 22	0 6	16 16	5 12	7 12	6 39	14 14		n.a.
M 7	16 39	16 48	3 24	9 11	1 31	15 56	1 26	22 29	2 28	13 34	0 42	23 17	0 16	13 39	0 49	22 22	0 6	16 16	5 12	7 13	6 41	14 15		n.a.
T 8	16 21	14 26	2 25	8 36	1 45	15 31	1 26	22 33	2 28	13 36	0 41	23 17	0 16	13 40	0 49	22 22	0 6	16 16	5 12	7 15	6 42	14 17		n.a.
W 9	16 3	11 17	1 17	8 2	2 0	15 6	1 26	22 37	2 27	13 38	0 41	23 16	0 16	13 40	0 49	22 22	0 6	16 16	5 12	7 15	6 43	14 18		n.a.
T 10	15 44	7 28	0 4	7 33	2 14	14 41	1 26	22 40	2 26	13 41	0 41	23 16	0 16	13 41	0 49	22 22	0 6	16 16	5 12	7 16	6 44	14 19		n.a.
F 11	15 26	3 13	1n11	7 6	2 27	14 15	1 25	22 44	2 26	13 43	0 41	23 15	0 16	13 42	0 49	22 23	0 6	16 16	5 12	7 15	6 46	14 21		n.a.
S 12	15 7	1s14	2 22	6 43	2 40	13 49	1 25	22 48	2 25	13 46	0 41	23 15	0 16	13 43	0 49	22 23	0 6	16 17	5 12	7 15	6 47	14 22		n.a.
S 13	14 48	5 40	3 26	6 24	2 52	13 22	1 24	22 52	2 25	13 48	0 40	23 14	0 16	13 44	0 49	22 23	0 6	16 17	5 12	7 14	6 48	14 23		n.a.
M14	14 29	9 49	4 18	6 8	3 3	12 55	1 24	22 56	2 24	13 51	0 40	23 13	0 16	13 45	0 49	22 23	0 7	16 17	5 12	7 14	6 49	14 25		n.a.
T 15	14 9	13 25	4 55	5 57	3 13	12 28	1 23	23 0	2 23	13 53	0 40	23 13	0 16	13 46	0 49	22 24	0 7	16 17	5 12	7 14	6 51	14 26		n.a.
W16	13 49	16 15	5 13	5 51	3 22	12 0	1 23	23 4	2 23	13 56	0 40	23 12	0 16	13 47	0 49	22 24	0 7	16 17	5 12	7 14	6 52	14 27		n.a.
T 17	13 29	18 5	5 13	5 48	3 30	11 32	1 22	23 8	2 22	13 59	0 39	23 12	0 16	13 48	0 49	22 24	0 7	16 17	5 13	7 14	6 53	14 29		n.a.
F 18	13 9	18 47	4 53	5 50	3 36	11 4	1 21	23 12	2 21	14 1	0 39	23 11	0 17	13 48	0 49	22 24	0 7	16 17	5 13	7 15	6 54	14 30		n.a.
S 19	12 49	18 20	4 16	5 56	3 40	10 35	1 20	23 16	2 21	14 4	0 39	23 11	0 17	13 49	0 49	22 24	0 7	16 17	5 13	7 16	6 55	14 31		n.a.
S 20	12 28	16 46	3 24	6 5	3 42	10 7	1 19	23 20	2 20	14 7	0 39	23 10	0 17	13 50	0 49	22 25	0 7	16 17	5 13	7 17	6 57	14 33		n.a.
M21	12 8	14 15	2 21	6 19	3 43	9 38	1 18	23 24	2 19	14 10	0 38	23 9	0 17	13 51	0 49	22 25	0 7	16 17	5 13	7 17	6 58	14 34		n.a.
T 22	11 47	11 0	1 12	6 36	3 42	9 8	1 17	23 28	2 19	14 13	0 38	23 9	0 17	13 52	0 49	22 25	0 7	16 17	5 13	7 18	6 59	14 35		n.a.
W23	11 26	7 15	0s 1	6 56	3 39	8 39	1 16	23 32	2 18	14 16	0 38	23 8	0 17	13 53	0 49	22 25	0 7	16 17	5 13	7 18	7 0	14 37		n.a.
T 24	11 4	3 15	1 12	7 18	3 34	8 9	1 15	23 36	2 17	14 19	0 38	23 8	0 17	13 54	0 49	22 25	0 7	16 17	5 13	7 18	7 2	14 38		n.a.
F 25	10 43	0n49	2 17	7 43	3 28	7 39	1 14	23 40	2 17	14 22	0 38	23 7	0 17	13 55	0 49	22 25	0 7	16 17	5 13	7 17	7 3	14 39		n.a.
S 26	10 21	4 45	3 15	8 9	3 19	7 9	1 13	23 44	2 16	14 25	0 37	23 7	0 17	13 56	0 49	22 26	0 7	16 17	5 13	7 17	7 4	14 41		n.a.
S 27	9 59	8 25	4 4	8 36	3 10	6 38	1 11	23 48	2 16	14 28	0 37	23 6	0 17	13 56	0 49	22 26	0 7	16 17	5 13	7 17	7 5	14 42		n.a.
M28	9s38	11n41	4s40	9s 4	2n59	6s 8	1s10	23n52	2n15	14n31	0s37	23s 6	0s18	13n57	0n49	22n26	0n 7	16s17	5n13	7n16	7n 7	14n43		n.a.

Julian Day Number = 1641829.5, Delta T = 03h35m57s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'40, Lahiri = - 6°57'39 Julian Calendar 1 Feb. 218 BCE == Greg. Calendar 28 Jan. 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

MARCH 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 17 38	6♓25'12	25♉38	28°R29	18♓34	6♊57	10♉30	15♋37	25°R23	19°R13	5♐15	11♍40	12♍ 2	26♉21	n.a.	T 1
W 2	10 21 35	7°24'18	7♊31	27♒45	19°48	7°23	10°40	15°42	25♌21	19♋12	5°16	11°R40	11°59	26°28	n.a.	W 2
T 3	10 25 31	8°23'22	19°27	27° 4	21° 3	7°49	10°49	15°48	25°18	19°11	5°16	11°40	11°55	26°34	n.a.	T 3
F 4	10 29 28	9°22'23	1♋33	26°28	22°17	8°15	10°59	15°53	25°16	19°10	5°16	11°40	11°52	26°41	n.a.	F 4
S 5	10 33 24	10°21'21	13°50	25°56	23°31	8°42	11° 9	15°58	25°13	19° 9	5°16	11°39	11°49	26°48	n.a.	S 5
S 6	10 37 21	11°20'18	26°25	25°30	24°45	9° 8	11°18	16° 3	25°11	19° 8	5°17	11°D39	11°46	26°54	n.a.	S 6
M 7	10 41 17	12°19'12	9♌18	25° 9	25°59	9°35	11°28	16° 8	25° 8	19° 7	5°17	11°39	11°43	27° 1	n.a.	M 7
T 8	10 45 14	13°18'03	22°32	24°53	27°13	10° 2	11°38	16°13	25° 6	19° 6	5°17	11°39	11°40	27° 8	n.a.	T 8
W 9	10 49 10	14°16'53	6♍ 6	24°43	28°27	10°30	11°48	16°18	25° 4	19° 5	5°17	11°R39	11°36	27°15	n.a.	W 9
T 10	10 53 7	15°15'40	19°59	24°D39	29°41	10°57	11°59	16°23	25° 1	19° 5	5°17	11°39	11°33	27°21	n.a.	T 10
F 11	10 57 3	16°14'25	4♎ 7	24°40	0♈55	11°25	12° 9	16°28	24°59	19° 4	5°17	11°39	11°30	27°28	n.a.	F 11
S 12	11 1 0	17°13'09	18°27	24°46	2° 9	11°53	12°19	16°32	24°56	19° 3	5°R17	11°39	11°27	27°35	n.a.	S 12
S 13	11 4 57	18°11'50	2♏53	24°57	3°23	12°21	12°30	16°37	24°54	19° 2	5°17	11°38	11°24	27°41	n.a.	S 13
M14	11 8 53	19°10'29	17°21	25°14	4°37	12°49	12°41	16°41	24°52	19° 2	5°17	11°37	11°20	27°48	n.a.	M14
T 15	11 12 50	20° 9'07	1♐45	25°35	5°51	13°17	12°51	16°46	24°50	19° 1	5°17	11°37	11°17	27°55	n.a.	T 15
W16	11 16 46	21° 7'43	16° 2	26° 0	7° 4	13°46	13° 2	16°50	24°47	19° 0	5°17	11°D36	11°14	28° 2	n.a.	W16
T 17	11 20 43	22° 6'18	0♑ 9	26°30	8°18	14°15	13°13	16°55	24°45	19° 0	5°17	11°36	11°11	28° 8	n.a.	T 17
F 18	11 24 39	23° 4'51	14° 4	27° 4	9°32	14°43	13°24	16°59	24°43	18°59	5°16	11°37	11° 8	28°15	n.a.	F 18
S 19	11 28 36	24° 3'22	27°47	27°42	10°46	15°12	13°35	17° 3	24°41	18°59	5°16	11°38	11° 5	28°22	n.a.	S 19
S 20	11 32 32	25° 1'51	11♒16	28°24	11°59	15°42	13°46	17° 7	24°39	18°58	5°16	11°39	11° 1	28°29	n.a.	S 20
M21	11 36 29	26° 0'18	24°33	29°10	13°13	16°11	13°57	17°11	24°36	18°58	5°16	11°40	10°58	28°35	n.a.	M21
T 22	11 40 26	26°58'44	7♓36	29°59	14°27	16°40	14° 9	17°15	24°34	18°57	5°15	11°R40	10°55	28°42	n.a.	T 22
W23	11 44 22	27°57'07	20°26	0♓51	15°40	17°10	14°20	17°19	24°32	18°57	5°15	11°40	10°52	28°49	n.a.	W23
T 24	11 48 19	28°55'29	3♈ 4	1°46	16°54	17°40	14°32	17°23	24°30	18°57	5°15	11°39	10°49	28°55	n.a.	T 24
F 25	11 52 15	29°53'49	15°29	2°45	18° 8	18°10	14°43	17°26	24°28	18°56	5°14	11°37	10°45	29° 2	n.a.	F 25
S 26	11 56 12	0♈52'07	27°43	3°46	19°21	18°40	14°55	17°30	24°26	18°56	5°14	11°35	10°42	29° 9	n.a.	S 26
S 27	12 0 8	1°50'23	9♉48	4°50	20°35	19°10	15° 6	17°34	24°24	18°56	5°14	11°31	10°39	29°16	n.a.	S 27
M28	12 4 5	2°48'37	21°45	5°57	21°48	19°40	15°18	17°37	24°23	18°56	5°13	11°28	10°36	29°22	n.a.	M28
T 29	12 8 1	3°46'48	3♊38	7° 6	23° 2	20°11	15°30	17°40	24°21	18°55	5°13	11°25	10°33	29°29	n.a.	T 29
W30	12 11 58	4°44'58	15°31	8°18	24°15	20°41	15°42	17°44	24°19	18°55	5°12	11°23	10°30	29°36	n.a.	W30
T 31	12 15 54	5♈43'06	27♊26	9♓32	25♈29	21♊12	15♉54	17♋47	24♌17	18♋55	5♐11	11♍21	10♍26	29♉42	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9s16	14n27	5s 5	9s33	2n46	5s37	1s 9	23n56	2n14	14n34	0s37	23s 5	0s18	13n58	0n49	22n26	0n 7	16s17	5n13	7n16	7n 8	14n45			n.a.
W 2	8 53	16 37	5 16	10 0	2 33	5 6	1 7	24 0	2 14	14 37	0 37	23 5	0 18	13 59	0 49	22 26	0 7	16 17	5 13	7 16	7 9	14 46			n.a.
T 3	8 31	18 4	5 14	10 28	2 19	4 36	1 6	24 3	2 13	14 40	0 36	23 4	0 18	14 0	0 49	22 26	0 7	16 17	5 13	7 16	7 10	14 47			n.a.
F 4	8 9	18 44	4 58	10 54	2 4	4 5	1 4	24 7	2 12	14 43	0 36	23 3	0 18	14 1	0 49	22 27	0 7	16 17	5 14	7 16	7 11	14 49			n.a.
S 5	7 46	18 32	4 29	11 19	1 49	3 33	1 2	24 11	2 12	14 47	0 36	23 3	0 18	14 2	0 49	22 27	0 7	16 17	5 14	7 16	7 13	14 50			n.a.
S 6	7 24	17 26	3 46	11 42	1 33	3 2	1 1	24 14	2 11	14 50	0 36	23 2	0 18	14 2	0 49	22 27	0 7	16 17	5 14	7 16	7 14	14 51			n.a.
M 7	7 1	15 24	2 50	12 4	1 18	2 31	0 59	24 18	2 11	14 53	0 36	23 2	0 18	14 3	0 49	22 27	0 7	16 17	5 14	7 16	7 15	14 53			n.a.
T 8	6 38	12 32	1 44	12 24	1 2	1 59	0 57	24 21	2 10	14 56	0 35	23 1	0 18	14 4	0 49	22 27	0 7	16 17	5 14	7 16	7 16	14 54			n.a.
W 9	6 15	8 54	0 31	12 42	0 47	1 28	0 55	24 25	2 9	15 0	0 35	23 1	0 18	14 5	0 49	22 27	0 7	16 17	5 14	7 16	7 18	14 55			n.a.
T 10	5 52	4 43	0n46	12 57	0 32	0 56	0 53	24 28	2 9	15 3	0 35	23 0	0 19	14 6	0 49	22 27	0 7	16 17	5 14	7 16	7 19	14 56			n.a.
F 11	5 29	0 12	2 1	13 11	0 17	0 25	0 51	24 32	2 8	15 6	0 35	23 0	0 19	14 6	0 49	22 27	0 7	16 17	5 14	7 16	7 20	14 58			n.a.
S 12	5 6	4s23	3 10	13 22	0 3	0n 7	0 49	24 35	2 7	15 10	0 35	22 59	0 19	14 7	0 49	22 28	0 7	16 17	5 14	7 17	7 21	14 59			n.a.
S 13	4 43	8 45	4 7	13 32	0s11	0 38	0 47	24 38	2 7	15 13	0 35	22 59	0 19	14 8	0 49	22 28	0 7	16 17	5 14	7 17	7 22	15 0			n.a.
M14	4 20	12 35	4 49	13 39	0 24	1 10	0 45	24 41	2 6	15 17	0 34	22 59	0 19	14 9	0 49	22 28	0 7	16 17	5 14	7 17	7 24	15 2			n.a.
T 15	3 57	15 39	5 12	13 43	0 37	1 41	0 43	24 44	2 6	15 20	0 34	22 58	0 19	14 10	0 48	22 28	0 7	16 17	5 14	7 17	7 25	15 3			n.a.
W16	3 33	17 45	5 16	13 46	0 49	2 13	0 41	24 47	2 5	15 24	0 34	22 58	0 19	14 10	0 48	22 28	0 7	16 17	5 14	7 18	7 26	15 4			n.a.
T 17	3 10	18 43	5 0	13 47	1 1	2 44	0 39	24 50	2 4	15 27	0 34	22 57	0 19	14 11	0 48	22 28	0 7	16 17	5 14	7 18	7 27	15 5			n.a.
F 18	2 47	18 32	4 27	13 45	1 12	3 16	0 37	24 53	2 4	15 31	0 34	22 57	0 19	14 12	0 48	22 28	0 7	16 16	5 14	7 17	7 29	15 7			n.a.
S 19	2 23	17 16	3 40	13 42	1 22	3 47	0 34	24 56	2 3	15 34	0 33	22 56	0 19	14 12	0 48	22 28	0 7	16 16	5 14	7 17	7 30	15 8			n.a.
S 20	2 0	15 2	2 40	13 36	1 32	4 18	0 32	24 58	2 3	15 38	0 33	22 56	0 20	14 13	0 48	22 28	0 7	16 16	5 15	7 17	7 31	15 9			n.a.
M21	1 36	12 2	1 33	13 29	1 41	4 49	0 30	25 1	2 2	15 41	0 33	22 56	0 20	14 14	0 48	22 28	0 7	16 16	5 15	7 16	7 32	15 10			n.a.
T 22	1 13	8 28	0 23	13 19	1 50	5 20	0 27	25 3	2 1	15 45	0 33	22 55	0 20	14 15	0 48	22 28	0 7	16 16	5 15	7 16	7 33	15 12			n.a.
W23	0 49	4 34	0s48	13 8	1 57	5 51	0 25	25 6	2 1	15 48	0 33	22 55	0 20	14 15	0 48	22 29	0 7	16 16	5 15	7 16	7 35	15 13			n.a.
T 24	0 26	0 32	1 55	12 54	2 5	6 22	0 23	25 8	2 0	15 52	0 33	22 54	0 20	14 16	0 48	22 29	0 7	16 16	5 15	7 16	7 36	15 14			n.a.
F 25	0 2	3n28	2 56	12 39	2 11	6 53	0 20	25 10	2 0	15 56	0 32	22 54	0 20	14 17	0 48	22 29	0 7	16 16	5 15	7 17	7 37	15 16			n.a.
S 26	0n21	7 15	3 47	12 22	2 17	7 23	0 18	25 12	1 59	15 59	0 32	22 54	0 20	14 17	0 48	22 29	0 7	16 16	5 15	7 18	7 38	15 17			n.a.
S 27	0 44	10 41	4 28	12 3	2 22	7 54	0 15	25 14	1 58	16 3	0 32	22 53	0 20	14 18	0 48	22 29	0 7	16 15	5 15	7 19	7 40	15 18			n.a.
M28	1 8	13 39	4 56	11 43	2 27	8 24	0 13	25 16	1 58	16 6	0 32	22 53	0 20	14 18	0 48	22 29	0 7	16 15	5 15	7 21	7 41	15 19			n.a.
T 29	1 31	16 2	5 11	11 20	2 31	8 54	0 10	25 18	1 57	16 10	0 32	22 53	0 21	14 19	0 48	22 29	0 7	16 15	5 15	7 22	7 42	15 21			n.a.
W30	1 55	17 44	5 13	10 56	2 35	9 24	0 8	25 20	1 57	16 14	0 32	22 52	0 21	14 20	0 48	22 29	0 7	16 15	5 15	7 23	7 43	15 22			n.a.
T 31	2n18	18n40	5s 2	10s31	2s37	9n53	0s 5	25n21	1n56	16n17	0s31	22s52	0s21	14n20	0n48	22n29	0n 7	16s15	5n15	7n23	7n44	15n23			n.a.

Julian Day Number = 1641857.5, Delta T = 03h35m56s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'36, Lahiri = - 6°57'36 Julian Calendar 1 March 218 BCE == Greg. Calendar 25 Feb. 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

APRIL 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 19 51	6♈41'12	9♋30	10♓49	26♈42	21♊43	16♉ 6	17♑50	24°R15	18°R55	5°R11	11°D21	10♍23	29♉49	n.a.	F 1
S 2	12 23 48	7°39'15	21°45	12° 7	27°55	22°14	16°18	17°53	24♌14	18♋55	5♐10	11♍22	10°20	29°56	n.a.	S 2
S 3	12 27 44	8°37'17	4♌18	13°28	29° 9	22°45	16°30	17°56	24°12	18°55	5°10	11°23	10°17	0♊ 3	n.a.	S 3
M 4	12 31 41	9°35'17	17°12	14°52	0♉22	23°16	16°43	17°59	24°11	18°D55	5° 9	11°25	10°14	0° 9	n.a.	M 4
T 5	12 35 37	10°33'14	0♍29	16°17	1°35	23°47	16°55	18° 1	24° 9	18°55	5° 8	11°26	10°11	0°16	n.a.	T 5
W 6	12 39 34	11°31'10	14°13	17°44	2°48	24°19	17° 7	18° 4	24° 8	18°55	5° 7	11°R26	10° 7	0°23	n.a.	W 6
T 7	12 43 30	12°29'04	28°20	19°14	4° 1	24°50	17°20	18° 7	24° 6	18°55	5° 7	11°26	10° 4	0°29	n.a.	T 7
F 8	12 47 27	13°26'56	12♎50	20°45	5°15	25°22	17°32	18° 9	24° 5	18°55	5° 6	11°23	10° 1	0°36	n.a.	F 8
S 9	12 51 23	14°24'47	27°35	22°19	6°28	25°53	17°45	18°12	24° 3	18°55	5° 5	11°19	9°58	0°43	n.a.	S 9
S 10	12 55 20	15°22'36	12♏28	23°55	7°41	26°25	17°57	18°14	24° 2	18°55	5° 4	11°15	9°55	0°50	n.a.	S 10
M11	12 59 17	16°20'24	27°22	25°32	8°54	26°57	18°10	18°16	24° 1	18°56	5° 3	11°10	9°51	0°56	n.a.	M11
T 12	13 3 13	17°18'10	12♐ 7	27°12	10° 7	27°29	18°22	18°18	23°59	18°56	5° 3	11° 5	9°48	1° 3	n.a.	T 12
W13	13 7 10	18°15'55	26°38	28°54	11°20	28° 1	18°35	18°20	23°58	18°56	5° 2	11° 2	9°45	1°10	n.a.	W13
T 14	13 11 6	19°13'39	10♑51	0♈37	12°33	28°33	18°48	18°22	23°57	18°57	5° 1	11° 0	9°42	1°17	n.a.	T 14
F 15	13 15 3	20°11'22	24°43	2°23	13°45	29° 6	19° 1	18°24	23°56	18°57	5° 0	11°D 0	9°39	1°23	n.a.	F 15
S 16	13 18 59	21° 9'04	8♒15	4°11	14°58	29°38	19°14	18°26	23°55	18°57	4°59	11° 1	9°36	1°30	n.a.	S 16
S 17	13 22 56	22° 6'44	21°28	6° 1	16°11	0♋10	19°26	18°27	23°54	18°58	4°58	11° 2	9°32	1°37	n.a.	S 17
M18	13 26 52	23° 4'24	4♓26	7°53	17°24	0°43	19°39	18°29	23°53	18°58	4°57	11° 3	9°29	1°43	n.a.	M18
T 19	13 30 49	24° 2'02	17° 9	9°46	18°37	1°16	19°52	18°30	23°52	18°59	4°56	11°R 3	9°26	1°50	n.a.	T 19
W20	13 34 46	24°59'39	29°40	11°42	19°50	1°48	20° 5	18°32	23°51	18°59	4°55	11° 2	9°23	1°57	n.a.	W20
T 21	13 38 42	25°57'14	12♈ 0	13°40	21° 2	2°21	20°19	18°33	23°50	19° 0	4°54	10°58	9°20	2° 4	n.a.	T 21
F 22	13 42 39	26°54'49	24°13	15°39	22°15	2°54	20°32	18°34	23°50	19° 0	4°52	10°52	9°16	2°10	n.a.	F 22
S 23	13 46 35	27°52'22	6♉18	17°41	23°28	3°27	20°45	18°35	23°49	19° 1	4°51	10°44	9°13	2°17	n.a.	S 23
S 24	13 50 32	28°49'54	18°16	19°44	24°40	4° 0	20°58	18°36	23°48	19° 2	4°50	10°35	9°10	2°24	n.a.	S 24
M25	13 54 28	29°47'25	0♊11	21°49	25°53	4°34	21°11	18°37	23°48	19° 2	4°49	10°26	9° 7	2°30	n.a.	M25
T 26	13 58 25	0♉44'54	12° 3	23°55	27° 5	5° 7	21°24	18°38	23°47	19° 3	4°48	10°18	9° 4	2°37	n.a.	T 26
W27	14 2 21	1°42'22	23°54	26° 3	28°18	5°40	21°38	18°38	23°47	19° 4	4°47	10°10	9° 1	2°44	n.a.	W27
T 28	14 6 18	2°39'49	5♋49	28°12	29°30	6°14	21°51	18°39	23°46	19° 4	4°45	10° 5	8°57	2°51	n.a.	T 28
F 29	14 10 14	3°37'14	17°51	0♉22	0♊43	6°47	22° 4	18°39	23°46	19° 5	4°44	10° 1	8°54	2°57	n.a.	F 29
S 30	14 14 11	4♉34'38	0♌ 4	2♉33	1♊55	7♋21	22♉18	18♑40	23♌46	19♋ 6	4♐43	10°D 0	8♍51	3♊ 4	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n41	18n46	4s37	10s 3	2s40	10n22	0s 2	25n23	1n56	16n21	0s31	22s52	0s21	14n21	0n48	22n29	0n 7	16s15	5n15	7n23	7n46	15n24		n.a.
S 2	3 4	18 0	4 0	9 34	2 41	10 52	0n 0	25 24	1 55	16 25	0 31	22 51	0 21	14 21	0 48	22 29	0 7	16 15	5 15	7 23	7 47	15 26		n.a.
S 3	3 27	16 20	3 10	9 4	2 42	11 20	0 3	25 25	1 54	16 28	0 31	22 51	0 21	14 22	0 48	22 29	0 7	16 14	5 15	7 23	7 48	15 27		n.a.
M 4	3 50	13 49	2 9	8 32	2 43	11 49	0 5	25 26	1 54	16 32	0 31	22 51	0 21	14 22	0 48	22 29	0 7	16 14	5 15	7 22	7 49	15 28		n.a.
T 5	4 14	10 30	1 0	7 58	2 43	12 17	0 8	25 27	1 53	16 36	0 31	22 51	0 21	14 23	0 48	22 29	0 7	16 14	5 15	7 21	7 50	15 29		n.a.
W 6	4 36	6 31	0n15	7 23	2 42	12 45	0 11	25 28	1 53	16 39	0 31	22 50	0 22	14 23	0 48	22 29	0 7	16 14	5 15	7 21	7 52	15 31		n.a.
T 7	4 59	2 4	1 31	6 46	2 40	13 13	0 13	25 29	1 52	16 43	0 30	22 50	0 22	14 24	0 48	22 29	0 7	16 14	5 15	7 22	7 53	15 32		n.a.
F 8	5 22	2s37	2 43	6 8	2 39	13 40	0 16	25 30	1 52	16 47	0 30	22 50	0 22	14 24	0 48	22 29	0 7	16 14	5 15	7 23	7 54	15 33		n.a.
S 9	5 45	7 14	3 45	5 28	2 36	14 7	0 19	25 30	1 51	16 50	0 30	22 50	0 22	14 25	0 48	22 29	0 7	16 13	5 15	7 24	7 55	15 34		n.a.
S 10	6 7	11 26	4 33	4 47	2 33	14 34	0 21	25 31	1 50	16 54	0 30	22 49	0 22	14 25	0 48	22 29	0 7	16 13	5 16	7 26	7 57	15 35		n.a.
M11	6 30	14 54	5 2	4 4	2 29	15 0	0 24	25 31	1 50	16 58	0 30	22 49	0 22	14 25	0 48	22 29	0 7	16 13	5 16	7 28	7 58	15 37		n.a.
T 12	6 52	17 22	5 11	3 20	2 25	15 26	0 27	25 31	1 49	17 1	0 30	22 49	0 22	14 26	0 48	22 29	0 7	16 13	5 16	7 30	7 59	15 38		n.a.
W13	7 15	18 41	5 0	2 35	2 20	15 52	0 29	25 31	1 49	17 5	0 30	22 49	0 22	14 26	0 48	22 29	0 7	16 13	5 16	7 31	8 0	15 39		n.a.
T 14	7 37	18 47	4 30	1 49	2 15	16 17	0 32	25 31	1 48	17 9	0 29	22 49	0 22	14 26	0 48	22 29	0 7	16 12	5 16	7 31	8 1	15 40		n.a.
F 15	7 59	17 44	3 45	1 1	2 9	16 42	0 35	25 31	1 48	17 12	0 29	22 49	0 23	14 27	0 48	22 29	0 7	16 12	5 16	7 32	8 3	15 42		n.a.
S 16	8 21	15 42	2 49	0 12	2 3	17 7	0 37	25 30	1 47	17 16	0 29	22 49	0 23	14 27	0 48	22 29	0 7	16 12	5 16	7 31	8 4	15 43		n.a.
S 17	8 43	12 52	1 44	0n38	1 56	17 30	0 40	25 30	1 46	17 20	0 29	22 48	0 23	14 27	0 48	22 29	0 7	16 12	5 16	7 31	8 5	15 44		n.a.
M18	9 4	9 27	0 36	1 30	1 49	17 54	0 42	25 29	1 46	17 23	0 29	22 48	0 23	14 28	0 48	22 29	0 7	16 12	5 16	7 30	8 6	15 45		n.a.
T 19	9 26	5 38	0s33	2 22	1 41	18 17	0 45	25 28	1 45	17 27	0 29	22 48	0 23	14 28	0 47	22 29	0 7	16 12	5 16	7 30	8 7	15 46		n.a.
W20	9 47	1 39	1 39	3 15	1 33	18 40	0 48	25 27	1 45	17 31	0 29	22 48	0 23	14 28	0 47	22 28	0 7	16 11	5 16	7 31	8 9	15 48		n.a.
T 21	10 8	2n22	2 39	4 10	1 24	19 2	0 50	25 26	1 44	17 34	0 28	22 48	0 23	14 28	0 47	22 28	0 7	16 11	5 16	7 32	8 10	15 49		n.a.
F 22	10 29	6 13	3 31	5 5	1 15	19 23	0 53	25 25	1 44	17 38	0 28	22 48	0 23	14 29	0 47	22 28	0 7	16 11	5 16	7 35	8 11	15 50		n.a.
S 23	10 50	9 47	4 13	6 0	1 6	19 45	0 55	25 24	1 43	17 42	0 28	22 48	0 24	14 29	0 47	22 28	0 7	16 11	5 16	7 38	8 12	15 51		n.a.
S 24	11 11	12 56	4 44	6 57	0 56	20 5	0 58	25 22	1 43	17 45	0 28	22 48	0 24	14 29	0 47	22 28	0 7	16 11	5 16	7 41	8 13	15 52		n.a.
M25	11 32	15 31	5 2	7 53	0 46	20 25	1 0	25 20	1 42	17 49	0 28	22 48	0 24	14 29	0 47	22 28	0 7	16 10	5 16	7 44	8 15	15 54		n.a.
T 26	11 52	17 26	5 6	8 50	0 36	20 45	1 2	25 19	1 41	17 53	0 28	22 48	0 24	14 29	0 47	22 28	0 7	16 10	5 16	7 48	8 16	15 55		n.a.
W27	12 12	18 37	4 58	9 47	0 25	21 4	1 5	25 17	1 41	17 56	0 28	22 48	0 24	14 29	0 47	22 28	0 7	16 10	5 16	7 51	8 17	15 56		n.a.
T 28	12 32	18 59	4 36	10 44	0 15	21 22	1 7	25 15	1 40	18 0	0 28	22 48	0 24	14 30	0 47	22 28	0 7	16 10	5 16	7 53	8 18	15 57		n.a.
F 29	12 52	18 30	4 3	11 40	0 4	21 40	1 9	25 12	1 40	18 3	0 27	22 48	0 24	14 30	0 47	22 28	0 7	16 9	5 16	7 54	8 19	15 58		n.a.
S 30	13n12	17n10	3s17	12n36	0n 7	21n57	1n12	25n10	1n39	18n 7	0s27	22s48	0s24	14n30	0n47	22n28	0n 7	16s 9	5n16	7n55	8n21	16n 0		n.a.

Julian Day Number = 1641888.5, Delta T = 03h35m55s
Ecliptic obliquity = 23°43'10, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'32, Lahiri = - 6°57'31 Julian Calendar 1 Apr. 218 BCE == Greg. Calendar 28 March 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

MAY 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 18 8	5♉32'01	12♌33	4♉45	3♊ 7	7♋55	22♉31	18♂40	23°R45	19♋ 7	4°R42	10♍ 0	8♍48	3♊11	n.a.	S 1
M 2	14 22 4	6°29'23	25°23	6°56	4°20	8°28	22°44	18°40	23♌45	19° 8	4♐40	10° 1	8°45	3°18	n.a.	M 2
T 3	14 26 1	7°26'43	8♍37	9° 8	5°32	9° 2	22°58	18°R40	23°45	19° 9	4°39	10°R 1	8°42	3°24	n.a.	T 3
W 4	14 29 57	8°24'02	22°19	11°20	6°44	9°36	23°11	18°40	23°45	19°10	4°38	10° 1	8°38	3°31	n.a.	W 4
T 5	14 33 54	9°21'20	6♎30	13°31	7°56	10°10	23°25	18°40	23°45	19°11	4°36	9°58	8°35	3°38	n.a.	T 5
F 6	14 37 50	10°18'37	21° 7	15°41	9° 8	10°44	23°38	18°40	23°D45	19°12	4°35	9°53	8°32	3°44	n.a.	F 6
S 7	14 41 47	11°15'52	6♏ 6	17°50	10°20	11°18	23°52	18°39	23°45	19°13	4°34	9°46	8°29	3°51	n.a.	S 7
S 8	14 45 43	12°13'07	21°18	19°58	11°33	11°52	24° 5	18°39	23°45	19°14	4°32	9°37	8°26	3°58	n.a.	S 8
M 9	14 49 40	13°10'22	6♐31	22° 4	12°45	12°27	24°19	18°38	23°45	19°15	4°31	9°28	8°22	4° 5	n.a.	M 9
T 10	14 53 37	14° 7'36	21°37	24° 9	13°56	13° 1	24°33	18°38	23°45	19°16	4°29	9°20	8°19	4°11	n.a.	T 10
W11	14 57 33	15° 4'49	6♑25	26°12	15° 8	13°35	24°46	18°37	23°45	19°17	4°28	9°13	8°16	4°18	n.a.	W11
T 12	15 1 30	16° 2'02	20°49	28°13	16°20	14°10	25° 0	18°36	23°46	19°18	4°26	9° 8	8°13	4°25	n.a.	T 12
F 13	15 5 26	16°59'14	4♒47	0♊12	17°32	14°44	25°13	18°35	23°46	19°20	4°25	9° 6	8°10	4°32	n.a.	F 13
S 14	15 9 23	17°56'26	18°19	2° 9	18°44	15°19	25°27	18°34	23°46	19°21	4°24	9°D 5	8° 7	4°38	n.a.	S 14
S 15	15 13 19	18°53'38	1♓27	4° 4	19°56	15°54	25°41	18°33	23°47	19°22	4°22	9° 6	8° 3	4°45	n.a.	S 15
M16	15 17 16	19°50'49	14°15	5°56	21° 7	16°28	25°54	18°32	23°47	19°23	4°21	9°R 6	8° 0	4°52	n.a.	M16
T 17	15 21 13	20°48'00	26°46	7°47	22°19	17° 3	26° 8	18°31	23°48	19°25	4°19	9° 4	7°57	4°58	n.a.	T 17
W18	15 25 9	21°45'11	9♈ 5	9°35	23°30	17°38	26°21	18°29	23°49	19°26	4°18	9° 1	7°54	5° 5	n.a.	W18
T 19	15 29 6	22°42'22	21°14	11°20	24°42	18°13	26°35	18°28	23°49	19°27	4°16	8°55	7°51	5°12	n.a.	T 19
F 20	15 33 2	23°39'32	3♉16	13° 3	25°54	18°48	26°49	18°26	23°50	19°29	4°15	8°46	7°48	5°19	n.a.	F 20
S 21	15 36 59	24°36'42	15°13	14°44	27° 5	19°23	27° 3	18°25	23°51	19°30	4°13	8°34	7°44	5°25	n.a.	S 21
S 22	15 40 55	25°33'51	27° 7	16°22	28°16	19°58	27°16	18°23	23°52	19°32	4°12	8°22	7°41	5°32	n.a.	S 22
M23	15 44 52	26°31'01	8♊59	17°58	29°28	20°34	27°30	18°21	23°52	19°33	4°10	8° 8	7°38	5°39	n.a.	M23
T 24	15 48 48	27°28'10	20°50	19°32	0♋39	21° 9	27°44	18°19	23°53	19°35	4° 9	7°55	7°35	5°45	n.a.	T 24
W25	15 52 45	28°25'19	2♋44	21° 3	1°50	21°44	27°57	18°17	23°54	19°36	4° 7	7°44	7°32	5°52	n.a.	W25
T 26	15 56 42	29°22'27	14°41	22°31	3° 2	22°20	28°11	18°15	23°55	19°38	4° 6	7°35	7°28	5°59	n.a.	T 26
F 27	16 0 38	0♊19'35	26°44	23°58	4°13	22°55	28°25	18°13	23°56	19°39	4° 4	7°28	7°25	6° 6	n.a.	F 27
S 28	16 4 35	1°16'42	8♌57	25°21	5°24	23°31	28°38	18°11	23°58	19°41	4° 3	7°25	7°22	6°12	n.a.	S 28
S 29	16 8 31	2°13'49	21°25	26°42	6°35	24° 6	28°52	18° 8	23°59	19°43	4° 1	7°23	7°19	6°19	n.a.	S 29
M30	16 12 28	3°10'56	4♍11	28° 1	7°46	24°42	29° 6	18° 6	24° 0	19°44	3°59	7°23	7°16	6°26	n.a.	M30
T 31	16 16 24	4♊ 8'02	17♍20	29♊17	8♋57	25♋18	29♉19	18♂ 3	24♌ 1	19♋46	3♐58	7♍23	7♍13	6♊33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	13n31	14n58	2s22	13n31	0n17	22n14	1n14	25n 7	1n39	18n11	0s27	22s48	0s25	14n30	0n47	22n27	0n 7	16s 9	5n16	7n55	8n22	16n 1			n.a.
M 2	13 50	12 0	1 18	14 25	0 27	22 30	1 16	25 5	1 38	18 14	0 27	22 49	0 25	14 30	0 47	22 27	0 7	16 9	5 16	7 54	8 23	16 2			n.a.
T 3	14 9	8 19	0 8	15 18	0 38	22 46	1 18	25 2	1 38	18 18	0 27	22 49	0 25	14 30	0 47	22 27	0 7	16 9	5 16	7 54	8 24	16 3			n.a.
W 4	14 28	4 5	1n 5	16 9	0 47	23 0	1 20	24 59	1 37	18 21	0 27	22 49	0 25	14 30	0 47	22 27	0 7	16 8	5 16	7 54	8 26	16 4			n.a.
T 5	14 47	0s31	2 17	16 59	0 57	23 15	1 22	24 56	1 37	18 25	0 27	22 49	0 25	14 30	0 47	22 27	0 7	16 8	5 16	7 55	8 27	16 5			n.a.
F 6	15 5	5 14	3 21	17 46	1 6	23 28	1 24	24 52	1 36	18 28	0 27	22 49	0 25	14 30	0 47	22 27	0 7	16 8	5 16	7 57	8 28	16 7			n.a.
S 7	15 23	9 44	4 13	18 32	1 14	23 41	1 26	24 49	1 35	18 32	0 27	22 49	0 25	14 30	0 47	22 27	0 7	16 8	5 15	8 0	8 29	16 8			n.a.
S 8	15 41	13 39	4 48	19 16	1 22	23 53	1 28	24 45	1 35	18 35	0 26	22 49	0 25	14 30	0 47	22 26	0 7	16 8	5 15	8 3	8 30	16 9			n.a.
M 9	15 59	16 40	5 3	19 57	1 30	24 5	1 30	24 42	1 34	18 39	0 26	22 50	0 26	14 30	0 47	22 26	0 7	16 7	5 15	8 7	8 32	16 10			n.a.
T 10	16 16	18 31	4 57	20 35	1 37	24 16	1 32	24 38	1 34	18 42	0 26	22 50	0 26	14 30	0 47	22 26	0 7	16 7	5 15	8 10	8 33	16 11			n.a.
W11	16 33	19 4	4 30	21 11	1 43	24 26	1 34	24 34	1 33	18 46	0 26	22 50	0 26	14 29	0 47	22 26	0 7	16 7	5 15	8 12	8 34	16 12			n.a.
T 12	16 50	18 20	3 47	21 45	1 48	24 36	1 36	24 30	1 33	18 49	0 26	22 50	0 26	14 29	0 47	22 26	0 7	16 7	5 15	8 14	8 35	16 14			n.a.
F 13	17 6	16 31	2 52	22 16	1 53	24 44	1 37	24 25	1 32	18 52	0 26	22 51	0 26	14 29	0 47	22 26	0 7	16 7	5 15	8 15	8 36	16 15			n.a.
S 14	17 23	13 48	1 48	22 45	1 57	24 52	1 39	24 21	1 32	18 56	0 26	22 51	0 26	14 29	0 46	22 26	0 7	16 6	5 15	8 15	8 38	16 16			n.a.
S 15	17 39	10 27	0 41	23 11	2 0	25 0	1 40	24 16	1 31	18 59	0 26	22 51	0 26	14 29	0 46	22 25	0 7	16 6	5 15	8 15	8 39	16 17			n.a.
M16	17 54	6 41	0s27	23 34	2 3	25 7	1 42	24 11	1 31	19 3	0 26	22 51	0 26	14 29	0 46	22 25	0 7	16 6	5 15	8 15	8 40	16 18			n.a.
T 17	18 10	2 42	1 32	23 55	2 5	25 13	1 43	24 6	1 30	19 6	0 25	22 52	0 27	14 28	0 46	22 25	0 7	16 6	5 15	8 16	8 41	16 19			n.a.
W18	18 25	1n19	2 32	24 13	2 6	25 18	1 44	24 1	1 29	19 9	0 25	22 52	0 27	14 28	0 46	22 25	0 7	16 5	5 15	8 17	8 42	16 20			n.a.
T 19	18 40	5 14	3 24	24 29	2 7	25 22	1 46	23 56	1 29	19 13	0 25	22 52	0 27	14 28	0 46	22 25	0 7	16 5	5 15	8 19	8 44	16 22			n.a.
F 20	18 54	8 54	4 5	24 43	2 6	25 26	1 47	23 50	1 28	19 16	0 25	22 53	0 27	14 28	0 46	22 24	0 7	16 5	5 15	8 23	8 45	16 23			n.a.
S 21	19 9	12 11	4 36	24 55	2 6	25 29	1 48	23 45	1 28	19 19	0 25	22 53	0 27	14 27	0 46	22 24	0 7	16 5	5 15	8 27	8 46	16 24			n.a.
S 22	19 23	14 58	4 55	25 4	2 4	25 32	1 49	23 39	1 27	19 22	0 25	22 53	0 27	14 27	0 46	22 24	0 7	16 5	5 15	8 32	8 47	16 25			n.a.
M23	19 36	17 7	5 0	25 11	2 2	25 33	1 50	23 33	1 27	19 26	0 25	22 54	0 27	14 27	0 46	22 24	0 7	16 4	5 15	8 37	8 48	16 26			n.a.
T 24	19 49	18 32	4 53	25 16	1 59	25 34	1 51	23 27	1 26	19 29	0 25	22 54	0 27	14 26	0 46	22 24	0 7	16 4	5 15	8 42	8 49	16 27			n.a.
W25	20 2	19 9	4 33	25 20	1 55	25 34	1 52	23 21	1 26	19 32	0 25	22 55	0 28	14 26	0 46	22 23	0 7	16 4	5 14	8 46	8 51	16 28			n.a.
T 26	20 15	18 55	4 0	25 21	1 51	25 33	1 52	23 15	1 25	19 35	0 25	22 55	0 28	14 25	0 46	22 23	0 7	16 4	5 14	8 50	8 52	16 29			n.a.
F 27	20 27	17 50	3 17	25 21	1 46	25 32	1 53	23 8	1 25	19 38	0 24	22 55	0 28	14 25	0 46	22 23	0 7	16 4	5 14	8 52	8 53	16 31			n.a.
S 28	20 39	15 55	2 24	25 19	1 40	25 30	1 54	23 1	1 24	19 42	0 24	22 56	0 28	14 25	0 46	22 23	0 7	16 4	5 14	8 53	8 54	16 32			n.a.
S 29	20 51	13 13	1 23	25 15	1 34	25 27	1 54	22 55	1 23	19 45	0 24	22 56	0 28	14 24	0 46	22 23	0 7	16 3	5 14	8 54	8 55	16 33			n.a.
M30	21 2	9 50	0 17	25 10	1 28	25 24	1 55	22 48	1 23	19 48	0 24	22 57	0 28	14 24	0 46	22 22	0 7	16 3	5 14	8 54	8 57	16 34			n.a.
T 31	21n13	5n52	0n52	25n 3	1n20	25n20	1n55	22n41	1n22	19n51	0s24	22s57	0s28	14n23	0n46	22n22	0n 7	16s 3	5n14	8n54	8n58	16n35			n.a.

Julian Day Number = 1641918.5, Delta T = 03h35m54s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'28, Lahiri = - 6°57'27 Julian Calendar 1 May 218 BCE == Greg. Calendar 27 Apr. 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

JUNE 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 20 21	5♊ 5'08	0♎56	0♋30	10♋ 8	25♋53	29♉33	18°R 1	24♌ 3	19♋48	3°R56	7°R22	7♍ 9	6♊39	n.a.	W 1
T 2	16 24 17	6° 2'14	15° 0	1°40	11°18	26°29	29°46	17♑58	24° 4	19°49	3♐55	7♍18	7° 6	6°46	n.a.	T 2
F 3	16 28 14	6°59'19	29°33	2°48	12°29	27° 5	29°59	17°55	24° 5	19°51	3°53	7°13	7° 3	6°53	n.a.	F 3
S 4	16 32 11	7°56'25	14♏30	3°52	13°40	27°41	0♊14	17°53	24° 7	19°53	3°52	7° 4	7° 0	6°59	n.a.	S 4
S 5	16 36 7	8°53'30	29°45	4°54	14°50	28°17	0°27	17°50	24° 8	19°54	3°50	6°54	6°57	7° 6	n.a.	S 5
M 6	16 40 4	9°50'36	15♐ 5	5°53	16° 1	28°53	0°41	17°47	24°10	19°56	3°49	6°44	6°53	7°13	n.a.	M 6
T 7	16 44 0	10°47'42	0♑20	6°48	17°11	29°29	0°54	17°44	24°12	19°58	3°47	6°34	6°50	7°20	n.a.	T 7
W 8	16 47 57	11°44'48	15°20	7°40	18°22	0♌ 5	1° 8	17°40	24°13	20° 0	3°46	6°25	6°47	7°26	n.a.	W 8
T 9	16 51 53	12°41'54	29°55	8°29	19°32	0°41	1°21	17°37	24°15	20° 2	3°44	6°19	6°44	7°33	n.a.	T 9
F 10	16 55 50	13°39'01	14♒ 2	9°14	20°42	1°18	1°35	17°34	24°17	20° 4	3°43	6°16	6°41	7°40	n.a.	F 10
S 11	16 59 46	14°36'09	27°40	9°56	21°53	1°54	1°48	17°31	24°19	20° 5	3°41	6°15	6°38	7°47	n.a.	S 11
S 12	17 3 43	15°33'17	10♓51	10°34	23° 3	2°31	2° 2	17°27	24°21	20° 7	3°40	6°15	6°34	7°53	n.a.	S 12
M13	17 7 40	16°30'26	23°38	11° 7	24°13	3° 7	2°15	17°24	24°22	20° 9	3°38	6°14	6°31	8° 0	n.a.	M13
T 14	17 11 36	17°27'35	6♈ 6	11°37	25°23	3°43	2°29	17°20	24°24	20°11	3°37	6°13	6°28	8° 7	n.a.	T 14
W15	17 15 33	18°24'45	18°19	12° 3	26°33	4°20	2°42	17°17	24°26	20°13	3°35	6°10	6°25	8°13	n.a.	W15
T 16	17 19 29	19°21'56	0♉22	12°24	27°43	4°57	2°55	17°13	24°28	20°15	3°34	6° 4	6°22	8°20	n.a.	T 16
F 17	17 23 26	20°19'07	12°18	12°40	28°52	5°33	3° 9	17° 9	24°31	20°17	3°32	5°56	6°19	8°27	n.a.	F 17
S 18	17 27 22	21°16'20	24°11	12°52	0♌ 2	6°10	3°22	17° 6	24°33	20°19	3°31	5°45	6°15	8°34	n.a.	S 18
S 19	17 31 19	22°13'33	6♊ 3	13° 0	1°12	6°47	3°35	17° 2	24°35	20°21	3°29	5°32	6°12	8°40	n.a.	S 19
M20	17 35 15	23°10'46	17°55	13°R 2	2°21	7°24	3°49	16°58	24°37	20°23	3°28	5°19	6° 9	8°47	n.a.	M20
T 21	17 39 12	24° 8'01	29°50	12°59	3°30	8° 1	4° 2	16°54	24°39	20°25	3°27	5° 7	6° 6	8°54	n.a.	T 21
W22	17 43 9	25° 5'16	11♋48	12°52	4°40	8°38	4°15	16°50	24°42	20°27	3°25	4°56	6° 3	9° 1	n.a.	W22
T 23	17 47 5	26° 2'31	23°51	12°40	5°49	9°15	4°28	16°46	24°44	20°29	3°24	4°47	5°59	9° 7	n.a.	T 23
F 24	17 51 2	26°59'47	6♌ 2	12°22	6°58	9°52	4°41	16°42	24°46	20°31	3°22	4°41	5°56	9°14	n.a.	F 24
S 25	17 54 58	27°57'04	18°22	12° 0	8° 7	10°29	4°54	16°38	24°49	20°33	3°21	4°37	5°53	9°21	n.a.	S 25
S 26	17 58 55	28°54'21	0♍54	11°34	9°16	11° 6	5° 7	16°34	24°51	20°35	3°20	4°D36	5°50	9°27	n.a.	S 26
M27	18 2 51	29°51'39	13°42	11° 3	10°25	11°43	5°20	16°29	24°54	20°38	3°18	4°36	5°47	9°34	n.a.	M27
T 28	18 6 48	0♋48'58	26°50	10°29	11°34	12°21	5°33	16°25	24°56	20°40	3°17	4°R37	5°44	9°41	n.a.	T 28
W29	18 10 45	1°46'17	10♎21	9°51	12°43	12°58	5°46	16°21	24°59	20°42	3°16	4°37	5°40	9°48	n.a.	W29
T 30	18 14 41	2♋43'36	24♎16	9♋10	13♌51	13♌35	5♊59	16♑17	25♌ 2	20♋44	3♐14	4♍35	5♍37	9♊54	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n24	1n28	2n 1	24n56	1n12	25n15	1n55	22n33	1n22	19n54	0s24	22s58	0s28	14n23	0n46	22n22	0n 7	16s 3	5n14	8n54	8n59	16n36		n.a.
T 2	21 34	3s 9	3 5	24 46	1 4	25 9	1 55	22 26	1 21	19 57	0 24	22 58	0 29	14 22	0 46	22 22	0 7	16 3	5 14	8 56	9 0	16 37		n.a.
F 3	21 44	7 44	3 59	24 36	0 55	25 2	1 55	22 18	1 21	20 0	0 24	22 59	0 29	14 22	0 46	22 21	0 7	16 2	5 14	8 58	9 1	16 38		n.a.
S 4	21 53	11 57	4 38	24 25	0 45	24 55	1 55	22 11	1 20	20 3	0 24	22 59	0 29	14 21	0 46	22 21	0 7	16 2	5 13	9 1	9 3	16 39		n.a.
S 5	22 2	15 29	4 58	24 13	0 35	24 48	1 55	22 3	1 20	20 6	0 24	23 0	0 29	14 21	0 46	22 21	0 8	16 2	5 13	9 5	9 4	16 41		n.a.
M 6	22 11	17 57	4 57	24 0	0 25	24 39	1 55	21 55	1 19	20 9	0 24	23 0	0 29	14 20	0 46	22 21	0 8	16 2	5 13	9 9	9 5	16 42		n.a.
T 7	22 20	19 8	4 35	23 46	0 14	24 30	1 55	21 47	1 19	20 12	0 23	23 1	0 29	14 20	0 46	22 20	0 8	16 2	5 13	9 12	9 6	16 43		n.a.
W 8	22 27	18 57	3 55	23 32	0 2	24 20	1 55	21 38	1 18	20 15	0 23	23 1	0 29	14 19	0 45	22 20	0 8	16 2	5 13	9 16	9 7	16 44		n.a.
T 9	22 35	17 29	2 59	23 17	0s10	24 10	1 54	21 30	1 18	20 18	0 23	23 2	0 29	14 18	0 45	22 20	0 8	16 1	5 13	9 18	9 9	16 45		n.a.
F 10	22 42	14 59	1 55	23 1	0 22	23 58	1 54	21 21	1 17	20 20	0 23	23 2	0 30	14 18	0 45	22 20	0 8	16 1	5 13	9 19	9 10	16 46		n.a.
S 11	22 49	11 43	0 45	22 46	0 35	23 46	1 53	21 13	1 16	20 23	0 23	23 3	0 30	14 17	0 45	22 19	0 8	16 1	5 13	9 20	9 11	16 47		n.a.
S 12	22 56	7 57	0s24	22 29	0 48	23 34	1 52	21 4	1 16	20 26	0 23	23 3	0 30	14 16	0 45	22 19	0 8	16 1	5 12	9 20	9 12	16 48		n.a.
M13	23 2	3 56	1 31	22 13	1 2	23 21	1 51	20 55	1 15	20 29	0 23	23 4	0 30	14 16	0 45	22 19	0 8	16 1	5 12	9 20	9 13	16 49		n.a.
T 14	23 7	0n 9	2 31	21 57	1 16	23 7	1 50	20 45	1 15	20 32	0 23	23 5	0 30	14 15	0 45	22 18	0 8	16 1	5 12	9 20	9 15	16 50		n.a.
W15	23 12	4 8	3 23	21 41	1 30	22 53	1 49	20 36	1 14	20 34	0 23	23 5	0 30	14 14	0 45	22 18	0 8	16 1	5 12	9 21	9 16	16 51		n.a.
T 16	23 17	7 55	4 5	21 24	1 44	22 38	1 48	20 27	1 14	20 37	0 23	23 6	0 30	14 14	0 45	22 18	0 8	16 1	5 12	9 23	9 17	16 52		n.a.
F 17	23 22	11 20	4 36	21 9	1 58	22 22	1 47	20 17	1 13	20 40	0 23	23 6	0 30	14 13	0 45	22 18	0 8	16 0	5 12	9 27	9 18	16 54		n.a.
S 18	23 26	14 16	4 55	20 53	2 13	22 6	1 46	20 7	1 13	20 42	0 22	23 7	0 31	14 12	0 45	22 17	0 8	16 0	5 12	9 31	9 19	16 55		n.a.
S 19	23 29	16 38	5 1	20 38	2 27	21 49	1 44	19 57	1 12	20 45	0 22	23 8	0 31	14 11	0 45	22 17	0 8	16 0	5 11	9 35	9 20	16 56		n.a.
M20	23 32	18 17	4 54	20 23	2 42	21 32	1 43	19 47	1 11	20 48	0 22	23 8	0 31	14 11	0 45	22 17	0 8	16 0	5 11	9 40	9 22	16 57		n.a.
T 21	23 35	19 9	4 34	20 9	2 56	21 14	1 41	19 37	1 11	20 50	0 22	23 9	0 31	14 10	0 45	22 16	0 8	16 0	5 11	9 45	9 23	16 58		n.a.
W22	23 38	19 10	4 2	19 56	3 10	20 56	1 39	19 27	1 10	20 53	0 22	23 9	0 31	14 9	0 45	22 16	0 8	16 0	5 11	9 49	9 24	16 59		n.a.
T 23	23 40	18 20	3 19	19 44	3 23	20 37	1 38	19 16	1 10	20 55	0 22	23 10	0 31	14 8	0 45	22 16	0 8	16 0	5 11	9 52	9 25	17 0		n.a.
F 24	23 41	16 38	2 26	19 33	3 36	20 17	1 36	19 6	1 9	20 58	0 22	23 11	0 31	14 7	0 45	22 15	0 8	16 0	5 11	9 54	9 26	17 1		n.a.
S 25	23 42	14 9	1 25	19 23	3 48	19 57	1 34	18 55	1 9	21 0	0 22	23 11	0 31	14 6	0 45	22 15	0 8	16 0	5 10	9 56	9 28	17 2		n.a.
S 26	23 43	10 58	0 20	19 14	4 0	19 37	1 31	18 44	1 8	21 3	0 22	23 12	0 31	14 5	0 45	22 15	0 8	15 59	5 10	9 56	9 29	17 3		n.a.
M27	23 43	7 13	0n48	19 6	4 10	19 16	1 29	18 33	1 8	21 5	0 22	23 13	0 32	14 5	0 45	22 15	0 8	15 59	5 10	9 56	9 30	17 4		n.a.
T 28	23 43	3 2	1 56	19 0	4 19	18 54	1 27	18 22	1 7	21 8	0 22	23 13	0 32	14 4	0 45	22 14	0 8	15 59	5 10	9 56	9 31	17 5		n.a.
W29	23 42	1s25	2 59	18 54	4 27	18 32	1 25	18 11	1 7	21 10	0 22	23 14	0 32	14 3	0 45	22 14	0 8	15 59	5 10	9 56	9 32	17 6		n.a.
T 30	23n41	5s55	3n53	18n51	4s34	18n10	1n22	17n59	1n 6	21n12	0s22	23s14	0s32	14n 2	0n45	22n14	0n 8	15s59	5n 9	9n57	9n33	17n 7		n.a.

Julian Day Number = 1641949.5, Delta T = 03h35m53s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'23, Lahiri = - 6°57'23 Julian Calendar 1 June 218 BCE == Greg. Calendar 28 May 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

JULY 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 18 38	3♋40'57	8♏37	8°R27	15♌ 0	14♌13	6♊12	16°R12	25♌ 4	20♋46	3°R13	4°R31	5♍34	10♊ 1	n.a.	F 1
S 2	18 22 34	4°38'18	23°21	7♋42	16° 8	14°50	6°25	16♉ 8	25° 7	20°48	3♐12	4♍24	5°31	10° 8	n.a.	S 2
S 3	18 26 31	5°35'40	8♐23	6°57	17°16	15°28	6°37	16° 4	25°10	20°50	3°11	4°17	5°28	10°14	n.a.	S 3
M 4	18 30 27	6°33'03	23°34	6°11	18°24	16° 6	6°50	15°59	25°13	20°52	3° 9	4° 8	5°25	10°21	n.a.	M 4
T 5	18 34 24	7°30'26	8♑43	5°27	19°32	16°43	7° 3	15°55	25°15	20°55	3° 8	4° 0	5°21	10°28	n.a.	T 5
W 6	18 38 20	8°27'51	23°41	4°44	20°40	17°21	7°15	15°50	25°18	20°57	3° 7	3°53	5°18	10°35	n.a.	W 6
T 7	18 42 17	9°25'18	8♒19	4° 4	21°48	17°59	7°28	15°46	25°21	20°59	3° 6	3°49	5°15	10°41	n.a.	T 7
F 8	18 46 14	10°22'45	22°31	3°27	22°56	18°37	7°40	15°41	25°24	21° 1	3° 5	3°46	5°12	10°48	n.a.	F 8
S 9	18 50 10	11°20'14	6♓15	2°54	24° 3	19°15	7°53	15°37	25°27	21° 3	3° 4	3°D46	5° 9	10°55	n.a.	S 9
S 10	18 54 7	12°17'44	19°31	2°26	25°11	19°53	8° 5	15°32	25°30	21° 6	3° 2	3°46	5° 5	11° 2	n.a.	S 10
M11	18 58 3	13°15'15	2♈22	2° 3	26°18	20°31	8°17	15°28	25°33	21° 8	3° 1	3°47	5° 2	11° 8	n.a.	M11
T 12	19 2 0	14°12'49	14°52	1°47	27°25	21° 9	8°30	15°23	25°36	21°10	3° 0	3°R48	4°59	11°15	n.a.	T 12
W13	19 5 56	15°10'23	27° 6	1°36	28°32	21°47	8°42	15°19	25°39	21°12	2°59	3°47	4°56	11°22	n.a.	W13
T 14	19 9 53	16° 8'00	9♉ 8	1°D32	29°39	22°25	8°54	15°14	25°42	21°14	2°58	3°44	4°53	11°28	n.a.	T 14
F 15	19 13 49	17° 5'38	21° 3	1°36	0♍45	23° 3	9° 6	15°10	25°45	21°17	2°57	3°40	4°50	11°35	n.a.	F 15
S 16	19 17 46	18° 3'18	2♊55	1°46	1°52	23°42	9°18	15° 5	25°48	21°19	2°56	3°33	4°46	11°42	n.a.	S 16
S 17	19 21 43	19° 0'59	14°47	2° 4	2°58	24°20	9°30	15° 1	25°52	21°21	2°55	3°26	4°43	11°49	n.a.	S 17
M18	19 25 39	19°58'42	26°42	2°29	4° 4	24°58	9°42	14°56	25°55	21°23	2°54	3°17	4°40	11°55	n.a.	M18
T 19	19 29 36	20°56'26	8♋42	3° 1	5°11	25°37	9°54	14°52	25°58	21°26	2°53	3°10	4°37	12° 2	n.a.	T 19
W20	19 33 32	21°54'12	20°48	3°40	6°16	26°15	10° 5	14°48	26° 1	21°28	2°53	3° 3	4°34	12° 9	n.a.	W20
T 21	19 37 29	22°52'00	3♌ 3	4°27	7°22	26°54	10°17	14°43	26° 5	21°30	2°52	2°57	4°31	12°16	n.a.	T 21
F 22	19 41 25	23°49'48	15°26	5°20	8°28	27°33	10°29	14°39	26° 8	21°32	2°51	2°54	4°27	12°22	n.a.	F 22
S 23	19 45 22	24°47'39	28° 0	6°21	9°33	28°11	10°40	14°34	26°11	21°35	2°50	2°D53	4°24	12°29	n.a.	S 23
S 24	19 49 18	25°45'30	10♍46	7°27	10°38	28°50	10°52	14°30	26°15	21°37	2°49	2°53	4°21	12°36	n.a.	S 24
M25	19 53 15	26°43'24	23°46	8°40	11°43	29°29	11° 3	14°26	26°18	21°39	2°49	2°54	4°18	12°42	n.a.	M25
T 26	19 57 12	27°41'18	7♎ 1	9°59	12°48	0♍ 8	11°14	14°21	26°22	21°41	2°48	2°55	4°15	12°49	n.a.	T 26
W27	20 1 8	28°39'14	20°33	11°23	13°53	0°47	11°26	14°17	26°25	21°43	2°47	2°57	4°11	12°56	n.a.	W27
T 28	20 5 5	29°37'11	4♏24	12°53	14°57	1°25	11°37	14°13	26°28	21°46	2°46	2°R57	4° 8	13° 3	n.a.	T 28
F 29	20 9 1	0♎35'10	18°34	14°27	16° 1	2° 4	11°48	14° 8	26°32	21°48	2°46	2°55	4° 5	13° 9	n.a.	F 29
S 30	20 12 58	1°33'10	3♐ 1	16° 5	17° 5	2°44	11°59	14° 4	26°35	21°50	2°45	2°53	4° 2	13°16	n.a.	S 30
S 31	20 16 54	2♎31'12	17♐42	17♋47	18♍ 9	3♍23	12♊10	14♉ 0	26♎39	21♋52	2♐45	2♍49	3♍59	13♊23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n40	10s13	4n34	18n49	4s39	17n47	1n19	17n48	1n 5	21n15	0s21	23s15	0s32	14n 1	0n45	22n13	0n 8	15s59	5n 9	9n58	9n35	17n 8		n.a.
S 2	23 38	14 0	4 59	18 48	4 42	17 24	1 17	17 36	1 5	21 17	0 21	23 16	0 32	14 0	0 45	22 13	0 8	15 59	5 9	10 0	9 36	17 9		n.a.
S 3	23 36	16 58	5 4	18 49	4 44	17 1	1 14	17 25	1 4	21 19	0 21	23 16	0 32	13 59	0 45	22 13	0 8	15 59	5 9	10 3	9 37	17 10		n.a.
M 4	23 33	18 46	4 48	18 51	4 44	16 37	1 11	17 13	1 4	21 21	0 21	23 17	0 32	13 58	0 45	22 12	0 8	15 59	5 9	10 6	9 38	17 11		n.a.
T 5	23 30	19 15	4 11	18 55	4 42	16 12	1 8	17 1	1 3	21 24	0 21	23 18	0 32	13 57	0 45	22 12	0 8	15 59	5 8	10 9	9 39	17 12		n.a.
W 6	23 27	18 22	3 18	19 0	4 38	15 48	1 5	16 48	1 3	21 26	0 21	23 18	0 32	13 56	0 45	22 12	0 8	15 59	5 8	10 12	9 41	17 13		n.a.
T 7	23 23	16 16	2 12	19 7	4 33	15 22	1 2	16 36	1 2	21 28	0 21	23 19	0 33	13 55	0 45	22 11	0 8	15 59	5 8	10 14	9 42	17 14		n.a.
F 8	23 18	13 13	1 0	19 15	4 26	14 57	0 58	16 24	1 2	21 30	0 21	23 19	0 33	13 54	0 44	22 11	0 8	15 59	5 8	10 14	9 43	17 15		n.a.
S 9	23 14	9 32	0s13	19 24	4 17	14 31	0 55	16 11	1 1	21 32	0 21	23 20	0 33	13 53	0 44	22 11	0 8	15 59	5 8	10 15	9 44	17 16		n.a.
S 10	23 9	5 29	1 24	19 35	4 7	14 5	0 51	15 59	1 0	21 34	0 21	23 21	0 33	13 52	0 44	22 10	0 8	15 59	5 7	10 14	9 45	17 17		n.a.
M11	23 3	1 18	2 28	19 47	3 55	13 39	0 48	15 46	1 0	21 36	0 21	23 21	0 33	13 51	0 44	22 10	0 8	15 59	5 7	10 14	9 46	17 18		n.a.
T 12	22 57	2n49	3 23	20 0	3 43	13 12	0 44	15 33	0 59	21 38	0 21	23 22	0 33	13 50	0 44	22 10	0 8	15 59	5 7	10 14	9 48	17 19		n.a.
W13	22 51	6 43	4 7	20 14	3 29	12 45	0 40	15 20	0 59	21 40	0 21	23 23	0 33	13 49	0 44	22 9	0 8	15 59	5 7	10 14	9 49	17 20		n.a.
T 14	22 44	10 17	4 40	20 28	3 15	12 18	0 37	15 7	0 58	21 42	0 20	23 23	0 33	13 48	0 44	22 9	0 8	15 59	5 7	10 15	9 50	17 21		n.a.
F 15	22 37	13 24	5 1	20 43	2 59	11 50	0 33	14 54	0 58	21 44	0 20	23 24	0 33	13 47	0 44	22 9	0 8	15 59	5 6	10 17	9 51	17 22		n.a.
S 16	22 29	15 57	5 8	20 59	2 44	11 23	0 29	14 40	0 57	21 46	0 20	23 24	0 33	13 46	0 44	22 8	0 8	15 59	5 6	10 19	9 52	17 23		n.a.
S 17	22 21	17 50	5 2	21 15	2 27	10 55	0 24	14 27	0 56	21 48	0 20	23 25	0 33	13 44	0 44	22 8	0 8	15 59	5 6	10 22	9 53	17 24		n.a.
M18	22 13	18 58	4 43	21 31	2 11	10 26	0 20	14 14	0 56	21 50	0 20	23 26	0 34	13 43	0 44	22 8	0 8	15 59	5 6	10 25	9 55	17 25		n.a.
T 19	22 4	19 15	4 11	21 47	1 54	9 58	0 16	14 0	0 55	21 52	0 20	23 26	0 34	13 42	0 44	22 7	0 8	15 59	5 5	10 28	9 56	17 26		n.a.
W20	21 55	18 40	3 28	22 2	1 38	9 29	0 11	13 46	0 55	21 54	0 20	23 27	0 34	13 41	0 44	22 7	0 8	15 59	5 5	10 30	9 57	17 27		n.a.
T 21	21 45	17 12	2 35	22 17	1 21	9 1	0 7	13 32	0 54	21 55	0 20	23 27	0 34	13 40	0 44	22 7	0 8	15 59	5 5	10 32	9 58	17 28		n.a.
F 22	21 35	14 55	1 33	22 31	1 5	8 32	0 2	13 18	0 54	21 57	0 20	23 28	0 34	13 39	0 44	22 6	0 8	15 59	5 5	10 34	9 59	17 29		n.a.
S 23	21 25	11 54	0 26	22 45	0 49	8 3	0s 2	13 4	0 53	21 59	0 20	23 28	0 34	13 38	0 44	22 6	0 8	15 59	5 5	10 34	10 0	17 30		n.a.
S 24	21 14	8 16	0n43	22 56	0 34	7 33	0 7	12 50	0 52	22 1	0 20	23 29	0 34	13 36	0 44	22 6	0 8	16 0	5 4	10 34	10 2	17 31		n.a.
M25	21 3	4 12	1 51	23 7	0 19	7 4	0 12	12 36	0 52	22 2	0 20	23 30	0 34	13 35	0 44	22 5	0 8	16 0	5 4	10 34	10 3	17 32		n.a.
T 26	20 52	0s 8	2 55	23 15	0 5	6 34	0 17	12 21	0 51	22 4	0 20	23 30	0 34	13 34	0 44	22 5	0 8	16 0	5 4	10 33	10 4	17 33		n.a.
W27	20 40	4 33	3 51	23 22	0n 9	6 5	0 22	12 7	0 51	22 6	0 20	23 31	0 34	13 33	0 44	22 5	0 8	16 0	5 4	10 33	10 5	17 34		n.a.
T 28	20 28	8 50	4 35	23 27	0 21	5 35	0 27	11 52	0 50	22 7	0 19	23 31	0 34	13 32	0 44	22 4	0 8	16 0	5 3	10 33	10 6	17 35		n.a.
F 29	20 16	12 42	5 3	23 29	0 33	5 5	0 32	11 38	0 50	22 9	0 19	23 32	0 34	13 30	0 44	22 4	0 8	16 0	5 3	10 33	10 8	17 36		n.a.
S 30	20 3	15 54	5 12	23 28	0 45	4 35	0 37	11 23	0 49	22 10	0 19	23 32	0 35	13 29	0 44	22 4	0 8	16 0	5 3	10 34	10 9	17 37		n.a.
S 31	19n50	18s 8	5n 2	23n26	0n55	4n 5	0s43	11n 8	0n48	22n12	0s19	23s33	0s35	13n28	0n44	22n 3	0n 8	16s 0	5n 3	10n35	10n10	17n38		n.a.

Julian Day Number = 1641979.5, Delta T = 03h35m52s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'19, Lahiri = - 6°57'19 Julian Calendar 1 July 218 BCE == Greg. Calendar 27 June 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

AUGUST 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 20 51	3♌29'15	2♉31	19♋32	19♍13	4♍ 2	12♊20	13°R56	26♌42	21♋54	2°R44	2°R45	3♍56	13♊29	n.a.	M 1
T 2	20 24 47	4°27'19	17°20	21°20	20°16	4°41	12°31	13♉52	26°46	21°57	2♐44	2♍41	3°52	13°36	n.a.	T 2
W 3	20 28 44	5°25'26	2♒ 1	23°10	21°19	5°20	12°42	13°48	26°50	21°59	2°43	2°38	3°49	13°43	n.a.	W 3
T 4	20 32 41	6°23'34	16°28	25° 2	22°22	6° 0	12°52	13°44	26°53	22° 1	2°43	2°36	3°46	13°50	n.a.	T 4
F 5	20 36 37	7°21'44	0♓35	26°56	23°24	6°39	13° 3	13°40	26°57	22° 3	2°42	2°D35	3°43	13°56	n.a.	F 5
S 6	20 40 34	8°19'56	14°18	28°50	24°26	7°19	13°13	13°36	27° 0	22° 5	2°42	2°36	3°40	14° 3	n.a.	S 6
S 7	20 44 30	9°18'10	27°36	0♌45	25°28	7°58	13°23	13°32	27° 4	22° 8	2°41	2°37	3°37	14°10	n.a.	S 7
M 8	20 48 27	10°16'26	10♈31	2°41	26°30	8°38	13°33	13°28	27° 8	22°10	2°41	2°38	3°33	14°17	n.a.	M 8
T 9	20 52 23	11°14'44	23° 5	4°37	27°31	9°17	13°43	13°25	27°11	22°12	2°41	2°40	3°30	14°23	n.a.	T 9
W10	20 56 20	12°13'05	5♉22	6°33	28°32	9°57	13°53	13°21	27°15	22°14	2°40	2°41	3°27	14°30	n.a.	W10
T 11	21 0 16	13°11'27	17°26	8°28	29°33	10°37	14° 3	13°17	27°19	22°16	2°40	2°R41	3°24	14°37	n.a.	T 11
F 12	21 4 13	14° 9'52	29°22	10°24	0♎33	11°16	14°13	13°14	27°22	22°18	2°40	2°40	3°21	14°43	n.a.	F 12
S 13	21 8 9	15° 8'20	11♊14	12°18	1°33	11°56	14°22	13°10	27°26	22°20	2°40	2°38	3°17	14°50	n.a.	S 13
S 14	21 12 6	16° 6'49	23° 8	14°12	2°33	12°36	14°32	13° 7	27°30	22°22	2°39	2°36	3°14	14°57	n.a.	S 14
M15	21 16 3	17° 5'20	5♋ 5	16° 5	3°33	13°16	14°41	13° 4	27°34	22°24	2°39	2°34	3°11	15° 4	n.a.	M15
T 16	21 19 59	18° 3'54	17°11	17°57	4°32	13°56	14°50	13° 0	27°37	22°26	2°39	2°32	3° 8	15°10	n.a.	T 16
W17	21 23 56	19° 2'30	29°26	19°49	5°30	14°36	15° 0	12°57	27°41	22°28	2°39	2°30	3° 5	15°17	n.a.	W17
T 18	21 27 52	20° 1'08	11♌54	21°39	6°28	15°16	15° 9	12°54	27°45	22°31	2°39	2°28	3° 2	15°24	n.a.	T 18
F 19	21 31 49	20°59'48	24°34	23°28	7°26	15°57	15°17	12°51	27°49	22°33	2°D39	2°28	2°58	15°30	n.a.	F 19
S 20	21 35 45	21°58'30	7♍28	25°17	8°24	16°37	15°26	12°48	27°52	22°35	2°39	2°D27	2°55	15°37	n.a.	S 20
S 21	21 39 42	22°57'14	20°35	27° 4	9°21	17°17	15°35	12°45	27°56	22°37	2°39	2°28	2°52	15°44	n.a.	S 21
M22	21 43 38	23°56'00	3♎56	28°51	10°17	17°58	15°43	12°42	28° 0	22°39	2°39	2°29	2°49	15°51	n.a.	M22
T 23	21 47 35	24°54'48	17°29	0♍36	11°13	18°38	15°52	12°39	28° 4	22°40	2°39	2°29	2°46	15°57	n.a.	T 23
W24	21 51 32	25°53'38	1♏15	2°21	12° 9	19°19	16° 0	12°37	28° 8	22°42	2°39	2°30	2°42	16° 4	n.a.	W24
T 25	21 55 28	26°52'29	15°11	4° 4	13° 4	19°59	16° 8	12°34	28°11	22°44	2°40	2°30	2°39	16°11	n.a.	T 25
F 26	21 59 25	27°51'23	29°18	5°47	13°58	20°40	16°16	12°32	28°15	22°46	2°40	2°R30	2°36	16°18	n.a.	F 26
S 27	22 3 21	28°50'18	13♐33	7°28	14°52	21°20	16°24	12°29	28°19	22°48	2°40	2°30	2°33	16°24	n.a.	S 27
S 28	22 7 18	29°49'15	27°53	9° 9	15°46	22° 1	16°32	12°27	28°23	22°50	2°40	2°30	2°30	16°31	n.a.	S 28
M29	22 11 14	0♍48'14	12♑16	10°49	16°39	22°42	16°40	12°25	28°27	22°52	2°41	2°30	2°27	16°38	n.a.	M29
T 30	22 15 11	1°47'15	26°37	12°27	17°31	23°23	16°47	12°23	28°30	22°54	2°41	2°30	2°23	16°44	n.a.	T 30
W31	22 19 7	2♍46'17	10♒52	14♍ 5	18♎22	24♍ 3	16♊54	12♑21	28♌34	22♋56	2♐41	2°D30	2♍20	16♊51	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	19n36	19s10	4n32	23n20	1n 4	3n35	0s48	10n53	0n48	22n13	0s19	23s33	0s35	13n27	0n44	22n 3	0n 8	16s 0	5n 2	10n37		10n11		17n39			n.a.
T 2	19 22	18 54	3 43	23 12	1 12	3 5	0 53	10 38	0 47	22 15	0 19	23 34	0 35	13 25	0 44	22 2	0 8	16 1	5 2	10 38		10 12		17 40			n.a.
W 3	19 8	17 21	2 40	23 1	1 20	2 35	0 59	10 23	0 47	22 16	0 19	23 34	0 35	13 24	0 44	22 2	0 8	16 1	5 2	10 39		10 13		17 41			n.a.
T 4	18 54	14 42	1 27	22 47	1 26	2 5	1 4	10 8	0 46	22 18	0 19	23 35	0 35	13 23	0 44	22 2	0 8	16 1	5 2	10 40		10 15		17 42			n.a.
F 5	18 39	11 13	0 11	22 31	1 32	1 35	1 10	9 53	0 46	22 19	0 19	23 35	0 35	13 22	0 44	22 1	0 8	16 1	5 1	10 40		10 16		17 43			n.a.
S 6	18 24	7 14	1s 4	22 13	1 37	1 5	1 16	9 37	0 45	22 20	0 19	23 36	0 35	13 20	0 44	22 1	0 8	16 1	5 1	10 40		10 17		17 44			n.a.
S 7	18 8	3 0	2 13	21 52	1 41	0 35	1 21	9 22	0 44	22 22	0 19	23 36	0 35	13 19	0 44	22 1	0 8	16 1	5 1	10 40		10 18		17 45			n.a.
M 8	17 52	1n15	3 14	21 28	1 44	0 5	1 27	9 6	0 44	22 23	0 19	23 37	0 35	13 18	0 44	22 0	0 8	16 2	5 1	10 39		10 19		17 46			n.a.
T 9	17 36	5 19	4 3	21 3	1 46	0s25	1 33	8 51	0 43	22 24	0 19	23 37	0 35	13 17	0 44	22 0	0 8	16 2	5 0	10 39		10 20		17 46			n.a.
W10	17 20	9 4	4 40	20 35	1 47	0 55	1 39	8 35	0 43	22 26	0 19	23 37	0 35	13 15	0 44	22 0	0 8	16 2	5 0	10 38		10 21		17 47			n.a.
T 11	17 3	12 22	5 4	20 6	1 48	1 25	1 45	8 19	0 42	22 27	0 19	23 38	0 35	13 14	0 44	21 59	0 8	16 2	5 0	10 38		10 23		17 48			n.a.
F 12	16 46	15 8	5 15	19 34	1 48	1 55	1 51	8 3	0 41	22 28	0 18	23 38	0 35	13 13	0 44	21 59	0 8	16 2	5 0	10 39		10 24		17 49			n.a.
S 13	16 29	17 14	5 12	19 2	1 48	2 25	1 57	7 47	0 41	22 29	0 18	23 39	0 35	13 11	0 44	21 59	0 8	16 3	4 59	10 39		10 25		17 50			n.a.
S 14	16 12	18 37	4 55	18 28	1 47	2 54	2 3	7 32	0 40	22 30	0 18	23 39	0 35	13 10	0 44	21 58	0 8	16 3	4 59	10 40		10 26		17 51			n.a.
M15	15 54	19 11	4 26	17 52	1 45	3 24	2 9	7 15	0 40	22 32	0 18	23 40	0 35	13 9	0 44	21 58	0 8	16 3	4 59	10 41		10 27		17 52			n.a.
T 16	15 36	18 53	3 45	17 15	1 43	3 53	2 16	6 59	0 39	22 33	0 18	23 40	0 36	13 7	0 44	21 58	0 8	16 3	4 59	10 42		10 28		17 53			n.a.
W17	15 17	17 42	2 53	16 37	1 40	4 23	2 22	6 43	0 38	22 34	0 18	23 40	0 36	13 6	0 44	21 57	0 8	16 3	4 58	10 42		10 30		17 54			n.a.
T 18	14 59	15 39	1 51	15 59	1 37	4 52	2 28	6 27	0 38	22 35	0 18	23 41	0 36	13 5	0 44	21 57	0 8	16 4	4 58	10 43		10 31		17 55			n.a.
F 19	14 40	12 48	0 44	15 19	1 33	5 21	2 34	6 11	0 37	22 36	0 18	23 41	0 36	13 4	0 44	21 57	0 8	16 4	4 58	10 43		10 32		17 56			n.a.
S 20	14 21	9 18	0n28	14 39	1 29	5 49	2 41	5 54	0 37	22 37	0 18	23 41	0 36	13 2	0 44	21 57	0 8	16 4	4 58	10 43		10 33		17 56			n.a.
S 21	14 1	5 17	1 39	13 58	1 25	6 18	2 47	5 38	0 36	22 38	0 18	23 42	0 36	13 1	0 44	21 56	0 8	16 4	4 57	10 43		10 34		17 57			n.a.
M22	13 42	0 57	2 46	13 16	1 21	6 46	2 54	5 21	0 35	22 39	0 18	23 42	0 36	13 0	0 44	21 56	0 8	16 5	4 57	10 43		10 35		17 58			n.a.
T 23	13 22	3s29	3 44	12 34	1 16	7 15	3 0	5 5	0 35	22 40	0 18	23 42	0 36	12 58	0 44	21 56	0 8	16 5	4 57	10 43		10 37		17 59			n.a.
W24	13 2	7 48	4 31	11 51	1 10	7 42	3 6	4 48	0 34	22 41	0 18	23 43	0 36	12 57	0 44	21 55	0 8	16 5	4 57	10 42		10 38		18 0			n.a.
T 25	12 42	11 45	5 3	11 8	1 5	8 10	3 13	4 32	0 34	22 42	0 18	23 43	0 36	12 56	0 44	21 55	0 8	16 6	4 56	10 42		10 39		18 1			n.a.
F 26	12 21	15 5	5 17	10 25	0 59	8 38	3 19	4 15	0 33	22 43	0 18	23 43	0 36	12 54	0 44	21 55	0 8	16 6	4 56	10 42		10 40		18 2			n.a.
S 27	12 1	17 33	5 11	9 42	0 54	9 5	3 26	3 58	0 32	22 44	0 17	23 43	0 36	12 53	0 44	21 54	0 8	16 6	4 56	10 42		10 41		18 3			n.a.
S 28	11 40	18 56	4 47	8 58	0 47	9 32	3 32	3 41	0 32	22 44	0 17	23 44	0 36	12 52	0 44	21 54	0 9	16 6	4 56	10 42		10 42		18 4			n.a.
M29	11 19	19 6	4 4	8 14	0 41	9 58	3 39	3 24	0 31	22 45	0 17	23 44	0 36	12 50	0 44	21 54	0 9	16 7	4 55	10 42		10 43		18 4			n.a.
T 30	10 58	18 2	3 6	7 30	0 35	10 25	3 45	3 8	0 31	22 46	0 17	23 44	0 36	12 49	0 44	21 53	0 9	16 7	4 55	10 42		10 45		18 5			n.a.
W31	10n36	15s50	1n57	6n46	0n28	10s51	3s52	2n51	0n30	22n47	0s17	23s44	0s36	12n48	0n44	21n53	0n 9	16s 7	4n55	10n42		10n46		18n 6			n.a.

Julian Day Number = 1642010.5, Delta T = 03h35m51s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'15, Lahiri = - 6°57'15 Julian Calendar 1 Aug. 218 BCE == Greg. Calendar 28 July 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

SEPTEMBER 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 23 4	3♍45'22	24♒56	15♍42	19♎13	24♍44	17♊ 2	12°R19	28♌38	22♋57	2♐42	2♍30	2♍17	16♊58	n.a.	T 1
F 2	22 27 1	4°44'29	8♓45	17°18	20° 3	25°25	17° 9	12♏17	28°42	22°59	2°42	2°R30	2°14	17° 5	n.a.	F 2
S 3	22 30 57	5°43'37	22°17	18°54	20°53	26° 6	17°16	12°15	28°45	23° 1	2°42	2°30	2°11	17°11	n.a.	S 3
S 4	22 34 54	6°42'48	5♈30	20°28	21°42	26°47	17°22	12°13	28°49	23° 3	2°43	2°29	2° 8	17°18	n.a.	S 4
M 5	22 38 50	7°42'02	18°23	22° 2	22°29	27°29	17°29	12°12	28°53	23° 4	2°43	2°29	2° 4	17°25	n.a.	M 5
T 6	22 42 47	8°41'18	0♉57	23°35	23°17	28°10	17°35	12°10	28°57	23° 6	2°44	2°28	2° 1	17°31	n.a.	T 6
W 7	22 46 43	9°40'36	13°15	25° 7	24° 3	28°51	17°42	12° 9	29° 0	23° 8	2°45	2°27	1°58	17°38	n.a.	W 7
T 8	22 50 40	10°39'56	25°21	26°38	24°48	29°32	17°48	12° 7	29° 4	23° 9	2°45	2°27	1°55	17°45	n.a.	T 8
F 9	22 54 36	11°39'19	7♊18	28° 9	25°33	0♎14	17°54	12° 6	29° 8	23°11	2°46	2°D26	1°52	17°52	n.a.	F 9
S 10	22 58 33	12°38'44	19°11	29°38	26°16	0°55	18° 0	12° 5	29°12	23°12	2°47	2°26	1°48	17°58	n.a.	S 10
S 11	23 2 29	13°38'12	1♋ 4	1♎ 7	26°59	1°37	18° 5	12° 4	29°15	23°14	2°47	2°27	1°45	18° 5	n.a.	S 11
M12	23 6 26	14°37'42	13° 3	2°35	27°41	2°18	18°11	12° 3	29°19	23°16	2°48	2°28	1°42	18°12	n.a.	M12
T 13	23 10 23	15°37'15	25°11	4° 3	28°21	3° 0	18°16	12° 2	29°23	23°17	2°49	2°29	1°39	18°18	n.a.	T 13
W14	23 14 19	16°36'50	7♌33	5°29	29° 1	3°42	18°21	12° 2	29°26	23°19	2°49	2°30	1°36	18°25	n.a.	W14
T 15	23 18 16	17°36'27	20°10	6°55	29°39	4°23	18°26	12° 1	29°30	23°20	2°50	2°31	1°33	18°32	n.a.	T 15
F 16	23 22 12	18°36'06	3♍ 6	8°20	0♏16	5° 5	18°31	12° 0	29°34	23°22	2°51	2°R31	1°29	18°39	n.a.	F 16
S 17	23 26 9	19°35'47	16°20	9°44	0°52	5°47	18°36	12° 0	29°37	23°23	2°52	2°31	1°26	18°45	n.a.	S 17
S 18	23 30 5	20°35'31	29°53	11° 7	1°26	6°29	18°40	12° 0	29°41	23°24	2°53	2°30	1°23	18°52	n.a.	S 18
M19	23 34 2	21°35'17	13♎41	12°29	2° 0	7°11	18°45	11°59	29°44	23°26	2°54	2°27	1°20	18°59	n.a.	M19
T 20	23 37 58	22°35'04	27°42	13°50	2°32	7°53	18°49	11°59	29°48	23°27	2°55	2°25	1°17	19° 5	n.a.	T 20
W21	23 41 55	23°34'54	11♏51	15°10	3° 2	8°35	18°53	11°D59	29°52	23°28	2°56	2°22	1°14	19°12	n.a.	W21
T 22	23 45 51	24°34'45	26° 6	16°29	3°31	9°17	18°57	11°59	29°55	23°30	2°57	2°19	1°10	19°19	n.a.	T 22
F 23	23 49 48	25°34'38	10♐21	17°47	3°58	9°59	19° 0	12° 0	29°59	23°31	2°58	2°17	1° 7	19°26	n.a.	F 23
S 24	23 53 45	26°34'33	24°35	19° 3	4°24	10°42	19° 4	12° 0	0♍ 2	23°32	2°59	2°D17	1° 4	19°32	n.a.	S 24
S 25	23 57 41	27°34'30	8♑44	20°18	4°48	11°24	19° 7	12° 0	0° 6	23°33	3° 0	2°17	1° 1	19°39	n.a.	S 25
M26	0 1 38	28°34'29	22°46	21°31	5°10	12° 6	19°10	12° 1	0° 9	23°35	3° 1	2°18	0°58	19°46	n.a.	M26
T 27	0 5 34	29°34'29	6♒42	22°43	5°30	12°49	19°13	12° 1	0°13	23°36	3° 2	2°20	0°54	19°52	n.a.	T 27
W28	0 9 31	0♎34'31	20°28	23°53	5°49	13°31	19°16	12° 2	0°16	23°37	3° 4	2°21	0°51	19°59	n.a.	W28
T 29	0 13 27	1°34'34	4♓ 4	25° 1	6° 5	14°14	19°18	12° 3	0°19	23°38	3° 5	2°R21	0°48	20° 6	n.a.	T 29
F 30	0 17 24	2♎34'39	17♓29	26♎ 6	6♏19	14♎56	19♊20	12♑ 4	0♍23	23♋39	3♐ 6	2♍20	0♍45	20♊13	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n15	12s42	0n42	6n 2	0n22	11s16	3s58	2n34	0n29	22n48	0s17	23s45	0s36	12n46	0n44	21n53	0n 9	16s 8	4n54	10n42	10n47	18n 7		n.a.
F 2	9 53	8 55	0s35	5 18	0 15	11 41	4 4	2 17	0 29	22 48	0 17	23 45	0 36	12 45	0 44	21 53	0 9	16 8	4 54	10 42	10 48	18 8		n.a.
S 3	9 31	4 44	1 48	4 34	0 8	12 6	4 11	2 0	0 28	22 49	0 17	23 45	0 36	12 44	0 44	21 52	0 9	16 8	4 54	10 42	10 49	18 9		n.a.
S 4	9 9	0 26	2 53	3 50	0 1	12 31	4 17	1 43	0 28	22 50	0 17	23 45	0 36	12 42	0 44	21 52	0 9	16 9	4 54	10 43	10 50	18 10		n.a.
M 5	8 47	3n47	3 48	3 6	0s 6	12 55	4 24	1 26	0 27	22 51	0 17	23 45	0 36	12 41	0 44	21 52	0 9	16 9	4 53	10 43	10 52	18 10		n.a.
T 6	8 24	7 43	4 30	2 23	0 13	13 19	4 30	1 8	0 26	22 51	0 17	23 46	0 36	12 40	0 44	21 51	0 9	16 9	4 53	10 43	10 53	18 11		n.a.
W 7	8 2	11 15	4 59	1 39	0 20	13 42	4 36	0 51	0 26	22 52	0 17	23 46	0 36	12 38	0 44	21 51	0 9	16 10	4 53	10 43	10 54	18 12		n.a.
T 8	7 39	14 14	5 14	0 56	0 27	14 5	4 42	0 34	0 25	22 53	0 17	23 46	0 36	12 37	0 44	21 51	0 9	16 10	4 53	10 44	10 55	18 13		n.a.
F 9	7 16	16 36	5 16	0 13	0 34	14 27	4 48	0 17	0 24	22 53	0 17	23 46	0 37	12 36	0 44	21 51	0 9	16 11	4 52	10 44	10 56	18 14		n.a.
S 10	6 53	18 14	5 3	0s29	0 42	14 49	4 54	0s 0	0 24	22 54	0 16	23 46	0 37	12 34	0 44	21 50	0 9	16 11	4 52	10 44	10 57	18 15		n.a.
S 11	6 30	19 5	4 38	1 12	0 49	15 10	5 0	0 18	0 23	22 54	0 16	23 46	0 37	12 33	0 44	21 50	0 9	16 11	4 52	10 43	10 58	18 16		n.a.
M12	6 7	19 5	4 1	1 53	0 56	15 31	5 6	0 35	0 23	22 55	0 16	23 46	0 37	12 32	0 44	21 50	0 9	16 12	4 52	10 43	11 0	18 16		n.a.
T 13	5 44	18 12	3 12	2 35	1 3	15 52	5 12	0 52	0 22	22 56	0 16	23 46	0 37	12 31	0 44	21 50	0 9	16 12	4 51	10 43	11 1	18 17		n.a.
W14	5 21	16 27	2 14	3 16	1 10	16 11	5 18	1 10	0 21	22 56	0 16	23 47	0 37	12 29	0 44	21 49	0 9	16 12	4 51	10 42	11 2	18 18		n.a.
T 15	4 57	13 52	1 8	3 57	1 17	16 31	5 24	1 27	0 21	22 57	0 16	23 47	0 37	12 28	0 44	21 49	0 9	16 13	4 51	10 42	11 3	18 19		n.a.
F 16	4 34	10 32	0n 3	4 37	1 24	16 49	5 29	1 44	0 20	22 57	0 16	23 47	0 37	12 27	0 44	21 49	0 9	16 13	4 51	10 42	11 4	18 20		n.a.
S 17	4 10	6 37	1 16	5 17	1 30	17 7	5 35	2 2	0 19	22 58	0 16	23 47	0 37	12 25	0 44	21 49	0 9	16 14	4 50	10 42	11 5	18 20		n.a.
S 18	3 46	2 16	2 25	5 56	1 37	17 24	5 40	2 19	0 19	22 58	0 16	23 47	0 37	12 24	0 44	21 49	0 9	16 14	4 50	10 42	11 6	18 21		n.a.
M19	3 22	2s16	3 28	6 35	1 44	17 41	5 45	2 36	0 18	22 58	0 16	23 47	0 37	12 23	0 44	21 48	0 9	16 15	4 50	10 43	11 8	18 22		n.a.
T 20	2 59	6 45	4 19	7 12	1 50	17 57	5 50	2 54	0 18	22 59	0 16	23 47	0 37	12 22	0 44	21 48	0 9	16 15	4 50	10 44	11 9	18 23		n.a.
W21	2 35	10 54	4 55	7 50	1 56	18 12	5 55	3 11	0 17	22 59	0 16	23 47	0 37	12 20	0 44	21 48	0 9	16 15	4 49	10 45	11 10	18 24		n.a.
T 22	2 11	14 26	5 13	8 26	2 3	18 27	5 59	3 28	0 16	23 0	0 16	23 47	0 37	12 19	0 44	21 48	0 9	16 16	4 49	10 46	11 11	18 25		n.a.
F 23	1 47	17 8	5 11	9 2	2 8	18 41	6 4	3 46	0 16	23 0	0 15	23 47	0 37	12 18	0 44	21 47	0 9	16 16	4 49	10 47	11 12	18 25		n.a.
S 24	1 23	18 46	4 51	9 36	2 14	18 54	6 8	4 3	0 15	23 0	0 15	23 47	0 37	12 17	0 44	21 47	0 9	16 17	4 49	10 47	11 13	18 26		n.a.
S 25	0 59	19 13	4 13	10 10	2 20	19 6	6 12	4 20	0 14	23 1	0 15	23 47	0 37	12 15	0 44	21 47	0 9	16 17	4 48	10 47	11 14	18 27		n.a.
M26	0 34	18 29	3 20	10 43	2 25	19 17	6 16	4 38	0 14	23 1	0 15	23 47	0 37	12 14	0 44	21 47	0 9	16 18	4 48	10 47	11 16	18 28		n.a.
T 27	0 10	16 37	2 16	11 15	2 30	19 27	6 19	4 55	0 13	23 1	0 15	23 47	0 37	12 13	0 44	21 47	0 9	16 18	4 48	10 46	11 17	18 28		n.a.
W28	0s14	13 49	1 5	11 45	2 34	19 36	6 23	5 12	0 13	23 2	0 15	23 47	0 37	12 12	0 44	21 47	0 9	16 18	4 48	10 46	11 18	18 29		n.a.
T 29	0 38	10 17	0s 9	12 15	2 38	19 45	6 25	5 29	0 12	23 2	0 15	23 47	0 37	12 11	0 44	21 46	0 9	16 19	4 48	10 45	11 19	18 30		n.a.
F 30	1s 2	6s15	1s22	12s42	2s42	19s52	6s28	5s47	0n11	23n 2	0s15	23s47	0s37	12n 9	0n44	21n46	0n 9	16s19	4n47	10n46	11n20	18n31		n.a.

Julian Day Number = 1642041.5, Delta T = 03h35m50s
Ecliptic obliquity = 23°43'10, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'11, Lahiri = - 6°57'10 Julian Calendar 1 Sept. 218 BCE == Greg. Calendar 28 Aug. 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

OCTOBER 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 21 20	3♎34'47	0♈41	27♎ 9	6♏32	15♎39	19♊22	12♑ 5	0♍26	23♋40	3♐ 7	2°R18	0♍42	20♊19	n.a.	S 1
S 2	0 25 17	4°34'56	13°39	28°10	6°42	16°22	19°24	12° 6	0°29	23°41	3° 9	2♍14	0°39	20°26	n.a.	S 2
M 3	0 29 14	5°35'07	26°23	29° 7	6°50	17° 4	19°26	12° 7	0°33	23°42	3°10	2° 8	0°35	20°33	n.a.	M 3
T 4	0 33 10	6°35'20	8♉52	0♏ 1	6°56	17°47	19°28	12° 9	0°36	23°43	3°11	2° 2	0°32	20°39	n.a.	T 4
W 5	0 37 7	7°35'35	21° 8	0°51	6°59	18°30	19°29	12°10	0°39	23°44	3°13	1°56	0°29	20°46	n.a.	W 5
T 6	0 41 3	8°35'52	3♊13	1°36	7°R 0	19°13	19°30	12°12	0°42	23°45	3°14	1°50	0°26	20°53	n.a.	T 6
F 7	0 45 0	9°36'12	15° 9	2°17	6°59	19°56	19°31	12°13	0°46	23°45	3°16	1°46	0°23	21° 0	n.a.	F 7
S 8	0 48 56	10°36'33	27° 1	2°53	6°55	20°39	19°32	12°15	0°49	23°46	3°17	1°43	0°19	21° 6	n.a.	S 8
S 9	0 52 53	11°36'56	8♋53	3°22	6°49	21°22	19°32	12°17	0°52	23°47	3°19	1°D42	0°16	21°13	n.a.	S 9
M10	0 56 49	12°37'22	20°50	3°45	6°40	22° 5	19°33	12°19	0°55	23°48	3°20	1°42	0°13	21°20	n.a.	M10
T 11	1 0 46	13°37'49	2♌56	4° 1	6°30	22°48	19°R33	12°21	0°58	23°48	3°22	1°43	0°10	21°26	n.a.	T 11
W12	1 4 43	14°38'19	15°17	4°R 8	6°16	23°32	19°33	12°23	1° 1	23°49	3°23	1°45	0° 7	21°33	n.a.	W12
T 13	1 8 39	15°38'50	27°58	4° 7	6° 0	24°15	19°33	12°25	1° 4	23°50	3°25	1°R46	0° 4	21°40	n.a.	T 13
F 14	1 12 36	16°39'24	11♍ 2	3°57	5°42	24°58	19°32	12°27	1° 7	23°50	3°26	1°45	0° 0	21°47	n.a.	F 14
S 15	1 16 32	17°39'59	24°30	3°37	5°22	25°42	19°32	12°30	1°10	23°51	3°28	1°43	29♌57	21°53	n.a.	S 15
S 16	1 20 29	18°40'36	8♎22	3° 6	4°59	26°25	19°31	12°32	1°13	23°51	3°30	1°39	29°54	22° 0	n.a.	S 16
M17	1 24 25	19°41'14	22°35	2°26	4°35	27° 9	19°30	12°35	1°15	23°52	3°31	1°32	29°51	22° 7	n.a.	M17
T 18	1 28 22	20°41'54	7♏ 5	1°35	4° 8	27°52	19°28	12°38	1°18	23°52	3°33	1°24	29°48	22°13	n.a.	T 18
W19	1 32 18	21°42'36	21°45	0°35	3°39	28°36	19°27	12°40	1°21	23°53	3°35	1°16	29°45	22°20	n.a.	W19
T 20	1 36 15	22°43'19	6♐26	29♎26	3° 9	29°20	19°25	12°43	1°24	23°53	3°36	1° 8	29°41	22°27	n.a.	T 20
F 21	1 40 11	23°44'03	21° 2	28°11	2°37	0♏ 3	19°23	12°46	1°26	23°54	3°38	1° 2	29°38	22°34	n.a.	F 21
S 22	1 44 8	24°44'49	5♑27	26°52	2° 4	0°47	19°21	12°49	1°29	23°54	3°40	0°58	29°35	22°40	n.a.	S 22
S 23	1 48 5	25°45'36	19°38	25°30	1°30	1°31	19°19	12°53	1°32	23°54	3°42	0°D56	29°32	22°47	n.a.	S 23
M24	1 52 1	26°46'23	3♒34	24° 9	0°55	2°15	19°17	12°56	1°34	23°55	3°43	0°56	29°29	22°54	n.a.	M24
T 25	1 55 58	27°47'12	17°14	22°52	0°19	2°59	19°14	12°59	1°37	23°55	3°45	0°57	29°25	23° 0	n.a.	T 25
W26	1 59 54	28°48'02	0♓40	21°40	29♎43	3°43	19°11	13° 3	1°39	23°55	3°47	0°R58	29°22	23° 7	n.a.	W26
T 27	2 3 51	29°48'53	13°53	20°36	29° 6	4°27	19° 8	13° 6	1°42	23°55	3°49	0°57	29°19	23°14	n.a.	T 27
F 28	2 7 47	0♏49'45	26°54	19°43	28°30	5°11	19° 5	13°10	1°44	23°55	3°51	0°54	29°16	23°21	n.a.	F 28
S 29	2 11 44	1°50'38	9♈44	19° 0	27°54	5°55	19° 2	13°14	1°46	23°55	3°53	0°48	29°13	23°27	n.a.	S 29
S 30	2 15 40	2°51'32	22°23	18°28	27°18	6°40	18°58	13°17	1°49	23°55	3°55	0°39	29°10	23°34	n.a.	S 30
M31	2 19 37	3♏52'28	4♉52	18♎ 8	26♎44	7♏24	18♊54	13♑21	1♍51	23°R55	3♐57	0♍28	29♌ 6	23♊41	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s26	2s 0	2s29	13s 9	2s45	19s59	6s30	6s 4	0n11	23n 3	0s15	23s47	0s37	12n 8	0n44	21n46	0n 9	16s20	4n47	10n47	11n21	18n32		n.a.
S 2	1 51	2n17	3 26	13 34	2 48	20 4	6 32	6 21	0 10	23 3	0 15	23 47	0 37	12 7	0 44	21 46	0 9	16 20	4 47	10 48	11 22	18 32		n.a.
M 3	2 15	6 22	4 13	13 56	2 51	20 8	6 34	6 38	0 9	23 3	0 15	23 46	0 37	12 6	0 44	21 46	0 9	16 21	4 47	10 50	11 24	18 33		n.a.
T 4	2 39	10 7	4 46	14 17	2 52	20 11	6 35	6 55	0 9	23 3	0 15	23 46	0 37	12 5	0 44	21 46	0 9	16 21	4 46	10 52	11 25	18 34		n.a.
W 5	3 3	13 21	5 5	14 36	2 53	20 12	6 35	7 13	0 8	23 3	0 14	23 46	0 37	12 4	0 44	21 45	0 9	16 22	4 46	10 55	11 26	18 35		n.a.
T 6	3 27	15 58	5 11	14 53	2 54	20 13	6 35	7 30	0 7	23 4	0 14	23 46	0 37	12 3	0 44	21 45	0 9	16 22	4 46	10 57	11 27	18 35		n.a.
F 7	3 51	17 52	5 2	15 7	2 53	20 12	6 35	7 47	0 7	23 4	0 14	23 46	0 37	12 1	0 44	21 45	0 9	16 23	4 46	10 58	11 28	18 36		n.a.
S 8	4 15	19 0	4 41	15 18	2 52	20 10	6 34	8 4	0 6	23 4	0 14	23 46	0 37	12 0	0 44	21 45	0 9	16 23	4 46	10 59	11 29	18 37		n.a.
S 9	4 39	19 18	4 8	15 26	2 49	20 6	6 32	8 21	0 6	23 4	0 14	23 46	0 37	11 59	0 44	21 45	0 9	16 24	4 45	11 0	11 30	18 38		n.a.
M10	5 3	18 44	3 24	15 30	2 45	20 1	6 30	8 37	0 5	23 4	0 14	23 46	0 37	11 58	0 45	21 45	0 9	16 24	4 45	11 0	11 32	18 38		n.a.
T 11	5 26	17 18	2 30	15 31	2 41	19 55	6 27	8 54	0 4	23 4	0 14	23 45	0 37	11 57	0 45	21 45	0 9	16 25	4 45	10 59	11 33	18 39		n.a.
W12	5 50	15 2	1 28	15 28	2 34	19 47	6 24	9 11	0 4	23 4	0 14	23 45	0 37	11 56	0 45	21 45	0 9	16 25	4 45	10 59	11 34	18 40		n.a.
T 13	6 14	12 0	0 21	15 20	2 27	19 38	6 20	9 28	0 3	23 4	0 14	23 45	0 37	11 55	0 45	21 45	0 9	16 26	4 44	10 58	11 35	18 41		n.a.
F 14	6 37	8 17	0n50	15 8	2 17	19 27	6 15	9 44	0 2	23 4	0 14	23 45	0 37	11 54	0 45	21 44	0 9	16 26	4 44	10 58	11 36	18 41		n.a.
S 15	7 1	4 2	2 0	14 51	2 6	19 15	6 10	10 1	0 2	23 5	0 14	23 45	0 37	11 53	0 45	21 44	0 9	16 27	4 44	10 59	11 37	18 42		n.a.
S 16	7 24	0s32	3 4	14 28	1 54	19 2	6 4	10 18	0 1	23 5	0 13	23 44	0 37	11 52	0 45	21 44	0 9	16 27	4 44	11 1	11 38	18 43		n.a.
M17	7 47	5 12	3 59	14 1	1 40	18 47	5 57	10 34	0 0	23 5	0 13	23 44	0 37	11 51	0 45	21 44	0 9	16 28	4 44	11 3	11 39	18 44		n.a.
T 18	8 10	9 38	4 40	13 28	1 24	18 30	5 49	10 51	0s 0	23 5	0 13	23 44	0 37	11 50	0 45	21 44	0 9	16 28	4 43	11 6	11 41	18 44		n.a.
W19	8 33	13 33	5 2	12 50	1 6	18 12	5 41	11 7	0 1	23 5	0 13	23 44	0 37	11 49	0 45	21 44	0 9	16 29	4 43	11 9	11 42	18 45		n.a.
T 20	8 56	16 37	5 5	12 8	0 47	17 53	5 32	11 23	0 2	23 5	0 13	23 43	0 37	11 48	0 45	21 44	0 9	16 29	4 43	11 12	11 43	18 46		n.a.
F 21	9 19	18 37	4 48	11 23	0 27	17 33	5 22	11 39	0 2	23 4	0 13	23 43	0 37	11 47	0 45	21 44	0 9	16 30	4 43	11 14	11 44	18 46		n.a.
S 22	9 42	19 24	4 13	10 34	0 7	17 11	5 11	11 56	0 3	23 4	0 13	23 43	0 37	11 46	0 45	21 44	0 9	16 30	4 43	11 15	11 45	18 47		n.a.
S 23	10 4	18 55	3 23	9 45	0n14	16 48	5 0	12 12	0 3	23 4	0 13	23 43	0 37	11 45	0 45	21 44	0 9	16 31	4 42	11 16	11 46	18 48		n.a.
M24	10 26	17 18	2 21	8 56	0 34	16 25	4 48	12 28	0 4	23 4	0 13	23 42	0 37	11 44	0 45	21 44	0 9	16 31	4 42	11 16	11 47	18 49		n.a.
T 25	10 49	14 42	1 13	8 9	0 54	16 0	4 36	12 43	0 5	23 4	0 13	23 42	0 37	11 43	0 45	21 44	0 9	16 32	4 42	11 16	11 48	18 49		n.a.
W26	11 10	11 20	0 2	7 25	1 12	15 35	4 22	12 59	0 5	23 4	0 12	23 42	0 37	11 43	0 45	21 44	0 9	16 32	4 42	11 16	11 50	18 50		n.a.
T 27	11 32	7 28	1s 9	6 46	1 29	15 9	4 9	13 15	0 6	23 4	0 12	23 41	0 38	11 42	0 45	21 44	0 10	16 33	4 42	11 16	11 51	18 51		n.a.
F 28	11 54	3 18	2 14	6 12	1 44	14 43	3 55	13 30	0 7	23 4	0 12	23 41	0 38	11 41	0 45	21 44	0 10	16 33	4 42	11 17	11 52	18 51		n.a.
S 29	12 15	0n58	3 11	5 43	1 57	14 16	3 40	13 46	0 7	23 4	0 12	23 41	0 38	11 40	0 45	21 44	0 10	16 34	4 41	11 19	11 53	18 52		n.a.
S 30	12 36	5 8	3 58	5 21	2 8	13 49	3 25	14 1	0 8	23 3	0 12	23 40	0 38	11 39	0 45	21 44	0 10	16 34	4 41	11 22	11 54	18 53		n.a.
M31	12s57	9n 1	4s33	5s 5	2n17	13s22	3s10	14s17	0s 9	23n 3	0s12	23s40	0s38	11n39	0n45	21n44	0n10	16s35	4n41	11n26	11n55	18n53		n.a.

Julian Day Number = 1642071.5, Delta T = 03h35m49s
Ecliptic obliquity = 23°43'10, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'07, Lahiri = - 6°57'06 Julian Calendar 1 Oct. 218 BCE == Greg. Calendar 27 Sept. 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

NOVEMBER 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 23 34	4♏53'24	17♉11	18°D 0	26°R10	8♏ 8	18°R50	13♋25	1♍53	23°R55	3♐58	0°R16	29♌ 3	23♊47	n.a.	T 1
W 2	2 27 30	5°54'22	29°21	18♎ 2	25♎38	8°53	18♊46	13°29	1°55	23♋55	4° 0	0♍ 3	29° 0	23°54	n.a.	W 2
T 3	2 31 27	6°55'21	11♊21	18°14	25° 7	9°37	18°42	13°33	1°57	23°55	4° 2	29♌51	28°57	24° 1	n.a.	T 3
F 4	2 35 23	7°56'21	23°16	18°36	24°38	10°21	18°37	13°38	1°59	23°55	4° 4	29°41	28°54	24° 8	n.a.	F 4
S 5	2 39 20	8°57'23	5♋ 6	19° 6	24°11	11° 6	18°33	13°42	2° 2	23°55	4° 6	29°33	28°50	24°14	n.a.	S 5
S 6	2 43 16	9°58'25	16°55	19°44	23°46	11°50	18°28	13°46	2° 4	23°55	4° 8	29°28	28°47	24°21	n.a.	S 6
M 7	2 47 13	10°59'29	28°49	20°29	23°23	12°35	18°23	13°51	2° 5	23°55	4°10	29°25	28°44	24°28	n.a.	M 7
T 8	2 51 9	12° 0'34	10♌52	21°19	23° 2	13°20	18°18	13°55	2° 7	23°54	4°12	29°D24	28°41	24°34	n.a.	T 8
W 9	2 55 6	13° 1'41	23° 9	22°15	22°44	14° 5	18°12	14° 0	2° 9	23°54	4°14	29°R24	28°38	24°41	n.a.	W 9
T 10	2 59 3	14° 2'48	5♍45	23°15	22°28	14°49	18° 7	14° 5	2°11	23°54	4°17	29°24	28°35	24°48	n.a.	T 10
F 11	3 2 59	15° 3'56	18°47	24°19	22°14	15°34	18° 1	14° 9	2°13	23°53	4°19	29°23	28°31	24°55	n.a.	F 11
S 12	3 6 56	16° 5'05	2♎16	25°27	22° 3	16°19	17°55	14°14	2°14	23°53	4°21	29°19	28°28	25° 1	n.a.	S 12
S 13	3 10 52	17° 6'16	16°14	26°38	21°54	17° 4	17°49	14°19	2°16	23°53	4°23	29°13	28°25	25° 8	n.a.	S 13
M14	3 14 49	18° 7'27	0♏41	27°51	21°48	17°49	17°43	14°24	2°18	23°52	4°25	29° 3	28°22	25°15	n.a.	M14
T 15	3 18 45	19° 8'39	15°30	29° 7	21°44	18°34	17°37	14°29	2°19	23°52	4°27	28°52	28°19	25°21	n.a.	T 15
W16	3 22 42	20° 9'52	0♐33	0♏25	21°D43	19°19	17°30	14°34	2°21	23°51	4°29	28°40	28°16	25°28	n.a.	W16
T 17	3 26 38	21°11'05	15°40	1°44	21°45	20° 4	17°24	14°40	2°22	23°51	4°31	28°29	28°12	25°35	n.a.	T 17
F 18	3 30 35	22°12'19	0♑41	3° 5	21°48	20°49	17°17	14°45	2°23	23°50	4°33	28°19	28° 9	25°41	n.a.	F 18
S 19	3 34 32	23°13'33	15°28	4°27	21°54	21°34	17°10	14°50	2°25	23°49	4°35	28°13	28° 6	25°48	n.a.	S 19
S 20	3 38 28	24°14'47	29°54	5°51	22° 3	22°20	17° 4	14°56	2°26	23°49	4°37	28° 9	28° 3	25°55	n.a.	S 20
M21	3 42 25	25°16'01	13♒56	7°15	22°13	23° 5	16°57	15° 1	2°27	23°48	4°40	28° 7	28° 0	26° 2	n.a.	M21
T 22	3 46 21	26°17'16	27°36	8°40	22°26	23°50	16°49	15° 7	2°28	23°47	4°42	28° 7	27°56	26° 8	n.a.	T 22
W23	3 50 18	27°18'30	10♓55	10° 6	22°41	24°36	16°42	15°12	2°29	23°47	4°44	28° 7	27°53	26°15	n.a.	W23
T 24	3 54 14	28°19'44	23°55	11°33	22°58	25°21	16°35	15°18	2°30	23°46	4°46	28° 5	27°50	26°22	n.a.	T 24
F 25	3 58 11	29°20'58	6♈40	13° 0	23°17	26° 7	16°28	15°24	2°31	23°45	4°48	28° 1	27°47	26°28	n.a.	F 25
S 26	4 2 8	0♐22'13	19°13	14°28	23°38	26°52	16°20	15°29	2°32	23°44	4°50	27°54	27°44	26°35	n.a.	S 26
S 27	4 6 4	1°23'27	1♉36	15°57	24° 1	27°38	16°12	15°35	2°33	23°43	4°53	27°44	27°41	26°42	n.a.	S 27
M28	4 10 1	2°24'42	13°50	17°26	24°25	28°23	16° 5	15°41	2°34	23°42	4°55	27°31	27°37	26°49	n.a.	M28
T 29	4 13 57	3°25'56	25°57	18°55	24°52	29° 9	15°57	15°47	2°35	23°42	4°57	27°17	27°34	26°55	n.a.	T 29
W30	4 17 54	4♐27'10	7♊58	20♏25	25♎20	29♏54	15♊49	15♋53	2♍35	23♋41	4♐59	27♌ 2	27♌31	27♊ 2	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s18	12n27	4s54	4s56	2n24	12s56	2s55	14s32	0s 9	23n 3	0s12	23s39	0s38	11n38	0n45	21n44	0n10	16s36	4n41	11n30	11n56	18n54		n.a.
W 2	13 39	15 20	5 2	4 52	2 29	12 29	2 39	14 47	0 10	23 3	0 12	23 39	0 38	11 37	0 45	21 44	0 10	16 36	4 41	11 35	11 57	18 55		n.a.
T 3	13 59	17 31	4 56	4 53	2 32	12 3	2 24	15 2	0 11	23 2	0 12	23 39	0 38	11 36	0 45	21 44	0 10	16 37	4 41	11 39	11 59	18 55		n.a.
F 4	14 19	18 56	4 37	5 0	2 34	11 38	2 8	15 16	0 11	23 2	0 11	23 38	0 38	11 36	0 45	21 44	0 10	16 37	4 40	11 43	12 0	18 56		n.a.
S 5	14 39	19 31	4 7	5 11	2 35	11 13	1 52	15 31	0 12	23 2	0 11	23 38	0 38	11 35	0 45	21 44	0 10	16 38	4 40	11 46	12 1	18 57		n.a.
S 6	14 59	19 14	3 25	5 26	2 34	10 50	1 37	15 46	0 12	23 2	0 11	23 37	0 38	11 34	0 45	21 44	0 10	16 38	4 40	11 48	12 2	18 57		n.a.
M 7	15 18	18 7	2 35	5 44	2 33	10 27	1 22	16 0	0 13	23 1	0 11	23 37	0 38	11 34	0 45	21 44	0 10	16 39	4 40	11 49	12 3	18 58		n.a.
T 8	15 37	16 10	1 37	6 5	2 30	10 5	1 6	16 14	0 14	23 1	0 11	23 36	0 38	11 33	0 46	21 44	0 10	16 39	4 40	11 49	12 4	18 59		n.a.
W 9	15 56	13 26	0 33	6 29	2 27	9 44	0 51	16 29	0 14	23 1	0 11	23 36	0 38	11 32	0 46	21 44	0 10	16 40	4 40	11 49	12 5	18 59		n.a.
T 10	16 14	10 2	0n34	6 56	2 23	9 24	0 37	16 43	0 15	23 0	0 11	23 36	0 38	11 32	0 46	21 44	0 10	16 40	4 39	11 49	12 6	19 0		n.a.
F 11	16 33	6 2	1 41	7 24	2 18	9 6	0 22	16 57	0 16	23 0	0 11	23 35	0 38	11 31	0 46	21 44	0 10	16 41	4 39	11 49	12 7	19 1		n.a.
S 12	16 51	1 36	2 45	7 53	2 13	8 49	0 8	17 10	0 16	22 59	0 10	23 35	0 38	11 31	0 46	21 44	0 10	16 41	4 39	11 51	12 9	19 1		n.a.
S 13	17 8	3s 4	3 41	8 24	2 8	8 33	0n 5	17 24	0 17	22 59	0 10	23 34	0 38	11 30	0 46	21 45	0 10	16 42	4 39	11 53	12 10	19 2		n.a.
M14	17 26	7 43	4 25	8 57	2 2	8 19	0 18	17 37	0 18	22 59	0 10	23 34	0 38	11 29	0 46	21 45	0 10	16 42	4 39	11 56	12 11	19 3		n.a.
T 15	17 43	12 1	4 52	9 29	1 55	8 5	0 31	17 51	0 18	22 58	0 10	23 33	0 38	11 29	0 46	21 45	0 10	16 43	4 39	12 0	12 12	19 3		n.a.
W16	18 0	15 37	5 0	10 3	1 49	7 53	0 44	18 4	0 19	22 58	0 10	23 32	0 38	11 28	0 46	21 45	0 10	16 43	4 39	12 4	12 13	19 4		n.a.
T 17	18 16	18 11	4 47	10 37	1 42	7 43	0 55	18 17	0 19	22 57	0 10	23 32	0 38	11 28	0 46	21 45	0 10	16 44	4 38	12 8	12 14	19 5		n.a.
F 18	18 32	19 29	4 14	11 12	1 35	7 34	1 7	18 29	0 20	22 57	0 10	23 31	0 38	11 27	0 46	21 45	0 10	16 44	4 38	12 12	12 15	19 5		n.a.
S 19	18 48	19 25	3 25	11 46	1 28	7 26	1 18	18 42	0 21	22 56	0 10	23 31	0 38	11 27	0 46	21 45	0 10	16 45	4 38	12 14	12 16	19 6		n.a.
S 20	19 3	18 5	2 23	12 21	1 21	7 19	1 29	18 55	0 21	22 56	0 9	23 30	0 38	11 27	0 46	21 45	0 10	16 45	4 38	12 15	12 17	19 6		n.a.
M21	19 18	15 39	1 14	12 56	1 14	7 13	1 39	19 7	0 22	22 55	0 9	23 30	0 38	11 26	0 46	21 46	0 10	16 46	4 38	12 16	12 19	19 7		n.a.
T 22	19 33	12 24	0 3	13 31	1 6	7 9	1 49	19 19	0 23	22 54	0 9	23 29	0 38	11 26	0 46	21 46	0 10	16 46	4 38	12 16	12 20	19 8		n.a.
W23	19 47	8 35	1s 7	14 5	0 59	7 6	1 58	19 31	0 23	22 54	0 9	23 28	0 38	11 26	0 46	21 46	0 10	16 47	4 38	12 16	12 21	19 8		n.a.
T 24	20 1	4 27	2 12	14 39	0 52	7 4	2 7	19 43	0 24	22 53	0 9	23 28	0 38	11 25	0 46	21 46	0 10	16 47	4 38	12 17	12 22	19 9		n.a.
F 25	20 15	0 12	3 8	15 13	0 44	7 4	2 15	19 54	0 25	22 53	0 9	23 27	0 38	11 25	0 46	21 46	0 10	16 48	4 37	12 18	12 23	19 9		n.a.
S 26	20 28	3n59	3 55	15 47	0 37	7 4	2 23	20 6	0 25	22 52	0 9	23 26	0 38	11 25	0 46	21 46	0 10	16 48	4 37	12 20	12 24	19 10		n.a.
S 27	20 41	7 57	4 29	16 20	0 30	7 5	2 31	20 17	0 26	22 51	0 8	23 26	0 38	11 24	0 46	21 46	0 10	16 49	4 37	12 24	12 25	19 11		n.a.
M28	20 53	11 33	4 51	16 53	0 22	7 8	2 38	20 28	0 26	22 51	0 8	23 25	0 38	11 24	0 46	21 47	0 10	16 49	4 37	12 28	12 26	19 11		n.a.
T 29	21 5	14 37	4 59	17 25	0 15	7 11	2 45	20 38	0 27	22 50	0 8	23 24	0 38	11 24	0 46	21 47	0 10	16 50	4 37	12 34	12 27	19 12		n.a.
W30	21s17	17n 3	4s54	17s56	0n 8	7s16	2n51	20s49	0s28	22n49	0s 8	23s24	0s38	11n24	0n46	21n47	0n10	16s50	4n37	12n39	12n29	19n12		n.a.

Julian Day Number = 1642102.5, Delta T = 03h35m48s
Ecliptic obliquity = 23°43'10, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°04'03, Lahiri = - 6°57'02 Julian Calendar 1 Nov. 218 BCE == Greg. Calendar 28 Oct. 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 218 BCE
geocentric

DECEMBER 218 BCE (-217) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 21 50	5♐28'25	19♊54	21♏55	25♎50	0♐40	15°R41	15♑59	2♍36	23°R40	5♐ 1	26°R47	27♌28	27♊ 9	n.a.	T 1
F 2	4 25 47	6°29'40	1♋46	23°26	26°21	1°26	15♊34	16° 5	2°37	23♋39	5° 3	26♌35	27°25	27°15	n.a.	F 2
S 3	4 29 43	7°30'54	13°36	24°57	26°54	2°12	15°26	16°11	2°37	23°38	5° 6	26°25	27°22	27°22	n.a.	S 3
S 4	4 33 40	8°32'09	25°25	26°29	27°29	2°57	15°18	16°18	2°38	23°36	5° 8	26°18	27°18	27°29	n.a.	S 4
M 5	4 37 37	9°33'24	7♌19	28° 0	28° 5	3°43	15°10	16°24	2°38	23°35	5°10	26°14	27°15	27°35	n.a.	M 5
T 6	4 41 33	10°34'39	19°20	29°33	28°42	4°29	15° 2	16°30	2°38	23°34	5°12	26°13	27°12	27°42	n.a.	T 6
W 7	4 45 30	11°35'54	1♍34	1♐ 5	29°20	5°15	14°54	16°36	2°39	23°33	5°14	26°D13	27° 9	27°49	n.a.	W 7
T 8	4 49 26	12°37'08	14° 6	2°38	0♏ 0	6° 1	14°45	16°43	2°39	23°32	5°16	26°R13	27° 6	27°56	n.a.	T 8
F 9	4 53 23	13°38'23	27° 0	4°11	0°41	6°47	14°37	16°49	2°39	23°31	5°18	26°12	27° 2	28° 2	n.a.	F 9
S 10	4 57 19	14°39'38	10♎22	5°45	1°23	7°33	14°29	16°56	2°39	23°30	5°21	26° 9	26°59	28° 9	n.a.	S 10
S 11	5 1 16	15°40'53	24°14	7°19	2° 6	8°19	14°21	17° 2	2°39	23°28	5°23	26° 4	26°56	28°16	n.a.	S 11
M12	5 5 12	16°42'07	8♏36	8°54	2°51	9° 5	14°13	17° 9	2°R39	23°27	5°25	25°56	26°53	28°22	n.a.	M12
T 13	5 9 9	17°43'21	23°25	10°29	3°36	9°52	14° 5	17°16	2°39	23°26	5°27	25°47	26°50	28°29	n.a.	T 13
W14	5 13 6	18°44'36	8♐34	12° 5	4°22	10°38	13°57	17°22	2°39	23°25	5°29	25°36	26°47	28°36	n.a.	W14
T 15	5 17 2	19°45'49	23°53	13°41	5°10	11°24	13°49	17°29	2°39	23°23	5°31	25°26	26°43	28°43	n.a.	T 15
F 16	5 20 59	20°47'02	9♑11	15°17	5°58	12°10	13°41	17°36	2°39	23°22	5°33	25°17	26°40	28°49	n.a.	F 16
S 17	5 24 55	21°48'15	24°16	16°54	6°47	12°57	13°33	17°42	2°39	23°21	5°35	25°11	26°37	28°56	n.a.	S 17
S 18	5 28 52	22°49'26	9♒ 0	18°31	7°37	13°43	13°25	17°49	2°38	23°19	5°38	25° 8	26°34	29° 3	n.a.	S 18
M19	5 32 48	23°50'36	23°19	20° 9	8°27	14°29	13°17	17°56	2°38	23°18	5°40	25°D 6	26°31	29° 9	n.a.	M19
T 20	5 36 45	24°51'46	7♓ 9	21°48	9°18	15°16	13° 9	18° 3	2°38	23°16	5°42	25° 7	26°28	29°16	n.a.	T 20
W21	5 40 42	25°52'54	20°34	23°27	10°11	16° 2	13° 1	18°10	2°37	23°15	5°44	25°R 8	26°24	29°23	n.a.	W21
T 22	5 44 38	26°54'01	3♈34	25° 7	11° 3	16°49	12°54	18°17	2°36	23°13	5°46	25° 7	26°21	29°29	n.a.	T 22
F 23	5 48 35	27°55'07	16°15	26°47	11°57	17°35	12°46	18°24	2°36	23°12	5°48	25° 6	26°18	29°36	n.a.	F 23
S 24	5 52 31	28°56'12	28°41	28°28	12°51	18°22	12°39	18°31	2°35	23°10	5°50	25° 1	26°15	29°43	n.a.	S 24
S 25	5 56 28	29°57'16	10♉54	0♑ 9	13°46	19° 8	12°31	18°38	2°35	23° 9	5°52	24°55	26°12	29°50	n.a.	S 25
M26	6 0 24	0♑58'19	22°58	1°51	14°41	19°55	12°24	18°45	2°34	23° 7	5°54	24°46	26° 8	29°56	n.a.	M26
T 27	6 4 21	1°59'21	4♊56	3°34	15°37	20°41	12°17	18°52	2°33	23° 6	5°56	24°36	26° 5	0♋ 3	n.a.	T 27
W28	6 8 17	3° 0'21	16°50	5°17	16°33	21°28	12° 9	18°59	2°32	23° 4	5°58	24°25	26° 2	0°10	n.a.	W28
T 29	6 12 14	4° 1'20	28°42	7° 1	17°30	22°14	12° 2	19° 6	2°31	23° 3	6° 0	24°15	25°59	0°16	n.a.	T 29
F 30	6 16 11	5° 2'19	10♋33	8°45	18°28	23° 1	11°56	19°13	2°30	23° 1	6° 2	24° 6	25°56	0°23	n.a.	F 30
S 31	6 20 7	6♑ 3'16	22♋25	10♑30	19♏26	23♐48	11♊49	19♑20	2♍29	23♋ 0	6♐ 4	23♌59	25♌53	0♋30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21s28	18n45	4s36	18s27	0n 1	7s21	2n57	20s59	0s28	22n49	0s 8	23s23	0s38	11n23	0n46	21n47	0n10	16s51	4n37	12n44	12n30	19n13			n.a.
F 2	21 39	19 37	4 6	18 57	0s 6	7 27	3 3	21 10	0 29	22 48	0 8	23 22	0 38	11 23	0 47	21 47	0 10	16 51	4 37	12 48	12 31	19 14			n.a.
S 3	21 49	19 37	3 25	19 26	0 13	7 34	3 8	21 19	0 29	22 47	0 8	23 22	0 39	11 23	0 47	21 48	0 10	16 52	4 37	12 51	12 32	19 14			n.a.
S 4	21 59	18 46	2 35	19 55	0 20	7 42	3 13	21 29	0 30	22 47	0 7	23 21	0 39	11 23	0 47	21 48	0 10	16 52	4 37	12 54	12 33	19 15			n.a.
M 5	22 9	17 4	1 38	20 23	0 26	7 50	3 18	21 39	0 31	22 46	0 7	23 20	0 39	11 23	0 47	21 48	0 10	16 53	4 36	12 55	12 34	19 15			n.a.
T 6	22 18	14 37	0 36	20 49	0 33	7 59	3 22	21 48	0 31	22 45	0 7	23 20	0 39	11 23	0 47	21 48	0 10	16 53	4 36	12 56	12 35	19 16			n.a.
W 7	22 26	11 29	0n28	21 15	0 39	8 9	3 26	21 57	0 32	22 44	0 7	23 19	0 39	11 23	0 47	21 48	0 10	16 54	4 36	12 56	12 36	19 16			n.a.
T 8	22 34	7 46	1 34	21 41	0 46	8 20	3 30	22 6	0 32	22 43	0 7	23 18	0 39	11 23	0 47	21 49	0 10	16 54	4 36	12 56	12 37	19 17			n.a.
F 9	22 42	3 35	2 36	22 5	0 52	8 31	3 33	22 14	0 33	22 43	0 7	23 17	0 39	11 23	0 47	21 49	0 10	16 54	4 36	12 56	12 38	19 17			n.a.
S 10	22 50	0s55	3 32	22 28	0 58	8 43	3 36	22 23	0 34	22 42	0 6	23 16	0 39	11 23	0 47	21 49	0 10	16 55	4 36	12 57	12 40	19 18			n.a.
S 11	22 56	5 31	4 18	22 50	1 3	8 55	3 39	22 31	0 34	22 41	0 6	23 16	0 39	11 23	0 47	21 49	0 10	16 55	4 36	12 59	12 41	19 19			n.a.
M12	23 3	9 58	4 49	23 10	1 9	9 8	3 42	22 39	0 35	22 40	0 6	23 15	0 39	11 23	0 47	21 49	0 10	16 56	4 36	13 1	12 42	19 19			n.a.
T 13	23 9	13 58	5 2	23 30	1 14	9 21	3 44	22 46	0 35	22 39	0 6	23 14	0 39	11 23	0 47	21 50	0 10	16 56	4 36	13 4	12 43	19 20			n.a.
W14	23 14	17 8	4 55	23 49	1 19	9 35	3 46	22 54	0 36	22 39	0 6	23 13	0 39	11 23	0 47	21 50	0 10	16 57	4 36	13 8	12 44	19 20			n.a.
T 15	23 19	19 8	4 27	24 6	1 24	9 49	3 48	23 1	0 37	22 38	0 6	23 12	0 39	11 23	0 47	21 50	0 10	16 57	4 36	13 12	12 45	19 21			n.a.
F 16	23 24	19 45	3 39	24 22	1 29	10 4	3 49	23 8	0 37	22 37	0 6	23 12	0 39	11 23	0 47	21 50	0 10	16 58	4 36	13 15	12 46	19 21			n.a.
S 17	23 28	18 57	2 37	24 37	1 33	10 19	3 50	23 14	0 38	22 36	0 5	23 11	0 39	11 23	0 47	21 51	0 10	16 58	4 36	13 17	12 47	19 22			n.a.
S 18	23 31	16 51	1 25	24 50	1 37	10 34	3 51	23 21	0 38	22 35	0 5	23 10	0 39	11 23	0 47	21 51	0 10	16 58	4 36	13 18	12 48	19 22			n.a.
M19	23 34	13 45	0 10	25 2	1 41	10 49	3 52	23 27	0 39	22 35	0 5	23 9	0 39	11 23	0 47	21 51	0 10	16 59	4 35	13 18	12 49	19 23			n.a.
T 20	23 37	9 58	1s 4	25 12	1 45	11 5	3 53	23 33	0 40	22 34	0 5	23 8	0 39	11 24	0 47	21 51	0 10	16 59	4 35	13 18	12 51	19 23			n.a.
W21	23 39	5 48	2 12	25 21	1 48	11 21	3 53	23 39	0 40	22 33	0 5	23 7	0 39	11 24	0 47	21 52	0 10	17 0	4 35	13 18	12 52	19 24			n.a.
T 22	23 41	1 28	3 11	25 29	1 51	11 37	3 53	23 44	0 41	22 32	0 5	23 6	0 39	11 24	0 47	21 52	0 10	17 0	4 35	13 18	12 53	19 24			n.a.
F 23	23 42	2n48	3 59	25 35	1 54	11 54	3 53	23 49	0 41	22 31	0 4	23 5	0 39	11 24	0 47	21 52	0 10	17 0	4 35	13 19	12 54	19 25			n.a.
S 24	23 43	6 52	4 34	25 39	1 56	12 11	3 53	23 54	0 42	22 30	0 4	23 4	0 39	11 25	0 48	21 53	0 11	17 1	4 35	13 20	12 55	19 25			n.a.
S 25	23 43	10 35	4 56	25 41	1 58	12 27	3 53	23 58	0 42	22 30	0 4	23 4	0 39	11 25	0 48	21 53	0 11	17 1	4 35	13 22	12 56	19 26			n.a.
M26	23 43	13 49	5 5	25 42	2 0	12 44	3 52	24 3	0 43	22 29	0 4	23 3	0 40	11 25	0 48	21 53	0 11	17 2	4 35	13 25	12 57	19 26			n.a.
T 27	23 42	16 27	5 0	25 41	2 1	13 1	3 51	24 7	0 43	22 28	0 4	23 2	0 40	11 26	0 48	21 53	0 11	17 2	4 35	13 29	12 58	19 27			n.a.
W28	23 41	18 22	4 43	25 38	2 2	13 18	3 50	24 10	0 44	22 27	0 4	23 1	0 40	11 26	0 48	21 54	0 11	17 2	4 35	13 32	12 59	19 27			n.a.
T 29	23 39	19 30	4 13	25 34	2 2	13 35	3 49	24 14	0 45	22 26	0 4	23 0	0 40	11 26	0 48	21 54	0 11	17 3	4 35	13 36	13 0	19 28			n.a.
F 30	23 37	19 47	3 32	25 27	2 2	13 52	3 48	24 17	0 45	22 26	0 3	22 59	0 40	11 27	0 48	21 54	0 11	17 3	4 35	13 39	13 1	19 28			n.a.
S 31	23s35	19n11	2s41	25s19	2s 2	14s 9	3n47	24s20	0s46	22n25	0s 3	22s58	0s40	11n27	0n48	21n54	0n11	17s 3	4n35	13n41	13n 2	19n29			n.a.

Julian Day Number = 1642132.5, Delta T = 03h35m48s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'58, Lahiri = - 6°56'58 Julian Calendar 1 Dec. 218 BCE == Greg. Calendar 27 Nov. 218 BCE

The year -217 astronomical counting style corresponds to year 218 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

JANUARY 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 24 4	7♉ 4'12	4♌19	12♉16	20♏24	24♐34	11°R42	19♉27	2°R28	22°R58	6♐ 6	23°R54	25♌49	0♋36	n.a.	S 1
M 2	6 28 0	8° 5'07	16°18	14° 2	21°23	25°21	11♊35	19°34	2♍27	22♋56	6° 8	23♌52	25°46	0°43	n.a.	M 2
T 3	6 31 57	9° 6'01	28°25	15°48	22°23	26° 8	11°29	19°41	2°26	22°55	6° 9	23°D52	25°43	0°50	n.a.	T 3
W 4	6 35 53	10° 6'53	10♍43	17°35	23°23	26°55	11°23	19°49	2°25	22°53	6°11	23°53	25°40	0°57	n.a.	W 4
T 5	6 39 50	11° 7'45	23°15	19°22	24°23	27°41	11°16	19°56	2°23	22°52	6°13	23°54	25°37	1° 3	n.a.	T 5
F 6	6 43 46	12° 8'36	6♎ 7	21° 9	25°24	28°28	11°10	20° 3	2°22	22°50	6°15	23°R56	25°34	1°10	n.a.	F 6
S 7	6 47 43	13° 9'25	19°22	22°56	26°25	29°15	11° 5	20°10	2°21	22°48	6°17	23°56	25°30	1°17	n.a.	S 7
S 8	6 51 40	14°10'14	3♏ 3	24°43	27°26	0♉ 2	10°59	20°17	2°19	22°47	6°19	23°54	25°27	1°23	n.a.	S 8
M 9	6 55 36	15°11'02	17°12	26°30	28°28	0°49	10°53	20°25	2°18	22°45	6°20	23°51	25°24	1°30	n.a.	M 9
T 10	6 59 33	16°11'48	1♐46	28°16	29°30	1°36	10°48	20°32	2°16	22°43	6°22	23°46	25°21	1°37	n.a.	T 10
W11	7 3 29	17°12'33	16°42	0♒ 1	0♐33	2°22	10°43	20°39	2°15	22°42	6°24	23°40	25°18	1°43	n.a.	W11
T 12	7 7 26	18°13'17	1♉52	1°46	1°35	3° 9	10°37	20°47	2°13	22°40	6°26	23°35	25°14	1°50	n.a.	T 12
F 13	7 11 22	19°13'59	17° 7	3°28	2°39	3°56	10°32	20°54	2°12	22°38	6°27	23°30	25°11	1°57	n.a.	F 13
S 14	7 15 19	20°14'40	2♒15	5° 9	3°42	4°43	10°28	21° 1	2°10	22°37	6°29	23°27	25° 8	2° 4	n.a.	S 14
S 15	7 19 15	21°15'20	17° 8	6°48	4°46	5°30	10°23	21° 8	2° 8	22°35	6°31	23°D25	25° 5	2°10	n.a.	S 15
M16	7 23 12	22°15'57	1♓38	8°24	5°49	6°17	10°19	21°16	2° 6	22°33	6°32	23°25	25° 2	2°17	n.a.	M16
T 17	7 27 9	23°16'32	15°42	9°56	6°54	7° 4	10°14	21°23	2° 5	22°32	6°34	23°27	24°59	2°24	n.a.	T 17
W18	7 31 5	24°17'06	29°17	11°24	7°58	7°51	10°10	21°30	2° 3	22°30	6°36	23°28	24°55	2°30	n.a.	W18
T 19	7 35 2	25°17'38	12♈26	12°48	9° 3	8°38	10° 6	21°37	2° 1	22°28	6°37	23°30	24°52	2°37	n.a.	T 19
F 20	7 38 58	26°18'07	25°12	14° 7	10° 8	9°25	10° 3	21°45	1°59	22°26	6°39	23°R30	24°49	2°44	n.a.	F 20
S 21	7 42 55	27°18'35	7♉39	15°19	11°13	10°12	9°59	21°52	1°57	22°25	6°40	23°30	24°46	2°50	n.a.	S 21
S 22	7 46 51	28°19'01	19°50	16°25	12°18	10°59	9°56	21°59	1°55	22°23	6°42	23°28	24°43	2°57	n.a.	S 22
M23	7 50 48	29°19'24	1♊51	17°23	13°24	11°46	9°53	22° 6	1°53	22°21	6°43	23°25	24°40	3° 4	n.a.	M23
T 24	7 54 44	0♒19'46	13°45	18°14	14°29	12°33	9°50	22°14	1°51	22°20	6°45	23°22	24°36	3°10	n.a.	T 24
W25	7 58 41	1°20'05	25°36	18°56	15°35	13°20	9°47	22°21	1°49	22°18	6°46	23°18	24°33	3°17	n.a.	W25
T 26	8 2 38	2°20'23	7♋26	19°30	16°41	14° 7	9°44	22°28	1°47	22°16	6°48	23°14	24°30	3°24	n.a.	T 26
F 27	8 6 34	3°20'39	19°18	19°53	17°48	14°54	9°42	22°35	1°45	22°15	6°49	23°11	24°27	3°31	n.a.	F 27
S 28	8 10 31	4°20'53	1♌15	20° 8	18°54	15°42	9°40	22°42	1°42	22°13	6°50	23° 9	24°24	3°37	n.a.	S 28
S 29	8 14 27	5°21'04	13°17	20°R12	20° 1	16°29	9°38	22°49	1°40	22°12	6°52	23° 7	24°20	3°44	n.a.	S 29
M30	8 18 24	6°21'14	25°27	20° 7	21° 8	17°16	9°36	22°57	1°38	22°10	6°53	23°D 7	24°17	3°51	n.a.	M30
T 31	8 22 20	7♒21'22	7♍47	19♒53	22♐15	18♉ 3	9♊35	23♉ 4	1♍36	22♋ 8	6♐54	23♌ 8	24♌14	3♋57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23s32	17n44	1s44	25s 9	2s 1	14s26	3n45	24s23	0s46	22n24	0s 3	22s57	0s40	11n27	0n48	21n55	0n11	17s 4	4n35	13n42	13n 4	19n29			n.a.
M 2	23 28	15 29	0 41	24 57	1 59	14 43	3 44	24 25	0 47	22 23	0 3	22 56	0 40	11 28	0 48	21 55	0 11	17 4	4 35	13 43	13 5	19 30			n.a.
T 3	23 24	12 33	0n25	24 42	1 57	15 0	3 42	24 27	0 47	22 23	0 3	22 55	0 40	11 28	0 48	21 55	0 11	17 4	4 35	13 43	13 6	19 30			n.a.
W 4	23 20	9 1	1 30	24 26	1 54	15 17	3 40	24 29	0 48	22 22	0 3	22 54	0 40	11 29	0 48	21 56	0 11	17 5	4 35	13 43	13 7	19 31			n.a.
T 5	23 15	5 2	2 33	24 8	1 51	15 34	3 38	24 30	0 48	22 21	0 2	22 53	0 40	11 29	0 48	21 56	0 11	17 5	4 35	13 42	13 8	19 31			n.a.
F 6	23 9	0 44	3 29	23 48	1 47	15 51	3 35	24 31	0 49	22 20	0 2	22 52	0 40	11 30	0 48	21 56	0 11	17 5	4 35	13 42	13 9	19 32			n.a.
S 7	23 4	3s43	4 16	23 26	1 43	16 7	3 33	24 32	0 49	22 20	0 2	22 51	0 40	11 30	0 48	21 57	0 11	17 6	4 35	13 42	13 10	19 32			n.a.
S 8	22 57	8 7	4 51	23 2	1 37	16 24	3 31	24 33	0 50	22 19	0 2	22 50	0 40	11 31	0 48	21 57	0 11	17 6	4 35	13 43	13 11	19 33			n.a.
M 9	22 51	12 14	5 9	22 36	1 31	16 40	3 28	24 33	0 50	22 18	0 2	22 49	0 40	11 32	0 48	21 57	0 11	17 6	4 35	13 44	13 12	19 33			n.a.
T 10	22 43	15 44	5 8	22 8	1 25	16 56	3 26	24 33	0 51	22 18	0 2	22 48	0 40	11 32	0 48	21 57	0 11	17 7	4 35	13 45	13 13	19 33			n.a.
W11	22 36	18 18	4 46	21 38	1 17	17 12	3 23	24 33	0 51	22 17	0 2	22 47	0 41	11 33	0 48	21 58	0 11	17 7	4 35	13 47	13 14	19 34			n.a.
T 12	22 28	19 38	4 5	21 7	1 9	17 27	3 20	24 33	0 52	22 17	0 1	22 46	0 41	11 33	0 48	21 58	0 11	17 7	4 35	13 49	13 15	19 34			n.a.
F 13	22 19	19 33	3 5	20 35	1 0	17 43	3 17	24 32	0 52	22 16	0 1	22 45	0 41	11 34	0 48	21 58	0 11	17 8	4 35	13 51	13 17	19 35			n.a.
S 14	22 10	18 3	1 53	20 1	0 51	17 58	3 14	24 31	0 53	22 16	0 1	22 44	0 41	11 35	0 48	21 59	0 11	17 8	4 35	13 52	13 18	19 35			n.a.
S 15	22 1	15 20	0 34	19 26	0 40	18 13	3 11	24 29	0 53	22 15	0 1	22 42	0 41	11 35	0 48	21 59	0 11	17 8	4 35	13 52	13 19	19 36			n.a.
M16	21 51	11 43	0s45	18 50	0 29	18 27	3 8	24 28	0 54	22 15	0 1	22 41	0 41	11 36	0 48	21 59	0 11	17 8	4 35	13 52	13 20	19 36			n.a.
T 17	21 41	7 32	1 59	18 14	0 17	18 41	3 4	24 26	0 54	22 14	0 1	22 40	0 41	11 37	0 48	21 59	0 11	17 9	4 35	13 52	13 21	19 36			n.a.
W18	21 31	3 6	3 4	17 37	0 4	18 55	3 1	24 24	0 55	22 14	0 1	22 39	0 41	11 37	0 48	22 0	0 11	17 9	4 35	13 51	13 22	19 37			n.a.
T 19	21 20	1n20	3 57	17 1	0n10	19 9	2 57	24 21	0 55	22 13	0 0	22 38	0 41	11 38	0 48	22 0	0 11	17 9	4 35	13 51	13 23	19 37			n.a.
F 20	21 8	5 34	4 37	16 25	0 24	19 22	2 54	24 18	0 56	22 13	0 0	22 37	0 41	11 39	0 48	22 0	0 11	17 9	4 35	13 51	13 24	19 38			n.a.
S 21	20 57	9 28	5 2	15 49	0 38	19 34	2 50	24 15	0 56	22 12	0 0	22 36	0 41	11 39	0 49	22 1	0 11	17 10	4 35	13 51	13 25	19 38			n.a.
S 22	20 44	12 52	5 13	15 15	0 54	19 47	2 47	24 12	0 56	22 12	0n 0	22 35	0 41	11 40	0 49	22 1	0 11	17 10	4 35	13 51	13 26	19 38			n.a.
M23	20 32	15 42	5 11	14 42	1 9	19 59	2 43	24 8	0 57	22 12	0 0	22 34	0 41	11 41	0 49	22 1	0 11	17 10	4 35	13 52	13 27	19 39			n.a.
T 24	20 19	17 51	4 55	14 12	1 25	20 10	2 39	24 4	0 57	22 11	0 0	22 33	0 42	11 42	0 49	22 1	0 11	17 10	4 35	13 53	13 28	19 39			n.a.
W25	20 6	19 13	4 26	13 43	1 41	20 21	2 35	24 0	0 58	22 11	0 0	22 32	0 42	11 42	0 49	22 2	0 11	17 11	4 35	13 55	13 29	19 40			n.a.
T 26	19 52	19 45	3 46	13 18	1 57	20 32	2 31	23 55	0 58	22 11	0 1	22 30	0 42	11 43	0 49	22 2	0 11	17 11	4 35	13 56	13 31	19 40			n.a.
F 27	19 38	19 25	2 56	12 56	2 12	20 42	2 28	23 51	0 59	22 11	0 1	22 29	0 42	11 44	0 49	22 2	0 11	17 11	4 35	13 57	13 32	19 40			n.a.
S 28	19 24	18 12	1 58	12 37	2 28	20 52	2 24	23 46	0 59	22 10	0 1	22 28	0 42	11 45	0 49	22 3	0 11	17 11	4 35	13 58	13 33	19 41			n.a.
S 29	19 9	16 10	0 54	12 21	2 42	21 1	2 20	23 40	0 59	22 10	0 1	22 27	0 42	11 46	0 49	22 3	0 11	17 11	4 35	13 58	13 34	19 41			n.a.
M30	18 54	13 23	0n13	12 10	2 56	21 10	2 16	23 35	1 0	22 10	0 1	22 26	0 42	11 47	0 49	22 3	0 11	17 12	4 35	13 58	13 35	19 42			n.a.
T 31	18s39	9n59	1n20	12s 3	3n 8	21s18	2n12	23s29	1s 0	22n10	0n 1	22s25	0s42	11n47	0n49	22n 3	0n11	17s12	4n35	13n58	13n36	19n42			n.a.

Julian Day Number = 1642163.5, Delta T = 03h35m46s
Ecliptic obliquity = 23°43'09, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'54, Lahiri = - 6°56'54 Julian Calendar 1 Jan. 217 BCE == Greg. Calendar 28 Dec. 218 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

FEBRUARY 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 26 17	8♒21'28	20♍18	19°R29	23♐22	18♑50	9°R33	23♑11	1°R33	22°R 7	6♐56	23♌ 9	24♌11	4♋ 4	n.a.	W 1
T 2	8 30 13	9°21'33	3♎ 2	18♒58	24°29	19°37	9♊32	23°18	1♍31	22♋ 5	6°57	23°10	24° 8	4°11	n.a.	T 2
F 3	8 34 10	10°21'35	16° 2	18°18	25°37	20°24	9°31	23°25	1°29	22° 3	6°58	23°11	24° 5	4°17	n.a.	F 3
S 4	8 38 7	11°21'36	29°20	17°32	26°45	21°11	9°30	23°32	1°26	22° 2	6°59	23°12	24° 1	4°24	n.a.	S 4
S 5	8 42 3	12°21'35	12♏57	16°41	27°52	21°58	9°29	23°39	1°24	22° 0	7° 0	23°R12	23°58	4°31	n.a.	S 5
M 6	8 46 0	13°21'33	26°54	15°45	29° 0	22°45	9°29	23°46	1°22	21°59	7° 1	23°12	23°55	4°37	n.a.	M 6
T 7	8 49 56	14°21'29	11♐11	14°47	0♑ 8	23°32	9°29	23°53	1°19	21°57	7° 2	23°11	23°52	4°44	n.a.	T 7
W 8	8 53 53	15°21'23	25°45	13°47	1°16	24°19	9°D29	24° 0	1°17	21°56	7° 4	23°10	23°49	4°51	n.a.	W 8
T 9	8 57 49	16°21'15	10♑33	12°48	2°25	25° 6	9°29	24° 7	1°14	21°54	7° 5	23° 9	23°45	4°58	n.a.	T 9
F 10	9 1 46	17°21'06	25°26	11°50	3°33	25°53	9°29	24°14	1°12	21°53	7° 6	23° 9	23°42	5° 4	n.a.	F 10
S 11	9 5 42	18°20'54	10♒19	10°54	4°42	26°40	9°30	24°21	1° 9	21°51	7° 7	23° 8	23°39	5°11	n.a.	S 11
S 12	9 9 39	19°20'41	25° 3	10° 1	5°50	27°28	9°31	24°28	1° 7	21°50	7° 8	23°D 8	23°36	5°18	n.a.	S 12
M13	9 13 36	20°20'25	9♓30	9°13	6°59	28°15	9°32	24°34	1° 4	21°48	7° 8	23° 8	23°33	5°24	n.a.	M13
T 14	9 17 32	21°20'07	23°36	8°30	8° 8	29° 2	9°33	24°41	1° 2	21°47	7° 9	23° 9	23°30	5°31	n.a.	T 14
W15	9 21 29	22°19'47	7♈18	7°53	9°17	29°49	9°34	24°48	0°59	21°46	7°10	23° 9	23°26	5°38	n.a.	W15
T 16	9 25 25	23°19'24	20°35	7°22	10°26	0♒36	9°36	24°55	0°56	21°44	7°11	23°R 9	23°23	5°44	n.a.	T 16
F 17	9 29 22	24°18'59	3♉27	6°56	11°35	1°23	9°37	25° 1	0°54	21°43	7°12	23° 9	23°20	5°51	n.a.	F 17
S 18	9 33 18	25°18'31	15°59	6°37	12°44	2°10	9°39	25° 8	0°51	21°41	7°13	23° 9	23°17	5°58	n.a.	S 18
S 19	9 37 15	26°18'02	28°13	6°24	13°53	2°57	9°41	25°15	0°49	21°40	7°13	23°D 9	23°14	6° 4	n.a.	S 19
M20	9 41 11	27°17'30	10♊15	6°17	15° 3	3°43	9°44	25°21	0°46	21°39	7°14	23° 9	23°11	6°11	n.a.	M20
T 21	9 45 8	28°16'55	22° 9	6°D16	16°12	4°30	9°46	25°28	0°44	21°37	7°15	23° 9	23° 7	6°18	n.a.	T 21
W22	9 49 4	29°16'18	3♋59	6°21	17°22	5°17	9°49	25°34	0°41	21°36	7°15	23°10	23° 4	6°25	n.a.	W22
T 23	9 53 1	0♓15'39	15°49	6°32	18°31	6° 4	9°51	25°41	0°38	21°35	7°16	23°10	23° 1	6°31	n.a.	T 23
F 24	9 56 58	1°14'57	27°44	6°48	19°41	6°51	9°55	25°47	0°36	21°34	7°17	23°11	22°58	6°38	n.a.	F 24
S 25	10 0 54	2°14'13	9♌47	7° 8	20°51	7°38	9°58	25°53	0°33	21°33	7°17	23°12	22°55	6°45	n.a.	S 25
S 26	10 4 51	3°13'27	22° 0	7°34	22° 1	8°25	10° 1	26° 0	0°31	21°31	7°18	23°R12	22°51	6°51	n.a.	S 26
M27	10 8 47	4°12'39	4♍24	8° 4	23°11	9°12	10° 5	26° 6	0°28	21°30	7°18	23°12	22°48	6°58	n.a.	M27
T 28	10 12 44	5°11'48	17° 1	8°39	24°21	9°59	10° 8	26°12	0°25	21°29	7°19	23°11	22°45	7° 5	n.a.	T 28
W29	10 16 40	6♓10'55	29♍53	9♒17	25♑31	10♒45	10♊12	26♑18	0♍23	21♋28	7♐19	23♌10	22♌42	7♋11	n.a.	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s23	6n 6	2n25	11s59	3n20	21s26	2n 7	23s23	1s 1	22n10	0n 1	22s24	0s42	11n48	0n49	22n 4	0n11	17s12	4n35	13n58	13n37	19n42		n.a.
T 2	18 7	1 53	3 24	12 0	3 29	21 33	2 3	23 16	1 1	22 10	0 2	22 23	0 42	11 49	0 49	22 4	0 11	17 12	4 35	13 57	13 38	19 43		n.a.
F 3	17 51	2s30	4 13	12 4	3 38	21 40	1 59	23 10	1 1	22 10	0 2	22 21	0 42	11 50	0 49	22 4	0 11	17 12	4 35	13 57	13 39	19 43		n.a.
S 4	17 34	6 51	4 50	12 12	3 44	21 46	1 55	23 3	1 2	22 10	0 2	22 20	0 42	11 51	0 49	22 5	0 11	17 12	4 35	13 57	13 40	19 43		n.a.
S 5	17 17	10 57	5 12	12 24	3 48	21 51	1 51	22 56	1 2	22 10	0 2	22 19	0 43	11 52	0 49	22 5	0 11	17 13	4 35	13 57	13 41	19 44		n.a.
M 6	17 0	14 34	5 16	12 38	3 50	21 56	1 47	22 48	1 2	22 10	0 2	22 18	0 43	11 53	0 49	22 5	0 11	17 13	4 35	13 57	13 42	19 44		n.a.
T 7	16 43	17 24	5 2	12 55	3 50	22 1	1 43	22 40	1 3	22 10	0 2	22 17	0 43	11 53	0 49	22 5	0 11	17 13	4 35	13 57	13 43	19 44		n.a.
W 8	16 25	19 12	4 27	13 14	3 48	22 4	1 38	22 32	1 3	22 10	0 2	22 16	0 43	11 54	0 49	22 6	0 11	17 13	4 35	13 57	13 44	19 45		n.a.
T 9	16 7	19 43	3 35	13 35	3 44	22 8	1 34	22 24	1 4	22 10	0 2	22 15	0 43	11 55	0 49	22 6	0 11	17 13	4 35	13 57	13 45	19 45		n.a.
F 10	15 49	18 53	2 28	13 57	3 38	22 10	1 30	22 16	1 4	22 11	0 3	22 14	0 43	11 56	0 49	22 6	0 11	17 13	4 35	13 58	13 47	19 45		n.a.
S 11	15 30	16 44	1 11	14 20	3 30	22 13	1 26	22 7	1 4	22 11	0 3	22 12	0 43	11 57	0 49	22 6	0 11	17 13	4 35	13 58	13 48	19 46		n.a.
S 12	15 12	13 29	0s11	14 43	3 21	22 14	1 21	21 58	1 4	22 11	0 3	22 11	0 43	11 58	0 49	22 7	0 11	17 14	4 35	13 58	13 49	19 46		n.a.
M13	14 53	9 29	1 30	15 6	3 11	22 15	1 17	21 49	1 5	22 11	0 3	22 10	0 43	11 59	0 49	22 7	0 11	17 14	4 36	13 58	13 50	19 46		n.a.
T 14	14 33	5 2	2 41	15 28	2 59	22 15	1 13	21 39	1 5	22 12	0 3	22 9	0 43	12 0	0 49	22 7	0 11	17 14	4 36	13 58	13 51	19 47		n.a.
W15	14 14	0 27	3 42	15 50	2 46	22 15	1 9	21 30	1 5	22 12	0 3	22 8	0 44	12 1	0 49	22 7	0 11	17 14	4 36	13 58	13 52	19 47		n.a.
T 16	13 54	4n 0	4 28	16 11	2 33	22 14	1 5	21 20	1 6	22 12	0 3	22 7	0 44	12 2	0 49	22 8	0 11	17 14	4 36	13 58	13 53	19 47		n.a.
F 17	13 34	8 8	4 59	16 31	2 19	22 12	1 0	21 10	1 6	22 13	0 3	22 6	0 44	12 3	0 49	22 8	0 11	17 14	4 36	13 58	13 54	19 48		n.a.
S 18	13 14	11 47	5 15	16 49	2 5	22 10	0 56	20 59	1 6	22 13	0 4	22 5	0 44	12 4	0 49	22 8	0 11	17 14	4 36	13 58	13 55	19 48		n.a.
S 19	12 54	14 51	5 16	17 6	1 51	22 7	0 52	20 49	1 7	22 13	0 4	22 3	0 44	12 5	0 49	22 8	0 11	17 14	4 36	13 58	13 56	19 48		n.a.
M20	12 33	17 14	5 4	17 22	1 36	22 4	0 48	20 38	1 7	22 14	0 4	22 2	0 44	12 5	0 49	22 8	0 11	17 14	4 36	13 58	13 57	19 49		n.a.
T 21	12 13	18 52	4 38	17 36	1 22	22 0	0 44	20 27	1 7	22 14	0 4	22 1	0 44	12 6	0 49	22 9	0 11	17 14	4 36	13 58	13 58	19 49		n.a.
W22	11 52	19 39	4 1	17 49	1 8	21 55	0 40	20 15	1 7	22 15	0 4	22 0	0 44	12 7	0 49	22 9	0 11	17 14	4 36	13 57	13 59	19 49		n.a.
T 23	11 31	19 35	3 13	17 59	0 54	21 50	0 36	20 4	1 8	22 15	0 4	21 59	0 44	12 8	0 49	22 9	0 11	17 15	4 36	13 57	14 0	19 49		n.a.
F 24	11 9	18 37	2 17	18 9	0 40	21 44	0 32	19 52	1 8	22 16	0 4	21 58	0 45	12 9	0 49	22 9	0 11	17 15	4 36	13 57	14 1	19 50		n.a.
S 25	10 48	16 49	1 14	18 16	0 27	21 38	0 28	19 40	1 8	22 17	0 4	21 57	0 45	12 10	0 49	22 9	0 11	17 15	4 36	13 57	14 2	19 50		n.a.
S 26	10 26	14 14	0 7	18 22	0 14	21 30	0 24	19 28	1 8	22 17	0 4	21 56	0 45	12 11	0 49	22 10	0 11	17 15	4 36	13 57	14 3	19 50		n.a.
M27	10 5	10 58	1n 2	18 27	0 1	21 23	0 20	19 16	1 9	22 18	0 5	21 55	0 45	12 12	0 49	22 10	0 11	17 15	4 36	13 57	14 4	19 51		n.a.
T 28	9 43	7 9	2 8	18 29	0s11	21 14	0 16	19 3	1 9	22 19	0 5	21 54	0 45	12 13	0 49	22 10	0 11	17 15	4 36	13 57	14 6	19 51		n.a.
W29	9s21	2n56	3n 9	18s30	0s23	21s 5	0n12	18s51	1s 9	22n19	0n 5	21s53	0s45	12n14	0n49	22n10	0n11	17s15	4n36	13n57	14n 7	19n51		n.a.

Julian Day Number = 1642194.5, Delta T = 03h35m45s
Ecliptic obliquity = 23°43'10, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'50, Lahiri = - 6°56'50 Julian Calendar 1 Feb. 217 BCE == Greg. Calendar 28 Jan. 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

MARCH 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 20 37	7♓10'00	12♎58	10♒ 0	26♑41	11♒32	10♊16	26♑24	0°R20	21°R27	7♐19	23°R 8	22♌39	7♋18	n.a.	T 1
F 2	10 24 33	8° 9'03	26°17	10°45	27°51	12°19	10°21	26°30	0♍18	21♋26	7°20	23♌ 6	22°36	7°25	n.a.	F 2
S 3	10 28 30	9° 8'05	9♏49	11°35	29° 1	13° 6	10°25	26°36	0°15	21°25	7°20	23° 4	22°32	7°31	n.a.	S 3
S 4	10 32 26	10° 7'04	23°34	12°27	0♒11	13°52	10°30	26°42	0°13	21°24	7°20	23° 3	22°29	7°38	n.a.	S 4
M 5	10 36 23	11° 6'02	7♐31	13°23	1°22	14°39	10°34	26°48	0°10	21°23	7°21	23°D 2	22°26	7°45	n.a.	M 5
T 6	10 40 20	12° 4'58	21°38	14°22	2°32	15°26	10°39	26°54	0° 7	21°22	7°21	23° 2	22°23	7°51	n.a.	T 6
W 7	10 44 16	13° 3'52	5♑55	15°23	3°43	16°12	10°44	27° 0	0° 5	21°21	7°21	23° 3	22°20	7°58	n.a.	W 7
T 8	10 48 13	14° 2'45	20°19	16°27	4°53	16°59	10°50	27° 6	0° 2	21°20	7°21	23° 4	22°17	8° 5	n.a.	T 8
F 9	10 52 9	15° 1'35	4♒45	17°34	6° 4	17°46	10°55	27°11	29♌59	21°19	7°21	23° 6	22°13	8°11	n.a.	F 9
S 10	10 56 6	16° 0'24	19°12	18°43	7°15	18°32	11° 0	27°17	29°57	21°18	7°22	23°R 6	22°10	8°18	n.a.	S 10
S 11	11 0 2	16°59'10	3♓32	19°54	8°25	19°19	11° 6	27°23	29°55	21°18	7°22	23° 6	22° 7	8°25	n.a.	S 11
M12	11 3 59	17°57'55	17°42	21° 7	9°36	20° 5	11°12	27°28	29°53	21°17	7°22	23° 5	22° 4	8°32	n.a.	M12
T 13	11 7 55	18°56'37	1♈36	22°23	10°47	20°52	11°18	27°33	29°50	21°16	7°R22	23° 2	22° 1	8°38	n.a.	T 13
W14	11 11 52	19°55'17	15°12	23°41	11°58	21°38	11°24	27°39	29°48	21°15	7°22	22°58	21°57	8°45	n.a.	W14
T 15	11 15 49	20°53'56	28°27	25° 1	13° 8	22°25	11°31	27°44	29°45	21°15	7°22	22°54	21°54	8°52	n.a.	T 15
F 16	11 19 45	21°52'32	11♉21	26°22	14°19	23°11	11°37	27°49	29°43	21°14	7°22	22°49	21°51	8°58	n.a.	F 16
S 17	11 23 42	22°51'05	23°55	27°46	15°30	23°57	11°44	27°55	29°41	21°13	7°21	22°45	21°48	9° 5	n.a.	S 17
S 18	11 27 38	23°49'37	6♊12	29°11	16°41	24°44	11°50	28° 0	29°38	21°13	7°21	22°43	21°45	9°12	n.a.	S 18
M19	11 31 35	24°48'06	18°15	0♓39	17°52	25°30	11°57	28° 5	29°36	21°12	7°21	22°41	21°42	9°18	n.a.	M19
T 20	11 35 31	25°46'33	0♋10	2° 8	19° 3	26°16	12° 4	28°10	29°34	21°12	7°21	22°D41	21°38	9°25	n.a.	T 20
W21	11 39 28	26°44'58	12° 0	3°39	20°14	27° 3	12°12	28°15	29°32	21°11	7°21	22°42	21°35	9°32	n.a.	W21
T 22	11 43 24	27°43'21	23°51	5°12	21°26	27°49	12°19	28°20	29°29	21°11	7°20	22°44	21°32	9°38	n.a.	T 22
F 23	11 47 21	28°41'41	5♌49	6°46	22°37	28°35	12°26	28°24	29°27	21°10	7°20	22°45	21°29	9°45	n.a.	F 23
S 24	11 51 18	29°39'59	17°56	8°22	23°48	29°21	12°34	28°29	29°25	21°10	7°20	22°R46	21°26	9°52	n.a.	S 24
S 25	11 55 14	0♈38'15	0♍17	10° 0	24°59	0♓ 7	12°42	28°34	29°23	21° 9	7°19	22°46	21°22	9°58	n.a.	S 25
M26	11 59 11	1°36'29	12°55	11°40	26°10	0°53	12°50	28°38	29°21	21° 9	7°19	22°44	21°19	10° 5	n.a.	M26
T 27	12 3 7	2°34'41	25°50	13°21	27°22	1°39	12°58	28°43	29°19	21° 9	7°19	22°41	21°16	10°12	n.a.	T 27
W28	12 7 4	3°32'52	9♎ 4	15° 5	28°33	2°25	13° 6	28°47	29°17	21° 9	7°18	22°35	21°13	10°18	n.a.	W28
T 29	12 11 0	4°31'00	22°34	16°50	29°44	3°11	13°14	28°51	29°15	21° 8	7°18	22°29	21°10	10°25	n.a.	T 29
F 30	12 14 57	5°29'07	6♏19	18°36	0♓56	3°57	13°22	28°56	29°13	21° 8	7°17	22°22	21° 7	10°32	n.a.	F 30
S 31	12 18 53	6♈27'12	20♏15	20♓25	2♓ 7	4♓43	13♊31	29♑ 0	29♌11	21♋ 8	7♐17	22♌15	21♌ 3	10♋38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚸	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	8s59	1s28	4n 2	18s30	0s34	20s56	0n 8	18s38	1s 9	22n20	0n 5	21s52	0s45	12n15	0n49	22n10	0n11	17s15	4n36	13n58	14n 8	19n51		n.a.
F 2	8 37	5 53	4 42	18 27	0 45	20 46	0 5	18 25	1 9	22 21	0 5	21 50	0 45	12 16	0 49	22 11	0 11	17 15	4 36	13 59	14 9	19 52		n.a.
S 3	8 14	10 4	5 8	18 23	0 55	20 35	0 1	18 12	1 10	22 21	0 5	21 49	0 45	12 17	0 49	22 11	0 11	17 15	4 36	13 59	14 10	19 52		n.a.
S 4	7 52	13 47	5 16	18 18	1 5	20 24	0s 3	17 58	1 10	22 22	0 5	21 48	0 46	12 18	0 49	22 11	0 11	17 15	4 36	14 0	14 11	19 52		n.a.
M 5	7 29	16 47	5 6	18 10	1 14	20 12	0 6	17 44	1 10	22 23	0 5	21 47	0 46	12 18	0 49	22 11	0 11	17 15	4 36	14 0	14 12	19 52		n.a.
T 6	7 7	18 50	4 38	18 2	1 22	19 59	0 10	17 31	1 10	22 24	0 5	21 46	0 46	12 19	0 49	22 11	0 11	17 15	4 36	14 0	14 13	19 53		n.a.
W 7	6 44	19 44	3 52	17 51	1 31	19 46	0 14	17 17	1 10	22 25	0 6	21 45	0 46	12 20	0 49	22 11	0 11	17 15	4 37	14 0	14 14	19 53		n.a.
T 8	6 21	19 21	2 51	17 39	1 38	19 33	0 17	17 3	1 10	22 25	0 6	21 44	0 46	12 21	0 49	22 12	0 11	17 15	4 37	13 59	14 15	19 53		n.a.
F 9	5 58	17 41	1 39	17 25	1 45	19 18	0 20	16 48	1 10	22 26	0 6	21 43	0 46	12 22	0 49	22 12	0 11	17 15	4 37	13 59	14 16	19 53		n.a.
S 10	5 35	14 54	0 22	17 10	1 52	19 4	0 24	16 34	1 11	22 27	0 6	21 42	0 46	12 23	0 49	22 12	0 11	17 15	4 37	13 58	14 17	19 54		n.a.
S 11	5 12	11 13	0s57	16 53	1 58	18 48	0 27	16 19	1 11	22 28	0 6	21 41	0 47	12 24	0 49	22 12	0 11	17 15	4 37	13 59	14 18	19 54		n.a.
M12	4 49	6 56	2 11	16 34	2 4	18 33	0 30	16 5	1 11	22 29	0 6	21 40	0 47	12 25	0 49	22 12	0 11	17 15	4 37	13 59	14 19	19 54		n.a.
T 13	4 25	2 21	3 16	16 14	2 9	18 16	0 34	15 50	1 11	22 30	0 6	21 39	0 47	12 25	0 49	22 12	0 11	17 15	4 37	14 0	14 20	19 54		n.a.
W14	4 2	2n15	4 8	15 52	2 13	18 0	0 37	15 35	1 11	22 31	0 6	21 38	0 47	12 26	0 49	22 12	0 11	17 15	4 37	14 1	14 21	19 54		n.a.
T 15	3 39	6 37	4 45	15 29	2 17	17 42	0 40	15 19	1 11	22 32	0 6	21 38	0 47	12 27	0 49	22 12	0 11	17 14	4 37	14 3	14 22	19 55		n.a.
F 16	3 16	10 33	5 7	15 4	2 20	17 24	0 43	15 4	1 11	22 33	0 7	21 37	0 47	12 28	0 49	22 13	0 11	17 14	4 37	14 4	14 23	19 55		n.a.
S 17	2 52	13 55	5 13	14 38	2 23	17 6	0 46	14 49	1 11	22 34	0 7	21 36	0 47	12 29	0 49	22 13	0 11	17 14	4 37	14 5	14 24	19 55		n.a.
S 18	2 29	16 36	5 5	14 10	2 26	16 47	0 49	14 33	1 11	22 35	0 7	21 35	0 47	12 30	0 49	22 13	0 11	17 14	4 37	14 6	14 25	19 55		n.a.
M19	2 5	18 30	4 43	13 40	2 27	16 28	0 51	14 17	1 11	22 36	0 7	21 34	0 48	12 30	0 49	22 13	0 11	17 14	4 37	14 7	14 26	19 55		n.a.
T 20	1 42	19 34	4 9	13 9	2 29	16 8	0 54	14 2	1 12	22 37	0 7	21 33	0 48	12 31	0 49	22 13	0 11	17 14	4 37	14 7	14 27	19 56		n.a.
W21	1 18	19 47	3 25	12 36	2 29	15 48	0 57	13 46	1 12	22 38	0 7	21 32	0 48	12 32	0 49	22 13	0 11	17 14	4 37	14 7	14 28	19 56		n.a.
T 22	0 55	19 6	2 31	12 2	2 30	15 28	0 59	13 30	1 12	22 39	0 7	21 31	0 48	12 33	0 49	22 13	0 11	17 14	4 37	14 6	14 29	19 56		n.a.
F 23	0 32	17 34	1 31	11 26	2 29	15 7	1 2	13 13	1 12	22 40	0 7	21 30	0 48	12 33	0 49	22 13	0 11	17 14	4 37	14 5	14 30	19 56		n.a.
S 24	0 8	15 13	0 26	10 49	2 29	14 45	1 4	12 57	1 12	22 41	0 7	21 30	0 48	12 34	0 49	22 13	0 11	17 14	4 37	14 5	14 32	19 56		n.a.
S 25	0n15	12 8	0n41	10 10	2 27	14 23	1 7	12 41	1 12	22 42	0 7	21 29	0 48	12 35	0 49	22 13	0 11	17 14	4 37	14 5	14 33	19 56		n.a.
M26	0 39	8 26	1 47	9 30	2 25	14 1	1 9	12 24	1 12	22 44	0 8	21 28	0 49	12 36	0 49	22 13	0 11	17 14	4 37	14 6	14 34	19 57		n.a.
T 27	1 2	4 16	2 50	8 48	2 23	13 39	1 11	12 8	1 12	22 45	0 8	21 27	0 49	12 36	0 49	22 13	0 11	17 14	4 37	14 7	14 35	19 57		n.a.
W28	1 26	0s12	3 45	8 5	2 20	13 16	1 13	11 51	1 12	22 46	0 8	21 26	0 49	12 37	0 49	22 13	0 11	17 13	4 37	14 9	14 36	19 57		n.a.
T 29	1 49	4 44	4 28	7 21	2 16	12 52	1 15	11 34	1 12	22 47	0 8	21 26	0 49	12 38	0 49	22 14	0 11	17 13	4 37	14 11	14 37	19 57		n.a.
F 30	2 12	9 7	4 57	6 35	2 12	12 29	1 17	11 17	1 12	22 48	0 8	21 25	0 49	12 38	0 49	22 14	0 11	17 13	4 37	14 13	14 38	19 57		n.a.
S 31	2n35	13s 4	5n 9	5s47	2s 7	12s 4	1s19	11s 0	1s12	22n49	0n 8	21s24	0s49	12n39	0n49	22n14	0n12	17s13	4n37	14n15	14n39	19n57		n.a.

Julian Day Number = 1642223.5, Delta T = 03h35m45s
Ecliptic obliquity = 23°43'11, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'46, Lahiri = - 6°56'46 Julian Calendar 1 March 217 BCE == Greg. Calendar 26 Feb. 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

APRIL 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 22 50	7♈25'15	4♐19	22♓15	3♓19	5♓29	13♊39	29♋ 4	29°R 9	21°R 8	7°R16	22°R10	21♌ 0	10♋45	n.a.	S 1
M 2	12 26 46	8°23'17	18°28	24° 7	4°30	6°14	13°48	29° 8	29♌ 7	21♋ 8	7♐16	22♌ 6	20°57	10°52	n.a.	M 2
T 3	12 30 43	9°21'18	2♋38	26° 1	5°42	7° 0	13°57	29°12	29° 6	21° 8	7°15	22° 5	20°54	10°58	n.a.	T 3
W 4	12 34 40	10°19'17	16°48	27°57	6°53	7°46	14° 6	29°16	29° 4	21° 7	7°14	22°D 5	20°51	11° 5	n.a.	W 4
T 5	12 38 36	11°17'15	0♒56	29°54	8° 5	8°32	14°15	29°20	29° 2	21°D 7	7°14	22° 6	20°48	11°12	n.a.	T 5
F 6	12 42 33	12°15'11	15° 1	1♈53	9°17	9°17	14°24	29°23	29° 0	21° 7	7°13	22°R 6	20°44	11°18	n.a.	F 6
S 7	12 46 29	13°13'06	29° 1	3°54	10°28	10° 3	14°33	29°27	28°59	21° 8	7°12	22° 6	20°41	11°25	n.a.	S 7
S 8	12 50 26	14°11'00	12♓55	5°56	11°40	10°48	14°43	29°30	28°57	21° 8	7°12	22° 5	20°38	11°32	n.a.	S 8
M 9	12 54 22	15° 8'52	26°39	8° 0	12°52	11°34	14°52	29°34	28°56	21° 8	7°11	22° 0	20°35	11°39	n.a.	M 9
T 10	12 58 19	16° 6'42	10♈13	10° 6	14° 3	12°19	15° 2	29°37	28°54	21° 8	7°10	21°54	20°32	11°45	n.a.	T 10
W11	13 2 15	17° 4'31	23°32	12°12	15°15	13° 5	15°11	29°41	28°53	21° 8	7° 9	21°45	20°28	11°52	n.a.	W11
T 12	13 6 12	18° 2'19	6♉35	14°20	16°27	13°50	15°21	29°44	28°51	21° 8	7° 8	21°36	20°25	11°59	n.a.	T 12
F 13	13 10 9	19° 0'05	19°22	16°29	17°39	14°35	15°31	29°47	28°50	21° 8	7° 7	21°26	20°22	12° 5	n.a.	F 13
S 14	13 14 5	19°57'49	1♊52	18°39	18°50	15°20	15°41	29°50	28°48	21° 9	7° 7	21°16	20°19	12°12	n.a.	S 14
S 15	13 18 2	20°55'32	14° 6	20°50	20° 2	16° 6	15°51	29°53	28°47	21° 9	7° 6	21° 9	20°16	12°19	n.a.	S 15
M16	13 21 58	21°53'13	26° 9	23° 1	21°14	16°51	16° 1	29°56	28°46	21° 9	7° 5	21° 3	20°13	12°25	n.a.	M16
T 17	13 25 55	22°50'52	8♋ 3	25°12	22°26	17°36	16°11	29°58	28°45	21°10	7° 4	21° 0	20° 9	12°32	n.a.	T 17
W18	13 29 51	23°48'30	19°53	27°23	23°38	18°21	16°22	0♒ 1	28°44	21°10	7° 3	20°D59	20° 6	12°39	n.a.	W18
T 19	13 33 48	24°46'06	1♌44	29°33	24°50	19° 6	16°32	0° 4	28°43	21°11	7° 2	20°59	20° 3	12°45	n.a.	T 19
F 20	13 37 44	25°43'41	13°41	1♉43	26° 2	19°51	16°43	0° 6	28°41	21°11	7° 1	21° 0	20° 0	12°52	n.a.	F 20
S 21	13 41 41	26°41'13	25°50	3°52	27°14	20°36	16°53	0° 8	28°40	21°12	7° 0	21°R 0	19°57	12°59	n.a.	S 21
S 22	13 45 38	27°38'45	8♍16	6° 0	28°26	21°20	17° 4	0°11	28°40	21°12	6°59	20°58	19°53	13° 5	n.a.	S 22
M23	13 49 34	28°36'15	21° 2	8° 6	29°38	22° 5	17°15	0°13	28°39	21°13	6°57	20°55	19°50	13°12	n.a.	M23
T 24	13 53 31	29°33'43	4♎11	10°10	0♈50	22°50	17°26	0°15	28°38	21°13	6°56	20°49	19°47	13°19	n.a.	T 24
W25	13 57 27	0♉31'10	17°42	12°13	2° 2	23°35	17°37	0°17	28°37	21°14	6°55	20°40	19°44	13°25	n.a.	W25
T 26	14 1 24	1°28'36	1♏36	14°13	3°14	24°19	17°48	0°19	28°36	21°15	6°54	20°30	19°41	13°32	n.a.	T 26
F 27	14 5 20	2°26'01	15°47	16°12	4°26	25° 4	17°59	0°21	28°35	21°15	6°53	20°20	19°38	13°39	n.a.	F 27
S 28	14 9 17	3°23'25	0♐10	18° 8	5°38	25°48	18°10	0°22	28°35	21°16	6°52	20° 9	19°34	13°45	n.a.	S 28
S 29	14 13 13	4°20'48	14°39	20° 1	6°50	26°33	18°21	0°24	28°34	21°17	6°50	20° 0	19°31	13°52	n.a.	S 29
M30	14 17 10	5♉18'10	29♐ 8	21♉52	8♈ 3	27♓17	18♊33	0♒26	28♌34	21♋18	6♐49	19♌54	19♌28	13♋59	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n59	16s19	5n 2	4s59	2s 2	11s40	1s21	10s43	1s12	22n50	0n 8	21s24	0s49	12n40	0n48	22n14	0n12	17s13	4n38	14n17	14n40	19n58		n.a.
M 2	3 22	18 37	4 37	4 8	1 57	11 15	1 23	10 26	1 12	22 52	0 8	21 23	0 50	12 40	0 48	22 14	0 12	17 13	4 38	14 18	14 41	19 58		n.a.
T 3	3 45	19 47	3 55	3 17	1 50	10 50	1 25	10 9	1 12	22 53	0 8	21 22	0 50	12 41	0 48	22 14	0 12	17 13	4 38	14 19	14 42	19 58		n.a.
W 4	4 8	19 42	2 59	2 24	1 44	10 25	1 26	9 52	1 11	22 54	0 8	21 21	0 50	12 41	0 48	22 14	0 12	17 13	4 38	14 19	14 43	19 58		n.a.
T 5	4 31	18 22	1 52	1 31	1 36	9 59	1 28	9 34	1 11	22 55	0 8	21 21	0 50	12 42	0 48	22 14	0 12	17 12	4 38	14 19	14 44	19 58		n.a.
F 6	4 54	15 55	0 38	0 36	1 29	9 34	1 29	9 17	1 11	22 56	0 9	21 20	0 50	12 43	0 48	22 14	0 12	17 12	4 38	14 18	14 45	19 58		n.a.
S 7	5 17	12 32	0s37	0n20	1 21	9 7	1 31	8 59	1 11	22 57	0 9	21 20	0 50	12 43	0 48	22 14	0 12	17 12	4 38	14 18	14 46	19 58		n.a.
S 8	5 39	8 28	1 50	1 17	1 12	8 41	1 32	8 42	1 11	22 59	0 9	21 19	0 51	12 44	0 48	22 14	0 12	17 12	4 38	14 19	14 47	19 58		n.a.
M 9	6 2	4 1	2 55	2 15	1 3	8 14	1 33	8 24	1 11	23 0	0 9	21 18	0 51	12 44	0 48	22 14	0 12	17 12	4 38	14 20	14 48	19 59		n.a.
T 10	6 25	0n35	3 49	3 13	0 54	7 48	1 34	8 7	1 11	23 1	0 9	21 18	0 51	12 45	0 48	22 14	0 12	17 12	4 38	14 22	14 49	19 59		n.a.
W11	6 47	5 5	4 29	4 12	0 44	7 20	1 35	7 49	1 11	23 2	0 9	21 17	0 51	12 45	0 48	22 14	0 12	17 12	4 38	14 25	14 50	19 59		n.a.
T 12	7 9	9 14	4 55	5 12	0 34	6 53	1 36	7 31	1 11	23 3	0 9	21 17	0 51	12 46	0 48	22 14	0 12	17 11	4 38	14 28	14 51	19 59		n.a.
F 13	7 32	12 53	5 5	6 12	0 24	6 26	1 37	7 13	1 11	23 4	0 9	21 16	0 51	12 46	0 48	22 14	0 12	17 11	4 38	14 32	14 52	19 59		n.a.
S 14	7 54	15 53	5 0	7 11	0 13	5 58	1 38	6 55	1 11	23 6	0 9	21 16	0 52	12 46	0 48	22 14	0 12	17 11	4 38	14 35	14 53	19 59		n.a.
S 15	8 16	18 6	4 41	8 11	0 3	5 30	1 39	6 38	1 10	23 7	0 9	21 15	0 52	12 47	0 48	22 14	0 12	17 11	4 38	14 37	14 54	19 59		n.a.
M16	8 37	19 30	4 10	9 10	0n 8	5 2	1 39	6 20	1 10	23 8	0 9	21 15	0 52	12 47	0 48	22 13	0 12	17 11	4 38	14 39	14 55	19 59		n.a.
T 17	8 59	20 0	3 29	10 9	0 18	4 34	1 40	6 2	1 10	23 9	0 10	21 14	0 52	12 48	0 48	22 13	0 12	17 11	4 38	14 40	14 56	19 59		n.a.
W18	9 21	19 37	2 38	11 6	0 29	4 6	1 41	5 44	1 10	23 10	0 10	21 14	0 52	12 48	0 48	22 13	0 12	17 11	4 38	14 40	14 57	19 59		n.a.
T 19	9 42	18 22	1 41	12 3	0 39	3 37	1 41	5 26	1 10	23 11	0 10	21 14	0 52	12 48	0 48	22 13	0 12	17 10	4 38	14 40	14 58	19 59		n.a.
F 20	10 3	16 17	0 39	12 59	0 49	3 9	1 41	5 8	1 10	23 13	0 10	21 13	0 53	12 49	0 48	22 13	0 12	17 10	4 38	14 40	14 59	20 0		n.a.
S 21	10 25	13 28	0n26	13 53	0 59	2 40	1 42	4 50	1 9	23 14	0 10	21 13	0 53	12 49	0 48	22 13	0 12	17 10	4 38	14 40	15 0	20 0		n.a.
S 22	10 45	9 58	1 31	14 45	1 8	2 11	1 42	4 32	1 9	23 15	0 10	21 13	0 53	12 49	0 48	22 13	0 12	17 10	4 38	14 40	15 1	20 0		n.a.
M23	11 6	5 56	2 33	15 35	1 17	1 42	1 42	4 14	1 9	23 16	0 10	21 12	0 53	12 50	0 48	22 13	0 12	17 10	4 38	14 42	15 2	20 0		n.a.
T 24	11 27	1 30	3 28	16 24	1 26	1 13	1 42	3 56	1 9	23 17	0 10	21 12	0 53	12 50	0 48	22 13	0 12	17 10	4 38	14 43	15 3	20 0		n.a.
W25	11 47	3s 7	4 14	17 10	1 34	0 44	1 42	3 38	1 9	23 18	0 10	21 12	0 53	12 50	0 48	22 13	0 12	17 9	4 38	14 46	15 4	20 0		n.a.
T 26	12 7	7 42	4 46	17 54	1 41	0 15	1 42	3 19	1 8	23 19	0 10	21 11	0 54	12 50	0 48	22 13	0 12	17 9	4 38	14 49	15 5	20 0		n.a.
F 27	12 28	11 57	5 1	18 36	1 48	0n14	1 42	3 1	1 8	23 20	0 10	21 11	0 54	12 51	0 48	22 13	0 12	17 9	4 38	14 53	15 6	20 0		n.a.
S 28	12 47	15 35	4 57	19 15	1 54	0 43	1 41	2 43	1 8	23 22	0 10	21 11	0 54	12 51	0 48	22 12	0 12	17 9	4 38	14 56	15 7	20 0		n.a.
S 29	13 7	18 16	4 35	19 52	1 59	1 12	1 41	2 25	1 8	23 23	0 11	21 11	0 54	12 51	0 48	22 12	0 12	17 9	4 38	14 59	15 8	20 0		n.a.
M30	13n27	19s48	3n55	20n26	2n 4	1n41	1s41	2s 7	1s 7	23n24	0n11	21s11	0s54	12n51	0n47	22n12	0n12	17s 8	4n38	15n 1	15n 9	20n 0		n.a.

Julian Day Number = 1642254.5, Delta T = 03h35m44s
Ecliptic obliquity = 23°43'11, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'42, Lahiri = - 6°56'41 Julian Calendar 1 Apr. 217 BCE == Greg. Calendar 28 March 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

MAY 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 21 7	6♉15'31	13♋32	23♉41	9♈15	28♓ 1	18♊44	0♒27	28°R33	21♋18	6°R48	19°R50	19♌25	14♋ 5	n.a.	T 1
W 2	14 25 3	7°12'52	27°47	25°26	10°27	28°46	18°55	0°28	28♌33	21°19	6♐47	19♌49	19°22	14°12	n.a.	W 2
T 3	14 29 0	8°10'12	11♒52	27° 9	11°39	29°30	19° 7	0°30	28°32	21°20	6°45	19°48	19°19	14°19	n.a.	T 3
F 4	14 32 56	9° 7'32	25°45	28°49	12°51	0♈14	19°18	0°31	28°32	21°21	6°44	19°48	19°15	14°25	n.a.	F 4
S 5	14 36 53	10° 4'50	9♓28	0♊27	14° 4	0°58	19°30	0°32	28°32	21°22	6°43	19°47	19°12	14°32	n.a.	S 5
S 6	14 40 49	11° 2'08	23° 0	2° 2	15°16	1°42	19°42	0°33	28°31	21°23	6°42	19°44	19° 9	14°39	n.a.	S 6
M 7	14 44 46	11°59'26	6♈21	3°33	16°28	2°26	19°54	0°34	28°31	21°24	6°40	19°38	19° 6	14°45	n.a.	M 7
T 8	14 48 42	12°56'43	19°31	5° 2	17°41	3°10	20° 5	0°34	28°31	21°25	6°39	19°29	19° 3	14°52	n.a.	T 8
W 9	14 52 39	13°53'59	2♉29	6°28	18°53	3°54	20°17	0°35	28°31	21°26	6°37	19°18	18°59	14°59	n.a.	W 9
T 10	14 56 35	14°51'14	15°15	7°52	20° 6	4°38	20°29	0°36	28°D31	21°27	6°36	19° 6	18°56	15° 5	n.a.	T 10
F 11	15 0 32	15°48'29	27°48	9°12	21°18	5°22	20°41	0°36	28°31	21°28	6°35	18°52	18°53	15°12	n.a.	F 11
S 12	15 4 29	16°45'43	10♊ 8	10°29	22°31	6° 5	20°53	0°36	28°31	21°29	6°33	18°40	18°50	15°19	n.a.	S 12
S 13	15 8 25	17°42'57	22°17	11°43	23°43	6°49	21° 6	0°37	28°31	21°30	6°32	18°29	18°47	15°25	n.a.	S 13
M14	15 12 22	18°40'10	4♋15	12°54	24°55	7°33	21°18	0°37	28°31	21°32	6°30	18°21	18°44	15°32	n.a.	M14
T 15	15 16 18	19°37'21	16° 6	14° 2	26° 8	8°16	21°30	0°R37	28°32	21°33	6°29	18°16	18°40	15°39	n.a.	T 15
W16	15 20 15	20°34'33	27°54	15° 7	27°21	9° 0	21°42	0°37	28°32	21°34	6°28	18°13	18°37	15°45	n.a.	W16
T 17	15 24 11	21°31'43	9♌44	16° 8	28°33	9°43	21°55	0°37	28°32	21°35	6°26	18°12	18°34	15°52	n.a.	T 17
F 18	15 28 8	22°28'53	21°40	17° 7	29°46	10°26	22° 7	0°36	28°33	21°37	6°25	18°12	18°31	15°59	n.a.	F 18
S 19	15 32 5	23°26'02	3♍49	18° 1	0♉58	11° 9	22°19	0°36	28°33	21°38	6°23	18°11	18°28	16° 5	n.a.	S 19
S 20	15 36 1	24°23'10	16°14	18°52	2°11	11°53	22°32	0°36	28°34	21°39	6°22	18°10	18°25	16°12	n.a.	S 20
M21	15 39 58	25°20'17	29° 2	19°39	3°23	12°36	22°44	0°35	28°34	21°41	6°20	18° 7	18°21	16°19	n.a.	M21
T 22	15 43 54	26°17'24	12♎16	20°23	4°36	13°19	22°57	0°34	28°35	21°42	6°19	18° 1	18°18	16°25	n.a.	T 22
W23	15 47 51	27°14'31	25°57	21° 3	5°49	14° 2	23° 9	0°34	28°36	21°44	6°17	17°52	18°15	16°32	n.a.	W23
T 24	15 51 47	28°11'37	10♏ 4	21°38	7° 1	14°45	23°22	0°33	28°36	21°45	6°16	17°42	18°12	16°39	n.a.	T 24
F 25	15 55 44	29° 8'42	24°34	22°10	8°14	15°27	23°35	0°32	28°37	21°47	6°14	17°31	18° 9	16°45	n.a.	F 25
S 26	15 59 40	0♊ 5'48	9♐19	22°37	9°27	16°10	23°48	0°31	28°38	21°48	6°13	17°21	18° 5	16°52	n.a.	S 26
S 27	16 3 37	1° 2'54	24°12	23° 1	10°40	16°53	24° 0	0°30	28°39	21°50	6°11	17°12	18° 2	16°59	n.a.	S 27
M28	16 7 34	1°59'59	9♋ 5	23°19	11°52	17°36	24°13	0°29	28°40	21°51	6°10	17° 5	17°59	17° 5	n.a.	M28
T 29	16 11 30	2°57'05	23°48	23°33	13° 5	18°18	24°26	0°27	28°41	21°53	6° 8	17° 1	17°56	17°12	n.a.	T 29
W30	16 15 27	3°54'10	8♒17	23°43	14°18	19° 1	24°39	0°26	28°42	21°54	6° 7	17° 0	17°53	17°19	n.a.	W30
T 31	16 19 23	4♊51'16	22♒29	23♊48	15♉31	19♈43	24♊52	0♒24	28♌43	21♋56	6♐ 5	17°D 0	17♌50	17♋25	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
T 1	13n46	20s 3	3n 0	20n58	2n 8	2n10	1s40	1s49	1s 7	23n25	0n11	21s11	0s54	12n51	0n47	22n12	0n12	17s 8	4n38	15n 2	15n10	20n 0			n.a.	T 1
W 2	14 5	18 59	1 54	21 28	2 11	2 40	1 40	1 31	1 7	23 26	0 11	21 10	0 55	12 51	0 47	22 12	0 12	17 8	4 38	15 3	15 11	20 0			n.a.	W 2
T 3	14 24	16 46	0 42	21 55	2 13	3 9	1 39	1 13	1 7	23 27	0 11	21 10	0 55	12 51	0 47	22 12	0 12	17 8	4 38	15 3	15 12	20 0			n.a.	T 3
F 4	14 42	13 35	0s31	22 19	2 15	3 38	1 38	0 55	1 6	23 28	0 11	21 10	0 55	12 52	0 47	22 12	0 12	17 8	4 38	15 3	15 13	20 0			n.a.	F 4
S 5	15 1	9 41	1 42	22 42	2 16	4 7	1 38	0 37	1 6	23 29	0 11	21 10	0 55	12 52	0 47	22 12	0 12	17 8	4 38	15 3	15 14	20 0			n.a.	S 5
S 6	15 19	5 21	2 46	23 2	2 16	4 36	1 37	0 19	1 6	23 30	0 11	21 10	0 55	12 52	0 47	22 11	0 12	17 7	4 37	15 4	15 15	20 0			n.a.	S 6
M 7	15 37	0 48	3 40	23 20	2 15	5 5	1 36	0 1	1 5	23 31	0 11	21 10	0 55	12 52	0 47	22 11	0 12	17 7	4 37	15 6	15 16	20 0			n.a.	M 7
T 8	15 54	3n42	4 21	23 35	2 14	5 33	1 35	0n17	1 5	23 32	0 11	21 10	0 56	12 52	0 47	22 11	0 12	17 7	4 37	15 9	15 17	20 0			n.a.	T 8
W 9	16 12	7 59	4 48	23 49	2 12	6 2	1 34	0 35	1 5	23 33	0 11	21 10	0 56	12 52	0 47	22 11	0 12	17 7	4 37	15 12	15 18	20 0			n.a.	W 9
T 10	16 29	11 50	5 0	24 0	2 9	6 31	1 33	0 53	1 4	23 34	0 12	21 10	0 56	12 52	0 47	22 11	0 12	17 7	4 37	15 16	15 19	20 0			n.a.	T 10
F 11	16 46	15 5	4 57	24 9	2 5	6 59	1 32	1 11	1 4	23 35	0 12	21 10	0 56	12 52	0 47	22 11	0 12	17 6	4 37	15 21	15 20	20 0			n.a.	F 11
S 12	17 2	17 37	4 40	24 17	2 1	7 28	1 31	1 28	1 4	23 36	0 12	21 10	0 56	12 52	0 47	22 10	0 12	17 6	4 37	15 24	15 21	20 0			n.a.	S 12
S 13	17 19	19 19	4 10	24 22	1 56	7 56	1 29	1 46	1 3	23 37	0 12	21 10	0 57	12 51	0 47	22 10	0 12	17 6	4 37	15 28	15 22	20 0			n.a.	S 13
M14	17 35	20 9	3 30	24 26	1 50	8 24	1 28	2 4	1 3	23 38	0 12	21 11	0 57	12 51	0 47	22 10	0 12	17 6	4 37	15 30	15 23	20 0			n.a.	M14
T 15	17 51	20 4	2 41	24 28	1 44	8 52	1 27	2 21	1 3	23 39	0 12	21 11	0 57	12 51	0 47	22 10	0 12	17 6	4 37	15 32	15 24	20 0			n.a.	T 15
W16	18 6	19 6	1 45	24 28	1 36	9 19	1 25	2 39	1 2	23 39	0 12	21 11	0 57	12 51	0 47	22 10	0 12	17 5	4 37	15 33	15 25	20 0			n.a.	W16
T 17	18 21	17 18	0 45	24 27	1 28	9 47	1 24	2 57	1 2	23 40	0 12	21 11	0 57	12 51	0 47	22 10	0 12	17 5	4 37	15 33	15 26	20 0			n.a.	T 17
F 18	18 36	14 44	0n18	24 25	1 20	10 14	1 22	3 14	1 2	23 41	0 12	21 11	0 57	12 51	0 47	22 9	0 12	17 5	4 37	15 33	15 27	20 0			n.a.	F 18
S 19	18 51	11 30	1 22	24 20	1 10	10 41	1 21	3 32	1 1	23 42	0 12	21 12	0 58	12 51	0 47	22 9	0 12	17 5	4 37	15 33	15 28	20 0			n.a.	S 19
S 20	19 5	7 41	2 23	24 15	1 0	11 8	1 19	3 49	1 1	23 43	0 12	21 12	0 58	12 50	0 47	22 9	0 12	17 5	4 37	15 34	15 29	20 0			n.a.	S 20
M21	19 19	3 25	3 18	24 8	0 50	11 35	1 17	4 6	1 0	23 44	0 12	21 12	0 58	12 50	0 47	22 9	0 12	17 5	4 37	15 35	15 30	20 0			n.a.	M21
T 22	19 33	1s 9	4 5	24 0	0 38	12 1	1 15	4 24	1 0	23 44	0 13	21 13	0 58	12 50	0 47	22 8	0 12	17 4	4 37	15 37	15 31	20 0			n.a.	T 22
W23	19 46	5 48	4 40	23 51	0 26	12 27	1 14	4 41	1 0	23 45	0 13	21 13	0 58	12 50	0 47	22 8	0 12	17 4	4 36	15 39	15 32	20 0			n.a.	W23
T 24	19 59	10 17	4 59	23 41	0 14	12 53	1 12	4 58	0 59	23 46	0 13	21 13	0 58	12 49	0 46	22 8	0 12	17 4	4 36	15 42	15 33	20 0			n.a.	T 24
F 25	20 12	14 18	4 59	23 30	0 1	13 19	1 10	5 15	0 59	23 47	0 13	21 14	0 59	12 49	0 46	22 8	0 12	17 4	4 36	15 46	15 34	19 59			n.a.	F 25
S 26	20 24	17 30	4 40	23 18	0s13	13 44	1 8	5 32	0 58	23 47	0 13	21 14	0 59	12 49	0 46	22 8	0 12	17 4	4 36	15 49	15 35	19 59			n.a.	S 26
S 27	20 37	19 34	4 1	23 5	0 27	14 9	1 6	5 49	0 58	23 48	0 13	21 14	0 59	12 48	0 46	22 7	0 12	17 4	4 36	15 52	15 36	19 59			n.a.	S 27
M28	20 48	20 18	3 7	22 51	0 42	14 34	1 4	6 6	0 57	23 49	0 13	21 15	0 59	12 48	0 46	22 7	0 12	17 3	4 36	15 54	15 37	19 59			n.a.	M28
T 29	21 0	19 38	2 0	22 37	0 57	14 58	1 2	6 23	0 57	23 49	0 13	21 15	0 59	12 48	0 46	22 7	0 12	17 3	4 36	15 55	15 38	19 59			n.a.	T 29
W30	21 11	17 40	0 46	22 22	1 12	15 22	1 0	6 40	0 56	23 50	0 13	21 16	1 0	12 47	0 46	22 7	0 12	17 3	4 36	15 55	15 39	19 59			n.a.	W30
T 31	21n21	14s38	0s29	22n 7	1s28	15n45	0s58	6n56	0s56	23n50	0n13	21s16	1s 0	12n47	0n46	22n 6	0n12	17s 3	4n36	15n56	15n40	19n59			n.a.	T 31

Julian Day Number = 1642284.5, Delta T = 03h35m43s
Ecliptic obliquity = 23°43'10, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'38, Lahiri = - 6°56'37 Julian Calendar 1 May 217 BCE == Greg. Calendar 27 Apr. 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

JUNE 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 23 20	5♊48'22	6♓23	23°R48	16♉44	20♈25	25♊ 4	0°R23	28♌44	21♋58	6°R 3	17°R 0	17♌46	17♋32	n.a.	F 1
S 2	16 27 16	6°45'29	19°59	23♊44	17°57	21° 8	25°17	0♒21	28°45	21°59	6♐ 2	16♌59	17°43	17°39	n.a.	S 2
S 3	16 31 13	7°42'36	3♈18	23°35	19°10	21°50	25°30	0°19	28°46	22° 1	6° 0	16°57	17°40	17°45	n.a.	S 3
M 4	16 35 9	8°39'43	16°23	23°22	20°23	22°32	25°43	0°17	28°47	22° 3	5°59	16°52	17°37	17°52	n.a.	M 4
T 5	16 39 6	9°36'50	29°15	23° 4	21°36	23°14	25°56	0°15	28°49	22° 4	5°57	16°44	17°34	17°59	n.a.	T 5
W 6	16 43 3	10°33'58	11♉54	22°43	22°49	23°56	26° 9	0°13	28°50	22° 6	5°56	16°34	17°31	18° 5	n.a.	W 6
T 7	16 46 59	11°31'06	24°23	22°17	24° 2	24°38	26°23	0°11	28°52	22° 8	5°54	16°23	17°27	18°12	n.a.	T 7
F 8	16 50 56	12°28'15	6♊41	21°48	25°15	25°20	26°36	0° 9	28°53	22°10	5°53	16°12	17°24	18°19	n.a.	F 8
S 9	16 54 52	13°25'24	18°49	21°16	26°28	26° 2	26°49	0° 7	28°55	22°12	5°51	16° 1	17°21	18°25	n.a.	S 9
S 10	16 58 49	14°22'33	0♋49	20°41	27°41	26°44	27° 2	0° 4	28°56	22°13	5°50	15°51	17°18	18°32	n.a.	S 10
M11	17 2 45	15°19'42	12°42	20° 5	28°54	27°25	27°15	0° 2	28°58	22°15	5°48	15°44	17°15	18°39	n.a.	M11
T 12	17 6 42	16°16'52	24°30	19°26	0♊ 8	28° 7	27°28	29♑59	28°59	22°17	5°47	15°40	17°11	18°45	n.a.	T 12
W13	17 10 39	17°14'02	6♌17	18°47	1°21	28°48	27°41	29°57	29° 1	22°19	5°45	15°37	17° 8	18°52	n.a.	W13
T 14	17 14 35	18°11'12	18° 6	18° 8	2°34	29°30	27°55	29°54	29° 3	22°21	5°44	15°D37	17° 5	18°59	n.a.	T 14
F 15	17 18 32	19° 8'22	0♍ 2	17°29	3°47	0♉11	28° 8	29°51	29° 5	22°23	5°42	15°37	17° 2	19° 5	n.a.	F 15
S 16	17 22 28	20° 5'33	12° 9	16°51	5° 1	0°52	28°21	29°48	29° 7	22°25	5°41	15°38	16°59	19°12	n.a.	S 16
S 17	17 26 25	21° 2'44	24°33	16°15	6°14	1°33	28°34	29°45	29° 9	22°27	5°39	15°R39	16°56	19°19	n.a.	S 17
M18	17 30 21	21°59'55	7♎19	15°42	7°27	2°14	28°48	29°42	29°11	22°29	5°38	15°37	16°52	19°25	n.a.	M18
T 19	17 34 18	22°57'06	20°31	15°12	8°41	2°55	29° 1	29°39	29°13	22°31	5°36	15°34	16°49	19°32	n.a.	T 19
W20	17 38 14	23°54'18	4♏11	14°45	9°54	3°36	29°14	29°36	29°15	22°33	5°35	15°29	16°46	19°39	n.a.	W20
T 21	17 42 11	24°51'30	18°20	14°23	11° 7	4°17	29°27	29°33	29°17	22°35	5°34	15°22	16°43	19°45	n.a.	T 21
F 22	17 46 8	25°48'43	2♐55	14° 5	12°21	4°58	29°41	29°29	29°19	22°37	5°32	15°15	16°40	19°52	n.a.	F 22
S 23	17 50 4	26°45'56	17°51	13°53	13°34	5°39	29°54	29°26	29°21	22°39	5°31	15° 8	16°36	19°59	n.a.	S 23
S 24	17 54 1	27°43'10	2♑58	13°45	14°48	6°19	0♋ 7	29°23	29°23	22°41	5°29	15° 2	16°33	20° 5	n.a.	S 24
M25	17 57 57	28°40'25	18° 8	13°D44	16° 1	7° 0	0°21	29°19	29°25	22°43	5°28	14°57	16°30	20°12	n.a.	M25
T 26	18 1 54	29°37'41	3♒10	13°48	17°15	7°40	0°34	29°15	29°28	22°45	5°27	14°55	16°27	20°19	n.a.	T 26
W27	18 5 50	0♋34'58	17°56	13°58	18°28	8°21	0°47	29°12	29°30	22°47	5°25	14°D54	16°24	20°25	n.a.	W27
T 28	18 9 47	1°32'16	2♓22	14°14	19°42	9° 1	1° 0	29° 8	29°32	22°49	5°24	14°55	16°21	20°32	n.a.	T 28
F 29	18 13 43	2°29'35	16°25	14°37	20°56	9°41	1°14	29° 4	29°35	22°51	5°23	14°57	16°17	20°39	n.a.	F 29
S 30	18 17 40	3♋26'55	0♈ 4	15♊ 5	22♊ 9	10♉21	1♋27	29♑ 0	29♌37	22♋53	5♐21	14°R57	16♌14	20♋45	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n32	10s50	1s41	21n51	1s43	16n 9	0s56	7n13	0s55	23n51	0n13	21s17	1s 0	12n46	0n46	22n 6	0n12	17s 3	4n36	15n55	15n41	19n59		n.a.
S 2	21 42	6 33	2 46	21 35	1 59	16 31	0 54	7 29	0 55	23 52	0 14	21 17	1 0	12 46	0 46	22 6	0 12	17 3	4 36	15 56	15 42	19 59		n.a.
S 3	21 51	2 2	3 40	21 19	2 15	16 54	0 51	7 46	0 55	23 52	0 14	21 18	1 0	12 45	0 46	22 6	0 12	17 2	4 35	15 56	15 43	19 59		n.a.
M 4	22 0	2n30	4 22	21 3	2 31	17 16	0 49	8 2	0 54	23 53	0 14	21 18	1 0	12 45	0 46	22 5	0 12	17 2	4 35	15 58	15 44	19 59		n.a.
T 5	22 9	6 50	4 49	20 46	2 46	17 37	0 47	8 18	0 54	23 53	0 14	21 19	1 1	12 44	0 46	22 5	0 12	17 2	4 35	16 0	15 45	19 58		n.a.
W 6	22 18	10 48	5 2	20 30	3 1	17 58	0 45	8 34	0 53	23 54	0 14	21 20	1 1	12 44	0 46	22 5	0 12	17 2	4 35	16 3	15 46	19 58		n.a.
T 7	22 26	14 14	5 0	20 15	3 15	18 19	0 42	8 50	0 52	23 54	0 14	21 20	1 1	12 43	0 46	22 4	0 12	17 2	4 35	16 7	15 47	19 58		n.a.
F 8	22 33	17 1	4 44	19 59	3 29	18 39	0 40	9 6	0 52	23 55	0 14	21 21	1 1	12 43	0 46	22 4	0 12	17 2	4 35	16 10	15 48	19 58		n.a.
S 9	22 41	19 0	4 15	19 44	3 42	18 59	0 37	9 22	0 51	23 55	0 14	21 22	1 1	12 42	0 46	22 4	0 12	17 2	4 35	16 13	15 49	19 58		n.a.
S 10	22 48	20 7	3 36	19 30	3 54	19 18	0 35	9 38	0 51	23 55	0 14	21 22	1 1	12 42	0 46	22 4	0 12	17 1	4 35	16 16	15 50	19 58		n.a.
M11	22 54	20 20	2 47	19 17	4 4	19 37	0 33	9 54	0 50	23 56	0 14	21 23	1 2	12 41	0 46	22 3	0 12	17 1	4 35	16 18	15 51	19 58		n.a.
T 12	23 0	19 39	1 51	19 5	4 14	19 55	0 30	10 9	0 50	23 56	0 14	21 24	1 2	12 40	0 46	22 3	0 12	17 1	4 34	16 20	15 52	19 57		n.a.
W13	23 6	18 7	0 50	18 54	4 22	20 13	0 28	10 25	0 49	23 56	0 15	21 24	1 2	12 40	0 46	22 3	0 12	17 1	4 34	16 20	15 53	19 57		n.a.
T 14	23 11	15 48	0n13	18 44	4 28	20 30	0 25	10 40	0 49	23 57	0 15	21 25	1 2	12 39	0 46	22 2	0 12	17 1	4 34	16 21	15 54	19 57		n.a.
F 15	23 16	12 47	1 17	18 35	4 33	20 47	0 23	10 55	0 48	23 57	0 15	21 26	1 2	12 38	0 46	22 2	0 12	17 1	4 34	16 20	15 55	19 57		n.a.
S 16	23 21	9 12	2 18	18 28	4 37	21 3	0 21	11 10	0 48	23 57	0 15	21 27	1 2	12 38	0 46	22 2	0 12	17 1	4 34	16 20	15 56	19 57		n.a.
S 17	23 25	5 9	3 14	18 23	4 38	21 18	0 18	11 25	0 47	23 58	0 15	21 27	1 3	12 37	0 46	22 1	0 12	17 1	4 34	16 20	15 57	19 57		n.a.
M18	23 28	0 46	4 2	18 20	4 38	21 33	0 16	11 40	0 46	23 58	0 15	21 28	1 3	12 36	0 45	22 1	0 12	17 0	4 34	16 20	15 58	19 57		n.a.
T 19	23 32	3s48	4 39	18 18	4 37	21 47	0 13	11 55	0 46	23 58	0 15	21 29	1 3	12 36	0 45	22 1	0 12	17 0	4 33	16 21	15 59	19 56		n.a.
W20	23 35	8 20	5 2	18 18	4 34	22 1	0 11	12 9	0 45	23 58	0 15	21 30	1 3	12 35	0 45	22 0	0 12	17 0	4 33	16 23	16 0	19 56		n.a.
T 21	23 37	12 34	5 7	18 20	4 29	22 14	0 8	12 24	0 45	23 58	0 15	21 31	1 3	12 34	0 45	22 0	0 12	17 0	4 33	16 25	16 1	19 56		n.a.
F 22	23 39	16 12	4 53	18 24	4 23	22 27	0 6	12 38	0 44	23 59	0 15	21 32	1 3	12 33	0 45	22 0	0 12	17 0	4 33	16 27	16 2	19 56		n.a.
S 23	23 41	18 51	4 19	18 30	4 16	22 38	0 3	12 53	0 43	23 59	0 15	21 32	1 3	12 32	0 45	21 59	0 12	17 0	4 33	16 29	16 3	19 56		n.a.
S 24	23 42	20 14	3 27	18 38	4 7	22 50	0 1	13 7	0 43	23 59	0 16	21 33	1 4	12 32	0 45	21 59	0 12	17 0	4 33	16 31	16 3	19 55		n.a.
M25	23 43	20 10	2 20	18 47	3 58	23 0	0n 2	13 21	0 42	23 59	0 16	21 34	1 4	12 31	0 45	21 59	0 12	17 0	4 32	16 32	16 4	19 55		n.a.
T 26	23 43	18 39	1 3	18 58	3 47	23 10	0 4	13 35	0 41	23 59	0 16	21 35	1 4	12 30	0 45	21 58	0 12	17 0	4 32	16 33	16 5	19 55		n.a.
W27	23 43	15 54	0s16	19 11	3 35	23 19	0 7	13 48	0 41	23 59	0 16	21 36	1 4	12 29	0 45	21 58	0 12	17 0	4 32	16 33	16 6	19 55		n.a.
T 28	23 43	12 12	1 33	19 25	3 23	23 28	0 9	14 2	0 40	23 59	0 16	21 37	1 4	12 28	0 45	21 58	0 12	17 0	4 32	16 33	16 7	19 55		n.a.
F 29	23 42	7 55	2 43	19 41	3 10	23 36	0 11	14 16	0 40	23 59	0 16	21 38	1 4	12 27	0 45	21 57	0 12	16 59	4 32	16 33	16 8	19 54		n.a.
S 30	23n40	3s20	3s41	19n57	2s56	23n43	0n14	14n29	0s39	23n59	0n16	21s39	1s 4	12n26	0n45	21n57	0n12	16s59	4n32	16n32	16n 9	19n54		n.a.

Julian Day Number = 1642315.5, Delta T = 03h35m42s
Ecliptic obliquity = 23°43'10, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'34, Lahiri = - 6°56'33 Julian Calendar 1 June 217 BCE == Greg. Calendar 28 May 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

JULY 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 21 37	4♋24'16	13♈21	15♊40	23♊23	11♉ 2	1♋40	28°R57	29♌40	22♋55	5°R20	14°R57	16♌11	20♋52	n.a.	S 1
M 2	18 25 33	5°21'39	26°19	16°21	24°37	11°41	1°54	28♏53	29°42	22°58	5♐19	14♌55	16° 8	20°59	n.a.	M 2
T 3	18 29 30	6°19'03	9♉ 0	17° 8	25°51	12°21	2° 7	28°49	29°45	23° 0	5°18	14°51	16° 5	21° 5	n.a.	T 3
W 4	18 33 26	7°16'29	21°27	18° 1	27° 4	13° 1	2°20	28°45	29°48	23° 2	5°16	14°46	16° 2	21°12	n.a.	W 4
T 5	18 37 23	8°13'56	3♊42	19° 0	28°18	13°41	2°33	28°41	29°50	23° 4	5°15	14°40	15°58	21°19	n.a.	T 5
F 6	18 41 19	9°11'24	15°48	20° 5	29°32	14°21	2°47	28°36	29°53	23° 6	5°14	14°34	15°55	21°25	n.a.	F 6
S 7	18 45 16	10° 8'53	27°46	21°15	0♋46	15° 0	3° 0	28°32	29°56	23° 8	5°13	14°28	15°52	21°32	n.a.	S 7
S 8	18 49 12	11° 6'24	9♋38	22°31	2° 0	15°40	3°13	28°28	29°58	23°11	5°12	14°23	15°49	21°39	n.a.	S 8
M 9	18 53 9	12° 3'55	21°27	23°52	3°14	16°19	3°26	28°24	0♍ 1	23°13	5°10	14°19	15°46	21°45	n.a.	M 9
T 10	18 57 6	13° 1'28	3♌14	25°18	4°28	16°58	3°40	28°20	0° 4	23°15	5° 9	14°17	15°42	21°52	n.a.	T 10
W11	19 1 2	13°59'02	15° 2	26°49	5°42	17°37	3°53	28°15	0° 7	23°17	5° 8	14°D16	15°39	21°59	n.a.	W11
T 12	19 4 59	14°56'38	26°54	28°25	6°56	18°16	4° 6	28°11	0°10	23°19	5° 7	14°17	15°36	22° 5	n.a.	T 12
F 13	19 8 55	15°54'14	8♍52	0♋ 4	8°10	18°55	4°19	28° 7	0°13	23°22	5° 6	14°18	15°33	22°12	n.a.	F 13
S 14	19 12 52	16°51'51	21° 2	1°48	9°24	19°34	4°32	28° 2	0°16	23°24	5° 5	14°20	15°30	22°19	n.a.	S 14
S 15	19 16 48	17°49'30	3♎26	3°34	10°38	20°13	4°45	27°58	0°19	23°26	5° 4	14°21	15°27	22°25	n.a.	S 15
M16	19 20 45	18°47'10	16°10	5°24	11°52	20°52	4°59	27°53	0°22	23°28	5° 3	14°R22	15°23	22°32	n.a.	M16
T 17	19 24 41	19°44'51	29°17	7°16	13° 6	21°30	5°12	27°49	0°25	23°30	5° 2	14°22	15°20	22°38	n.a.	T 17
W18	19 28 38	20°42'33	12♏51	9°11	14°20	22° 9	5°25	27°44	0°28	23°33	5° 1	14°20	15°17	22°45	n.a.	W18
T 19	19 32 35	21°40'16	26°52	11° 8	15°34	22°47	5°38	27°40	0°31	23°35	5° 0	14°18	15°14	22°52	n.a.	T 19
F 20	19 36 31	22°38'01	11♐20	13° 6	16°49	23°26	5°51	27°35	0°34	23°37	4°59	14°16	15°11	22°58	n.a.	F 20
S 21	19 40 28	23°35'47	26°10	15° 5	18° 3	24° 4	6° 4	27°31	0°38	23°39	4°58	14°13	15° 8	23° 5	n.a.	S 21
S 22	19 44 24	24°33'34	11♑17	17° 4	19°17	24°42	6°17	27°26	0°41	23°42	4°57	14°10	15° 4	23°12	n.a.	S 22
M23	19 48 21	25°31'23	26°31	19° 4	20°31	25°20	6°29	27°22	0°44	23°44	4°57	14° 9	15° 1	23°18	n.a.	M23
T 24	19 52 17	26°29'13	11♒42	21° 5	21°46	25°58	6°42	27°17	0°47	23°46	4°56	14°D 8	14°58	23°25	n.a.	T 24
W25	19 56 14	27°27'05	26°40	23° 5	23° 0	26°36	6°55	27°12	0°51	23°48	4°55	14° 9	14°55	23°32	n.a.	W25
T 26	20 0 10	28°24'59	11♓20	25° 5	24°14	27°13	7° 8	27° 8	0°54	23°50	4°54	14° 9	14°52	23°38	n.a.	T 26
F 27	20 4 7	29°22'55	25°35	27° 4	25°29	27°51	7°21	27° 3	0°57	23°53	4°53	14°11	14°48	23°45	n.a.	F 27
S 28	20 8 4	0♌20'52	9♈23	29° 3	26°43	28°28	7°34	26°59	1° 1	23°55	4°53	14°12	14°45	23°52	n.a.	S 28
S 29	20 12 0	1°18'52	22°46	1♌ 0	27°57	29° 6	7°46	26°54	1° 4	23°57	4°52	14°12	14°42	23°58	n.a.	S 29
M30	20 15 57	2°16'53	5♉45	2°57	29°12	29°43	7°59	26°50	1° 7	23°59	4°51	14°R12	14°39	24° 5	n.a.	M30
T 31	20 19 53	3♌14'57	18♉23	4♌53	0♌26	0♊20	8♋12	26♏45	1♍11	24♋ 2	4♐51	14♌12	14♌36	24♋12	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23n39	1n16	4s25	20n15	2s42	23n49	0n16	14n42	0s38	23n59	0n16	21s40	1s 5	12n25	0n45	21n57	0n12	16s59	4n31	16n32	16n10	19n54			n.a.
M 2	23 37	5 42	4 55	20 34	2 28	23 55	0 19	14 55	0 38	23 59	0 16	21 41	1 5	12 24	0 45	21 56	0 12	16 59	4 31	16 33	16 11	19 54			n.a.
T 3	23 34	9 47	5 9	20 53	2 13	24 0	0 21	15 8	0 37	23 59	0 16	21 42	1 5	12 24	0 45	21 56	0 12	16 59	4 31	16 34	16 12	19 54			n.a.
W 4	23 31	13 22	5 9	21 13	1 58	24 4	0 23	15 21	0 36	23 59	0 17	21 43	1 5	12 23	0 45	21 56	0 12	16 59	4 31	16 36	16 13	19 53			n.a.
T 5	23 28	16 20	4 54	21 33	1 43	24 8	0 25	15 34	0 36	23 58	0 17	21 44	1 5	12 22	0 45	21 55	0 12	16 59	4 31	16 37	16 14	19 53			n.a.
F 6	23 24	18 32	4 26	21 53	1 28	24 11	0 28	15 47	0 35	23 58	0 17	21 45	1 5	12 21	0 45	21 55	0 12	16 59	4 31	16 39	16 15	19 53			n.a.
S 7	23 20	19 55	3 47	22 13	1 13	24 13	0 30	15 59	0 34	23 58	0 17	21 46	1 5	12 20	0 45	21 55	0 12	16 59	4 30	16 41	16 16	19 53			n.a.
S 8	23 15	20 24	2 58	22 32	0 58	24 14	0 32	16 11	0 33	23 58	0 17	21 47	1 6	12 19	0 45	21 54	0 12	16 59	4 30	16 43	16 17	19 52			n.a.
M 9	23 10	19 59	2 2	22 51	0 44	24 15	0 34	16 23	0 33	23 58	0 17	21 48	1 6	12 18	0 45	21 54	0 12	16 59	4 30	16 44	16 18	19 52			n.a.
T 10	23 4	18 41	1 0	23 8	0 30	24 15	0 37	16 35	0 32	23 57	0 17	21 49	1 6	12 17	0 45	21 53	0 12	16 59	4 30	16 44	16 19	19 52			n.a.
W11	22 59	16 35	0n 4	23 25	0 16	24 14	0 39	16 47	0 31	23 57	0 17	21 50	1 6	12 15	0 45	21 53	0 12	16 59	4 30	16 44	16 20	19 52			n.a.
T 12	22 52	13 46	1 9	23 40	0 3	24 13	0 41	16 59	0 30	23 57	0 17	21 51	1 6	12 14	0 45	21 53	0 12	16 59	4 29	16 44	16 21	19 51			n.a.
F 13	22 46	10 22	2 11	23 53	0n10	24 11	0 43	17 11	0 30	23 56	0 18	21 52	1 6	12 13	0 45	21 52	0 12	16 59	4 29	16 44	16 22	19 51			n.a.
S 14	22 38	6 29	3 9	24 4	0 22	24 8	0 45	17 22	0 29	23 56	0 18	21 53	1 6	12 12	0 45	21 52	0 12	16 59	4 29	16 43	16 23	19 51			n.a.
S 15	22 31	2 15	3 58	24 13	0 33	24 4	0 47	17 33	0 28	23 56	0 18	21 54	1 6	12 11	0 45	21 52	0 12	16 59	4 29	16 43	16 24	19 50			n.a.
M16	22 23	2s10	4 38	24 20	0 44	24 0	0 49	17 44	0 27	23 55	0 18	21 55	1 6	12 10	0 45	21 51	0 12	16 59	4 29	16 43	16 25	19 50			n.a.
T 17	22 15	6 36	5 4	24 24	0 53	23 54	0 51	17 55	0 27	23 55	0 18	21 56	1 7	12 9	0 45	21 51	0 12	16 59	4 28	16 43	16 26	19 50			n.a.
W18	22 6	10 52	5 15	24 26	1 2	23 49	0 53	18 6	0 26	23 55	0 18	21 57	1 7	12 8	0 45	21 51	0 12	16 59	4 28	16 43	16 26	19 50			n.a.
T 19	21 57	14 42	5 8	24 25	1 11	23 42	0 54	18 17	0 25	23 54	0 18	21 58	1 7	12 7	0 45	21 50	0 12	16 59	4 28	16 44	16 27	19 49			n.a.
F 20	21 48	17 46	4 41	24 21	1 18	23 35	0 56	18 27	0 24	23 54	0 18	21 59	1 7	12 5	0 44	21 50	0 12	16 59	4 28	16 45	16 28	19 49			n.a.
S 21	21 38	19 45	3 55	24 15	1 24	23 27	0 58	18 38	0 24	23 53	0 18	22 0	1 7	12 4	0 44	21 49	0 12	16 59	4 28	16 45	16 29	19 49			n.a.
S 22	21 28	20 23	2 52	24 6	1 30	23 18	1 0	18 48	0 23	23 53	0 19	22 1	1 7	12 3	0 44	21 49	0 12	16 59	4 27	16 46	16 30	19 48			n.a.
M23	21 17	19 32	1 36	23 54	1 35	23 9	1 1	18 58	0 22	23 52	0 19	22 2	1 7	12 2	0 44	21 49	0 12	16 59	4 27	16 47	16 31	19 48			n.a.
T 24	21 6	17 16	0 14	23 40	1 39	22 58	1 3	19 8	0 21	23 52	0 19	22 3	1 7	12 1	0 44	21 48	0 12	17 0	4 27	16 47	16 32	19 48			n.a.
W25	20 55	13 51	1s 9	23 24	1 42	22 48	1 4	19 18	0 20	23 51	0 19	22 4	1 7	12 0	0 44	21 48	0 12	17 0	4 27	16 47	16 33	19 47			n.a.
T 26	20 43	9 38	2 25	23 5	1 44	22 36	1 6	19 27	0 20	23 50	0 19	22 5	1 7	11 58	0 44	21 48	0 12	17 0	4 26	16 46	16 34	19 47			n.a.
F 27	20 31	4 59	3 30	22 43	1 46	22 24	1 7	19 37	0 19	23 50	0 19	22 6	1 7	11 57	0 44	21 47	0 12	17 0	4 26	16 46	16 35	19 47			n.a.
S 28	20 19	0 13	4 21	22 20	1 47	22 11	1 9	19 46	0 18	23 49	0 19	22 7	1 8	11 56	0 44	21 47	0 12	17 0	4 26	16 46	16 36	19 46			n.a.
S 29	20 6	4n23	4 55	21 55	1 47	21 57	1 10	19 55	0 17	23 49	0 19	22 8	1 8	11 55	0 44	21 46	0 12	17 0	4 26	16 46	16 37	19 46			n.a.
M30	19 53	8 40	5 14	21 28	1 47	21 43	1 11	20 4	0 16	23 48	0 19	22 9	1 8	11 53	0 44	21 46	0 12	17 0	4 26	16 46	16 38	19 46			n.a.
T 31	19n39	12n26	5s16	20n59	1n46	21n28	1n13	20n13	0s15	23n47	0n20	22s10	1s 8	11n52	0n44	21n46	0n12	17s 0	4n25	16n46	16n39	19n45			n.a.

Julian Day Number = 1642345.5, Delta T = 03h35m41s
Ecliptic obliquity = 23°43'10, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'29, Lahiri = - 6°56'29 Julian Calendar 1 July 217 BCE == Greg. Calendar 27 June 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

AUGUST 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 23 50	4♌13'03	0♊44	6♌48	1♌41	0♊57	8♋24	26°R41	1♍14	24♋ 4	4°R50	14°R11	14♌33	24♋18	n.a.	W 1
T 2	20 27 46	5°11'11	12°51	8°42	2°55	1°34	8°37	26♏36	1°18	24° 6	4♐50	14♌10	14°29	24°25	n.a.	T 2
F 3	20 31 43	6° 9'21	24°49	10°35	4°10	2°11	8°49	26°32	1°21	24° 8	4°49	14° 9	14°26	24°32	n.a.	F 3
S 4	20 35 39	7° 7'32	6♋41	12°26	5°24	2°48	9° 2	26°27	1°25	24°10	4°49	14° 8	14°23	24°38	n.a.	S 4
S 5	20 39 36	8° 5'46	18°29	14°17	6°39	3°25	9°14	26°23	1°28	24°13	4°48	14° 7	14°20	24°45	n.a.	S 5
M 6	20 43 33	9° 4'02	0♌17	16° 6	7°54	4° 1	9°26	26°19	1°32	24°15	4°48	14° 7	14°17	24°52	n.a.	M 6
T 7	20 47 29	10° 2'20	12° 6	17°54	9° 8	4°37	9°39	26°14	1°35	24°17	4°47	14°D 6	14°14	24°58	n.a.	T 7
W 8	20 51 26	11° 0'39	23°59	19°41	10°23	5°14	9°51	26°10	1°39	24°19	4°47	14° 6	14°10	25° 5	n.a.	W 8
T 9	20 55 22	11°59'01	5♍59	21°26	11°38	5°50	10° 3	26° 5	1°43	24°21	4°46	14° 7	14° 7	25°12	n.a.	T 9
F 10	20 59 19	12°57'24	18° 6	23°11	12°52	6°26	10°15	26° 1	1°46	24°23	4°46	14° 7	14° 4	25°18	n.a.	F 10
S 11	21 3 15	13°55'49	0♎24	24°54	14° 7	7° 2	10°28	25°57	1°50	24°25	4°46	14°R 7	14° 1	25°25	n.a.	S 11
S 12	21 7 12	14°54'15	12°56	26°36	15°22	7°38	10°40	25°53	1°54	24°28	4°46	14° 7	13°58	25°32	n.a.	S 12
M13	21 11 8	15°52'44	25°43	28°17	16°37	8°13	10°52	25°49	1°57	24°30	4°45	14° 7	13°54	25°38	n.a.	M13
T 14	21 15 5	16°51'14	8♏50	29°57	17°51	8°49	11° 4	25°45	2° 1	24°32	4°45	14° 7	13°51	25°45	n.a.	T 14
W15	21 19 1	17°49'46	22°17	1♍36	19° 6	9°24	11°15	25°40	2° 5	24°34	4°45	14°D 7	13°48	25°51	n.a.	W15
T 16	21 22 58	18°48'20	6♐ 8	3°14	20°21	9°59	11°27	25°36	2° 8	24°36	4°45	14° 7	13°45	25°58	n.a.	T 16
F 17	21 26 55	19°46'55	20°21	4°51	21°36	10°34	11°39	25°33	2°12	24°38	4°45	14° 7	13°42	26° 5	n.a.	F 17
S 18	21 30 51	20°45'32	4♑55	6°26	22°50	11° 9	11°51	25°29	2°16	24°40	4°44	14° 8	13°39	26°11	n.a.	S 18
S 19	21 34 48	21°44'11	19°46	8° 1	24° 5	11°44	12° 2	25°25	2°20	24°42	4°44	14° 8	13°35	26°18	n.a.	S 19
M20	21 38 44	22°42'52	4♒48	9°35	25°20	12°19	12°14	25°21	2°23	24°44	4°44	14° 9	13°32	26°25	n.a.	M20
T 21	21 42 41	23°41'35	19°52	11° 7	26°35	12°53	12°25	25°17	2°27	24°46	4°D44	14°R 9	13°29	26°31	n.a.	T 21
W22	21 46 37	24°40'20	4♓50	12°39	27°50	13°28	12°37	25°14	2°31	24°48	4°44	14° 8	13°26	26°38	n.a.	W22
T 23	21 50 34	25°39'07	19°34	14°10	29° 5	14° 2	12°48	25°10	2°35	24°50	4°44	14° 7	13°23	26°45	n.a.	T 23
F 24	21 54 30	26°37'56	3♈56	15°39	0♍19	14°36	12°59	25° 6	2°38	24°52	4°45	14° 6	13°20	26°51	n.a.	F 24
S 25	21 58 27	27°36'48	17°53	17° 8	1°34	15°10	13°10	25° 3	2°42	24°54	4°45	14° 4	13°16	26°58	n.a.	S 25
S 26	22 2 24	28°35'41	1♉24	18°35	2°49	15°44	13°22	25° 0	2°46	24°56	4°45	14° 3	13°13	27° 5	n.a.	S 26
M27	22 6 20	29°34'38	14°28	20° 2	4° 4	16°18	13°33	24°56	2°50	24°58	4°45	14° 1	13°10	27°11	n.a.	M27
T 28	22 10 17	0♍33'36	27° 9	21°27	5°19	16°51	13°44	24°53	2°53	25° 0	4°45	14°D 1	13° 7	27°18	n.a.	T 28
W29	22 14 13	1°32'37	9♊29	22°52	6°34	17°25	13°54	24°50	2°57	25° 2	4°45	14° 1	13° 4	27°25	n.a.	W29
T 30	22 18 10	2°31'41	21°35	24°15	7°49	17°58	14° 5	24°47	3° 1	25° 4	4°46	14° 2	13° 0	27°31	n.a.	T 30
F 31	22 22 6	3♍30'47	3♋30	25♍38	9♍ 4	18♊31	14♋16	24♏44	3♍ 5	25♋ 5	4♐46	14♌ 3	12♌57	27♋38	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	19n26	15n35	5s 4	20n28	1n45	21n13	1n14	20n21	0s14	23n47	0n20	22s10	1s 8	11n51	0n44	21n45	0n12	17s 0	4n25	16n46	16n40	19n45			n.a.
T 2	19 12	18 0	4 38	19 57	1 43	20 57	1 15	20 30	0 14	23 46	0 20	22 11	1 8	11 50	0 44	21 45	0 13	17 0	4 25	16 46	16 41	19 45			n.a.
F 3	18 57	19 36	4 1	19 24	1 40	20 40	1 16	20 38	0 13	23 45	0 20	22 12	1 8	11 48	0 44	21 45	0 13	17 1	4 25	16 47	16 41	19 44			n.a.
S 4	18 42	20 20	3 13	18 49	1 37	20 23	1 17	20 46	0 12	23 45	0 20	22 13	1 8	11 47	0 44	21 44	0 13	17 1	4 24	16 47	16 42	19 44			n.a.
S 5	18 27	20 9	2 18	18 14	1 34	20 5	1 18	20 54	0 11	23 44	0 20	22 14	1 8	11 46	0 44	21 44	0 13	17 1	4 24	16 47	16 43	19 44			n.a.
M 6	18 12	19 5	1 16	17 38	1 30	19 47	1 19	21 2	0 10	23 43	0 20	22 15	1 8	11 44	0 44	21 43	0 13	17 1	4 24	16 47	16 44	19 43			n.a.
T 7	17 56	17 11	0 11	17 0	1 26	19 28	1 20	21 10	0 9	23 42	0 20	22 16	1 8	11 43	0 44	21 43	0 13	17 1	4 24	16 47	16 45	19 43			n.a.
W 8	17 40	14 32	0n55	16 22	1 21	19 8	1 20	21 17	0 8	23 41	0 21	22 17	1 8	11 42	0 44	21 43	0 13	17 1	4 24	16 47	16 46	19 42			n.a.
T 9	17 24	11 16	1 59	15 44	1 16	18 48	1 21	21 25	0 7	23 41	0 21	22 18	1 8	11 41	0 44	21 42	0 13	17 1	4 23	16 47	16 47	19 42			n.a.
F 10	17 7	7 29	2 58	15 4	1 11	18 27	1 22	21 32	0 6	23 40	0 21	22 19	1 8	11 39	0 44	21 42	0 13	17 2	4 23	16 47	16 48	19 42			n.a.
S 11	16 50	3 21	3 50	14 24	1 6	18 6	1 22	21 39	0 5	23 39	0 21	22 19	1 8	11 38	0 44	21 42	0 13	17 2	4 23	16 47	16 49	19 41			n.a.
S 12	16 33	1s 0	4 32	13 44	1 0	17 44	1 23	21 46	0 4	23 38	0 21	22 20	1 8	11 37	0 44	21 41	0 13	17 2	4 23	16 47	16 50	19 41			n.a.
M13	16 16	5 22	5 2	13 3	0 54	17 22	1 23	21 53	0 3	23 37	0 21	22 21	1 9	11 35	0 44	21 41	0 13	17 2	4 22	16 47	16 51	19 40			n.a.
T 14	15 58	9 37	5 17	12 22	0 48	16 59	1 24	21 59	0 2	23 36	0 21	22 22	1 9	11 34	0 44	21 40	0 13	17 2	4 22	16 47	16 52	19 40			n.a.
W15	15 40	13 29	5 15	11 41	0 42	16 36	1 24	22 6	0 1	23 36	0 21	22 23	1 9	11 33	0 44	21 40	0 13	17 3	4 22	16 47	16 53	19 40			n.a.
T 16	15 22	16 45	4 55	10 59	0 35	16 12	1 24	22 12	0 1	23 35	0 22	22 24	1 9	11 31	0 44	21 40	0 13	17 3	4 22	16 47	16 54	19 39			n.a.
F 17	15 3	19 6	4 17	10 17	0 28	15 48	1 24	22 18	0n 0	23 34	0 22	22 24	1 9	11 30	0 44	21 39	0 13	17 3	4 21	16 47	16 55	19 39			n.a.
S 18	14 45	20 17	3 21	9 35	0 22	15 23	1 25	22 24	0 1	23 33	0 22	22 25	1 9	11 28	0 44	21 39	0 13	17 3	4 21	16 47	16 55	19 38			n.a.
S 19	14 25	20 5	2 11	8 53	0 15	14 59	1 25	22 30	0 2	23 32	0 22	22 26	1 9	11 27	0 44	21 39	0 13	17 3	4 21	16 47	16 56	19 38			n.a.
M20	14 6	18 27	0 52	8 11	0 7	14 33	1 25	22 36	0 4	23 31	0 22	22 27	1 9	11 26	0 44	21 38	0 13	17 4	4 21	16 47	16 57	19 38			n.a.
T 21	13 47	15 32	0s32	7 29	0 0	14 7	1 24	22 41	0 5	23 30	0 22	22 27	1 9	11 24	0 44	21 38	0 13	17 4	4 21	16 47	16 58	19 37			n.a.
W22	13 27	11 35	1 52	6 47	0s 7	13 41	1 24	22 46	0 6	23 29	0 22	22 28	1 9	11 23	0 44	21 38	0 13	17 4	4 20	16 47	16 59	19 37			n.a.
T 23	13 7	7 0	3 4	6 5	0 15	13 15	1 24	22 52	0 7	23 28	0 23	22 29	1 9	11 22	0 44	21 37	0 13	17 4	4 20	16 47	17 0	19 36			n.a.
F 24	12 47	2 7	4 2	5 23	0 22	12 48	1 24	22 57	0 8	23 27	0 23	22 29	1 9	11 20	0 44	21 37	0 13	17 5	4 20	16 47	17 1	19 36			n.a.
S 25	12 27	2n43	4 44	4 41	0 30	12 20	1 24	23 2	0 9	23 26	0 23	22 30	1 9	11 19	0 44	21 37	0 13	17 5	4 20	16 48	17 2	19 35			n.a.
S 26	12 6	7 16	5 9	4 0	0 37	11 53	1 23	23 6	0 10	23 25	0 23	22 31	1 9	11 17	0 44	21 36	0 13	17 5	4 19	16 48	17 3	19 35			n.a.
M27	11 45	11 19	5 17	3 18	0 45	11 25	1 23	23 11	0 11	23 24	0 23	22 31	1 9	11 16	0 44	21 36	0 13	17 5	4 19	16 49	17 4	19 34			n.a.
T 28	11 24	14 45	5 9	2 37	0 52	10 56	1 22	23 16	0 12	23 23	0 23	22 32	1 9	11 15	0 44	21 36	0 13	17 6	4 19	16 49	17 5	19 34			n.a.
W29	11 3	17 25	4 46	1 57	1 0	10 28	1 22	23 20	0 13	23 22	0 23	22 32	1 9	11 13	0 44	21 35	0 13	17 6	4 19	16 49	17 6	19 33			n.a.
T 30	10 42	19 16	4 11	1 16	1 8	9 59	1 21	23 24	0 14	23 21	0 24	22 33	1 9	11 12	0 44	21 35	0 13	17 6	4 18	16 49	17 6	19 33			n.a.
F 31	10n20	20n14	3s26	0n37	1s15	9n30	1n20	23n28	0n15	23n20	0n24	22s34	1s 9	11n11	0n44	21n35	0n13	17s 7	4n18	16n48	17n 7	19n33			n.a.

Julian Day Number = 1642376.5, Delta T = 03h35m40s
Ecliptic obliquity = 23°43'11, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'25, Lahiri = - 6°56'25 Julian Calendar 1 Aug. 217 BCE == Greg. Calendar 28 July 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

SEPTEMBER 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 26 3	4♍29'55	15♋19	26♍59	10♍19	19♊ 4	14♋27	24°R41	3♍ 9	25♋ 7	4♐46	14♌ 5	12♌54	27♋45	n.a.	S 1
S 2	22 29 59	5°29'06	27° 6	28°19	11°34	19°37	14°37	24♏38	3°12	25° 9	4°47	14° 6	12°51	27°51	n.a.	S 2
M 3	22 33 56	6°28'18	8♌55	29°37	12°49	20° 9	14°47	24°35	3°16	25°11	4°47	14°R 7	12°48	27°58	n.a.	M 3
T 4	22 37 53	7°27'34	20°49	0♎55	14° 4	20°42	14°58	24°32	3°20	25°13	4°48	14° 7	12°45	28° 4	n.a.	T 4
W 5	22 41 49	8°26'51	2♍51	2°11	15°19	21°14	15° 8	24°30	3°24	25°14	4°48	14° 6	12°41	28°11	n.a.	W 5
T 6	22 45 46	9°26'10	15° 3	3°25	16°34	21°46	15°18	24°27	3°28	25°16	4°49	14° 3	12°38	28°18	n.a.	T 6
F 7	22 49 42	10°25'32	27°25	4°38	17°49	22°18	15°28	24°25	3°31	25°18	4°49	14° 0	12°35	28°24	n.a.	F 7
S 8	22 53 39	11°24'56	9♎59	5°49	19° 4	22°49	15°38	24°22	3°35	25°19	4°50	13°55	12°32	28°31	n.a.	S 8
S 9	22 57 35	12°24'21	22°47	6°59	20°19	23°21	15°48	24°20	3°39	25°21	4°50	13°50	12°29	28°38	n.a.	S 9
M10	23 1 32	13°23'49	5♏47	8° 7	21°34	23°52	15°58	24°18	3°43	25°23	4°51	13°46	12°25	28°44	n.a.	M10
T 11	23 5 28	14°23'18	19° 2	9°12	22°49	24°23	16° 8	24°16	3°46	25°24	4°51	13°43	12°22	28°51	n.a.	T 11
W12	23 9 25	15°22'50	2♐32	10°15	24° 4	24°54	16°17	24°13	3°50	25°26	4°52	13°40	12°19	28°58	n.a.	W12
T 13	23 13 21	16°22'23	16°17	11°16	25°19	25°24	16°26	24°12	3°54	25°27	4°53	13°D40	12°16	29° 4	n.a.	T 13
F 14	23 17 18	17°21'58	0♑17	12°14	26°34	25°55	16°36	24°10	3°58	25°29	4°54	13°40	12°13	29°11	n.a.	F 14
S 15	23 21 15	18°21'35	14°32	13° 9	27°49	26°25	16°45	24° 8	4° 1	25°31	4°54	13°42	12°10	29°18	n.a.	S 15
S 16	23 25 11	19°21'14	29° 1	14° 1	29° 5	26°55	16°54	24° 6	4° 5	25°32	4°55	13°43	12° 6	29°24	n.a.	S 16
M17	23 29 8	20°20'55	13♒39	14°49	0♎20	27°25	17° 3	24° 5	4° 9	25°33	4°56	13°R44	12° 3	29°31	n.a.	M17
T 18	23 33 4	21°20'37	28°22	15°33	1°35	27°54	17°12	24° 3	4°12	25°35	4°57	13°43	12° 0	29°38	n.a.	T 18
W19	23 37 1	22°20'22	13♓ 4	16°13	2°50	28°24	17°21	24° 2	4°16	25°36	4°58	13°40	11°57	29°44	n.a.	W19
T 20	23 40 57	23°20'08	27°37	16°48	4° 5	28°53	17°29	24° 1	4°20	25°38	4°59	13°36	11°54	29°51	n.a.	T 20
F 21	23 44 54	24°19'57	11♈55	17°18	5°20	29°22	17°38	24° 0	4°23	25°39	5° 0	13°29	11°51	29°58	n.a.	F 21
S 22	23 48 50	25°19'47	25°52	17°42	6°35	29°51	17°46	23°59	4°27	25°40	5° 1	13°23	11°47	0♌ 4	n.a.	S 22
S 23	23 52 47	26°19'40	9♉25	18° 0	7°50	0♋19	17°55	23°58	4°30	25°42	5° 2	13°16	11°44	0°11	n.a.	S 23
M24	23 56 44	27°19'35	22°33	18°10	9° 5	0°47	18° 3	23°57	4°34	25°43	5° 3	13°10	11°41	0°17	n.a.	M24
T 25	0 0 40	28°19'33	5♊17	18°R14	10°20	1°15	18°11	23°56	4°38	25°44	5° 4	13° 5	11°38	0°24	n.a.	T 25
W26	0 4 37	29°19'33	17°40	18° 9	11°35	1°43	18°19	23°55	4°41	25°45	5° 5	13° 2	11°35	0°31	n.a.	W26
T 27	0 8 33	0♎19'35	29°47	17°55	12°50	2°10	18°26	23°55	4°45	25°47	5° 6	13°D 1	11°31	0°37	n.a.	T 27
F 28	0 12 30	1°19'39	11♋42	17°33	14° 5	2°37	18°34	23°54	4°48	25°48	5° 7	13° 2	11°28	0°44	n.a.	F 28
S 29	0 16 26	2°19'46	23°31	17° 1	15°20	3° 4	18°41	23°54	4°52	25°49	5° 8	13° 3	11°25	0°51	n.a.	S 29
S 30	0 20 23	3♎19'54	5♌18	16♎20	16♎35	3♋31	18♋49	23♏54	4♍55	25♋50	5♐10	13♌ 4	11♌22	0♌57	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n58	20n18	2s33	0s 3	1s23	9n 1	1n19	23n32	0n16	23n19	0n24	22s34	1s 9	11n 9	0n44	21n34	0n13	17s 7	4n18	16n48	17n 8	19n32		n.a.
S 2	9 36	19 28	1 33	0 42	1 30	8 31	1 19	23 36	0 18	23 18	0 24	22 35	1 9	11 8	0 44	21 34	0 13	17 7	4 18	16 47	17 9	19 32		n.a.
M 3	9 14	17 47	0 29	1 20	1 38	8 1	1 18	23 40	0 19	23 17	0 24	22 35	1 9	11 6	0 44	21 34	0 13	17 7	4 17	16 47	17 10	19 31		n.a.
T 4	8 52	15 18	0n37	1 58	1 45	7 31	1 17	23 43	0 20	23 16	0 24	22 36	1 9	11 5	0 44	21 33	0 13	17 8	4 17	16 47	17 11	19 31		n.a.
W 5	8 30	12 9	1 41	2 35	1 52	7 1	1 16	23 47	0 21	23 15	0 25	22 36	1 9	11 4	0 44	21 33	0 13	17 8	4 17	16 47	17 12	19 30		n.a.
T 6	8 7	8 27	2 42	3 12	1 59	6 30	1 15	23 50	0 22	23 14	0 25	22 37	1 9	11 2	0 44	21 33	0 13	17 8	4 17	16 48	17 13	19 30		n.a.
F 7	7 45	4 20	3 36	3 48	2 6	6 0	1 14	23 53	0 23	23 13	0 25	22 37	1 9	11 1	0 44	21 32	0 13	17 9	4 16	16 49	17 14	19 29		n.a.
S 8	7 22	0s 1	4 20	4 22	2 13	5 29	1 12	23 56	0 25	23 12	0 25	22 37	1 9	10 59	0 44	21 32	0 13	17 9	4 16	16 51	17 15	19 29		n.a.
S 9	6 59	4 26	4 52	4 56	2 20	4 58	1 11	23 59	0 26	23 11	0 25	22 38	1 9	10 58	0 44	21 32	0 13	17 9	4 16	16 52	17 16	19 28		n.a.
M10	6 36	8 44	5 10	5 29	2 26	4 27	1 10	24 2	0 27	23 10	0 25	22 38	1 9	10 57	0 44	21 32	0 13	17 10	4 16	16 53	17 16	19 28		n.a.
T 11	6 13	12 41	5 12	6 1	2 32	3 56	1 8	24 4	0 28	23 9	0 26	22 39	1 9	10 55	0 44	21 31	0 13	17 10	4 16	16 54	17 17	19 27		n.a.
W12	5 50	16 4	4 56	6 32	2 38	3 24	1 7	24 7	0 30	23 8	0 26	22 39	1 9	10 54	0 44	21 31	0 13	17 10	4 15	16 55	17 18	19 26		n.a.
T 13	5 26	18 38	4 24	7 1	2 44	2 53	1 6	24 9	0 31	23 7	0 26	22 39	1 9	10 53	0 44	21 31	0 13	17 11	4 15	16 55	17 19	19 26		n.a.
F 14	5 3	20 8	3 35	7 29	2 49	2 21	1 4	24 11	0 32	23 6	0 26	22 40	1 9	10 51	0 44	21 31	0 13	17 11	4 15	16 55	17 20	19 25		n.a.
S 15	4 39	20 23	2 33	7 55	2 54	1 50	1 2	24 14	0 33	23 5	0 26	22 40	1 9	10 50	0 44	21 30	0 13	17 11	4 15	16 55	17 21	19 25		n.a.
S 16	4 16	19 18	1 20	8 19	2 58	1 18	1 1	24 16	0 35	23 4	0 26	22 40	1 9	10 49	0 44	21 30	0 13	17 12	4 14	16 54	17 22	19 24		n.a.
M17	3 52	16 55	0 0	8 42	3 2	0 46	0 59	24 18	0 36	23 3	0 27	22 40	1 9	10 47	0 44	21 30	0 13	17 12	4 14	16 54	17 23	19 24		n.a.
T 18	3 28	13 25	1s19	9 2	3 5	0 14	0 57	24 20	0 37	23 2	0 27	22 41	1 9	10 46	0 44	21 29	0 13	17 13	4 14	16 54	17 24	19 23		n.a.
W19	3 4	9 5	2 33	9 20	3 8	0s17	0 56	24 21	0 39	23 1	0 27	22 41	1 9	10 45	0 44	21 29	0 13	17 13	4 14	16 55	17 25	19 23		n.a.
T 20	2 41	4 15	3 36	9 36	3 10	0 49	0 54	24 23	0 40	23 0	0 27	22 41	1 9	10 43	0 44	21 29	0 13	17 13	4 13	16 56	17 25	19 22		n.a.
F 21	2 17	0n43	4 24	9 48	3 11	1 21	0 52	24 24	0 41	23 0	0 27	22 41	1 9	10 42	0 44	21 29	0 13	17 14	4 13	16 58	17 26	19 22		n.a.
S 22	1 53	5 31	4 55	9 58	3 11	1 53	0 50	24 26	0 43	22 59	0 27	22 41	1 9	10 41	0 44	21 29	0 13	17 14	4 13	17 0	17 27	19 21		n.a.
S 23	1 29	9 55	5 9	10 4	3 11	2 24	0 48	24 27	0 44	22 58	0 28	22 42	1 9	10 39	0 44	21 28	0 13	17 15	4 13	17 2	17 28	19 20		n.a.
M24	1 4	13 42	5 5	10 7	3 9	2 56	0 46	24 29	0 46	22 57	0 28	22 42	1 9	10 38	0 44	21 28	0 13	17 15	4 13	17 4	17 29	19 20		n.a.
T 25	0 40	16 44	4 47	10 5	3 6	3 28	0 44	24 30	0 47	22 56	0 28	22 42	1 9	10 37	0 44	21 28	0 13	17 15	4 12	17 5	17 30	19 19		n.a.
W26	0 16	18 54	4 15	9 59	3 1	3 59	0 42	24 31	0 48	22 55	0 28	22 42	1 8	10 35	0 44	21 28	0 13	17 16	4 12	17 6	17 31	19 19		n.a.
T 27	0s 8	20 11	3 33	9 48	2 55	4 31	0 40	24 32	0 50	22 54	0 28	22 42	1 8	10 34	0 44	21 27	0 13	17 16	4 12	17 6	17 32	19 18		n.a.
F 28	0 32	20 31	2 41	9 33	2 48	5 2	0 38	24 33	0 51	22 53	0 28	22 42	1 8	10 33	0 44	21 27	0 13	17 17	4 12	17 6	17 33	19 17		n.a.
S 29	0 56	19 57	1 44	9 12	2 38	5 34	0 36	24 34	0 53	22 52	0 29	22 42	1 8	10 32	0 44	21 27	0 13	17 17	4 11	17 6	17 33	19 17		n.a.
S 30	1s20	18n29	0s42	8s45	2s27	6s 5	0n33	24n35	0n54	22n51	0n29	22s42	1s 8	10n30	0n44	21n27	0n13	17s17	4n11	17n 5	17n34	19n16		n.a.

Julian Day Number = 1642407.5, Delta T = 03h35m39s
Ecliptic obliquity = 23°43'11, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'21, Lahiri = - 6°56'21 Julian Calendar 1 Sept. 217 BCE == Greg. Calendar 28 Aug. 217 BCE

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

OCTOBER 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 24 19	4♎20'05	17♌ 9	15°R29	17♎50	3♋57	18♋56	23°R54	4♍59	25♋51	5♐11	13°R 5	11♌19	1♌ 4	n.a.	M 1
T 2	0 28 16	5°20'18	29° 9	14♎30	19° 6	4°23	19° 3	23°D54	5° 2	25°52	5°12	13♌ 3	11°16	1°11	n.a.	T 2
W 3	0 32 12	6°20'33	11♍20	13°24	20°21	4°49	19°10	23♏54	5° 5	25°53	5°13	12°59	11°12	1°17	n.a.	W 3
T 4	0 36 9	7°20'50	23°45	12°11	21°36	5°14	19°17	23°54	5° 9	25°54	5°15	12°53	11° 9	1°24	n.a.	T 4
F 5	0 40 6	8°21'09	6♎25	10°55	22°51	5°39	19°23	23°54	5°12	25°55	5°16	12°44	11° 6	1°31	n.a.	F 5
S 6	0 44 2	9°21'30	19°20	9°36	24° 6	6° 4	19°30	23°55	5°15	25°56	5°17	12°34	11° 3	1°37	n.a.	S 6
S 7	0 47 59	10°21'52	2♏30	8°18	25°21	6°29	19°36	23°55	5°19	25°57	5°19	12°24	11° 0	1°44	n.a.	S 7
M 8	0 51 55	11°22'16	15°53	7° 2	26°36	6°53	19°42	23°56	5°22	25°58	5°20	12°14	10°56	1°51	n.a.	M 8
T 9	0 55 52	12°22'42	29°28	5°52	27°51	7°17	19°48	23°57	5°25	25°58	5°22	12° 5	10°53	1°57	n.a.	T 9
W10	0 59 48	13°23'10	13♐11	4°50	29° 6	7°40	19°54	23°57	5°28	25°59	5°23	11°59	10°50	2° 4	n.a.	W10
T 11	1 3 45	14°23'39	27° 2	3°56	0♏21	8° 3	20° 0	23°58	5°32	26° 0	5°24	11°55	10°47	2°10	n.a.	T 11
F 12	1 7 41	15°24'09	11♑ 1	3°14	1°36	8°26	20° 5	23°59	5°35	26° 1	5°26	11°D54	10°44	2°17	n.a.	F 12
S 13	1 11 38	16°24'41	25° 5	2°43	2°51	8°48	20°11	24° 1	5°38	26° 1	5°28	11°54	10°41	2°24	n.a.	S 13
S 14	1 15 35	17°25'14	9♒15	2°23	4° 6	9°10	20°16	24° 2	5°41	26° 2	5°29	11°R54	10°37	2°30	n.a.	S 14
M15	1 19 31	18°25'49	23°29	2°D15	5°21	9°32	20°21	24° 3	5°44	26° 3	5°31	11°54	10°34	2°37	n.a.	M15
T 16	1 23 28	19°26'25	7♓45	2°18	6°36	9°53	20°26	24° 5	5°47	26° 3	5°32	11°51	10°31	2°44	n.a.	T 16
W17	1 27 24	20°27'02	22° 0	2°32	7°51	10°14	20°30	24° 6	5°50	26° 4	5°34	11°46	10°28	2°50	n.a.	W17
T 18	1 31 21	21°27'40	6♈10	2°56	9° 6	10°34	20°35	24° 8	5°53	26° 4	5°36	11°38	10°25	2°57	n.a.	T 18
F 19	1 35 17	22°28'20	20° 9	3°29	10°21	10°54	20°39	24°10	5°56	26° 5	5°37	11°27	10°22	3° 4	n.a.	F 19
S 20	1 39 14	23°29'02	3♉53	4°10	11°36	11°14	20°44	24°11	5°59	26° 5	5°39	11°15	10°18	3°10	n.a.	S 20
S 21	1 43 10	24°29'45	17°18	4°58	12°51	11°33	20°48	24°13	6° 1	26° 6	5°41	11° 3	10°15	3°17	n.a.	S 21
M22	1 47 7	25°30'29	0♊23	5°52	14° 6	11°52	20°51	24°15	6° 4	26° 6	5°42	10°52	10°12	3°24	n.a.	M22
T 23	1 51 4	26°31'16	13° 6	6°52	15°21	12°10	20°55	24°18	6° 7	26° 6	5°44	10°42	10° 9	3°30	n.a.	T 23
W24	1 55 0	27°32'04	25°29	7°57	16°36	12°28	20°58	24°20	6°10	26° 7	5°46	10°36	10° 6	3°37	n.a.	W24
T 25	1 58 57	28°32'53	7♋37	9° 6	17°51	12°46	21° 2	24°22	6°12	26° 7	5°48	10°31	10° 2	3°43	n.a.	T 25
F 26	2 2 53	29°33'44	19°32	10°19	19° 6	13° 2	21° 5	24°25	6°15	26° 7	5°49	10°30	9°59	3°50	n.a.	F 26
S 27	2 6 50	0♏34'37	1♌21	11°34	20°21	13°19	21° 8	24°27	6°18	26° 7	5°51	10°D29	9°56	3°57	n.a.	S 27
S 28	2 10 46	1°35'31	13° 8	12°52	21°36	13°35	21°11	24°30	6°20	26° 8	5°53	10°R29	9°53	4° 3	n.a.	S 28
M29	2 14 43	2°36'27	25° 1	14°13	22°50	13°50	21°13	24°33	6°23	26° 8	5°55	10°29	9°50	4°10	n.a.	M29
T 30	2 18 39	3°37'24	7♍ 3	15°35	24° 5	14° 5	21°16	24°35	6°25	26° 8	5°57	10°26	9°47	4°17	n.a.	T 30
W31	2 22 36	4♏38'22	19♍19	17♎ 0	25♏20	14♋19	21♋18	24♏38	6♍28	26♋ 8	5♐59	10♌21	9♌43	4♌23	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	1s45	16n13	0n22	8s14	2s14	6s36	0n31	24n36	0n56	22n51	0n29	22s42	1s 8	10n29	0n44	21n27	0n14	17s18	4n11	17n 5	17n35	19n16			n.a.
T 2	2 9	13 14	1 26	7 37	1 59	7 7	0 29	24 36	0 57	22 50	0 29	22 42	1 8	10 28	0 44	21 27	0 14	17 18	4 11	17 6	17 36	19 15			n.a.
W 3	2 33	9 39	2 26	6 56	1 43	7 38	0 27	24 37	0 59	22 49	0 29	22 42	1 8	10 27	0 44	21 26	0 14	17 19	4 11	17 7	17 37	19 14			n.a.
T 4	2 57	5 34	3 21	6 10	1 25	8 8	0 24	24 37	1 1	22 48	0 30	22 42	1 8	10 25	0 44	21 26	0 14	17 19	4 10	17 9	17 38	19 14			n.a.
F 5	3 21	1 11	4 6	5 22	1 6	8 39	0 22	24 38	1 2	22 48	0 30	22 42	1 8	10 24	0 44	21 26	0 14	17 20	4 10	17 11	17 39	19 13			n.a.
S 6	3 45	3s20	4 40	4 32	0 45	9 9	0 19	24 38	1 4	22 47	0 30	22 42	1 8	10 23	0 44	21 26	0 14	17 20	4 10	17 14	17 40	19 13			n.a.
S 7	4 9	7 47	5 0	3 42	0 25	9 39	0 17	24 39	1 5	22 46	0 30	22 42	1 8	10 22	0 44	21 26	0 14	17 21	4 10	17 17	17 41	19 12			n.a.
M 8	4 33	11 56	5 4	2 53	0 4	10 9	0 15	24 39	1 7	22 45	0 30	22 41	1 8	10 20	0 44	21 26	0 14	17 21	4 10	17 20	17 41	19 11			n.a.
T 9	4 57	15 32	4 51	2 7	0n16	10 38	0 12	24 40	1 9	22 45	0 31	22 41	1 8	10 19	0 44	21 25	0 14	17 21	4 9	17 22	17 42	19 11			n.a.
W10	5 21	18 20	4 21	1 24	0 36	11 8	0 10	24 40	1 10	22 44	0 31	22 41	1 8	10 18	0 45	21 25	0 14	17 22	4 9	17 24	17 43	19 10			n.a.
T 11	5 44	20 6	3 36	0 46	0 54	11 37	0 7	24 40	1 12	22 43	0 31	22 41	1 8	10 17	0 45	21 25	0 14	17 22	4 9	17 25	17 44	19 9			n.a.
F 12	6 8	20 39	2 37	0 14	1 10	12 6	0 5	24 41	1 14	22 43	0 31	22 41	1 8	10 16	0 45	21 25	0 14	17 23	4 9	17 25	17 45	19 9			n.a.
S 13	6 32	19 55	1 29	0n13	1 25	12 34	0 2	24 41	1 16	22 42	0 31	22 40	1 8	10 15	0 45	21 25	0 14	17 23	4 9	17 25	17 46	19 8			n.a.
S 14	6 55	17 55	0 14	0 32	1 38	13 2	0s 0	24 41	1 17	22 42	0 32	22 40	1 8	10 14	0 45	21 25	0 14	17 24	4 8	17 25	17 47	19 7			n.a.
M15	7 18	14 49	1s 1	0 46	1 49	13 30	0 3	24 41	1 19	22 41	0 32	22 40	1 8	10 12	0 45	21 25	0 14	17 24	4 8	17 25	17 48	19 7			n.a.
T 16	7 42	10 49	2 13	0 53	1 59	13 58	0 5	24 42	1 21	22 40	0 32	22 40	1 8	10 11	0 45	21 25	0 14	17 25	4 8	17 26	17 48	19 6			n.a.
W17	8 5	6 12	3 16	0 54	2 6	14 25	0 8	24 42	1 23	22 40	0 32	22 39	1 8	10 10	0 45	21 25	0 14	17 25	4 8	17 28	17 49	19 5			n.a.
T 18	8 28	1 17	4 7	0 50	2 12	14 52	0 10	24 42	1 25	22 39	0 32	22 39	1 8	10 9	0 45	21 25	0 14	17 26	4 8	17 30	17 50	19 5			n.a.
F 19	8 51	3n38	4 41	0 41	2 17	15 18	0 13	24 42	1 27	22 39	0 33	22 39	1 8	10 8	0 45	21 24	0 14	17 26	4 7	17 33	17 51	19 4			n.a.
S 20	9 13	8 16	4 59	0 28	2 20	15 44	0 15	24 42	1 28	22 39	0 33	22 38	1 8	10 7	0 45	21 24	0 14	17 27	4 7	17 36	17 52	19 3			n.a.
S 21	9 36	12 24	5 0	0 10	2 22	16 10	0 18	24 43	1 30	22 38	0 33	22 38	1 8	10 6	0 45	21 24	0 14	17 27	4 7	17 40	17 53	19 3			n.a.
M22	9 59	15 50	4 45	0s11	2 22	16 35	0 20	24 43	1 32	22 38	0 33	22 37	1 8	10 5	0 45	21 24	0 14	17 27	4 7	17 43	17 54	19 2			n.a.
T 23	10 21	18 25	4 15	0 36	2 22	17 0	0 23	24 43	1 34	22 37	0 34	22 37	1 7	10 4	0 45	21 24	0 14	17 28	4 7	17 45	17 54	19 1			n.a.
W24	10 43	20 4	3 35	1 3	2 20	17 24	0 26	24 44	1 36	22 37	0 34	22 36	1 7	10 3	0 45	21 24	0 14	17 28	4 7	17 47	17 55	19 0			n.a.
T 25	11 5	20 45	2 45	1 32	2 18	17 48	0 28	24 44	1 38	22 37	0 34	22 36	1 7	10 2	0 45	21 24	0 14	17 29	4 6	17 48	17 56	19 0			n.a.
F 26	11 27	20 29	1 49	2 3	2 15	18 11	0 31	24 44	1 40	22 37	0 34	22 36	1 7	10 1	0 45	21 24	0 14	17 29	4 6	17 49	17 57	18 59			n.a.
S 27	11 48	19 18	0 48	2 37	2 12	18 34	0 33	24 45	1 42	22 36	0 34	22 35	1 7	10 0	0 45	21 24	0 14	17 30	4 6	17 49	17 58	18 58			n.a.
S 28	12 10	17 18	0n14	3 11	2 8	18 57	0 36	24 45	1 45	22 36	0 35	22 35	1 7	9 59	0 45	21 24	0 14	17 30	4 6	17 49	17 59	18 58			n.a.
M29	12 31	14 32	1 16	3 47	2 3	19 19	0 38	24 46	1 47	22 36	0 35	22 34	1 7	9 58	0 45	21 24	0 14	17 31	4 6	17 49	18 0	18 57			n.a.
T 30	12 52	11 7	2 16	4 23	1 58	19 40	0 40	24 46	1 49	22 36	0 35	22 33	1 7	9 57	0 45	21 24	0 14	17 31	4 5	17 50	18 1	18 56			n.a.
W31	13s13	7n11	3n10	5s 1	1n53	20s 1	0s43	24n47	1n51	22n36	0n35	22s33	1s 7	9n57	0n45	21n24	0n14	17s32	4n 5	17n51	18n 1	18n55			n.a.

Julian Day Number = 1642437.5, Delta T = 03h35m38s
Ecliptic obliquity = 23°43'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'17, Lahiri = - 6°56'16 Julian Calendar 1 Oct. 217 BCE == Greg. Calendar 27 Sept. 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

NOVEMBER 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 26 33	5♏39'22	1♎53	18♎25	26♏35	14♋33	21♋20	24♑41	6♍30	26♋ 8	6♐ 1	10°R13	9♌40	4♌30	n.a.	T 1
F 2	2 30 29	6°40'23	14°47	19°52	27°50	14°46	21°21	24°45	6°32	26°R 8	6° 2	10♌ 2	9°37	4°37	n.a.	F 2
S 3	2 34 26	7°41'25	28° 2	21°19	29° 5	14°59	21°23	24°48	6°35	26° 8	6° 4	9°50	9°34	4°43	n.a.	S 3
S 4	2 38 22	8°42'29	11♏36	22°48	0♐20	15°11	21°24	24°51	6°37	26° 8	6° 6	9°36	9°31	4°50	n.a.	S 4
M 5	2 42 19	9°43'33	25°26	24°17	1°35	15°23	21°26	24°54	6°39	26° 8	6° 8	9°23	9°28	4°57	n.a.	M 5
T 6	2 46 15	10°44'38	9♐27	25°46	2°50	15°34	21°27	24°58	6°41	26° 8	6°10	9°12	9°24	5° 3	n.a.	T 6
W 7	2 50 12	11°45'45	23°35	27°17	4° 4	15°44	21°28	25° 2	6°43	26° 7	6°12	9° 4	9°21	5°10	n.a.	W 7
T 8	2 54 8	12°46'51	7♑46	28°47	5°19	15°53	21°28	25° 5	6°46	26° 7	6°14	8°58	9°18	5°17	n.a.	T 8
F 9	2 58 5	13°47'59	21°57	0♏18	6°34	16° 2	21°29	25° 9	6°48	26° 7	6°16	8°56	9°15	5°23	n.a.	F 9
S 10	3 2 2	14°49'07	6♒ 4	1°49	7°49	16°11	21°29	25°13	6°50	26° 7	6°18	8°55	9°12	5°30	n.a.	S 10
S 11	3 5 58	15°50'15	20° 9	3°21	9° 4	16°19	21°R29	25°17	6°51	26° 6	6°20	8°55	9° 8	5°36	n.a.	S 11
M12	3 9 55	16°51'24	4♓ 8	4°53	10°18	16°26	21°29	25°21	6°53	26° 6	6°22	8°54	9° 5	5°43	n.a.	M12
T 13	3 13 51	17°52'33	18° 4	6°25	11°33	16°32	21°28	25°25	6°55	26° 6	6°24	8°52	9° 2	5°50	n.a.	T 13
W14	3 17 48	18°53'43	1♈53	7°57	12°48	16°38	21°28	25°29	6°57	26° 5	6°26	8°46	8°59	5°56	n.a.	W14
T 15	3 21 44	19°54'52	15°35	9°29	14° 3	16°43	21°27	25°34	6°59	26° 5	6°29	8°37	8°56	6° 3	n.a.	T 15
F 16	3 25 41	20°56'03	29° 8	11° 2	15°17	16°47	21°26	25°38	7° 0	26° 4	6°31	8°26	8°53	6°10	n.a.	F 16
S 17	3 29 37	21°57'14	12♉29	12°35	16°32	16°50	21°25	25°42	7° 2	26° 4	6°33	8°13	8°49	6°16	n.a.	S 17
S 18	3 33 34	22°58'25	25°36	14° 7	17°47	16°53	21°24	25°47	7° 4	26° 3	6°35	8° 0	8°46	6°23	n.a.	S 18
M19	3 37 31	23°59'37	8♊27	15°40	19° 1	16°55	21°22	25°51	7° 5	26° 3	6°37	7°48	8°43	6°30	n.a.	M19
T 20	3 41 27	25° 0'49	21° 1	17°14	20°16	16°57	21°20	25°56	7° 7	26° 2	6°39	7°37	8°40	6°36	n.a.	T 20
W21	3 45 24	26° 2'02	3♋20	18°47	21°31	16°R57	21°18	26° 1	7° 8	26° 2	6°41	7°30	8°37	6°43	n.a.	W21
T 22	3 49 20	27° 3'16	15°25	20°20	22°45	16°57	21°16	26° 6	7° 9	26° 1	6°43	7°25	8°33	6°50	n.a.	T 22
F 23	3 53 17	28° 4'30	27°19	21°54	24° 0	16°56	21°14	26°11	7°11	26° 0	6°45	7°22	8°30	6°56	n.a.	F 23
S 24	3 57 13	29° 5'44	9♌ 8	23°28	25°14	16°54	21°12	26°16	7°12	26° 0	6°47	7°D22	8°27	7° 3	n.a.	S 24
S 25	4 1 10	0♐ 6'59	20°55	25° 2	26°29	16°51	21° 9	26°21	7°13	25°59	6°50	7°22	8°24	7°10	n.a.	S 25
M26	4 5 6	1° 8'14	2♍46	26°37	27°43	16°48	21° 6	26°26	7°14	25°58	6°52	7°R22	8°21	7°16	n.a.	M26
T 27	4 9 3	2° 9'30	14°47	28°11	28°58	16°44	21° 3	26°31	7°15	25°57	6°54	7°22	8°18	7°23	n.a.	T 27
W28	4 13 0	3°10'46	27° 3	29°46	0♑12	16°39	21° 0	26°36	7°16	25°56	6°56	7°19	8°14	7°29	n.a.	W28
T 29	4 16 56	4°12'03	9♎40	1♐22	1°27	16°33	20°56	26°42	7°17	25°55	6°58	7°13	8°11	7°36	n.a.	T 29
F 30	4 20 53	5♐13'19	22♎39	2♐57	2♑41	16♋26	20♋53	26♑47	7♍18	25♋55	7♐ 0	7♌ 5	8♌ 8	7♌43	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13 s34	2n51	3n57	5 s39	1n47	20 s21	0 s45	24n47	1n53	22n36	0n36	22 s32	1 s 7	9n56	0n45	21n24	0n14	17 s32	4n 5	17n53	18n 2	18n55		n.a.
F 2	13 54	1 s43	4 32	6 17	1 41	20 41	0 48	24 48	1 55	22 35	0 36	22 32	1 7	9 55	0 45	21 24	0 14	17 33	4 5	17 56	18 3	18 54		n.a.
S 3	14 14	6 20	4 54	6 56	1 35	21 0	0 50	24 49	1 58	22 35	0 36	22 31	1 7	9 54	0 45	21 24	0 14	17 33	4 5	18 0	18 4	18 53		n.a.
S 4	14 34	10 44	5 0	7 35	1 29	21 19	0 52	24 50	2 0	22 35	0 36	22 30	1 7	9 53	0 45	21 24	0 14	17 34	4 5	18 3	18 5	18 52		n.a.
M 5	14 54	14 40	4 49	8 15	1 23	21 37	0 55	24 51	2 2	22 35	0 36	22 30	1 7	9 52	0 45	21 24	0 14	17 34	4 5	18 7	18 6	18 52		n.a.
T 6	15 13	17 51	4 20	8 54	1 16	21 54	0 57	24 52	2 4	22 36	0 37	22 29	1 7	9 52	0 45	21 24	0 14	17 35	4 4	18 10	18 7	18 51		n.a.
W 7	15 32	19 59	3 35	9 33	1 9	22 11	0 59	24 53	2 7	22 36	0 37	22 28	1 7	9 51	0 45	21 24	0 14	17 35	4 4	18 12	18 7	18 50		n.a.
T 8	15 51	20 53	2 37	10 12	1 2	22 27	1 1	24 54	2 9	22 36	0 37	22 28	1 7	9 50	0 45	21 24	0 14	17 36	4 4	18 13	18 8	18 49		n.a.
F 9	16 10	20 27	1 29	10 51	0 55	22 42	1 4	24 55	2 11	22 36	0 37	22 27	1 7	9 49	0 45	21 24	0 14	17 36	4 4	18 14	18 9	18 48		n.a.
S 10	16 28	18 44	0 15	11 29	0 48	22 57	1 6	24 56	2 14	22 36	0 38	22 26	1 7	9 49	0 46	21 24	0 14	17 37	4 4	18 14	18 10	18 48		n.a.
S 11	16 46	15 52	0 s59	12 8	0 42	23 11	1 8	24 58	2 16	22 36	0 38	22 25	1 7	9 48	0 46	21 25	0 14	17 37	4 4	18 14	18 11	18 47		n.a.
M12	17 4	12 6	2 9	12 45	0 35	23 24	1 10	24 59	2 19	22 37	0 38	22 25	1 7	9 47	0 46	21 25	0 14	17 38	4 3	18 14	18 12	18 46		n.a.
T 13	17 22	7 42	3 11	13 23	0 28	23 37	1 12	25 1	2 21	22 37	0 38	22 24	1 7	9 47	0 46	21 25	0 14	17 38	4 3	18 15	18 12	18 45		n.a.
W14	17 39	2 56	4 2	14 0	0 21	23 49	1 14	25 3	2 24	22 37	0 39	22 23	1 7	9 46	0 46	21 25	0 14	17 39	4 3	18 17	18 13	18 45		n.a.
T 15	17 55	1n57	4 37	14 36	0 14	24 0	1 16	25 5	2 26	22 38	0 39	22 22	1 7	9 45	0 46	21 25	0 14	17 39	4 3	18 19	18 14	18 44		n.a.
F 16	18 12	6 40	4 57	15 12	0 7	24 11	1 18	25 7	2 29	22 38	0 39	22 21	1 7	9 45	0 46	21 25	0 14	17 40	4 3	18 22	18 15	18 43		n.a.
S 17	18 28	11 0	5 0	15 48	0 s 0	24 21	1 20	25 9	2 31	22 38	0 39	22 20	1 7	9 44	0 46	21 25	0 14	17 40	4 3	18 25	18 16	18 42		n.a.
S 18	18 44	14 44	4 47	16 22	0 7	24 30	1 21	25 11	2 34	22 39	0 40	22 20	1 7	9 44	0 46	21 25	0 14	17 41	4 3	18 29	18 17	18 41		n.a.
M19	18 59	17 42	4 20	16 56	0 13	24 38	1 23	25 13	2 36	22 39	0 40	22 19	1 7	9 43	0 46	21 25	0 14	17 41	4 3	18 32	18 18	18 40		n.a.
T 20	19 15	19 45	3 40	17 30	0 20	24 46	1 25	25 16	2 39	22 40	0 40	22 18	1 7	9 43	0 46	21 26	0 15	17 41	4 2	18 35	18 18	18 40		n.a.
W21	19 29	20 50	2 50	18 2	0 27	24 53	1 26	25 18	2 42	22 40	0 40	22 17	1 7	9 42	0 46	21 26	0 15	17 42	4 2	18 37	18 19	18 39		n.a.
T 22	19 44	20 56	1 54	18 34	0 33	24 59	1 28	25 21	2 44	22 41	0 40	22 16	1 6	9 42	0 46	21 26	0 15	17 42	4 2	18 38	18 20	18 38		n.a.
F 23	19 58	20 4	0 53	19 5	0 39	25 4	1 29	25 24	2 47	22 41	0 41	22 15	1 6	9 41	0 46	21 26	0 15	17 43	4 2	18 39	18 21	18 37		n.a.
S 24	20 11	18 20	0n 9	19 35	0 45	25 9	1 31	25 26	2 50	22 42	0 41	22 14	1 6	9 41	0 46	21 26	0 15	17 43	4 2	18 39	18 22	18 36		n.a.
S 25	20 25	15 49	1 12	20 5	0 51	25 13	1 32	25 29	2 52	22 43	0 41	22 13	1 6	9 40	0 46	21 26	0 15	17 44	4 2	18 39	18 23	18 35		n.a.
M26	20 38	12 39	2 11	20 33	0 57	25 16	1 34	25 33	2 55	22 43	0 41	22 12	1 6	9 40	0 46	21 26	0 15	17 44	4 2	18 39	18 23	18 35		n.a.
T 27	20 50	8 55	3 6	21 1	1 3	25 18	1 35	25 36	2 58	22 44	0 42	22 11	1 6	9 40	0 46	21 27	0 15	17 45	4 2	18 39	18 24	18 34		n.a.
W28	21 2	4 44	3 53	21 27	1 8	25 19	1 36	25 39	3 0	22 45	0 42	22 10	1 6	9 39	0 46	21 27	0 15	17 45	4 2	18 40	18 25	18 33		n.a.
T 29	21 14	0 16	4 30	21 53	1 14	25 20	1 37	25 42	3 3	22 46	0 42	22 9	1 6	9 39	0 46	21 27	0 15	17 46	4 1	18 41	18 26	18 32		n.a.
F 30	21 s25	4 s21	4n55	22 s17	1 s19	25 s20	1 s38	25n46	3n 6	22n46	0n42	22 s 8	1 s 6	9n39	0n46	21n27	0n15	17 s46	4n 1	18n43	18n27	18n31		n.a.

Julian Day Number = 1642468.5, Delta T = 03h35m37s
Ecliptic obliquity = 23°43'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'13, Lahiri = - 6°56'12 Julian Calendar 1 Nov. 217 BCE == Greg. Calendar 28 Oct. 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 217 BCE
geocentric

DECEMBER 217 BCE (-216) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 24 49	6♐14'36	6♏ 3	4♐33	3♑56	16°R19	20°R49	26♑53	7♍19	25°R54	7♐ 2	6°R56	8♌ 5	7♌49	n.a.	S 1
S 2	4 28 46	7°15'54	19°52	6° 9	5°10	16♋10	20♋45	26°58	7°20	25♋53	7° 5	6♌45	8° 2	7°56	n.a.	S 2
M 3	4 32 42	8°17'11	4♐ 2	7°46	6°24	16° 1	20°41	27° 4	7°21	25°52	7° 7	6°35	7°59	8° 3	n.a.	M 3
T 4	4 36 39	9°18'28	18°29	9°23	7°39	15°51	20°36	27° 9	7°21	25°51	7° 9	6°26	7°55	8° 9	n.a.	T 4
W 5	4 40 36	10°19'45	3♑ 5	11° 0	8°53	15°40	20°32	27°15	7°22	25°50	7°11	6°20	7°52	8°16	n.a.	W 5
T 6	4 44 32	11°21'02	17°43	12°37	10° 7	15°29	20°27	27°21	7°23	25°48	7°13	6°16	7°49	8°23	n.a.	T 6
F 7	4 48 29	12°22'18	2♒17	14°15	11°22	15°16	20°22	27°27	7°23	25°47	7°15	6°D14	7°46	8°29	n.a.	F 7
S 8	4 52 25	13°23'33	16°43	15°54	12°36	15° 3	20°17	27°33	7°24	25°46	7°17	6°14	7°43	8°36	n.a.	S 8
S 9	4 56 22	14°24'48	0♓57	17°32	13°50	14°49	20°12	27°39	7°24	25°45	7°20	6°15	7°39	8°43	n.a.	S 9
M10	5 0 18	15°26'02	14°58	19°12	15° 4	14°35	20° 7	27°45	7°24	25°44	7°22	6°R16	7°36	8°49	n.a.	M10
T 11	5 4 15	16°27'16	28°45	20°51	16°18	14°19	20° 1	27°51	7°25	25°43	7°24	6°15	7°33	8°56	n.a.	T 11
W12	5 8 11	17°28'29	12♈20	22°31	17°33	14° 3	19°56	27°57	7°25	25°42	7°26	6°12	7°30	9° 2	n.a.	W12
T 13	5 12 8	18°29'41	25°41	24°12	18°47	13°46	19°50	28° 3	7°25	25°40	7°28	6° 7	7°27	9° 9	n.a.	T 13
F 14	5 16 5	19°30'52	8♉50	25°52	20° 1	13°29	19°44	28° 9	7°25	25°39	7°30	6° 0	7°24	9°16	n.a.	F 14
S 15	5 20 1	20°32'02	21°47	27°33	21°15	13°10	19°38	28°16	7°25	25°38	7°32	5°52	7°20	9°22	n.a.	S 15
S 16	5 23 58	21°33'12	4♊32	29°15	22°29	12°52	19°32	28°22	7°R25	25°36	7°34	5°44	7°17	9°29	n.a.	S 16
M17	5 27 54	22°34'21	17° 4	0♑56	23°43	12°32	19°25	28°28	7°25	25°35	7°36	5°36	7°14	9°36	n.a.	M17
T 18	5 31 51	23°35'30	29°24	2°38	24°56	12°12	19°19	28°35	7°25	25°34	7°39	5°29	7°11	9°42	n.a.	T 18
W19	5 35 47	24°36'37	11♋33	4°20	26°10	11°52	19°12	28°41	7°25	25°32	7°41	5°24	7° 8	9°49	n.a.	W19
T 20	5 39 44	25°37'45	23°32	6° 2	27°24	11°30	19° 6	28°48	7°25	25°31	7°43	5°21	7° 5	9°56	n.a.	T 20
F 21	5 43 40	26°38'51	5♌24	7°44	28°38	11° 9	18°59	28°54	7°25	25°30	7°45	5°D20	7° 1	10° 2	n.a.	F 21
S 22	5 47 37	27°39'57	17°11	9°26	29°51	10°47	18°52	29° 1	7°24	25°28	7°47	5°21	6°58	10° 9	n.a.	S 22
S 23	5 51 34	28°41'02	28°58	11° 8	1♒ 5	10°25	18°45	29° 8	7°24	25°27	7°49	5°23	6°55	10°16	n.a.	S 23
M24	5 55 30	29°42'06	10♍49	12°49	2°19	10° 2	18°38	29°14	7°24	25°25	7°51	5°25	6°52	10°22	n.a.	M24
T 25	5 59 27	0♑43'10	22°48	14°29	3°32	9°39	18°30	29°21	7°23	25°24	7°53	5°26	6°49	10°29	n.a.	T 25
W26	6 3 23	1°44'13	5♎ 2	16° 8	4°46	9°15	18°23	29°28	7°23	25°22	7°55	5°R26	6°45	10°36	n.a.	W26
T 27	6 7 20	2°45'15	17°35	17°46	5°59	8°52	18°16	29°35	7°22	25°21	7°57	5°25	6°42	10°42	n.a.	T 27
F 28	6 11 16	3°46'16	0♏30	19°22	7°13	8°28	18° 8	29°41	7°21	25°19	7°59	5°22	6°39	10°49	n.a.	F 28
S 29	6 15 13	4°47'17	13°53	20°56	8°26	8° 4	18° 1	29°48	7°21	25°18	8° 1	5°19	6°36	10°55	n.a.	S 29
S 30	6 19 9	5°48'17	27°42	22°28	9°39	7°40	17°53	29°55	7°20	25°16	8° 3	5°14	6°33	11° 2	n.a.	S 30
M31	6 23 6	6♑49'16	11♐58	23♑56	10♒53	7♋16	17♋45	0♒ 2	7♍19	25♋15	8♐ 5	5♌10	6♌30	11♌ 9	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s36	8s55	5n 4	22s40	1s24	25s19	1s39	25n50	3n 8	22n47	0n43	22s 7	1s 6	9n38	0n46	21n27	0n15	17s47	4n 1	18n45	18n28	18n30		n.a.
S 2	21 47	13 9	4 57	23 2	1 28	25 17	1 40	25 53	3 11	22 48	0 43	22 6	1 6	9 38	0 46	21 28	0 15	17 47	4 1	18 48	18 28	18 29		n.a.
M 3	21 57	16 46	4 31	23 23	1 33	25 15	1 41	25 57	3 14	22 49	0 43	22 4	1 6	9 38	0 46	21 28	0 15	17 47	4 1	18 51	18 29	18 29		n.a.
T 4	22 6	19 27	3 47	23 43	1 37	25 12	1 42	26 1	3 16	22 50	0 43	22 3	1 6	9 38	0 47	21 28	0 15	17 48	4 1	18 53	18 30	18 28		n.a.
W 5	22 16	20 53	2 48	24 2	1 41	25 8	1 43	26 5	3 19	22 51	0 43	22 2	1 6	9 37	0 47	21 28	0 15	17 48	4 1	18 55	18 31	18 27		n.a.
T 6	22 24	20 55	1 38	24 19	1 45	25 3	1 44	26 9	3 22	22 52	0 44	22 1	1 6	9 37	0 47	21 28	0 15	17 49	4 1	18 56	18 32	18 26		n.a.
F 7	22 33	19 32	0 21	24 34	1 48	24 57	1 44	26 13	3 24	22 53	0 44	22 0	1 6	9 37	0 47	21 29	0 15	17 49	4 1	18 56	18 33	18 25		n.a.
S 8	22 40	16 54	0s56	24 49	1 52	24 51	1 45	26 17	3 27	22 54	0 44	21 59	1 6	9 37	0 47	21 29	0 15	17 50	4 1	18 56	18 33	18 24		n.a.
S 9	22 48	13 16	2 9	25 2	1 55	24 44	1 45	26 21	3 29	22 55	0 44	21 57	1 6	9 37	0 47	21 29	0 15	17 50	4 0	18 56	18 34	18 23		n.a.
M10	22 55	8 57	3 13	25 13	1 57	24 36	1 46	26 25	3 32	22 56	0 45	21 56	1 6	9 37	0 47	21 29	0 15	17 51	4 0	18 55	18 35	18 22		n.a.
T 11	23 1	4 14	4 5	25 23	1 59	24 28	1 46	26 29	3 34	22 57	0 45	21 55	1 6	9 37	0 47	21 30	0 15	17 51	4 0	18 56	18 36	18 21		n.a.
W12	23 7	0n36	4 42	25 31	2 1	24 18	1 46	26 34	3 37	22 58	0 45	21 54	1 6	9 37	0 47	21 30	0 15	17 51	4 0	18 56	18 37	18 20		n.a.
T 13	23 13	5 21	5 3	25 38	2 3	24 8	1 46	26 38	3 39	22 59	0 45	21 53	1 6	9 37	0 47	21 30	0 15	17 52	4 0	18 58	18 37	18 19		n.a.
F 14	23 18	9 45	5 8	25 43	2 4	23 58	1 46	26 42	3 41	23 0	0 45	21 51	1 6	9 37	0 47	21 30	0 15	17 52	4 0	18 59	18 38	18 19		n.a.
S 15	23 23	13 39	4 56	25 46	2 4	23 46	1 46	26 46	3 44	23 1	0 46	21 50	1 6	9 37	0 47	21 31	0 15	17 53	4 0	19 1	18 39	18 18		n.a.
S 16	23 27	16 52	4 30	25 47	2 4	23 34	1 46	26 50	3 46	23 2	0 46	21 49	1 6	9 37	0 47	21 31	0 15	17 53	4 0	19 4	18 40	18 17		n.a.
M17	23 31	19 14	3 52	25 47	2 4	23 21	1 46	26 54	3 48	23 3	0 46	21 47	1 6	9 37	0 47	21 31	0 15	17 53	4 0	19 6	18 41	18 16		n.a.
T 18	23 34	20 40	3 3	25 45	2 3	23 7	1 46	26 58	3 50	23 4	0 46	21 46	1 6	9 37	0 47	21 31	0 15	17 54	4 0	19 7	18 42	18 15		n.a.
W19	23 37	21 7	2 6	25 41	2 2	22 53	1 45	27 2	3 52	23 6	0 46	21 45	1 6	9 37	0 47	21 32	0 15	17 54	4 0	19 8	18 42	18 14		n.a.
T 20	23 39	20 36	1 4	25 35	2 0	22 38	1 45	27 6	3 54	23 7	0 47	21 43	1 6	9 37	0 47	21 32	0 15	17 55	4 0	19 9	18 43	18 13		n.a.
F 21	23 41	19 9	0n 0	25 27	1 57	22 23	1 44	27 10	3 56	23 8	0 47	21 42	1 6	9 37	0 47	21 32	0 15	17 55	4 0	19 9	18 44	18 12		n.a.
S 22	23 42	16 53	1 4	25 17	1 54	22 7	1 44	27 14	3 58	23 9	0 47	21 41	1 6	9 37	0 47	21 33	0 15	17 55	4 0	19 9	18 45	18 11		n.a.
S 23	23 43	13 56	2 6	25 5	1 50	21 50	1 43	27 17	4 0	23 10	0 47	21 39	1 6	9 37	0 47	21 33	0 15	17 56	4 0	19 9	18 46	18 10		n.a.
M24	23 43	10 24	3 2	24 51	1 46	21 32	1 43	27 21	4 1	23 11	0 47	21 38	1 6	9 38	0 47	21 33	0 15	17 56	3 59	19 8	18 46	18 9		n.a.
T 25	23 43	6 25	3 51	24 35	1 41	21 14	1 42	27 24	4 3	23 13	0 48	21 36	1 6	9 38	0 47	21 33	0 15	17 56	3 59	19 8	18 47	18 8		n.a.
W26	23 42	2 6	4 31	24 18	1 35	20 56	1 41	27 27	4 4	23 14	0 48	21 35	1 6	9 38	0 47	21 34	0 15	17 57	3 59	19 8	18 48	18 7		n.a.
T 27	23 41	2s23	4 58	23 59	1 28	20 36	1 40	27 30	4 6	23 15	0 48	21 34	1 6	9 38	0 48	21 34	0 15	17 57	3 59	19 8	18 49	18 6		n.a.
F 28	23 40	6 55	5 12	23 38	1 20	20 16	1 39	27 33	4 7	23 16	0 48	21 32	1 6	9 39	0 48	21 34	0 15	17 58	3 59	19 9	18 50	18 5		n.a.
S 29	23 38	11 16	5 10	23 15	1 12	19 56	1 38	27 36	4 8	23 17	0 48	21 31	1 6	9 39	0 48	21 35	0 15	17 58	3 59	19 10	18 50	18 4		n.a.
S 30	23 35	15 10	4 50	22 51	1 3	19 35	1 36	27 38	4 9	23 19	0 48	21 29	1 7	9 39	0 48	21 35	0 15	17 58	3 59	19 11	18 51	18 3		n.a.
M31	23s32	18s20	4n11	22s26	0s52	19s14	1s35	27n41	4n10	23n20	0n49	21s28	1s 7	9n40	0n48	21n35	0n15	17s59	3n59	19n12	18n52	18n 2		n.a.

Julian Day Number = 1642498.5, Delta T = 03h35m36s
Ecliptic obliquity = 23°43'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'09, Lahiri = - 6°56'08 Julian Calendar 1 Dec. 217 BCE == Greg. Calendar 27 Nov. 217 BCE

The year -216 astronomical counting style corresponds to year 217 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

JANUARY 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 27 3	7♉50'13	26♐36	25♉21	12♒ 6	6°R52	17°R38	0♒ 9	7°R18	25°R13	8♐ 7	5°R 6	6♌26	11♌15	n.a.	T 1
W 2	6 30 59	8°51'10	11♉30	26°42	13°19	6♋28	17♋30	0°16	7♍17	25♋11	8° 9	5♌ 3	6°23	11°22	n.a.	W 2
T 3	6 34 56	9°52'06	26°32	27°57	14°32	6° 4	17°22	0°23	7°16	25°10	8°10	5° 1	6°20	11°29	n.a.	T 3
F 4	6 38 52	10°53'00	11♒31	29° 7	15°45	5°40	17°14	0°30	7°15	25° 8	8°12	5°D 1	6°17	11°35	n.a.	F 4
S 5	6 42 49	11°53'53	26°22	0♒11	16°58	5°16	17° 6	0°37	7°14	25° 7	8°14	5° 2	6°14	11°42	n.a.	S 5
S 6	6 46 45	12°54'43	10♓56	1° 7	18°11	4°53	16°58	0°44	7°13	25° 5	8°16	5° 4	6°11	11°49	n.a.	S 6
M 7	6 50 42	13°55'33	25°12	1°55	19°24	4°30	16°50	0°52	7°12	25° 3	8°18	5° 5	6° 7	11°55	n.a.	M 7
T 8	6 54 39	14°56'20	9♈ 6	2°35	20°36	4° 7	16°42	0°59	7°11	25° 2	8°20	5°R 6	6° 4	12° 2	n.a.	T 8
W 9	6 58 35	15°57'06	22°39	3° 4	21°49	3°45	16°35	1° 6	7° 9	25° 0	8°22	5° 6	6° 1	12° 9	n.a.	W 9
T 10	7 2 32	16°57'50	5♉52	3°24	23° 2	3°23	16°27	1°13	7° 8	24°58	8°23	5° 5	5°58	12°15	n.a.	T 10
F 11	7 6 28	17°58'32	18°47	3°R34	24°14	3° 1	16°19	1°20	7° 7	24°57	8°25	5° 3	5°55	12°22	n.a.	F 11
S 12	7 10 25	18°59'13	1♊26	3°32	25°27	2°40	16°11	1°28	7° 5	24°55	8°27	5° 1	5°51	12°29	n.a.	S 12
S 13	7 14 21	19°59'52	13°53	3°21	26°39	2°20	16° 3	1°35	7° 4	24°53	8°29	4°58	5°48	12°35	n.a.	S 13
M14	7 18 18	21° 0'29	26° 8	2°58	27°51	2° 0	15°55	1°42	7° 2	24°52	8°30	4°56	5°45	12°42	n.a.	M14
T 15	7 22 14	22° 1'05	8♋13	2°26	29° 4	1°40	15°47	1°49	7° 1	24°50	8°32	4°54	5°42	12°48	n.a.	T 15
W16	7 26 11	23° 1'38	20°11	1°44	0♓16	1°21	15°39	1°57	6°59	24°48	8°34	4°53	5°39	12°55	n.a.	W16
T 17	7 30 8	24° 2'10	2♌ 4	0°55	1°28	1° 3	15°31	2° 4	6°58	24°47	8°35	4°D53	5°36	13° 2	n.a.	T 17
F 18	7 34 4	25° 2'41	13°52	29♉58	2°40	0°46	15°23	2°11	6°56	24°45	8°37	4°53	5°32	13° 8	n.a.	F 18
S 19	7 38 1	26° 3'10	25°40	28°57	3°51	0°29	15°16	2°18	6°54	24°43	8°38	4°53	5°29	13°15	n.a.	S 19
S 20	7 41 57	27° 3'37	7♍29	27°52	5° 3	0°13	15° 8	2°26	6°53	24°42	8°40	4°54	5°26	13°22	n.a.	S 20
M21	7 45 54	28° 4'02	19°22	26°45	6°15	29♊57	15° 0	2°33	6°51	24°40	8°42	4°55	5°23	13°28	n.a.	M21
T 22	7 49 50	29° 4'26	1♎24	25°38	7°26	29°42	14°53	2°40	6°49	24°38	8°43	4°56	5°20	13°35	n.a.	T 22
W23	7 53 47	0♒ 4'49	13°37	24°33	8°38	29°28	14°45	2°48	6°47	24°37	8°45	4°56	5°17	13°42	n.a.	W23
T 24	7 57 43	1° 5'10	26° 7	23°31	9°49	29°15	14°38	2°55	6°45	24°35	8°46	4°R56	5°13	13°48	n.a.	T 24
F 25	8 1 40	2° 5'29	8♏57	22°33	11° 0	29° 2	14°31	3° 3	6°43	24°33	8°47	4°56	5°10	13°55	n.a.	F 25
S 26	8 5 37	3° 5'47	22°11	21°40	12°11	28°51	14°23	3°10	6°41	24°32	8°49	4°56	5° 7	14° 2	n.a.	S 26
S 27	8 9 33	4° 6'03	5♐51	20°53	13°23	28°40	14°16	3°17	6°39	24°30	8°50	4°56	5° 4	14° 8	n.a.	S 27
M28	8 13 30	5° 6'18	19°59	20°13	14°33	28°30	14° 9	3°25	6°37	24°28	8°52	4°D56	5° 1	14°15	n.a.	M28
T 29	8 17 26	6° 6'31	4♉32	19°40	15°44	28°20	14° 2	3°32	6°35	24°27	8°53	4°56	4°57	14°22	n.a.	T 29
W30	8 21 23	7° 6'42	19°26	19°14	16°55	28°12	13°55	3°39	6°33	24°25	8°54	4°56	4°54	14°28	n.a.	W30
T 31	8 25 19	8♒ 6'51	4♒34	18♉56	18♓ 6	28♊ 4	13♋49	3♒47	6♍31	24♋23	8♐56	4°R56	4♌51	14♌35	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23 s29	20 s25	3n16	21 s59	0 s41	18 s52	1 s34	27n43	4n11	23n21	0n49	21 s26	1 s 7	9n40	0n48	21n36	0n15	17 s59	3n59	19n13	18n53	18n 1			n.a.
W 2	23 25	21 7	2 6	21 32	0 29	18 29	1 32	27 45	4 12	23 22	0 49	21 25	1 7	9 40	0 48	21 36	0 15	17 59	3 59	19 14	18 54	18 0			n.a.
T 3	23 21	20 20	0 47	21 5	0 16	18 6	1 30	27 47	4 12	23 23	0 49	21 23	1 7	9 41	0 48	21 36	0 15	18 0	3 59	19 14	18 54	17 59			n.a.
F 4	23 16	18 6	0 s36	20 37	0 2	17 43	1 29	27 48	4 13	23 24	0 49	21 22	1 7	9 41	0 48	21 36	0 15	18 0	3 59	19 14	18 55	17 58			n.a.
S 5	23 11	14 41	1 55	20 9	0n12	17 19	1 27	27 50	4 13	23 26	0 49	21 20	1 7	9 42	0 48	21 37	0 15	18 0	3 59	19 14	18 56	17 57			n.a.
S 6	23 5	10 24	3 6	19 42	0 28	16 54	1 25	27 51	4 14	23 27	0 50	21 19	1 7	9 42	0 48	21 37	0 15	18 1	3 59	19 13	18 57	17 56			n.a.
M 7	22 59	5 38	4 3	19 15	0 44	16 30	1 23	27 52	4 14	23 28	0 50	21 17	1 7	9 43	0 48	21 37	0 15	18 1	3 59	19 13	18 58	17 55			n.a.
T 8	22 52	0 42	4 44	18 50	1 0	16 4	1 21	27 53	4 14	23 29	0 50	21 16	1 7	9 43	0 48	21 38	0 15	18 1	3 59	19 13	18 58	17 54			n.a.
W 9	22 45	4n 8	5 9	18 27	1 17	15 39	1 19	27 54	4 14	23 30	0 50	21 14	1 7	9 44	0 48	21 38	0 15	18 2	3 59	19 13	18 59	17 53			n.a.
T 10	22 38	8 40	5 16	18 5	1 35	15 13	1 17	27 55	4 14	23 31	0 50	21 13	1 7	9 44	0 48	21 38	0 15	18 2	3 59	19 13	19 0	17 52			n.a.
F 11	22 30	12 41	5 7	17 46	1 52	14 46	1 15	27 55	4 14	23 32	0 50	21 11	1 7	9 45	0 48	21 39	0 15	18 2	3 59	19 14	19 1	17 51			n.a.
S 12	22 21	16 4	4 43	17 30	2 9	14 20	1 13	27 55	4 14	23 34	0 50	21 9	1 7	9 45	0 48	21 39	0 15	18 2	3 59	19 14	19 2	17 50			n.a.
S 13	22 13	18 39	4 6	17 16	2 26	13 52	1 10	27 55	4 13	23 35	0 50	21 8	1 7	9 46	0 48	21 39	0 15	18 3	3 59	19 15	19 2	17 49			n.a.
M14	22 3	20 21	3 19	17 6	2 42	13 25	1 8	27 55	4 13	23 36	0 51	21 6	1 7	9 46	0 48	21 40	0 15	18 3	3 59	19 15	19 3	17 48			n.a.
T 15	21 54	21 5	2 23	16 59	2 56	12 57	1 5	27 55	4 12	23 37	0 51	21 5	1 7	9 47	0 48	21 40	0 15	18 3	3 59	19 16	19 4	17 47			n.a.
W16	21 44	20 51	1 21	16 55	3 10	12 29	1 3	27 55	4 12	23 38	0 51	21 3	1 7	9 48	0 48	21 40	0 15	18 4	3 59	19 16	19 5	17 46			n.a.
T 17	21 33	19 41	0 16	16 54	3 22	12 1	1 0	27 54	4 11	23 39	0 51	21 1	1 7	9 48	0 48	21 41	0 15	18 4	3 59	19 16	19 6	17 44			n.a.
F 18	21 22	17 39	0n50	16 57	3 32	11 32	0 57	27 53	4 10	23 40	0 51	21 0	1 7	9 49	0 48	21 41	0 16	18 4	3 59	19 16	19 6	17 43			n.a.
S 19	21 11	14 53	1 53	17 2	3 40	11 3	0 54	27 53	4 10	23 41	0 51	20 58	1 7	9 50	0 48	21 41	0 16	18 4	3 59	19 16	19 7	17 42			n.a.
S 20	20 59	11 31	2 52	17 9	3 46	10 34	0 51	27 52	4 9	23 42	0 51	20 56	1 7	9 50	0 48	21 42	0 16	18 5	3 59	19 16	19 8	17 41			n.a.
M21	20 47	7 40	3 43	17 18	3 49	10 4	0 48	27 51	4 8	23 43	0 51	20 55	1 7	9 51	0 48	21 42	0 16	18 5	3 59	19 16	19 9	17 40			n.a.
T 22	20 35	3 29	4 25	17 30	3 50	9 35	0 45	27 50	4 7	23 44	0 51	20 53	1 7	9 52	0 48	21 42	0 16	18 5	3 59	19 15	19 10	17 39			n.a.
W23	20 22	0 s53	4 56	17 42	3 49	9 5	0 42	27 49	4 6	23 45	0 51	20 52	1 8	9 52	0 48	21 42	0 16	18 5	3 59	19 15	19 10	17 38			n.a.
T 24	20 9	5 19	5 14	17 56	3 46	8 35	0 39	27 48	4 4	23 46	0 51	20 50	1 8	9 53	0 49	21 43	0 16	18 5	3 59	19 15	19 11	17 37			n.a.
F 25	19 56	9 38	5 17	18 11	3 41	8 5	0 36	27 46	4 3	23 46	0 52	20 48	1 8	9 54	0 49	21 43	0 16	18 6	3 59	19 15	19 12	17 36			n.a.
S 26	19 42	13 38	5 4	18 26	3 34	7 34	0 33	27 45	4 2	23 47	0 52	20 47	1 8	9 55	0 49	21 43	0 16	18 6	3 59	19 15	19 13	17 35			n.a.
S 27	19 27	17 3	4 33	18 41	3 26	7 3	0 29	27 43	4 1	23 48	0 52	20 45	1 8	9 55	0 49	21 44	0 16	18 6	3 59	19 15	19 13	17 33			n.a.
M28	19 13	19 36	3 45	18 57	3 16	6 33	0 26	27 42	3 59	23 49	0 52	20 43	1 8	9 56	0 49	21 44	0 16	18 6	3 59	19 15	19 14	17 32			n.a.
T 29	18 58	20 57	2 41	19 12	3 5	6 2	0 22	27 41	3 58	23 50	0 52	20 42	1 8	9 57	0 49	21 44	0 16	18 7	3 59	19 15	19 15	17 31			n.a.
W30	18 43	20 53	1 25	19 27	2 54	5 31	0 19	27 39	3 57	23 51	0 52	20 40	1 8	9 58	0 49	21 45	0 16	18 7	3 59	19 15	19 16	17 30			n.a.
T 31	18 s27	19 s19	0n 2	19 s42	2n42	5 s 0	0 s15	27n37	3n55	23n51	0n52	20 s38	1 s 8	9n59	0n49	21n45	0n16	18 s 7	3n59	19n15	19n17	17n29			n.a.

Julian Day Number = 1642529.5, Delta T = 03h35m35s
Ecliptic obliquity = 23°43'11, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'04, Lahiri = - 6°56'04 Julian Calendar 1 Jan. 216 BCE == Greg. Calendar 28 Dec. 217 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

FEBRUARY 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 29 16	9♒ 6'59	19♒47	18°R44	19♓16	27°R57	13°R42	3♒54	6°R29	24°R22	8♐57	4°R56	4♌48	14♌41	n.a.	F 1
S 2	8 33 12	10° 7'04	4♓56	18°D38	20°26	27♊51	13♋36	4° 1	6♍26	24♋20	8°58	4♌56	4°45	14°48	n.a.	S 2
S 3	8 37 9	11° 7'07	19°50	18♑40	21°37	27°45	13°29	4° 9	6°24	24°18	8°59	4°55	4°42	14°55	n.a.	S 3
M 4	8 41 6	12° 7'08	4♈24	18°47	22°47	27°40	13°23	4°16	6°22	24°17	9° 1	4°55	4°38	15° 1	n.a.	M 4
T 5	8 45 2	13° 7'07	18°32	19° 0	23°57	27°37	13°17	4°23	6°20	24°15	9° 2	4°54	4°35	15° 8	n.a.	T 5
W 6	8 48 59	14° 7'03	2♉14	19°19	25° 6	27°34	13°11	4°31	6°17	24°14	9° 3	4°53	4°32	15°15	n.a.	W 6
T 7	8 52 55	15° 6'57	15°30	19°43	26°16	27°31	13° 5	4°38	6°15	24°12	9° 4	4°D53	4°29	15°21	n.a.	T 7
F 8	8 56 52	16° 6'49	28°23	20°12	27°26	27°30	12°59	4°45	6°13	24°11	9° 5	4°53	4°26	15°28	n.a.	F 8
S 9	9 0 48	17° 6'38	10♊55	20°46	28°35	27°29	12°54	4°52	6°10	24° 9	9° 6	4°54	4°23	15°35	n.a.	S 9
S 10	9 4 45	18° 6'25	23°12	21°24	29°44	27°D29	12°49	5° 0	6° 8	24° 8	9° 7	4°55	4°19	15°41	n.a.	S 10
M11	9 8 41	19° 6'10	5♋16	22° 5	0♈53	27°30	12°43	5° 7	6° 5	24° 6	9° 8	4°57	4°16	15°48	n.a.	M11
T 12	9 12 38	20° 5'52	17°11	22°51	2° 2	27°31	12°38	5°14	6° 3	24° 5	9° 9	4°58	4°13	15°55	n.a.	T 12
W13	9 16 34	21° 5'33	29° 2	23°40	3°11	27°33	12°33	5°21	6° 0	24° 3	9°10	4°R58	4°10	16° 1	n.a.	W13
T 14	9 20 31	22° 5'11	10♌50	24°32	4°20	27°36	12°29	5°28	5°58	24° 2	9°11	4°58	4° 7	16° 8	n.a.	T 14
F 15	9 24 28	23° 4'46	22°37	25°27	5°28	27°40	12°24	5°36	5°55	24° 0	9°12	4°57	4° 3	16°15	n.a.	F 15
S 16	9 28 24	24° 4'20	4♍27	26°25	6°36	27°44	12°19	5°43	5°53	23°59	9°13	4°56	4° 0	16°21	n.a.	S 16
S 17	9 32 21	25° 3'52	16°22	27°26	7°44	27°49	12°15	5°50	5°50	23°57	9°14	4°53	3°57	16°28	n.a.	S 17
M18	9 36 17	26° 3'21	28°22	28°30	8°52	27°55	12°11	5°57	5°48	23°56	9°15	4°49	3°54	16°34	n.a.	M18
T 19	9 40 14	27° 2'48	10♎31	29°35	10° 0	28° 1	12° 7	6° 4	5°45	23°55	9°15	4°46	3°51	16°41	n.a.	T 19
W20	9 44 10	28° 2'14	22°51	0♒44	11° 7	28° 8	12° 3	6°11	5°43	23°53	9°16	4°42	3°48	16°48	n.a.	W20
T 21	9 48 7	29° 1'37	5♏24	1°54	12°15	28°15	12° 0	6°18	5°40	23°52	9°17	4°40	3°44	16°54	n.a.	T 21
F 22	9 52 3	0♓ 0'59	18°14	3° 7	13°22	28°23	11°57	6°25	5°38	23°51	9°17	4°38	3°41	17° 1	n.a.	F 22
S 23	9 56 0	1° 0'19	1♐23	4°21	14°29	28°32	11°53	6°32	5°35	23°49	9°18	4°D37	3°38	17° 8	n.a.	S 23
S 24	9 59 57	1°59'37	14°53	5°38	15°35	28°41	11°50	6°39	5°33	23°48	9°19	4°38	3°35	17°14	n.a.	S 24
M25	10 3 53	2°58'53	28°48	6°56	16°42	28°51	11°47	6°46	5°30	23°47	9°19	4°39	3°32	17°21	n.a.	M25
T 26	10 7 50	3°58'08	13♑ 6	8°16	17°48	29° 1	11°45	6°52	5°27	23°46	9°20	4°41	3°28	17°28	n.a.	T 26
W27	10 11 46	4°57'20	27°46	9°38	18°54	29°12	11°42	6°59	5°25	23°45	9°20	4°R42	3°25	17°34	n.a.	W27
T 28	10 15 43	5♓56'31	12♒43	11♒ 1	20♈ 0	29♊24	11♋40	7♒ 6	5♍22	23♋43	9♐21	4♌42	3♌22	17♌41	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18s11	16s21	1s22	19s56	2n29	4s28	0s11	27n36	3n54	23n52	0n52	20s36	1s 8	10n 0	0n49	21n45	0n16	18s 7	3n59	19n15	19n17	17n28		n.a.	
S 2	17 55	12 17	2 39	20 9	2 16	3 57	0 8	27 34	3 52	23 53	0 52	20 35	1 8	10 0	0 49	21 46	0 16	18 7	3 59	19 15	19 18	17 27		n.a.	
S 3	17 38	7 30	3 45	20 22	2 3	3 25	0 4	27 33	3 51	23 53	0 52	20 33	1 8	10 1	0 49	21 46	0 16	18 7	3 59	19 15	19 19	17 26		n.a.	
M 4	17 22	2 25	4 34	20 34	1 50	2 54	0 0	27 31	3 49	23 54	0 52	20 31	1 8	10 2	0 49	21 46	0 16	18 8	3 59	19 16	19 20	17 24		n.a.	
T 5	17 5	2n39	5 5	20 45	1 37	2 22	0n 4	27 29	3 47	23 55	0 52	20 30	1 9	10 3	0 49	21 46	0 16	18 8	3 59	19 16	19 20	17 23		n.a.	
W 6	16 47	7 26	5 17	20 56	1 24	1 51	0 8	27 28	3 46	23 55	0 52	20 28	1 9	10 4	0 49	21 47	0 16	18 8	3 59	19 16	19 21	17 22		n.a.	
T 7	16 29	11 42	5 12	21 5	1 11	1 19	0 12	27 26	3 44	23 56	0 52	20 26	1 9	10 5	0 49	21 47	0 16	18 8	3 59	19 16	19 22	17 21		n.a.	
F 8	16 12	15 18	4 52	21 13	0 58	0 48	0 16	27 24	3 42	23 57	0 52	20 25	1 9	10 6	0 49	21 47	0 16	18 8	3 59	19 16	19 23	17 20		n.a.	
S 9	15 53	18 6	4 17	21 20	0 46	0 16	0 20	27 23	3 41	23 57	0 52	20 23	1 9	10 7	0 49	21 48	0 16	18 8	3 59	19 16	19 23	17 19		n.a.	
S 10	15 35	20 1	3 32	21 26	0 34	0n16	0 24	27 21	3 39	23 58	0 52	20 21	1 9	10 7	0 49	21 48	0 16	18 9	3 59	19 16	19 24	17 17		n.a.	
M11	15 16	20 59	2 38	21 31	0 22	0 47	0 28	27 19	3 37	23 58	0 52	20 20	1 9	10 8	0 49	21 48	0 16	18 9	3 59	19 15	19 25	17 16		n.a.	
T 12	14 57	21 0	1 37	21 35	0 11	1 19	0 32	27 18	3 36	23 59	0 52	20 18	1 9	10 9	0 49	21 48	0 16	18 9	3 59	19 15	19 26	17 15		n.a.	
W13	14 38	20 3	0 33	21 38	0s 0	1 50	0 36	27 16	3 34	23 59	0 52	20 16	1 9	10 10	0 49	21 49	0 16	18 9	3 59	19 15	19 27	17 14		n.a.	
T 14	14 19	18 14	0n32	21 39	0 11	2 22	0 41	27 14	3 32	24 0	0 52	20 15	1 9	10 11	0 49	21 49	0 16	18 9	3 59	19 15	19 27	17 13		n.a.	
F 15	13 59	15 39	1 36	21 39	0 21	2 53	0 45	27 13	3 31	24 0	0 52	20 13	1 9	10 12	0 49	21 49	0 16	18 9	3 59	19 15	19 28	17 11		n.a.	
S 16	13 39	12 24	2 36	21 38	0 31	3 24	0 49	27 11	3 29	24 1	0 52	20 11	1 10	10 13	0 49	21 49	0 16	18 9	3 59	19 15	19 29	17 10		n.a.	
S 17	13 19	8 39	3 29	21 35	0 41	3 55	0 53	27 9	3 27	24 1	0 52	20 10	1 10	10 14	0 49	21 50	0 16	18 9	3 59	19 16	19 30	17 9		n.a.	
M18	12 59	4 32	4 14	21 31	0 50	4 26	0 58	27 8	3 26	24 1	0 52	20 8	1 10	10 15	0 49	21 50	0 16	18 9	3 59	19 17	19 30	17 8		n.a.	
T 19	12 38	0 11	4 47	21 26	0 59	4 57	1 2	27 6	3 24	24 2	0 52	20 6	1 10	10 16	0 49	21 50	0 16	18 10	3 59	19 18	19 31	17 7		n.a.	
W20	12 18	4s13	5 8	21 19	1 7	5 28	1 7	27 5	3 22	24 2	0 52	20 4	1 10	10 17	0 49	21 50	0 16	18 10	3 59	19 19	19 32	17 5		n.a.	
T 21	11 57	8 32	5 15	21 11	1 15	5 59	1 11	27 3	3 20	24 2	0 52	20 3	1 10	10 18	0 49	21 51	0 16	18 10	3 59	19 19	19 33	17 4		n.a.	
F 22	11 36	12 34	5 6	21 1	1 22	6 29	1 15	27 1	3 19	24 3	0 52	20 1	1 10	10 19	0 49	21 51	0 16	18 10	3 59	19 20	19 33	17 3		n.a.	
S 23	11 15	16 5	4 41	20 50	1 29	7 0	1 20	27 0	3 17	24 3	0 52	20 0	1 10	10 20	0 49	21 51	0 16	18 10	3 59	19 20	19 34	17 2		n.a.	
S 24	10 53	18 52	4 0	20 38	1 36	7 30	1 24	26 58	3 15	24 3	0 52	19 58	1 10	10 21	0 49	21 51	0 16	18 10	3 59	19 20	19 35	17 1		n.a.	
M25	10 32	20 38	3 5	20 24	1 42	8 0	1 29	26 57	3 14	24 3	0 52	19 56	1 10	10 22	0 49	21 52	0 16	18 10	3 59	19 19	19 36	16 59		n.a.	
T 26	10 10	21 9	1 56	20 8	1 48	8 30	1 33	26 55	3 12	24 4	0 52	19 55	1 11	10 23	0 49	21 52	0 16	18 10	3 59	19 19	19 36	16 58		n.a.	
W27	9 48	20 14	0 38	19 52	1 53	8 59	1 38	26 53	3 10	24 4	0 52	19 53	1 11	10 24	0 49	21 52	0 16	18 10	3 59	19 19	19 37	16 57		n.a.	
T 28	9s26	17s53	0s44	19s33	1s58	9n29	1n42	26n52	3n 9	24n 4	0n52	19s51	1s11	10n25	0n49	21n52	0n16	18s10	3n59	19n19	19n38	16n56		n.a.	

Julian Day Number = 1642560.5, Delta T = 03h35m34s
Ecliptic obliquity = 23°43'12, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°03'00, Lahiri = - 6°56'00 Julian Calendar 1 Feb. 216 BCE == Greg. Calendar 28 Jan. 216 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

MARCH 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 19 39	6♓55'39	27♒51	12♒27	21♈ 6	29♊36	11°R38	7♒13	5°R20	23°R42	9♐21	4°R40	3♌19	17♌48	n.a.	F 1
S 2	10 23 36	7°54'45	13♓ 0	13°53	22°11	29°49	11♋36	7°19	5♍17	23♋41	9°22	4♌37	3°16	17°54	n.a.	S 2
S 3	10 27 32	8°53'49	28° 2	15°22	23°16	0♋ 2	11°34	7°26	5°14	23°40	9°22	4°32	3°13	18° 1	n.a.	S 3
M 4	10 31 29	9°52'51	12♈46	16°52	24°21	0°15	11°33	7°33	5°12	23°39	9°23	4°27	3° 9	18° 8	n.a.	M 4
T 5	10 35 25	10°51'51	27° 6	18°23	25°26	0°29	11°31	7°39	5° 9	23°38	9°23	4°22	3° 6	18°14	n.a.	T 5
W 6	10 39 22	11°50'48	10♉58	19°56	26°30	0°44	11°30	7°46	5° 7	23°37	9°23	4°17	3° 3	18°21	n.a.	W 6
T 7	10 43 19	12°49'43	24°21	21°31	27°34	0°59	11°29	7°52	5° 4	23°36	9°23	4°14	3° 0	18°28	n.a.	T 7
F 8	10 47 15	13°48'35	7♊18	23° 7	28°38	1°15	11°28	7°59	5° 1	23°35	9°24	4°12	2°57	18°34	n.a.	F 8
S 9	10 51 12	14°47'25	19°51	24°45	29°41	1°31	11°28	8° 5	4°59	23°34	9°24	4°D12	2°54	18°41	n.a.	S 9
S 10	10 55 8	15°46'13	2♋ 6	26°24	0♉44	1°47	11°27	8°12	4°56	23°33	9°24	4°13	2°50	18°47	n.a.	S 10
M11	10 59 5	16°44'59	14° 6	28° 5	1°47	2° 4	11°27	8°18	4°54	23°32	9°24	4°15	2°47	18°54	n.a.	M11
T 12	11 3 1	17°43'42	25°58	29°47	2°50	2°21	11°D27	8°24	4°51	23°31	9°24	4°16	2°44	19° 1	n.a.	T 12
W13	11 6 58	18°42'22	7♌45	1♓31	3°52	2°39	11°27	8°30	4°49	23°31	9°24	4°R16	2°41	19° 7	n.a.	W13
T 14	11 10 54	19°41'01	19°32	3°16	4°54	2°57	11°28	8°37	4°46	23°30	9°24	4°15	2°38	19°14	n.a.	T 14
F 15	11 14 51	20°39'37	1♍21	5° 3	5°56	3°16	11°28	8°43	4°44	23°29	9°R25	4°12	2°34	19°21	n.a.	F 15
S 16	11 18 48	21°38'11	13°17	6°51	6°57	3°35	11°29	8°49	4°41	23°28	9°25	4° 6	2°31	19°27	n.a.	S 16
S 17	11 22 44	22°36'43	25°20	8°41	7°58	3°54	11°30	8°55	4°39	23°28	9°24	3°59	2°28	19°34	n.a.	S 17
M18	11 26 41	23°35'13	7♎32	10°33	8°58	4°14	11°31	9° 1	4°37	23°27	9°24	3°50	2°25	19°41	n.a.	M18
T 19	11 30 37	24°33'41	19°54	12°26	9°58	4°34	11°32	9° 7	4°34	23°26	9°24	3°40	2°22	19°47	n.a.	T 19
W20	11 34 34	25°32'08	2♏27	14°21	10°58	4°54	11°34	9°12	4°32	23°26	9°24	3°31	2°19	19°54	n.a.	W20
T 21	11 38 30	26°30'32	15°12	16°17	11°57	5°15	11°35	9°18	4°29	23°25	9°24	3°24	2°15	20° 1	n.a.	T 21
F 22	11 42 27	27°28'55	28°11	18°15	12°56	5°36	11°37	9°24	4°27	23°25	9°24	3°18	2°12	20° 7	n.a.	F 22
S 23	11 46 23	28°27'16	11♐23	20°14	13°54	5°57	11°39	9°30	4°25	23°24	9°24	3°14	2° 9	20°14	n.a.	S 23
S 24	11 50 20	29°25'35	24°52	22°15	14°52	6°19	11°41	9°35	4°23	23°24	9°23	3°D13	2° 6	20°21	n.a.	S 24
M25	11 54 16	0♈23'53	8♑38	24°17	15°49	6°41	11°44	9°41	4°20	23°23	9°23	3°13	2° 3	20°27	n.a.	M25
T 26	11 58 13	1°22'09	22°42	26°21	16°46	7° 3	11°46	9°46	4°18	23°23	9°23	3°14	2° 0	20°34	n.a.	T 26
W27	12 2 10	2°20'24	7♒ 4	28°26	17°43	7°26	11°49	9°52	4°16	23°22	9°22	3°R14	1°56	20°41	n.a.	W27
T 28	12 6 6	3°18'37	21°42	0♈32	18°39	7°49	11°52	9°57	4°14	23°22	9°22	3°12	1°53	20°47	n.a.	T 28
F 29	12 10 3	4°16'49	6♓31	2°39	19°34	8°12	11°55	10° 3	4°12	23°22	9°22	3° 9	1°50	20°54	n.a.	F 29
S 30	12 13 59	5°14'58	21°25	4°47	20°29	8°36	11°58	10° 8	4° 9	23°21	9°21	3° 3	1°47	21° 0	n.a.	S 30
S 31	12 17 56	6♈13'06	6♈16	6♈56	21♉24	8♋59	12♋ 1	10♒13	4♍ 7	23♋21	9♐21	2♌54	1♌44	21♌ 7	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s 4	14s17	2s 3	19s13	2s 2	9n58	1n46	26n50	3n 7	24n 4	0n52	19s50	1s11	10n26	0n49	21n52	0n16	18s10	3n59	19n19	19n39	16n54		n.a.
S 2	8 42	9 44	3 14	18 51	2 6	10 27	1 51	26 49	3 5	24 4	0 52	19 48	1 11	10 27	0 49	21 53	0 16	18 10	3 59	19 20	19 39	16 53		n.a.
S 3	8 20	4 37	4 11	18 28	2 9	10 56	1 55	26 47	3 4	24 4	0 52	19 46	1 11	10 28	0 49	21 53	0 16	18 10	3 59	19 21	19 40	16 52		n.a.
M 4	7 57	0n39	4 50	18 4	2 12	11 24	2 0	26 45	3 2	24 4	0 52	19 45	1 11	10 28	0 49	21 53	0 16	18 10	3 59	19 22	19 41	16 51		n.a.
T 5	7 35	5 45	5 9	17 37	2 15	11 52	2 4	26 44	3 1	24 5	0 52	19 43	1 11	10 29	0 49	21 53	0 16	18 10	3 59	19 24	19 42	16 49		n.a.
W 6	7 12	10 23	5 10	17 10	2 17	12 20	2 9	26 42	2 59	24 5	0 52	19 42	1 12	10 30	0 49	21 53	0 16	18 10	3 59	19 25	19 42	16 48		n.a.
T 7	6 49	14 21	4 53	16 40	2 18	12 47	2 13	26 40	2 57	24 5	0 52	19 40	1 12	10 31	0 49	21 54	0 16	18 10	3 59	19 26	19 43	16 47		n.a.
F 8	6 26	17 29	4 21	16 9	2 19	13 15	2 17	26 39	2 56	24 5	0 52	19 39	1 12	10 32	0 49	21 54	0 16	18 10	4 0	19 26	19 44	16 45		n.a.
S 9	6 3	19 42	3 38	15 37	2 20	13 42	2 22	26 37	2 54	24 5	0 52	19 37	1 12	10 33	0 49	21 54	0 16	18 10	4 0	19 26	19 45	16 44		n.a.
S 10	5 40	20 56	2 46	15 3	2 20	14 8	2 26	26 35	2 53	24 5	0 52	19 35	1 12	10 34	0 49	21 54	0 16	18 10	4 0	19 26	19 45	16 43		n.a.
M11	5 17	21 11	1 48	14 27	2 19	14 35	2 30	26 33	2 51	24 5	0 52	19 34	1 12	10 35	0 49	21 54	0 16	18 10	4 0	19 25	19 46	16 42		n.a.
T 12	4 54	20 28	0 45	13 50	2 18	15 1	2 34	26 31	2 50	24 5	0 52	19 32	1 12	10 36	0 49	21 54	0 16	18 10	4 0	19 25	19 47	16 40		n.a.
W13	4 31	18 51	0n19	13 11	2 17	15 26	2 38	26 30	2 48	24 5	0 52	19 31	1 13	10 37	0 49	21 55	0 16	18 10	4 0	19 25	19 47	16 39		n.a.
T 14	4 8	16 26	1 22	12 31	2 15	15 51	2 43	26 28	2 47	24 5	0 52	19 29	1 13	10 38	0 49	21 55	0 16	18 10	4 0	19 25	19 48	16 38		n.a.
F 15	3 45	13 19	2 21	11 49	2 12	16 16	2 47	26 26	2 45	24 4	0 52	19 28	1 13	10 39	0 49	21 55	0 16	18 10	4 0	19 26	19 49	16 36		n.a.
S 16	3 21	9 38	3 15	11 6	2 9	16 41	2 51	26 24	2 44	24 4	0 51	19 26	1 13	10 40	0 49	21 55	0 16	18 10	4 0	19 27	19 50	16 35		n.a.
S 17	2 58	5 33	4 0	10 21	2 6	17 5	2 55	26 22	2 42	24 4	0 51	19 25	1 13	10 40	0 49	21 55	0 16	18 10	4 0	19 29	19 50	16 34		n.a.
M18	2 35	1 11	4 35	9 34	2 2	17 28	2 59	26 20	2 41	24 4	0 51	19 23	1 13	10 41	0 49	21 55	0 16	18 10	4 0	19 31	19 51	16 32		n.a.
T 19	2 11	3s17	4 58	8 46	1 57	17 51	3 3	26 17	2 39	24 4	0 51	19 22	1 13	10 42	0 49	21 55	0 16	18 10	4 0	19 34	19 52	16 31		n.a.
W20	1 48	7 40	5 6	7 57	1 52	18 14	3 6	26 15	2 38	24 4	0 51	19 21	1 14	10 43	0 49	21 55	0 16	18 10	4 0	19 36	19 53	16 30		n.a.
T 21	1 24	11 48	5 0	7 6	1 46	18 37	3 10	26 13	2 36	24 3	0 51	19 19	1 14	10 44	0 49	21 55	0 16	18 10	4 0	19 38	19 53	16 28		n.a.
F 22	1 1	15 28	4 38	6 14	1 40	18 58	3 14	26 11	2 35	24 3	0 51	19 18	1 14	10 45	0 49	21 56	0 16	18 10	4 0	19 39	19 54	16 27		n.a.
S 23	0 37	18 25	4 2	5 20	1 33	19 20	3 18	26 8	2 33	24 3	0 51	19 16	1 14	10 46	0 49	21 56	0 16	18 10	4 0	19 40	19 55	16 26		n.a.
S 24	0 14	20 26	3 11	4 25	1 26	19 41	3 21	26 6	2 32	24 3	0 51	19 15	1 14	10 46	0 49	21 56	0 16	18 10	4 0	19 40	19 55	16 24		n.a.
M25	0n10	21 18	2 8	3 29	1 18	20 1	3 25	26 3	2 31	24 3	0 51	19 14	1 14	10 47	0 49	21 56	0 16	18 10	4 0	19 40	19 56	16 23		n.a.
T 26	0 33	20 52	0 56	2 32	1 10	20 22	3 28	26 1	2 29	24 2	0 51	19 12	1 15	10 48	0 49	21 56	0 16	18 10	4 0	19 40	19 57	16 22		n.a.
W27	0 56	19 3	0s21	1 34	1 1	20 41	3 31	25 58	2 28	24 2	0 51	19 11	1 15	10 49	0 49	21 56	0 16	18 10	4 0	19 40	19 58	16 20		n.a.
T 28	1 20	15 58	1 37	0 35	0 52	21 0	3 34	25 56	2 27	24 2	0 51	19 10	1 15	10 50	0 49	21 56	0 16	18 10	4 0	19 40	19 58	16 19		n.a.
F 29	1 43	11 49	2 48	0n25	0 42	21 19	3 37	25 53	2 25	24 1	0 51	19 8	1 15	10 50	0 49	21 56	0 16	18 10	4 0	19 41	19 59	16 17		n.a.
S 30	2 7	6 55	3 48	1 26	0 33	21 37	3 40	25 50	2 24	24 1	0 51	19 7	1 15	10 51	0 49	21 56	0 16	18 10	4 0	19 42	20 0	16 16		n.a.
S 31	2n30	1s38	4s32	2n26	0s22	21n55	3n43	25n47	2n23	24n 1	0n51	19s 6	1s15	10n52	0n49	21n56	0n16	18s 9	4n 0	19n44	20n 1	16n15		n.a.

Julian Day Number = 1642588.5, Delta T = 03h35m33s
Ecliptic obliquity = 23°43'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'56, Lahiri = - 6°55'56 Julian Calendar 1 March 216 BCE == Greg. Calendar 25 Feb. 216 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

APRIL 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 21 52	7♈11'12	20♈54	9♈ 5	22♉17	9♋24	12♋ 5	10♒18	4°R 5	23°R21	9°R20	2°R45	1♌40	21♌14	n.a.	M 1
T 2	12 25 49	8° 9'16	5♉13	11°14	23°11	9°48	12° 9	10°23	4♍ 3	23♋21	9♐20	2♌34	1°37	21°20	n.a.	T 2
W 3	12 29 45	9° 7'19	19° 8	13°24	24° 3	10°13	12°13	10°28	4° 1	23°20	9°19	2°25	1°34	21°27	n.a.	W 3
T 4	12 33 42	10° 5'19	2♊35	15°33	24°55	10°38	12°17	10°33	3°59	23°20	9°19	2°18	1°31	21°34	n.a.	T 4
F 5	12 37 39	11° 3'18	15°35	17°41	25°46	11° 3	12°21	10°38	3°58	23°20	9°18	2°13	1°28	21°40	n.a.	F 5
S 6	12 41 35	12° 1'14	28°11	19°49	26°37	11°28	12°25	10°43	3°56	23°20	9°17	2°10	1°25	21°47	n.a.	S 6
S 7	12 45 32	12°59'09	10♋27	21°56	27°27	11°54	12°30	10°47	3°54	23°20	9°17	2°D 9	1°21	21°54	n.a.	S 7
M 8	12 49 28	13°57'02	22°29	24° 1	28°16	12°20	12°35	10°52	3°52	23°D20	9°16	2° 9	1°18	22° 0	n.a.	M 8
T 9	12 53 25	14°54'53	4♌20	26° 4	29° 4	12°46	12°40	10°56	3°50	23°20	9°15	2°R10	1°15	22° 7	n.a.	T 9
W10	12 57 21	15°52'42	16° 8	28° 5	29°51	13°12	12°45	11° 1	3°49	23°20	9°15	2° 9	1°12	22°14	n.a.	W10
T 11	13 1 18	16°50'29	27°56	0♌ 4	0♊38	13°39	12°50	11° 5	3°47	23°20	9°14	2° 6	1° 9	22°20	n.a.	T 11
F 12	13 5 14	17°48'15	9♍50	2° 1	1°24	14° 6	12°55	11°10	3°45	23°20	9°13	2° 1	1° 5	22°27	n.a.	F 12
S 13	13 9 11	18°45'58	21°52	3°55	2° 8	14°33	13° 1	11°14	3°44	23°21	9°12	1°53	1° 2	22°34	n.a.	S 13
S 14	13 13 7	19°43'41	4♎ 5	5°46	2°52	15° 0	13° 6	11°18	3°42	23°21	9°12	1°42	0°59	22°40	n.a.	S 14
M15	13 17 4	20°41'21	16°31	7°34	3°35	15°27	13°12	11°22	3°41	23°21	9°11	1°30	0°56	22°47	n.a.	M15
T 16	13 21 1	21°39'00	29° 9	9°20	4°17	15°55	13°18	11°26	3°39	23°21	9°10	1°17	0°53	22°54	n.a.	T 16
W17	13 24 57	22°36'38	12♏ 1	11° 2	4°58	16°23	13°24	11°30	3°38	23°22	9° 9	1° 5	0°50	23° 0	n.a.	W17
T 18	13 28 54	23°34'14	25° 6	12°41	5°38	16°51	13°30	11°34	3°36	23°22	9° 8	0°54	0°46	23° 7	n.a.	T 18
F 19	13 32 50	24°31'50	8♐21	14°17	6°16	17°19	13°37	11°38	3°35	23°22	9° 7	0°46	0°43	23°14	n.a.	F 19
S 20	13 36 47	25°29'24	21°48	15°49	6°54	17°47	13°43	11°41	3°34	23°23	9° 6	0°40	0°40	23°20	n.a.	S 20
S 21	13 40 43	26°26'57	5♑26	17°18	7°30	18°16	13°50	11°45	3°32	23°23	9° 5	0°37	0°37	23°27	n.a.	S 21
M22	13 44 40	27°24'29	19°14	18°44	8° 5	18°45	13°57	11°48	3°31	23°23	9° 4	0°36	0°34	23°34	n.a.	M22
T 23	13 48 36	28°22'01	3♒13	20° 7	8°38	19°14	14° 4	11°52	3°30	23°24	9° 3	0°36	0°31	23°40	n.a.	T 23
W24	13 52 33	29°19'31	17°23	21°25	9°11	19°43	14°11	11°55	3°29	23°24	9° 2	0°35	0°27	23°47	n.a.	W24
T 25	13 56 30	0♉17'00	1♓43	22°41	9°42	20°12	14°18	11°58	3°28	23°25	9° 1	0°33	0°24	23°54	n.a.	T 25
F 26	14 0 26	1°14'28	16°10	23°53	10°11	20°42	14°25	12° 1	3°27	23°26	9° 0	0°29	0°21	24° 0	n.a.	F 26
S 27	14 4 23	2°11'56	0♈40	25° 1	10°39	21°11	14°33	12° 4	3°26	23°26	8°59	0°22	0°18	24° 7	n.a.	S 27
S 28	14 8 19	3° 9'22	15° 8	26° 5	11° 5	21°41	14°40	12° 7	3°25	23°27	8°57	0°12	0°15	24°14	n.a.	S 28
M29	14 12 16	4° 6'48	29°27	27° 6	11°30	22°11	14°48	12°10	3°24	23°28	8°56	0° 1	0°11	24°20	n.a.	M29
T 30	14 16 12	5♉ 4'12	13♉31	28♉ 3	11♊53	22♋41	14♋56	12♒13	3♍23	23♋28	8♐55	29♋49	0♌ 8	24♌27	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n53	3n40	4s57	3n27	0s12	22n12	3n46	25n44	2n21	24n 0	0n51	19s 5	1s16	10n53	0n49	21n56	0n16	18s 9	4n 0	19n47	20n 1	16n13		n.a.
T 2	3 16	8 39	5 3	4 28	0 1	22 28	3 49	25 41	2 20	24 0	0 51	19 3	1 16	10 53	0 49	21 56	0 16	18 9	4 0	19 49	20 2	16 12		n.a.
W 3	3 39	13 3	4 51	5 29	0n 9	22 44	3 51	25 38	2 19	23 59	0 51	19 2	1 16	10 54	0 49	21 56	0 16	18 9	4 0	19 51	20 3	16 11		n.a.
T 4	4 2	16 38	4 23	6 30	0 20	23 0	3 54	25 34	2 17	23 59	0 50	19 1	1 16	10 55	0 49	21 56	0 16	18 9	4 0	19 53	20 3	16 9		n.a.
F 5	4 25	19 16	3 42	7 30	0 31	23 15	3 56	25 31	2 16	23 59	0 50	19 0	1 16	10 55	0 49	21 56	0 16	18 9	4 0	19 54	20 4	16 8		n.a.
S 6	4 48	20 52	2 51	8 29	0 41	23 29	3 58	25 27	2 15	23 58	0 50	18 59	1 16	10 56	0 48	21 56	0 16	18 9	4 0	19 54	20 5	16 6		n.a.
S 7	5 11	21 26	1 53	9 26	0 52	23 43	4 0	25 24	2 14	23 58	0 50	18 58	1 17	10 57	0 48	21 56	0 16	18 9	4 0	19 55	20 5	16 5		n.a.
M 8	5 34	20 59	0 51	10 23	1 2	23 56	4 2	25 20	2 12	23 57	0 50	18 56	1 17	10 57	0 48	21 56	0 16	18 9	4 0	19 55	20 6	16 4		n.a.
T 9	5 57	19 35	0n12	11 18	1 12	24 9	4 4	25 16	2 11	23 57	0 50	18 55	1 17	10 58	0 48	21 56	0 16	18 9	4 0	19 55	20 7	16 2		n.a.
W10	6 19	17 21	1 14	12 11	1 21	24 21	4 6	25 13	2 10	23 56	0 50	18 54	1 17	10 59	0 48	21 56	0 16	18 8	4 0	19 55	20 8	16 1		n.a.
T 11	6 42	14 24	2 12	13 2	1 31	24 33	4 7	25 9	2 9	23 55	0 50	18 53	1 17	10 59	0 48	21 56	0 16	18 8	4 0	19 55	20 8	15 59		n.a.
F 12	7 4	10 50	3 6	13 52	1 39	24 44	4 8	25 5	2 7	23 55	0 50	18 52	1 18	11 0	0 48	21 56	0 16	18 8	4 0	19 57	20 9	15 58		n.a.
S 13	7 26	6 48	3 51	14 39	1 47	24 54	4 9	25 0	2 6	23 54	0 50	18 51	1 18	11 0	0 48	21 56	0 16	18 8	4 0	19 58	20 10	15 56		n.a.
S 14	7 48	2 26	4 27	15 24	1 54	25 4	4 10	24 56	2 5	23 54	0 50	18 50	1 18	11 1	0 48	21 56	0 16	18 8	4 0	20 1	20 10	15 55		n.a.
M15	8 10	2s 6	4 51	16 6	2 1	25 13	4 11	24 52	2 4	23 53	0 50	18 49	1 18	11 1	0 48	21 56	0 16	18 8	4 0	20 3	20 11	15 54		n.a.
T 16	8 32	6 37	5 0	16 47	2 7	25 22	4 12	24 47	2 3	23 52	0 50	18 48	1 18	11 2	0 48	21 56	0 16	18 8	4 0	20 6	20 12	15 52		n.a.
W17	8 54	10 56	4 55	17 24	2 13	25 30	4 12	24 43	2 2	23 52	0 50	18 47	1 18	11 2	0 48	21 56	0 16	18 8	4 0	20 9	20 13	15 51		n.a.
T 18	9 15	14 49	4 35	18 0	2 17	25 37	4 12	24 38	2 0	23 51	0 50	18 47	1 19	11 3	0 48	21 56	0 16	18 7	4 0	20 12	20 13	15 49		n.a.
F 19	9 37	18 1	3 59	18 33	2 21	25 44	4 12	24 33	1 59	23 50	0 50	18 46	1 19	11 3	0 48	21 56	0 16	18 7	4 0	20 13	20 14	15 48		n.a.
S 20	9 58	20 18	3 10	19 4	2 24	25 51	4 12	24 28	1 58	23 50	0 50	18 45	1 19	11 4	0 48	21 56	0 16	18 7	4 0	20 15	20 15	15 46		n.a.
S 21	10 19	21 28	2 9	19 32	2 26	25 56	4 11	24 23	1 57	23 49	0 50	18 44	1 19	11 4	0 48	21 56	0 16	18 7	4 0	20 15	20 15	15 45		n.a.
M22	10 40	21 20	1 0	19 58	2 28	26 1	4 10	24 18	1 56	23 48	0 50	18 43	1 19	11 5	0 48	21 56	0 16	18 7	4 0	20 16	20 16	15 43		n.a.
T 23	11 1	19 53	0s14	20 21	2 28	26 6	4 9	24 13	1 55	23 47	0 50	18 42	1 20	11 5	0 48	21 56	0 16	18 7	4 0	20 16	20 17	15 42		n.a.
W24	11 22	17 12	1 28	20 42	2 28	26 10	4 8	24 8	1 54	23 47	0 49	18 42	1 20	11 5	0 48	21 56	0 16	18 7	4 0	20 16	20 17	15 40		n.a.
T 25	11 42	13 25	2 37	21 1	2 27	26 13	4 6	24 2	1 52	23 46	0 49	18 41	1 20	11 6	0 48	21 56	0 16	18 7	4 0	20 16	20 18	15 39		n.a.
F 26	12 3	8 50	3 36	21 18	2 25	26 16	4 4	23 56	1 51	23 45	0 49	18 40	1 20	11 6	0 48	21 56	0 16	18 6	4 0	20 17	20 19	15 37		n.a.
S 27	12 23	3 43	4 22	21 32	2 22	26 18	4 2	23 51	1 50	23 44	0 49	18 40	1 20	11 6	0 48	21 55	0 16	18 6	4 0	20 19	20 19	15 36		n.a.
S 28	12 43	1n34	4 50	21 44	2 18	26 19	3 59	23 45	1 49	23 43	0 49	18 39	1 21	11 7	0 48	21 55	0 16	18 6	4 0	20 21	20 20	15 34		n.a.
M29	13 2	6 43	5 1	21 55	2 14	26 20	3 57	23 39	1 48	23 42	0 49	18 38	1 21	11 7	0 48	21 55	0 16	18 6	4 0	20 23	20 21	15 33		n.a.
T 30	13n22	11n26	4s52	22n 2	2n 8	26n20	3n53	23n33	1n47	23n41	0n49	18s38	1s21	11n 7	0n48	21n55	0n16	18s 6	4n 0	20n26	20n22	15n31		n.a.

Julian Day Number = 1642619.5, Delta T = 03h35m32s
Ecliptic obliquity = 23°43'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'52, Lahiri = - 6°55'52 Julian Calendar 1 Apr. 216 BCE == Greg. Calendar 28 March 216 BCE

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

MAY 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 20 9	6♉ 1'36	27♉15	28♉56	12♊14	23♋12	15♋ 4	12♒16	3°R23	23♋29	8°R54	29°R38	0♌ 5	24♌33	n.a.	W 1
T 2	14 24 5	6°58'58	10♊36	29°45	12°34	23°42	15°12	12°18	3♍22	23°30	8♐53	29♋29	0° 2	24°40	n.a.	T 2
F 3	14 28 2	7°56'19	23°34	0♊30	12°51	24°13	15°20	12°21	3°21	23°31	8°51	29°22	29♋59	24°47	n.a.	F 3
S 4	14 31 59	8°53'40	6♋10	1°10	13° 7	24°44	15°28	12°23	3°21	23°31	8°50	29°18	29°56	24°53	n.a.	S 4
S 5	14 35 55	9°50'59	18°27	1°47	13°21	25°15	15°37	12°26	3°20	23°32	8°49	29°16	29°52	25° 0	n.a.	S 5
M 6	14 39 52	10°48'17	0♌29	2°19	13°32	25°46	15°45	12°28	3°20	23°33	8°48	29°D16	29°49	25° 7	n.a.	M 6
T 7	14 43 48	11°45'33	12°22	2°47	13°42	26°17	15°54	12°30	3°19	23°34	8°46	29°R16	29°46	25°13	n.a.	T 7
W 8	14 47 45	12°42'49	24°11	3°11	13°49	26°48	16° 3	12°32	3°19	23°35	8°45	29°16	29°43	25°20	n.a.	W 8
T 9	14 51 41	13°40'04	6♍ 2	3°30	13°54	27°20	16°12	12°34	3°18	23°36	8°44	29°14	29°40	25°27	n.a.	T 9
F 10	14 55 38	14°37'17	17°58	3°44	13°57	27°51	16°21	12°36	3°18	23°37	8°42	29° 9	29°36	25°33	n.a.	F 10
S 11	14 59 34	15°34'30	0♎ 6	3°54	13°R58	28°23	16°30	12°38	3°18	23°38	8°41	29° 3	29°33	25°40	n.a.	S 11
S 12	15 3 31	16°31'42	12°28	3°59	13°56	28°55	16°39	12°39	3°18	23°39	8°40	28°53	29°30	25°47	n.a.	S 12
M13	15 7 28	17°28'52	25° 6	4°R 0	13°52	29°27	16°48	12°41	3°17	23°40	8°38	28°43	29°27	25°53	n.a.	M13
T 14	15 11 24	18°26'03	8♏ 0	3°56	13°45	29°59	16°58	12°42	3°17	23°41	8°37	28°31	29°24	26° 0	n.a.	T 14
W15	15 15 21	19°23'12	21°12	3°48	13°36	0♌32	17° 7	12°44	3°D17	23°42	8°35	28°20	29°21	26° 7	n.a.	W15
T 16	15 19 17	20°20'22	4♐38	3°35	13°25	1° 4	17°17	12°45	3°17	23°44	8°34	28°10	29°17	26°13	n.a.	T 16
F 17	15 23 14	21°17'30	18°17	3°19	13°11	1°37	17°26	12°46	3°17	23°45	8°33	28° 3	29°14	26°20	n.a.	F 17
S 18	15 27 10	22°14'39	2♑ 6	2°59	12°55	2° 9	17°36	12°47	3°18	23°46	8°31	27°58	29°11	26°27	n.a.	S 18
S 19	15 31 7	23°11'47	16° 3	2°35	12°36	2°42	17°46	12°48	3°18	23°47	8°30	27°55	29° 8	26°33	n.a.	S 19
M20	15 35 4	24° 8'55	0♒ 5	2° 8	12°16	3°15	17°56	12°49	3°18	23°49	8°28	27°D55	29° 5	26°40	n.a.	M20
T 21	15 39 0	25° 6'03	14°10	1°39	11°53	3°48	18° 6	12°50	3°18	23°50	8°27	27°55	29° 2	26°47	n.a.	T 21
W22	15 42 57	26° 3'11	28°19	1° 7	11°28	4°21	18°16	12°51	3°19	23°51	8°25	27°R55	28°58	26°53	n.a.	W22
T 23	15 46 53	27° 0'18	12♓29	0°34	11° 1	4°54	18°26	12°51	3°19	23°53	8°24	27°54	28°55	27° 0	n.a.	T 23
F 24	15 50 50	27°57'26	26°39	29♉59	10°32	5°28	18°37	12°52	3°19	23°54	8°22	27°51	28°52	27° 7	n.a.	F 24
S 25	15 54 46	28°54'34	10♈46	29°25	10° 1	6° 1	18°47	12°52	3°20	23°56	8°21	27°46	28°49	27°13	n.a.	S 25
S 26	15 58 43	29°51'42	24°48	28°50	9°29	6°35	18°58	12°52	3°20	23°57	8°19	27°39	28°46	27°20	n.a.	S 26
M27	16 2 39	0♊48'49	8♉41	28°15	8°55	7° 9	19° 8	12°52	3°21	23°58	8°18	27°30	28°42	27°27	n.a.	M27
T 28	16 6 36	1°45'57	22°21	27°42	8°21	7°43	19°19	12°R52	3°22	24° 0	8°16	27°21	28°39	27°33	n.a.	T 28
W29	16 10 33	2°43'05	5♊45	27°11	7°45	8°16	19°29	12°52	3°22	24° 1	8°15	27°12	28°36	27°40	n.a.	W29
T 30	16 14 29	3°40'13	18°52	26°42	7° 9	8°51	19°40	12°52	3°23	24° 3	8°13	27° 5	28°33	27°47	n.a.	T 30
F 31	16 18 26	4♊37'20	1♋39	26♉16	6♊32	9♌25	19♋51	12♒52	3♍24	24♋ 5	8♐12	27♋ 0	28♋30	27♌53	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	13n41	15n27	4s27	22n 8	2n 2	26n19	3n50	23n26	1n46	23n40	0n49	18s37	1s21	11n 7	0n48	21n55	0n16	18s 6	4n 0	20n28	20n22	15n30			n.a.
T 2	14 0	18 33	3 47	22 12	1 55	26 18	3 46	23 20	1 45	23 39	0 49	18 37	1 22	11 8	0 48	21 55	0 16	18 5	4 0	20 30	20 23	15 28			n.a.
F 3	14 19	20 37	2 57	22 14	1 47	26 16	3 42	23 14	1 44	23 38	0 49	18 36	1 22	11 8	0 48	21 55	0 16	18 5	4 0	20 31	20 24	15 27			n.a.
S 4	14 38	21 35	1 59	22 14	1 38	26 14	3 37	23 7	1 43	23 37	0 49	18 36	1 22	11 8	0 47	21 55	0 16	18 5	4 0	20 32	20 24	15 25			n.a.
S 5	14 56	21 29	0 57	22 12	1 29	26 11	3 32	23 0	1 42	23 36	0 49	18 35	1 22	11 8	0 47	21 54	0 16	18 5	4 0	20 33	20 25	15 24			n.a.
M 6	15 14	20 23	0n 6	22 9	1 18	26 7	3 27	22 53	1 41	23 35	0 49	18 35	1 22	11 8	0 47	21 54	0 16	18 5	4 0	20 33	20 26	15 22			n.a.
T 7	15 32	18 24	1 9	22 3	1 7	26 2	3 21	22 46	1 40	23 34	0 49	18 34	1 23	11 8	0 47	21 54	0 16	18 5	4 0	20 33	20 26	15 21			n.a.
W 8	15 50	15 38	2 8	21 56	0 55	25 57	3 15	22 39	1 39	23 33	0 49	18 34	1 23	11 9	0 47	21 54	0 16	18 5	4 0	20 33	20 27	15 19			n.a.
T 9	16 8	12 13	3 2	21 47	0 42	25 51	3 8	22 32	1 38	23 32	0 49	18 34	1 23	11 9	0 47	21 54	0 16	18 4	3 59	20 33	20 28	15 18			n.a.
F 10	16 25	8 18	3 48	21 36	0 28	25 45	3 1	22 25	1 37	23 31	0 49	18 33	1 23	11 9	0 47	21 54	0 16	18 4	3 59	20 34	20 28	15 16			n.a.
S 11	16 42	4 0	4 25	21 24	0 14	25 37	2 54	22 17	1 36	23 30	0 49	18 33	1 23	11 9	0 47	21 53	0 16	18 4	3 59	20 35	20 29	15 15			n.a.
S 12	16 58	0s32	4 50	21 11	0s 1	25 29	2 46	22 10	1 35	23 29	0 49	18 33	1 24	11 9	0 47	21 53	0 16	18 4	3 59	20 37	20 30	15 13			n.a.
M13	17 15	5 9	5 1	20 56	0 16	25 20	2 37	22 2	1 34	23 27	0 49	18 32	1 24	11 9	0 47	21 53	0 16	18 4	3 59	20 40	20 30	15 12			n.a.
T 14	17 31	9 39	4 58	20 39	0 32	25 10	2 28	21 54	1 33	23 26	0 49	18 32	1 24	11 9	0 47	21 53	0 16	18 4	3 59	20 42	20 31	15 10			n.a.
W15	17 47	13 47	4 39	20 22	0 49	25 0	2 19	21 46	1 32	23 25	0 49	18 32	1 24	11 9	0 47	21 53	0 16	18 3	3 59	20 44	20 32	15 9			n.a.
T 16	18 2	17 19	4 4	20 3	1 5	24 49	2 9	21 38	1 31	23 24	0 49	18 32	1 25	11 9	0 47	21 52	0 16	18 3	3 59	20 46	20 32	15 7			n.a.
F 17	18 18	19 58	3 14	19 43	1 22	24 37	1 59	21 30	1 30	23 22	0 49	18 32	1 25	11 9	0 47	21 52	0 16	18 3	3 59	20 48	20 33	15 5			n.a.
S 18	18 33	21 29	2 13	19 23	1 39	24 24	1 48	21 21	1 29	23 21	0 49	18 32	1 25	11 9	0 47	21 52	0 16	18 3	3 59	20 49	20 34	15 4			n.a.
S 19	18 47	21 42	1 3	19 2	1 55	24 11	1 37	21 13	1 28	23 20	0 49	18 32	1 25	11 8	0 47	21 52	0 16	18 3	3 59	20 49	20 34	15 2			n.a.
M20	19 2	20 34	0s12	18 41	2 12	23 56	1 25	21 4	1 27	23 18	0 49	18 32	1 25	11 8	0 47	21 52	0 16	18 3	3 59	20 49	20 35	15 1			n.a.
T 21	19 16	18 8	1 26	18 19	2 28	23 41	1 13	20 55	1 26	23 17	0 49	18 32	1 26	11 8	0 47	21 51	0 16	18 2	3 59	20 49	20 36	14 59			n.a.
W22	19 30	14 37	2 35	17 58	2 43	23 26	1 1	20 46	1 25	23 16	0 49	18 32	1 26	11 8	0 47	21 51	0 16	18 2	3 59	20 49	20 36	14 57			n.a.
T 23	19 43	10 15	3 35	17 36	2 58	23 9	0 48	20 37	1 24	23 14	0 49	18 32	1 26	11 8	0 47	21 51	0 16	18 2	3 59	20 49	20 37	14 56			n.a.
F 24	19 56	5 20	4 21	17 16	3 12	22 52	0 35	20 28	1 23	23 13	0 49	18 32	1 26	11 8	0 47	21 51	0 16	18 2	3 59	20 50	20 38	14 54			n.a.
S 25	20 9	0 9	4 52	16 56	3 25	22 34	0 22	20 19	1 22	23 11	0 49	18 32	1 27	11 7	0 47	21 50	0 16	18 2	3 58	20 51	20 38	14 53			n.a.
S 26	20 21	5n 0	5 5	16 37	3 37	22 16	0 8	20 9	1 21	23 10	0 49	18 32	1 27	11 7	0 47	21 50	0 16	18 2	3 58	20 53	20 39	14 51			n.a.
M27	20 34	9 50	4 59	16 19	3 47	21 57	0s 6	20 0	1 20	23 8	0 49	18 32	1 27	11 7	0 46	21 50	0 16	18 2	3 58	20 54	20 40	14 49			n.a.
T 28	20 45	14 7	4 37	16 2	3 57	21 38	0 19	19 50	1 19	23 7	0 48	18 32	1 27	11 7	0 46	21 50	0 16	18 1	3 58	20 56	20 40	14 48			n.a.
W29	20 57	17 35	3 59	15 48	4 5	21 19	0 33	19 40	1 18	23 5	0 48	18 32	1 27	11 6	0 46	21 49	0 16	18 1	3 58	20 58	20 41	14 46			n.a.
T 30	21 8	20 6	3 10	15 35	4 11	20 59	0 47	19 30	1 18	23 3	0 48	18 33	1 28	11 6	0 46	21 49	0 16	18 1	3 58	20 59	20 42	14 45			n.a.
F 31	21n19	21n31	2s12	15n24	4s16	20n39	1s 2	19n20	1n17	23n 2	0n48	18s33	1s28	11n 6	0n46	21n49	0n16	18s 1	3n58	21n 0	20n42	14n43			n.a.

Julian Day Number = 1642649.5, Delta T = 03h35m31s
Ecliptic obliquity = 23°43'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'48, Lahiri = - 6°55'48 Julian Calendar 1 May 216 BCE == Greg. Calendar 27 Apr. 216 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

JUNE 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 22 22	5♊34'28	14♋ 8	25°R53	5°R54	9♌59	20♋ 2	12°R52	3♍25	24♋ 6	8°R10	26°R57	28♋27	28♌ 0	n.a.	S 1
S 2	16 26 19	6°31'35	26°22	25♉34	5♊17	10°33	20°13	12♒51	3°26	24° 8	8♐ 9	26°D56	28°23	28° 7	n.a.	S 2
M 3	16 30 15	7°28'42	8♌23	25°19	4°40	11° 8	20°24	12°51	3°27	24° 9	8° 7	26♋57	28°20	28°13	n.a.	M 3
T 4	16 34 12	8°25'49	20°16	25° 9	4° 3	11°43	20°35	12°50	3°28	24°11	8° 6	26°58	28°17	28°20	n.a.	T 4
W 5	16 38 8	9°22'56	2♍ 6	25° 3	3°26	12°17	20°47	12°49	3°29	24°13	8° 4	26°59	28°14	28°27	n.a.	W 5
T 6	16 42 5	10°20'03	13°57	25°D 1	2°51	12°52	20°58	12°49	3°30	24°14	8° 3	26°R59	28°11	28°33	n.a.	T 6
F 7	16 46 2	11°17'09	25°55	25° 5	2°17	13°27	21° 9	12°48	3°31	24°16	8° 1	26°58	28° 8	28°40	n.a.	F 7
S 8	16 49 58	12°14'16	8♎ 5	25°14	1°44	14° 2	21°21	12°47	3°32	24°18	8° 0	26°55	28° 4	28°47	n.a.	S 8
S 9	16 53 55	13°11'22	20°31	25°28	1°12	14°37	21°32	12°46	3°34	24°20	7°58	26°50	28° 1	28°53	n.a.	S 9
M10	16 57 51	14° 8'29	3♏16	25°47	0°42	15°12	21°44	12°44	3°35	24°21	7°57	26°44	27°58	29° 0	n.a.	M10
T 11	17 1 48	15° 5'36	16°22	26°11	0°14	15°48	21°55	12°43	3°36	24°23	7°55	26°37	27°55	29° 7	n.a.	T 11
W12	17 5 44	16° 2'43	29°48	26°41	29♉47	16°23	22° 7	12°42	3°38	24°25	7°54	26°31	27°52	29°13	n.a.	W12
T 13	17 9 41	16°59'50	13♐34	27°16	29°23	16°58	22°19	12°40	3°39	24°27	7°52	26°25	27°48	29°20	n.a.	T 13
F 14	17 13 37	17°56'58	27°37	27°56	29° 1	17°34	22°31	12°39	3°41	24°29	7°51	26°21	27°45	29°27	n.a.	F 14
S 15	17 17 34	18°54'06	11♑51	28°41	28°41	18°10	22°42	12°37	3°42	24°31	7°49	26°18	27°42	29°33	n.a.	S 15
S 16	17 21 31	19°51'15	26°12	29°32	28°24	18°45	22°54	12°35	3°44	24°33	7°48	26°D17	27°39	29°40	n.a.	S 16
M17	17 25 27	20°48'25	10♒36	0♊27	28° 8	19°21	23° 6	12°33	3°46	24°34	7°46	26°18	27°36	29°47	n.a.	M17
T 18	17 29 24	21°45'35	24°59	1°27	27°56	19°57	23°18	12°31	3°47	24°36	7°45	26°19	27°33	29°53	n.a.	T 18
W19	17 33 20	22°42'47	9♓17	2°33	27°45	20°33	23°30	12°29	3°49	24°38	7°43	26°20	27°29	29°59	n.a.	W19
T 20	17 37 17	23°39'59	23°28	3°43	27°37	21° 9	23°42	12°27	3°51	24°40	7°42	26°R21	27°26	0♍ 7	n.a.	T 20
F 21	17 41 13	24°37'12	7♈31	4°57	27°32	21°46	23°54	12°25	3°53	24°42	7°40	26°20	27°23	0°13	n.a.	F 21
S 22	17 45 10	25°34'26	21°23	6°17	27°28	22°22	24° 7	12°22	3°55	24°44	7°39	26°18	27°20	0°20	n.a.	S 22
S 23	17 49 7	26°31'41	5♉ 3	7°41	27°D28	22°58	24°19	12°20	3°56	24°46	7°38	26°15	27°17	0°27	n.a.	S 23
M24	17 53 3	27°28'57	18°32	9° 9	27°29	23°35	24°31	12°18	3°58	24°48	7°36	26°11	27°14	0°33	n.a.	M24
T 25	17 57 0	28°26'14	1♊46	10°42	27°33	24°11	24°44	12°15	4° 1	24°50	7°35	26° 7	27°10	0°40	n.a.	T 25
W26	18 0 56	29°23'32	14°47	12°19	27°39	24°48	24°56	12°12	4° 3	24°52	7°33	26° 3	27° 7	0°47	n.a.	W26
T 27	18 4 53	0♋20'52	27°33	13°59	27°47	25°25	25° 8	12°10	4° 5	24°54	7°32	25°59	27° 4	0°53	n.a.	T 27
F 28	18 8 49	1°18'11	10♋ 5	15°44	27°57	26° 2	25°21	12° 7	4° 7	24°56	7°31	25°57	27° 1	1° 0	n.a.	F 28
S 29	18 12 46	2°15'32	22°24	17°31	28° 9	26°39	25°33	12° 4	4° 9	24°59	7°29	25°D56	26°58	1° 7	n.a.	S 29
S 30	18 16 42	3♋12'54	4♌30	19♊22	28♉24	27♌16	25♋46	12♒ 1	4♍11	25♋ 1	7♐28	25♋57	26♋54	1♍13	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n29	21n50	1s 8	15n15	4s20	20n18	1s15	19n10	1n16	23n 0	0n48	18s33	1s28	11n 5	0n46	21n49	0n16	18s 1	3n58	21n 1	20n43	14n41		n.a.
S 2	21 39	21 5	0 3	15 8	4 22	19 58	1 29	19 0	1 15	22 59	0 48	18 34	1 28	11 5	0 46	21 48	0 16	18 1	3 58	21 1	20 44	14 40		n.a.
M 3	21 49	19 22	1n 1	15 4	4 23	19 38	1 43	18 49	1 14	22 57	0 48	18 34	1 29	11 5	0 46	21 48	0 16	18 1	3 58	21 1	20 44	14 38		n.a.
T 4	21 58	16 50	2 3	15 2	4 22	19 18	1 56	18 39	1 13	22 55	0 48	18 34	1 29	11 4	0 46	21 48	0 16	18 0	3 58	21 1	20 45	14 36		n.a.
W 5	22 7	13 37	2 58	15 3	4 20	18 58	2 10	18 28	1 12	22 53	0 48	18 35	1 29	11 4	0 46	21 47	0 16	18 0	3 57	21 0	20 45	14 35		n.a.
T 6	22 16	9 52	3 47	15 5	4 17	18 39	2 22	18 17	1 11	22 52	0 48	18 35	1 29	11 3	0 46	21 47	0 16	18 0	3 57	21 0	20 46	14 33		n.a.
F 7	22 24	5 41	4 25	15 11	4 12	18 20	2 35	18 6	1 10	22 50	0 48	18 36	1 29	11 3	0 46	21 47	0 16	18 0	3 57	21 1	20 47	14 32		n.a.
S 8	22 32	1 14	4 53	15 18	4 7	18 2	2 47	17 55	1 9	22 48	0 48	18 36	1 30	11 2	0 46	21 47	0 16	18 0	3 57	21 1	20 47	14 30		n.a.
S 9	22 39	3s22	5 8	15 28	4 0	17 44	2 58	17 44	1 9	22 46	0 48	18 37	1 30	11 2	0 46	21 46	0 16	18 0	3 57	21 2	20 48	14 28		n.a.
M10	22 46	7 56	5 7	15 40	3 53	17 27	3 10	17 32	1 8	22 44	0 48	18 37	1 30	11 1	0 46	21 46	0 16	18 0	3 57	21 3	20 49	14 27		n.a.
T 11	22 53	12 16	4 51	15 53	3 44	17 11	3 20	17 21	1 7	22 43	0 48	18 38	1 30	11 1	0 46	21 46	0 16	18 0	3 57	21 5	20 49	14 25		n.a.
W12	22 59	16 8	4 19	16 9	3 35	16 55	3 30	17 9	1 6	22 41	0 48	18 39	1 31	11 0	0 46	21 45	0 16	17 59	3 57	21 6	20 50	14 23		n.a.
T 13	23 5	19 12	3 31	16 27	3 25	16 41	3 40	16 58	1 5	22 39	0 48	18 39	1 31	11 0	0 46	21 45	0 16	17 59	3 56	21 7	20 51	14 22		n.a.
F 14	23 10	21 12	2 30	16 46	3 14	16 27	3 49	16 46	1 4	22 37	0 48	18 40	1 31	10 59	0 46	21 45	0 16	17 59	3 56	21 8	20 51	14 20		n.a.
S 15	23 15	21 53	1 18	17 7	3 3	16 15	3 57	16 34	1 3	22 35	0 48	18 41	1 31	10 58	0 46	21 44	0 16	17 59	3 56	21 8	20 52	14 18		n.a.
S 16	23 20	21 9	0 0	17 30	2 51	16 3	4 5	16 22	1 2	22 33	0 48	18 41	1 31	10 58	0 46	21 44	0 16	17 59	3 56	21 8	20 53	14 17		n.a.
M17	23 24	19 1	1s17	17 53	2 39	15 53	4 13	16 10	1 2	22 31	0 48	18 42	1 32	10 57	0 46	21 44	0 16	17 59	3 56	21 8	20 53	14 15		n.a.
T 18	23 28	15 42	2 30	18 18	2 26	15 43	4 19	15 58	1 1	22 29	0 49	18 43	1 32	10 56	0 46	21 43	0 16	17 59	3 56	21 8	20 54	14 13		n.a.
W19	23 31	11 28	3 33	18 44	2 13	15 35	4 26	15 45	1 0	22 27	0 49	18 44	1 32	10 56	0 46	21 43	0 16	17 59	3 56	21 8	20 54	14 11		n.a.
T 20	23 34	6 38	4 23	19 10	2 0	15 27	4 31	15 33	0 59	22 25	0 49	18 44	1 32	10 55	0 46	21 43	0 16	17 59	3 56	21 8	20 55	14 10		n.a.
F 21	23 37	1 31	4 56	19 37	1 47	15 21	4 37	15 20	0 58	22 22	0 49	18 45	1 32	10 54	0 45	21 42	0 16	17 58	3 55	21 8	20 56	14 8		n.a.
S 22	23 39	3n37	5 12	20 5	1 33	15 15	4 41	15 7	0 57	22 20	0 49	18 46	1 33	10 54	0 45	21 42	0 16	17 58	3 55	21 8	20 56	14 6		n.a.
S 23	23 40	8 30	5 9	20 32	1 20	15 11	4 46	14 54	0 56	22 18	0 49	18 47	1 33	10 53	0 45	21 42	0 16	17 58	3 55	21 9	20 57	14 5		n.a.
M24	23 42	12 54	4 50	21 0	1 6	15 8	4 50	14 41	0 56	22 16	0 49	18 48	1 33	10 52	0 45	21 41	0 16	17 58	3 55	21 10	20 58	14 3		n.a.
T 25	23 43	16 36	4 15	21 27	0 53	15 5	4 53	14 28	0 55	22 14	0 49	18 49	1 33	10 51	0 45	21 41	0 16	17 58	3 55	21 10	20 58	14 1		n.a.
W26	23 43	19 25	3 27	21 53	0 39	15 4	4 56	14 15	0 54	22 11	0 49	18 50	1 33	10 51	0 45	21 40	0 16	17 58	3 55	21 11	20 59	13 59		n.a.
T 27	23 43	21 12	2 30	22 19	0 26	15 3	4 58	14 2	0 53	22 9	0 49	18 51	1 34	10 50	0 45	21 40	0 16	17 58	3 55	21 12	20 59	13 58		n.a.
F 28	23 43	21 54	1 26	22 43	0 14	15 3	5 0	13 48	0 52	22 7	0 49	18 52	1 34	10 49	0 45	21 40	0 16	17 58	3 54	21 12	21 0	13 56		n.a.
S 29	23 42	21 31	0 20	23 6	0 1	15 4	5 2	13 35	0 51	22 5	0 49	18 53	1 34	10 48	0 45	21 39	0 16	17 58	3 54	21 12	21 1	13 54		n.a.
S 30	23n41	20n 7	0n47	23n28	0n11	15n 6	5s 4	13n21	0n51	22n 2	0n49	18s54	1s34	10n47	0n45	21n39	0n16	17s58	3n54	21n12	21n 1	13n53		n.a.

Julian Day Number = 1642680.5, Delta T = 03h35m30s
Ecliptic obliquity = 23°43'12, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'44, Lahiri = - 6°55'43 Julian Calendar 1 June 216 BCE == Greg. Calendar 28 May 216 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

JULY 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 20 39	4♋10'16	16♘28	21♊16	28♉40	27♘53	25♋58	11°R58	4♍14	25♋ 3	7°R27	25♋58	26♋51	1♍20	n.a.	M 1
T 2	18 24 36	5° 7'40	28°19	23°12	28°58	28°30	26°11	11♒55	4°16	25° 5	7♐25	25°59	26°48	1°27	n.a.	T 2
W 3	18 28 32	6° 5'04	10♍ 8	25°10	29°18	29° 7	26°24	11°51	4°18	25° 7	7°24	26° 1	26°45	1°33	n.a.	W 3
T 4	18 32 29	7° 2'28	21°59	27°11	29°40	29°45	26°36	11°48	4°21	25° 9	7°23	26° 2	26°42	1°40	n.a.	T 4
F 5	18 36 25	7°59'54	3♎57	29°12	0♊ 3	0♍22	26°49	11°45	4°23	25°11	7°22	26°R 3	26°39	1°47	n.a.	F 5
S 6	18 40 22	8°57'20	16° 6	1♋15	0°28	0°59	27° 2	11°41	4°26	25°13	7°20	26° 3	26°35	1°53	n.a.	S 6
S 7	18 44 18	9°54'48	28°31	3°18	0°55	1°37	27°14	11°38	4°28	25°16	7°19	26° 2	26°32	2° 0	n.a.	S 7
M 8	18 48 15	10°52'16	11♏16	5°22	1°23	2°15	27°27	11°34	4°31	25°18	7°18	26° 0	26°29	2° 7	n.a.	M 8
T 9	18 52 11	11°49'46	24°24	7°26	1°53	2°53	27°40	11°31	4°33	25°20	7°17	25°58	26°26	2°13	n.a.	T 9
W10	18 56 8	12°47'16	7♐57	9°30	2°24	3°30	27°53	11°27	4°36	25°22	7°16	25°57	26°23	2°20	n.a.	W10
T 11	19 0 5	13°44'47	21°54	11°34	2°56	4° 8	28° 6	11°23	4°39	25°24	7°14	25°55	26°20	2°27	n.a.	T 11
F 12	19 4 1	14°42'20	6♑12	13°37	3°30	4°46	28°18	11°19	4°42	25°26	7°13	25°54	26°16	2°33	n.a.	F 12
S 13	19 7 58	15°39'54	20°47	15°40	4° 6	5°24	28°31	11°15	4°44	25°29	7°12	25°D54	26°13	2°40	n.a.	S 13
S 14	19 11 54	16°37'30	5♒33	17°41	4°42	6° 3	28°44	11°12	4°47	25°31	7°11	25°54	26°10	2°47	n.a.	S 14
M15	19 15 51	17°35'06	20°23	19°42	5°20	6°41	28°57	11° 8	4°50	25°33	7°10	25°54	26° 7	2°53	n.a.	M15
T 16	19 19 47	18°32'45	5♓ 9	21°41	5°58	7°19	29°10	11° 4	4°53	25°35	7° 9	25°55	26° 4	3° 0	n.a.	T 16
W17	19 23 44	19°30'25	19°46	23°39	6°38	7°58	29°23	10°59	4°56	25°37	7° 8	25°55	26° 0	3° 7	n.a.	W17
T 18	19 27 40	20°28'06	4♈ 8	25°36	7°19	8°36	29°36	10°55	4°59	25°40	7° 7	25°56	25°57	3°13	n.a.	T 18
F 19	19 31 37	21°25'50	18°13	27°32	8° 1	9°15	29°49	10°51	5° 2	25°42	7° 6	25°R56	25°54	3°20	n.a.	F 19
S 20	19 35 34	22°23'35	2♉ 0	29°26	8°44	9°53	0♘ 2	10°47	5° 5	25°44	7° 5	25°56	25°51	3°27	n.a.	S 20
S 21	19 39 30	23°21'22	15°28	1♘19	9°28	10°32	0°15	10°43	5° 8	25°46	7° 4	25°56	25°48	3°33	n.a.	S 21
M22	19 43 27	24°19'11	28°38	3°11	10°13	11°11	0°28	10°38	5°11	25°49	7° 3	25°56	25°45	3°40	n.a.	M22
T 23	19 47 23	25°17'02	11♊33	5° 1	10°59	11°50	0°41	10°34	5°14	25°51	7° 2	25°56	25°41	3°47	n.a.	T 23
W24	19 51 20	26°14'54	24°12	6°50	11°46	12°29	0°54	10°30	5°17	25°53	7° 1	25°D56	25°38	3°54	n.a.	W24
T 25	19 55 16	27°12'49	6♋39	8°38	12°33	13° 8	1° 7	10°25	5°20	25°55	7° 0	25°56	25°35	4° 0	n.a.	T 25
F 26	19 59 13	28°10'45	18°55	10°24	13°22	13°47	1°20	10°21	5°23	25°58	7° 0	25°56	25°32	4° 7	n.a.	F 26
S 27	20 3 9	29° 8'42	1♘ 1	12° 9	14°11	14°26	1°34	10°16	5°26	26° 0	6°59	25°R56	25°29	4°14	n.a.	S 27
S 28	20 7 6	0♘ 6'42	13° 0	13°53	15° 0	15° 5	1°47	10°12	5°30	26° 2	6°58	25°56	25°26	4°20	n.a.	S 28
M29	20 11 3	1° 4'43	24°53	15°35	15°51	15°45	2° 0	10° 7	5°33	26° 4	6°57	25°55	25°22	4°27	n.a.	M29
T 30	20 14 59	2° 2'46	6♍42	17°16	16°42	16°24	2°13	10° 3	5°36	26° 6	6°57	25°54	25°19	4°34	n.a.	T 30
W31	20 18 56	3♘ 0'50	18♍31	18♘56	17♊34	17♍ 4	2♘26	9♒58	5♍40	26♋ 9	6♐56	25♋53	25♋16	4♍40	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23n39	17n51	1n51	23n48	0n22	15n 9	5s 5	13n 8	0n50	22n 0	0n49	18s55	1s34	10n46	0n45	21n39	0n16	17s58	3n54	21n12	21n 2	13n51			n.a.
T 2	23 37	14 50	2 49	24 5	0 33	15 12	5 5	12 54	0 49	21 58	0 49	18 56	1 35	10 45	0 45	21 38	0 16	17 58	3 54	21 12	21 3	13 49			n.a.
W 3	23 35	11 15	3 40	24 21	0 43	15 16	5 6	12 40	0 48	21 55	0 49	18 57	1 35	10 45	0 45	21 38	0 17	17 58	3 54	21 12	21 3	13 47			n.a.
T 4	23 32	7 13	4 22	24 34	0 52	15 20	5 6	12 26	0 47	21 53	0 49	18 58	1 35	10 44	0 45	21 37	0 17	17 58	3 53	21 11	21 4	13 46			n.a.
F 5	23 29	2 53	4 53	24 44	1 1	15 25	5 5	12 12	0 46	21 50	0 49	18 59	1 35	10 43	0 45	21 37	0 17	17 58	3 53	21 11	21 4	13 44			n.a.
S 6	23 25	1s37	5 12	24 52	1 9	15 31	5 5	11 58	0 46	21 48	0 49	19 0	1 35	10 42	0 45	21 37	0 17	17 57	3 53	21 11	21 5	13 42			n.a.
S 7	23 21	6 9	5 16	24 57	1 17	15 37	5 4	11 43	0 45	21 45	0 49	19 1	1 35	10 41	0 45	21 36	0 17	17 57	3 53	21 11	21 6	13 40			n.a.
M 8	23 16	10 33	5 5	25 0	1 23	15 44	5 3	11 29	0 44	21 43	0 49	19 3	1 36	10 40	0 45	21 36	0 17	17 57	3 53	21 12	21 6	13 39			n.a.
T 9	23 11	14 36	4 38	24 59	1 29	15 51	5 2	11 14	0 43	21 40	0 49	19 4	1 36	10 39	0 45	21 36	0 17	17 57	3 53	21 12	21 7	13 37			n.a.
W10	23 6	18 1	3 55	24 56	1 34	15 59	5 0	11 0	0 42	21 38	0 49	19 5	1 36	10 38	0 45	21 35	0 17	17 57	3 52	21 12	21 7	13 35			n.a.
T 11	23 0	20 31	2 58	24 50	1 38	16 7	4 59	10 45	0 42	21 35	0 49	19 6	1 36	10 37	0 45	21 35	0 17	17 57	3 52	21 13	21 8	13 33			n.a.
F 12	22 54	21 47	1 47	24 41	1 41	16 15	4 57	10 30	0 41	21 33	0 49	19 7	1 36	10 36	0 45	21 34	0 17	17 57	3 52	21 13	21 9	13 31			n.a.
S 13	22 47	21 37	0 28	24 30	1 44	16 23	4 54	10 15	0 40	21 30	0 49	19 9	1 36	10 35	0 45	21 34	0 17	17 57	3 52	21 13	21 9	13 30			n.a.
S 14	22 40	19 58	0s53	24 17	1 46	16 32	4 52	10 0	0 39	21 27	0 49	19 10	1 37	10 34	0 45	21 34	0 17	17 57	3 52	21 13	21 10	13 28			n.a.
M15	22 33	16 57	2 12	24 1	1 47	16 41	4 50	9 45	0 38	21 25	0 49	19 11	1 37	10 32	0 45	21 33	0 17	17 57	3 52	21 13	21 10	13 26			n.a.
T 16	22 25	12 51	3 21	23 43	1 48	16 51	4 47	9 30	0 38	21 22	0 49	19 12	1 37	10 31	0 45	21 33	0 17	17 57	3 51	21 13	21 11	13 24			n.a.
W17	22 17	8 1	4 17	23 23	1 47	17 0	4 44	9 15	0 37	21 19	0 49	19 14	1 37	10 30	0 45	21 32	0 17	17 57	3 51	21 13	21 12	13 22			n.a.
T 18	22 8	2 50	4 55	23 1	1 47	17 10	4 41	9 0	0 36	21 17	0 49	19 15	1 37	10 29	0 45	21 32	0 17	17 57	3 51	21 13	21 12	13 21			n.a.
F 19	21 59	2n23	5 15	22 37	1 46	17 20	4 38	8 44	0 35	21 14	0 50	19 16	1 37	10 28	0 45	21 32	0 17	17 57	3 51	21 12	21 13	13 19			n.a.
S 20	21 50	7 22	5 16	22 12	1 44	17 30	4 35	8 29	0 34	21 11	0 50	19 18	1 37	10 27	0 45	21 31	0 17	17 57	3 51	21 13	21 13	13 17			n.a.
S 21	21 40	11 53	4 59	21 45	1 41	17 40	4 31	8 13	0 34	21 8	0 50	19 19	1 38	10 26	0 44	21 31	0 17	17 58	3 50	21 13	21 14	13 15			n.a.
M22	21 30	15 45	4 27	21 16	1 39	17 50	4 28	7 58	0 33	21 6	0 50	19 20	1 38	10 25	0 44	21 30	0 17	17 58	3 50	21 13	21 15	13 13			n.a.
T 23	21 20	18 46	3 42	20 46	1 35	18 0	4 24	7 42	0 32	21 3	0 50	19 22	1 38	10 23	0 44	21 30	0 17	17 58	3 50	21 13	21 15	13 12			n.a.
W24	21 9	20 48	2 47	20 15	1 32	18 10	4 20	7 26	0 31	21 0	0 50	19 23	1 38	10 22	0 44	21 30	0 17	17 58	3 50	21 13	21 16	13 10			n.a.
T 25	20 58	21 48	1 45	19 43	1 28	18 20	4 17	7 10	0 30	20 57	0 50	19 24	1 38	10 21	0 44	21 29	0 17	17 58	3 50	21 13	21 16	13 8			n.a.
F 26	20 46	21 44	0 39	19 10	1 23	18 30	4 13	6 54	0 30	20 54	0 50	19 26	1 38	10 20	0 44	21 29	0 17	17 58	3 49	21 13	21 17	13 6			n.a.
S 27	20 34	20 37	0n28	18 36	1 18	18 39	4 9	6 38	0 29	20 52	0 50	19 27	1 38	10 19	0 44	21 28	0 17	17 58	3 49	21 13	21 18	13 4			n.a.
S 28	20 22	18 36	1 33	18 1	1 13	18 49	4 4	6 22	0 28	20 49	0 50	19 28	1 38	10 17	0 44	21 28	0 17	17 58	3 49	21 13	21 18	13 2			n.a.
M29	20 9	15 48	2 34	17 25	1 8	18 59	4 0	6 6	0 27	20 46	0 50	19 30	1 39	10 16	0 44	21 27	0 17	17 58	3 49	21 13	21 19	13 1			n.a.
T 30	19 56	12 22	3 28	16 49	1 2	19 8	3 56	5 50	0 27	20 43	0 50	19 31	1 39	10 15	0 44	21 27	0 17	17 58	3 49	21 13	21 19	12 59			n.a.
W31	19n43	8n27	4n12	16n12	0n56	19n17	3s51	5n34	0n26	20n40	0n50	19s32	1s39	10n14	0n44	21n27	0n17	17s58	3n48	21n13	21n20	12n57			n.a.

Julian Day Number = 1642710.5, Delta T = 03h35m29s
Ecliptic obliquity = 23°43'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'40, Lahiri = - 6°55'39 Julian Calendar 1 July 216 BCE == Greg. Calendar 27 June 216 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

AUGUST 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 22 52	3♌58'56	0♎22	20♌35	18♊26	17♍43	2♌39	9°R54	5♍43	26♋11	6°R55	25°R52	25♋13	4♍47	n.a.	T 1
F 2	20 26 49	4°57'03	12°19	22°12	19°19	18°23	2°52	9♒49	5°46	26°13	6♐55	25♋52	25°10	4°54	n.a.	F 2
S 3	20 30 45	5°55'12	24°27	23°48	20°13	19° 3	3° 5	9°44	5°50	26°15	6°54	25°51	25° 6	5° 0	n.a.	S 3
S 4	20 34 42	6°53'22	6♏49	25°23	21° 7	19°42	3°18	9°40	5°53	26°17	6°53	25°D51	25° 3	5° 7	n.a.	S 4
M 5	20 38 38	7°51'35	19°30	26°56	22° 2	20°22	3°31	9°35	5°57	26°20	6°53	25°51	25° 0	5°14	n.a.	M 5
T 6	20 42 35	8°49'48	2♐33	28°28	22°58	21° 2	3°44	9°31	6° 0	26°22	6°52	25°52	24°57	5°20	n.a.	T 6
W 7	20 46 32	9°48'04	16° 2	29°59	23°54	21°42	3°57	9°26	6° 4	26°24	6°52	25°53	24°54	5°27	n.a.	W 7
T 8	20 50 28	10°46'21	29°57	1♍29	24°50	22°22	4°10	9°21	6° 7	26°26	6°51	25°54	24°51	5°34	n.a.	T 8
F 9	20 54 25	11°44'40	14♑19	2°58	25°47	23° 3	4°23	9°17	6°11	26°28	6°51	25°55	24°47	5°40	n.a.	F 9
S 10	20 58 21	12°43'00	29° 3	4°25	26°44	23°43	4°36	9°12	6°14	26°31	6°51	25°R55	24°44	5°47	n.a.	S 10
S 11	21 2 18	13°41'23	14♒ 4	5°51	27°42	24°23	4°49	9° 8	6°18	26°33	6°50	25°54	24°41	5°54	n.a.	S 11
M12	21 6 14	14°39'47	29°14	7°16	28°41	25° 3	5° 2	9° 3	6°21	26°35	6°50	25°53	24°38	6° 0	n.a.	M12
T 13	21 10 11	15°38'13	14♓22	8°40	29°39	25°44	5°15	8°58	6°25	26°37	6°50	25°50	24°35	6° 7	n.a.	T 13
W14	21 14 7	16°36'42	29°20	10° 2	0♋39	26°25	5°28	8°54	6°28	26°39	6°49	25°48	24°31	6°14	n.a.	W14
T 15	21 18 4	17°35'13	13♈59	11°23	1°38	27° 5	5°41	8°49	6°32	26°41	6°49	25°45	24°28	6°20	n.a.	T 15
F 16	21 22 1	18°33'46	28°15	12°42	2°38	27°46	5°54	8°45	6°36	26°43	6°49	25°43	24°25	6°27	n.a.	F 16
S 17	21 25 57	19°32'21	12♉ 7	14° 0	3°39	28°27	6° 7	8°40	6°39	26°45	6°49	25°42	24°22	6°34	n.a.	S 17
S 18	21 29 54	20°30'59	25°32	15°17	4°40	29° 7	6°20	8°36	6°43	26°48	6°48	25°D42	24°19	6°40	n.a.	S 18
M19	21 33 50	21°29'39	8♊35	16°31	5°41	29°48	6°33	8°31	6°47	26°50	6°48	25°43	24°16	6°47	n.a.	M19
T 20	21 37 47	22°28'21	21°17	17°45	6°42	0♎29	6°46	8°27	6°50	26°52	6°48	25°44	24°12	6°54	n.a.	T 20
W21	21 41 43	23°27'06	3♋43	18°56	7°44	1°10	6°59	8°23	6°54	26°54	6°48	25°46	24° 9	7° 1	n.a.	W21
T 22	21 45 40	24°25'53	15°56	20° 6	8°47	1°51	7°11	8°18	6°58	26°56	6°48	25°47	24° 6	7° 7	n.a.	T 22
F 23	21 49 36	25°24'42	27°59	21°14	9°49	2°33	7°24	8°14	7° 2	26°58	6°D48	25°R48	24° 3	7°14	n.a.	F 23
S 24	21 53 33	26°23'34	9♌55	22°19	10°52	3°14	7°37	8°10	7° 5	27° 0	6°48	25°47	24° 0	7°21	n.a.	S 24
S 25	21 57 29	27°22'27	21°47	23°23	11°55	3°55	7°50	8° 5	7° 9	27° 2	6°48	25°44	23°57	7°27	n.a.	S 25
M26	22 1 26	28°21'23	3♍37	24°24	12°59	4°37	8° 2	8° 1	7°13	27° 4	6°48	25°40	23°53	7°34	n.a.	M26
T 27	22 5 23	29°20'21	15°26	25°23	14° 3	5°18	8°15	7°57	7°17	27° 6	6°48	25°34	23°50	7°41	n.a.	T 27
W28	22 9 19	0♍19'21	27°17	26°19	15° 7	6° 0	8°27	7°53	7°20	27° 8	6°48	25°28	23°47	7°47	n.a.	W28
T 29	22 13 16	1°18'23	9♎11	27°12	16°11	6°41	8°40	7°49	7°24	27°10	6°49	25°21	23°44	7°54	n.a.	T 29
F 30	22 17 12	2°17'26	21°12	28° 1	17°16	7°23	8°53	7°45	7°28	27°11	6°49	25°15	23°41	8° 1	n.a.	F 30
S 31	22 21 9	3♍16'32	3♏21	28♍48	18♋21	8♎ 5	9♌ 5	7♒41	7♍32	27♋13	6♐49	25♋10	23♋37	8♍ 7	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	19n29	4n13	4n46	15n35	0n49	19n27	3s47	5n17	0n25	20n37	0n50	19s34	1s39	10n12	0n44	21n26	0n17	17s58	3n48	21n13	21n21	12n55			n.a.
F 2	19 15	0s12	5 8	14 57	0 43	19 35	3 42	5 1	0 24	20 34	0 50	19 35	1 39	10 11	0 44	21 26	0 17	17 58	3 48	21 13	21 21	12 53			n.a.
S 3	19 1	4 41	5 17	14 19	0 36	19 44	3 38	4 45	0 23	20 31	0 51	19 36	1 39	10 10	0 44	21 25	0 17	17 58	3 48	21 13	21 22	12 51			n.a.
S 4	18 46	9 3	5 11	13 40	0 29	19 53	3 33	4 28	0 23	20 28	0 51	19 38	1 39	10 9	0 44	21 25	0 17	17 59	3 48	21 14	21 22	12 49			n.a.
M 5	18 31	13 9	4 50	13 1	0 22	20 1	3 28	4 12	0 22	20 25	0 51	19 39	1 39	10 7	0 44	21 25	0 17	17 59	3 47	21 13	21 23	12 48			n.a.
T 6	18 16	16 46	4 14	12 22	0 14	20 8	3 24	3 55	0 21	20 22	0 51	19 40	1 39	10 6	0 44	21 24	0 17	17 59	3 47	21 13	21 23	12 46			n.a.
W 7	18 0	19 36	3 23	11 43	0 7	20 16	3 19	3 38	0 20	20 19	0 51	19 42	1 39	10 5	0 44	21 24	0 17	17 59	3 47	21 13	21 24	12 44			n.a.
T 8	17 44	21 24	2 19	11 4	0s 1	20 23	3 14	3 22	0 20	20 16	0 51	19 43	1 39	10 3	0 44	21 23	0 17	17 59	3 47	21 13	21 25	12 42			n.a.
F 9	17 28	21 53	1 4	10 24	0 9	20 30	3 9	3 5	0 19	20 13	0 51	19 44	1 40	10 2	0 44	21 23	0 17	17 59	3 47	21 13	21 25	12 40			n.a.
S 10	17 11	20 52	0s17	9 45	0 16	20 37	3 4	2 48	0 18	20 10	0 51	19 46	1 40	10 1	0 44	21 23	0 17	17 59	3 46	21 13	21 26	12 38			n.a.
S 11	16 55	18 22	1 39	9 6	0 24	20 43	2 59	2 31	0 17	20 7	0 51	19 47	1 40	9 59	0 44	21 22	0 17	17 59	3 46	21 13	21 26	12 36			n.a.
M12	16 38	14 35	2 54	8 26	0 33	20 49	2 54	2 14	0 17	20 4	0 51	19 48	1 40	9 58	0 44	21 22	0 17	18 0	3 46	21 13	21 27	12 34			n.a.
T 13	16 20	9 51	3 57	7 47	0 41	20 54	2 49	1 57	0 16	20 0	0 51	19 50	1 40	9 57	0 44	21 21	0 17	18 0	3 46	21 14	21 28	12 32			n.a.
W14	16 2	4 35	4 42	7 8	0 49	20 59	2 44	1 40	0 15	19 57	0 51	19 51	1 40	9 55	0 44	21 21	0 17	18 0	3 45	21 14	21 28	12 31			n.a.
T 15	15 45	0n51	5 8	6 30	0 57	21 4	2 39	1 23	0 14	19 54	0 52	19 52	1 40	9 54	0 44	21 21	0 17	18 0	3 45	21 15	21 29	12 29			n.a.
F 16	15 26	6 5	5 15	5 52	1 6	21 8	2 34	1 6	0 14	19 51	0 52	19 53	1 40	9 52	0 44	21 20	0 17	18 0	3 45	21 15	21 29	12 27			n.a.
S 17	15 8	10 51	5 2	5 14	1 14	21 11	2 29	0 49	0 13	19 48	0 52	19 55	1 40	9 51	0 44	21 20	0 17	18 0	3 45	21 15	21 30	12 25			n.a.
S 18	14 49	14 57	4 33	4 36	1 22	21 15	2 24	0 32	0 12	19 45	0 52	19 56	1 40	9 50	0 44	21 19	0 17	18 1	3 45	21 15	21 30	12 23			n.a.
M19	14 30	18 11	3 51	3 59	1 31	21 17	2 19	0 15	0 11	19 42	0 52	19 57	1 40	9 48	0 44	21 19	0 17	18 1	3 44	21 15	21 31	12 21			n.a.
T 20	14 11	20 28	2 58	3 23	1 39	21 20	2 14	0s 2	0 11	19 38	0 52	19 58	1 40	9 47	0 44	21 19	0 17	18 1	3 44	21 15	21 31	12 19			n.a.
W21	13 52	21 42	1 58	2 47	1 47	21 21	2 8	0 19	0 10	19 35	0 52	20 0	1 40	9 46	0 44	21 18	0 17	18 1	3 44	21 14	21 32	12 17			n.a.
T 22	13 32	21 52	0 54	2 12	1 55	21 23	2 3	0 36	0 9	19 32	0 52	20 1	1 40	9 44	0 44	21 18	0 17	18 1	3 44	21 14	21 33	12 15			n.a.
F 23	13 12	21 0	0n12	1 38	2 3	21 23	1 58	0 54	0 8	19 29	0 52	20 2	1 40	9 43	0 44	21 17	0 17	18 2	3 44	21 14	21 33	12 13			n.a.
S 24	12 52	19 12	1 17	1 4	2 11	21 24	1 53	1 11	0 8	19 26	0 53	20 3	1 40	9 41	0 44	21 17	0 17	18 2	3 43	21 14	21 34	12 11			n.a.
S 25	12 32	16 34	2 17	0 32	2 19	21 23	1 48	1 28	0 7	19 22	0 53	20 4	1 40	9 40	0 44	21 17	0 17	18 2	3 43	21 15	21 34	12 9			n.a.
M26	12 11	13 17	3 12	0 0	2 27	21 22	1 43	1 46	0 6	19 19	0 53	20 5	1 40	9 38	0 44	21 16	0 17	18 2	3 43	21 16	21 35	12 7			n.a.
T 27	11 50	9 27	3 58	0s30	2 34	21 21	1 38	2 3	0 6	19 16	0 53	20 6	1 40	9 37	0 44	21 16	0 17	18 3	3 43	21 17	21 35	12 6			n.a.
W28	11 29	5 17	4 34	0 59	2 42	21 19	1 33	2 20	0 5	19 13	0 53	20 7	1 40	9 36	0 44	21 16	0 17	18 3	3 42	21 18	21 36	12 4			n.a.
T 29	11 8	0 53	4 58	1 27	2 49	21 17	1 28	2 37	0 4	19 10	0 53	20 9	1 40	9 34	0 44	21 15	0 17	18 3	3 42	21 19	21 37	12 2			n.a.
F 30	10 47	3s35	5 10	1 53	2 55	21 13	1 23	2 55	0 3	19 6	0 53	20 10	1 40	9 33	0 44	21 15	0 17	18 3	3 42	21 20	21 37	12 0			n.a.
S 31	10n25	7s58	5n 7	2s17	3s 2	21n10	1s18	3s12	0n 3	19n 3	0n53	20s11	1s40	9n31	0n44	21n15	0n17	18s 4	3n42	21n21	21n38	11n58			n.a.

Julian Day Number = 1642741.5, Delta T = 03h35m28s
Ecliptic obliquity = 23°43'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'35, Lahiri = - 6°55'35 Julian Calendar 1 Aug. 216 BCE == Greg. Calendar 28 July 216 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

SEPTEMBER 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 25 5	4♍15'40	15♏42	29♍30	19♋26	8♎47	9♑18	7°R37	7♍35	27♋15	6♐49	25°R 7	23♋34	8♍14	n.a.	S 1
M 2	22 29 2	5°14'49	28°19	0♎ 8	20°31	9°29	9°30	7♒33	7°39	27°17	6°50	25♋ 5	23°31	8°21	n.a.	M 2
T 3	22 32 58	6°14'01	11♐16	0°42	21°37	10°11	9°42	7°29	7°43	27°19	6°50	25°D 5	23°28	8°27	n.a.	T 3
W 4	22 36 55	7°13'14	24°35	1°11	22°43	10°53	9°55	7°26	7°47	27°21	6°50	25° 6	23°25	8°34	n.a.	W 4
T 5	22 40 52	8°12'30	8♑20	1°35	23°49	11°35	10° 7	7°22	7°51	27°23	6°51	25° 7	23°22	8°41	n.a.	T 5
F 6	22 44 48	9°11'47	22°33	1°53	24°56	12°17	10°19	7°19	7°54	27°24	6°51	25°R 8	23°18	8°47	n.a.	F 6
S 7	22 48 45	10°11'06	7♒11	2° 5	26° 2	12°59	10°31	7°15	7°58	27°26	6°51	25° 7	23°15	8°54	n.a.	S 7
S 8	22 52 41	11°10'27	22°11	2°R10	27° 9	13°42	10°43	7°12	8° 2	27°28	6°52	25° 5	23°12	9° 1	n.a.	S 8
M 9	22 56 38	12° 9'50	7♓25	2° 8	28°16	14°24	10°56	7° 8	8° 6	27°29	6°52	25° 0	23° 9	9° 8	n.a.	M 9
T 10	23 0 34	13° 9'15	22°44	1°58	29°24	15° 7	11° 8	7° 5	8°10	27°31	6°53	24°54	23° 6	9°14	n.a.	T 10
W11	23 4 31	14° 8'42	7♈55	1°40	0♌31	15°49	11°20	7° 2	8°13	27°33	6°54	24°46	23° 3	9°21	n.a.	W11
T 12	23 8 27	15° 8'12	22°50	1°15	1°39	16°32	11°31	6°59	8°17	27°34	6°54	24°39	22°59	9°28	n.a.	T 12
F 13	23 12 24	16° 7'43	7♉20	0°40	2°47	17°14	11°43	6°56	8°21	27°36	6°55	24°32	22°56	9°34	n.a.	F 13
S 14	23 16 20	17° 7'18	21°21	29♍58	3°55	17°57	11°55	6°53	8°25	27°38	6°56	24°27	22°53	9°41	n.a.	S 14
S 15	23 20 17	18° 6'54	4♊53	29° 7	5° 3	18°40	12° 7	6°50	8°28	27°39	6°56	24°24	22°50	9°48	n.a.	S 15
M16	23 24 14	19° 6'34	17°57	28°10	6°12	19°23	12°19	6°47	8°32	27°41	6°57	24°D23	22°47	9°54	n.a.	M16
T 17	23 28 10	20° 6'15	0♋36	27° 5	7°21	20° 6	12°30	6°44	8°36	27°42	6°58	24°24	22°43	10° 1	n.a.	T 17
W18	23 32 7	21° 5'59	12°57	25°56	8°29	20°49	12°42	6°42	8°40	27°44	6°58	24°24	22°40	10° 8	n.a.	W18
T 19	23 36 3	22° 5'45	25° 3	24°43	9°38	21°32	12°53	6°39	8°43	27°45	6°59	24°R25	22°37	10°14	n.a.	T 19
F 20	23 40 0	23° 5'34	6♌59	23°28	10°48	22°15	13° 5	6°37	8°47	27°47	7° 0	24°24	22°34	10°21	n.a.	F 20
S 21	23 43 56	24° 5'25	18°49	22°14	11°57	22°58	13°16	6°34	8°51	27°48	7° 1	24°21	22°31	10°28	n.a.	S 21
S 22	23 47 53	25° 5'18	0♍38	21° 3	13° 7	23°41	13°27	6°32	8°54	27°50	7° 2	24°15	22°28	10°34	n.a.	S 22
M23	23 51 49	26° 5'13	12°27	19°56	14°16	24°25	13°39	6°30	8°58	27°51	7° 3	24° 7	22°24	10°41	n.a.	M23
T 24	23 55 46	27° 5'10	24°19	18°57	15°26	25° 8	13°50	6°28	9° 2	27°52	7° 4	23°56	22°21	10°48	n.a.	T 24
W25	23 59 43	28° 5'09	6♎15	18° 6	16°36	25°52	14° 1	6°26	9° 5	27°54	7° 5	23°44	22°18	10°55	n.a.	W25
T 26	0 3 39	29° 5'10	18°17	17°25	17°47	26°35	14°12	6°24	9° 9	27°55	7° 6	23°31	22°15	11° 1	n.a.	T 26
F 27	0 7 36	0♎ 5'13	0♏26	16°55	18°57	27°19	14°23	6°22	9°13	27°56	7° 7	23°19	22°12	11° 8	n.a.	F 27
S 28	0 11 32	1° 5'18	12°44	16°36	20° 7	28° 3	14°33	6°20	9°16	27°57	7° 8	23° 8	22° 8	11°15	n.a.	S 28
S 29	0 15 29	2° 5'25	25°11	16°D29	21°18	28°46	14°44	6°19	9°20	27°59	7° 9	23° 0	22° 5	11°21	n.a.	S 29
M30	0 19 25	3♎ 5'34	7♐51	16♍33	22♌29	29♎30	14♌55	6♒17	9♍23	28♋ 0	7♐10	22♋54	22♋ 2	11♍28	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n 4	12s 6	4n51	2s40	3s 8	21n 6	1s13	3s30	0n 2	19n 0	0n54	20s12	1s40	9n30	0n44	21n14	0n17	18s 4	3n42	21n22	21n38	11n56		n.a.
M 2	9 42	15 48	4 20	3 0	3 13	21 1	1 8	3 47	0 1	18 57	0 54	20 13	1 40	9 28	0 44	21 14	0 17	18 4	3 41	21 22	21 39	11 54		n.a.
T 3	9 20	18 50	3 35	3 18	3 18	20 56	1 3	4 4	0 0	18 53	0 54	20 14	1 40	9 27	0 44	21 14	0 17	18 4	3 41	21 22	21 39	11 52		n.a.
W 4	8 58	20 59	2 38	3 34	3 22	20 50	0 58	4 22	0s 0	18 50	0 54	20 14	1 40	9 26	0 44	21 13	0 17	18 5	3 41	21 22	21 40	11 50		n.a.
T 5	8 35	21 58	1 30	3 47	3 26	20 43	0 53	4 39	0 1	18 47	0 54	20 15	1 40	9 24	0 44	21 13	0 17	18 5	3 41	21 22	21 40	11 48		n.a.
F 6	8 13	21 35	0 14	3 57	3 29	20 36	0 48	4 56	0 2	18 44	0 54	20 16	1 40	9 23	0 44	21 12	0 17	18 5	3 40	21 21	21 41	11 46		n.a.
S 7	7 50	19 44	1s 5	4 3	3 31	20 28	0 44	5 14	0 2	18 41	0 54	20 17	1 40	9 21	0 44	21 12	0 17	18 5	3 40	21 22	21 41	11 44		n.a.
S 8	7 28	16 30	2 21	4 6	3 32	20 20	0 39	5 31	0 3	18 37	0 54	20 18	1 40	9 20	0 44	21 12	0 17	18 6	3 40	21 22	21 42	11 42		n.a.
M 9	7 5	12 6	3 28	4 5	3 32	20 11	0 34	5 48	0 4	18 34	0 55	20 19	1 40	9 18	0 44	21 12	0 17	18 6	3 40	21 23	21 43	11 40		n.a.
T 10	6 42	6 54	4 21	4 0	3 30	20 2	0 30	6 5	0 5	18 31	0 55	20 20	1 40	9 17	0 44	21 11	0 17	18 6	3 40	21 24	21 43	11 38		n.a.
W11	6 19	1 19	4 54	3 50	3 27	19 52	0 25	6 23	0 5	18 28	0 55	20 21	1 40	9 16	0 44	21 11	0 17	18 7	3 39	21 25	21 44	11 36		n.a.
T 12	5 55	4n14	5 7	3 36	3 23	19 41	0 21	6 40	0 6	18 24	0 55	20 21	1 40	9 14	0 44	21 11	0 18	18 7	3 39	21 27	21 44	11 34		n.a.
F 13	5 32	9 24	5 0	3 17	3 17	19 30	0 16	6 57	0 7	18 21	0 55	20 22	1 40	9 13	0 44	21 10	0 18	18 7	3 39	21 28	21 45	11 32		n.a.
S 14	5 9	13 54	4 34	2 52	3 9	19 19	0 12	7 14	0 7	18 18	0 55	20 23	1 40	9 11	0 44	21 10	0 18	18 8	3 39	21 29	21 45	11 30		n.a.
S 15	4 45	17 31	3 54	2 23	2 59	19 6	0 7	7 31	0 8	18 15	0 55	20 23	1 40	9 10	0 44	21 10	0 18	18 8	3 39	21 29	21 46	11 28		n.a.
M16	4 22	20 8	3 3	1 49	2 47	18 54	0 3	7 48	0 9	18 12	0 56	20 24	1 40	9 9	0 44	21 9	0 18	18 8	3 38	21 30	21 46	11 26		n.a.
T 17	3 58	21 39	2 4	1 11	2 34	18 40	0n 1	8 5	0 9	18 9	0 56	20 25	1 40	9 7	0 44	21 9	0 18	18 9	3 38	21 30	21 47	11 24		n.a.
W18	3 34	22 4	1 1	0 28	2 18	18 26	0 5	8 22	0 10	18 5	0 56	20 25	1 40	9 6	0 44	21 9	0 18	18 9	3 38	21 29	21 47	11 22		n.a.
T 19	3 10	21 26	0n 3	0n17	2 1	18 12	0 9	8 39	0 11	18 2	0 56	20 26	1 40	9 4	0 44	21 9	0 18	18 9	3 38	21 29	21 48	11 20		n.a.
F 20	2 46	19 49	1 7	1 3	1 42	17 57	0 13	8 56	0 11	17 59	0 56	20 27	1 40	9 3	0 44	21 8	0 18	18 10	3 38	21 29	21 48	11 18		n.a.
S 21	2 22	17 22	2 7	1 51	1 23	17 41	0 17	9 13	0 12	17 56	0 56	20 27	1 39	9 1	0 44	21 8	0 18	18 10	3 37	21 30	21 49	11 16		n.a.
S 22	1 58	14 12	3 1	2 38	1 2	17 25	0 21	9 30	0 13	17 53	0 57	20 28	1 39	9 0	0 44	21 8	0 18	18 10	3 37	21 31	21 49	11 14		n.a.
M23	1 34	10 27	3 47	3 23	0 42	17 8	0 25	9 47	0 13	17 50	0 57	20 28	1 39	8 59	0 44	21 7	0 18	18 11	3 37	21 33	21 50	11 12		n.a.
T 24	1 10	6 18	4 23	4 6	0 21	16 51	0 29	10 4	0 14	17 47	0 57	20 29	1 39	8 57	0 44	21 7	0 18	18 11	3 37	21 34	21 51	11 10		n.a.
W25	0 46	1 54	4 49	4 44	0 1	16 34	0 33	10 20	0 15	17 44	0 57	20 29	1 39	8 56	0 44	21 7	0 18	18 11	3 36	21 37	21 51	11 8		n.a.
T 26	0 22	2s37	5 1	5 18	0n18	16 16	0 36	10 37	0 16	17 41	0 57	20 29	1 39	8 55	0 44	21 7	0 18	18 12	3 36	21 39	21 52	11 6		n.a.
F 27	0s 2	7 5	5 0	5 46	0 35	15 57	0 40	10 53	0 16	17 38	0 57	20 30	1 39	8 53	0 44	21 7	0 18	18 12	3 36	21 41	21 52	11 4		n.a.
S 28	0 26	11 19	4 45	6 9	0 52	15 38	0 43	11 10	0 17	17 34	0 58	20 30	1 39	8 52	0 44	21 6	0 18	18 13	3 36	21 43	21 53	11 1		n.a.
S 29	0 50	15 8	4 16	6 25	1 7	15 18	0 47	11 26	0 17	17 31	0 58	20 31	1 39	8 51	0 44	21 6	0 18	18 13	3 36	21 44	21 53	10 59		n.a.
M30	1s15	18s21	3n35	6n36	1n20	14n58	0n50	11s43	0s18	17n28	0n58	20s31	1s39	8n49	0n44	21n 6	0n18	18s13	3n35	21n45	21n54	10n57		n.a.

Julian Day Number = 1642772.5, Delta T = 03h35m27s
Ecliptic obliquity = 23°43'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'31, Lahiri = - 6°55'31 Julian Calendar 1 Sept. 216 BCE == Greg. Calendar 28 Aug. 216 BCE

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

OCTOBER 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 23 22	4♎ 5'44	20♐46	16♍48	23♌40	0♏14	15♌ 5	6°R16	9♍27	28♋ 1	7♐11	22°R52	21♋59	11♍35	n.a.	T 1
W 2	0 27 18	5° 5'56	4♑ 0	17°14	24°51	0°58	15°16	6♒14	9°30	28° 2	7°13	22°D51	21°56	11°41	n.a.	W 2
T 3	0 31 15	6° 6'09	17°34	17°48	26° 2	1°42	15°26	6°13	9°34	28° 3	7°14	22°R51	21°53	11°48	n.a.	T 3
F 4	0 35 11	7° 6'25	1♒32	18°31	27°13	2°26	15°37	6°12	9°37	28° 4	7°15	22♋51	21°49	11°55	n.a.	F 4
S 5	0 39 8	8° 6'41	15°54	19°22	28°24	3°10	15°47	6°11	9°41	28° 5	7°16	22°49	21°46	12° 1	n.a.	S 5
S 6	0 43 5	9° 6'59	0♓38	20°20	29°36	3°54	15°57	6°10	9°44	28° 6	7°18	22°45	21°43	12° 8	n.a.	S 6
M 7	0 47 1	10° 7'19	15°40	21°23	0♍47	4°38	16° 7	6°10	9°48	28° 7	7°19	22°38	21°40	12°15	n.a.	M 7
T 8	0 50 58	11° 7'41	0♈50	22°32	1°59	5°23	16°17	6° 9	9°51	28° 8	7°20	22°28	21°37	12°21	n.a.	T 8
W 9	0 54 54	12° 8'04	15°59	23°45	3°11	6° 7	16°27	6° 8	9°55	28° 9	7°22	22°17	21°34	12°28	n.a.	W 9
T 10	0 58 51	13° 8'29	0♉56	25° 3	4°23	6°51	16°37	6° 8	9°58	28°10	7°23	22° 6	21°30	12°35	n.a.	T 10
F 11	1 2 47	14° 8'56	15°32	26°23	5°35	7°36	16°46	6° 7	10° 1	28°11	7°24	21°55	21°27	12°42	n.a.	F 11
S 12	1 6 44	15° 9'24	29°41	27°46	6°47	8°20	16°56	6° 7	10° 4	28°11	7°26	21°46	21°24	12°48	n.a.	S 12
S 13	1 10 40	16° 9'55	13♊20	29°11	7°59	9° 5	17° 5	6° 7	10° 8	28°12	7°27	21°41	21°21	12°55	n.a.	S 13
M14	1 14 37	17°10'28	26°30	0♎39	9°12	9°50	17°14	6°D 7	10°11	28°13	7°29	21°37	21°18	13° 2	n.a.	M14
T 15	1 18 34	18°11'02	9♋14	2° 8	10°24	10°34	17°24	6° 7	10°14	28°14	7°30	21°36	21°14	13° 8	n.a.	T 15
W16	1 22 30	19°11'39	21°36	3°38	11°37	11°19	17°33	6° 7	10°17	28°14	7°32	21°36	21°11	13°15	n.a.	W16
T 17	1 26 27	20°12'17	3♌41	5° 9	12°49	12° 4	17°42	6° 7	10°20	28°15	7°33	21°36	21° 8	13°22	n.a.	T 17
F 18	1 30 23	21°12'57	15°36	6°42	14° 2	12°49	17°51	6° 8	10°24	28°16	7°35	21°34	21° 5	13°28	n.a.	F 18
S 19	1 34 20	22°13'39	27°25	8°14	15°15	13°34	17°59	6° 8	10°27	28°16	7°37	21°30	21° 2	13°35	n.a.	S 19
S 20	1 38 16	23°14'23	9♍14	9°48	16°28	14°19	18° 8	6° 9	10°30	28°17	7°38	21°24	20°59	13°42	n.a.	S 20
M21	1 42 13	24°15'08	21° 5	11°22	17°41	15° 4	18°16	6°10	10°33	28°17	7°40	21°14	20°55	13°49	n.a.	M21
T 22	1 46 9	25°15'55	3♎ 1	12°56	18°54	15°49	18°25	6°10	10°36	28°18	7°41	21° 2	20°52	13°55	n.a.	T 22
W23	1 50 6	26°16'43	15° 5	14°30	20° 7	16°34	18°33	6°11	10°39	28°18	7°43	20°47	20°49	14° 2	n.a.	W23
T 24	1 54 3	27°17'33	27°19	16° 4	21°20	17°19	18°41	6°12	10°42	28°18	7°45	20°33	20°46	14° 9	n.a.	T 24
F 25	1 57 59	28°18'24	9♏41	17°39	22°33	18° 4	18°49	6°13	10°44	28°19	7°47	20°18	20°43	14°15	n.a.	F 25
S 26	2 1 56	29°19'17	22°14	19°14	23°47	18°50	18°57	6°15	10°47	28°19	7°48	20° 6	20°39	14°22	n.a.	S 26
S 27	2 5 52	0♏20'11	4♐56	20°48	25° 0	19°35	19° 5	6°16	10°50	28°19	7°50	19°56	20°36	14°29	n.a.	S 27
M28	2 9 49	1°21'06	17°50	22°23	26°14	20°20	19°12	6°17	10°53	28°20	7°52	19°50	20°33	14°35	n.a.	M28
T 29	2 13 45	2°22'02	0♑54	23°58	27°27	21° 6	19°20	6°19	10°56	28°20	7°54	19°46	20°30	14°42	n.a.	T 29
W30	2 17 42	3°22'59	14°12	25°32	28°41	21°51	19°27	6°21	10°58	28°20	7°56	19°D45	20°27	14°49	n.a.	W30
T 31	2 21 38	4♏23'56	27♑45	27♎ 7	29♍54	22♏37	19♌34	6♒22	11♍ 1	28♋20	7♐57	19°R45	20♋24	14♍55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	1 s39	20 s43	2n41	6n40	1n32	14n38	0n53	11 s59	0 s19	17n26	0n58	20 s31	1 s39	8n48	0n44	21n 6	0n18	18 s14	3n35	21n45	21n54	10n55			n.a.
W 2	2 3	22 1	1 38	6 40	1 42	14 17	0 56	12 15	0 19	17 23	0 58	20 31	1 39	8 46	0 44	21 5	0 18	18 14	3 35	21 46	21 55	10 53			n.a.
T 3	2 27	22 5	0 28	6 34	1 50	13 55	0 59	12 31	0 20	17 20	0 59	20 32	1 39	8 45	0 44	21 5	0 18	18 14	3 35	21 46	21 55	10 51			n.a.
F 4	2 51	20 48	0 s46	6 23	1 57	13 33	1 2	12 47	0 21	17 17	0 59	20 32	1 38	8 44	0 44	21 5	0 18	18 15	3 35	21 46	21 56	10 49			n.a.
S 5	3 15	18 9	1 59	6 7	2 2	13 11	1 5	13 3	0 21	17 14	0 59	20 32	1 38	8 43	0 44	21 5	0 18	18 15	3 34	21 46	21 56	10 47			n.a.
S 6	3 39	14 16	3 6	5 48	2 6	12 48	1 8	13 19	0 22	17 11	0 59	20 32	1 38	8 41	0 44	21 5	0 18	18 16	3 34	21 47	21 57	10 45			n.a.
M 7	4 3	9 25	4 1	5 26	2 9	12 25	1 11	13 34	0 23	17 8	0 59	20 32	1 38	8 40	0 44	21 5	0 18	18 16	3 34	21 48	21 57	10 43			n.a.
T 8	4 27	3 56	4 40	5 0	2 11	12 2	1 13	13 50	0 23	17 5	1 0	20 32	1 38	8 39	0 44	21 4	0 18	18 16	3 34	21 49	21 58	10 41			n.a.
W 9	4 51	1n46	4 59	4 31	2 12	11 38	1 16	14 6	0 24	17 2	1 0	20 32	1 38	8 37	0 44	21 4	0 18	18 17	3 34	21 51	21 58	10 39			n.a.
T 10	5 15	7 18	4 57	4 0	2 11	11 14	1 18	14 21	0 25	17 0	1 0	20 32	1 38	8 36	0 44	21 4	0 18	18 17	3 34	21 53	21 59	10 37			n.a.
F 11	5 39	12 17	4 36	3 27	2 10	10 49	1 21	14 36	0 25	16 57	1 0	20 32	1 38	8 35	0 44	21 4	0 18	18 18	3 33	21 55	21 59	10 34			n.a.
S 12	6 2	16 27	3 58	2 52	2 9	10 25	1 23	14 51	0 26	16 54	1 0	20 32	1 38	8 34	0 44	21 4	0 18	18 18	3 33	21 56	22 0	10 32			n.a.
S 13	6 26	19 34	3 8	2 15	2 6	9 59	1 25	15 7	0 26	16 52	1 1	20 32	1 38	8 32	0 44	21 4	0 18	18 19	3 33	21 57	22 0	10 30			n.a.
M14	6 49	21 32	2 9	1 37	2 3	9 34	1 27	15 21	0 27	16 49	1 1	20 32	1 38	8 31	0 44	21 3	0 18	18 19	3 33	21 58	22 1	10 28			n.a.
T 15	7 13	22 19	1 5	0 58	2 0	9 8	1 29	15 36	0 28	16 46	1 1	20 32	1 37	8 30	0 44	21 3	0 18	18 19	3 33	21 58	22 1	10 26			n.a.
W16	7 36	21 58	0 0	0 18	1 56	8 42	1 31	15 51	0 28	16 44	1 1	20 32	1 37	8 29	0 44	21 3	0 18	18 20	3 32	21 58	22 2	10 24			n.a.
T 17	7 59	20 35	1n 4	0 s22	1 51	8 15	1 33	16 6	0 29	16 41	1 1	20 32	1 37	8 28	0 44	21 3	0 18	18 20	3 32	21 58	22 2	10 22			n.a.
F 18	8 22	18 18	2 3	1 4	1 46	7 49	1 35	16 20	0 30	16 38	1 2	20 32	1 37	8 27	0 44	21 3	0 18	18 21	3 32	21 58	22 3	10 20			n.a.
S 19	8 45	15 17	2 57	1 45	1 41	7 22	1 37	16 34	0 30	16 36	1 2	20 31	1 37	8 25	0 44	21 3	0 18	18 21	3 32	21 59	22 3	10 18			n.a.
S 20	9 8	11 39	3 43	2 28	1 36	6 55	1 38	16 49	0 31	16 33	1 2	20 31	1 37	8 24	0 44	21 3	0 18	18 22	3 32	22 0	22 4	10 15			n.a.
M21	9 31	7 33	4 20	3 10	1 30	6 27	1 40	17 3	0 31	16 31	1 2	20 31	1 37	8 23	0 44	21 3	0 18	18 22	3 32	22 1	22 4	10 13			n.a.
T 22	9 53	3 8	4 45	3 52	1 24	5 59	1 41	17 16	0 32	16 29	1 3	20 31	1 37	8 22	0 45	21 3	0 18	18 22	3 31	22 3	22 5	10 11			n.a.
W23	10 16	1 s26	4 58	4 35	1 18	5 32	1 42	17 30	0 33	16 26	1 3	20 30	1 37	8 21	0 45	21 3	0 18	18 23	3 31	22 5	22 5	10 9			n.a.
T 24	10 38	6 1	4 57	5 17	1 12	5 3	1 44	17 44	0 33	16 24	1 3	20 30	1 37	8 20	0 45	21 3	0 18	18 23	3 31	22 8	22 6	10 7			n.a.
F 25	11 0	10 25	4 43	6 0	1 6	4 35	1 45	17 57	0 34	16 22	1 3	20 30	1 36	8 19	0 45	21 3	0 18	18 24	3 31	22 10	22 6	10 5			n.a.
S 26	11 22	14 27	4 15	6 42	0 59	4 7	1 46	18 10	0 34	16 19	1 4	20 29	1 36	8 18	0 45	21 2	0 18	18 24	3 31	22 12	22 7	10 3			n.a.
S 27	11 43	17 53	3 33	7 24	0 53	3 38	1 47	18 24	0 35	16 17	1 4	20 29	1 36	8 17	0 45	21 2	0 18	18 25	3 31	22 13	22 7	10 0			n.a.
M28	12 5	20 30	2 40	8 6	0 46	3 9	1 47	18 36	0 35	16 15	1 4	20 28	1 36	8 16	0 45	21 2	0 19	18 25	3 30	22 14	22 8	9 58			n.a.
T 29	12 26	22 5	1 38	8 48	0 39	2 40	1 48	18 49	0 36	16 13	1 4	20 28	1 36	8 15	0 45	21 2	0 19	18 26	3 30	22 15	22 8	9 56			n.a.
W30	12 47	22 28	0 29	9 29	0 33	2 11	1 49	19 2	0 37	16 11	1 5	20 27	1 36	8 14	0 45	21 2	0 19	18 26	3 30	22 15	22 9	9 54			n.a.
T 31	13 s 8	21 s33	0 s42	10 s10	0n26	1n42	1n49	19 s14	0 s37	16n 9	1n 5	20 s27	1 s36	8n13	0n45	21n 2	0n19	18 s26	3n30	22n15	22n 9	9n52			n.a.

Julian Day Number = 1642802.5, Delta T = 03h35m26s
Ecliptic obliquity = 23°43'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'27, Lahiri = - 6°55'27 Julian Calendar 1 Oct. 216 BCE == Greg. Calendar 27 Sept. 216 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

NOVEMBER 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 25 35	5♏24'55	11♒35	28♎41	1♎ 8	23♏23	19♌41	6♒24	11♍ 4	28♋20	7♐59	19°R45	20♋20	15♍ 2	n.a.	F 1
S 2	2 29 32	6°25'54	25°41	0♏16	2°22	24° 8	19°48	6°26	11° 6	28°20	8° 1	19♋43	20°17	15° 9	n.a.	S 2
S 3	2 33 28	7°26'55	10♓ 5	1°50	3°36	24°54	19°55	6°28	11° 9	28°21	8° 3	19°40	20°14	15°16	n.a.	S 3
M 4	2 37 25	8°27'55	24°43	3°24	4°50	25°40	20° 2	6°30	11°11	28°R21	8° 5	19°33	20°11	15°22	n.a.	M 4
T 5	2 41 21	9°28'57	9♈30	4°58	6° 4	26°25	20° 8	6°33	11°13	28°21	8° 7	19°25	20° 8	15°29	n.a.	T 5
W 6	2 45 18	10°29'59	24°18	6°33	7°18	27°11	20°15	6°35	11°16	28°20	8° 9	19°14	20° 5	15°36	n.a.	W 6
T 7	2 49 14	11°31'03	8♉59	8° 7	8°32	27°57	20°21	6°38	11°18	28°20	8°11	19° 3	20° 1	15°42	n.a.	T 7
F 8	2 53 11	12°32'07	23°26	9°41	9°46	28°43	20°27	6°40	11°21	28°20	8°13	18°53	19°58	15°49	n.a.	F 8
S 9	2 57 7	13°33'12	7♊30	11°15	11° 0	29°29	20°33	6°43	11°23	28°20	8°15	18°44	19°55	15°56	n.a.	S 9
S 10	3 1 4	14°34'18	21°10	12°50	12°14	0♐15	20°38	6°46	11°25	28°20	8°16	18°38	19°52	16° 2	n.a.	S 10
M11	3 5 1	15°35'25	4♋23	14°24	13°28	1° 1	20°44	6°48	11°27	28°20	8°18	18°35	19°49	16° 9	n.a.	M11
T 12	3 8 57	16°36'34	17°11	15°58	14°42	1°47	20°49	6°51	11°29	28°19	8°20	18°D34	19°45	16°16	n.a.	T 12
W13	3 12 54	17°37'43	29°37	17°33	15°57	2°33	20°54	6°54	11°31	28°19	8°23	18°34	19°42	16°23	n.a.	W13
T 14	3 16 50	18°38'53	11♌46	19° 8	17°11	3°20	21° 0	6°58	11°33	28°19	8°25	18°35	19°39	16°29	n.a.	T 14
F 15	3 20 47	19°40'04	23°44	20°42	18°25	4° 6	21° 4	7° 1	11°35	28°18	8°27	18°R35	19°36	16°36	n.a.	F 15
S 16	3 24 43	20°41'15	5♍34	22°17	19°40	4°52	21° 9	7° 4	11°37	28°18	8°29	18°34	19°33	16°43	n.a.	S 16
S 17	3 28 40	21°42'28	17°24	23°52	20°54	5°38	21°14	7° 8	11°39	28°18	8°31	18°30	19°30	16°49	n.a.	S 17
M18	3 32 36	22°43'41	29°17	25°27	22° 9	6°25	21°18	7°11	11°41	28°17	8°33	18°24	19°26	16°56	n.a.	M18
T 19	3 36 33	23°44'55	11♎18	27° 2	23°23	7°11	21°22	7°15	11°43	28°17	8°35	18°16	19°23	17° 3	n.a.	T 19
W20	3 40 30	24°46'09	23°29	28°38	24°38	7°58	21°26	7°19	11°44	28°16	8°37	18° 6	19°20	17° 9	n.a.	W20
T 21	3 44 26	25°47'25	5♏53	0♐13	25°52	8°44	21°30	7°22	11°46	28°16	8°39	17°56	19°17	17°16	n.a.	T 21
F 22	3 48 23	26°48'40	18°30	1°49	27° 7	9°31	21°34	7°26	11°48	28°15	8°41	17°46	19°14	17°23	n.a.	F 22
S 23	3 52 19	27°49'56	1♐21	3°25	28°22	10°17	21°37	7°30	11°49	28°14	8°43	17°37	19°11	17°30	n.a.	S 23
S 24	3 56 16	28°51'13	14°24	5° 1	29°36	11° 4	21°41	7°34	11°51	28°14	8°45	17°30	19° 7	17°36	n.a.	S 24
M25	4 0 12	29°52'29	27°40	6°38	0♏51	11°50	21°44	7°38	11°52	28°13	8°47	17°26	19° 4	17°43	n.a.	M25
T 26	4 4 9	0♐53'46	11♑ 6	8°14	2° 6	12°37	21°47	7°43	11°54	28°12	8°49	17°D24	19° 1	17°50	n.a.	T 26
W27	4 8 6	1°55'02	24°42	9°51	3°20	13°24	21°50	7°47	11°55	28°12	8°52	17°24	18°58	17°56	n.a.	W27
T 28	4 12 2	2°56'19	8♒28	11°28	4°35	14°10	21°52	7°51	11°56	28°11	8°54	17°25	18°55	18° 3	n.a.	T 28
F 29	4 15 59	3°57'35	22°22	13° 5	5°50	14°57	21°55	7°56	11°58	28°10	8°56	17°26	18°51	18°10	n.a.	F 29
S 30	4 19 55	4♐58'51	6♓25	14♐42	7♏ 4	15♐44	21♌57	8♒ 1	11♍59	28♋ 9	8♐58	17°R27	18♋48	18♍17	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s29	19s19	1s53	10s50	0n19	1n13	1n50	19s27	0s38	16n 7	1n 5	20s26	1s36	8n12	0n45	21n 2	0n19	18s27	3n30	22n15	22n10	9n50		n.a.
S 2	13 49	15 54	2 58	11 30	0 13	0 44	1 50	19 39	0 38	16 5	1 5	20 26	1 36	8 11	0 45	21 2	0 19	18 27	3 30	22 15	22 10	9 48		n.a.
S 3	14 10	11 28	3 53	12 10	0 6	0 14	1 50	19 50	0 39	16 3	1 6	20 25	1 36	8 10	0 45	21 2	0 19	18 28	3 29	22 16	22 11	9 45		n.a.
M 4	14 29	6 19	4 34	12 49	0s 1	0s15	1 51	20 2	0 39	16 1	1 6	20 24	1 35	8 9	0 45	21 2	0 19	18 28	3 29	22 17	22 11	9 43		n.a.
T 5	14 49	0 45	4 58	13 27	0 7	0 44	1 51	20 14	0 40	15 59	1 6	20 24	1 35	8 8	0 45	21 2	0 19	18 29	3 29	22 18	22 11	9 41		n.a.
W 6	15 9	4n52	5 1	14 5	0 14	1 14	1 51	20 25	0 40	15 57	1 6	20 23	1 35	8 7	0 45	21 2	0 19	18 29	3 29	22 19	22 12	9 39		n.a.
T 7	15 28	10 10	4 44	14 42	0 21	1 44	1 51	20 36	0 41	15 56	1 7	20 22	1 35	8 6	0 45	21 2	0 19	18 30	3 29	22 21	22 12	9 37		n.a.
F 8	15 47	14 49	4 9	15 19	0 27	2 13	1 51	20 47	0 41	15 54	1 7	20 21	1 35	8 5	0 45	21 3	0 19	18 30	3 29	22 22	22 13	9 34		n.a.
S 9	16 6	18 32	3 20	15 55	0 33	2 43	1 50	20 58	0 42	15 52	1 7	20 21	1 35	8 4	0 45	21 3	0 19	18 30	3 29	22 24	22 13	9 32		n.a.
S 10	16 24	21 5	2 21	16 30	0 39	3 12	1 50	21 8	0 42	15 51	1 7	20 20	1 35	8 4	0 45	21 3	0 19	18 31	3 28	22 24	22 14	9 30		n.a.
M11	16 42	22 24	1 15	17 4	0 46	3 42	1 50	21 18	0 43	15 49	1 8	20 19	1 35	8 3	0 45	21 3	0 19	18 31	3 28	22 25	22 14	9 28		n.a.
T 12	17 0	22 29	0 7	17 38	0 52	4 11	1 49	21 28	0 43	15 48	1 8	20 18	1 35	8 2	0 45	21 3	0 19	18 32	3 28	22 25	22 15	9 26		n.a.
W13	17 17	21 26	0n59	18 11	0 57	4 41	1 49	21 38	0 44	15 46	1 8	20 17	1 35	8 1	0 45	21 3	0 19	18 32	3 28	22 25	22 15	9 23		n.a.
T 14	17 35	19 23	2 1	18 43	1 3	5 10	1 48	21 48	0 44	15 45	1 8	20 16	1 35	8 0	0 45	21 3	0 19	18 33	3 28	22 25	22 16	9 21		n.a.
F 15	17 51	16 32	2 57	19 15	1 9	5 39	1 47	21 57	0 45	15 43	1 9	20 15	1 34	8 0	0 45	21 3	0 19	18 33	3 28	22 25	22 16	9 19		n.a.
S 16	18 8	13 2	3 44	19 45	1 14	6 8	1 47	22 6	0 45	15 42	1 9	20 14	1 34	7 59	0 45	21 3	0 19	18 34	3 28	22 25	22 17	9 17		n.a.
S 17	18 24	9 3	4 22	20 14	1 19	6 37	1 46	22 15	0 46	15 41	1 9	20 13	1 34	7 58	0 45	21 3	0 19	18 34	3 27	22 26	22 17	9 15		n.a.
M18	18 40	4 42	4 49	20 43	1 24	7 6	1 45	22 24	0 46	15 40	1 10	20 12	1 34	7 58	0 45	21 3	0 19	18 34	3 27	22 26	22 18	9 12		n.a.
T 19	18 56	0 7	5 3	21 10	1 29	7 35	1 44	22 32	0 47	15 39	1 10	20 11	1 34	7 57	0 45	21 4	0 19	18 35	3 27	22 27	22 18	9 10		n.a.
W20	19 11	4s31	5 4	21 37	1 34	8 4	1 43	22 40	0 47	15 38	1 10	20 10	1 34	7 56	0 46	21 4	0 19	18 35	3 27	22 29	22 18	9 8		n.a.
T 21	19 26	9 4	4 51	22 2	1 38	8 32	1 42	22 48	0 48	15 37	1 10	20 9	1 34	7 56	0 46	21 4	0 19	18 36	3 27	22 30	22 19	9 6		n.a.
F 22	19 40	13 19	4 23	22 26	1 43	9 0	1 40	22 56	0 48	15 36	1 11	20 8	1 34	7 55	0 46	21 4	0 19	18 36	3 27	22 32	22 19	9 4		n.a.
S 23	19 55	17 3	3 42	22 50	1 47	9 28	1 39	23 3	0 49	15 35	1 11	20 7	1 34	7 55	0 46	21 4	0 19	18 37	3 27	22 33	22 20	9 1		n.a.
S 24	20 8	20 1	2 48	23 11	1 50	9 56	1 38	23 11	0 49	15 34	1 11	20 6	1 34	7 54	0 46	21 4	0 19	18 37	3 27	22 34	22 20	8 59		n.a.
M25	20 22	21 58	1 44	23 32	1 54	10 24	1 36	23 17	0 50	15 33	1 12	20 5	1 34	7 54	0 46	21 4	0 19	18 38	3 26	22 34	22 21	8 57		n.a.
T 26	20 35	22 41	0 34	23 51	1 57	10 51	1 35	23 24	0 50	15 33	1 12	20 4	1 33	7 53	0 46	21 5	0 19	18 38	3 26	22 34	22 21	8 55		n.a.
W27	20 47	22 5	0s39	24 9	1 59	11 19	1 33	23 31	0 50	15 32	1 12	20 2	1 33	7 53	0 46	21 5	0 19	18 38	3 26	22 34	22 22	8 52		n.a.
T 28	21 0	20 9	1 51	24 26	2 2	11 46	1 32	23 37	0 51	15 31	1 13	20 1	1 33	7 52	0 46	21 5	0 19	18 39	3 26	22 34	22 22	8 50		n.a.
F 29	21 11	17 1	2 58	24 41	2 4	12 12	1 30	23 43	0 51	15 31	1 13	20 0	1 33	7 52	0 46	21 5	0 19	18 39	3 26	22 34	22 23	8 48		n.a.
S 30	21s23	12s53	3s54	24s55	2s 6	12s39	1n28	23s48	0s52	15n30	1n13	19s59	1s33	7n51	0n46	21n 5	0n19	18s40	3n26	22n34	22n23	8n46		n.a.

Julian Day Number = 1642833.5, Delta T = 03h35m25s
Ecliptic obliquity = 23°43'14, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'23, Lahiri = - 6°55'22 Julian Calendar 1 Nov. 216 BCE == Greg. Calendar 28 Oct. 216 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 216 BCE
geocentric

DECEMBER 216 BCE (-215) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 23 52	6♐ 0'06	20♓36	16♐19	8♏19	16♐31	21♌59	8♒ 5	12♍ 0	28°R 8	9♐ 0	17°R26	18♋45	18♍23	n.a.	S 1
M 2	4 27 48	7° 1'21	4♈53	17°57	9°34	17°18	22° 1	8°10	12° 1	28♋ 7	9° 2	17♋23	18°42	18°30	n.a.	M 2
T 3	4 31 45	8° 2'36	19°13	19°34	10°49	18° 4	22° 3	8°15	12° 2	28° 7	9° 4	17°18	18°39	18°37	n.a.	T 3
W 4	4 35 41	9° 3'51	3♉32	21°11	12° 3	18°51	22° 4	8°20	12° 3	28° 6	9° 6	17°13	18°36	18°43	n.a.	W 4
T 5	4 39 38	10° 5'05	17°44	22°48	13°18	19°38	22° 5	8°25	12° 4	28° 5	9° 9	17° 6	18°32	18°50	n.a.	T 5
F 6	4 43 35	11° 6'19	1♊46	24°25	14°33	20°25	22° 6	8°30	12° 5	28° 4	9°11	17° 0	18°29	18°57	n.a.	F 6
S 7	4 47 31	12° 7'32	15°32	26° 1	15°48	21°12	22° 7	8°35	12° 6	28° 3	9°13	16°56	18°26	19° 3	n.a.	S 7
S 8	4 51 28	13° 8'46	28°59	27°37	17° 3	21°59	22° 8	8°40	12° 6	28° 2	9°15	16°53	18°23	19°10	n.a.	S 8
M 9	4 55 24	14° 9'59	12♋ 5	29°12	18°17	22°46	22° 9	8°45	12° 7	28° 0	9°17	16°D51	18°20	19°17	n.a.	M 9
T 10	4 59 21	15°11'12	24°51	0♏45	19°32	23°33	22° 9	8°51	12° 8	27°59	9°19	16°51	18°17	19°24	n.a.	T 10
W11	5 3 17	16°12'24	7♌18	2°18	20°47	24°20	22°R 9	8°56	12° 8	27°58	9°21	16°53	18°13	19°30	n.a.	W11
T 12	5 7 14	17°13'37	19°30	3°49	22° 2	25° 7	22° 9	9° 1	12° 9	27°57	9°23	16°54	18°10	19°37	n.a.	T 12
F 13	5 11 10	18°14'49	1♍30	5°18	23°17	25°55	22° 9	9° 7	12° 9	27°56	9°26	16°56	18° 7	19°44	n.a.	F 13
S 14	5 15 7	19°16'01	13°23	6°45	24°32	26°42	22° 8	9°13	12°10	27°55	9°28	16°57	18° 4	19°50	n.a.	S 14
S 15	5 19 4	20°17'12	25°14	8° 9	25°47	27°29	22° 8	9°18	12°10	27°53	9°30	16°R57	18° 1	19°57	n.a.	S 15
M16	5 23 0	21°18'24	7♎ 9	9°30	27° 2	28°16	22° 7	9°24	12°10	27°52	9°32	16°56	17°57	20° 4	n.a.	M16
T 17	5 26 57	22°19'34	19°10	10°46	28°16	29° 3	22° 6	9°30	12°11	27°51	9°34	16°54	17°54	20°11	n.a.	T 17
W18	5 30 53	23°20'45	1♏24	11°59	29°31	29°50	22° 5	9°36	12°11	27°50	9°36	16°51	17°51	20°17	n.a.	W18
T 19	5 34 50	24°21'55	13°53	13° 5	0♐46	0♏38	22° 3	9°42	12°11	27°48	9°38	16°47	17°48	20°24	n.a.	T 19
F 20	5 38 46	25°23'04	26°40	14° 6	2° 1	1°25	22° 2	9°47	12°11	27°47	9°40	16°43	17°45	20°31	n.a.	F 20
S 21	5 42 43	26°24'13	9♐45	15° 0	3°16	2°12	22° 0	9°54	12°R11	27°46	9°42	16°40	17°42	20°37	n.a.	S 21
S 22	5 46 40	27°25'21	23° 8	15°46	4°31	2°59	21°58	10° 0	12°11	27°44	9°44	16°38	17°38	20°44	n.a.	S 22
M23	5 50 36	28°26'29	6♏48	16°23	5°46	3°47	21°56	10° 6	12°11	27°43	9°46	16°37	17°35	20°51	n.a.	M23
T 24	5 54 33	29°27'35	20°41	16°51	7° 1	4°34	21°53	10°12	12°11	27°41	9°48	16°D36	17°32	20°57	n.a.	T 24
W25	5 58 29	0♏28'40	4♒46	17° 8	8°16	5°21	21°51	10°18	12°11	27°40	9°50	16°37	17°29	21° 4	n.a.	W25
T 26	6 2 26	1°29'45	18°57	17°R15	9°31	6° 9	21°48	10°25	12°10	27°38	9°52	16°38	17°26	21°11	n.a.	T 26
F 27	6 6 22	2°30'47	3♓11	17°10	10°46	6°56	21°45	10°31	12°10	27°37	9°54	16°39	17°23	21°18	n.a.	F 27
S 28	6 10 19	3°31'49	17°26	16°54	12° 0	7°43	21°42	10°37	12°10	27°35	9°56	16°40	17°19	21°24	n.a.	S 28
S 29	6 14 15	4°32'49	1♈39	16°26	13°15	8°31	21°39	10°44	12° 9	27°34	9°58	16°R41	17°16	21°31	n.a.	S 29
M30	6 18 12	5°33'48	15°47	15°48	14°30	9°18	21°35	10°50	12° 9	27°32	10° 0	16°41	17°13	21°38	n.a.	M30
T 31	6 22 9	6♏34'45	29♈49	15♏ 0	15♐45	10♏ 5	21♌32	10♒57	12♍ 8	27♋31	10♐ 2	16♋40	17♋10	21♍44	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	21s34	8s 0	4s37	25s 7	2s 7	13s 5	1n27	23s54	0s52	15n30	1n13	19s57	1s33	7n51	0n46	21n 5	0n19	18s40	3n26	22n34	22n23	8n43			n.a.
M 2	21 44	2 39	5 3	25 17	2 8	13 30	1 25	23 59	0 53	15 30	1 14	19 56	1 33	7 50	0 46	21 6	0 19	18 41	3 26	22 35	22 24	8 41			n.a.
T 3	21 54	2n50	5 10	25 26	2 8	13 56	1 23	24 3	0 53	15 29	1 14	19 55	1 33	7 50	0 46	21 6	0 19	18 41	3 26	22 35	22 24	8 39			n.a.
W 4	22 4	8 11	4 58	25 33	2 8	14 21	1 21	24 8	0 53	15 29	1 14	19 53	1 33	7 50	0 46	21 6	0 19	18 41	3 26	22 36	22 25	8 37			n.a.
T 5	22 13	13 3	4 27	25 38	2 7	14 46	1 19	24 12	0 54	15 29	1 15	19 52	1 33	7 49	0 46	21 6	0 19	18 42	3 25	22 37	22 25	8 34			n.a.
F 6	22 22	17 9	3 41	25 42	2 6	15 10	1 17	24 16	0 54	15 29	1 15	19 51	1 33	7 49	0 46	21 7	0 19	18 42	3 25	22 37	22 26	8 32			n.a.
S 7	22 31	20 14	2 42	25 44	2 4	15 34	1 15	24 20	0 55	15 29	1 15	19 49	1 33	7 49	0 46	21 7	0 19	18 43	3 25	22 38	22 26	8 30			n.a.
S 8	22 39	22 7	1 36	25 44	2 2	15 58	1 13	24 23	0 55	15 29	1 16	19 48	1 33	7 49	0 46	21 7	0 19	18 43	3 25	22 38	22 27	8 28			n.a.
M 9	22 46	22 44	0 26	25 42	1 59	16 21	1 11	24 26	0 55	15 29	1 16	19 46	1 33	7 48	0 46	21 7	0 19	18 43	3 25	22 39	22 27	8 25			n.a.
T 10	22 53	22 7	0n44	25 38	1 55	16 44	1 8	24 29	0 56	15 29	1 16	19 45	1 32	7 48	0 46	21 7	0 19	18 44	3 25	22 39	22 27	8 23			n.a.
W11	23 0	20 26	1 50	25 33	1 51	17 6	1 6	24 32	0 56	15 30	1 16	19 43	1 32	7 48	0 46	21 8	0 19	18 44	3 25	22 38	22 28	8 21			n.a.
T 12	23 6	17 49	2 49	25 25	1 45	17 28	1 4	24 34	0 56	15 30	1 17	19 42	1 32	7 48	0 46	21 8	0 19	18 45	3 25	22 38	22 28	8 18			n.a.
F 13	23 12	14 30	3 41	25 16	1 39	17 49	1 2	24 36	0 57	15 30	1 17	19 40	1 32	7 48	0 46	21 8	0 20	18 45	3 25	22 38	22 29	8 16			n.a.
S 14	23 17	10 37	4 22	25 5	1 32	18 10	0 59	24 38	0 57	15 31	1 17	19 39	1 32	7 48	0 47	21 9	0 20	18 45	3 25	22 38	22 29	8 14			n.a.
S 15	23 22	6 22	4 52	24 52	1 24	18 30	0 57	24 39	0 57	15 31	1 18	19 37	1 32	7 47	0 47	21 9	0 20	18 46	3 25	22 38	22 30	8 12			n.a.
M16	23 26	1 52	5 10	24 38	1 16	18 50	0 55	24 40	0 58	15 32	1 18	19 35	1 32	7 47	0 47	21 9	0 20	18 46	3 24	22 38	22 30	8 9			n.a.
T 17	23 30	2s45	5 14	24 22	1 6	19 10	0 52	24 41	0 58	15 32	1 18	19 34	1 32	7 47	0 47	21 9	0 20	18 47	3 24	22 38	22 30	8 7			n.a.
W18	23 33	7 21	5 4	24 5	0 55	19 29	0 50	24 42	0 58	15 33	1 19	19 32	1 32	7 47	0 47	21 10	0 20	18 47	3 24	22 39	22 31	8 5			n.a.
T 19	23 36	11 44	4 40	23 47	0 43	19 47	0 47	24 42	0 59	15 34	1 19	19 30	1 32	7 47	0 47	21 10	0 20	18 47	3 24	22 39	22 31	8 2			n.a.
F 20	23 38	15 44	4 1	23 27	0 30	20 5	0 45	24 42	0 59	15 35	1 19	19 29	1 32	7 47	0 47	21 10	0 20	18 48	3 24	22 40	22 32	8 0			n.a.
S 21	23 40	19 3	3 9	23 8	0 16	20 22	0 42	24 41	0 59	15 35	1 19	19 27	1 32	7 47	0 47	21 10	0 20	18 48	3 24	22 40	22 32	7 58			n.a.
S 22	23 42	21 27	2 6	22 47	0 1	20 39	0 40	24 41	0 59	15 36	1 20	19 25	1 32	7 47	0 47	21 11	0 20	18 48	3 24	22 40	22 33	7 55			n.a.
M23	23 43	22 39	0 54	22 27	0n15	20 55	0 37	24 40	1 0	15 37	1 20	19 24	1 32	7 47	0 47	21 11	0 20	18 49	3 24	22 40	22 33	7 53			n.a.
T 24	23 43	22 29	0s23	22 7	0 32	21 10	0 35	24 38	1 0	15 38	1 20	19 22	1 32	7 48	0 47	21 11	0 20	18 49	3 24	22 40	22 33	7 51			n.a.
W25	23 43	20 54	1 39	21 47	0 50	21 25	0 32	24 37	1 0	15 40	1 21	19 20	1 32	7 48	0 47	21 12	0 20	18 50	3 24	22 40	22 34	7 48			n.a.
T 26	23 43	18 0	2 49	21 28	1 8	21 39	0 29	24 35	1 1	15 41	1 21	19 18	1 32	7 48	0 47	21 12	0 20	18 50	3 24	22 40	22 34	7 46			n.a.
F 27	23 42	14 1	3 50	21 11	1 26	21 53	0 27	24 33	1 1	15 42	1 21	19 17	1 32	7 48	0 47	21 12	0 20	18 50	3 24	22 40	22 35	7 44			n.a.
S 28	23 40	9 15	4 36	20 54	1 45	22 6	0 24	24 30	1 1	15 43	1 21	19 15	1 32	7 48	0 47	21 13	0 20	18 51	3 24	22 40	22 35	7 41			n.a.
S 29	23 38	4 0	5 6	20 39	2 3	22 18	0 22	24 28	1 1	15 45	1 22	19 13	1 32	7 48	0 47	21 13	0 20	18 51	3 24	22 40	22 35	7 39			n.a.
M30	23 36	1n25	5 17	20 26	2 21	22 30	0 19	24 25	1 2	15 46	1 22	19 11	1 32	7 49	0 47	21 13	0 20	18 51	3 24	22 40	22 36	7 37			n.a.
T 31	23s33	6n44	5s 8	20s15	2n38	22s41	0n16	24s21	1s 2	15n47	1n22	19s 9	1s32	7n49	0n47	21n14	0n20	18s52	3n24	22n40	22n36	7n34			n.a.

Julian Day Number = 1642863.5, Delta T = 03h35m24s
Ecliptic obliquity = 23°43'13, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'19, Lahiri = - 6°55'18 Julian Calendar 1 Dec. 216 BCE == Greg. Calendar 27 Nov. 216 BCE

The year -215 astronomical counting style corresponds to year 216 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

JANUARY 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 26 5	7♉35'41	13♉42	14°R 3	17♐ 0	10♉53	21°R28	11♒ 3	12°R 8	27°R29	10♐ 4	16°R39	17♋ 7	21♍51	n.a.	W 1
T 2	6 30 2	8°36'35	27°26	12♉59	18°15	11°40	21♌24	11°10	12♍ 7	27♋28	10° 6	16♋38	17° 3	21°58	n.a.	T 2
F 3	6 33 58	9°37'28	10♊58	11°50	19°30	12°28	21°20	11°17	12° 6	27°26	10° 8	16°37	17° 0	22° 5	n.a.	F 3
S 4	6 37 55	10°38'20	24°16	10°38	20°45	13°15	21°15	11°24	12° 6	27°25	10°10	16°36	16°57	22°11	n.a.	S 4
S 5	6 41 51	11°39'10	7♋21	9°25	21°59	14° 2	21°11	11°30	12° 5	27°23	10°12	16°36	16°54	22°18	n.a.	S 5
M 6	6 45 48	12°39'59	20°11	8°12	23°14	14°50	21° 6	11°37	12° 4	27°21	10°14	16°D36	16°51	22°25	n.a.	M 6
T 7	6 49 44	13°40'46	2♌47	7° 3	24°29	15°37	21° 1	11°44	12° 3	27°20	10°16	16°36	16°48	22°31	n.a.	T 7
W 8	6 53 41	14°41'32	15° 8	5°58	25°44	16°25	20°56	11°51	12° 2	27°18	10°17	16°36	16°44	22°38	n.a.	W 8
T 9	6 57 38	15°42'17	27°18	4°59	26°59	17°12	20°51	11°58	12° 1	27°17	10°19	16°36	16°41	22°45	n.a.	T 9
F 10	7 1 34	16°43'01	9♍18	4° 7	28°14	17°59	20°46	12° 5	12° 0	27°15	10°21	16°R36	16°38	22°52	n.a.	F 10
S 11	7 5 31	17°43'43	21°12	3°22	29°28	18°47	20°40	12°12	11°59	27°13	10°23	16°36	16°35	22°58	n.a.	S 11
S 12	7 9 27	18°44'24	3♎ 4	2°46	0♉43	19°34	20°35	12°19	11°58	27°12	10°25	16°36	16°32	23° 5	n.a.	S 12
M13	7 13 24	19°45'04	14°58	2°17	1°58	20°21	20°29	12°26	11°56	27°10	10°26	16°D36	16°29	23°12	n.a.	M13
T 14	7 17 20	20°45'42	26°58	1°56	3°13	21° 9	20°23	12°33	11°55	27° 8	10°28	16°36	16°25	23°18	n.a.	T 14
W15	7 21 17	21°46'19	9♏11	1°43	4°28	21°56	20°17	12°40	11°54	27° 7	10°30	16°36	16°22	23°25	n.a.	W15
T 16	7 25 13	22°46'55	21°38	1°D38	5°42	22°44	20°11	12°47	11°53	27° 5	10°31	16°37	16°19	23°32	n.a.	T 16
F 17	7 29 10	23°47'29	4♐26	1°40	6°57	23°31	20° 5	12°54	11°51	27° 3	10°33	16°37	16°16	23°39	n.a.	F 17
S 18	7 33 7	24°48'02	17°36	1°48	8°12	24°18	19°58	13° 1	11°50	27° 2	10°35	16°38	16°13	23°45	n.a.	S 18
S 19	7 37 3	25°48'34	1♉10	2° 3	9°27	25° 6	19°52	13° 9	11°48	27° 0	10°36	16°39	16° 9	23°52	n.a.	S 19
M20	7 41 0	26°49'04	15° 6	2°24	10°42	25°53	19°45	13°16	11°47	26°58	10°38	16°R39	16° 6	23°59	n.a.	M20
T 21	7 44 56	27°49'32	29°22	2°50	11°56	26°40	19°39	13°23	11°45	26°57	10°40	16°39	16° 3	24° 5	n.a.	T 21
W22	7 48 53	28°49'59	13♒54	3°21	13°11	27°28	19°32	13°30	11°43	26°55	10°41	16°38	16° 0	24°12	n.a.	W22
T 23	7 52 49	29°50'23	28°35	3°57	14°26	28°15	19°25	13°38	11°42	26°53	10°43	16°37	15°57	24°19	n.a.	T 23
F 24	7 56 46	0♒50'46	13♓18	4°37	15°41	29° 2	19°18	13°45	11°40	26°52	10°44	16°35	15°54	24°26	n.a.	F 24
S 25	8 0 42	1°51'06	27°57	5°21	16°55	29°50	19°11	13°52	11°38	26°50	10°46	16°33	15°50	24°32	n.a.	S 25
S 26	8 4 39	2°51'24	12♈25	6° 9	18°10	0♒37	19° 3	14° 0	11°37	26°48	10°47	16°32	15°47	24°39	n.a.	S 26
M27	8 8 36	3°51'40	26°39	7° 1	19°25	1°24	18°56	14° 7	11°35	26°47	10°49	16°31	15°44	24°46	n.a.	M27
T 28	8 12 32	4°51'54	10♉36	7°55	20°39	2°12	18°49	14°14	11°33	26°45	10°50	16°D31	15°41	24°52	n.a.	T 28
W29	8 16 29	5°52'06	24°17	8°52	21°54	2°59	18°41	14°22	11°31	26°43	10°51	16°31	15°38	24°59	n.a.	W29
T 30	8 20 25	6°52'16	7♊41	9°53	23° 9	3°46	18°34	14°29	11°29	26°42	10°53	16°33	15°35	25° 6	n.a.	T 30
F 31	8 24 22	7♒52'23	20♊49	10♉55	24♉23	4♒33	18♌26	14♒37	11♍27	26♋40	10♐54	16♋34	15♋31	25♍13	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23s30	11n39	4s42	20s 6	2n53	22s51	0n14	24s18	1s 2	15n49	1n23	19s 7	1s32	7n49	0n47	21n14	0n20	18s52	3n23	22n40	22n37	7n32			n.a.
T 2	23 26	15 55	4 0	19 59	3 7	23 0	0 11	24 14	1 2	15 51	1 23	19 6	1 32	7 49	0 47	21 14	0 20	18 52	3 23	22 40	22 37	7 30			n.a.
F 3	23 22	19 18	3 5	19 53	3 19	23 9	0 9	24 10	1 2	15 52	1 23	19 4	1 32	7 50	0 47	21 15	0 20	18 53	3 23	22 40	22 37	7 27			n.a.
S 4	23 17	21 35	2 1	19 50	3 28	23 18	0 6	24 5	1 3	15 54	1 23	19 2	1 32	7 50	0 47	21 15	0 20	18 53	3 23	22 41	22 38	7 25			n.a.
S 5	23 12	22 40	0 51	19 48	3 35	23 25	0 3	24 1	1 3	15 56	1 24	19 0	1 32	7 50	0 47	21 15	0 20	18 53	3 23	22 41	22 38	7 23			n.a.
M 6	23 7	22 31	0n20	19 48	3 40	23 32	0 1	23 56	1 3	15 57	1 24	18 58	1 31	7 51	0 47	21 16	0 20	18 54	3 23	22 41	22 39	7 20			n.a.
T 7	23 0	21 12	1 29	19 49	3 43	23 38	0s 2	23 50	1 3	15 59	1 24	18 56	1 31	7 51	0 47	21 16	0 20	18 54	3 23	22 41	22 39	7 18			n.a.
W 8	22 54	18 54	2 32	19 52	3 43	23 43	0 4	23 45	1 3	16 1	1 24	18 54	1 31	7 52	0 48	21 16	0 20	18 54	3 23	22 41	22 39	7 16			n.a.
T 9	22 47	15 47	3 27	19 57	3 41	23 48	0 7	23 39	1 4	16 3	1 25	18 52	1 31	7 52	0 48	21 17	0 20	18 54	3 23	22 40	22 40	7 13			n.a.
F 10	22 40	12 4	4 13	20 3	3 37	23 52	0 9	23 33	1 4	16 5	1 25	18 50	1 31	7 52	0 48	21 17	0 20	18 55	3 23	22 40	22 40	7 11			n.a.
S 11	22 32	7 55	4 47	20 9	3 31	23 55	0 12	23 26	1 4	16 7	1 25	18 48	1 31	7 53	0 48	21 17	0 20	18 55	3 23	22 40	22 41	7 9			n.a.
S 12	22 24	3 29	5 8	20 17	3 24	23 58	0 14	23 20	1 4	16 9	1 25	18 46	1 31	7 53	0 48	21 18	0 20	18 55	3 23	22 41	22 41	7 6			n.a.
M13	22 15	1s 6	5 17	20 26	3 16	23 59	0 17	23 13	1 4	16 11	1 26	18 44	1 31	7 54	0 48	21 18	0 20	18 56	3 23	22 41	22 41	7 4			n.a.
T 14	22 6	5 40	5 12	20 36	3 7	24 0	0 19	23 6	1 4	16 13	1 26	18 42	1 31	7 54	0 48	21 18	0 20	18 56	3 23	22 41	22 42	7 1			n.a.
W15	21 56	10 6	4 53	20 46	2 57	24 0	0 22	22 58	1 4	16 15	1 26	18 40	1 31	7 55	0 48	21 19	0 20	18 56	3 23	22 40	22 42	6 59			n.a.
T 16	21 46	14 12	4 20	20 57	2 46	24 0	0 24	22 50	1 5	16 17	1 26	18 38	1 31	7 55	0 48	21 19	0 20	18 56	3 23	22 40	22 43	6 57			n.a.
F 17	21 36	17 47	3 33	21 8	2 35	23 59	0 27	22 42	1 5	16 20	1 27	18 36	1 31	7 56	0 48	21 19	0 20	18 57	3 23	22 40	22 43	6 54			n.a.
S 18	21 25	20 35	2 34	21 19	2 23	23 57	0 29	22 34	1 5	16 22	1 27	18 34	1 32	7 57	0 48	21 20	0 20	18 57	3 23	22 40	22 43	6 52			n.a.
S 19	21 14	22 18	1 25	21 31	2 12	23 54	0 31	22 26	1 5	16 24	1 27	18 32	1 32	7 57	0 48	21 20	0 20	18 57	3 23	22 40	22 44	6 50			n.a.
M20	21 2	22 43	0 9	21 42	2 0	23 50	0 33	22 17	1 5	16 26	1 27	18 30	1 32	7 58	0 48	21 20	0 20	18 57	3 23	22 40	22 44	6 47			n.a.
T 21	20 50	21 40	1s10	21 53	1 48	23 46	0 36	22 8	1 5	16 29	1 27	18 28	1 32	7 58	0 48	21 21	0 20	18 58	3 23	22 40	22 45	6 45			n.a.
W22	20 38	19 10	2 25	22 4	1 36	23 41	0 38	21 59	1 5	16 31	1 28	18 25	1 32	7 59	0 48	21 21	0 20	18 58	3 23	22 40	22 45	6 42			n.a.
T 23	20 25	15 24	3 32	22 15	1 25	23 36	0 40	21 49	1 5	16 33	1 28	18 23	1 32	8 0	0 48	21 21	0 20	18 58	3 23	22 40	22 45	6 40			n.a.
F 24	20 12	10 42	4 24	22 25	1 13	23 29	0 42	21 39	1 5	16 36	1 28	18 21	1 32	8 0	0 48	21 22	0 20	18 58	3 23	22 41	22 46	6 38			n.a.
S 25	19 59	5 24	4 59	22 35	1 2	23 22	0 44	21 29	1 5	16 38	1 28	18 19	1 32	8 1	0 48	21 22	0 20	18 59	3 23	22 41	22 46	6 35			n.a.
S 26	19 45	0n 8	5 15	22 44	0 50	23 14	0 46	21 19	1 5	16 41	1 28	18 17	1 32	8 2	0 48	21 22	0 20	18 59	3 23	22 41	22 46	6 33			n.a.
M27	19 31	5 34	5 11	22 52	0 40	23 6	0 48	21 9	1 5	16 43	1 28	18 15	1 32	8 3	0 48	21 23	0 20	18 59	3 23	22 41	22 47	6 30			n.a.
T 28	19 16	10 37	4 48	23 0	0 29	22 57	0 50	20 58	1 5	16 46	1 29	18 13	1 32	8 3	0 48	21 23	0 20	18 59	3 23	22 41	22 47	6 28			n.a.
W29	19 2	15 1	4 10	23 7	0 18	22 47	0 52	20 47	1 5	16 48	1 29	18 11	1 32	8 4	0 48	21 23	0 20	19 0	3 23	22 41	22 48	6 26			n.a.
T 30	18 46	18 35	3 18	23 13	0 8	22 36	0 54	20 36	1 5	16 51	1 29	18 8	1 32	8 5	0 48	21 24	0 20	19 0	3 23	22 41	22 48	6 23			n.a.
F 31	18s31	21n 7	2s17	23s17	0s 2	22s25	0s56	20s24	1s 5	16n53	1n29	18s 6	1s32	8n 6	0n48	21n24	0n20	19s 0	3n23	22n41	22n48	6n21			n.a.

Julian Day Number = 1642894.5, Delta T = 03h35m23s
Ecliptic obliquity = 23°43'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'15, Lahiri = - 6°55'14 Julian Calendar 1 Jan. 215 BCE == Greg. Calendar 28 Dec. 216 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

FEBRUARY 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 28 18	8♒52'28	3♋44	12♑ 0	25♑38	5♒20	18°R19	14♒44	11°R25	26°R38	10♐56	16♋36	15♋28	25♍19	n.a.	S 1
S 2	8 32 15	9°52'31	16°26	13° 8	26°53	6° 7	18♌11	14°52	11♍23	26♋37	10°57	16°R36	15°25	25°26	n.a.	S 2
M 3	8 36 11	10°52'32	28°56	14°17	28° 7	6°55	18° 4	14°59	11°21	26°35	10°58	16°35	15°22	25°33	n.a.	M 3
T 4	8 40 8	11°52'31	11♌17	15°29	29°22	7°42	17°56	15° 6	11°19	26°33	10°59	16°34	15°19	25°39	n.a.	T 4
W 5	8 44 5	12°52'28	23°28	16°42	0♒36	8°29	17°48	15°14	11°17	26°32	11° 1	16°30	15°15	25°46	n.a.	W 5
T 6	8 48 1	13°52'23	5♍31	17°57	1°51	9°16	17°40	15°21	11°14	26°30	11° 2	16°26	15°12	25°53	n.a.	T 6
F 7	8 51 58	14°52'16	17°29	19°14	3° 6	10° 3	17°33	15°29	11°12	26°29	11° 3	16°21	15° 9	26° 0	n.a.	F 7
S 8	8 55 54	15°52'07	29°22	20°33	4°20	10°50	17°25	15°36	11°10	26°27	11° 4	16°16	15° 6	26° 6	n.a.	S 8
S 9	8 59 51	16°51'56	11♎14	21°53	5°35	11°37	17°17	15°44	11° 8	26°25	11° 5	16°11	15° 3	26°13	n.a.	S 9
M10	9 3 47	17°51'43	23° 7	23°15	6°49	12°24	17° 9	15°51	11° 6	26°24	11° 6	16° 7	15° 0	26°20	n.a.	M10
T 11	9 7 44	18°51'28	5♏ 6	24°38	8° 4	13°11	17° 1	15°59	11° 3	26°22	11° 7	16° 4	14°56	26°26	n.a.	T 11
W12	9 11 40	19°51'12	17°15	26° 3	9°18	13°58	16°53	16° 6	11° 1	26°21	11° 8	16°D 3	14°53	26°33	n.a.	W12
T 13	9 15 37	20°50'54	29°39	27°29	10°33	14°45	16°46	16°13	10°59	26°19	11° 9	16° 4	14°50	26°40	n.a.	T 13
F 14	9 19 34	21°50'34	12♐22	28°57	11°47	15°32	16°38	16°21	10°56	26°18	11°10	16° 5	14°47	26°47	n.a.	F 14
S 15	9 23 30	22°50'12	25°28	0♒26	13° 2	16°18	16°30	16°28	10°54	26°16	11°11	16° 7	14°44	26°53	n.a.	S 15
S 16	9 27 27	23°49'48	9♑ 1	1°56	14°16	17° 5	16°22	16°36	10°51	26°15	11°12	16°R 8	14°40	27° 0	n.a.	S 16
M17	9 31 23	24°49'23	23° 0	3°28	15°31	17°52	16°15	16°43	10°49	26°14	11°13	16° 8	14°37	27° 7	n.a.	M17
T 18	9 35 20	25°48'55	7♒27	5° 0	16°45	18°39	16° 7	16°50	10°46	26°12	11°14	16° 6	14°34	27°13	n.a.	T 18
W19	9 39 16	26°48'26	22°15	6°35	18° 0	19°26	15°59	16°58	10°44	26°11	11°15	16° 2	14°31	27°20	n.a.	W19
T 20	9 43 13	27°47'54	7♓17	8°10	19°14	20°12	15°52	17° 5	10°41	26° 9	11°16	15°57	14°28	27°27	n.a.	T 20
F 21	9 47 9	28°47'20	22°25	9°47	20°29	20°59	15°44	17°13	10°39	26° 8	11°16	15°51	14°25	27°34	n.a.	F 21
S 22	9 51 6	29°46'43	7♈28	11°25	21°43	21°46	15°37	17°20	10°36	26° 7	11°17	15°44	14°21	27°40	n.a.	S 22
S 23	9 55 2	0♓46'04	22°18	13° 5	22°58	22°32	15°30	17°27	10°34	26° 5	11°18	15°38	14°18	27°47	n.a.	S 23
M24	9 58 59	1°45'23	6♉47	14°46	24°12	23°19	15°22	17°35	10°31	26° 4	11°19	15°34	14°15	27°54	n.a.	M24
T 25	10 2 56	2°44'40	20°53	16°28	25°26	24° 5	15°15	17°42	10°29	26° 3	11°19	15°31	14°12	28° 0	n.a.	T 25
W26	10 6 52	3°43'54	4♊33	18°11	26°41	24°52	15° 8	17°49	10°26	26° 1	11°20	15°D30	14° 9	28° 7	n.a.	W26
T 27	10 10 49	4°43'06	17°50	19°56	27°55	25°38	15° 1	17°56	10°24	26° 0	11°20	15°31	14° 6	28°14	n.a.	T 27
F 28	10 14 45	5♓42'15	0♋47	21♒42	29♒ 9	26♒25	14♌54	18♒ 4	10♍21	25♋59	11♐21	15♋32	14♋ 2	28♍21	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s15	22n30	1s10	23s21	0s11	22s13	0s58	20s13	1s 5	16n56	1n29	18s 4	1s32	8n 6	0n48	21n24	0n20	19s 0	3n23	22n41	22n49	6n18		n.a.
S 2	17 59	22 41	0 1	23 24	0 20	22 0	1 0	20 1	1 5	16 58	1 29	18 2	1 32	8 7	0 48	21 25	0 20	19 0	3 23	22 41	22 49	6 16		n.a.
M 3	17 43	21 43	1n 7	23 26	0 29	21 47	1 1	19 49	1 5	17 1	1 29	18 0	1 32	8 8	0 48	21 25	0 20	19 0	3 23	22 41	22 49	6 13		n.a.
T 4	17 26	19 42	2 11	23 26	0 38	21 33	1 3	19 37	1 5	17 3	1 30	17 58	1 32	8 9	0 48	21 25	0 20	19 1	3 23	22 41	22 50	6 11		n.a.
W 5	17 9	16 49	3 9	23 26	0 46	21 18	1 5	19 24	1 5	17 6	1 30	17 55	1 32	8 10	0 48	21 26	0 20	19 1	3 23	22 41	22 50	6 9		n.a.
T 6	16 51	13 15	3 57	23 24	0 54	21 3	1 6	19 12	1 5	17 8	1 30	17 53	1 32	8 11	0 48	21 26	0 20	19 1	3 23	22 42	22 51	6 6		n.a.
F 7	16 34	9 12	4 34	23 20	1 2	20 47	1 8	18 59	1 5	17 11	1 30	17 51	1 32	8 12	0 48	21 26	0 20	19 1	3 23	22 42	22 51	6 4		n.a.
S 8	16 16	4 49	4 59	23 16	1 9	20 31	1 9	18 46	1 5	17 13	1 30	17 49	1 32	8 12	0 48	21 27	0 20	19 1	3 23	22 43	22 51	6 1		n.a.
S 9	15 58	0 16	5 11	23 10	1 16	20 14	1 10	18 33	1 5	17 16	1 30	17 47	1 32	8 13	0 48	21 27	0 20	19 1	3 23	22 44	22 52	5 59		n.a.
M10	15 39	4s18	5 10	23 3	1 22	19 56	1 12	18 19	1 5	17 18	1 30	17 44	1 32	8 14	0 48	21 27	0 20	19 2	3 23	22 44	22 52	5 56		n.a.
T 11	15 21	8 44	4 55	22 54	1 28	19 38	1 13	18 6	1 5	17 21	1 30	17 42	1 32	8 15	0 49	21 28	0 20	19 2	3 23	22 44	22 52	5 54		n.a.
W12	15 2	12 55	4 27	22 44	1 34	19 20	1 14	17 52	1 5	17 23	1 30	17 40	1 33	8 16	0 49	21 28	0 20	19 2	3 23	22 45	22 53	5 52		n.a.
T 13	14 43	16 38	3 46	22 32	1 40	19 0	1 15	17 38	1 5	17 26	1 30	17 38	1 33	8 17	0 49	21 28	0 20	19 2	3 23	22 44	22 53	5 49		n.a.
F 14	14 23	19 41	2 54	22 19	1 45	18 41	1 16	17 24	1 5	17 28	1 30	17 36	1 33	8 18	0 49	21 28	0 20	19 2	3 23	22 44	22 53	5 47		n.a.
S 15	14 4	21 48	1 50	22 4	1 49	18 20	1 17	17 10	1 5	17 31	1 30	17 33	1 33	8 19	0 49	21 29	0 20	19 2	3 23	22 44	22 54	5 44		n.a.
S 16	13 44	22 46	0 39	21 48	1 53	17 59	1 18	16 55	1 5	17 33	1 30	17 31	1 33	8 20	0 49	21 29	0 20	19 2	3 23	22 44	22 54	5 42		n.a.
M17	13 24	22 21	0s37	21 31	1 57	17 38	1 19	16 41	1 5	17 35	1 30	17 29	1 33	8 21	0 49	21 29	0 20	19 3	3 23	22 44	22 54	5 39		n.a.
T 18	13 4	20 27	1 53	21 11	2 1	17 16	1 20	16 26	1 4	17 38	1 30	17 27	1 33	8 22	0 49	21 30	0 20	19 3	3 23	22 44	22 55	5 37		n.a.
W19	12 43	17 9	3 3	20 50	2 4	16 54	1 21	16 11	1 4	17 40	1 30	17 25	1 33	8 23	0 49	21 30	0 20	19 3	3 23	22 45	22 55	5 34		n.a.
T 20	12 23	12 40	4 2	20 28	2 6	16 31	1 22	15 56	1 4	17 42	1 30	17 22	1 33	8 24	0 49	21 30	0 20	19 3	3 23	22 45	22 56	5 32		n.a.
F 21	12 2	7 22	4 43	20 4	2 8	16 8	1 22	15 41	1 4	17 45	1 30	17 20	1 33	8 25	0 49	21 30	0 20	19 3	3 23	22 46	22 56	5 29		n.a.
S 22	11 41	1 40	5 5	19 38	2 10	15 44	1 23	15 25	1 4	17 47	1 30	17 18	1 33	8 26	0 49	21 31	0 20	19 3	3 23	22 47	22 56	5 27		n.a.
S 23	11 20	4n 3	5 7	19 11	2 11	15 20	1 24	15 10	1 4	17 49	1 30	17 16	1 33	8 26	0 49	21 31	0 20	19 3	3 23	22 48	22 57	5 24		n.a.
M24	10 58	9 25	4 48	18 42	2 12	14 56	1 24	14 54	1 4	17 51	1 30	17 14	1 33	8 27	0 49	21 31	0 20	19 3	3 23	22 48	22 57	5 22		n.a.
T 25	10 37	14 8	4 12	18 11	2 12	14 31	1 25	14 39	1 3	17 53	1 30	17 11	1 34	8 28	0 49	21 31	0 20	19 3	3 23	22 48	22 57	5 19		n.a.
W26	10 15	17 59	3 23	17 39	2 12	14 6	1 25	14 23	1 3	17 55	1 30	17 9	1 34	8 29	0 49	21 32	0 20	19 3	3 23	22 48	22 58	5 17		n.a.
T 27	9 54	20 46	2 24	17 5	2 12	13 40	1 25	14 7	1 3	17 58	1 30	17 7	1 34	8 30	0 49	21 32	0 20	19 4	3 23	22 48	22 58	5 15		n.a.
F 28	9s32	22n24	1s19	16s29	2s11	13s14	1s25	13s51	1s 3	18n 0	1n30	17s 5	1s34	8n31	0n49	21n32	0n20	19s 4	3n23	22n48	22n58	5n12		n.a.

Julian Day Number = 1642925.5, Delta T = 03h35m22s
Ecliptic obliquity = 23°43'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'10, Lahiri = - 6°55'10 Julian Calendar 1 Feb. 215 BCE == Greg. Calendar 28 Jan. 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

MARCH 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 18 42	6♓41'22	13♋27	23♒30	0♓24	27♒11	14°R47	18♒11	10°R19	25°R58	11♐21	15°R33	13♋59	28♍27	n.a.	S 1
S 2	10 22 38	7°40'26	25°53	25°19	1°38	27°58	14♌41	18°18	10♍16	25♋57	11°22	15♋33	13°56	28°34	n.a.	S 2
M 3	10 26 35	8°39'28	8♌ 8	27° 9	2°52	28°44	14°34	18°25	10°13	25°55	11°22	15°30	13°53	28°41	n.a.	M 3
T 4	10 30 31	9°38'28	20°15	29° 1	4° 7	29°30	14°27	18°32	10°11	25°54	11°23	15°25	13°50	28°48	n.a.	T 4
W 5	10 34 28	10°37'25	2♍16	0♓54	5°21	0♓16	14°21	18°39	10° 8	25°53	11°23	15°17	13°46	28°54	n.a.	W 5
T 6	10 38 25	11°36'21	14°12	2°49	6°35	1° 3	14°15	18°47	10° 6	25°52	11°24	15° 8	13°43	29° 1	n.a.	T 6
F 7	10 42 21	12°35'14	26° 6	4°45	7°49	1°49	14° 9	18°54	10° 3	25°51	11°24	14°57	13°40	29° 8	n.a.	F 7
S 8	10 46 18	13°34'05	7♎59	6°42	9° 4	2°35	14° 3	19° 1	10° 0	25°50	11°24	14°46	13°37	29°14	n.a.	S 8
S 9	10 50 14	14°32'54	19°51	8°41	10°18	3°21	13°57	19° 8	9°58	25°49	11°25	14°35	13°34	29°21	n.a.	S 9
M10	10 54 11	15°31'41	1♏46	10°41	11°32	4° 7	13°51	19°15	9°55	25°48	11°25	14°25	13°31	29°28	n.a.	M10
T 11	10 58 7	16°30'27	13°47	12°42	12°46	4°53	13°45	19°22	9°53	25°47	11°25	14°18	13°27	29°35	n.a.	T 11
W12	11 2 4	17°29'10	25°56	14°45	14° 1	5°39	13°40	19°28	9°50	25°46	11°25	14°13	13°24	29°41	n.a.	W12
T 13	11 6 0	18°27'52	8♐17	16°48	15°15	6°25	13°34	19°35	9°48	25°45	11°25	14°11	13°21	29°48	n.a.	T 13
F 14	11 9 57	19°26'32	20°56	18°53	16°29	7°11	13°29	19°42	9°45	25°44	11°26	14°D11	13°18	29°55	n.a.	F 14
S 15	11 13 53	20°25'10	3♑55	20°58	17°43	7°57	13°24	19°49	9°43	25°44	11°26	14°11	13°15	0♎ 1	n.a.	S 15
S 16	11 17 50	21°23'46	17°21	23° 4	18°57	8°43	13°19	19°56	9°40	25°43	11°26	14°R11	13°12	0° 8	n.a.	S 16
M17	11 21 47	22°22'21	1♒14	25°11	20°11	9°28	13°14	20° 2	9°38	25°42	11°26	14°10	13° 8	0°15	n.a.	M17
T 18	11 25 43	23°20'54	15°36	27°18	21°25	10°14	13°10	20° 9	9°35	25°41	11°R26	14° 7	13° 5	0°22	n.a.	T 18
W19	11 29 40	24°19'25	0♓24	29°25	22°40	11° 0	13° 5	20°16	9°33	25°41	11°26	14° 1	13° 2	0°28	n.a.	W19
T 20	11 33 36	25°17'54	15°32	1♈32	23°54	11°45	13° 1	20°22	9°30	25°40	11°26	13°53	12°59	0°35	n.a.	T 20
F 21	11 37 33	26°16'21	0♈51	3°38	25° 8	12°31	12°57	20°29	9°28	25°39	11°26	13°43	12°56	0°42	n.a.	F 21
S 22	11 41 29	27°14'46	16° 8	5°43	26°22	13°16	12°53	20°35	9°25	25°39	11°25	13°32	12°52	0°48	n.a.	S 22
S 23	11 45 26	28°13'10	1♉14	7°48	27°36	14° 2	12°49	20°42	9°23	25°38	11°25	13°23	12°49	0°55	n.a.	S 23
M24	11 49 22	29°11'31	15°58	9°50	28°50	14°47	12°46	20°48	9°20	25°37	11°25	13°15	12°46	1° 2	n.a.	M24
T 25	11 53 19	0♈ 9'50	0♊16	11°51	0♈ 4	15°33	12°42	20°55	9°18	25°37	11°25	13° 9	12°43	1° 9	n.a.	T 25
W26	11 57 16	1° 8'06	14° 4	13°50	1°18	16°18	12°39	21° 1	9°16	25°36	11°25	13° 7	12°40	1°15	n.a.	W26
T 27	12 1 12	2° 6'21	27°25	15°47	2°32	17° 3	12°36	21° 7	9°13	25°36	11°24	13°D 6	12°37	1°22	n.a.	T 27
F 28	12 5 9	3° 4'34	10♋20	17°41	3°46	17°49	12°33	21°13	9°11	25°36	11°24	13°R 6	12°33	1°29	n.a.	F 28
S 29	12 9 5	4° 2'44	22°55	19°32	5° 0	18°34	12°30	21°19	9° 9	25°35	11°24	13° 5	12°30	1°36	n.a.	S 29
S 30	12 13 2	5° 0'52	5♌14	21°20	6°14	19°19	12°28	21°26	9° 7	25°35	11°23	13° 4	12°27	1°42	n.a.	S 30
M31	12 16 58	5♈58'58	17♌21	23♈ 5	7♈28	20♓ 4	12♌25	21♒32	9♍ 4	25♋34	11♐23	13♋ 0	12♋24	1♎49	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s10	22n51	0s11	15s52	2s 9	12s48	1s26	13s34	1s 3	18n 2	1n30	17s 3	1s34	8n32	0n49	21n32	0n20	19s 4	3n23	22n48	22n59	5n10		n.a.
S 2	8 47	22 7	0n55	15 13	2 7	12 21	1 26	13 18	1 3	18 4	1 30	17 1	1 34	8 33	0 49	21 33	0 20	19 4	3 23	22 48	22 59	5 7		n.a.
M 3	8 25	20 21	1 58	14 32	2 4	11 54	1 26	13 1	1 2	18 5	1 30	16 59	1 34	8 34	0 49	21 33	0 21	19 4	3 23	22 49	22 59	5 5		n.a.
T 4	8 3	17 40	2 55	13 50	2 1	11 27	1 26	12 45	1 2	18 7	1 30	16 56	1 34	8 35	0 49	21 33	0 21	19 4	3 23	22 49	23 0	5 2		n.a.
W 5	7 40	14 15	3 43	13 6	1 57	10 59	1 26	12 28	1 2	18 9	1 30	16 54	1 34	8 36	0 49	21 33	0 21	19 4	3 23	22 50	23 0	5 0		n.a.
T 6	7 18	10 18	4 21	12 21	1 53	10 31	1 25	12 11	1 2	18 11	1 30	16 52	1 35	8 37	0 49	21 33	0 21	19 4	3 23	22 51	23 0	4 57		n.a.
F 7	6 55	5 57	4 48	11 33	1 48	10 3	1 25	11 55	1 1	18 13	1 30	16 50	1 35	8 38	0 49	21 34	0 21	19 4	3 23	22 52	23 1	4 55		n.a.
S 8	6 32	1 25	5 2	10 45	1 43	9 34	1 25	11 38	1 1	18 14	1 30	16 48	1 35	8 39	0 49	21 34	0 21	19 4	3 23	22 54	23 1	4 52		n.a.
S 9	6 9	3s12	5 2	9 54	1 37	9 6	1 25	11 20	1 1	18 16	1 30	16 46	1 35	8 40	0 49	21 34	0 21	19 4	3 23	22 55	23 1	4 50		n.a.
M10	5 46	7 42	4 50	9 3	1 31	8 37	1 24	11 3	1 1	18 18	1 30	16 44	1 35	8 41	0 49	21 34	0 21	19 4	3 23	22 56	23 2	4 47		n.a.
T 11	5 23	11 57	4 25	8 9	1 24	8 8	1 24	10 46	1 1	18 19	1 30	16 42	1 35	8 42	0 49	21 34	0 21	19 4	3 23	22 57	23 2	4 45		n.a.
W12	5 0	15 47	3 48	7 15	1 16	7 38	1 23	10 29	1 0	18 21	1 29	16 40	1 35	8 43	0 49	21 35	0 21	19 4	3 23	22 57	23 2	4 42		n.a.
T 13	4 37	19 0	2 59	6 19	1 8	7 9	1 23	10 11	1 0	18 22	1 29	16 37	1 35	8 44	0 49	21 35	0 21	19 4	3 23	22 57	23 3	4 40		n.a.
F 14	4 14	21 24	2 1	5 22	1 0	6 39	1 22	9 54	1 0	18 24	1 29	16 35	1 36	8 45	0 49	21 35	0 21	19 4	3 23	22 57	23 3	4 37		n.a.
S 15	3 50	22 45	0 54	4 24	0 51	6 9	1 21	9 36	0 59	18 25	1 29	16 33	1 36	8 46	0 49	21 35	0 21	19 4	3 23	22 57	23 3	4 35		n.a.
S 16	3 27	22 52	0s17	3 25	0 41	5 39	1 21	9 19	0 59	18 26	1 29	16 31	1 36	8 47	0 49	21 35	0 21	19 4	3 23	22 57	23 3	4 32		n.a.
M17	3 4	21 34	1 29	2 25	0 32	5 9	1 20	9 1	0 59	18 28	1 29	16 29	1 36	8 48	0 49	21 35	0 21	19 4	3 23	22 57	23 4	4 30		n.a.
T 18	2 40	18 52	2 39	1 25	0 21	4 39	1 19	8 43	0 59	18 29	1 29	16 27	1 36	8 49	0 49	21 35	0 21	19 4	3 23	22 58	23 4	4 27		n.a.
W19	2 17	14 52	3 39	0 24	0 11	4 8	1 18	8 25	0 58	18 30	1 29	16 25	1 36	8 50	0 49	21 36	0 21	19 4	3 23	22 58	23 4	4 24		n.a.
T 20	1 53	9 50	4 26	0n37	0 0	3 38	1 17	8 8	0 58	18 31	1 28	16 23	1 36	8 51	0 49	21 36	0 21	19 4	3 23	22 59	23 5	4 22		n.a.
F 21	1 30	4 9	4 54	1 37	0n11	3 7	1 16	7 50	0 58	18 32	1 28	16 21	1 37	8 52	0 49	21 36	0 21	19 4	3 23	23 0	23 5	4 19		n.a.
S 22	1 6	1n48	5 1	2 38	0 22	2 36	1 15	7 32	0 57	18 33	1 28	16 19	1 37	8 53	0 49	21 36	0 21	19 4	3 23	23 1	23 5	4 17		n.a.
S 23	0 43	7 33	4 47	3 38	0 33	2 5	1 14	7 14	0 57	18 34	1 28	16 17	1 37	8 54	0 49	21 36	0 21	19 4	3 23	23 2	23 6	4 14		n.a.
M24	0 20	12 45	4 14	4 37	0 44	1 34	1 12	6 56	0 57	18 35	1 28	16 15	1 37	8 54	0 49	21 36	0 21	19 4	3 23	23 3	23 6	4 12		n.a.
T 25	0n 4	17 5	3 26	5 35	0 55	1 3	1 11	6 38	0 56	18 36	1 28	16 14	1 37	8 55	0 49	21 36	0 21	19 4	3 23	23 4	23 6	4 9		n.a.
W26	0 27	20 19	2 27	6 32	1 6	0 32	1 10	6 20	0 56	18 37	1 28	16 12	1 37	8 56	0 48	21 36	0 21	19 4	3 23	23 4	23 7	4 7		n.a.
T 27	0 51	22 20	1 22	7 27	1 16	0 1	1 8	6 1	0 56	18 37	1 27	16 10	1 37	8 57	0 48	21 37	0 21	19 4	3 23	23 4	23 7	4 4		n.a.
F 28	1 14	23 4	0 15	8 21	1 27	0n30	1 7	5 43	0 55	18 38	1 27	16 8	1 38	8 58	0 48	21 37	0 21	19 4	3 23	23 4	23 7	4 2		n.a.
S 29	1 38	22 36	0n52	9 13	1 36	1 1	1 5	5 25	0 55	18 39	1 27	16 6	1 38	8 59	0 48	21 37	0 21	19 4	3 23	23 4	23 8	3 59		n.a.
S 30	2 1	21 2	1 54	10 3	1 46	1 32	1 4	5 7	0 55	18 39	1 27	16 4	1 38	9 0	0 48	21 37	0 21	19 4	3 23	23 4	23 8	3 57		n.a.
M31	2n24	18n31	2n50	10n50	1n55	2n 3	1s 2	4s48	0s54	18n40	1n27	16s 2	1s38	9n 0	0n48	21n37	0n21	19s 4	3n23	23n 5	23n 8	3n54		n.a.

Julian Day Number = 1642953.5, Delta T = 03h35m21s
Ecliptic obliquity = 23°43'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'07, Lahiri = - 6°55'06 Julian Calendar 1 March 215 BCE == Greg. Calendar 25 Feb. 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

APRIL 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 20 55	6♈57'02	29♌20	24♈46	8♈42	20♓49	12°R23	21♒38	9°R 2	25°R34	11°R23	12°R53	12♋21	1♎56	n.a.	T 1
W 2	12 24 51	7°55'04	11♍14	26°23	9°56	21°34	12♌21	21°44	9♍ 0	25♋34	11♐22	12♋44	12°17	2° 2	n.a.	W 2
T 3	12 28 48	8°53'05	23° 7	27°57	11°10	22°19	12°19	21°49	8°58	25°34	11°22	12°32	12°14	2° 9	n.a.	T 3
F 4	12 32 45	9°51'03	4♎59	29°27	12°24	23° 4	12°18	21°55	8°56	25°33	11°21	12°18	12°11	2°16	n.a.	F 4
S 5	12 36 41	10°49'00	16°53	0♉52	13°37	23°49	12°16	22° 1	8°54	25°33	11°21	12° 4	12° 8	2°23	n.a.	S 5
S 6	12 40 38	11°46'55	28°49	2°14	14°51	24°33	12°15	22° 7	8°52	25°33	11°20	11°51	12° 5	2°29	n.a.	S 6
M 7	12 44 34	12°44'48	10♏49	3°32	16° 5	25°18	12°14	22°12	8°50	25°33	11°19	11°39	12° 2	2°36	n.a.	M 7
T 8	12 48 31	13°42'40	22°55	4°45	17°19	26° 3	12°13	22°18	8°48	25°33	11°19	11°29	11°58	2°43	n.a.	T 8
W 9	12 52 27	14°40'31	5♐10	5°54	18°33	26°48	12°12	22°24	8°46	25°33	11°18	11°23	11°55	2°49	n.a.	W 9
T 10	12 56 24	15°38'20	17°35	6°59	19°47	27°32	12°11	22°29	8°44	25°D33	11°18	11°19	11°52	2°56	n.a.	T 10
F 11	13 0 20	16°36'08	0♑14	7°59	21° 1	28°17	12°11	22°34	8°42	25°33	11°17	11°17	11°49	3° 3	n.a.	F 11
S 12	13 4 17	17°33'55	13°12	8°55	22°14	29° 1	12°11	22°40	8°40	25°33	11°16	11°17	11°46	3°10	n.a.	S 12
S 13	13 8 13	18°31'40	26°32	9°47	23°28	29°46	12°D11	22°45	8°38	25°33	11°15	11°17	11°43	3°16	n.a.	S 13
M14	13 12 10	19°29'24	10♒17	10°33	24°42	0♈30	12°11	22°50	8°37	25°33	11°15	11°16	11°39	3°23	n.a.	M14
T 15	13 16 7	20°27'07	24°28	11°16	25°56	1°14	12°11	22°55	8°35	25°33	11°14	11°13	11°36	3°30	n.a.	T 15
W16	13 20 3	21°24'49	9♓ 5	11°53	27° 9	1°59	12°12	23° 0	8°33	25°33	11°13	11° 7	11°33	3°37	n.a.	W16
T 17	13 24 0	22°22'30	24° 3	12°26	28°23	2°43	12°13	23° 5	8°31	25°33	11°12	10°59	11°30	3°43	n.a.	T 17
F 18	13 27 56	23°20'09	9♈15	12°54	29°37	3°27	12°14	23°10	8°30	25°34	11°11	10°49	11°27	3°50	n.a.	F 18
S 19	13 31 53	24°17'47	24°30	13°17	0♉51	4°11	12°15	23°15	8°28	25°34	11°10	10°38	11°23	3°57	n.a.	S 19
S 20	13 35 49	25°15'23	9♉37	13°35	2° 4	4°55	12°16	23°20	8°27	25°34	11° 9	10°28	11°20	4° 3	n.a.	S 20
M21	13 39 46	26°12'59	24°26	13°48	3°18	5°39	12°17	23°25	8°25	25°35	11° 9	10°20	11°17	4°10	n.a.	M21
T 22	13 43 42	27°10'33	8♊51	13°57	4°32	6°23	12°19	23°29	8°24	25°35	11° 8	10°14	11°14	4°17	n.a.	T 22
W23	13 47 39	28° 8'05	22°46	14°R 1	5°46	7° 7	12°21	23°34	8°23	25°35	11° 7	10°11	11°11	4°24	n.a.	W23
T 24	13 51 36	29° 5'36	6♋13	14° 0	6°59	7°51	12°23	23°38	8°21	25°36	11° 6	10°D10	11° 8	4°30	n.a.	T 24
F 25	13 55 32	0♉ 3'05	19°13	13°54	8°13	8°35	12°25	23°43	8°20	25°36	11° 5	10°10	11° 4	4°37	n.a.	F 25
S 26	13 59 29	1° 0'33	1♌50	13°44	9°27	9°18	12°27	23°47	8°19	25°37	11° 4	10°R10	11° 1	4°44	n.a.	S 26
S 27	14 3 25	1°58'00	14° 9	13°30	10°40	10° 2	12°30	23°51	8°17	25°37	11° 2	10°10	10°58	4°50	n.a.	S 27
M28	14 7 22	2°55'25	26°14	13°12	11°54	10°46	12°32	23°55	8°16	25°38	11° 1	10° 7	10°55	4°57	n.a.	M28
T 29	14 11 18	3°52'49	8♍11	12°51	13° 8	11°29	12°35	24° 0	8°15	25°39	11° 0	10° 2	10°52	5° 4	n.a.	T 29
W30	14 15 15	4♉50'11	20♍ 4	12♉26	14♉21	12♈13	12♌38	24♒ 4	8♍14	25♋39	10♐59	9♋55	10♋49	5♎11	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n47	15n14	3n38	11n36	2n 3	2n34	1s 1	4s30	0s54	18n40	1n27	16s 1	1s38	9n 1	0n48	21n37	0n21	19s 4	3n23	23n 5	23n 8	3n51		n.a.
W 2	3 11	11 22	4 16	12 19	2 10	3 5	0 59	4 12	0 53	18 41	1 26	15 59	1 38	9 2	0 48	21 37	0 21	19 4	3 23	23 6	23 9	3 49		n.a.
T 3	3 34	7 5	4 43	13 0	2 17	3 35	0 57	3 54	0 53	18 41	1 26	15 57	1 39	9 3	0 48	21 37	0 21	19 4	3 23	23 7	23 9	3 46		n.a.
F 4	3 57	2 32	4 57	13 38	2 23	4 6	0 55	3 35	0 53	18 41	1 26	15 55	1 39	9 4	0 48	21 37	0 21	19 4	3 23	23 9	23 9	3 44		n.a.
S 5	4 20	2s 7	4 58	14 14	2 29	4 37	0 54	3 17	0 52	18 42	1 26	15 54	1 39	9 4	0 48	21 37	0 21	19 3	3 23	23 10	23 10	3 41		n.a.
S 6	4 43	6 43	4 47	14 47	2 33	5 8	0 52	2 59	0 52	18 42	1 26	15 52	1 39	9 5	0 48	21 37	0 21	19 3	3 23	23 11	23 10	3 39		n.a.
M 7	5 6	11 6	4 22	15 18	2 37	5 38	0 50	2 40	0 51	18 42	1 26	15 50	1 39	9 6	0 48	21 37	0 21	19 3	3 23	23 12	23 10	3 36		n.a.
T 8	5 28	15 5	3 46	15 46	2 40	6 8	0 48	2 22	0 51	18 42	1 25	15 48	1 40	9 7	0 48	21 37	0 21	19 3	3 23	23 13	23 10	3 34		n.a.
W 9	5 51	18 29	2 58	16 11	2 42	6 39	0 46	2 4	0 51	18 42	1 25	15 47	1 40	9 7	0 48	21 37	0 21	19 3	3 23	23 14	23 11	3 31		n.a.
T 10	6 14	21 7	2 2	16 34	2 43	7 9	0 44	1 45	0 50	18 42	1 25	15 45	1 40	9 8	0 48	21 37	0 21	19 3	3 23	23 14	23 11	3 28		n.a.
F 11	6 36	22 45	0 58	16 54	2 43	7 39	0 42	1 27	0 50	18 42	1 25	15 44	1 40	9 9	0 48	21 37	0 21	19 3	3 23	23 14	23 11	3 26		n.a.
S 12	6 58	23 14	0s10	17 12	2 42	8 8	0 40	1 9	0 49	18 42	1 25	15 42	1 40	9 9	0 48	21 37	0 21	19 3	3 23	23 14	23 12	3 23		n.a.
S 13	7 21	22 24	1 20	17 27	2 40	8 38	0 38	0 51	0 49	18 42	1 24	15 40	1 40	9 10	0 48	21 37	0 21	19 3	3 23	23 14	23 12	3 21		n.a.
M14	7 43	20 13	2 27	17 39	2 38	9 7	0 36	0 32	0 49	18 41	1 24	15 39	1 41	9 11	0 48	21 37	0 21	19 3	3 23	23 14	23 12	3 18		n.a.
T 15	8 5	16 46	3 27	17 49	2 34	9 37	0 34	0n 14	0 48	18 41	1 24	15 37	1 41	9 11	0 48	21 37	0 21	19 3	3 23	23 14	23 12	3 16		n.a.
W16	8 27	12 12	4 16	17 56	2 29	10 6	0 31	0n 4	0 48	18 41	1 24	15 36	1 41	9 12	0 48	21 37	0 21	19 3	3 23	23 15	23 13	3 13		n.a.
T 17	8 49	6 47	4 48	18 1	2 23	10 34	0 29	0 22	0 47	18 40	1 24	15 34	1 41	9 13	0 48	21 37	0 21	19 2	3 23	23 16	23 13	3 10		n.a.
F 18	9 10	0 54	5 1	18 3	2 16	11 3	0 27	0 40	0 47	18 40	1 24	15 33	1 41	9 13	0 48	21 37	0 21	19 2	3 23	23 16	23 13	3 8		n.a.
S 19	9 32	5n 4	4 52	18 2	2 8	11 31	0 25	0 59	0 46	18 39	1 23	15 31	1 42	9 14	0 48	21 37	0 21	19 2	3 23	23 17	23 14	3 5		n.a.
S 20	9 53	10 42	4 23	17 59	1 59	11 59	0 22	1 17	0 46	18 39	1 23	15 30	1 42	9 14	0 48	21 37	0 21	19 2	3 23	23 18	23 14	3 3		n.a.
M21	10 14	15 36	3 37	17 54	1 49	12 27	0 20	1 35	0 45	18 38	1 23	15 29	1 42	9 15	0 48	21 37	0 21	19 2	3 23	23 19	23 14	3 0		n.a.
T 22	10 35	19 26	2 38	17 46	1 38	12 54	0 18	1 53	0 45	18 38	1 23	15 27	1 42	9 15	0 48	21 37	0 21	19 2	3 22	23 19	23 14	2 57		n.a.
W23	10 56	22 0	1 31	17 36	1 26	13 21	0 15	2 11	0 44	18 37	1 23	15 26	1 43	9 16	0 48	21 37	0 21	19 2	3 22	23 19	23 15	2 55		n.a.
T 24	11 17	23 13	0 21	17 23	1 13	13 48	0 13	2 29	0 44	18 36	1 22	15 25	1 43	9 16	0 48	21 37	0 21	19 2	3 22	23 20	23 15	2 52		n.a.
F 25	11 37	23 7	0n48	17 8	0 59	14 15	0 11	2 47	0 43	18 35	1 22	15 23	1 43	9 17	0 48	21 36	0 21	19 2	3 22	23 20	23 15	2 50		n.a.
S 26	11 58	21 49	1 52	16 51	0 45	14 41	0 8	3 4	0 43	18 35	1 22	15 22	1 43	9 17	0 48	21 36	0 21	19 1	3 22	23 20	23 15	2 47		n.a.
S 27	12 18	19 29	2 50	16 32	0 29	15 6	0 6	3 22	0 42	18 34	1 22	15 21	1 43	9 17	0 48	21 36	0 21	19 1	3 22	23 20	23 16	2 44		n.a.
M28	12 38	16 21	3 39	16 12	0 13	15 32	0 3	3 40	0 42	18 33	1 22	15 20	1 44	9 18	0 48	21 36	0 21	19 1	3 22	23 20	23 16	2 42		n.a.
T 29	12 58	12 34	4 18	15 50	0s 3	15 57	0 1	3 58	0 41	18 32	1 21	15 19	1 44	9 18	0 47	21 36	0 21	19 1	3 22	23 20	23 16	2 39		n.a.
W30	13n17	8n20	4n45	15n26	0s20	16n21	0n 1	4n15	0s41	18n31	1n21	15s17	1s44	9n19	0n47	21n36	0n21	19s 1	3n22	23n21	23n16	2n37		n.a.

Julian Day Number = 1642984.5, Delta T = 03h35m20s
Ecliptic obliquity = 23°43'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°02'02, Lahiri = - 6°55'02 Julian Calendar 1 Apr. 215 BCE == Greg. Calendar 28 March 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

MAY 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 19 11	5♉47'32	1♎55	11°R59	15♉35	12♈56	12♌41	24♒ 7	8°R13	25♋40	10°R58	9°R45	10♋45	5♎17	n.a.	T 1
F 2	14 23 8	6°44'53	13°48	11♉29	16°48	13°39	12°45	24°11	8♍12	25°40	10♐57	9♋34	10°42	5°24	n.a.	F 2
S 3	14 27 5	7°42'12	25°45	10°57	18° 2	14°23	12°48	24°15	8°11	25°41	10°56	9°23	10°39	5°31	n.a.	S 3
S 4	14 31 1	8°39'30	7♏48	10°24	19°15	15° 6	12°52	24°19	8°10	25°42	10°54	9°12	10°36	5°38	n.a.	S 4
M 5	14 34 58	9°36'47	19°57	9°51	20°29	15°49	12°56	24°22	8°10	25°43	10°53	9° 2	10°33	5°44	n.a.	M 5
T 6	14 38 54	10°34'03	2♐14	9°17	21°43	16°32	13° 0	24°26	8° 9	25°44	10°52	8°55	10°29	5°51	n.a.	T 6
W 7	14 42 51	11°31'19	14°40	8°44	22°56	17°15	13° 4	24°29	8° 8	25°44	10°51	8°50	10°26	5°58	n.a.	W 7
T 8	14 46 47	12°28'34	27°17	8°12	24°10	17°58	13° 8	24°33	8° 7	25°45	10°49	8°47	10°23	6° 4	n.a.	T 8
F 9	14 50 44	13°25'48	10♑ 7	7°41	25°23	18°41	13°13	24°36	8° 7	25°46	10°48	8°D46	10°20	6°11	n.a.	F 9
S 10	14 54 40	14°23'02	23°11	7°13	26°37	19°24	13°17	24°39	8° 6	25°47	10°47	8°47	10°17	6°18	n.a.	S 10
S 11	14 58 37	15°20'16	6♒34	6°47	27°50	20° 7	13°22	24°42	8° 6	25°48	10°46	8°48	10°14	6°25	n.a.	S 11
M12	15 2 34	16°17'29	20°15	6°24	29° 4	20°50	13°27	24°45	8° 5	25°49	10°44	8°R48	10°10	6°31	n.a.	M12
T 13	15 6 30	17°14'41	4♓18	6° 5	0♊17	21°33	13°32	24°48	8° 5	25°50	10°43	8°47	10° 7	6°38	n.a.	T 13
W14	15 10 27	18°11'54	18°41	5°49	1°31	22°15	13°37	24°51	8° 4	25°51	10°42	8°44	10° 4	6°45	n.a.	W14
T 15	15 14 23	19° 9'06	3♈21	5°37	2°44	22°58	13°43	24°53	8° 4	25°52	10°40	8°38	10° 1	6°52	n.a.	T 15
F 16	15 18 20	20° 6'17	18°14	5°30	3°58	23°41	13°48	24°56	8° 4	25°53	10°39	8°32	9°58	6°58	n.a.	F 16
S 17	15 22 16	21° 3'29	3♉10	5°D27	5°11	24°23	13°54	24°58	8° 4	25°54	10°37	8°25	9°54	7° 5	n.a.	S 17
S 18	15 26 13	22° 0'39	18° 3	5°28	6°24	25° 6	14° 0	25° 1	8° 4	25°56	10°36	8°18	9°51	7°12	n.a.	S 18
M19	15 30 9	22°57'50	2♊43	5°34	7°38	25°48	14° 6	25° 3	8° 3	25°57	10°35	8°13	9°48	7°18	n.a.	M19
T 20	15 34 6	23°55'00	17° 2	5°44	8°51	26°30	14°12	25° 5	8°D 3	25°58	10°33	8° 9	9°45	7°25	n.a.	T 20
W21	15 38 3	24°52'10	0♋57	5°59	10° 5	27°13	14°18	25° 8	8° 3	25°59	10°32	8° 7	9°42	7°32	n.a.	W21
T 22	15 41 59	25°49'19	14°26	6°19	11°18	27°55	14°25	25°10	8° 3	26° 1	10°30	8°D 7	9°39	7°39	n.a.	T 22
F 23	15 45 56	26°46'28	27°29	6°44	12°32	28°37	14°31	25°11	8° 4	26° 2	10°29	8° 8	9°35	7°45	n.a.	F 23
S 24	15 49 52	27°43'36	10♌10	7°12	13°45	29°19	14°38	25°13	8° 4	26° 3	10°27	8°10	9°32	7°52	n.a.	S 24
S 25	15 53 49	28°40'43	22°32	7°46	14°58	0♉ 1	14°45	25°15	8° 4	26° 5	10°26	8°11	9°29	7°59	n.a.	S 25
M26	15 57 45	29°37'50	4♍39	8°24	16°12	0°43	14°52	25°17	8° 4	26° 6	10°24	8°R11	9°26	8° 5	n.a.	M26
T 27	16 1 42	0♊34'56	16°38	9° 6	17°25	1°25	14°59	25°18	8° 5	26° 7	10°23	8° 9	9°23	8°12	n.a.	T 27
W28	16 5 39	1°32'02	28°31	9°53	18°38	2° 7	15° 6	25°20	8° 5	26° 9	10°21	8° 6	9°20	8°19	n.a.	W28
T 29	16 9 35	2°29'08	10♎24	10°44	19°52	2°49	15°13	25°21	8° 5	26°10	10°20	8° 2	9°16	8°26	n.a.	T 29
F 30	16 13 32	3°26'13	22°19	11°39	21° 5	3°31	15°21	25°22	8° 6	26°12	10°18	7°56	9°13	8°32	n.a.	F 30
S 31	16 17 28	4♊23'18	4♏21	12♉39	22♊18	4♉12	15♌28	25♒23	8♍ 6	26♋13	10♐17	7♋51	9♋10	8♎39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13n36	3n48	5n 0	15n 1	0s37	16n45	0n 4	4n33	0s40	18n30	1n21	15s16	1s44	9n19	0n47	21n36	0n21	19s 1	3n22	23n21	23n17	2n34			n.a.
F 2	13 56	0s53	5 2	14 36	0 54	17 9	0 6	4 50	0 40	18 28	1 21	15 15	1 45	9 19	0 47	21 36	0 21	19 1	3 22	23 22	23 17	2 31			n.a.
S 3	14 15	5 34	4 51	14 9	1 11	17 33	0 9	5 8	0 39	18 27	1 21	15 14	1 45	9 20	0 47	21 36	0 21	19 1	3 22	23 23	23 17	2 29			n.a.
S 4	14 33	10 4	4 26	13 43	1 28	17 55	0 11	5 25	0 39	18 26	1 20	15 13	1 45	9 20	0 47	21 35	0 21	19 1	3 22	23 24	23 18	2 26			n.a.
M 5	14 52	14 15	3 50	13 17	1 45	18 18	0 14	5 43	0 38	18 25	1 20	15 12	1 45	9 20	0 47	21 35	0 21	19 0	3 22	23 25	23 18	2 24			n.a.
T 6	15 10	17 53	3 2	12 51	2 1	18 40	0 16	6 0	0 38	18 23	1 20	15 11	1 45	9 20	0 47	21 35	0 21	19 0	3 22	23 25	23 18	2 21			n.a.
W 7	15 28	20 45	2 5	12 25	2 17	19 1	0 18	6 17	0 37	18 22	1 20	15 10	1 46	9 21	0 47	21 35	0 21	19 0	3 22	23 25	23 18	2 18			n.a.
T 8	15 46	22 40	1 1	12 1	2 31	19 22	0 21	6 34	0 37	18 21	1 20	15 9	1 46	9 21	0 47	21 35	0 21	19 0	3 22	23 26	23 19	2 16			n.a.
F 9	16 3	23 27	0s 7	11 38	2 45	19 42	0 23	6 51	0 36	18 19	1 20	15 8	1 46	9 21	0 47	21 35	0 21	19 0	3 22	23 26	23 19	2 13			n.a.
S 10	16 21	22 58	1 17	11 17	2 58	20 2	0 26	7 8	0 35	18 18	1 19	15 8	1 46	9 21	0 47	21 34	0 21	19 0	3 22	23 26	23 19	2 11			n.a.
S 11	16 38	21 10	2 23	10 58	3 9	20 22	0 28	7 25	0 35	18 16	1 19	15 7	1 47	9 21	0 47	21 34	0 21	19 0	3 22	23 25	23 19	2 8			n.a.
M12	16 54	18 7	3 24	10 40	3 20	20 41	0 30	7 42	0 34	18 14	1 19	15 6	1 47	9 22	0 47	21 34	0 21	18 59	3 22	23 25	23 20	2 5			n.a.
T 13	17 11	13 58	4 14	10 25	3 29	20 59	0 33	7 58	0 34	18 13	1 19	15 5	1 47	9 22	0 47	21 34	0 21	18 59	3 22	23 26	23 20	2 3			n.a.
W14	17 27	8 57	4 49	10 12	3 37	21 17	0 35	8 15	0 33	18 11	1 19	15 5	1 47	9 22	0 47	21 34	0 21	18 59	3 22	23 26	23 20	2 0			n.a.
T 15	17 43	3 19	5 6	10 2	3 44	21 34	0 37	8 32	0 33	18 9	1 18	15 4	1 48	9 22	0 47	21 34	0 21	18 59	3 21	23 26	23 20	1 57			n.a.
F 16	17 59	2n34	5 3	9 54	3 49	21 50	0 40	8 48	0 32	18 7	1 18	15 3	1 48	9 22	0 47	21 33	0 21	18 59	3 21	23 27	23 21	1 55			n.a.
S 17	18 14	8 21	4 39	9 49	3 54	22 6	0 42	9 4	0 32	18 6	1 18	15 3	1 48	9 22	0 47	21 33	0 21	18 59	3 21	23 27	23 21	1 52			n.a.
S 18	18 29	13 37	3 57	9 47	3 57	22 21	0 44	9 21	0 31	18 4	1 18	15 2	1 48	9 22	0 47	21 33	0 21	18 59	3 21	23 27	23 21	1 49			n.a.
M19	18 44	18 1	2 59	9 47	3 59	22 36	0 46	9 37	0 30	18 2	1 18	15 1	1 49	9 22	0 47	21 33	0 21	18 59	3 21	23 28	23 21	1 47			n.a.
T 20	18 58	21 14	1 51	9 50	3 59	22 50	0 48	9 53	0 30	18 0	1 18	15 1	1 49	9 22	0 47	21 32	0 21	18 58	3 21	23 28	23 21	1 44			n.a.
W21	19 12	23 4	0 39	9 55	3 59	23 3	0 51	10 9	0 29	17 58	1 17	15 0	1 49	9 22	0 47	21 32	0 21	18 58	3 21	23 28	23 22	1 42			n.a.
T 22	19 26	23 30	0n34	10 3	3 58	23 16	0 53	10 25	0 29	17 56	1 17	15 0	1 49	9 22	0 47	21 32	0 21	18 58	3 21	23 28	23 22	1 39			n.a.
F 23	19 40	22 35	1 43	10 13	3 55	23 28	0 55	10 40	0 28	17 54	1 17	15 0	1 50	9 22	0 47	21 32	0 21	18 58	3 21	23 28	23 22	1 36			n.a.
S 24	19 53	20 33	2 45	10 26	3 52	23 40	0 57	10 56	0 27	17 52	1 17	14 59	1 50	9 22	0 46	21 31	0 21	18 58	3 21	23 28	23 22	1 34			n.a.
S 25	20 6	17 35	3 38	10 41	3 47	23 50	0 59	11 12	0 27	17 49	1 17	14 59	1 50	9 22	0 46	21 31	0 21	18 58	3 21	23 28	23 23	1 31			n.a.
M26	20 19	13 56	4 19	10 58	3 42	24 0	1 1	11 27	0 26	17 47	1 17	14 59	1 50	9 21	0 46	21 31	0 21	18 58	3 21	23 28	23 23	1 28			n.a.
T 27	20 31	9 46	4 49	11 17	3 36	24 10	1 3	11 42	0 26	17 45	1 16	14 58	1 51	9 21	0 46	21 31	0 21	18 58	3 21	23 28	23 23	1 26			n.a.
W28	20 43	5 16	5 6	11 38	3 29	24 18	1 5	11 58	0 25	17 43	1 16	14 58	1 51	9 21	0 46	21 30	0 21	18 57	3 21	23 28	23 23	1 23			n.a.
T 29	20 54	0 35	5 10	12 2	3 22	24 26	1 7	12 13	0 24	17 40	1 16	14 58	1 51	9 21	0 46	21 30	0 21	18 57	3 20	23 28	23 24	1 20			n.a.
F 30	21 5	4s 8	5 1	12 26	3 14	24 33	1 8	12 28	0 24	17 38	1 16	14 58	1 51	9 21	0 46	21 30	0 21	18 57	3 20	23 29	23 24	1 18			n.a.
S 31	21n16	8s45	4n38	12n53	3s 5	24n40	1n10	12n42	0s23	17n35	1n16	14s57	1s52	9n20	0n46	21n30	0n21	18s57	3n20	23n29	23n24	1n15			n.a.

Julian Day Number = 1643014.5, Delta T = 03h35m19s
Ecliptic obliquity = 23°43'15, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'58, Lahiri = - 6°54'58 Julian Calendar 1 May 215 BCE == Greg. Calendar 27 Apr. 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

JUNE 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 21 25	5♊20'23	16♏31	13♉43	23♊32	4♉54	15♌36	25♒24	8♍ 7	26♋15	10°R15	7°R45	9♋ 7	8♎46	n.a.	S 1
M 2	16 25 21	6°17'28	28°51	14°50	24°45	5°35	15°44	25°25	8° 8	26°16	10♐14	7♋40	9° 4	8°53	n.a.	M 2
T 3	16 29 18	7°14'33	11♐23	16° 2	25°58	6°17	15°52	25°26	8° 8	26°18	10°12	7°37	9° 0	8°59	n.a.	T 3
W 4	16 33 14	8°11'38	24° 6	17°18	27°12	6°58	16° 0	25°27	8° 9	26°20	10°11	7°34	8°57	9° 6	n.a.	W 4
T 5	16 37 11	9° 8'44	7♑ 1	18°37	28°25	7°40	16° 8	25°28	8°10	26°21	10° 9	7°D34	8°54	9°13	n.a.	T 5
F 6	16 41 8	10° 5'49	20°10	20° 1	29°38	8°21	16°16	25°28	8°11	26°23	10° 8	7°34	8°51	9°19	n.a.	F 6
S 7	16 45 4	11° 2'55	3♒31	21°28	0♋51	9° 2	16°25	25°29	8°12	26°24	10° 6	7°35	8°48	9°26	n.a.	S 7
S 8	16 49 1	12° 0'02	17° 6	22°59	2° 5	9°44	16°33	25°29	8°13	26°26	10° 5	7°37	8°45	9°33	n.a.	S 8
M 9	16 52 57	12°57'09	0♓54	24°34	3°18	10°25	16°42	25°29	8°14	26°28	10° 3	7°38	8°41	9°40	n.a.	M 9
T 10	16 56 54	13°54'16	14°55	26°12	4°31	11° 6	16°50	25°29	8°15	26°30	10° 2	7°R38	8°38	9°46	n.a.	T 10
W11	17 0 50	14°51'24	29° 9	27°53	5°44	11°47	16°59	25°R29	8°16	26°31	10° 0	7°38	8°35	9°53	n.a.	W11
T 12	17 4 47	15°48'33	13♈33	29°38	6°57	12°28	17° 8	25°29	8°17	26°33	9°59	7°36	8°32	10° 0	n.a.	T 12
F 13	17 8 43	16°45'42	28° 3	1♊27	8°11	13° 9	17°17	25°29	8°18	26°35	9°57	7°34	8°29	10° 7	n.a.	F 13
S 14	17 12 40	17°42'52	12♉34	3°18	9°24	13°50	17°26	25°29	8°19	26°37	9°56	7°31	8°26	10°13	n.a.	S 14
S 15	17 16 37	18°40'03	27° 2	5°12	10°37	14°31	17°36	25°28	8°21	26°39	9°54	7°29	8°22	10°20	n.a.	S 15
M16	17 20 33	19°37'14	11♊19	7° 9	11°50	15°11	17°45	25°28	8°22	26°40	9°53	7°27	8°19	10°27	n.a.	M16
T 17	17 24 30	20°34'26	25°21	9° 8	13° 3	15°52	17°55	25°27	8°23	26°42	9°51	7°26	8°16	10°33	n.a.	T 17
W18	17 28 26	21°31'39	9♋ 5	11° 9	14°16	16°33	18° 4	25°27	8°25	26°44	9°50	7°D26	8°13	10°40	n.a.	W18
T 19	17 32 23	22°28'52	22°27	13°12	15°29	17°13	18°14	25°26	8°26	26°46	9°48	7°26	8°10	10°47	n.a.	T 19
F 20	17 36 19	23°26'06	5♌28	15°16	16°42	17°54	18°24	25°25	8°28	26°48	9°47	7°27	8° 6	10°54	n.a.	F 20
S 21	17 40 16	24°23'19	18° 9	17°22	17°56	18°34	18°33	25°24	8°30	26°50	9°46	7°28	8° 3	11° 0	n.a.	S 21
S 22	17 44 13	25°20'34	0♍33	19°29	19° 9	19°15	18°43	25°23	8°31	26°52	9°44	7°29	8° 0	11° 7	n.a.	S 22
M23	17 48 9	26°17'48	12°42	21°35	20°22	19°55	18°53	25°22	8°33	26°54	9°43	7°30	7°57	11°14	n.a.	M23
T 24	17 52 6	27°15'04	24°42	23°43	21°35	20°35	19° 3	25°20	8°35	26°56	9°41	7°R30	7°54	11°21	n.a.	T 24
W25	17 56 2	28°12'19	6♎36	25°50	22°48	21°15	19°14	25°19	8°36	26°58	9°40	7°30	7°51	11°27	n.a.	W25
T 26	17 59 59	29° 9'35	18°30	27°57	24° 1	21°55	19°24	25°18	8°38	27° 0	9°38	7°30	7°47	11°34	n.a.	T 26
F 27	18 3 55	0♋ 6'52	0♏27	0♋ 3	25°14	22°36	19°34	25°16	8°40	27° 2	9°37	7°29	7°44	11°41	n.a.	F 27
S 28	18 7 52	1° 4'10	12°32	2° 9	26°27	23°16	19°45	25°14	8°42	27° 4	9°36	7°28	7°41	11°47	n.a.	S 28
S 29	18 11 48	2° 1'28	24°49	4°14	27°40	23°55	19°55	25°13	8°44	27° 6	9°34	7°27	7°38	11°54	n.a.	S 29
M30	18 15 45	2♋58'47	7♐19	6♋17	28♋53	24♉35	20♌ 6	25♒11	8♍46	27♋ 8	9♐33	7♋27	7♋35	12♎ 1	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n27	13s 6	4n 3	13n21	2s55	24n46	1n12	12n57	0s22	17n33	1n16	14s57	1s52	9n20	0n46	21n29	0n21	18s57	3n20	23n29	23n24	1n12		n.a.
M 2	21 37	16 57	3 16	13 51	2 45	24 51	1 14	13 12	0 22	17 30	1 15	14 57	1 52	9 20	0 46	21 29	0 21	18 57	3 20	23 30	23 24	1 10		n.a.
T 3	21 47	20 8	2 18	14 21	2 35	24 55	1 15	13 26	0 21	17 28	1 15	14 57	1 52	9 20	0 46	21 29	0 21	18 57	3 20	23 30	23 25	1 7		n.a.
W 4	21 56	22 22	1 13	14 53	2 24	24 58	1 17	13 41	0 21	17 25	1 15	14 57	1 53	9 19	0 46	21 28	0 21	18 57	3 20	23 30	23 25	1 4		n.a.
T 5	22 5	23 29	0 3	15 26	2 13	25 1	1 18	13 55	0 20	17 23	1 15	14 57	1 53	9 19	0 46	21 28	0 21	18 56	3 20	23 30	23 25	1 2		n.a.
F 6	22 14	23 19	1s 9	16 0	2 1	25 3	1 20	14 9	0 19	17 20	1 15	14 57	1 53	9 18	0 46	21 28	0 21	18 56	3 20	23 30	23 25	0 59		n.a.
S 7	22 22	21 49	2 18	16 35	1 50	25 4	1 21	14 23	0 19	17 17	1 15	14 57	1 53	9 18	0 46	21 27	0 21	18 56	3 20	23 30	23 25	0 56		n.a.
S 8	22 30	19 4	3 20	17 10	1 38	25 5	1 23	14 37	0 18	17 15	1 15	14 58	1 54	9 18	0 46	21 27	0 21	18 56	3 19	23 30	23 26	0 54		n.a.
M 9	22 37	15 12	4 12	17 45	1 25	25 5	1 24	14 51	0 17	17 12	1 14	14 58	1 54	9 17	0 46	21 27	0 21	18 56	3 19	23 30	23 26	0 51		n.a.
T 10	22 44	10 27	4 50	18 21	1 13	25 4	1 25	15 4	0 17	17 9	1 14	14 58	1 54	9 17	0 46	21 26	0 21	18 56	3 19	23 30	23 26	0 48		n.a.
W11	22 51	5 5	5 11	18 56	1 0	25 2	1 27	15 18	0 16	17 6	1 14	14 58	1 55	9 16	0 46	21 26	0 21	18 56	3 19	23 30	23 26	0 46		n.a.
T 12	22 57	0n37	5 13	19 32	0 48	25 0	1 28	15 31	0 15	17 3	1 14	14 58	1 55	9 16	0 46	21 26	0 21	18 56	3 19	23 30	23 27	0 43		n.a.
F 13	23 3	6 19	4 55	20 7	0 36	24 56	1 29	15 44	0 15	17 0	1 14	14 59	1 55	9 15	0 46	21 25	0 21	18 56	3 19	23 30	23 27	0 40		n.a.
S 14	23 9	11 42	4 18	20 41	0 24	24 53	1 30	15 57	0 14	16 57	1 14	14 59	1 55	9 15	0 46	21 25	0 21	18 55	3 19	23 30	23 27	0 38		n.a.
S 15	23 14	16 24	3 25	21 14	0 12	24 48	1 31	16 10	0 13	16 54	1 14	14 59	1 56	9 14	0 46	21 25	0 21	18 55	3 19	23 30	23 27	0 35		n.a.
M16	23 19	20 6	2 19	21 46	0n 0	24 42	1 32	16 23	0 13	16 51	1 13	15 0	1 56	9 14	0 45	21 24	0 21	18 55	3 19	23 30	23 27	0 32		n.a.
T 17	23 23	22 32	1 6	22 16	0 12	24 36	1 32	16 35	0 12	16 48	1 13	15 0	1 56	9 13	0 45	21 24	0 21	18 55	3 18	23 31	23 28	0 30		n.a.
W18	23 27	23 33	0n 9	22 45	0 22	24 29	1 33	16 48	0 11	16 45	1 13	15 1	1 56	9 13	0 45	21 24	0 21	18 55	3 18	23 31	23 28	0 27		n.a.
T 19	23 30	23 10	1 22	23 12	0 33	24 22	1 34	17 0	0 11	16 42	1 13	15 1	1 57	9 12	0 45	21 23	0 21	18 55	3 18	23 31	23 28	0 24		n.a.
F 20	23 33	21 32	2 29	23 36	0 43	24 14	1 35	17 12	0 10	16 39	1 13	15 2	1 57	9 11	0 45	21 23	0 21	18 55	3 18	23 31	23 28	0 22		n.a.
S 21	23 36	18 50	3 26	23 59	0 52	24 4	1 35	17 24	0 9	16 36	1 13	15 2	1 57	9 11	0 45	21 23	0 21	18 55	3 18	23 30	23 28	0 19		n.a.
S 22	23 38	15 21	4 13	24 19	1 1	23 55	1 36	17 36	0 9	16 32	1 13	15 3	1 57	9 10	0 45	21 22	0 21	18 55	3 18	23 30	23 29	0 16		n.a.
M23	23 40	11 17	4 47	24 36	1 9	23 44	1 36	17 48	0 8	16 29	1 13	15 4	1 58	9 9	0 45	21 22	0 21	18 55	3 18	23 30	23 29	0 14		n.a.
T 24	23 42	6 50	5 9	24 50	1 16	23 33	1 36	17 59	0 7	16 26	1 13	15 4	1 58	9 9	0 45	21 21	0 21	18 55	3 18	23 30	23 29	0 11		n.a.
W25	23 43	2 11	5 16	25 2	1 23	23 21	1 37	18 11	0 7	16 23	1 12	15 5	1 58	9 8	0 45	21 21	0 21	18 54	3 17	23 30	23 29	0 8		n.a.
T 26	23 43	2s33	5 11	25 11	1 29	23 9	1 37	18 22	0 6	16 19	1 12	15 6	1 58	9 7	0 45	21 21	0 21	18 54	3 17	23 30	23 29	0 5		n.a.
F 27	23 43	7 13	4 51	25 17	1 34	22 56	1 37	18 33	0 5	16 16	1 12	15 6	1 59	9 6	0 45	21 20	0 21	18 54	3 17	23 30	23 30	0 3		n.a.
S 28	23 43	11 40	4 19	25 20	1 38	22 42	1 37	18 44	0 5	16 12	1 12	15 7	1 59	9 6	0 45	21 20	0 21	18 54	3 17	23 30	23 30	0 0		n.a.
S 29	23 42	15 43	3 35	25 21	1 42	22 27	1 37	18 55	0 4	16 9	1 12	15 8	1 59	9 5	0 45	21 19	0 21	18 54	3 17	23 30	23 30	0s 3		n.a.
M30	23n41	19s10	2n39	25n18	1n44	22n12	1n37	19n 5	0s 3	16n 5	1n12	15s 9	1s59	9n 4	0n45	21n19	0n21	18s54	3n17	23n31	23n30	0s 5		n.a.

Julian Day Number = 1643045.5, Delta T = 03h35m18s
Ecliptic obliquity = 23°43'15, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'54, Lahiri = - 6°54'54 Julian Calendar 1 June 215 BCE == Greg. Calendar 28 May 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

JULY 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 19 42	3♋56'07	20♐ 4	8♋20	0♌ 5	25♉15	20♌17	25°R 9	8♍48	27♋10	9°R32	7°R26	7♋32	12♎ 8	n.a.	T 1
W 2	18 23 38	4°53'28	3♑ 6	10°21	1°18	25°55	20°27	25♒ 7	8°50	27°12	9♐30	7°D26	7°28	12°14	n.a.	W 2
T 3	18 27 35	5°50'50	16°23	12°21	2°31	26°35	20°38	25° 5	8°53	27°14	9°29	7♋26	7°25	12°21	n.a.	T 3
F 4	18 31 31	6°48'13	29°56	14°19	3°44	27°14	20°49	25° 2	8°55	27°16	9°28	7°26	7°22	12°28	n.a.	F 4
S 5	18 35 28	7°45'37	13♒42	16°16	4°57	27°54	21° 0	25° 0	8°57	27°18	9°26	7°R26	7°19	12°34	n.a.	S 5
S 6	18 39 24	8°43'02	27°39	18°12	6°10	28°33	21°11	24°58	8°59	27°21	9°25	7°26	7°16	12°41	n.a.	S 6
M 7	18 43 21	9°40'29	11♓45	20° 6	7°22	29°13	21°22	24°55	9° 2	27°23	9°24	7°26	7°12	12°48	n.a.	M 7
T 8	18 47 17	10°37'57	25°56	21°58	8°35	29°52	21°33	24°53	9° 4	27°25	9°23	7°26	7° 9	12°55	n.a.	T 8
W 9	18 51 14	11°35'27	10♈10	23°49	9°48	0♊32	21°45	24°50	9° 6	27°27	9°21	7°D26	7° 6	13° 1	n.a.	W 9
T 10	18 55 11	12°32'58	24°24	25°39	11° 1	1°11	21°56	24°47	9° 9	27°29	9°20	7°26	7° 3	13° 8	n.a.	T 10
F 11	18 59 7	13°30'31	8♉36	27°26	12°13	1°50	22° 7	24°44	9°11	27°31	9°19	7°26	7° 0	13°15	n.a.	F 11
S 12	19 3 4	14°28'05	22°43	29°13	13°26	2°29	22°19	24°41	9°14	27°33	9°18	7°27	6°57	13°22	n.a.	S 12
S 13	19 7 0	15°25'41	6♊43	0♌58	14°39	3° 8	22°30	24°38	9°16	27°36	9°17	7°28	6°53	13°28	n.a.	S 13
M14	19 10 57	16°23'19	20°33	2°41	15°51	3°47	22°42	24°35	9°19	27°38	9°16	7°28	6°50	13°35	n.a.	M14
T 15	19 14 53	17°20'58	4♋11	4°23	17° 4	4°26	22°54	24°32	9°22	27°40	9°14	7°R28	6°47	13°42	n.a.	T 15
W16	19 18 50	18°18'39	17°34	6° 3	18°17	5° 5	23° 5	24°29	9°24	27°42	9°13	7°28	6°44	13°48	n.a.	W16
T 17	19 22 46	19°16'20	0♌42	7°42	19°29	5°44	23°17	24°26	9°27	27°44	9°12	7°28	6°41	13°55	n.a.	T 17
F 18	19 26 43	20°14'04	13°33	9°19	20°42	6°23	23°29	24°22	9°30	27°47	9°11	7°26	6°38	14° 2	n.a.	F 18
S 19	19 30 40	21°11'48	26° 9	10°55	21°54	7° 2	23°41	24°19	9°33	27°49	9°10	7°24	6°34	14° 9	n.a.	S 19
S 20	19 34 36	22° 9'34	8♍30	12°30	23° 7	7°40	23°53	24°15	9°35	27°51	9° 9	7°22	6°31	14°15	n.a.	S 20
M21	19 38 33	23° 7'22	20°38	14° 3	24°19	8°19	24° 5	24°12	9°38	27°53	9° 8	7°20	6°28	14°22	n.a.	M21
T 22	19 42 29	24° 5'10	2♎37	15°35	25°32	8°57	24°17	24° 8	9°41	27°56	9° 7	7°19	6°25	14°29	n.a.	T 22
W23	19 46 26	25° 3'00	14°32	17° 5	26°44	9°36	24°29	24° 4	9°44	27°58	9° 6	7°17	6°22	14°36	n.a.	W23
T 24	19 50 22	26° 0'51	26°25	18°34	27°56	10°14	24°41	24° 1	9°47	28° 0	9° 5	7°D17	6°18	14°42	n.a.	T 24
F 25	19 54 19	26°58'44	8♏21	20° 1	29° 9	10°52	24°53	23°57	9°50	28° 2	9° 4	7°17	6°15	14°49	n.a.	F 25
S 26	19 58 15	27°56'38	20°27	21°26	0♍21	11°30	25° 5	23°53	9°53	28° 4	9° 4	7°19	6°12	14°56	n.a.	S 26
S 27	20 2 12	28°54'33	2♐44	22°51	1°33	12° 9	25°18	23°49	9°56	28° 7	9° 3	7°20	6° 9	15° 2	n.a.	S 27
M28	20 6 9	29°52'30	15°19	24°13	2°46	12°47	25°30	23°45	9°59	28° 9	9° 2	7°22	6° 6	15° 9	n.a.	M28
T 29	20 10 5	0♌50'28	28°14	25°34	3°58	13°25	25°42	23°41	10° 2	28°11	9° 1	7°23	6° 3	15°16	n.a.	T 29
W30	20 14 2	1°48'28	11♑30	26°54	5°10	14° 3	25°55	23°37	10° 6	28°13	9° 0	7°R23	5°59	15°23	n.a.	W30
T 31	20 17 58	2♌46'30	25♑ 7	28♌12	6♍22	14♊41	26♌ 7	23♒32	10♍ 9	28♋16	9♐ 0	7♋22	5♋56	15♎29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n40	21s46	1n35	25n14	1n47	21n57	1n37	19n16	0s 2	16n 2	1n12	15s10	2s 0	9n 3	0n45	21n19	0n21	18s54	3n17	23n31	23n30	0s 8			n.a.
W 2	23 38	23 17	0 24	25 6	1 48	21 40	1 37	19 26	0 2	15 58	1 12	15 11	2 0	9 2	0 45	21 18	0 21	18 54	3 16	23 31	23 30	0 11			n.a.
T 3	23 35	23 31	0s49	24 57	1 49	21 23	1 36	19 36	0 1	15 55	1 12	15 12	2 0	9 2	0 45	21 18	0 21	18 54	3 16	23 31	23 31	0 13			n.a.
F 4	23 33	22 23	2 2	24 45	1 49	21 6	1 36	19 46	0 0	15 51	1 12	15 13	2 0	9 1	0 45	21 17	0 21	18 54	3 16	23 31	23 31	0 16			n.a.
S 5	23 29	19 54	3 8	24 31	1 49	20 48	1 35	19 56	0n 0	15 47	1 11	15 14	2 0	9 0	0 45	21 17	0 21	18 54	3 16	23 31	23 31	0 19			n.a.
S 6	23 26	16 14	4 4	24 15	1 48	20 29	1 35	20 5	0 1	15 44	1 11	15 15	2 1	8 59	0 45	21 17	0 21	18 54	3 16	23 31	23 31	0 22			n.a.
M 7	23 22	11 38	4 46	23 57	1 46	20 10	1 34	20 15	0 2	15 40	1 11	15 16	2 1	8 58	0 45	21 16	0 21	18 54	3 16	23 31	23 31	0 24			n.a.
T 8	23 17	6 22	5 10	23 37	1 44	19 50	1 33	20 24	0 3	15 36	1 11	15 17	2 1	8 57	0 45	21 16	0 21	18 54	3 15	23 31	23 31	0 27			n.a.
W 9	23 12	0 46	5 16	23 15	1 41	19 29	1 33	20 33	0 3	15 33	1 11	15 18	2 1	8 56	0 45	21 15	0 21	18 54	3 15	23 31	23 32	0 30			n.a.
T 10	23 7	4n52	5 3	22 52	1 38	19 8	1 32	20 42	0 4	15 29	1 11	15 19	2 2	8 55	0 45	21 15	0 21	18 54	3 15	23 31	23 32	0 32			n.a.
F 11	23 2	10 15	4 31	22 28	1 34	18 47	1 31	20 51	0 5	15 25	1 11	15 20	2 2	8 54	0 45	21 15	0 21	18 54	3 15	23 31	23 32	0 35			n.a.
S 12	22 55	15 4	3 43	22 2	1 30	18 25	1 30	21 0	0 5	15 21	1 11	15 22	2 2	8 53	0 44	21 14	0 21	18 54	3 15	23 31	23 32	0 38			n.a.
S 13	22 49	19 1	2 42	21 34	1 26	18 3	1 29	21 8	0 6	15 17	1 11	15 23	2 2	8 52	0 44	21 14	0 21	18 54	3 15	23 30	23 32	0 40			n.a.
M14	22 42	21 51	1 32	21 6	1 21	17 40	1 28	21 16	0 7	15 13	1 11	15 24	2 2	8 51	0 44	21 13	0 21	18 54	3 15	23 30	23 33	0 43			n.a.
T 15	22 35	23 21	0 18	20 37	1 16	17 16	1 26	21 24	0 8	15 9	1 11	15 25	2 3	8 50	0 44	21 13	0 21	18 54	3 14	23 30	23 33	0 46			n.a.
W16	22 27	23 28	0n56	20 7	1 10	16 53	1 25	21 32	0 8	15 5	1 11	15 27	2 3	8 49	0 44	21 12	0 21	18 54	3 14	23 30	23 33	0 49			n.a.
T 17	22 19	22 16	2 5	19 35	1 4	16 28	1 24	21 40	0 9	15 1	1 11	15 28	2 3	8 48	0 44	21 12	0 21	18 54	3 14	23 30	23 33	0 51			n.a.
F 18	22 11	19 55	3 6	19 4	0 58	16 4	1 22	21 47	0 10	14 57	1 10	15 29	2 3	8 47	0 44	21 12	0 21	18 54	3 14	23 31	23 33	0 54			n.a.
S 19	22 2	16 40	3 57	18 31	0 51	15 39	1 21	21 55	0 11	14 53	1 10	15 31	2 3	8 46	0 44	21 11	0 21	18 54	3 14	23 31	23 33	0 57			n.a.
S 20	21 52	12 44	4 36	17 58	0 44	15 13	1 19	22 2	0 11	14 49	1 10	15 32	2 4	8 45	0 44	21 11	0 21	18 54	3 14	23 31	23 33	0 59			n.a.
M21	21 43	8 22	5 2	17 24	0 37	14 47	1 17	22 9	0 12	14 45	1 10	15 33	2 4	8 44	0 44	21 10	0 21	18 54	3 13	23 31	23 34	1 2			n.a.
T 22	21 33	3 44	5 14	16 50	0 30	14 21	1 16	22 16	0 13	14 41	1 10	15 35	2 4	8 43	0 44	21 10	0 21	18 54	3 13	23 31	23 34	1 5			n.a.
W23	21 22	1s 0	5 13	16 15	0 22	13 54	1 14	22 23	0 14	14 37	1 10	15 36	2 4	8 41	0 44	21 9	0 21	18 54	3 13	23 31	23 34	1 8			n.a.
T 24	21 12	5 41	4 58	15 40	0 14	13 27	1 12	22 29	0 15	14 33	1 10	15 38	2 4	8 40	0 44	21 9	0 21	18 54	3 13	23 31	23 34	1 10			n.a.
F 25	21 1	10 12	4 30	15 5	0 6	13 0	1 10	22 35	0 15	14 29	1 10	15 39	2 5	8 39	0 44	21 8	0 21	18 54	3 13	23 31	23 34	1 13			n.a.
S 26	20 49	14 22	3 50	14 30	0s 2	12 32	1 8	22 42	0 16	14 24	1 10	15 41	2 5	8 38	0 44	21 8	0 21	18 54	3 12	23 31	23 34	1 16			n.a.
S 27	20 37	18 1	2 59	13 54	0 10	12 4	1 6	22 48	0 17	14 20	1 10	15 42	2 5	8 37	0 44	21 8	0 21	18 54	3 12	23 31	23 35	1 19			n.a.
M28	20 25	20 56	1 58	13 19	0 19	11 36	1 4	22 53	0 18	14 16	1 10	15 44	2 5	8 35	0 44	21 7	0 21	18 54	3 12	23 31	23 35	1 21			n.a.
T 29	20 12	22 52	0 50	12 43	0 27	11 7	1 1	22 59	0 18	14 12	1 10	15 45	2 5	8 34	0 44	21 7	0 21	18 54	3 12	23 31	23 35	1 24			n.a.
W30	19 59	23 36	0s23	12 7	0 36	10 38	0 59	23 4	0 19	14 7	1 10	15 47	2 5	8 33	0 44	21 6	0 21	18 54	3 12	23 31	23 35	1 27			n.a.
T 31	19n46	22s56	1s36	11n32	0s45	10n 9	0n57	23n10	0n20	14n 3	1n10	15s48	2s 6	8n32	0n44	21n 6	0n21	18s54	3n12	23n31	23n35	1s29			n.a.

Julian Day Number = 1643075.5, Delta T = 03h35m17s
Ecliptic obliquity = 23°43'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'50, Lahiri = - 6°54'49 Julian Calendar 1 July 215 BCE == Greg. Calendar 27 June 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

AUGUST 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 21 55	3♌44'33	9♒ 5	29♌28	7♍34	15♊18	26♌20	23°R28	10♍12	28♋18	8°R59	7°R20	5♋53	15♎36	n.a.	F 1
S 2	20 25 51	4°42'39	23°19	0♍42	8°46	15°56	26°32	23♒24	10°15	28°20	8♐58	7♋16	5°50	15°43	n.a.	S 2
S 3	20 29 48	5°40'46	7♓44	1°54	9°58	16°34	26°45	23°20	10°18	28°22	8°58	7°12	5°47	15°49	n.a.	S 3
M 4	20 33 44	6°38'55	22°15	3° 5	11°10	17°11	26°57	23°15	10°22	28°24	8°57	7° 8	5°44	15°56	n.a.	M 4
T 5	20 37 41	7°37'06	6♈45	4°13	12°22	17°49	27°10	23°11	10°25	28°27	8°56	7° 5	5°40	16° 3	n.a.	T 5
W 6	20 41 38	8°35'19	21°10	5°20	13°34	18°26	27°22	23° 6	10°28	28°29	8°56	7° 2	5°37	16°10	n.a.	W 6
T 7	20 45 34	9°33'34	5♉26	6°24	14°46	19° 4	27°35	23° 2	10°32	28°31	8°55	7°D 1	5°34	16°16	n.a.	T 7
F 8	20 49 31	10°31'52	19°29	7°26	15°58	19°41	27°48	22°58	10°35	28°33	8°55	7° 1	5°31	16°23	n.a.	F 8
S 9	20 53 27	11°30'11	3♊20	8°25	17°10	20°18	28° 0	22°53	10°39	28°35	8°54	7° 3	5°28	16°30	n.a.	S 9
S 10	20 57 24	12°28'34	16°58	9°21	18°21	20°56	28°13	22°48	10°42	28°38	8°54	7° 4	5°24	16°37	n.a.	S 10
M11	21 1 20	13°26'58	0♋23	10°15	19°33	21°33	28°26	22°44	10°45	28°40	8°53	7°R 5	5°21	16°43	n.a.	M11
T 12	21 5 17	14°25'24	13°36	11° 6	20°45	22°10	28°39	22°39	10°49	28°42	8°53	7° 5	5°18	16°50	n.a.	T 12
W13	21 9 13	15°23'53	26°37	11°54	21°57	22°47	28°52	22°35	10°52	28°44	8°52	7° 4	5°15	16°57	n.a.	W13
T 14	21 13 10	16°22'24	9♌25	12°38	23° 8	23°24	29° 4	22°30	10°56	28°46	8°52	7° 0	5°12	17° 3	n.a.	T 14
F 15	21 17 7	17°20'56	22° 2	13°18	24°20	24° 0	29°17	22°25	10°59	28°48	8°52	6°54	5° 9	17°10	n.a.	F 15
S 16	21 21 3	18°19'31	4♍27	13°54	25°31	24°37	29°30	22°21	11° 3	28°51	8°51	6°47	5° 5	17°17	n.a.	S 16
S 17	21 25 0	19°18'07	16°41	14°26	26°43	25°14	29°43	22°16	11° 7	28°53	8°51	6°40	5° 2	17°24	n.a.	S 17
M18	21 28 56	20°16'46	28°45	14°54	27°54	25°50	29°56	22°11	11°10	28°55	8°51	6°32	4°59	17°30	n.a.	M18
T 19	21 32 53	21°15'26	10♎42	15°16	29° 6	26°27	0♍ 9	22° 7	11°14	28°57	8°51	6°24	4°56	17°37	n.a.	T 19
W20	21 36 49	22°14'08	22°34	15°33	0♎17	27° 3	0°22	22° 2	11°17	28°59	8°50	6°18	4°53	17°44	n.a.	W20
T 21	21 40 46	23°12'52	4♏26	15°45	1°28	27°39	0°35	21°57	11°21	29° 1	8°50	6°14	4°49	17°50	n.a.	T 21
F 22	21 44 42	24°11'38	16°20	15°R50	2°39	28°16	0°48	21°53	11°25	29° 3	8°50	6°12	4°46	17°57	n.a.	F 22
S 23	21 48 39	25°10'26	28°22	15°49	3°51	28°52	1° 1	21°48	11°28	29° 5	8°50	6°D12	4°43	18° 4	n.a.	S 23
S 24	21 52 35	26° 9'15	10♐37	15°41	5° 2	29°28	1°14	21°43	11°32	29° 7	8°50	6°13	4°40	18°11	n.a.	S 24
M25	21 56 32	27° 8'07	23°10	15°26	6°13	0♋ 4	1°27	21°39	11°36	29° 9	8°D50	6°14	4°37	18°17	n.a.	M25
T 26	22 0 29	28° 7'00	6♑ 5	15° 3	7°24	0°40	1°40	21°34	11°39	29°11	8°50	6°R15	4°34	18°24	n.a.	T 26
W27	22 4 25	29° 5'55	19°26	14°34	8°35	1°16	1°53	21°29	11°43	29°13	8°50	6°14	4°30	18°31	n.a.	W27
T 28	22 8 22	0♍ 4'53	3♒15	13°57	9°46	1°51	2° 6	21°25	11°47	29°15	8°50	6°11	4°27	18°38	n.a.	T 28
F 29	22 12 18	1° 3'52	17°29	13°12	10°57	2°27	2°19	21°20	11°51	29°17	8°50	6° 6	4°24	18°44	n.a.	F 29
S 30	22 16 15	2° 2'53	2♓ 5	12°21	12° 7	3° 2	2°32	21°16	11°54	29°19	8°50	5°59	4°21	18°51	n.a.	S 30
S 31	22 20 11	3♍ 1'56	16♓56	11♍24	13♎18	3♋38	2♍45	21♒11	11♍58	29♋21	8♐51	5♋50	4♋18	18♎58	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n33	20s51	2s45	10n57	0s54	9n40	0n54	23n15	0n21	13n59	1n10	15s50	2s 6	8n31	0n44	21n 5	0n21	18s54	3n11	23n31	23n35	1s32		n.a.
S 2	19 19	17 27	3 45	10 22	1 3	9 10	0 52	23 20	0 22	13 54	1 10	15 51	2 6	8 29	0 44	21 5	0 21	18 54	3 11	23 31	23 35	1 35		n.a.
S 3	19 4	12 58	4 32	9 48	1 13	8 40	0 49	23 24	0 22	13 50	1 10	15 53	2 6	8 28	0 44	21 5	0 21	18 54	3 11	23 31	23 36	1 38		n.a.
M 4	18 50	7 43	5 2	9 13	1 22	8 10	0 46	23 29	0 23	13 46	1 10	15 54	2 6	8 27	0 44	21 4	0 21	18 55	3 11	23 32	23 36	1 40		n.a.
T 5	18 35	2 4	5 12	8 40	1 31	7 40	0 44	23 33	0 24	13 41	1 10	15 56	2 6	8 25	0 44	21 4	0 21	18 55	3 11	23 32	23 36	1 43		n.a.
W 6	18 20	3n41	5 3	8 7	1 40	7 10	0 41	23 37	0 25	13 37	1 10	15 58	2 6	8 24	0 44	21 3	0 21	18 55	3 10	23 32	23 36	1 46		n.a.
T 7	18 4	9 10	4 35	7 34	1 50	6 39	0 38	23 41	0 26	13 32	1 10	15 59	2 7	8 23	0 44	21 3	0 21	18 55	3 10	23 32	23 36	1 49		n.a.
F 8	17 48	14 7	3 51	7 3	1 59	6 8	0 35	23 45	0 26	13 28	1 10	16 1	2 7	8 21	0 44	21 2	0 21	18 55	3 10	23 32	23 36	1 51		n.a.
S 9	17 32	18 14	2 54	6 32	2 8	5 37	0 32	23 49	0 27	13 24	1 10	16 2	2 7	8 20	0 44	21 2	0 21	18 55	3 10	23 32	23 36	1 54		n.a.
S 10	17 16	21 18	1 47	6 2	2 17	5 6	0 29	23 52	0 28	13 19	1 10	16 4	2 7	8 19	0 44	21 1	0 21	18 55	3 10	23 32	23 37	1 57		n.a.
M11	16 59	23 7	0 36	5 33	2 26	4 35	0 26	23 56	0 29	13 15	1 10	16 6	2 7	8 17	0 44	21 1	0 21	18 55	3 9	23 32	23 37	2 0		n.a.
T 12	16 42	23 36	0n35	5 6	2 35	4 4	0 23	23 59	0 30	13 10	1 10	16 7	2 7	8 16	0 44	21 1	0 21	18 55	3 9	23 32	23 37	2 2		n.a.
W13	16 24	22 47	1 44	4 39	2 44	3 32	0 20	24 2	0 31	13 5	1 10	16 9	2 7	8 15	0 44	21 0	0 21	18 56	3 9	23 32	23 37	2 5		n.a.
T 14	16 7	20 46	2 46	4 15	2 53	3 1	0 17	24 5	0 31	13 1	1 9	16 11	2 7	8 13	0 44	21 0	0 21	18 56	3 9	23 32	23 37	2 8		n.a.
F 15	15 49	17 47	3 39	3 52	3 1	2 29	0 13	24 7	0 32	12 56	1 9	16 12	2 7	8 12	0 44	20 59	0 21	18 56	3 9	23 32	23 37	2 11		n.a.
S 16	15 31	14 2	4 21	3 30	3 9	1 57	0 10	24 10	0 33	12 52	1 9	16 14	2 7	8 11	0 44	20 59	0 21	18 56	3 9	23 33	23 37	2 13		n.a.
S 17	15 12	9 45	4 50	3 11	3 16	1 26	0 7	24 12	0 34	12 47	1 9	16 15	2 8	8 9	0 44	20 58	0 21	18 56	3 8	23 33	23 37	2 16		n.a.
M18	14 54	5 9	5 5	2 54	3 23	0 54	0 3	24 14	0 35	12 43	1 9	16 17	2 8	8 8	0 44	20 58	0 21	18 56	3 8	23 33	23 38	2 19		n.a.
T 19	14 35	0 25	5 7	2 39	3 30	0 22	0 0	24 16	0 36	12 38	1 9	16 19	2 8	8 6	0 44	20 58	0 21	18 56	3 8	23 34	23 38	2 22		n.a.
W20	14 16	4s19	4 56	2 27	3 36	0s10	0s 3	24 18	0 36	12 33	1 9	16 20	2 8	8 5	0 44	20 57	0 21	18 57	3 8	23 34	23 38	2 24		n.a.
T 21	13 56	8 53	4 32	2 17	3 41	0 42	0 7	24 19	0 37	12 29	1 10	16 22	2 8	8 4	0 44	20 57	0 21	18 57	3 8	23 34	23 38	2 27		n.a.
F 22	13 37	13 9	3 56	2 11	3 46	1 14	0 10	24 21	0 38	12 24	1 10	16 24	2 8	8 2	0 44	20 56	0 21	18 57	3 7	23 34	23 38	2 30		n.a.
S 23	13 17	16 57	3 9	2 8	3 50	1 46	0 14	24 22	0 39	12 19	1 10	16 25	2 8	8 1	0 44	20 56	0 21	18 57	3 7	23 34	23 38	2 33		n.a.
S 24	12 57	20 6	2 13	2 9	3 52	2 17	0 18	24 23	0 40	12 15	1 10	16 27	2 8	7 59	0 43	20 55	0 21	18 57	3 7	23 34	23 38	2 35		n.a.
M25	12 37	22 23	1 10	2 14	3 54	2 49	0 21	24 24	0 41	12 10	1 10	16 28	2 8	7 58	0 43	20 55	0 21	18 58	3 7	23 34	23 38	2 38		n.a.
T 26	12 16	23 34	0 1	2 22	3 54	3 21	0 25	24 25	0 42	12 5	1 10	16 30	2 8	7 56	0 43	20 55	0 22	18 58	3 7	23 34	23 38	2 41		n.a.
W27	11 55	23 27	1s10	2 35	3 52	3 53	0 29	24 25	0 43	12 1	1 10	16 31	2 8	7 55	0 43	20 54	0 22	18 58	3 6	23 34	23 39	2 44		n.a.
T 28	11 34	21 55	2 20	2 52	3 49	4 24	0 32	24 26	0 43	11 56	1 10	16 33	2 8	7 54	0 43	20 54	0 22	18 58	3 6	23 34	23 39	2 46		n.a.
F 29	11 13	18 59	3 22	3 14	3 44	4 56	0 36	24 26	0 44	11 51	1 10	16 34	2 8	7 52	0 43	20 53	0 22	18 58	3 6	23 35	23 39	2 49		n.a.
S 30	10 52	14 47	4 13	3 40	3 37	5 27	0 40	24 26	0 45	11 46	1 10	16 36	2 8	7 51	0 43	20 53	0 22	18 59	3 6	23 35	23 39	2 52		n.a.
S 31	10n31	9s38	4s48	4n10	3s29	5s59	0s44	24n26	0n46	11n42	1n10	16s37	2s 8	7n49	0n43	20n53	0n22	18s59	3n 6	23n35	23n39	2s55		n.a.

Julian Day Number = 1643106.5, Delta T = 03h35m16s
Ecliptic obliquity = 23°43'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'46, Lahiri = - 6°54'45 Julian Calendar 1 Aug. 215 BCE == Greg. Calendar 28 July 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

SEPTEMBER 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 24 8	4♍ 1'01	1♈54	10°R22	14♎29	4♋13	2♍58	21°R 7	12♍ 2	29♋23	8♐51	5°R41	4♋15	19♎ 4	n.a.	M 1
T 2	22 28 4	5° 0'09	16°50	9♍16	15°39	4°49	3°11	21♒ 2	12° 6	29°25	8°51	5♋33	4°11	19°11	n.a.	T 2
W 3	22 32 1	5°59'19	1♉34	8° 7	16°50	5°24	3°24	20°58	12° 9	29°27	8°51	5°26	4° 8	19°18	n.a.	W 3
T 4	22 35 58	6°58'31	16° 1	6°58	18° 0	5°59	3°37	20°53	12°13	29°29	8°51	5°22	4° 5	19°25	n.a.	T 4
F 5	22 39 54	7°57'46	0♊ 9	5°49	19°10	6°34	3°51	20°49	12°17	29°31	8°52	5°20	4° 2	19°31	n.a.	F 5
S 6	22 43 51	8°57'04	13°55	4°44	20°21	7° 9	4° 4	20°45	12°21	29°32	8°52	5°D20	3°59	19°38	n.a.	S 6
S 7	22 47 47	9°56'24	27°22	3°43	21°31	7°44	4°17	20°40	12°25	29°34	8°52	5°21	3°55	19°45	n.a.	S 7
M 8	22 51 44	10°55'46	10♋31	2°49	22°41	8°18	4°30	20°36	12°28	29°36	8°53	5°R21	3°52	19°51	n.a.	M 8
T 9	22 55 40	11°55'11	23°25	2° 3	23°51	8°53	4°43	20°32	12°32	29°38	8°53	5°19	3°49	19°58	n.a.	T 9
W10	22 59 37	12°54'38	6♌ 6	1°26	25° 1	9°27	4°56	20°28	12°36	29°39	8°54	5°15	3°46	20° 5	n.a.	W10
T 11	23 3 33	13°54'08	18°37	0°59	26°11	10° 2	5° 9	20°24	12°40	29°41	8°54	5° 9	3°43	20°12	n.a.	T 11
F 12	23 7 30	14°53'39	0♍58	0°42	27°21	10°36	5°22	20°19	12°44	29°43	8°55	4°59	3°40	20°18	n.a.	F 12
S 13	23 11 27	15°53'13	13°10	0°D37	28°31	11°10	5°35	20°15	12°47	29°45	8°55	4°47	3°36	20°25	n.a.	S 13
S 14	23 15 23	16°52'49	25°16	0°43	29°40	11°44	5°48	20°12	12°51	29°46	8°56	4°34	3°33	20°32	n.a.	S 14
M15	23 19 20	17°52'27	7♎15	0°59	0♏50	12°18	6° 0	20° 8	12°55	29°48	8°57	4°20	3°30	20°38	n.a.	M15
T 16	23 23 16	18°52'07	19° 8	1°26	2° 0	12°52	6°13	20° 4	12°59	29°49	8°57	4° 7	3°27	20°45	n.a.	T 16
W17	23 27 13	19°51'49	0♏59	2° 2	3° 9	13°26	6°26	20° 0	13° 2	29°51	8°58	3°56	3°24	20°52	n.a.	W17
T 18	23 31 9	20°51'33	12°48	2°47	4°18	14° 0	6°39	19°56	13° 6	29°53	8°59	3°48	3°21	20°59	n.a.	T 18
F 19	23 35 6	21°51'19	24°41	3°40	5°28	14°33	6°52	19°53	13°10	29°54	8°59	3°42	3°17	21° 5	n.a.	F 19
S 20	23 39 2	22°51'07	6♐40	4°40	6°37	15° 7	7° 5	19°49	13°14	29°56	9° 0	3°39	3°14	21°12	n.a.	S 20
S 21	23 42 59	23°50'56	18°51	5°46	7°46	15°40	7°18	19°46	13°18	29°57	9° 1	3°38	3°11	21°19	n.a.	S 21
M22	23 46 55	24°50'48	1♑19	6°58	8°55	16°13	7°30	19°42	13°21	29°59	9° 2	3°38	3° 8	21°25	n.a.	M22
T 23	23 50 52	25°50'41	14° 9	8°15	10° 3	16°46	7°43	19°39	13°25	0♌ 0	9° 3	3°38	3° 5	21°32	n.a.	T 23
W24	23 54 49	26°50'36	27°25	9°37	11°12	17°19	7°56	19°36	13°29	0° 1	9° 3	3°36	3° 1	21°39	n.a.	W24
T 25	23 58 45	27°50'32	11♒11	11° 1	12°21	17°52	8° 9	19°33	13°32	0° 3	9° 4	3°32	2°58	21°46	n.a.	T 25
F 26	0 2 42	28°50'31	25°28	12°29	13°29	18°24	8°21	19°30	13°36	0° 4	9° 5	3°25	2°55	21°52	n.a.	F 26
S 27	0 6 38	29°50'31	10♓11	13°59	14°37	18°57	8°34	19°27	13°40	0° 6	9° 6	3°16	2°52	21°59	n.a.	S 27
S 28	0 10 35	0♎50'33	25°16	15°32	15°46	19°29	8°46	19°24	13°43	0° 7	9° 7	3° 5	2°49	22° 6	n.a.	S 28
M29	0 14 31	1°50'37	10♈33	17° 6	16°54	20° 2	8°59	19°21	13°47	0° 8	9° 8	2°54	2°46	22°12	n.a.	M29
T 30	0 18 28	2♎50'43	25♈49	18♍41	18♏ 2	20♋34	9♍11	19♒18	13♍51	0♌ 9	9♐ 9	2♋43	2♋42	22♎19	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n 9	3s52	5s 4	4n43	3s18	6s30	0s47	24n26	0n47	11n37	1n10	16s39	2s 8	7n48	0n43	20n52	0n22	18s59	3n 5	23n36	23n39	2s57		n.a.
T 2	9 47	2n 6	4 58	5 20	3 5	7 1	0 51	24 26	0 48	11 32	1 10	16 40	2 8	7 46	0 43	20 52	0 22	18 59	3 5	23 36	23 39	3 0		n.a.
W 3	9 25	7 53	4 34	5 59	2 50	7 32	0 55	24 25	0 49	11 27	1 10	16 42	2 8	7 45	0 43	20 52	0 22	18 59	3 5	23 36	23 39	3 3		n.a.
T 4	9 3	13 8	3 51	6 40	2 34	8 3	0 59	24 25	0 50	11 23	1 10	16 43	2 8	7 43	0 43	20 51	0 22	19 0	3 5	23 37	23 39	3 6		n.a.
F 5	8 41	17 33	2 56	7 22	2 16	8 33	1 3	24 24	0 51	11 18	1 10	16 45	2 8	7 42	0 43	20 51	0 22	19 0	3 5	23 37	23 40	3 8		n.a.
S 6	8 18	20 54	1 52	8 4	1 57	9 4	1 6	24 23	0 52	11 13	1 10	16 46	2 8	7 40	0 43	20 50	0 22	19 0	3 4	23 37	23 40	3 11		n.a.
S 7	7 56	22 59	0 42	8 45	1 38	9 34	1 10	24 22	0 53	11 8	1 10	16 48	2 8	7 39	0 43	20 50	0 22	19 0	3 4	23 37	23 40	3 14		n.a.
M 8	7 33	23 45	0n28	9 23	1 18	10 4	1 14	24 21	0 54	11 4	1 10	16 49	2 8	7 38	0 43	20 50	0 22	19 1	3 4	23 37	23 40	3 17		n.a.
T 9	7 10	23 13	1 35	9 59	0 57	10 34	1 18	24 20	0 55	10 59	1 10	16 50	2 8	7 36	0 43	20 49	0 22	19 1	3 4	23 37	23 40	3 19		n.a.
W10	6 47	21 29	2 36	10 31	0 37	11 4	1 22	24 18	0 55	10 54	1 10	16 52	2 8	7 35	0 43	20 49	0 22	19 1	3 4	23 37	23 40	3 22		n.a.
T 11	6 24	18 43	3 28	10 59	0 18	11 33	1 25	24 16	0 56	10 49	1 10	16 53	2 8	7 33	0 43	20 49	0 22	19 1	3 3	23 37	23 40	3 25		n.a.
F 12	6 1	15 9	4 10	11 22	0n 1	12 2	1 29	24 15	0 57	10 44	1 10	16 54	2 8	7 32	0 43	20 48	0 22	19 2	3 3	23 38	23 40	3 28		n.a.
S 13	5 38	10 59	4 40	11 40	0 18	12 31	1 33	24 13	0 58	10 40	1 10	16 55	2 8	7 30	0 43	20 48	0 22	19 2	3 3	23 38	23 40	3 31		n.a.
S 14	5 14	6 26	4 57	11 53	0 35	13 0	1 37	24 11	0 59	10 35	1 10	16 57	2 8	7 29	0 43	20 48	0 22	19 2	3 3	23 38	23 40	3 33		n.a.
M15	4 51	1 41	5 0	12 1	0 50	13 28	1 40	24 9	1 0	10 30	1 10	16 58	2 8	7 27	0 43	20 47	0 22	19 3	3 3	23 39	23 40	3 36		n.a.
T 16	4 27	3s 6	4 50	12 4	1 3	13 56	1 44	24 6	1 1	10 25	1 10	16 59	2 8	7 26	0 43	20 47	0 22	19 3	3 2	23 39	23 41	3 39		n.a.
W17	4 4	7 46	4 28	12 2	1 15	14 24	1 48	24 4	1 2	10 21	1 11	17 0	2 8	7 24	0 43	20 47	0 22	19 3	3 2	23 40	23 41	3 42		n.a.
T 18	3 40	12 8	3 55	11 56	1 26	14 51	1 52	24 2	1 3	10 16	1 11	17 1	2 8	7 23	0 43	20 46	0 22	19 3	3 2	23 40	23 41	3 44		n.a.
F 19	3 16	16 5	3 10	11 45	1 35	15 18	1 55	23 59	1 4	10 11	1 11	17 2	2 8	7 21	0 43	20 46	0 22	19 4	3 2	23 40	23 41	3 47		n.a.
S 20	2 52	19 25	2 18	11 30	1 42	15 45	1 59	23 56	1 5	10 6	1 11	17 3	2 8	7 20	0 43	20 46	0 22	19 4	3 2	23 40	23 41	3 50		n.a.
S 21	2 28	21 58	1 17	11 11	1 49	16 11	2 2	23 53	1 6	10 2	1 11	17 4	2 7	7 19	0 43	20 45	0 22	19 4	3 1	23 40	23 41	3 53		n.a.
M22	2 4	23 31	0 12	10 49	1 54	16 37	2 6	23 50	1 7	9 57	1 11	17 5	2 7	7 17	0 43	20 45	0 22	19 5	3 1	23 40	23 41	3 55		n.a.
T 23	1 40	23 53	0s55	10 23	1 58	17 3	2 9	23 47	1 8	9 52	1 11	17 6	2 7	7 16	0 43	20 45	0 22	19 5	3 1	23 40	23 41	3 58		n.a.
W24	1 16	22 55	2 2	9 55	2 1	17 28	2 13	23 44	1 9	9 47	1 11	17 7	2 7	7 14	0 43	20 45	0 22	19 5	3 1	23 40	23 41	4 1		n.a.
T 25	0 52	20 34	3 4	9 24	2 2	17 53	2 16	23 41	1 11	9 43	1 11	17 8	2 7	7 13	0 43	20 44	0 22	19 6	3 1	23 40	23 41	4 4		n.a.
F 26	0 28	16 54	3 57	8 51	2 3	18 17	2 20	23 37	1 12	9 38	1 11	17 9	2 7	7 11	0 43	20 44	0 22	19 6	3 1	23 41	23 41	4 6		n.a.
S 27	0 4	12 5	4 36	8 16	2 3	18 41	2 23	23 34	1 13	9 33	1 11	17 10	2 7	7 10	0 43	20 44	0 22	19 6	3 0	23 41	23 41	4 9		n.a.
S 28	0s20	6 26	4 57	7 39	2 3	19 5	2 26	23 30	1 14	9 29	1 11	17 11	2 7	7 8	0 43	20 44	0 22	19 7	3 0	23 41	23 41	4 12		n.a.
M29	0 45	0 20	4 57	7 1	2 1	19 28	2 29	23 26	1 15	9 24	1 11	17 12	2 7	7 7	0 43	20 43	0 22	19 7	3 0	23 41	23 42	4 15		n.a.
T 30	1s 9	5n48	4s36	6n21	1n59	19s50	2s32	23n23	1n16	9n19	1n12	17s13	2s 7	7n 6	0n44	20n43	0n22	19s 7	3n 0	23n42	23n42	4s18		n.a.

Julian Day Number = 1643137.5, Delta T = 03h35m15s
Ecliptic obliquity = 23°43'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'41, Lahiri = - 6°54'41 Julian Calendar 1 Sept. 215 BCE == Greg. Calendar 28 Aug. 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

OCTOBER 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 22 24	3♎50'51	10♉54	20♍17	19♏ 9	21♋ 6	9♍24	19°R15	13♍54	0♌11	9♐11	2°R34	2♋39	22♎26	n.a.	W 1
T 2	0 26 21	4°51'01	25°39	21°54	20°17	21°38	9°36	19♒13	13°58	0°12	9°12	2♋28	2°36	22°33	n.a.	T 2
F 3	0 30 18	5°51'14	10♊ 0	23°32	21°24	22° 9	9°49	19°10	14° 2	0°13	9°13	2°25	2°33	22°39	n.a.	F 3
S 4	0 34 14	6°51'29	23°54	25°10	22°32	22°41	10° 1	19° 8	14° 5	0°14	9°14	2°23	2°30	22°46	n.a.	S 4
S 5	0 38 11	7°51'46	7♋22	26°48	23°39	23°12	10°13	19° 6	14° 9	0°15	9°15	2°23	2°26	22°53	n.a.	S 5
M 6	0 42 7	8°52'05	20°27	28°26	24°46	23°44	10°26	19° 4	14°12	0°16	9°16	2°23	2°23	22°59	n.a.	M 6
T 7	0 46 4	9°52'26	3♌12	0♎ 5	25°53	24°15	10°38	19° 2	14°16	0°17	9°18	2°21	2°20	23° 6	n.a.	T 7
W 8	0 50 0	10°52'49	15°42	1°43	26°59	24°46	10°50	19° 0	14°19	0°18	9°19	2°17	2°17	23°13	n.a.	W 8
T 9	0 53 57	11°53'14	28° 0	3°22	28° 6	25°17	11° 2	18°58	14°23	0°19	9°20	2°10	2°14	23°20	n.a.	T 9
F 10	0 57 53	12°53'41	10♍ 9	5° 0	29°12	25°47	11°14	18°56	14°26	0°20	9°22	2° 0	2°11	23°26	n.a.	F 10
S 11	1 1 50	13°54'10	22°11	6°38	0♐18	26°18	11°26	18°54	14°30	0°21	9°23	1°47	2° 7	23°33	n.a.	S 11
S 12	1 5 46	14°54'41	4♎ 9	8°16	1°24	26°48	11°38	18°53	14°33	0°22	9°24	1°33	2° 4	23°40	n.a.	S 12
M13	1 9 43	15°55'13	16° 2	9°53	2°30	27°18	11°50	18°51	14°37	0°23	9°26	1°18	2° 1	23°46	n.a.	M13
T 14	1 13 40	16°55'48	27°54	11°31	3°35	27°48	12° 2	18°50	14°40	0°24	9°27	1° 5	1°58	23°53	n.a.	T 14
W15	1 17 36	17°56'23	9♏44	13° 8	4°41	28°18	12°14	18°48	14°43	0°24	9°28	0°53	1°55	24° 0	n.a.	W15
T 16	1 21 33	18°57'01	21°36	14°45	5°46	28°48	12°25	18°47	14°47	0°25	9°30	0°44	1°52	24° 7	n.a.	T 16
F 17	1 25 29	19°57'40	3♐31	16°21	6°51	29°17	12°37	18°46	14°50	0°26	9°31	0°37	1°48	24°13	n.a.	F 17
S 18	1 29 26	20°58'20	15°32	17°57	7°55	29°46	12°49	18°45	14°53	0°26	9°33	0°34	1°45	24°20	n.a.	S 18
S 19	1 33 22	21°59'02	27°43	19°33	8°59	0♌15	13° 0	18°44	14°56	0°27	9°35	0°D33	1°42	24°27	n.a.	S 19
M20	1 37 19	22°59'45	10♑ 8	21° 9	10° 4	0°44	13°12	18°43	15° 0	0°28	9°36	0°33	1°39	24°33	n.a.	M20
T 21	1 41 15	24° 0'29	22°53	22°45	11° 7	1°13	13°23	18°43	15° 3	0°28	9°38	0°R33	1°36	24°40	n.a.	T 21
W22	1 45 12	25° 1'14	6♒ 2	24°20	12°11	1°41	13°34	18°42	15° 6	0°29	9°39	0°33	1°32	24°47	n.a.	W22
T 23	1 49 9	26° 2'00	19°38	25°55	13°14	2° 9	13°46	18°42	15° 9	0°29	9°41	0°30	1°29	24°54	n.a.	T 23
F 24	1 53 5	27° 2'48	3♓44	27°30	14°17	2°37	13°57	18°41	15°12	0°30	9°43	0°26	1°26	25° 0	n.a.	F 24
S 25	1 57 2	28° 3'36	18°19	29° 5	15°20	3° 5	14° 8	18°41	15°15	0°30	9°44	0°18	1°23	25° 7	n.a.	S 25
S 26	2 0 58	29° 4'26	3♈18	0♏39	16°22	3°33	14°19	18°41	15°18	0°31	9°46	0° 9	1°20	25°14	n.a.	S 26
M27	2 4 55	0♏ 5'17	18°33	2°14	17°24	4° 0	14°30	18°D41	15°21	0°31	9°48	29♊59	1°17	25°20	n.a.	M27
T 28	2 8 51	1° 6'09	3♉55	3°48	18°25	4°27	14°41	18°41	15°24	0°31	9°49	29°51	1°13	25°27	n.a.	T 28
W29	2 12 48	2° 7'02	19°10	5°22	19°26	4°54	14°51	18°41	15°27	0°32	9°51	29°43	1°10	25°34	n.a.	W29
T 30	2 16 44	3° 7'57	4♊ 9	6°56	20°27	5°21	15° 2	18°42	15°30	0°32	9°53	29°38	1° 7	25°41	n.a.	T 30
F 31	2 20 41	4♏ 8'53	18♊44	8♏30	21♐28	5♌47	15♍13	18♒42	15♍33	0♌32	9♐55	29♊36	1♋ 4	25♎47	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	1s33	11n32	3s56	5n40	1n56	20s12	2s35	23n19	1n17	9n15	1n12	17s13	2s 7	7n 4	0n44	20n43	0n22	19s 8	3n 0	23n42	23n42	4s20			n.a.
T 2	1 57	16 28	3 1	4 59	1 53	20 34	2 38	23 15	1 18	9 10	1 12	17 14	2 6	7 3	0 44	20 43	0 22	19 8	2 59	23 42	23 42	4 23			n.a.
F 3	2 21	20 19	1 55	4 17	1 50	20 55	2 41	23 11	1 19	9 5	1 12	17 15	2 6	7 1	0 44	20 42	0 22	19 8	2 59	23 42	23 42	4 26			n.a.
S 4	2 45	22 50	0 45	3 34	1 46	21 16	2 44	23 6	1 20	9 1	1 12	17 15	2 6	7 0	0 44	20 42	0 22	19 9	2 59	23 42	23 42	4 29			n.a.
S 5	3 9	23 57	0n26	2 50	1 41	21 36	2 47	23 2	1 21	8 56	1 12	17 16	2 6	6 59	0 44	20 42	0 22	19 9	2 59	23 42	23 42	4 31			n.a.
M 6	3 33	23 41	1 34	2 6	1 37	21 55	2 50	22 58	1 23	8 51	1 12	17 17	2 6	6 57	0 44	20 42	0 22	19 9	2 59	23 42	23 42	4 34			n.a.
T 7	3 57	22 11	2 35	1 22	1 32	22 14	2 52	22 54	1 24	8 47	1 12	17 17	2 6	6 56	0 44	20 41	0 22	19 10	2 59	23 42	23 42	4 37			n.a.
W 8	4 21	19 37	3 27	0 37	1 26	22 33	2 55	22 49	1 25	8 42	1 12	17 18	2 6	6 55	0 44	20 41	0 22	19 10	2 58	23 42	23 42	4 40			n.a.
T 9	4 45	16 12	4 9	0s 7	1 21	22 51	2 57	22 45	1 26	8 38	1 13	17 18	2 6	6 53	0 44	20 41	0 22	19 11	2 58	23 42	23 42	4 43			n.a.
F 10	5 9	12 9	4 39	0 52	1 15	23 8	2 59	22 40	1 27	8 33	1 13	17 19	2 5	6 52	0 44	20 41	0 22	19 11	2 58	23 42	23 42	4 45			n.a.
S 11	5 33	7 39	4 56	1 36	1 9	23 25	3 2	22 35	1 28	8 29	1 13	17 19	2 5	6 51	0 44	20 41	0 22	19 11	2 58	23 43	23 42	4 48			n.a.
S 12	5 57	2 55	5 0	2 21	1 3	23 41	3 4	22 31	1 30	8 24	1 13	17 19	2 5	6 49	0 44	20 41	0 23	19 12	2 58	23 43	23 42	4 51			n.a.
M13	6 20	1s55	4 50	3 5	0 57	23 56	3 6	22 26	1 31	8 20	1 13	17 20	2 5	6 48	0 44	20 40	0 23	19 12	2 57	23 43	23 42	4 54			n.a.
T 14	6 44	6 41	4 28	3 50	0 51	24 11	3 8	22 21	1 32	8 15	1 13	17 20	2 5	6 47	0 44	20 40	0 23	19 12	2 57	23 43	23 42	4 56			n.a.
W15	7 7	11 12	3 55	4 34	0 44	24 26	3 10	22 16	1 33	8 11	1 13	17 20	2 5	6 45	0 44	20 40	0 23	19 13	2 57	23 43	23 42	4 59			n.a.
T 16	7 30	15 18	3 11	5 18	0 38	24 40	3 11	22 11	1 35	8 6	1 13	17 20	2 5	6 44	0 44	20 40	0 23	19 13	2 57	23 43	23 42	5 2			n.a.
F 17	7 54	18 50	2 18	6 1	0 31	24 53	3 13	22 6	1 36	8 2	1 14	17 21	2 4	6 43	0 44	20 40	0 23	19 14	2 57	23 43	23 43	5 5			n.a.
S 18	8 17	21 37	1 19	6 45	0 25	25 5	3 15	22 1	1 37	7 58	1 14	17 21	2 4	6 42	0 44	20 40	0 23	19 14	2 57	23 43	23 43	5 8			n.a.
S 19	8 40	23 27	0 15	7 28	0 18	25 17	3 16	21 56	1 38	7 53	1 14	17 21	2 4	6 40	0 44	20 40	0 23	19 14	2 56	23 43	23 43	5 10			n.a.
M20	9 3	24 10	0s51	8 10	0 12	25 28	3 17	21 51	1 40	7 49	1 14	17 21	2 4	6 39	0 44	20 40	0 23	19 15	2 56	23 43	23 43	5 13			n.a.
T 21	9 25	23 40	1 56	8 52	0 5	25 39	3 18	21 46	1 41	7 45	1 14	17 21	2 4	6 38	0 44	20 39	0 23	19 15	2 56	23 43	23 43	5 16			n.a.
W22	9 48	21 51	2 57	9 34	0s 2	25 49	3 19	21 41	1 42	7 40	1 14	17 21	2 4	6 37	0 44	20 39	0 23	19 16	2 56	23 43	23 43	5 19			n.a.
T 23	10 10	18 44	3 50	10 15	0 8	25 58	3 20	21 35	1 43	7 36	1 14	17 21	2 4	6 35	0 44	20 39	0 23	19 16	2 56	23 43	23 43	5 21			n.a.
F 24	10 32	14 28	4 32	10 56	0 15	26 6	3 21	21 30	1 45	7 32	1 15	17 21	2 3	6 34	0 44	20 39	0 23	19 16	2 56	23 43	23 43	5 24			n.a.
S 25	10 54	9 13	4 57	11 36	0 21	26 14	3 21	21 25	1 46	7 28	1 15	17 21	2 3	6 33	0 44	20 39	0 23	19 17	2 56	23 43	23 43	5 27			n.a.
S 26	11 16	3 18	5 3	12 16	0 28	26 22	3 22	21 20	1 47	7 24	1 15	17 21	2 3	6 32	0 44	20 39	0 23	19 17	2 55	23 43	23 43	5 30			n.a.
M27	11 38	2n55	4 48	12 55	0 34	26 28	3 22	21 15	1 49	7 20	1 15	17 21	2 3	6 31	0 44	20 39	0 23	19 18	2 55	23 43	23 43	5 33			n.a.
T 28	12 0	9 1	4 12	13 34	0 40	26 34	3 22	21 9	1 50	7 15	1 15	17 21	2 3	6 30	0 44	20 39	0 23	19 18	2 55	23 43	23 43	5 35			n.a.
W29	12 21	14 32	3 19	14 12	0 46	26 39	3 22	21 4	1 52	7 11	1 15	17 20	2 3	6 29	0 44	20 39	0 23	19 18	2 55	23 43	23 43	5 38			n.a.
T 30	12 42	19 4	2 12	14 49	0 53	26 44	3 22	20 59	1 53	7 7	1 16	17 20	2 2	6 28	0 44	20 39	0 23	19 19	2 55	23 43	23 43	5 41			n.a.
F 31	13s 3	22n17	0s58	15s25	0s58	26s48	3s22	20n54	1n54	7n 3	1n16	17s20	2s 2	6n26	0n44	20n39	0n23	19s19	2n55	23n43	23n43	5s44			n.a.

Julian Day Number = 1643167.5, Delta T = 03h35m14s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'37, Lahiri = - 6°54'37 Julian Calendar 1 Oct. 215 BCE == Greg. Calendar 27 Sept. 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

NOVEMBER 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 24 38	5♏ 9'51	2♋51	10♏ 4	22♐28	6♌14	15♍23	18♒43	15♍35	0♌32	9♐56	29°D35	1♋ 1	25♎54	n.a.	S 1
S 2	2 28 34	6°10'50	16°29	11°38	23°27	6°39	15°34	18°43	15°38	0°33	9°58	29♊36	0°58	26° 1	n.a.	S 2
M 3	2 32 31	7°11'50	29°40	13°11	24°26	7° 5	15°44	18°44	15°41	0°33	10° 0	29°37	0°54	26° 7	n.a.	M 3
T 4	2 36 27	8°12'51	12♌28	14°45	25°25	7°31	15°54	18°45	15°44	0°33	10° 2	29°R37	0°51	26°14	n.a.	T 4
W 5	2 40 24	9°13'54	24°56	16°19	26°23	7°56	16° 4	18°46	15°46	0°33	10° 4	29°36	0°48	26°21	n.a.	W 5
T 6	2 44 20	10°14'58	7♍10	17°52	27°21	8°21	16°14	18°47	15°49	0°R33	10° 6	29°32	0°45	26°28	n.a.	T 6
F 7	2 48 17	11°16'03	19°13	19°26	28°18	8°45	16°24	18°48	15°51	0°33	10° 8	29°26	0°42	26°34	n.a.	F 7
S 8	2 52 13	12°17'10	1♎ 9	21° 0	29°15	9°10	16°34	18°50	15°54	0°33	10° 9	29°18	0°38	26°41	n.a.	S 8
S 9	2 56 10	13°18'17	13° 2	22°33	0♑11	9°34	16°44	18°51	15°56	0°33	10°11	29° 9	0°35	26°48	n.a.	S 9
M10	3 0 7	14°19'25	24°53	24° 7	1° 7	9°57	16°54	18°52	15°59	0°33	10°13	29° 0	0°32	26°54	n.a.	M10
T 11	3 4 3	15°20'34	6♏44	25°41	2° 2	10°21	17° 3	18°54	16° 1	0°33	10°15	28°51	0°29	27° 1	n.a.	T 11
W12	3 8 0	16°21'44	18°38	27°14	2°56	10°44	17°13	18°56	16° 4	0°32	10°17	28°44	0°26	27° 8	n.a.	W12
T 13	3 11 56	17°22'55	0♐35	28°48	3°50	11° 7	17°22	18°58	16° 6	0°32	10°19	28°38	0°23	27°15	n.a.	T 13
F 14	3 15 53	18°24'07	12°38	0♐21	4°43	11°29	17°31	19° 0	16° 8	0°32	10°21	28°34	0°19	27°21	n.a.	F 14
S 15	3 19 49	19°25'19	24°48	1°55	5°36	11°51	17°40	19° 2	16°10	0°32	10°23	28°D33	0°16	27°28	n.a.	S 15
S 16	3 23 46	20°26'31	7♑ 8	3°28	6°27	12°13	17°49	19° 4	16°12	0°31	10°25	28°33	0°13	27°35	n.a.	S 16
M17	3 27 43	21°27'44	19°40	5° 1	7°18	12°34	17°58	19° 6	16°15	0°31	10°27	28°34	0°10	27°41	n.a.	M17
T 18	3 31 39	22°28'57	2♒28	6°33	8° 8	12°55	18° 7	19° 8	16°17	0°31	10°29	28°36	0° 7	27°48	n.a.	T 18
W19	3 35 36	23°30'10	15°34	8° 6	8°58	13°16	18°16	19°11	16°19	0°30	10°31	28°37	0° 3	27°55	n.a.	W19
T 20	3 39 32	24°31'24	29° 3	9°37	9°46	13°36	18°24	19°13	16°21	0°30	10°33	28°R38	0° 0	28° 1	n.a.	T 20
F 21	3 43 29	25°32'37	12♓57	11° 9	10°34	13°56	18°32	19°16	16°23	0°29	10°35	28°36	29♊57	28° 8	n.a.	F 21
S 22	3 47 25	26°33'51	27°14	12°39	11°20	14°16	18°41	19°19	16°24	0°29	10°37	28°34	29°54	28°15	n.a.	S 22
S 23	3 51 22	27°35'04	11♈53	14° 9	12° 6	14°35	18°49	19°22	16°26	0°28	10°39	28°30	29°51	28°22	n.a.	S 23
M24	3 55 18	28°36'18	26°50	15°37	12°51	14°54	18°57	19°25	16°28	0°28	10°41	28°25	29°48	28°28	n.a.	M24
T 25	3 59 15	29°37'31	11♉56	17° 5	13°34	15°12	19° 5	19°28	16°30	0°27	10°44	28°21	29°44	28°35	n.a.	T 25
W26	4 3 12	0♐38'45	27° 2	18°30	14°17	15°30	19°13	19°31	16°31	0°27	10°46	28°17	29°41	28°42	n.a.	W26
T 27	4 7 8	1°39'59	11♊59	19°54	14°58	15°48	19°20	19°34	16°33	0°26	10°48	28°15	29°38	28°48	n.a.	T 27
F 28	4 11 5	2°41'13	26°37	21°16	15°38	16° 5	19°28	19°37	16°35	0°25	10°50	28°D14	29°35	28°55	n.a.	F 28
S 29	4 15 1	3°42'28	10♋52	22°35	16°17	16°21	19°35	19°41	16°36	0°24	10°52	28°15	29°32	29° 2	n.a.	S 29
S 30	4 18 58	4♐43'43	24♋40	23♐51	16♑55	16♌38	19♍42	19♒44	16♍38	0♌24	10♐54	28♊16	29♊29	29♎ 9	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s24	23n59	0n18	16s 1	1s 4	26s51	3s21	20n48	1n56	6n59	1n16	17s20	2s 2	6n25	0n44	20n39	0n23	19s20	2n54	23n43	23n43	5s46		n.a.
S 2	13 44	24 10	1 30	16 36	1 10	26 54	3 21	20 43	1 57	6 55	1 16	17 19	2 2	6 24	0 44	20 39	0 23	19 20	2 54	23 43	23 43	5 49		n.a.
M 3	14 5	22 58	2 34	17 11	1 16	26 56	3 20	20 38	1 59	6 52	1 16	17 19	2 2	6 23	0 44	20 39	0 23	19 20	2 54	23 43	23 43	5 52		n.a.
T 4	14 25	20 36	3 29	17 44	1 21	26 57	3 19	20 33	2 0	6 48	1 16	17 18	2 2	6 22	0 44	20 39	0 23	19 21	2 54	23 43	23 43	5 55		n.a.
W 5	14 44	17 20	4 13	18 17	1 26	26 58	3 17	20 27	2 2	6 44	1 17	17 18	2 2	6 21	0 44	20 39	0 23	19 21	2 54	23 43	23 43	5 58		n.a.
T 6	15 4	13 22	4 44	18 49	1 31	26 58	3 16	20 22	2 3	6 40	1 17	17 17	2 1	6 20	0 44	20 39	0 23	19 22	2 54	23 43	23 43	6 0		n.a.
F 7	15 23	8 56	5 2	19 20	1 36	26 57	3 14	20 17	2 5	6 36	1 17	17 17	2 1	6 19	0 44	20 39	0 23	19 22	2 54	23 43	23 43	6 3		n.a.
S 8	15 42	4 13	5 7	19 50	1 41	26 56	3 13	20 12	2 6	6 33	1 17	17 16	2 1	6 18	0 44	20 39	0 23	19 23	2 53	23 43	23 43	6 6		n.a.
S 9	16 1	0s38	4 58	20 19	1 45	26 54	3 11	20 7	2 8	6 29	1 17	17 16	2 1	6 17	0 44	20 39	0 23	19 23	2 53	23 43	23 43	6 9		n.a.
M10	16 19	5 27	4 37	20 47	1 49	26 51	3 8	20 2	2 9	6 25	1 18	17 15	2 1	6 16	0 44	20 39	0 23	19 23	2 53	23 43	23 43	6 11		n.a.
T 11	16 38	10 6	4 3	21 14	1 53	26 48	3 6	19 57	2 11	6 22	1 18	17 14	2 1	6 16	0 44	20 39	0 23	19 24	2 53	23 43	23 43	6 14		n.a.
W12	16 56	14 23	3 19	21 40	1 57	26 45	3 3	19 52	2 12	6 18	1 18	17 14	2 0	6 15	0 45	20 39	0 23	19 24	2 53	23 43	23 43	6 17		n.a.
T 13	17 13	18 8	2 26	22 5	2 0	26 40	3 1	19 47	2 14	6 15	1 18	17 13	2 0	6 14	0 45	20 39	0 23	19 25	2 53	23 43	23 43	6 20		n.a.
F 14	17 30	21 10	1 25	22 28	2 3	26 35	2 57	19 43	2 16	6 11	1 18	17 12	2 0	6 13	0 45	20 39	0 23	19 25	2 53	23 43	23 43	6 23		n.a.
S 15	17 47	23 17	0 20	22 51	2 6	26 30	2 54	19 38	2 17	6 8	1 19	17 11	2 0	6 12	0 45	20 39	0 23	19 25	2 53	23 43	23 43	6 25		n.a.
S 16	18 4	24 18	0s47	23 12	2 8	26 24	2 51	19 33	2 19	6 5	1 19	17 11	2 0	6 11	0 45	20 39	0 23	19 26	2 52	23 43	23 43	6 28		n.a.
M17	18 20	24 7	1 53	23 31	2 10	26 18	2 47	19 29	2 21	6 1	1 19	17 10	2 0	6 10	0 45	20 39	0 23	19 26	2 52	23 43	23 43	6 31		n.a.
T 18	18 36	22 40	2 54	23 49	2 12	26 11	2 43	19 24	2 22	5 58	1 19	17 9	1 59	6 10	0 45	20 40	0 23	19 27	2 52	23 43	23 43	6 34		n.a.
W19	18 52	19 59	3 49	24 6	2 13	26 3	2 39	19 20	2 24	5 55	1 20	17 8	1 59	6 9	0 45	20 40	0 23	19 27	2 52	23 43	23 43	6 36		n.a.
T 20	19 7	16 10	4 32	24 21	2 14	25 55	2 34	19 16	2 26	5 52	1 20	17 7	1 59	6 8	0 45	20 40	0 23	19 27	2 52	23 43	23 43	6 39		n.a.
F 21	19 22	11 24	5 1	24 35	2 14	25 47	2 29	19 11	2 27	5 48	1 20	17 6	1 59	6 7	0 45	20 40	0 24	19 28	2 52	23 43	23 43	6 42		n.a.
S 22	19 37	5 53	5 12	24 47	2 13	25 38	2 24	19 7	2 29	5 45	1 20	17 5	1 59	6 7	0 45	20 40	0 24	19 28	2 52	23 43	23 43	6 45		n.a.
S 23	19 51	0n 6	5 4	24 57	2 12	25 28	2 19	19 3	2 31	5 42	1 20	17 4	1 59	6 6	0 45	20 40	0 24	19 29	2 52	23 43	23 43	6 48		n.a.
M24	20 5	6 11	4 35	25 6	2 11	25 18	2 13	18 59	2 33	5 39	1 21	17 3	1 59	6 5	0 45	20 40	0 24	19 29	2 51	23 43	23 43	6 50		n.a.
T 25	20 18	12 0	3 47	25 13	2 8	25 8	2 7	18 55	2 35	5 36	1 21	17 2	1 58	6 5	0 45	20 41	0 24	19 29	2 51	23 43	23 43	6 53		n.a.
W26	20 32	17 5	2 43	25 18	2 5	24 57	2 1	18 52	2 36	5 34	1 21	17 1	1 58	6 4	0 45	20 41	0 24	19 30	2 51	23 43	23 43	6 56		n.a.
T 27	20 44	21 2	1 28	25 21	2 2	24 46	1 55	18 48	2 38	5 31	1 21	16 59	1 58	6 4	0 45	20 41	0 24	19 30	2 51	23 43	23 43	6 59		n.a.
F 28	20 57	23 32	0 9	25 23	1 57	24 35	1 48	18 45	2 40	5 28	1 22	16 58	1 58	6 3	0 45	20 41	0 24	19 31	2 51	23 43	23 43	7 1		n.a.
S 29	21 8	24 25	1n 9	25 22	1 52	24 23	1 41	18 42	2 42	5 25	1 22	16 57	1 58	6 2	0 45	20 41	0 24	19 31	2 51	23 43	23 43	7 4		n.a.
S 30	21s20	23n45	2n20	25s20	1s45	24s11	1s34	18n38	2n44	5n23	1n22	16s56	1s58	6n 2	0n45	20n41	0n24	19s31	2n51	23n43	23n43	7s 7		n.a.

Julian Day Number = 1643198.5, Delta T = 03h35m13s
Ecliptic obliquity = 23°43'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'33, Lahiri = - 6°54'33 Julian Calendar 1 Nov. 215 BCE == Greg. Calendar 28 Oct. 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 215 BCE
geocentric

DECEMBER 215 BCE (-214) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 22 54	5♐44'58	8♌ 1	25♐ 3	17♑31	16♌53	19♍49	19♒48	16♍39	0°R23	10♐56	28♊18	29♊25	29♎15	n.a.	M 1
T 2	4 26 51	6°46'13	20°56	26°11	18° 6	17° 8	19°56	19°52	16°40	0♌22	10°58	28°19	29°22	29°22	n.a.	T 2
W 3	4 30 47	7°47'28	3♍30	27°14	18°40	17°23	20° 3	19°56	16°42	0°21	11° 0	28°R20	29°19	29°29	n.a.	W 3
T 4	4 34 44	8°48'44	15°46	28°11	19°11	17°37	20°10	19°59	16°43	0°20	11° 2	28°20	29°16	29°35	n.a.	T 4
F 5	4 38 41	9°49'59	27°50	29° 2	19°42	17°51	20°16	20° 3	16°44	0°19	11° 5	28°19	29°13	29°42	n.a.	F 5
S 6	4 42 37	10°51'15	9♎45	29°45	20°11	18° 4	20°23	20° 8	16°45	0°18	11° 7	28°17	29° 9	29°49	n.a.	S 6
S 7	4 46 34	11°52'30	21°35	0♑20	20°38	18°17	20°29	20°12	16°46	0°18	11° 9	28°14	29° 6	29°55	n.a.	S 7
M 8	4 50 30	12°53'46	3♏26	0°46	21° 3	18°29	20°35	20°16	16°47	0°17	11°11	28°12	29° 3	0♏ 2	n.a.	M 8
T 9	4 54 27	13°55'01	15°19	1° 2	21°27	18°41	20°41	20°20	16°48	0°15	11°13	28° 9	29° 0	0° 9	n.a.	T 9
W10	4 58 23	14°56'17	27°17	1°R 7	21°48	18°52	20°46	20°25	16°49	0°14	11°15	28° 7	28°57	0°16	n.a.	W10
T 11	5 2 20	15°57'31	9♐23	1° 0	22° 8	19° 2	20°52	20°29	16°50	0°13	11°17	28° 6	28°54	0°22	n.a.	T 11
F 12	5 6 17	16°58'46	21°39	0°42	22°26	19°12	20°57	20°34	16°51	0°12	11°19	28° 5	28°50	0°29	n.a.	F 12
S 13	5 10 13	18° 0'00	4♑ 4	0°12	22°42	19°21	21° 3	20°39	16°52	0°11	11°21	28°D 5	28°47	0°36	n.a.	S 13
S 14	5 14 10	19° 1'14	16°41	29♐31	22°55	19°30	21° 8	20°43	16°52	0°10	11°24	28° 6	28°44	0°42	n.a.	S 14
M15	5 18 6	20° 2'27	29°31	28°39	23° 6	19°38	21°13	20°48	16°53	0° 9	11°26	28° 6	28°41	0°49	n.a.	M15
T 16	5 22 3	21° 3'39	12♒34	27°37	23°15	19°45	21°17	20°53	16°54	0° 8	11°28	28° 7	28°38	0°56	n.a.	T 16
W17	5 25 59	22° 4'50	25°51	26°29	23°22	19°52	21°22	20°58	16°54	0° 6	11°30	28° 8	28°35	1° 3	n.a.	W17
T 18	5 29 56	23° 6'00	9♓24	25°14	23°26	19°58	21°26	21° 3	16°55	0° 5	11°32	28° 8	28°31	1° 9	n.a.	T 18
F 19	5 33 52	24° 7'09	23°13	23°57	23°R28	20° 3	21°31	21° 8	16°55	0° 4	11°34	28°R 8	28°28	1°16	n.a.	F 19
S 20	5 37 49	25° 8'17	7♈18	22°39	23°28	20° 8	21°35	21°13	16°55	0° 3	11°36	28° 8	28°25	1°23	n.a.	S 20
S 21	5 41 46	26° 9'24	21°37	21°23	23°25	20°12	21°39	21°19	16°56	0° 1	11°38	28° 8	28°22	1°29	n.a.	S 21
M22	5 45 42	27°10'30	6♉ 8	20°10	23°19	20°15	21°42	21°24	16°56	29♋59	11°40	28° 8	28°19	1°36	n.a.	M22
T 23	5 49 39	28°11'35	20°47	19° 3	23°11	20°18	21°46	21°30	16°56	29°59	11°42	28°D 8	28°15	1°43	n.a.	T 23
W24	5 53 35	29°12'39	5♊27	18° 4	23° 0	20°20	21°49	21°35	16°56	29°57	11°44	28° 8	28°12	1°49	n.a.	W24
T 25	5 57 32	0♑13'42	20° 2	17°12	22°47	20°21	21°52	21°41	16°56	29°56	11°46	28° 8	28° 9	1°56	n.a.	T 25
F 26	6 1 28	1°14'44	4♋27	16°29	22°31	20°R22	21°56	21°46	16°R56	29°54	11°48	28°R 8	28° 6	2° 3	n.a.	F 26
S 27	6 5 25	2°15'45	18°35	15°55	22°13	20°21	21°58	21°52	16°56	29°53	11°50	28° 8	28° 3	2°10	n.a.	S 27
S 28	6 9 21	3°16'45	2♌22	15°30	21°52	20°20	22° 1	21°58	16°56	29°52	11°52	28° 7	28° 0	2°16	n.a.	S 28
M29	6 13 18	4°17'44	15°46	15°14	21°29	20°18	22° 3	22° 4	16°56	29°50	11°54	28° 7	27°56	2°23	n.a.	M29
T 30	6 17 15	5°18'42	28°47	15°D 7	21° 4	20°16	22° 6	22°10	16°56	29°49	11°56	28° 6	27°53	2°30	n.a.	T 30
W31	6 21 11	6♑19'39	11♍27	15♐ 7	20♑37	20♌13	22♍ 8	22♒16	16♍56	29♋47	11♐58	28♊ 5	27♊50	2♏36	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	21s31	21n43	3n22	25s16	1s38	23s59	1s26	18n35	2n46	5n20	1n22	16s54	1s58	6n 1	0n45	20n42	0n24	19s32	2n51	23n43	23n43	7s10			n.a.
T 2	21 42	18 38	4 11	25 9	1 30	23 46	1 18	18 32	2 48	5 18	1 23	16 53	1 57	6 1	0 45	20 42	0 24	19 32	2 51	23 43	23 43	7 13			n.a.
W 3	21 52	14 47	4 46	25 2	1 20	23 33	1 9	18 30	2 50	5 15	1 23	16 52	1 57	6 0	0 45	20 42	0 24	19 33	2 50	23 43	23 43	7 15			n.a.
T 4	22 2	10 23	5 8	24 52	1 10	23 20	1 1	18 27	2 52	5 13	1 23	16 50	1 57	6 0	0 45	20 42	0 24	19 33	2 50	23 43	23 43	7 18			n.a.
F 5	22 11	5 41	5 15	24 41	0 58	23 6	0 52	18 25	2 54	5 10	1 23	16 49	1 57	5 59	0 45	20 42	0 24	19 33	2 50	23 43	23 43	7 21			n.a.
S 6	22 20	0 50	5 9	24 28	0 45	22 53	0 42	18 22	2 56	5 8	1 24	16 47	1 57	5 59	0 45	20 43	0 24	19 34	2 50	23 43	23 43	7 24			n.a.
S 7	22 29	4s 2	4 50	24 14	0 31	22 39	0 33	18 20	2 58	5 6	1 24	16 46	1 57	5 59	0 45	20 43	0 24	19 34	2 50	23 43	23 43	7 26			n.a.
M 8	22 37	8 46	4 18	23 58	0 15	22 25	0 23	18 18	3 0	5 4	1 24	16 44	1 57	5 58	0 45	20 43	0 24	19 35	2 50	23 43	23 43	7 29			n.a.
T 9	22 44	13 12	3 35	23 42	0n 1	22 11	0 12	18 17	3 2	5 2	1 24	16 43	1 56	5 58	0 46	20 43	0 24	19 35	2 50	23 42	23 43	7 32			n.a.
W10	22 52	17 9	2 42	23 24	0 19	21 57	0 1	18 15	3 4	5 0	1 25	16 41	1 56	5 58	0 46	20 44	0 24	19 35	2 50	23 42	23 43	7 35			n.a.
T 11	22 58	20 27	1 42	23 6	0 37	21 43	0n10	18 14	3 6	4 58	1 25	16 40	1 56	5 57	0 46	20 44	0 24	19 36	2 50	23 42	23 43	7 38			n.a.
F 12	23 5	22 52	0 36	22 47	0 56	21 29	0 21	18 13	3 8	4 56	1 25	16 38	1 56	5 57	0 46	20 44	0 24	19 36	2 50	23 42	23 43	7 40			n.a.
S 13	23 10	24 13	0s33	22 28	1 16	21 14	0 33	18 12	3 10	4 54	1 25	16 37	1 56	5 57	0 46	20 44	0 24	19 37	2 49	23 42	23 43	7 43			n.a.
S 14	23 16	24 20	1 41	22 8	1 35	21 0	0 45	18 11	3 12	4 52	1 26	16 35	1 56	5 57	0 46	20 45	0 24	19 37	2 49	23 42	23 43	7 46			n.a.
M15	23 21	23 11	2 46	21 49	1 54	20 46	0 58	18 10	3 14	4 50	1 26	16 33	1 56	5 56	0 46	20 45	0 24	19 37	2 49	23 42	23 43	7 49			n.a.
T 16	23 25	20 47	3 43	21 29	2 13	20 32	1 11	18 10	3 17	4 49	1 26	16 31	1 56	5 56	0 46	20 45	0 24	19 38	2 49	23 42	23 43	7 51			n.a.
W17	23 29	17 15	4 29	21 11	2 30	20 18	1 24	18 10	3 19	4 47	1 27	16 30	1 55	5 56	0 46	20 46	0 24	19 38	2 49	23 42	23 43	7 54			n.a.
T 18	23 32	12 46	5 1	20 53	2 45	20 4	1 37	18 10	3 21	4 46	1 27	16 28	1 55	5 56	0 46	20 46	0 24	19 38	2 49	23 42	23 43	7 57			n.a.
F 19	23 35	7 33	5 16	20 36	2 59	19 50	1 51	18 10	3 23	4 44	1 27	16 26	1 55	5 56	0 46	20 46	0 24	19 39	2 49	23 42	23 43	8 0			n.a.
S 20	23 38	1 52	5 13	20 21	3 10	19 36	2 5	18 11	3 25	4 43	1 27	16 24	1 55	5 56	0 46	20 46	0 24	19 39	2 49	23 42	23 43	8 2			n.a.
S 21	23 40	4n 2	4 51	20 8	3 19	19 22	2 20	18 12	3 28	4 41	1 28	16 23	1 55	5 56	0 46	20 47	0 24	19 39	2 49	23 42	23 43	8 5			n.a.
M22	23 41	9 47	4 10	19 57	3 25	19 9	2 34	18 13	3 30	4 40	1 28	16 21	1 55	5 55	0 46	20 47	0 24	19 40	2 49	23 42	23 43	8 8			n.a.
T 23	23 43	15 3	3 13	19 47	3 29	18 56	2 49	18 14	3 32	4 39	1 28	16 19	1 55	5 55	0 46	20 47	0 24	19 40	2 49	23 42	23 43	8 11			n.a.
W24	23 43	19 27	2 3	19 41	3 31	18 43	3 4	18 16	3 34	4 38	1 28	16 17	1 55	5 55	0 46	20 48	0 24	19 40	2 49	23 42	23 43	8 14			n.a.
T 25	23 43	22 36	0 45	19 36	3 30	18 30	3 19	18 17	3 36	4 37	1 29	16 15	1 55	5 55	0 46	20 48	0 24	19 41	2 49	23 42	23 42	8 16			n.a.
F 26	23 43	24 14	0n35	19 35	3 28	18 18	3 34	18 19	3 39	4 36	1 29	16 13	1 55	5 55	0 46	20 48	0 24	19 41	2 48	23 42	23 42	8 19			n.a.
S 27	23 42	24 15	1 51	19 35	3 24	18 6	3 49	18 21	3 41	4 35	1 29	16 11	1 54	5 56	0 46	20 49	0 24	19 41	2 48	23 42	23 42	8 22			n.a.
S 28	23 41	22 46	2 59	19 38	3 19	17 54	4 4	18 24	3 43	4 34	1 30	16 9	1 54	5 56	0 46	20 49	0 24	19 42	2 48	23 42	23 42	8 25			n.a.
M29	23 39	20 1	3 55	19 43	3 12	17 43	4 19	18 26	3 45	4 34	1 30	16 7	1 54	5 56	0 46	20 49	0 24	19 42	2 48	23 42	23 42	8 27			n.a.
T 30	23 37	16 21	4 37	19 50	3 4	17 32	4 34	18 29	3 47	4 33	1 30	16 5	1 54	5 56	0 46	20 50	0 24	19 42	2 48	23 42	23 42	8 30			n.a.
W31	23s34	12n 1	5n 4	19s58	2n56	17s21	4n49	18n33	3n50	4n32	1n31	16s 3	1s54	5n56	0n46	20n50	0n24	19s43	2n48	23n42	23n42	8s33			n.a.

Julian Day Number = 1643228.5, Delta T = 03h35m12s
Ecliptic obliquity = 23°43'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'29, Lahiri = - 6°54'29 Julian Calendar 1 Dec. 215 BCE == Greg. Calendar 27 Nov. 215 BCE

The year -214 astronomical counting style corresponds to year 215 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

JANUARY 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 25 8	7♉20'35	23♍48	15♐15	20°R 7	20°R 8	22♍10	22♒22	16°R55	29°R46	12♐ 0	28°R 4	27♊47	2♏43	n.a.	T 1
F 2	6 29 4	8°21'30	5♎54	15°30	19♉36	20♌ 4	22°12	22°28	16♍55	29♋44	12° 2	28°D 4	27°44	2°50	n.a.	F 2
S 3	6 33 1	9°22'24	17°51	15°51	19° 4	19°58	22°13	22°34	16°54	29°43	12° 4	28♊ 4	27°41	2°56	n.a.	S 3
S 4	6 36 57	10°23'17	29°42	16°18	18°30	19°51	22°14	22°40	16°54	29°41	12° 6	28° 5	27°37	3° 3	n.a.	S 4
M 5	6 40 54	11°24'10	11♏33	16°51	17°55	19°44	22°16	22°46	16°53	29°39	12° 8	28° 6	27°34	3°10	n.a.	M 5
T 6	6 44 50	12°25'01	23°27	17°28	17°19	19°36	22°17	22°53	16°53	29°38	12°10	28° 7	27°31	3°17	n.a.	T 6
W 7	6 48 47	13°25'51	5♐30	18°10	16°42	19°27	22°17	22°59	16°52	29°36	12°12	28° 9	27°28	3°23	n.a.	W 7
T 8	6 52 44	14°26'40	17°44	18°57	16° 5	19°17	22°18	23° 5	16°52	29°35	12°13	28°10	27°25	3°30	n.a.	T 8
F 9	6 56 40	15°27'27	0♑12	19°46	15°28	19° 7	22°18	23°12	16°51	29°33	12°15	28°R10	27°21	3°37	n.a.	F 9
S 10	7 0 37	16°28'13	12°54	20°40	14°50	18°56	22°19	23°18	16°50	29°31	12°17	28° 9	27°18	3°43	n.a.	S 10
S 11	7 4 33	17°28'58	25°53	21°36	14°14	18°44	22°R19	23°25	16°49	29°30	12°19	28° 8	27°15	3°50	n.a.	S 11
M12	7 8 30	18°29'41	9♒ 7	22°36	13°37	18°31	22°19	23°31	16°48	29°28	12°21	28° 5	27°12	3°57	n.a.	M12
T 13	7 12 26	19°30'23	22°35	23°38	13° 2	18°17	22°18	23°38	16°47	29°27	12°23	28° 2	27° 9	4° 3	n.a.	T 13
W14	7 16 23	20°31'03	6♓16	24°42	12°27	18° 3	22°18	23°45	16°46	29°25	12°24	27°58	27° 6	4°10	n.a.	W14
T 15	7 20 20	21°31'41	20° 6	25°49	11°54	17°48	22°17	23°52	16°45	29°23	12°26	27°55	27° 2	4°17	n.a.	T 15
F 16	7 24 16	22°32'17	4♈ 5	26°58	11°22	17°32	22°16	23°58	16°44	29°22	12°28	27°53	26°59	4°23	n.a.	F 16
S 17	7 28 13	23°32'51	18°11	28° 9	10°52	17°16	22°15	24° 5	16°43	29°20	12°29	27°D52	26°56	4°30	n.a.	S 17
S 18	7 32 9	24°33'23	2♉20	29°21	10°23	16°59	22°14	24°12	16°42	29°18	12°31	27°52	26°53	4°37	n.a.	S 18
M19	7 36 6	25°33'53	16°32	0♑36	9°57	16°41	22°12	24°19	16°40	29°17	12°33	27°53	26°50	4°44	n.a.	M19
T 20	7 40 2	26°34'21	0♊45	1°52	9°33	16°23	22°10	24°26	16°39	29°15	12°34	27°55	26°47	4°50	n.a.	T 20
W21	7 43 59	27°34'47	14°56	3°10	9°11	16° 4	22° 8	24°33	16°38	29°13	12°36	27°56	26°43	4°57	n.a.	W21
T 22	7 47 55	28°35'12	29° 2	4°29	8°51	15°44	22° 6	24°40	16°36	29°11	12°38	27°R57	26°40	5° 4	n.a.	T 22
F 23	7 51 52	29°35'34	13♋ 0	5°49	8°34	15°24	22° 4	24°47	16°35	29°10	12°39	27°56	26°37	5°10	n.a.	F 23
S 24	7 55 49	0♒35'54	26°47	7°11	8°19	15° 4	22° 2	24°54	16°33	29° 8	12°41	27°53	26°34	5°17	n.a.	S 24
S 25	7 59 45	1°36'13	10♌20	8°34	8° 6	14°43	21°59	25° 1	16°32	29° 6	12°42	27°49	26°31	5°24	n.a.	S 25
M26	8 3 42	2°36'30	23°35	9°58	7°56	14°21	21°56	25° 8	16°30	29° 5	12°44	27°43	26°27	5°30	n.a.	M26
T 27	8 7 38	3°36'45	6♍33	11°24	7°49	13°59	21°53	25°16	16°29	29° 3	12°45	27°37	26°24	5°37	n.a.	T 27
W28	8 11 35	4°36'58	19°12	12°51	7°44	13°37	21°50	25°23	16°27	29° 1	12°47	27°31	26°21	5°44	n.a.	W28
T 29	8 15 31	5°37'09	1♎34	14°19	7°41	13°15	21°47	25°30	16°25	29° 0	12°48	27°25	26°18	5°51	n.a.	T 29
F 30	8 19 28	6°37'19	13°42	15°48	7°D41	12°52	21°43	25°37	16°24	28°58	12°50	27°21	26°15	5°57	n.a.	F 30
S 31	8 23 24	7♒37'27	25♎40	17♉18	7♉44	12♌29	21♍40	25♒45	16♍22	28♋56	12♐51	27♊18	26♊12	6♏ 4	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s31	7n19	5n16	20s 8	2n47	17s11	5n 4	18n36	3n52	4n32	1n31	16s 1	1s54	5n56	0n46	20n50	0n24	19s43	2n48	23n42	23n42	8s36		n.a.
F 2	23 27	2 25	5 14	20 19	2 37	17 2	5 18	18 40	3 54	4 31	1 31	15 59	1 54	5 56	0 47	20 51	0 24	19 43	2 48	23 42	23 42	8 38		n.a.
S 3	23 23	2s30	4 58	20 31	2 27	16 53	5 31	18 43	3 56	4 31	1 31	15 57	1 54	5 56	0 47	20 51	0 24	19 44	2 48	23 42	23 42	8 41		n.a.
S 4	23 19	7 17	4 30	20 44	2 17	16 44	5 45	18 48	3 58	4 31	1 32	15 55	1 54	5 57	0 47	20 51	0 24	19 44	2 48	23 42	23 42	8 44		n.a.
M 5	23 14	11 49	3 50	20 58	2 7	16 36	5 57	18 52	4 0	4 31	1 32	15 52	1 54	5 57	0 47	20 52	0 24	19 44	2 48	23 42	23 42	8 47		n.a.
T 6	23 8	15 57	3 0	21 12	1 56	16 29	6 9	18 57	4 3	4 31	1 32	15 50	1 54	5 57	0 47	20 52	0 25	19 45	2 48	23 42	23 42	8 49		n.a.
W 7	23 2	19 28	2 2	21 26	1 46	16 22	6 21	19 1	4 5	4 30	1 33	15 48	1 53	5 58	0 47	20 52	0 25	19 45	2 48	23 42	23 42	8 52		n.a.
T 8	22 56	22 12	0 57	21 40	1 35	16 15	6 32	19 6	4 7	4 30	1 33	15 46	1 53	5 58	0 47	20 53	0 25	19 45	2 48	23 42	23 42	8 55		n.a.
F 9	22 49	23 54	0s11	21 55	1 25	16 10	6 42	19 12	4 9	4 31	1 33	15 44	1 53	5 58	0 47	20 53	0 25	19 46	2 48	23 42	23 42	8 58		n.a.
S 10	22 42	24 25	1 21	22 9	1 14	16 4	6 51	19 17	4 11	4 31	1 33	15 41	1 53	5 58	0 47	20 53	0 25	19 46	2 48	23 42	23 42	9 1		n.a.
S 11	22 34	23 38	2 27	22 23	1 4	16 0	7 0	19 23	4 12	4 31	1 34	15 39	1 53	5 59	0 47	20 54	0 25	19 46	2 48	23 42	23 42	9 3		n.a.
M12	22 26	21 30	3 27	22 37	0 54	15 56	7 7	19 29	4 14	4 31	1 34	15 37	1 53	5 59	0 47	20 54	0 25	19 46	2 48	23 42	23 41	9 6		n.a.
T 13	22 17	18 11	4 16	22 50	0 44	15 53	7 14	19 35	4 16	4 32	1 34	15 35	1 53	6 0	0 47	20 55	0 25	19 47	2 47	23 42	23 41	9 9		n.a.
W14	22 8	13 50	4 52	23 2	0 34	15 50	7 20	19 41	4 18	4 32	1 35	15 32	1 53	6 0	0 47	20 55	0 25	19 47	2 47	23 42	23 41	9 12		n.a.
T 15	21 59	8 43	5 11	23 14	0 25	15 48	7 25	19 47	4 20	4 33	1 35	15 30	1 53	6 1	0 47	20 55	0 25	19 47	2 47	23 42	23 41	9 14		n.a.
F 16	21 49	3 7	5 12	23 26	0 16	15 46	7 29	19 54	4 21	4 33	1 35	15 28	1 53	6 1	0 47	20 56	0 25	19 47	2 47	23 42	23 41	9 17		n.a.
S 17	21 38	2n40	4 55	23 36	0 6	15 46	7 32	20 0	4 23	4 34	1 35	15 25	1 53	6 2	0 47	20 56	0 25	19 48	2 47	23 42	23 41	9 20		n.a.
S 18	21 28	8 22	4 19	23 46	0s 2	15 45	7 35	20 7	4 24	4 35	1 36	15 23	1 53	6 2	0 47	20 56	0 25	19 48	2 47	23 42	23 41	9 23		n.a.
M19	21 17	13 40	3 28	23 54	0 11	15 46	7 36	20 14	4 26	4 36	1 36	15 20	1 53	6 3	0 47	20 57	0 25	19 48	2 47	23 42	23 41	9 25		n.a.
T 20	21 5	18 12	2 24	24 2	0 20	15 46	7 37	20 21	4 27	4 37	1 36	15 18	1 53	6 3	0 47	20 57	0 25	19 48	2 47	23 42	23 41	9 28		n.a.
W21	20 53	21 41	1 11	24 9	0 28	15 48	7 37	20 28	4 28	4 38	1 37	15 16	1 53	6 4	0 47	20 57	0 25	19 49	2 47	23 42	23 41	9 31		n.a.
T 22	20 41	23 49	0n 6	24 14	0 36	15 50	7 36	20 35	4 30	4 39	1 37	15 13	1 53	6 4	0 47	20 58	0 25	19 49	2 47	23 42	23 41	9 34		n.a.
F 23	20 29	24 26	1 21	24 19	0 43	15 52	7 35	20 42	4 31	4 40	1 37	15 11	1 53	6 5	0 47	20 58	0 25	19 49	2 47	23 42	23 41	9 36		n.a.
S 24	20 16	23 31	2 31	24 22	0 51	15 55	7 33	20 50	4 32	4 41	1 37	15 8	1 53	6 5	0 47	20 59	0 25	19 49	2 47	23 42	23 41	9 39		n.a.
S 25	20 2	21 14	3 31	24 24	0 58	15 58	7 31	20 57	4 33	4 42	1 38	15 6	1 53	6 6	0 47	20 59	0 25	19 50	2 47	23 42	23 40	9 42		n.a.
M26	19 49	17 52	4 18	24 25	1 4	16 2	7 27	21 4	4 33	4 44	1 38	15 3	1 53	6 7	0 47	20 59	0 25	19 50	2 47	23 42	23 40	9 45		n.a.
T 27	19 34	13 42	4 50	24 24	1 11	16 6	7 24	21 11	4 34	4 45	1 38	15 1	1 53	6 7	0 47	21 0	0 25	19 50	2 47	23 42	23 40	9 47		n.a.
W28	19 20	9 1	5 7	24 22	1 17	16 11	7 20	21 19	4 35	4 47	1 38	14 59	1 53	6 8	0 47	21 0	0 25	19 50	2 47	23 42	23 40	9 50		n.a.
T 29	19 5	4 6	5 10	24 19	1 23	16 16	7 15	21 26	4 35	4 48	1 39	14 56	1 53	6 9	0 47	21 0	0 25	19 51	2 47	23 42	23 40	9 53		n.a.
F 30	18 50	0s54	4 58	24 14	1 28	16 21	7 10	21 33	4 36	4 50	1 39	14 54	1 53	6 9	0 47	21 1	0 25	19 51	2 47	23 42	23 40	9 56		n.a.
S 31	18s35	5s48	4n34	24s 8	1s34	16s26	7n 4	21n40	4n36	4n52	1n39	14s51	1s53	6n10	0n48	21n 1	0n25	19s51	2n47	23n42	23n40	9s58		n.a.

Julian Day Number = 1643259.5, Delta T = 03h35m11s
Ecliptic obliquity = 23°43'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'25, Lahiri = - 6°54'24 Julian Calendar 1 Jan. 214 BCE == Greg. Calendar 28 Dec. 215 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

FEBRUARY 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 27 21	8♒37'34	7♏32	18♉50	7♉48	12°R 5	21°R36	25♒52	16°R20	28°R55	12♐52	27°D17	26♊ 8	6♏11	n.a.	S 1
M 2	8 31 18	9°37'38	19°22	20°22	7°55	11♌42	21♍32	25°59	16♍18	28♋53	12°54	27♊18	26° 5	6°17	n.a.	M 2
T 3	8 35 14	10°37'42	1♐17	21°56	8° 5	11°18	21°28	26° 7	16°16	28°52	12°55	27°19	26° 2	6°24	n.a.	T 3
W 4	8 39 11	11°37'43	13°21	23°30	8°16	10°55	21°23	26°14	16°14	28°50	12°56	27°21	25°59	6°31	n.a.	W 4
T 5	8 43 7	12°37'43	25°39	25° 6	8°30	10°31	21°19	26°21	16°12	28°48	12°58	27°R21	25°56	6°37	n.a.	T 5
F 6	8 47 4	13°37'40	8♉14	26°43	8°46	10° 7	21°14	26°29	16°10	28°47	12°59	27°21	25°53	6°44	n.a.	F 6
S 7	8 51 0	14°37'36	21°10	28°21	9° 3	9°44	21° 9	26°36	16° 8	28°45	13° 0	27°18	25°49	6°51	n.a.	S 7
S 8	8 54 57	15°37'30	4♒27	0♒ 1	9°23	9°20	21° 4	26°44	16° 6	28°43	13° 1	27°13	25°46	6°57	n.a.	S 8
M 9	8 58 53	16°37'22	18° 5	1°41	9°44	8°57	20°59	26°51	16° 4	28°42	13° 3	27° 7	25°43	7° 4	n.a.	M 9
T 10	9 2 50	17°37'12	2♓ 1	3°23	10° 8	8°34	20°54	26°59	16° 2	28°40	13° 4	26°58	25°40	7°11	n.a.	T 10
W11	9 6 47	18°37'00	16°10	5° 5	10°33	8°11	20°49	27° 6	16° 0	28°39	13° 5	26°50	25°37	7°18	n.a.	W11
T 12	9 10 43	19°36'45	0♈28	6°49	10°59	7°48	20°43	27°14	15°58	28°37	13° 6	26°42	25°33	7°24	n.a.	T 12
F 13	9 14 40	20°36'29	14°49	8°34	11°28	7°26	20°37	27°21	15°55	28°36	13° 7	26°35	25°30	7°31	n.a.	F 13
S 14	9 18 36	21°36'09	29° 8	10°21	11°57	7° 4	20°32	27°29	15°53	28°34	13° 8	26°31	25°27	7°38	n.a.	S 14
S 15	9 22 33	22°35'48	13♉22	12° 8	12°29	6°43	20°26	27°36	15°51	28°33	13° 9	26°28	25°24	7°44	n.a.	S 15
M16	9 26 29	23°35'24	27°29	13°57	13° 1	6°22	20°20	27°44	15°49	28°31	13°10	26°D28	25°21	7°51	n.a.	M16
T 17	9 30 26	24°34'57	11♊28	15°47	13°35	6° 1	20°13	27°51	15°46	28°30	13°11	26°29	25°18	7°58	n.a.	T 17
W18	9 34 22	25°34'29	25°18	17°38	14°11	5°41	20° 7	27°59	15°44	28°28	13°12	26°R29	25°14	8° 4	n.a.	W18
T 19	9 38 19	26°33'57	8♋59	19°30	14°48	5°22	20° 1	28° 6	15°42	28°27	13°13	26°29	25°11	8°11	n.a.	T 19
F 20	9 42 15	27°33'24	22°30	21°24	15°25	5° 3	19°54	28°14	15°39	28°25	13°13	26°26	25° 8	8°18	n.a.	F 20
S 21	9 46 12	28°32'48	5♌52	23°19	16° 5	4°45	19°47	28°21	15°37	28°24	13°14	26°20	25° 5	8°24	n.a.	S 21
S 22	9 50 9	29°32'10	19° 2	25°15	16°45	4°27	19°41	28°29	15°34	28°22	13°15	26°12	25° 2	8°31	n.a.	S 22
M23	9 54 5	0♓31'29	2♍ 0	27°12	17°26	4°10	19°34	28°36	15°32	28°21	13°16	26° 2	24°59	8°38	n.a.	M23
T 24	9 58 2	1°30'47	14°44	29°10	18° 8	3°54	19°27	28°44	15°29	28°20	13°17	25°50	24°55	8°44	n.a.	T 24
W25	10 1 58	2°30'02	27°15	1♓10	18°52	3°38	19°20	28°52	15°27	28°18	13°17	25°38	24°52	8°51	n.a.	W25
T 26	10 5 55	3°29'15	9♎32	3°10	19°36	3°23	19°13	28°59	15°24	28°17	13°18	25°27	24°49	8°58	n.a.	T 26
F 27	10 9 51	4°28'27	21°38	5°12	20°21	3° 9	19° 6	29° 7	15°22	28°16	13°19	25°17	24°46	9° 5	n.a.	F 27
S 28	10 13 48	5♓27'36	3♏34	7♓14	21♉ 8	2♌56	18♍58	29♒14	15♍19	28♋15	13♐19	25♊10	24♊43	9♏11	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s19	10s27	3n58	24s 0	1s38	16s31	6n59	21n47	4n36	4n53	1n39	14s48	1s53	6n11	0n48	21n 1	0n25	19s51	2n47	23n42	23n40	10s 1			n.a.
M 2	18 3	14 43	3 11	23 51	1 43	16 37	6 52	21 54	4 36	4 55	1 40	14 46	1 53	6 12	0 48	21 2	0 25	19 51	2 47	23 42	23 40	10 4			n.a.
T 3	17 47	18 26	2 17	23 40	1 47	16 43	6 46	22 1	4 36	4 57	1 40	14 43	1 53	6 12	0 48	21 2	0 25	19 52	2 47	23 42	23 40	10 6			n.a.
W 4	17 30	21 26	1 15	23 28	1 51	16 49	6 39	22 7	4 36	4 59	1 40	14 41	1 53	6 13	0 48	21 2	0 25	19 52	2 47	23 42	23 40	10 9			n.a.
T 5	17 13	23 30	0 9	23 14	1 54	16 55	6 33	22 14	4 36	5 1	1 40	14 38	1 53	6 14	0 48	21 3	0 25	19 52	2 47	23 42	23 39	10 12			n.a.
F 6	16 56	24 26	0s59	22 59	1 57	17 1	6 26	22 20	4 36	5 3	1 41	14 36	1 53	6 15	0 48	21 3	0 25	19 52	2 47	23 42	23 39	10 15			n.a.
S 7	16 38	24 5	2 5	22 41	2 0	17 7	6 18	22 26	4 35	5 5	1 41	14 33	1 53	6 16	0 48	21 4	0 25	19 52	2 47	23 42	23 39	10 17			n.a.
S 8	16 20	22 23	3 6	22 23	2 2	17 13	6 11	22 32	4 35	5 7	1 41	14 31	1 53	6 17	0 48	21 4	0 25	19 52	2 47	23 42	23 39	10 20			n.a.
M 9	16 2	19 22	3 59	22 2	2 4	17 19	6 3	22 38	4 34	5 10	1 41	14 28	1 53	6 17	0 48	21 4	0 25	19 53	2 47	23 41	23 39	10 23			n.a.
T 10	15 44	15 12	4 38	21 40	2 6	17 25	5 56	22 43	4 33	5 12	1 41	14 25	1 53	6 18	0 48	21 5	0 25	19 53	2 47	23 41	23 39	10 26			n.a.
W11	15 25	10 8	5 1	21 16	2 7	17 31	5 48	22 49	4 32	5 14	1 42	14 23	1 53	6 19	0 48	21 5	0 25	19 53	2 47	23 41	23 39	10 28			n.a.
T 12	15 7	4 28	5 5	20 50	2 7	17 37	5 40	22 54	4 31	5 17	1 42	14 20	1 53	6 20	0 48	21 5	0 25	19 53	2 47	23 41	23 39	10 31			n.a.
F 13	14 48	1n26	4 51	20 23	2 7	17 42	5 32	22 59	4 30	5 19	1 42	14 18	1 53	6 21	0 48	21 6	0 25	19 53	2 47	23 41	23 39	10 34			n.a.
S 14	14 28	7 16	4 18	19 53	2 7	17 48	5 24	23 3	4 29	5 22	1 42	14 15	1 53	6 22	0 48	21 6	0 25	19 53	2 47	23 40	23 39	10 37			n.a.
S 15	14 9	12 42	3 30	19 22	2 6	17 53	5 16	23 8	4 28	5 24	1 42	14 12	1 53	6 23	0 48	21 6	0 25	19 53	2 47	23 40	23 38	10 39			n.a.
M16	13 49	17 25	2 29	18 49	2 5	17 58	5 8	23 12	4 26	5 27	1 43	14 10	1 53	6 24	0 48	21 6	0 25	19 54	2 46	23 40	23 38	10 42			n.a.
T 17	13 29	21 6	1 20	18 15	2 3	18 2	5 0	23 16	4 25	5 29	1 43	14 7	1 53	6 25	0 48	21 7	0 25	19 54	2 46	23 40	23 38	10 45			n.a.
W18	13 9	23 32	0 6	17 38	2 1	18 7	4 52	23 19	4 23	5 32	1 43	14 5	1 53	6 25	0 48	21 7	0 25	19 54	2 46	23 40	23 38	10 47			n.a.
T 19	12 48	24 31	1n 6	17 0	1 58	18 11	4 44	23 23	4 22	5 35	1 43	14 2	1 53	6 26	0 48	21 7	0 25	19 54	2 46	23 40	23 38	10 50			n.a.
F 20	12 28	24 1	2 14	16 20	1 54	18 15	4 36	23 26	4 20	5 38	1 43	13 59	1 53	6 27	0 48	21 8	0 25	19 54	2 46	23 40	23 38	10 53			n.a.
S 21	12 7	22 9	3 14	15 39	1 50	18 19	4 28	23 28	4 18	5 40	1 43	13 57	1 53	6 28	0 48	21 8	0 25	19 54	2 46	23 40	23 38	10 56			n.a.
S 22	11 46	19 7	4 2	14 55	1 46	18 22	4 20	23 31	4 16	5 43	1 44	13 54	1 53	6 29	0 48	21 8	0 25	19 54	2 46	23 40	23 38	10 58			n.a.
M23	11 25	15 11	4 37	14 10	1 41	18 25	4 12	23 33	4 14	5 46	1 44	13 51	1 53	6 30	0 48	21 9	0 25	19 54	2 46	23 40	23 37	11 1			n.a.
T 24	11 4	10 38	4 57	13 23	1 35	18 27	4 3	23 35	4 12	5 49	1 44	13 49	1 53	6 31	0 48	21 9	0 25	19 55	2 46	23 39	23 37	11 4			n.a.
W25	10 42	5 43	5 2	12 35	1 29	18 29	3 55	23 37	4 10	5 52	1 44	13 46	1 53	6 32	0 48	21 9	0 25	19 55	2 46	23 39	23 37	11 6			n.a.
T 26	10 21	0 40	4 53	11 44	1 23	18 31	3 47	23 39	4 8	5 55	1 44	13 44	1 53	6 33	0 48	21 9	0 25	19 55	2 46	23 39	23 37	11 9			n.a.
F 27	9 59	4s20	4 31	10 53	1 15	18 32	3 40	23 40	4 6	5 58	1 44	13 41	1 53	6 34	0 48	21 10	0 25	19 55	2 46	23 38	23 37	11 12			n.a.
S 28	9s37	9s 8	3n58	10s 0	1s 7	18s33	3n32	23n41	4n 4	6n 1	1n44	13s38	1s53	6n35	0n48	21n10	0n25	19s55	2n46	23n38	23n37	11s15			n.a.

Julian Day Number = 1643290.5, Delta T = 03h35m10s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'21, Lahiri = - 6°54'20 Julian Calendar 1 Feb. 214 BCE == Greg. Calendar 28 Jan. 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

MARCH 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 17 44	6♓26'43	15♏25	9♓17	21♉55	2°R43	18°R51	29♒22	15°R17	28°R13	13♐20	25°R 6	24♊39	9♏18	n.a.	S 1
M 2	10 21 41	7°25'49	27°14	11°20	22°42	2♌31	18♍44	29°29	15♍14	28♋12	13°20	25♊ 4	24°36	9°25	n.a.	M 2
T 3	10 25 38	8°24'53	9♐ 8	13°24	23°31	2°20	18°36	29°37	15°12	28°11	13°21	25°D 3	24°33	9°31	n.a.	T 3
W 4	10 29 34	9°23'55	21°11	15°27	24°20	2° 9	18°29	29°44	15° 9	28°10	13°21	25°R 4	24°30	9°38	n.a.	W 4
T 5	10 33 31	10°22'55	3♉28	17°31	25°10	2° 0	18°21	29°52	15° 7	28° 8	13°22	25° 3	24°27	9°45	n.a.	T 5
F 6	10 37 27	11°21'53	16° 5	19°34	26° 1	1°51	18°14	29°59	15° 4	28° 7	13°22	25° 2	24°24	9°51	n.a.	F 6
S 7	10 41 24	12°20'49	29° 6	21°36	26°53	1°43	18° 6	0♓ 7	15° 2	28° 6	13°23	24°58	24°20	9°58	n.a.	S 7
S 8	10 45 20	13°19'44	12♒33	23°37	27°45	1°36	17°58	0°14	14°59	28° 5	13°23	24°51	24°17	10° 5	n.a.	S 8
M 9	10 49 17	14°18'36	26°26	25°37	28°38	1°29	17°51	0°21	14°56	28° 4	13°24	24°42	24°14	10°11	n.a.	M 9
T 10	10 53 13	15°17'27	10♓42	27°35	29°31	1°23	17°43	0°29	14°54	28° 3	13°24	24°31	24°11	10°18	n.a.	T 10
W11	10 57 10	16°16'15	25°16	29°31	0♒25	1°19	17°35	0°36	14°51	28° 2	13°24	24°19	24° 8	10°25	n.a.	W11
T 12	11 1 6	17°15'01	10♈ 1	1♈24	1°19	1°14	17°28	0°44	14°49	28° 1	13°24	24° 8	24° 4	10°31	n.a.	T 12
F 13	11 5 3	18°13'45	24°48	3°14	2°14	1°11	17°20	0°51	14°46	28° 0	13°25	23°59	24° 1	10°38	n.a.	F 13
S 14	11 9 0	19°12'26	9♉29	5° 1	3°10	1° 9	17°12	0°58	14°43	27°59	13°25	23°52	23°58	10°45	n.a.	S 14
S 15	11 12 56	20°11'06	23°59	6°45	4° 6	1° 7	17° 4	1° 6	14°41	27°58	13°25	23°48	23°55	10°51	n.a.	S 15
M16	11 16 53	21° 9'43	8♊14	8°24	5° 2	1° 6	16°57	1°13	14°38	27°57	13°25	23°47	23°52	10°58	n.a.	M16
T 17	11 20 49	22° 8'18	22°13	10° 0	5°59	1°D 6	16°49	1°20	14°36	27°57	13°25	23°47	23°49	11° 5	n.a.	T 17
W18	11 24 46	23° 6'50	5♋55	11°31	6°56	1° 6	16°41	1°27	14°33	27°56	13°25	23°46	23°45	11°11	n.a.	W18
T 19	11 28 42	24° 5'21	19°21	12°58	7°54	1° 8	16°34	1°34	14°31	27°55	13°25	23°45	23°42	11°18	n.a.	T 19
F 20	11 32 39	25° 3'49	2♌34	14°21	8°52	1°10	16°26	1°42	14°28	27°54	13°R25	23°41	23°39	11°25	n.a.	F 20
S 21	11 36 35	26° 2'14	15°35	15°38	9°50	1°12	16°19	1°49	14°26	27°53	13°25	23°35	23°36	11°32	n.a.	S 21
S 22	11 40 32	27° 0'38	28°24	16°50	10°49	1°16	16°11	1°56	14°23	27°53	13°25	23°26	23°33	11°38	n.a.	S 22
M23	11 44 29	27°58'59	11♍ 3	17°58	11°49	1°20	16° 4	2° 3	14°21	27°52	13°25	23°14	23°30	11°45	n.a.	M23
T 24	11 48 25	28°57'18	23°31	19° 0	12°48	1°25	15°57	2°10	14°18	27°51	13°25	23° 1	23°26	11°52	n.a.	T 24
W25	11 52 22	29°55'36	5♎48	19°56	13°48	1°30	15°49	2°17	14°16	27°51	13°25	22°47	23°23	11°58	n.a.	W25
T 26	11 56 18	0♈53'51	17°57	20°48	14°49	1°36	15°42	2°24	14°13	27°50	13°25	22°34	23°20	12° 5	n.a.	T 26
F 27	12 0 15	1°52'05	29°56	21°34	15°49	1°43	15°35	2°31	14°11	27°50	13°25	22°23	23°17	12°12	n.a.	F 27
S 28	12 4 11	2°50'17	11♏49	22°14	16°50	1°51	15°28	2°38	14° 8	27°49	13°24	22°15	23°14	12°18	n.a.	S 28
S 29	12 8 8	3°48'27	23°38	22°49	17°51	1°59	15°21	2°45	14° 6	27°49	13°24	22° 9	23°10	12°25	n.a.	S 29
M30	12 12 4	4°46'36	5♐27	23°19	18°53	2° 7	15°14	2°51	14° 4	27°48	13°24	22° 6	23° 7	12°32	n.a.	M30
T 31	12 16 1	5♈44'43	17♐19	23♈43	19♒55	2♌17	15♍ 7	2♓58	14♍ 1	27♋48	13♐23	22°D 5	23♊ 4	12♏38	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	9s15	13s33	3n14	9s 6	0s59	18s34	3n24	23n42	4n 2	6n 4	1n44	13s36	1s53	6n36	0n48	21n10	0n25	19s55	2n46	23n38	23n37	11s17			n.a.
M 2	8 53	17 28	2 22	8 10	0 50	18 34	3 16	23 43	4 0	6 7	1 44	13 33	1 53	6 37	0 48	21 10	0 25	19 55	2 46	23 38	23 37	11 20			n.a.
T 3	8 31	20 42	1 24	7 14	0 41	18 33	3 8	23 43	3 57	6 10	1 45	13 31	1 53	6 38	0 48	21 11	0 25	19 55	2 46	23 38	23 36	11 23			n.a.
W 4	8 8	23 5	0 21	6 16	0 31	18 32	3 1	23 43	3 55	6 13	1 45	13 28	1 54	6 39	0 48	21 11	0 25	19 55	2 46	23 38	23 36	11 25			n.a.
T 5	7 46	24 25	0s45	5 18	0 21	18 31	2 53	23 43	3 52	6 16	1 45	13 25	1 54	6 40	0 48	21 11	0 25	19 55	2 46	23 38	23 36	11 28			n.a.
F 6	7 23	24 33	1 49	4 20	0 10	18 29	2 45	23 43	3 50	6 19	1 45	13 23	1 54	6 41	0 48	21 11	0 25	19 55	2 46	23 38	23 36	11 31			n.a.
S 7	7 0	23 21	2 50	3 21	0n 1	18 27	2 38	23 42	3 48	6 22	1 45	13 20	1 54	6 42	0 48	21 12	0 25	19 55	2 46	23 37	23 36	11 33			n.a.
S 8	6 38	20 48	3 43	2 22	0 12	18 24	2 30	23 42	3 45	6 25	1 45	13 18	1 54	6 43	0 48	21 12	0 25	19 56	2 46	23 37	23 36	11 36			n.a.
M 9	6 15	17 0	4 25	1 24	0 24	18 21	2 23	23 41	3 43	6 28	1 45	13 15	1 54	6 44	0 48	21 12	0 25	19 56	2 46	23 37	23 36	11 39			n.a.
T 10	5 52	12 8	4 52	0 26	0 36	18 17	2 16	23 40	3 40	6 31	1 45	13 12	1 54	6 45	0 48	21 12	0 25	19 56	2 46	23 36	23 36	11 42			n.a.
W11	5 29	6 29	5 0	0n32	0 47	18 12	2 9	23 38	3 38	6 34	1 45	13 10	1 54	6 46	0 48	21 13	0 25	19 56	2 46	23 36	23 35	11 44			n.a.
T 12	5 6	0 25	4 49	1 28	0 59	18 8	2 2	23 37	3 35	6 37	1 45	13 7	1 54	6 47	0 48	21 13	0 25	19 56	2 46	23 35	23 35	11 47			n.a.
F 13	4 42	5n42	4 19	2 23	1 11	18 2	1 54	23 35	3 33	6 40	1 45	13 5	1 54	6 48	0 48	21 13	0 25	19 56	2 46	23 35	23 35	11 50			n.a.
S 14	4 19	11 29	3 31	3 16	1 22	17 56	1 48	23 33	3 30	6 43	1 45	13 2	1 54	6 49	0 48	21 13	0 25	19 56	2 46	23 35	23 35	11 52			n.a.
S 15	3 56	16 34	2 30	4 8	1 33	17 50	1 41	23 31	3 28	6 46	1 45	13 0	1 55	6 50	0 48	21 13	0 25	19 56	2 46	23 34	23 35	11 55			n.a.
M16	3 33	20 36	1 21	4 58	1 44	17 43	1 34	23 29	3 25	6 49	1 45	12 57	1 55	6 51	0 48	21 13	0 25	19 56	2 46	23 34	23 35	11 58			n.a.
T 17	3 9	23 21	0 8	5 45	1 54	17 35	1 27	23 27	3 23	6 52	1 45	12 55	1 55	6 52	0 48	21 14	0 25	19 56	2 46	23 34	23 34	12 0			n.a.
W18	2 46	24 39	1n 4	6 30	2 4	17 27	1 21	23 24	3 20	6 55	1 45	12 52	1 55	6 53	0 48	21 14	0 25	19 56	2 46	23 34	23 34	12 3			n.a.
T 19	2 22	24 28	2 11	7 13	2 13	17 19	1 14	23 21	3 18	6 58	1 45	12 50	1 55	6 54	0 48	21 14	0 25	19 56	2 46	23 34	23 34	12 6			n.a.
F 20	1 59	22 53	3 9	7 54	2 22	17 10	1 8	23 18	3 15	7 1	1 45	12 47	1 55	6 55	0 48	21 14	0 25	19 56	2 46	23 34	23 34	12 8			n.a.
S 21	1 36	20 7	3 57	8 31	2 30	17 0	1 1	23 15	3 13	7 4	1 45	12 45	1 55	6 56	0 48	21 14	0 25	19 56	2 46	23 34	23 34	12 11			n.a.
S 22	1 12	16 25	4 32	9 6	2 37	16 50	0 55	23 12	3 10	7 7	1 45	12 42	1 55	6 57	0 48	21 14	0 25	19 56	2 46	23 33	23 34	12 14			n.a.
M23	0 49	12 1	4 53	9 38	2 43	16 40	0 49	23 9	3 8	7 10	1 45	12 40	1 55	6 58	0 48	21 15	0 25	19 56	2 46	23 33	23 34	12 16			n.a.
T 24	0 25	7 11	5 0	10 7	2 48	16 29	0 43	23 5	3 5	7 13	1 45	12 37	1 56	6 59	0 48	21 15	0 25	19 56	2 46	23 32	23 33	12 19			n.a.
W25	0 2	2 8	4 52	10 33	2 53	16 17	0 37	23 2	3 3	7 15	1 44	12 35	1 56	7 0	0 48	21 15	0 25	19 56	2 46	23 31	23 33	12 22			n.a.
T 26	0n22	2s56	4 32	10 56	2 56	16 5	0 31	22 58	3 1	7 18	1 44	12 32	1 56	7 1	0 48	21 15	0 25	19 56	2 46	23 31	23 33	12 25			n.a.
F 27	0 45	7 51	3 59	11 16	2 59	15 53	0 26	22 54	2 58	7 21	1 44	12 30	1 56	7 2	0 48	21 15	0 25	19 56	2 46	23 30	23 33	12 27			n.a.
S 28	1 8	12 27	3 16	11 33	3 0	15 39	0 20	22 50	2 56	7 24	1 44	12 28	1 56	7 3	0 48	21 15	0 25	19 56	2 46	23 29	23 33	12 30			n.a.
S 29	1 32	16 34	2 25	11 46	3 1	15 26	0 14	22 46	2 53	7 26	1 44	12 25	1 56	7 4	0 48	21 15	0 25	19 56	2 46	23 29	23 33	12 33			n.a.
M30	1 55	20 2	1 27	11 56	3 0	15 12	0 9	22 42	2 51	7 29	1 44	12 23	1 56	7 5	0 48	21 15	0 25	19 56	2 46	23 29	23 32	12 35			n.a.
T 31	2n18	22s41	0n25	12n 4	2n58	14s57	0n 4	22n37	2n49	7n31	1n44	12s21	1s57	7n 5	0n48	21n15	0n25	19s56	2n46	23n29	23n32	12s38			n.a.

Julian Day Number = 1643318.5, Delta T = 03h35m09s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'17, Lahiri = - 6°54'16 Julian Calendar 1 March 214 BCE == Greg. Calendar 25 Feb. 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

APRIL 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 19 57	6♈42'49	29♐21	24♈ 1	20♒57	2♌27	15°R 0	3♓ 5	13°R59	27°R47	13°R23	22♊ 5	23♊ 1	12♏45	n.a.	W 1
T 2	12 23 54	7°40'53	11♑36	24°14	21°59	2°37	14♍53	3°12	13♍57	27♋47	13♐23	22°R 5	22°58	12°52	n.a.	T 2
F 3	12 27 51	8°38'56	24°12	24°21	23° 2	2°48	14°47	3°18	13°54	27°47	13°22	22° 4	22°55	12°58	n.a.	F 3
S 4	12 31 47	9°36'57	7♒11	24°R23	24° 5	3° 0	14°41	3°25	13°52	27°46	13°22	22° 1	22°51	13° 5	n.a.	S 4
S 5	12 35 44	10°34'56	20°38	24°20	25° 8	3°12	14°34	3°31	13°50	27°46	13°21	21°56	22°48	13°12	n.a.	S 5
M 6	12 39 40	11°32'55	4♓34	24°12	26°12	3°25	14°28	3°38	13°48	27°46	13°21	21°48	22°45	13°18	n.a.	M 6
T 7	12 43 37	12°30'51	18°58	23°59	27°15	3°38	14°22	3°44	13°46	27°46	13°20	21°39	22°42	13°25	n.a.	T 7
W 8	12 47 33	13°28'46	3♈45	23°42	28°19	3°52	14°16	3°51	13°44	27°46	13°20	21°29	22°39	13°32	n.a.	W 8
T 9	12 51 30	14°26'40	18°46	23°21	29°23	4° 6	14°10	3°57	13°41	27°45	13°19	21°19	22°35	13°38	n.a.	T 9
F 10	12 55 26	15°24'32	3♉53	22°56	0♓27	4°21	14° 4	4° 4	13°39	27°45	13°19	21°11	22°32	13°45	n.a.	F 10
S 11	12 59 23	16°22'22	18°55	22°28	1°32	4°36	13°59	4°10	13°37	27°45	13°18	21° 5	22°29	13°52	n.a.	S 11
S 12	13 3 20	17°20'11	3♊45	21°57	2°36	4°52	13°53	4°16	13°35	27°45	13°17	21° 1	22°26	13°58	n.a.	S 12
M13	13 7 16	18°17'58	18°15	21°24	3°41	5° 9	13°48	4°22	13°33	27°D45	13°17	21°D 0	22°23	14° 5	n.a.	M13
T 14	13 11 13	19°15'43	2♋23	20°49	4°46	5°25	13°43	4°28	13°31	27°45	13°16	21° 1	22°20	14°12	n.a.	T 14
W15	13 15 9	20°13'26	16° 9	20°14	5°51	5°43	13°38	4°34	13°29	27°45	13°15	21°R 1	22°16	14°18	n.a.	W15
T 16	13 19 6	21°11'08	29°33	19°38	6°56	6° 0	13°33	4°41	13°28	27°45	13°14	21° 1	22°13	14°25	n.a.	T 16
F 17	13 23 2	22° 8'48	12♌39	19° 3	8° 2	6°19	13°28	4°46	13°26	27°46	13°14	20°59	22°10	14°32	n.a.	F 17
S 18	13 26 59	23° 6'26	25°27	18°29	9° 8	6°37	13°24	4°52	13°24	27°46	13°13	20°55	22° 7	14°38	n.a.	S 18
S 19	13 30 55	24° 4'02	8♍ 3	17°56	10°13	6°56	13°19	4°58	13°22	27°46	13°12	20°48	22° 4	14°45	n.a.	S 19
M20	13 34 52	25° 1'37	20°26	17°25	11°19	7°16	13°15	5° 4	13°20	27°46	13°11	20°40	22° 1	14°52	n.a.	M20
T 21	13 38 49	25°59'10	2♎40	16°57	12°25	7°35	13°11	5°10	13°19	27°46	13°10	20°30	21°57	14°59	n.a.	T 21
W22	13 42 45	26°56'42	14°45	16°32	13°32	7°56	13° 7	5°15	13°17	27°47	13° 9	20°20	21°54	15° 5	n.a.	W22
T 23	13 46 42	27°54'13	26°44	16°10	14°38	8°16	13° 3	5°21	13°16	27°47	13° 8	20°10	21°51	15°12	n.a.	T 23
F 24	13 50 38	28°51'42	8♏37	15°52	15°45	8°37	12°59	5°26	13°14	27°47	13° 8	20° 2	21°48	15°19	n.a.	F 24
S 25	13 54 35	29°49'10	20°27	15°38	16°51	8°58	12°56	5°32	13°12	27°48	13° 7	19°56	21°45	15°25	n.a.	S 25
S 26	13 58 31	0♉46'37	2♐16	15°28	17°58	9°20	12°53	5°37	13°11	27°48	13° 6	19°52	21°41	15°32	n.a.	S 26
M27	14 2 28	1°44'04	14° 5	15°22	19° 5	9°42	12°50	5°43	13°10	27°49	13° 5	19°51	21°38	15°39	n.a.	M27
T 28	14 6 24	2°41'29	26° 0	15°D21	20°12	10° 5	12°47	5°48	13° 8	27°49	13° 4	19°D51	21°35	15°45	n.a.	T 28
W29	14 10 21	3°38'53	8♑ 3	15°24	21°19	10°27	12°44	5°53	13° 7	27°50	13° 2	19°52	21°32	15°52	n.a.	W29
T 30	14 14 18	4♉36'17	20♑19	15♈32	22♓27	10♌50	12♍41	5♓58	13♍ 6	27♋50	13♐ 1	19♊53	21♊29	15♏59	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n42	24s22	0s39	12n 8	2n55	14s42	0s 2	22n33	2n46	7n34	1n44	12s18	1s57	7n 6	0n48	21n15	0n25	19s56	2n46	23n29	23n32	12s41		n.a.
T 2	3 5	24 54	1 42	12 8	2 50	14 27	0 7	22 28	2 44	7 36	1 44	12 16	1 57	7 7	0 48	21 16	0 25	19 56	2 46	23 29	23 32	12 43		n.a.
F 3	3 28	24 11	2 42	12 6	2 45	14 11	0 12	22 23	2 42	7 39	1 43	12 14	1 57	7 8	0 48	21 16	0 25	19 56	2 46	23 29	23 32	12 46		n.a.
S 4	3 51	22 10	3 35	12 0	2 38	13 55	0 17	22 18	2 39	7 41	1 43	12 11	1 57	7 9	0 48	21 16	0 25	19 56	2 46	23 29	23 32	12 48		n.a.
S 5	4 14	18 52	4 19	11 51	2 30	13 38	0 21	22 13	2 37	7 44	1 43	12 9	1 57	7 10	0 48	21 16	0 25	19 56	2 46	23 28	23 31	12 51		n.a.
M 6	4 37	14 25	4 49	11 40	2 20	13 21	0 26	22 8	2 35	7 46	1 43	12 7	1 57	7 11	0 48	21 16	0 25	19 56	2 46	23 28	23 31	12 54		n.a.
T 7	5 0	9 2	5 2	11 25	2 10	13 3	0 31	22 3	2 33	7 48	1 43	12 5	1 58	7 11	0 48	21 16	0 25	19 56	2 46	23 27	23 31	12 56		n.a.
W 8	5 23	3 1	4 56	11 8	1 58	12 45	0 35	21 57	2 31	7 50	1 43	12 2	1 58	7 12	0 48	21 16	0 25	19 56	2 46	23 27	23 31	12 59		n.a.
T 9	5 46	3n18	4 29	10 48	1 45	12 26	0 39	21 51	2 28	7 52	1 42	12 0	1 58	7 13	0 48	21 16	0 25	19 56	2 46	23 26	23 31	13 2		n.a.
F 10	6 8	9 28	3 43	10 26	1 31	12 7	0 44	21 46	2 26	7 55	1 42	11 58	1 58	7 14	0 48	21 16	0 25	19 56	2 46	23 25	23 31	13 4		n.a.
S 11	6 31	15 3	2 42	10 2	1 17	11 48	0 48	21 40	2 24	7 57	1 42	11 56	1 58	7 15	0 48	21 16	0 25	19 55	2 46	23 25	23 30	13 7		n.a.
S 12	6 53	19 40	1 31	9 36	1 1	11 28	0 52	21 34	2 22	7 58	1 42	11 54	1 58	7 15	0 48	21 16	0 25	19 55	2 46	23 25	23 30	13 10		n.a.
M13	7 15	22 57	0 15	9 8	0 45	11 8	0 56	21 28	2 20	8 0	1 42	11 52	1 59	7 16	0 47	21 16	0 25	19 55	2 46	23 25	23 30	13 12		n.a.
T 14	7 38	24 42	1n 0	8 40	0 29	10 48	1 0	21 22	2 18	8 2	1 42	11 49	1 59	7 17	0 47	21 16	0 25	19 55	2 46	23 25	23 30	13 15		n.a.
W15	8 0	24 53	2 10	8 11	0 12	10 27	1 3	21 15	2 16	8 4	1 41	11 47	1 59	7 18	0 47	21 16	0 25	19 55	2 46	23 25	23 30	13 18		n.a.
T 16	8 22	23 35	3 11	7 41	0s 5	10 6	1 7	21 9	2 14	8 6	1 41	11 45	1 59	7 18	0 47	21 16	0 25	19 55	2 45	23 25	23 29	13 20		n.a.
F 17	8 43	21 3	4 0	7 12	0 23	9 44	1 10	21 2	2 12	8 7	1 41	11 43	1 59	7 19	0 47	21 16	0 25	19 55	2 45	23 25	23 29	13 23		n.a.
S 18	9 5	17 30	4 36	6 43	0 40	9 23	1 14	20 56	2 10	8 9	1 41	11 41	2 0	7 20	0 47	21 16	0 25	19 55	2 45	23 24	23 29	13 26		n.a.
S 19	9 27	13 14	4 58	6 15	0 56	9 0	1 17	20 49	2 8	8 10	1 40	11 39	2 0	7 20	0 47	21 16	0 25	19 55	2 45	23 24	23 29	13 28		n.a.
M20	9 48	8 30	5 5	5 48	1 13	8 38	1 20	20 42	2 6	8 12	1 40	11 37	2 0	7 21	0 47	21 16	0 25	19 55	2 45	23 23	23 29	13 31		n.a.
T 21	10 9	3 29	4 58	5 23	1 28	8 15	1 23	20 35	2 4	8 13	1 40	11 35	2 0	7 22	0 47	21 16	0 25	19 55	2 45	23 23	23 28	13 33		n.a.
W22	10 30	1s37	4 38	4 59	1 44	7 52	1 26	20 28	2 2	8 15	1 40	11 33	2 0	7 22	0 47	21 16	0 25	19 55	2 45	23 22	23 28	13 36		n.a.
T 23	10 51	6 36	4 6	4 37	1 58	7 29	1 29	20 20	2 0	8 16	1 40	11 32	2 1	7 23	0 47	21 16	0 25	19 55	2 45	23 21	23 28	13 39		n.a.
F 24	11 12	11 20	3 23	4 18	2 11	7 5	1 32	20 13	1 58	8 17	1 39	11 30	2 1	7 23	0 47	21 15	0 25	19 55	2 45	23 21	23 28	13 41		n.a.
S 25	11 32	15 38	2 32	4 1	2 24	6 41	1 34	20 5	1 56	8 18	1 39	11 28	2 1	7 24	0 47	21 15	0 25	19 55	2 45	23 20	23 28	13 44		n.a.
S 26	11 53	19 20	1 33	3 46	2 35	6 17	1 37	19 58	1 54	8 19	1 39	11 26	2 1	7 24	0 47	21 15	0 25	19 54	2 45	23 20	23 27	13 47		n.a.
M27	12 13	22 15	0 31	3 34	2 46	5 53	1 39	19 50	1 53	8 20	1 39	11 24	2 1	7 25	0 47	21 15	0 25	19 54	2 45	23 20	23 27	13 49		n.a.
T 28	12 33	24 13	0s33	3 25	2 55	5 28	1 41	19 42	1 51	8 21	1 38	11 22	2 2	7 25	0 47	21 15	0 25	19 54	2 45	23 20	23 27	13 52		n.a.
W29	12 53	25 5	1 37	3 19	3 4	5 4	1 43	19 34	1 49	8 22	1 38	11 21	2 2	7 26	0 47	21 15	0 25	19 54	2 45	23 20	23 27	13 54		n.a.
T 30	13n12	24s45	2s37	3n15	3s11	4s39	1s45	19n26	1n47	8n23	1n38	11s19	2s 2	7n26	0n47	21n15	0n25	19s54	2n45	23n20	23n27	13s57		n.a.

Julian Day Number = 1643349.5, Delta T = 03h35m08s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'13, Lahiri = - 6°54'12 Julian Calendar 1 Apr. 214 BCE == Greg. Calendar 28 March 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

MAY 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 18 14	5♉33'40	2♒53	15♈44	23♓34	11♌14	12°R39	6♓ 3	13°R 4	27♋51	13°R 0	19°R54	21♊26	16♏ 5	n.a.	F 1
S 2	14 22 11	6°31'02	15°49	16° 1	24°42	11°38	12♍37	6° 8	13♍ 3	27°51	12♐59	19♊53	21°22	16°12	n.a.	S 2
S 3	14 26 7	7°28'23	29°12	16°22	25°49	12° 2	12°35	6°13	13° 2	27°52	12°58	19°51	21°19	16°19	n.a.	S 3
M 4	14 30 4	8°25'44	13♓ 3	16°48	26°57	12°26	12°33	6°18	13° 1	27°53	12°57	19°48	21°16	16°25	n.a.	M 4
T 5	14 34 0	9°23'03	27°22	17°18	28° 5	12°51	12°31	6°23	13° 0	27°53	12°56	19°43	21°13	16°32	n.a.	T 5
W 6	14 37 57	10°20'23	12♈ 6	17°52	29°13	13°16	12°30	6°27	12°59	27°54	12°55	19°37	21°10	16°39	n.a.	W 6
T 7	14 41 53	11°17'41	27° 9	18°30	0♈21	13°41	12°28	6°32	12°58	27°55	12°53	19°31	21° 7	16°45	n.a.	T 7
F 8	14 45 50	12°14'59	12♉22	19°12	1°29	14° 7	12°27	6°37	12°57	27°56	12°52	19°27	21° 3	16°52	n.a.	F 8
S 9	14 49 47	13°12'16	27°35	19°58	2°38	14°33	12°26	6°41	12°56	27°56	12°51	19°24	21° 0	16°59	n.a.	S 9
S 10	14 53 43	14° 9'32	12♊37	20°48	3°46	14°59	12°25	6°45	12°55	27°57	12°50	19°D22	20°57	17° 5	n.a.	S 10
M11	14 57 40	15° 6'48	27°21	21°41	4°55	15°25	12°25	6°50	12°54	27°58	12°48	19°22	20°54	17°12	n.a.	M11
T 12	15 1 36	16° 4'02	11♋42	22°38	6° 3	15°52	12°24	6°54	12°54	27°59	12°47	19°23	20°51	17°19	n.a.	T 12
W13	15 5 33	17° 1'16	25°38	23°39	7°12	16°19	12°24	6°58	12°53	28° 0	12°46	19°25	20°47	17°25	n.a.	W13
T 14	15 9 29	17°58'29	9♌ 8	24°43	8°20	16°46	12°D24	7° 2	12°52	28° 1	12°44	19°26	20°44	17°32	n.a.	T 14
F 15	15 13 26	18°55'40	22°15	25°51	9°29	17°14	12°24	7° 6	12°52	28° 2	12°43	19°R26	20°41	17°39	n.a.	F 15
S 16	15 17 22	19°52'51	5♍ 1	27° 2	10°38	17°41	12°24	7°10	12°51	28° 3	12°42	19°25	20°38	17°45	n.a.	S 16
S 17	15 21 19	20°50'01	17°30	28°16	11°47	18° 9	12°25	7°14	12°51	28° 4	12°40	19°23	20°35	17°52	n.a.	S 17
M18	15 25 16	21°47'10	29°45	29°34	12°56	18°37	12°26	7°17	12°50	28° 5	12°39	19°19	20°32	17°59	n.a.	M18
T 19	15 29 12	22°44'19	11♎50	0♉55	14° 5	19° 6	12°26	7°21	12°50	28° 6	12°38	19°15	20°28	18° 5	n.a.	T 19
W20	15 33 9	23°41'26	23°47	2°19	15°15	19°35	12°27	7°25	12°50	28° 8	12°36	19°11	20°25	18°12	n.a.	W20
T 21	15 37 5	24°38'34	5♏39	3°46	16°24	20° 4	12°29	7°28	12°49	28° 9	12°35	19° 7	20°22	18°19	n.a.	T 21
F 22	15 41 2	25°35'41	17°29	5°17	17°33	20°33	12°30	7°31	12°49	28°10	12°33	19° 4	20°19	18°25	n.a.	F 22
S 23	15 44 58	26°32'47	29°18	6°50	18°43	21° 2	12°31	7°35	12°49	28°11	12°32	19° 1	20°16	18°32	n.a.	S 23
S 24	15 48 55	27°29'54	11♐ 9	8°27	19°52	21°32	12°33	7°38	12°49	28°12	12°31	19° 0	20°12	18°39	n.a.	S 24
M25	15 52 51	28°27'00	23° 3	10° 7	21° 2	22° 1	12°35	7°41	12°D49	28°14	12°29	19°D 0	20° 9	18°45	n.a.	M25
T 26	15 56 48	29°24'06	5♑ 4	11°49	22°12	22°31	12°37	7°44	12°49	28°15	12°28	19° 1	20° 6	18°52	n.a.	T 26
W27	16 0 45	0♊21'12	17°14	13°35	23°21	23° 2	12°39	7°47	12°49	28°16	12°26	19° 2	20° 3	18°59	n.a.	W27
T 28	16 4 41	1°18'18	29°37	15°24	24°31	23°32	12°42	7°50	12°49	28°18	12°25	19° 3	20° 0	19° 5	n.a.	T 28
F 29	16 8 38	2°15'24	12♒15	17°15	25°41	24° 3	12°44	7°52	12°49	28°19	12°23	19° 4	19°57	19°12	n.a.	F 29
S 30	16 12 34	3°12'31	25°12	19° 9	26°51	24°34	12°47	7°55	12°49	28°21	12°22	19° 5	19°53	19°19	n.a.	S 30
S 31	16 16 31	4♊ 9'37	8♓31	21♉ 5	28♈ 1	25♌ 5	12♍50	7♓58	12♍50	28♋22	12♐20	19°R 5	19♊50	19♏25	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n32	23s11	3s32	3n14	3s17	4s13	1s47	19n18	1n45	8n23	1n38	11s17	2s 2	7n27	0n47	21n15	0n25	19s54	2n45	23n20	23n26	14s 0		n.a.
S 2	13 51	20 22	4 17	3 16	3 23	3 48	1 49	19 9	1 44	8 24	1 37	11 16	2 3	7 27	0 47	21 15	0 25	19 54	2 45	23 20	23 26	14 2		n.a.
S 3	14 10	16 25	4 50	3 20	3 27	3 22	1 51	19 1	1 42	8 25	1 37	11 14	2 3	7 28	0 47	21 14	0 25	19 54	2 45	23 20	23 26	14 5		n.a.
M 4	14 29	11 28	5 8	3 27	3 30	2 57	1 53	18 52	1 40	8 25	1 37	11 12	2 3	7 28	0 47	21 14	0 25	19 54	2 45	23 19	23 26	14 7		n.a.
T 5	14 47	5 45	5 7	3 36	3 32	2 31	1 54	18 44	1 38	8 25	1 36	11 11	2 3	7 28	0 47	21 14	0 25	19 54	2 45	23 19	23 26	14 10		n.a.
W 6	15 6	0n27	4 47	3 48	3 34	2 5	1 55	18 35	1 37	8 26	1 36	11 9	2 3	7 29	0 47	21 14	0 25	19 54	2 45	23 19	23 25	14 13		n.a.
T 7	15 24	6 45	4 6	4 2	3 34	1 38	1 57	18 26	1 35	8 26	1 36	11 8	2 4	7 29	0 47	21 14	0 25	19 53	2 45	23 18	23 25	14 15		n.a.
F 8	15 42	12 45	3 8	4 19	3 34	1 12	1 58	18 17	1 33	8 26	1 36	11 6	2 4	7 30	0 47	21 14	0 25	19 53	2 45	23 18	23 25	14 18		n.a.
S 9	15 59	17 58	1 56	4 37	3 32	0 46	1 59	18 7	1 32	8 26	1 35	11 5	2 4	7 30	0 47	21 14	0 25	19 53	2 44	23 18	23 25	14 20		n.a.
S 10	16 17	21 58	0 37	4 58	3 30	0 19	2 0	17 58	1 30	8 26	1 35	11 3	2 4	7 30	0 47	21 13	0 25	19 53	2 44	23 17	23 25	14 23		n.a.
M11	16 34	24 25	0n44	5 21	3 27	0n 8	2 1	17 49	1 29	8 26	1 35	11 2	2 5	7 30	0 47	21 13	0 25	19 53	2 44	23 17	23 24	14 26		n.a.
T 12	16 50	25 11	1 59	5 46	3 24	0 34	2 2	17 39	1 27	8 26	1 35	11 1	2 5	7 31	0 46	21 13	0 25	19 53	2 44	23 17	23 24	14 28		n.a.
W13	17 7	24 18	3 5	6 12	3 19	1 1	2 2	17 29	1 25	8 26	1 34	10 59	2 5	7 31	0 46	21 13	0 25	19 53	2 44	23 18	23 24	14 31		n.a.
T 14	17 23	22 1	3 59	6 41	3 14	1 28	2 3	17 20	1 24	8 26	1 34	10 58	2 5	7 31	0 46	21 13	0 25	19 53	2 44	23 18	23 24	14 33		n.a.
F 15	17 39	18 39	4 39	7 11	3 8	1 55	2 4	17 10	1 22	8 26	1 34	10 57	2 6	7 31	0 46	21 12	0 25	19 53	2 44	23 18	23 23	14 36		n.a.
S 16	17 55	14 29	5 3	7 43	3 2	2 22	2 4	17 0	1 21	8 25	1 33	10 55	2 6	7 31	0 46	21 12	0 25	19 53	2 44	23 18	23 23	14 38		n.a.
S 17	18 10	9 47	5 13	8 16	2 55	2 49	2 4	16 49	1 19	8 25	1 33	10 54	2 6	7 32	0 46	21 12	0 25	19 52	2 44	23 17	23 23	14 41		n.a.
M18	18 26	4 48	5 8	8 51	2 47	3 16	2 4	16 39	1 18	8 24	1 33	10 53	2 6	7 32	0 46	21 12	0 25	19 52	2 44	23 17	23 23	14 44		n.a.
T 19	18 40	0s18	4 49	9 27	2 39	3 43	2 5	16 29	1 16	8 24	1 33	10 52	2 7	7 32	0 46	21 12	0 25	19 52	2 44	23 17	23 22	14 46		n.a.
W20	18 55	5 20	4 18	10 4	2 31	4 10	2 5	16 18	1 15	8 23	1 32	10 51	2 7	7 32	0 46	21 11	0 25	19 52	2 44	23 16	23 22	14 49		n.a.
T 21	19 9	10 10	3 36	10 42	2 21	4 37	2 4	16 7	1 13	8 22	1 32	10 50	2 7	7 32	0 46	21 11	0 25	19 52	2 44	23 16	23 22	14 51		n.a.
F 22	19 23	14 37	2 45	11 22	2 12	5 3	2 4	15 57	1 12	8 22	1 32	10 49	2 7	7 32	0 46	21 11	0 25	19 52	2 44	23 16	23 22	14 54		n.a.
S 23	19 37	18 30	1 46	12 2	2 2	5 30	2 4	15 46	1 10	8 21	1 31	10 48	2 8	7 32	0 46	21 11	0 25	19 52	2 44	23 16	23 22	14 56		n.a.
S 24	19 50	21 40	0 43	12 44	1 52	5 57	2 4	15 35	1 9	8 20	1 31	10 47	2 8	7 32	0 46	21 10	0 25	19 52	2 43	23 16	23 21	14 59		n.a.
M25	20 3	23 55	0s22	13 26	1 41	6 24	2 3	15 24	1 8	8 19	1 31	10 46	2 8	7 32	0 46	21 10	0 25	19 52	2 43	23 16	23 21	15 2		n.a.
T 26	20 16	25 5	1 28	14 8	1 30	6 51	2 3	15 12	1 6	8 18	1 31	10 45	2 8	7 32	0 46	21 10	0 25	19 51	2 43	23 16	23 21	15 4		n.a.
W27	20 28	25 4	2 30	14 51	1 19	7 17	2 2	15 1	1 5	8 17	1 30	10 44	2 9	7 32	0 46	21 10	0 25	19 51	2 43	23 16	23 21	15 7		n.a.
T 28	20 40	23 50	3 26	15 34	1 7	7 44	2 2	14 50	1 3	8 15	1 30	10 43	2 9	7 32	0 46	21 9	0 25	19 51	2 43	23 16	23 20	15 9		n.a.
F 29	20 51	21 23	4 14	16 17	0 56	8 10	2 1	14 38	1 2	8 14	1 30	10 43	2 9	7 32	0 46	21 9	0 25	19 51	2 43	23 16	23 20	15 12		n.a.
S 30	21 3	17 48	4 50	17 0	0 44	8 36	2 0	14 26	1 1	8 13	1 30	10 42	2 10	7 32	0 46	21 9	0 25	19 51	2 43	23 16	23 20	15 14		n.a.
S 31	21n14	13s16	5s11	17n43	0s33	9n 3	1s59	14n15	0n59	8n11	1n29	10s41	2s10	7n31	0n46	21n 8	0n25	19s51	2n43	23n16	23n20	15s17		n.a.

Julian Day Number = 1643379.5, Delta T = 03h35m07s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'08, Lahiri = - 6°54'08 Julian Calendar 1 May 214 BCE == Greg. Calendar 27 Apr. 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

JUNE 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 20 27	5♊ 6'44	22♓15	23♉ 4	29♈11	25♌36	12♍53	8♓ 0	12♍50	28♋23	12°R19	19°R 5	19♊47	19♏32	n.a.	M 1
T 2	16 24 24	6° 3'51	6♈23	25° 5	0♉21	26° 7	12°56	8° 2	12°50	28°25	12♐17	19♊ 4	19°44	19°39	n.a.	T 2
W 3	16 28 21	7° 0'58	20°54	27° 9	1°32	26°39	13° 0	8° 5	12°51	28°26	12°16	19° 2	19°41	19°45	n.a.	W 3
T 4	16 32 17	7°58'05	5♉45	29°14	2°42	27°10	13° 3	8° 7	12°51	28°28	12°14	19° 1	19°38	19°52	n.a.	T 4
F 5	16 36 14	8°55'13	20°48	1♊20	3°52	27°42	13° 7	8° 9	12°52	28°30	12°13	19° 0	19°34	19°59	n.a.	F 5
S 6	16 40 10	9°52'21	5♊56	3°27	5° 3	28°15	13°11	8°11	12°52	28°31	12°11	18°59	19°31	20° 5	n.a.	S 6
S 7	16 44 7	10°49'30	20°58	5°36	6°13	28°47	13°15	8°13	12°53	28°33	12°10	18°D59	19°28	20°12	n.a.	S 7
M 8	16 48 3	11°46'39	5♋48	7°45	7°24	29°19	13°19	8°14	12°54	28°34	12° 8	18°59	19°25	20°19	n.a.	M 8
T 9	16 52 0	12°43'47	20°16	9°55	8°35	29°52	13°24	8°16	12°54	28°36	12° 7	19° 0	19°22	20°25	n.a.	T 9
W10	16 55 56	13°40'56	4♌21	12° 4	9°45	0♍25	13°28	8°18	12°55	28°38	12° 5	19° 0	19°19	20°32	n.a.	W10
T 11	16 59 53	14°38'05	17°58	14°14	10°56	0°58	13°33	8°19	12°56	28°39	12° 4	19° 1	19°15	20°39	n.a.	T 11
F 12	17 3 50	15°35'14	1♍11	16°23	12° 7	1°31	13°38	8°20	12°57	28°41	12° 2	19° 1	19°12	20°45	n.a.	F 12
S 13	17 7 46	16°32'22	13°59	18°31	13°18	2° 5	13°43	8°22	12°58	28°43	12° 1	19°R 1	19° 9	20°52	n.a.	S 13
S 14	17 11 43	17°29'31	26°28	20°38	14°29	2°38	13°48	8°23	12°59	28°45	11°59	19° 1	19° 6	20°59	n.a.	S 14
M15	17 15 39	18°26'40	8♎41	22°45	15°40	3°12	13°54	8°24	13° 0	28°46	11°58	19° 1	19° 3	21° 5	n.a.	M15
T 16	17 19 36	19°23'50	20°42	24°50	16°51	3°46	13°59	8°25	13° 1	28°48	11°56	19°D 1	18°59	21°12	n.a.	T 16
W17	17 23 32	20°20'59	2♏35	26°53	18° 2	4°20	14° 5	8°26	13° 2	28°50	11°55	19° 1	18°56	21°19	n.a.	W17
T 18	17 27 29	21°18'09	14°24	28°56	19°13	4°54	14°10	8°26	13° 3	28°52	11°53	19° 1	18°53	21°25	n.a.	T 18
F 19	17 31 25	22°15'20	26°13	0♋56	20°24	5°28	14°16	8°27	13° 5	28°54	11°52	19° 2	18°50	21°32	n.a.	F 19
S 20	17 35 22	23°12'31	8♐ 5	2°56	21°36	6° 2	14°22	8°27	13° 6	28°56	11°51	19° 2	18°47	21°39	n.a.	S 20
S 21	17 39 19	24° 9'42	20° 1	4°53	22°47	6°37	14°29	8°28	13° 7	28°57	11°49	19°R 2	18°44	21°45	n.a.	S 21
M22	17 43 15	25° 6'55	2♑ 5	6°49	23°58	7°12	14°35	8°28	13° 9	28°59	11°48	19° 2	18°40	21°52	n.a.	M22
T 23	17 47 12	26° 4'08	14°18	8°43	25°10	7°47	14°41	8°28	13°10	29° 1	11°46	19° 1	18°37	21°59	n.a.	T 23
W24	17 51 8	27° 1'21	26°41	10°36	26°21	8°22	14°48	8°29	13°12	29° 3	11°45	19° 1	18°34	22° 5	n.a.	W24
T 25	17 55 5	27°58'36	9♒17	12°26	27°33	8°57	14°55	8°R29	13°13	29° 5	11°43	18°59	18°31	22°12	n.a.	T 25
F 26	17 59 1	28°55'52	22° 7	14°15	28°44	9°32	15° 2	8°29	13°15	29° 7	11°42	18°58	18°28	22°19	n.a.	F 26
S 27	18 2 58	29°53'08	5♓13	16° 3	29°56	10° 7	15° 9	8°28	13°16	29° 9	11°40	18°57	18°24	22°25	n.a.	S 27
S 28	18 6 55	0♋50'26	18°36	17°48	1♊ 8	10°43	15°16	8°28	13°18	29°11	11°39	18°56	18°21	22°32	n.a.	S 28
M29	18 10 51	1°47'45	2♈16	19°32	2°20	11°19	15°23	8°28	13°20	29°13	11°38	18°D56	18°18	22°39	n.a.	M29
T 30	18 14 48	2♋45'05	16♈15	21♋14	3♊32	11♍55	15♍30	8♓27	13♍22	29♋15	11♐36	18♊56	18♊15	22♏45	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n24	7s56	5s16	18n25	0s21	9n29	1s58	14n 3	0n58	8n10	1n29	10s40	2s10	7n31	0n46	21n 8	0n25	19s51	2n43	23n16	23n19	15s19		n.a.
T 2	21 34	2 3	5 2	19 6	0 10	9 55	1 57	13 51	0 57	8 8	1 29	10 40	2 10	7 31	0 46	21 8	0 25	19 51	2 43	23 16	23 19	15 22		n.a.
W 3	21 44	4n 6	4 29	19 47	0n 2	10 20	1 56	13 39	0 55	8 7	1 28	10 39	2 11	7 31	0 46	21 7	0 25	19 51	2 43	23 16	23 19	15 24		n.a.
T 4	21 54	10 11	3 37	20 25	0 12	10 46	1 55	13 26	0 54	8 5	1 28	10 39	2 11	7 31	0 45	21 7	0 25	19 51	2 42	23 16	23 19	15 27		n.a.
F 5	22 3	15 45	2 30	21 3	0 23	11 11	1 53	13 14	0 53	8 4	1 28	10 38	2 11	7 30	0 45	21 7	0 25	19 50	2 42	23 16	23 18	15 29		n.a.
S 6	22 12	20 22	1 12	21 38	0 33	11 36	1 52	13 1	0 51	8 2	1 28	10 38	2 11	7 30	0 45	21 6	0 25	19 50	2 42	23 16	23 18	15 32		n.a.
S 7	22 20	23 36	0n11	22 12	0 43	12 1	1 50	12 49	0 50	8 0	1 27	10 37	2 12	7 30	0 45	21 6	0 25	19 50	2 42	23 16	23 18	15 35		n.a.
M 8	22 28	25 7	1 32	22 43	0 52	12 26	1 49	12 36	0 49	7 58	1 27	10 37	2 12	7 29	0 45	21 6	0 25	19 50	2 42	23 16	23 18	15 37		n.a.
T 9	22 35	24 53	2 45	23 12	1 1	12 50	1 47	12 23	0 47	7 56	1 27	10 36	2 12	7 29	0 45	21 5	0 25	19 50	2 42	23 16	23 17	15 40		n.a.
W10	22 43	23 3	3 46	23 39	1 9	13 14	1 46	12 11	0 46	7 54	1 27	10 36	2 13	7 29	0 45	21 5	0 25	19 50	2 42	23 16	23 17	15 42		n.a.
T 11	22 49	19 56	4 32	24 3	1 16	13 38	1 44	11 58	0 45	7 52	1 26	10 36	2 13	7 28	0 45	21 5	0 25	19 50	2 42	23 16	23 17	15 45		n.a.
F 12	22 56	15 53	5 2	24 24	1 23	14 2	1 42	11 44	0 44	7 50	1 26	10 36	2 13	7 28	0 45	21 4	0 25	19 50	2 42	23 16	23 17	15 47		n.a.
S 13	23 2	11 13	5 16	24 42	1 29	14 25	1 40	11 31	0 43	7 48	1 26	10 35	2 13	7 28	0 45	21 4	0 25	19 50	2 42	23 16	23 16	15 50		n.a.
S 14	23 8	6 13	5 15	24 58	1 35	14 48	1 39	11 18	0 41	7 45	1 26	10 35	2 14	7 27	0 45	21 4	0 25	19 50	2 41	23 16	23 16	15 52		n.a.
M15	23 13	1 6	4 59	25 10	1 39	15 11	1 37	11 4	0 40	7 43	1 25	10 35	2 14	7 27	0 45	21 3	0 25	19 49	2 41	23 16	23 16	15 55		n.a.
T 16	23 18	4s 0	4 30	25 20	1 43	15 33	1 35	10 51	0 39	7 41	1 25	10 35	2 14	7 26	0 45	21 3	0 25	19 49	2 41	23 16	23 16	15 57		n.a.
W17	23 22	8 54	3 50	25 27	1 46	15 55	1 33	10 37	0 38	7 38	1 25	10 35	2 15	7 26	0 45	21 3	0 25	19 49	2 41	23 16	23 15	16 0		n.a.
T 18	23 26	13 28	3 1	25 32	1 49	16 17	1 30	10 24	0 37	7 36	1 24	10 35	2 15	7 25	0 45	21 2	0 25	19 49	2 41	23 16	23 15	16 2		n.a.
F 19	23 30	17 32	2 3	25 33	1 50	16 38	1 28	10 10	0 35	7 33	1 24	10 35	2 15	7 25	0 45	21 2	0 25	19 49	2 41	23 16	23 15	16 5		n.a.
S 20	23 33	20 55	1 0	25 33	1 51	16 59	1 26	9 56	0 34	7 31	1 24	10 35	2 15	7 24	0 45	21 1	0 25	19 49	2 41	23 16	23 14	16 7		n.a.
S 21	23 35	23 26	0s 5	25 30	1 52	17 20	1 24	9 42	0 33	7 28	1 24	10 35	2 16	7 24	0 45	21 1	0 25	19 49	2 41	23 16	23 14	16 10		n.a.
M22	23 38	24 54	1 12	25 24	1 52	17 40	1 22	9 28	0 32	7 25	1 23	10 35	2 16	7 23	0 45	21 1	0 25	19 49	2 41	23 16	23 14	16 12		n.a.
T 23	23 40	25 12	2 16	25 16	1 51	18 0	1 19	9 14	0 31	7 22	1 23	10 35	2 16	7 23	0 45	21 0	0 25	19 49	2 40	23 16	23 14	16 15		n.a.
W24	23 41	24 14	3 14	25 7	1 49	18 19	1 17	8 59	0 30	7 20	1 23	10 36	2 17	7 22	0 45	21 0	0 25	19 49	2 40	23 16	23 13	16 17		n.a.
T 25	23 42	22 3	4 4	24 55	1 47	18 38	1 15	8 45	0 28	7 17	1 23	10 36	2 17	7 21	0 45	20 59	0 25	19 49	2 40	23 16	23 13	16 20		n.a.
F 26	23 43	18 45	4 43	24 41	1 45	18 57	1 12	8 30	0 27	7 14	1 23	10 36	2 17	7 21	0 45	20 59	0 25	19 49	2 40	23 15	23 13	16 22		n.a.
S 27	23 43	14 28	5 8	24 26	1 42	19 14	1 10	8 16	0 26	7 11	1 22	10 36	2 17	7 20	0 45	20 59	0 25	19 49	2 40	23 15	23 13	16 24		n.a.
S 28	23 43	9 24	5 17	24 9	1 38	19 32	1 7	8 1	0 25	7 8	1 22	10 37	2 18	7 19	0 44	20 58	0 25	19 49	2 40	23 15	23 12	16 27		n.a.
M29	23 43	3 47	5 8	23 50	1 34	19 49	1 5	7 46	0 24	7 5	1 22	10 37	2 18	7 19	0 44	20 58	0 25	19 48	2 40	23 15	23 12	16 29		n.a.
T 30	23n42	2n 8	4s42	23n30	1n30	20n 5	1s 2	7n32	0n23	7n 2	1n22	10s38	2s18	7n18	0n44	20n57	0n25	19s48	2n40	23n15	23n12	16s32		n.a.

Julian Day Number = 1643410.5, Delta T = 03h35m06s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'04, Lahiri = - 6°54'04 Julian Calendar 1 June 214 BCE == Greg. Calendar 28 May 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

JULY 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 18 44	3♋42'26	0♉31	22♋55	4♊44	12♍30	15♍38	8°R27	13♍23	29♋17	11°R35	18♊57	18♊12	22♏52	n.a.	W 1
T 2	18 22 41	4°39'49	15° 3	24°33	5°56	13° 7	15°46	8♓26	13°25	29°19	11♐34	18°58	18° 9	22°59	n.a.	T 2
F 3	18 26 37	5°37'13	29°46	26°11	7° 8	13°43	15°53	8°25	13°27	29°21	11°32	18°59	18° 5	23° 5	n.a.	F 3
S 4	18 30 34	6°34'38	14♊35	27°46	8°20	14°19	16° 1	8°24	13°29	29°23	11°31	19°R 0	18° 2	23°12	n.a.	S 4
S 5	18 34 30	7°32'05	29°23	29°20	9°32	14°56	16° 9	8°23	13°31	29°26	11°30	19° 0	17°59	23°19	n.a.	S 5
M 6	18 38 27	8°29'32	14♋ 3	0♌52	10°44	15°32	16°18	8°22	13°33	29°28	11°28	18°59	17°56	23°25	n.a.	M 6
T 7	18 42 24	9°27'01	28°28	2°22	11°56	16° 9	16°26	8°21	13°35	29°30	11°27	18°57	17°53	23°32	n.a.	T 7
W 8	18 46 20	10°24'31	12♌33	3°51	13° 9	16°46	16°34	8°20	13°38	29°32	11°26	18°54	17°50	23°38	n.a.	W 8
T 9	18 50 17	11°22'01	26°14	5°18	14°21	17°23	16°43	8°18	13°40	29°34	11°24	18°51	17°46	23°45	n.a.	T 9
F 10	18 54 13	12°19'33	9♍30	6°43	15°33	18° 0	16°51	8°17	13°42	29°36	11°23	18°48	17°43	23°52	n.a.	F 10
S 11	18 58 10	13°17'06	22°22	8° 6	16°46	18°37	17° 0	8°15	13°44	29°38	11°22	18°45	17°40	23°58	n.a.	S 11
S 12	19 2 6	14°14'39	4♎53	9°28	17°58	19°15	17° 9	8°13	13°47	29°40	11°21	18°44	17°37	24° 5	n.a.	S 12
M13	19 6 3	15°12'14	17° 6	10°48	19°11	19°52	17°18	8°11	13°49	29°43	11°20	18°D43	17°34	24°12	n.a.	M13
T 14	19 9 59	16° 9'50	29° 7	12° 6	20°23	20°30	17°27	8°10	13°51	29°45	11°18	18°44	17°30	24°18	n.a.	T 14
W15	19 13 56	17° 7'27	10♏59	13°22	21°36	21° 8	17°36	8° 8	13°54	29°47	11°17	18°46	17°27	24°25	n.a.	W15
T 16	19 17 53	18° 5'05	22°48	14°35	22°49	21°46	17°45	8° 6	13°56	29°49	11°16	18°47	17°24	24°32	n.a.	T 16
F 17	19 21 49	19° 2'44	4♐38	15°47	24° 2	22°24	17°55	8° 3	13°59	29°51	11°15	18°49	17°21	24°38	n.a.	F 17
S 18	19 25 46	20° 0'24	16°33	16°57	25°14	23° 2	18° 4	8° 1	14° 1	29°54	11°14	18°R50	17°18	24°45	n.a.	S 18
S 19	19 29 42	20°58'06	28°37	18° 4	26°27	23°40	18°14	7°59	14° 4	29°56	11°13	18°49	17°15	24°52	n.a.	S 19
M20	19 33 39	21°55'50	10♑52	19°10	27°40	24°18	18°23	7°56	14° 7	29°58	11°12	18°47	17°11	24°58	n.a.	M20
T 21	19 37 35	22°53'34	23°21	20°12	28°53	24°57	18°33	7°54	14° 9	0♌ 0	11°11	18°44	17° 8	25° 5	n.a.	T 21
W22	19 41 32	23°51'21	6♒ 3	21°12	0♋ 6	25°35	18°43	7°51	14°12	0° 2	11°10	18°39	17° 5	25°12	n.a.	W22
T 23	19 45 28	24°49'08	18°59	22°10	1°19	26°14	18°53	7°48	14°15	0° 5	11° 9	18°33	17° 2	25°18	n.a.	T 23
F 24	19 49 25	25°46'58	2♓ 9	23° 5	2°32	26°52	19° 3	7°46	14°18	0° 7	11° 8	18°27	16°59	25°25	n.a.	F 24
S 25	19 53 22	26°44'49	15°33	23°56	3°46	27°31	19°13	7°43	14°20	0° 9	11° 7	18°21	16°56	25°32	n.a.	S 25
S 26	19 57 18	27°42'42	29° 8	24°45	4°59	28°10	19°23	7°40	14°23	0°11	11° 6	18°17	16°52	25°38	n.a.	S 26
M27	20 1 15	28°40'37	12♈55	25°30	6°12	28°49	19°34	7°37	14°26	0°14	11° 5	18°14	16°49	25°45	n.a.	M27
T 28	20 5 11	29°38'34	26°52	26°11	7°25	29°28	19°44	7°33	14°29	0°16	11° 4	18°D13	16°46	25°52	n.a.	T 28
W29	20 9 8	0♌36'33	10♉58	26°49	8°39	0♎ 8	19°55	7°30	14°32	0°18	11° 3	18°13	16°43	25°58	n.a.	W29
T 30	20 13 4	1°34'34	25°13	27°23	9°52	0°47	20° 5	7°27	14°35	0°20	11° 3	18°14	16°40	26° 5	n.a.	T 30
F 31	20 17 1	2♌32'37	9♊34	27♌52	11♋ 6	1♎27	20♍16	7♓24	14♍38	0♌22	11♐ 2	18♊16	16♊36	26♏12	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23n40	8n 5	3s57	23n 9	1n25	20n21	0s59	7n17	0n22	6n59	1n21	10s38	2s19	7n17	0n44	20n57	0n25	19s48	2n39	23n15	23n11	16s34			n.a.
T 2	23 38	13 43	2 57	22 46	1 19	20 37	0 57	7 2	0 21	6 55	1 21	10 39	2 19	7 16	0 44	20 57	0 25	19 48	2 39	23 15	23 11	16 37			n.a.
F 3	23 36	18 38	1 44	22 22	1 14	20 52	0 54	6 47	0 20	6 52	1 21	10 39	2 19	7 15	0 44	20 56	0 25	19 48	2 39	23 16	23 11	16 39			n.a.
S 4	23 33	22 25	0 24	21 57	1 7	21 6	0 52	6 32	0 19	6 49	1 21	10 40	2 19	7 15	0 44	20 56	0 25	19 48	2 39	23 16	23 11	16 42			n.a.
S 5	23 30	24 40	0n57	21 31	1 1	21 20	0 49	6 16	0 18	6 45	1 20	10 41	2 20	7 14	0 44	20 55	0 25	19 48	2 39	23 16	23 10	16 44			n.a.
M 6	23 27	25 11	2 14	21 5	0 54	21 33	0 46	6 1	0 16	6 42	1 20	10 41	2 20	7 13	0 44	20 55	0 25	19 48	2 39	23 15	23 10	16 47			n.a.
T 7	23 23	23 59	3 21	20 37	0 47	21 46	0 43	5 46	0 15	6 39	1 20	10 42	2 20	7 12	0 44	20 54	0 25	19 48	2 39	23 15	23 10	16 49			n.a.
W 8	23 18	21 17	4 14	20 9	0 39	21 58	0 41	5 30	0 14	6 35	1 20	10 43	2 20	7 11	0 44	20 54	0 25	19 48	2 38	23 15	23 9	16 51			n.a.
T 9	23 14	17 28	4 51	19 40	0 31	22 10	0 38	5 15	0 13	6 31	1 20	10 43	2 21	7 10	0 44	20 53	0 25	19 48	2 38	23 15	23 9	16 54			n.a.
F 10	23 9	12 53	5 11	19 11	0 23	22 21	0 35	4 59	0 12	6 28	1 19	10 44	2 21	7 10	0 44	20 53	0 25	19 48	2 38	23 15	23 9	16 56			n.a.
S 11	23 3	7 51	5 14	18 41	0 15	22 31	0 33	4 43	0 11	6 24	1 19	10 45	2 21	7 9	0 44	20 53	0 25	19 48	2 38	23 14	23 9	16 59			n.a.
S 12	22 57	2 39	5 2	18 11	0 6	22 41	0 30	4 28	0 10	6 21	1 19	10 46	2 22	7 8	0 44	20 52	0 25	19 48	2 38	23 14	23 8	17 1			n.a.
M13	22 51	2s32	4 37	17 41	0s 3	22 50	0 27	4 12	0 9	6 17	1 19	10 47	2 22	7 7	0 44	20 52	0 25	19 48	2 38	23 14	23 8	17 4			n.a.
T 14	22 44	7 33	4 0	17 10	0 12	22 58	0 24	3 56	0 8	6 13	1 19	10 48	2 22	7 6	0 44	20 51	0 25	19 48	2 38	23 14	23 8	17 6			n.a.
W15	22 37	12 15	3 13	16 40	0 22	23 6	0 21	3 40	0 7	6 9	1 18	10 49	2 22	7 5	0 44	20 51	0 25	19 48	2 37	23 14	23 7	17 8			n.a.
T 16	22 29	16 28	2 18	16 9	0 31	23 13	0 19	3 24	0 6	6 5	1 18	10 50	2 23	7 4	0 44	20 50	0 25	19 48	2 37	23 15	23 7	17 11			n.a.
F 17	22 21	20 3	1 17	15 38	0 41	23 19	0 16	3 8	0 5	6 2	1 18	10 51	2 23	7 3	0 44	20 50	0 25	19 48	2 37	23 15	23 7	17 13			n.a.
S 18	22 13	22 50	0 12	15 8	0 51	23 25	0 13	2 52	0 4	5 58	1 18	10 52	2 23	7 2	0 44	20 49	0 25	19 48	2 37	23 15	23 6	17 16			n.a.
S 19	22 4	24 36	0s53	14 37	1 1	23 30	0 10	2 36	0 3	5 54	1 18	10 53	2 23	7 1	0 44	20 49	0 25	19 48	2 37	23 15	23 6	17 18			n.a.
M20	21 55	25 13	1 58	14 7	1 11	23 34	0 8	2 20	0 2	5 50	1 17	10 54	2 24	7 0	0 44	20 48	0 25	19 48	2 37	23 15	23 6	17 21			n.a.
T 21	21 45	24 35	2 57	13 38	1 22	23 38	0 5	2 3	0 1	5 46	1 17	10 56	2 24	6 59	0 44	20 48	0 25	19 48	2 36	23 14	23 5	17 23			n.a.
W22	21 35	22 41	3 49	13 9	1 32	23 41	0 2	1 47	0 1	5 42	1 17	10 57	2 24	6 57	0 44	20 48	0 25	19 48	2 36	23 14	23 5	17 25			n.a.
T 23	21 25	19 35	4 30	12 40	1 43	23 43	0n 0	1 31	0s 0	5 38	1 17	10 58	2 24	6 56	0 44	20 47	0 25	19 48	2 36	23 13	23 5	17 28			n.a.
F 24	21 14	15 27	4 58	12 12	1 53	23 45	0 3	1 14	0 1	5 33	1 17	10 59	2 25	6 55	0 44	20 47	0 25	19 48	2 36	23 13	23 5	17 30			n.a.
S 25	21 3	10 31	5 10	11 45	2 4	23 46	0 6	0 58	0 2	5 29	1 17	11 1	2 25	6 54	0 44	20 46	0 25	19 48	2 36	23 12	23 4	17 33			n.a.
S 26	20 52	5 0	5 5	11 19	2 14	23 46	0 8	0 41	0 3	5 25	1 16	11 2	2 25	6 53	0 43	20 46	0 25	19 48	2 36	23 12	23 4	17 35			n.a.
M27	20 40	0n50	4 42	10 54	2 25	23 46	0 11	0 25	0 4	5 21	1 16	11 3	2 25	6 52	0 43	20 45	0 25	19 48	2 36	23 12	23 4	17 37			n.a.
T 28	20 28	6 42	4 3	10 30	2 35	23 44	0 14	0 8	0 5	5 16	1 16	11 5	2 25	6 51	0 43	20 45	0 25	19 48	2 35	23 12	23 3	17 40			n.a.
W29	20 15	12 19	3 8	10 8	2 45	23 42	0 16	0s 9	0 6	5 12	1 16	11 6	2 26	6 49	0 43	20 44	0 25	19 48	2 35	23 12	23 3	17 42			n.a.
T 30	20 3	17 19	2 2	9 47	2 55	23 40	0 19	0 25	0 7	5 8	1 16	11 8	2 26	6 48	0 43	20 44	0 25	19 48	2 35	23 12	23 3	17 44			n.a.
F 31	19n49	21n22	0s47	9n27	3s 5	23n36	0n21	0s42	0s 8	5n 3	1n16	11s 9	2s26	6n47	0n43	20n43	0n25	19s48	2n35	23n12	23n 2	17s47			n.a.

Julian Day Number = 1643440.5, Delta T = 03h35m05s
Ecliptic obliquity = 23°43'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°01'00, Lahiri = - 6°54'00 Julian Calendar 1 July 214 BCE == Greg. Calendar 27 June 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

AUGUST 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 20 57	3♌30'42	23♊58	28♌17	12♋19	2♎ 6	20♍27	7°R20	14♍41	0♌25	11°R 1	18°R16	16♊33	26♏18	n.a.	S 1
S 2	20 24 54	4°28'50	8♋22	28°38	13°33	2°46	20°37	7♓17	14°44	0°27	11♐ 0	18♊14	16°30	26°25	n.a.	S 2
M 3	20 28 51	5°26'59	22°41	28°53	14°47	3°26	20°48	7°13	14°47	0°29	11° 0	18°10	16°27	26°32	n.a.	M 3
T 4	20 32 47	6°25'10	6♌50	29° 2	16° 0	4° 6	20°59	7° 9	14°50	0°31	10°59	18° 4	16°24	26°38	n.a.	T 4
W 5	20 36 44	7°23'22	20°44	29°R 6	17°14	4°46	21°10	7° 6	14°54	0°34	10°58	17°57	16°21	26°45	n.a.	W 5
T 6	20 40 40	8°21'37	4♍19	29° 4	18°28	5°26	21°21	7° 2	14°57	0°36	10°57	17°48	16°17	26°52	n.a.	T 6
F 7	20 44 37	9°19'53	17°32	28°56	19°42	6° 6	21°33	6°58	15° 0	0°38	10°57	17°40	16°14	26°58	n.a.	F 7
S 8	20 48 33	10°18'11	0♎23	28°42	20°55	6°46	21°44	6°54	15° 3	0°40	10°56	17°32	16°11	27° 5	n.a.	S 8
S 9	20 52 30	11°16'31	12°54	28°21	22° 9	7°27	21°55	6°50	15° 7	0°42	10°56	17°27	16° 8	27°11	n.a.	S 9
M10	20 56 26	12°14'52	25° 8	27°54	23°23	8° 7	22° 7	6°46	15°10	0°45	10°55	17°23	16° 5	27°18	n.a.	M10
T 11	21 0 23	13°13'15	7♏ 8	27°20	24°37	8°48	22°18	6°42	15°13	0°47	10°55	17°21	16° 2	27°25	n.a.	T 11
W12	21 4 20	14°11'39	19° 0	26°39	25°51	9°29	22°30	6°38	15°17	0°49	10°54	17°D21	15°58	27°31	n.a.	W12
T 13	21 8 16	15°10'06	0♐49	25°53	27° 5	10° 9	22°41	6°33	15°20	0°51	10°54	17°22	15°55	27°38	n.a.	T 13
F 14	21 12 13	16° 8'34	12°40	25° 2	28°19	10°50	22°53	6°29	15°23	0°53	10°53	17°R23	15°52	27°45	n.a.	F 14
S 15	21 16 9	17° 7'04	24°38	24° 6	29°34	11°31	23° 5	6°25	15°27	0°56	10°53	17°22	15°49	27°51	n.a.	S 15
S 16	21 20 6	18° 5'36	6♑48	23° 7	0♌48	12°12	23°16	6°21	15°30	0°58	10°53	17°20	15°46	27°58	n.a.	S 16
M17	21 24 2	19° 4'09	19°13	22° 4	2° 2	12°53	23°28	6°16	15°34	1° 0	10°52	17°16	15°42	28° 5	n.a.	M17
T 18	21 27 59	20° 2'45	1♒56	21° 1	3°16	13°35	23°40	6°12	15°37	1° 2	10°52	17° 9	15°39	28°11	n.a.	T 18
W19	21 31 55	21° 1'22	14°57	19°58	4°31	14°16	23°52	6° 7	15°41	1° 4	10°52	17° 0	15°36	28°18	n.a.	W19
T 20	21 35 52	22° 0'02	28°17	18°57	5°45	14°58	24° 4	6° 3	15°44	1° 6	10°51	16°50	15°33	28°25	n.a.	T 20
F 21	21 39 49	22°58'43	11♓52	18° 0	6°59	15°39	24°16	5°58	15°48	1° 8	10°51	16°39	15°30	28°31	n.a.	F 21
S 22	21 43 45	23°57'27	25°41	17° 7	8°14	16°21	24°28	5°54	15°51	1°10	10°51	16°29	15°27	28°38	n.a.	S 22
S 23	21 47 42	24°56'13	9♈38	16°20	9°28	17° 2	24°41	5°49	15°55	1°12	10°51	16°20	15°23	28°45	n.a.	S 23
M24	21 51 38	25°55'01	23°42	15°41	10°43	17°44	24°53	5°44	15°59	1°15	10°51	16°14	15°20	28°51	n.a.	M24
T 25	21 55 35	26°53'51	7♉48	15°11	11°57	18°26	25° 5	5°40	16° 2	1°17	10°51	16°10	15°17	28°58	n.a.	T 25
W26	21 59 31	27°52'44	21°55	14°49	13°12	19° 8	25°17	5°35	16° 6	1°19	10°50	16° 9	15°14	29° 5	n.a.	W26
T 27	22 3 28	28°51'40	6♊ 2	14°38	14°26	19°50	25°30	5°30	16°10	1°21	10°50	16°D 9	15°11	29°11	n.a.	T 27
F 28	22 7 24	29°50'38	20° 7	14°D36	15°41	20°32	25°42	5°26	16°13	1°23	10°D50	16°R 9	15° 8	29°18	n.a.	F 28
S 29	22 11 21	0♍49'38	4♋10	14°45	16°56	21°14	25°55	5°21	16°17	1°25	10°50	16° 8	15° 4	29°25	n.a.	S 29
S 30	22 15 17	1°48'41	18° 9	15° 3	18°11	21°57	26° 7	5°16	16°21	1°27	10°51	16° 5	15° 1	29°31	n.a.	S 30
M31	22 19 14	2♍47'46	2♌ 2	15♌32	19♌25	22♎39	26♍20	5♓12	16♍24	1♌29	10♐51	15♊58	14♊58	29♏38	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n36	24n 6	0n31	9n10	3s15	23n32	0n24	0s59	0s 9	4n59	1n15	11s11	2s26	6n46	0n43	20n43	0n25	19s48	2n35	23n12	23n 2	17s49		n.a.
S 2	19 22	25 14	1 47	8 54	3 24	23 28	0 26	1 15	0 10	4 54	1 15	11 12	2 27	6 45	0 43	20 42	0 25	19 48	2 35	23 12	23 2	17 52		n.a.
M 3	19 8	24 40	2 55	8 41	3 33	23 22	0 29	1 32	0 10	4 50	1 15	11 14	2 27	6 43	0 43	20 42	0 25	19 49	2 34	23 11	23 1	17 54		n.a.
T 4	18 53	22 31	3 52	8 29	3 41	23 16	0 31	1 49	0 11	4 45	1 15	11 15	2 27	6 42	0 43	20 41	0 25	19 49	2 34	23 11	23 1	17 56		n.a.
W 5	18 38	19 3	4 33	8 21	3 49	23 9	0 34	2 6	0 12	4 41	1 15	11 17	2 27	6 41	0 43	20 41	0 25	19 49	2 34	23 10	23 1	17 59		n.a.
T 6	18 23	14 40	4 58	8 15	3 56	23 2	0 36	2 23	0 13	4 36	1 15	11 18	2 27	6 40	0 43	20 40	0 25	19 49	2 34	23 9	23 0	18 1		n.a.
F 7	18 8	9 41	5 7	8 12	4 2	22 53	0 38	2 40	0 14	4 32	1 14	11 20	2 27	6 38	0 43	20 40	0 25	19 49	2 34	23 9	23 0	18 3		n.a.
S 8	17 52	4 25	4 59	8 13	4 7	22 44	0 41	2 57	0 15	4 27	1 14	11 22	2 28	6 37	0 43	20 40	0 25	19 49	2 34	23 8	23 0	18 6		n.a.
S 9	17 36	0s54	4 37	8 16	4 11	22 35	0 43	3 14	0 16	4 22	1 14	11 23	2 28	6 36	0 43	20 39	0 25	19 49	2 33	23 7	22 59	18 8		n.a.
M10	17 20	6 4	4 3	8 23	4 13	22 24	0 45	3 30	0 16	4 18	1 14	11 25	2 28	6 34	0 43	20 39	0 26	19 49	2 33	23 7	22 59	18 10		n.a.
T 11	17 3	10 56	3 19	8 34	4 14	22 13	0 47	3 47	0 17	4 13	1 14	11 27	2 28	6 33	0 43	20 38	0 26	19 49	2 33	23 7	22 59	18 13		n.a.
W12	16 46	15 20	2 26	8 48	4 14	22 2	0 49	4 4	0 18	4 8	1 14	11 28	2 28	6 32	0 43	20 38	0 26	19 49	2 33	23 7	22 58	18 15		n.a.
T 13	16 29	19 8	1 28	9 5	4 12	21 49	0 51	4 21	0 19	4 4	1 14	11 30	2 28	6 30	0 43	20 37	0 26	19 49	2 33	23 7	22 58	18 17		n.a.
F 14	16 11	22 10	0 25	9 26	4 8	21 36	0 53	4 38	0 20	3 59	1 13	11 32	2 29	6 29	0 43	20 37	0 26	19 50	2 32	23 7	22 58	18 20		n.a.
S 15	15 53	24 15	0s39	9 51	4 2	21 23	0 55	4 55	0 20	3 54	1 13	11 34	2 29	6 28	0 43	20 36	0 26	19 50	2 32	23 7	22 57	18 22		n.a.
S 16	15 35	25 15	1 42	10 18	3 54	21 9	0 57	5 12	0 21	3 49	1 13	11 35	2 29	6 26	0 43	20 36	0 26	19 50	2 32	23 7	22 57	18 24		n.a.
M17	15 17	24 59	2 42	10 47	3 44	20 54	0 59	5 29	0 22	3 44	1 13	11 37	2 29	6 25	0 43	20 35	0 26	19 50	2 32	23 6	22 57	18 27		n.a.
T 18	14 58	23 26	3 34	11 19	3 32	20 38	1 1	5 46	0 23	3 39	1 13	11 39	2 29	6 23	0 43	20 35	0 26	19 50	2 32	23 6	22 56	18 29		n.a.
W19	14 39	20 38	4 17	11 52	3 18	20 22	1 2	6 3	0 24	3 35	1 13	11 41	2 29	6 22	0 43	20 34	0 26	19 50	2 32	23 5	22 56	18 31		n.a.
T 20	14 20	16 41	4 47	12 25	3 3	20 5	1 4	6 20	0 24	3 30	1 13	11 43	2 29	6 21	0 43	20 34	0 26	19 50	2 31	23 4	22 56	18 34		n.a.
F 21	14 1	11 49	5 2	12 59	2 46	19 48	1 6	6 37	0 25	3 25	1 13	11 44	2 30	6 19	0 43	20 34	0 26	19 50	2 31	23 3	22 55	18 36		n.a.
S 22	13 42	6 18	4 59	13 32	2 28	19 30	1 7	6 54	0 26	3 20	1 13	11 46	2 30	6 18	0 43	20 33	0 26	19 51	2 31	23 2	22 55	18 38		n.a.
S 23	13 22	0 24	4 38	14 4	2 9	19 12	1 9	7 11	0 27	3 15	1 12	11 48	2 30	6 16	0 43	20 33	0 26	19 51	2 31	23 1	22 55	18 40		n.a.
M24	13 2	5n35	4 1	14 35	1 50	18 53	1 10	7 28	0 28	3 10	1 12	11 50	2 30	6 15	0 43	20 32	0 26	19 51	2 31	23 0	22 54	18 43		n.a.
T 25	12 42	11 18	3 9	15 3	1 30	18 33	1 12	7 45	0 28	3 5	1 12	11 52	2 30	6 14	0 43	20 32	0 26	19 51	2 31	23 0	22 54	18 45		n.a.
W26	12 21	16 27	2 5	15 28	1 10	18 13	1 13	8 1	0 29	3 0	1 12	11 54	2 30	6 12	0 43	20 31	0 26	19 51	2 30	22 59	22 54	18 47		n.a.
T 27	12 0	20 41	0 53	15 50	0 51	17 52	1 14	8 18	0 30	2 55	1 12	11 55	2 30	6 11	0 43	20 31	0 26	19 51	2 30	22 59	22 53	18 50		n.a.
F 28	11 40	23 42	0n21	16 8	0 32	17 31	1 15	8 35	0 30	2 49	1 12	11 57	2 30	6 9	0 43	20 30	0 26	19 52	2 30	23 0	22 53	18 52		n.a.
S 29	11 19	25 13	1 34	16 23	0 14	17 10	1 17	8 52	0 31	2 44	1 12	11 59	2 30	6 8	0 43	20 30	0 26	19 52	2 30	22 59	22 52	18 54		n.a.
S 30	10 57	25 8	2 41	16 33	0n 3	16 48	1 18	9 8	0 32	2 39	1 12	12 1	2 30	6 6	0 43	20 30	0 26	19 52	2 30	22 59	22 52	18 56		n.a.
M31	10n36	23n28	3n38	16n40	0n19	16n25	1n19	9s25	0s33	2n34	1n12	12s 3	2s30	6n 5	0n43	20n29	0n26	19s52	2n30	22n58	22n52	18s59		n.a.

Julian Day Number = 1643471.5, Delta T = 03h35m04s
Ecliptic obliquity = 23°43'18, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'56, Lahiri = - 6°53'55 Julian Calendar 1 Aug. 214 BCE == Greg. Calendar 28 July 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

SEPTEMBER 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 23 11	3♍46'53	15♌47	16♌ 9	20♌40	23♎22	26♍32	5°R 7	16♍28	1♌31	10♐51	15°R49	14♊55	29♏44	n.a.	T 1
W 2	22 27 7	4°46'03	29°20	16°56	21°55	24° 4	26°45	5♓ 2	16°32	1°33	10°51	15♊38	14°52	29°51	n.a.	W 2
T 3	22 31 4	5°45'15	12♍38	17°50	23°10	24°47	26°58	4°57	16°35	1°35	10°51	15°25	14°48	29°58	n.a.	T 3
F 4	22 35 0	6°44'28	25°40	18°52	24°25	25°30	27°10	4°53	16°39	1°36	10°51	15°12	14°45	0♐ 4	n.a.	F 4
S 5	22 38 57	7°43'44	8♎24	20° 1	25°40	26°12	27°23	4°48	16°43	1°38	10°51	15° 0	14°42	0°11	n.a.	S 5
S 6	22 42 53	8°43'02	20°50	21°16	26°55	26°55	27°36	4°43	16°47	1°40	10°52	14°51	14°39	0°18	n.a.	S 6
M 7	22 46 50	9°42'22	3♏ 1	22°36	28°10	27°38	27°49	4°38	16°51	1°42	10°52	14°43	14°36	0°24	n.a.	M 7
T 8	22 50 46	10°41'44	15° 0	24° 1	29°24	28°21	28° 1	4°34	16°54	1°44	10°52	14°39	14°33	0°31	n.a.	T 8
W 9	22 54 43	11°41'07	26°51	25°29	0♍40	29° 5	28°14	4°29	16°58	1°46	10°53	14°37	14°29	0°38	n.a.	W 9
T 10	22 58 40	12°40'33	8♐38	27° 1	1°55	29°48	28°27	4°24	17° 2	1°47	10°53	14°36	14°26	0°44	n.a.	T 10
F 11	23 2 36	13°40'00	20°29	28°36	3°10	0♏31	28°40	4°20	17° 6	1°49	10°54	14°36	14°23	0°51	n.a.	F 11
S 12	23 6 33	14°39'30	2♑27	0♍12	4°25	1°14	28°53	4°15	17° 9	1°51	10°54	14°36	14°20	0°58	n.a.	S 12
S 13	23 10 29	15°39'01	14°39	1°51	5°40	1°58	29° 6	4°10	17°13	1°53	10°54	14°33	14°17	1° 4	n.a.	S 13
M14	23 14 26	16°38'34	27° 8	3°31	6°55	2°41	29°19	4° 6	17°17	1°54	10°55	14°28	14°13	1°11	n.a.	M14
T 15	23 18 22	17°38'09	10♒ 0	5°12	8°10	3°25	29°32	4° 1	17°21	1°56	10°56	14°21	14°10	1°18	n.a.	T 15
W16	23 22 19	18°37'46	23°14	6°55	9°25	4° 9	29°45	3°57	17°25	1°58	10°56	14°11	14° 7	1°24	n.a.	W16
T 17	23 26 15	19°37'25	6♓52	8°37	10°40	4°52	29°58	3°52	17°28	1°59	10°57	13°59	14° 4	1°31	n.a.	T 17
F 18	23 30 12	20°37'06	20°51	10°20	11°56	5°36	0♎11	3°48	17°32	2° 1	10°57	13°47	14° 1	1°38	n.a.	F 18
S 19	23 34 8	21°36'49	5♈ 6	12° 3	13°11	6°20	0°24	3°43	17°36	2° 3	10°58	13°35	13°58	1°44	n.a.	S 19
S 20	23 38 5	22°36'34	19°31	13°46	14°26	7° 4	0°37	3°39	17°40	2° 4	10°59	13°25	13°54	1°51	n.a.	S 20
M21	23 42 2	23°36'22	3♉59	15°30	15°41	7°48	0°51	3°35	17°43	2° 6	10°59	13°18	13°51	1°57	n.a.	M21
T 22	23 45 58	24°36'11	18°26	17°12	16°57	8°32	1° 4	3°30	17°47	2° 7	11° 0	13°13	13°48	2° 4	n.a.	T 22
W23	23 49 55	25°36'03	2♊47	18°55	18°12	9°16	1°17	3°26	17°51	2° 9	11° 1	13°12	13°45	2°11	n.a.	W23
T 24	23 53 51	26°35'58	16°59	20°37	19°27	10° 1	1°30	3°22	17°55	2°10	11° 2	13°D11	13°42	2°17	n.a.	T 24
F 25	23 57 48	27°35'55	1♋ 1	22°19	20°43	10°45	1°43	3°18	17°59	2°12	11° 3	13°R11	13°39	2°24	n.a.	F 25
S 26	0 1 44	28°35'54	14°52	24° 1	21°58	11°29	1°56	3°14	18° 2	2°13	11° 4	13°10	13°35	2°31	n.a.	S 26
S 27	0 5 41	29°35'56	28°33	25°42	23°13	12°14	2°10	3°10	18° 6	2°15	11° 4	13° 7	13°32	2°37	n.a.	S 27
M28	0 9 37	0♎35'59	12♌ 4	27°22	24°29	12°58	2°23	3° 6	18°10	2°16	11° 5	13° 2	13°29	2°44	n.a.	M28
T 29	0 13 34	1°36'05	25°24	29° 3	25°44	13°43	2°36	3° 2	18°13	2°17	11° 6	12°53	13°26	2°51	n.a.	T 29
W30	0 17 31	2♎36'13	8♍33	0♎42	27♍ 0	14♏28	2♎49	2♓58	18♍17	2♌19	11♐ 7	12♊42	13♊23	2♐57	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n14	20n26	4n21	16n43	0n34	16n 2	1n20	9s42	0s33	2n29	1n12	12s 5	2s30	6n 3	0n43	20n29	0n26	19s52	2n29	22n57	22n51	19s 1		n.a.
W 2	9 53	16 20	4 49	16 42	0 47	15 38	1 21	9 58	0 34	2 24	1 11	12 6	2 31	6 2	0 43	20 28	0 26	19 52	2 29	22 56	22 51	19 3		n.a.
T 3	9 31	11 30	5 0	16 37	1 0	15 14	1 21	10 15	0 35	2 19	1 11	12 8	2 31	6 0	0 43	20 28	0 26	19 53	2 29	22 55	22 51	19 5		n.a.
F 4	9 8	6 15	4 56	16 28	1 11	14 50	1 22	10 31	0 35	2 14	1 11	12 10	2 31	5 59	0 43	20 27	0 26	19 53	2 29	22 53	22 50	19 8		n.a.
S 5	8 46	0 51	4 36	16 15	1 20	14 25	1 23	10 48	0 36	2 8	1 11	12 12	2 31	5 57	0 43	20 27	0 26	19 53	2 29	22 52	22 50	19 10		n.a.
S 6	8 24	4s28	4 4	15 59	1 29	14 0	1 24	11 4	0 37	2 3	1 11	12 14	2 31	5 56	0 43	20 27	0 26	19 53	2 28	22 51	22 50	19 12		n.a.
M 7	8 1	9 31	3 21	15 39	1 36	13 34	1 24	11 20	0 37	1 58	1 11	12 15	2 31	5 55	0 43	20 26	0 26	19 54	2 28	22 50	22 49	19 14		n.a.
T 8	7 39	14 8	2 30	15 17	1 42	13 8	1 25	11 36	0 38	1 53	1 11	12 17	2 31	5 53	0 43	20 26	0 26	19 54	2 28	22 50	22 49	19 17		n.a.
W 9	7 16	18 11	1 33	14 51	1 47	12 42	1 25	11 53	0 39	1 47	1 11	12 19	2 31	5 52	0 43	20 25	0 26	19 54	2 28	22 49	22 48	19 19		n.a.
T 10	6 53	21 29	0 32	14 23	1 51	12 15	1 26	12 9	0 39	1 42	1 11	12 21	2 31	5 50	0 43	20 25	0 26	19 54	2 28	22 49	22 48	19 21		n.a.
F 11	6 30	23 54	0s31	13 53	1 54	11 48	1 26	12 25	0 40	1 37	1 11	12 22	2 31	5 49	0 43	20 25	0 26	19 54	2 28	22 49	22 48	19 23		n.a.
S 12	6 7	25 15	1 33	13 20	1 56	11 20	1 26	12 41	0 41	1 32	1 11	12 24	2 31	5 47	0 43	20 24	0 26	19 55	2 27	22 49	22 47	19 26		n.a.
S 13	5 43	25 25	2 32	12 45	1 57	10 53	1 26	12 57	0 41	1 26	1 11	12 26	2 31	5 46	0 43	20 24	0 26	19 55	2 27	22 49	22 47	19 28		n.a.
M14	5 20	24 19	3 25	12 9	1 57	10 25	1 26	13 12	0 42	1 21	1 11	12 27	2 31	5 44	0 43	20 24	0 26	19 55	2 27	22 48	22 47	19 30		n.a.
T 15	4 56	21 56	4 9	11 31	1 57	9 56	1 26	13 28	0 43	1 16	1 11	12 29	2 31	5 43	0 43	20 23	0 26	19 55	2 27	22 48	22 46	19 32		n.a.
W16	4 33	18 21	4 41	10 52	1 56	9 28	1 26	13 44	0 43	1 10	1 10	12 31	2 31	5 41	0 43	20 23	0 26	19 56	2 27	22 46	22 46	19 34		n.a.
T 17	4 9	13 42	4 58	10 11	1 54	8 59	1 26	13 59	0 44	1 5	1 10	12 32	2 31	5 40	0 43	20 23	0 26	19 56	2 27	22 45	22 45	19 37		n.a.
F 18	3 46	8 14	4 58	9 30	1 52	8 30	1 26	14 15	0 44	1 0	1 10	12 34	2 31	5 38	0 43	20 22	0 26	19 56	2 26	22 43	22 45	19 39		n.a.
S 19	3 22	2 14	4 40	8 48	1 49	8 0	1 26	14 30	0 45	0 55	1 10	12 36	2 31	5 37	0 43	20 22	0 26	19 56	2 26	22 42	22 45	19 41		n.a.
S 20	2 58	3n58	4 4	8 4	1 45	7 31	1 26	14 45	0 46	0 49	1 10	12 37	2 30	5 35	0 43	20 22	0 26	19 57	2 26	22 41	22 44	19 43		n.a.
M21	2 34	10 0	3 11	7 21	1 42	7 1	1 25	15 0	0 46	0 44	1 10	12 39	2 30	5 34	0 43	20 21	0 26	19 57	2 26	22 40	22 44	19 45		n.a.
T 22	2 10	15 29	2 7	6 36	1 38	6 31	1 25	15 15	0 47	0 39	1 10	12 40	2 30	5 32	0 43	20 21	0 26	19 57	2 26	22 39	22 44	19 48		n.a.
W23	1 46	20 4	0 55	5 52	1 33	6 1	1 24	15 30	0 47	0 33	1 10	12 42	2 30	5 31	0 43	20 21	0 26	19 58	2 25	22 39	22 43	19 50		n.a.
T 24	1 22	23 25	0n20	5 7	1 29	5 30	1 24	15 45	0 48	0 28	1 10	12 43	2 30	5 29	0 43	20 20	0 26	19 58	2 25	22 39	22 43	19 52		n.a.
F 25	0 58	25 16	1 33	4 22	1 24	5 0	1 23	15 59	0 48	0 23	1 10	12 45	2 30	5 28	0 43	20 20	0 26	19 58	2 25	22 39	22 42	19 54		n.a.
S 26	0 34	25 31	2 40	3 36	1 18	4 29	1 23	16 14	0 49	0 17	1 10	12 46	2 30	5 26	0 43	20 20	0 26	19 58	2 25	22 39	22 42	19 56		n.a.
S 27	0 10	24 13	3 36	2 51	1 13	3 58	1 22	16 28	0 50	0 12	1 10	12 47	2 30	5 25	0 43	20 19	0 26	19 59	2 25	22 39	22 42	19 58		n.a.
M28	0s14	21 31	4 19	2 5	1 7	3 27	1 21	16 43	0 50	0 7	1 10	12 49	2 30	5 23	0 43	20 19	0 26	19 59	2 25	22 38	22 41	20 1		n.a.
T 29	0 39	17 43	4 48	1 19	1 1	2 56	1 20	16 57	0 51	0 1	1 10	12 50	2 30	5 22	0 43	20 19	0 27	19 59	2 24	22 37	22 41	20 3		n.a.
W30	1s 3	13n 6	5n 1	0n34	0n55	2n25	1n19	17s11	0s51	0s 4	1n10	12s51	2s30	5n20	0n43	20n18	0n27	20s 0	2n24	22n35	22n40	20s 5		n.a.

Julian Day Number = 1643502.5, Delta T = 03h35m03s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'52, Lahiri = - 6°53'51 Julian Calendar 1 Sept. 214 BCE == Greg. Calendar 28 Aug. 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

OCTOBER 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 21 27	3♎36'23	21♍30	2♎21	28♍15	15♏12	3♎ 2	2°R54	18♍21	2♑20	11♐ 8	12°R30	13♊19	3♐ 4	n.a.	T 1
F 2	0 25 24	4°36'35	4♎14	4° 0	29°30	15°57	3°16	2♓51	18°25	2°21	11° 9	12♊17	13°16	3°11	n.a.	F 2
S 3	0 29 20	5°36'49	16°44	5°38	0♎46	16°42	3°29	2°47	18°28	2°22	11°10	12° 6	13°13	3°17	n.a.	S 3
S 4	0 33 17	6°37'05	29° 1	7°16	2° 1	17°27	3°42	2°44	18°32	2°24	11°12	11°56	13°10	3°24	n.a.	S 4
M 5	0 37 13	7°37'22	11♏ 6	8°54	3°17	18°12	3°55	2°40	18°36	2°25	11°13	11°49	13° 7	3°31	n.a.	M 5
T 6	0 41 10	8°37'41	23° 1	10°30	4°32	18°57	4° 8	2°37	18°39	2°26	11°14	11°44	13° 4	3°37	n.a.	T 6
W 7	0 45 6	9°38'02	4♐49	12° 7	5°48	19°42	4°22	2°33	18°43	2°27	11°15	11°42	13° 0	3°44	n.a.	W 7
T 8	0 49 3	10°38'25	16°36	13°43	7° 3	20°27	4°35	2°30	18°46	2°28	11°16	11°D42	12°57	3°50	n.a.	T 8
F 9	0 53 0	11°38'49	28°24	15°19	8°19	21°12	4°48	2°27	18°50	2°29	11°17	11°43	12°54	3°57	n.a.	F 9
S 10	0 56 56	12°39'15	10♉20	16°54	9°34	21°58	5° 1	2°24	18°54	2°30	11°19	11°R44	12°51	4° 4	n.a.	S 10
S 11	1 0 53	13°39'42	22°30	18°29	10°50	22°43	5°14	2°21	18°57	2°31	11°20	11°43	12°48	4°10	n.a.	S 11
M12	1 4 49	14°40'11	4♒57	20° 3	12° 5	23°28	5°28	2°18	19° 1	2°32	11°21	11°41	12°45	4°17	n.a.	M12
T 13	1 8 46	15°40'41	17°48	21°38	13°21	24°14	5°41	2°15	19° 4	2°33	11°23	11°36	12°41	4°24	n.a.	T 13
W14	1 12 42	16°41'12	1♓ 6	23°12	14°36	24°59	5°54	2°13	19° 8	2°34	11°24	11°30	12°38	4°30	n.a.	W14
T 15	1 16 39	17°41'45	14°50	24°45	15°52	25°45	6° 7	2°10	19°11	2°35	11°25	11°22	12°35	4°37	n.a.	T 15
F 16	1 20 35	18°42'19	29° 1	26°19	17° 7	26°31	6°20	2° 8	19°14	2°36	11°27	11°13	12°32	4°44	n.a.	F 16
S 17	1 24 32	19°42'55	13♈33	27°52	18°23	27°16	6°33	2° 5	19°18	2°36	11°28	11° 4	12°29	4°50	n.a.	S 17
S 18	1 28 28	20°43'33	28°21	29°24	19°38	28° 2	6°46	2° 3	19°21	2°37	11°30	10°57	12°25	4°57	n.a.	S 18
M19	1 32 25	21°44'12	13♉15	0♏57	20°54	28°48	6°59	2° 1	19°25	2°38	11°31	10°52	12°22	5° 4	n.a.	M19
T 20	1 36 22	22°44'52	28° 8	2°29	22° 9	29°34	7°12	1°59	19°28	2°39	11°33	10°49	12°19	5°10	n.a.	T 20
W21	1 40 18	23°45'35	12♊52	4° 2	23°25	0♐19	7°25	1°56	19°31	2°39	11°34	10°D48	12°16	5°17	n.a.	W21
T 22	1 44 15	24°46'19	27°21	5°33	24°41	1° 5	7°38	1°55	19°35	2°40	11°36	10°49	12°13	5°24	n.a.	T 22
F 23	1 48 11	25°47'05	11♋34	7° 5	25°56	1°51	7°51	1°53	19°38	2°40	11°37	10°50	12°10	5°30	n.a.	F 23
S 24	1 52 8	26°47'53	25°27	8°37	27°12	2°37	8° 4	1°51	19°41	2°41	11°39	10°R51	12° 6	5°37	n.a.	S 24
S 25	1 56 4	27°48'42	9♌ 3	10° 8	28°27	3°23	8°17	1°49	19°44	2°42	11°40	10°50	12° 3	5°43	n.a.	S 25
M26	2 0 1	28°49'33	22°21	11°39	29°43	4° 9	8°29	1°48	19°47	2°42	11°42	10°48	12° 0	5°50	n.a.	M26
T 27	2 3 58	29°50'25	5♍25	13° 9	0♏58	4°56	8°42	1°46	19°51	2°42	11°44	10°44	11°57	5°57	n.a.	T 27
W28	2 7 54	0♏51'19	18°14	14°40	2°14	5°42	8°55	1°45	19°54	2°43	11°45	10°37	11°54	6° 3	n.a.	W28
T 29	2 11 51	1°52'15	0♎50	16°10	3°29	6°28	9° 8	1°44	19°57	2°43	11°47	10°30	11°50	6°10	n.a.	T 29
F 30	2 15 47	2°53'11	13°15	17°40	4°45	7°14	9°20	1°43	20° 0	2°44	11°49	10°23	11°47	6°17	n.a.	F 30
S 31	2 19 44	3♏54'09	25♎30	19♏ 9	6♏ 0	8♐ 1	9♎33	1♓42	20♍ 3	2♑44	11♐50	10♊16	11♊44	6♐23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	1s27	7n58	4n58	0s12	0n49	1n54	1n18	17s25	0s52	0s 9	1n10	12s53	2s30	5n19	0n43	20n18	0n27	20s 0	2n24	22n34	22n40	20s 7			n.a.
F 2	1 51	2 35	4 40	0 57	0 43	1 23	1 17	17 38	0 52	0 15	1 10	12 54	2 30	5 17	0 43	20 18	0 27	20 0	2 24	22 32	22 40	20 9			n.a.
S 3	2 15	2s49	4 9	1 42	0 37	0 51	1 16	17 52	0 53	0 20	1 10	12 55	2 29	5 16	0 43	20 18	0 27	20 1	2 24	22 30	22 39	20 11			n.a.
S 4	2 39	8 2	3 27	2 27	0 30	0 20	1 15	18 5	0 53	0 25	1 10	12 56	2 29	5 14	0 43	20 17	0 27	20 1	2 24	22 29	22 39	20 13			n.a.
M 5	3 4	12 52	2 36	3 12	0 24	0s11	1 14	18 19	0 54	0 31	1 10	12 58	2 29	5 13	0 43	20 17	0 27	20 1	2 23	22 28	22 38	20 16			n.a.
T 6	3 28	17 10	1 38	3 57	0 17	0 43	1 13	18 32	0 54	0 36	1 10	12 59	2 29	5 12	0 43	20 17	0 27	20 1	2 23	22 28	22 38	20 18			n.a.
W 7	3 52	20 45	0 37	4 41	0 11	1 14	1 11	18 45	0 55	0 41	1 10	13 0	2 29	5 10	0 43	20 17	0 27	20 2	2 23	22 27	22 38	20 20			n.a.
T 8	4 16	23 28	0s26	5 25	0 4	1 46	1 10	18 57	0 55	0 47	1 10	13 1	2 29	5 9	0 43	20 17	0 27	20 2	2 23	22 27	22 37	20 22			n.a.
F 9	4 40	25 11	1 28	6 8	0s 2	2 17	1 9	19 10	0 56	0 52	1 10	13 2	2 29	5 7	0 43	20 16	0 27	20 2	2 23	22 27	22 37	20 24			n.a.
S 10	5 3	25 46	2 27	6 51	0 9	2 49	1 7	19 22	0 56	0 57	1 10	13 3	2 28	5 6	0 43	20 16	0 27	20 3	2 23	22 27	22 36	20 26			n.a.
S 11	5 27	25 7	3 21	7 34	0 16	3 20	1 6	19 35	0 56	1 2	1 10	13 4	2 28	5 5	0 43	20 16	0 27	20 3	2 23	22 27	22 36	20 28			n.a.
M12	5 51	23 14	4 6	8 16	0 22	3 51	1 4	19 47	0 57	1 8	1 10	13 5	2 28	5 3	0 43	20 16	0 27	20 3	2 22	22 27	22 36	20 30			n.a.
T 13	6 14	20 7	4 41	8 58	0 29	4 22	1 2	19 59	0 57	1 13	1 10	13 6	2 28	5 2	0 43	20 15	0 27	20 4	2 22	22 27	22 35	20 32			n.a.
W14	6 38	15 54	5 1	9 40	0 35	4 53	1 1	20 10	0 58	1 18	1 10	13 6	2 28	5 0	0 43	20 15	0 27	20 4	2 22	22 26	22 35	20 35			n.a.
T 15	7 1	10 44	5 6	10 20	0 42	5 24	0 59	20 22	0 58	1 23	1 10	13 7	2 28	4 59	0 43	20 15	0 27	20 4	2 22	22 24	22 34	20 37			n.a.
F 16	7 25	4 51	4 52	11 1	0 48	5 55	0 57	20 33	0 59	1 29	1 10	13 8	2 28	4 58	0 43	20 15	0 27	20 5	2 22	22 23	22 34	20 39			n.a.
S 17	7 48	1n26	4 19	11 41	0 54	6 26	0 55	20 44	0 59	1 34	1 10	13 9	2 27	4 56	0 43	20 15	0 27	20 5	2 22	22 22	22 34	20 41			n.a.
S 18	8 11	7 46	3 28	12 20	1 0	6 57	0 54	20 55	0 59	1 39	1 10	13 9	2 27	4 55	0 43	20 15	0 27	20 6	2 21	22 21	22 33	20 43			n.a.
M19	8 34	13 44	2 23	12 58	1 6	7 27	0 52	21 6	1 0	1 44	1 10	13 10	2 27	4 54	0 43	20 15	0 27	20 6	2 21	22 20	22 33	20 45			n.a.
T 20	8 57	18 52	1 8	13 36	1 12	7 57	0 50	21 16	1 0	1 49	1 10	13 11	2 27	4 52	0 43	20 14	0 27	20 6	2 21	22 20	22 32	20 47			n.a.
W21	9 20	22 48	0n11	14 14	1 18	8 28	0 48	21 27	1 1	1 54	1 10	13 11	2 27	4 51	0 43	20 14	0 27	20 7	2 21	22 20	22 32	20 49			n.a.
T 22	9 42	25 10	1 28	14 50	1 24	8 57	0 46	21 37	1 1	2 0	1 10	13 12	2 27	4 50	0 43	20 14	0 27	20 7	2 21	22 20	22 31	20 51			n.a.
F 23	10 5	25 51	2 39	15 26	1 29	9 27	0 44	21 47	1 1	2 5	1 10	13 12	2 26	4 49	0 43	20 14	0 27	20 7	2 21	22 20	22 31	20 53			n.a.
S 24	10 27	24 52	3 38	16 2	1 34	9 57	0 42	21 56	1 2	2 10	1 10	13 13	2 26	4 47	0 43	20 14	0 27	20 8	2 21	22 20	22 31	20 55			n.a.
S 25	10 49	22 26	4 24	16 36	1 40	10 26	0 40	22 6	1 2	2 15	1 10	13 13	2 26	4 46	0 43	20 14	0 27	20 8	2 20	22 20	22 30	20 57			n.a.
M26	11 11	18 51	4 54	17 10	1 44	10 55	0 38	22 15	1 2	2 20	1 10	13 13	2 26	4 45	0 43	20 14	0 27	20 8	2 20	22 20	22 30	20 59			n.a.
T 27	11 33	14 24	5 9	17 42	1 49	11 24	0 36	22 24	1 3	2 25	1 10	13 14	2 26	4 44	0 43	20 14	0 27	20 9	2 20	22 19	22 29	21 1			n.a.
W28	11 54	9 24	5 7	18 14	1 54	11 52	0 33	22 33	1 3	2 30	1 10	13 14	2 25	4 42	0 43	20 14	0 27	20 9	2 20	22 18	22 29	21 3			n.a.
T 29	12 16	4 6	4 51	18 45	1 58	12 20	0 31	22 41	1 3	2 35	1 10	13 14	2 25	4 41	0 43	20 14	0 27	20 9	2 20	22 17	22 28	21 5			n.a.
F 30	12 37	1s18	4 21	19 15	2 2	12 48	0 29	22 49	1 4	2 40	1 10	13 15	2 25	4 40	0 43	20 13	0 27	20 10	2 20	22 16	22 28	21 7			n.a.
S 31	12s58	6s34	3n39	19s44	2s 6	13s16	0n27	22s57	1s 4	2s45	1n10	13s15	2s25	4n39	0n43	20n13	0n27	20s10	2n20	22n15	22n28	21s 9			n.a.

Julian Day Number = 1643532.5, Delta T = 03h35m02s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'48, Lahiri = - 6°53'47 Julian Calendar 1 Oct. 214 BCE == Greg. Calendar 27 Sept. 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

NOVEMBER 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 23 40	4♏55'09	7♏35	20♏38	7♏16	8♐47	9♎46	1°R41	20♍ 6	2♌44	11♐52	10°R11	11♊41	6♐30	n.a.	S 1
M 2	2 27 37	5°56'09	19°32	22° 7	8°32	9°34	9°58	1♓40	20° 9	2°45	11°54	10♊ 7	11°38	6°37	n.a.	M 2
T 3	2 31 33	6°57'11	1♐23	23°35	9°47	10°20	10°11	1°40	20°12	2°45	11°56	10° 5	11°35	6°43	n.a.	T 3
W 4	2 35 30	7°58'13	13° 9	25° 2	11° 3	11° 6	10°23	1°39	20°15	2°45	11°58	10°D 4	11°31	6°50	n.a.	W 4
T 5	2 39 27	8°59'16	24°55	26°29	12°18	11°53	10°36	1°39	20°17	2°45	11°59	10° 5	11°28	6°57	n.a.	T 5
F 6	2 43 23	10° 0'21	6♑44	27°54	13°34	12°40	10°48	1°38	20°20	2°45	12° 1	10° 7	11°25	7° 3	n.a.	F 6
S 7	2 47 20	11° 1'26	18°40	29°19	14°49	13°26	11° 0	1°38	20°23	2°45	12° 3	10° 9	11°22	7°10	n.a.	S 7
S 8	2 51 16	12° 2'31	0♒47	0♐42	16° 5	14°13	11°13	1°D38	20°26	2°45	12° 5	10°10	11°19	7°16	n.a.	S 8
M 9	2 55 13	13° 3'37	13°11	2° 4	17°20	15° 0	11°25	1°38	20°28	2°R45	12° 7	10°R11	11°16	7°23	n.a.	M 9
T 10	2 59 9	14° 4'44	25°56	3°25	18°36	15°46	11°37	1°38	20°31	2°45	12° 9	10°10	11°12	7°30	n.a.	T 10
W11	3 3 6	15° 5'51	9♓ 6	4°43	19°51	16°33	11°49	1°38	20°34	2°45	12°11	10° 8	11° 9	7°36	n.a.	W11
T 12	3 7 2	16° 6'59	22°44	6° 0	21° 7	17°20	12° 1	1°39	20°36	2°45	12°12	10° 6	11° 6	7°43	n.a.	T 12
F 13	3 10 59	17° 8'07	6♈51	7°13	22°22	18° 7	12°13	1°39	20°39	2°45	12°14	10° 2	11° 3	7°50	n.a.	F 13
S 14	3 14 56	18° 9'15	21°25	8°24	23°38	18°53	12°25	1°40	20°41	2°45	12°16	9°59	11° 0	7°56	n.a.	S 14
S 15	3 18 52	19°10'25	6♉19	9°31	24°53	19°40	12°37	1°40	20°43	2°45	12°18	9°56	10°56	8° 3	n.a.	S 15
M16	3 22 49	20°11'34	21°27	10°35	26° 9	20°27	12°49	1°41	20°46	2°44	12°20	9°55	10°53	8°10	n.a.	M16
T 17	3 26 45	21°12'45	6♊39	11°33	27°24	21°14	13° 1	1°42	20°48	2°44	12°22	9°D54	10°50	8°16	n.a.	T 17
W18	3 30 42	22°13'56	21°45	12°26	28°40	22° 1	13°12	1°43	20°50	2°44	12°24	9°54	10°47	8°23	n.a.	W18
T 19	3 34 38	23°15'07	6♋37	13°13	29°55	22°48	13°24	1°44	20°53	2°44	12°26	9°55	10°44	8°30	n.a.	T 19
F 20	3 38 35	24°16'20	21° 8	13°54	1♐10	23°35	13°36	1°45	20°55	2°43	12°28	9°56	10°41	8°36	n.a.	F 20
S 21	3 42 31	25°17'33	5♌16	14°26	2°26	24°22	13°47	1°47	20°57	2°43	12°30	9°57	10°37	8°43	n.a.	S 21
S 22	3 46 28	26°18'47	18°59	14°50	3°41	25° 9	13°58	1°48	20°59	2°42	12°32	9°58	10°34	8°50	n.a.	S 22
M23	3 50 25	27°20'01	2♍18	15° 4	4°57	25°56	14°10	1°50	21° 1	2°42	12°34	9°R58	10°31	8°56	n.a.	M23
T 24	3 54 21	28°21'16	15°16	15°R 7	6°12	26°43	14°21	1°51	21° 3	2°41	12°36	9°58	10°28	9° 3	n.a.	T 24
W25	3 58 18	29°22'31	27°55	15° 0	7°28	27°30	14°32	1°53	21° 5	2°41	12°38	9°56	10°25	9° 9	n.a.	W25
T 26	4 2 14	0♐23'47	10♎18	14°41	8°43	28°17	14°43	1°55	21° 7	2°40	12°40	9°55	10°22	9°16	n.a.	T 26
F 27	4 6 11	1°25'03	22°29	14°10	9°58	29° 5	14°54	1°57	21° 9	2°40	12°43	9°54	10°18	9°23	n.a.	F 27
S 28	4 10 7	2°26'20	4♏31	13°28	11°14	29°52	15° 5	1°59	21°11	2°39	12°45	9°53	10°15	9°29	n.a.	S 28
S 29	4 14 4	3°27'37	16°26	12°34	12°29	0♑39	15°16	2° 1	21°13	2°38	12°47	9°52	10°12	9°36	n.a.	S 29
M30	4 18 0	4♐28'54	28♏16	11♐31	13♐45	1♑26	15♎27	2♓ 3	21♍14	2♌38	12♐49	9♊51	10♊ 9	9♐43	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s19	11s33	2n48	20s11	2s 9	13s43	0n24	23s 5	1s 4	2s50	1n10	13s15	2s25	4n38	0n43	20n13	0n27	20s11	2n19	22n14	22n27	21s11		n.a.
M 2	13 39	16 3	1 50	20 38	2 12	14 10	0 22	23 12	1 4	2 55	1 10	13 15	2 24	4 37	0 43	20 13	0 27	20 11	2 19	22 14	22 27	21 13		n.a.
T 3	14 0	19 54	0 47	21 3	2 15	14 36	0 20	23 20	1 5	3 0	1 10	13 15	2 24	4 35	0 43	20 13	0 27	20 11	2 19	22 13	22 26	21 15		n.a.
W 4	14 20	22 56	0s17	21 28	2 17	15 2	0 18	23 27	1 5	3 5	1 10	13 15	2 24	4 34	0 43	20 13	0 27	20 12	2 19	22 13	22 26	21 17		n.a.
T 5	14 40	24 58	1 21	21 51	2 19	15 28	0 15	23 33	1 5	3 10	1 11	13 15	2 24	4 33	0 43	20 13	0 28	20 12	2 19	22 14	22 25	21 19		n.a.
F 6	14 59	25 54	2 21	22 12	2 20	15 54	0 13	23 40	1 6	3 15	1 11	13 15	2 24	4 32	0 43	20 13	0 28	20 12	2 19	22 14	22 25	21 21		n.a.
S 7	15 19	25 39	3 16	22 32	2 21	16 18	0 10	23 46	1 6	3 19	1 11	13 15	2 23	4 31	0 43	20 13	0 28	20 13	2 19	22 14	22 25	21 23		n.a.
S 8	15 38	24 11	4 4	22 51	2 21	16 43	0 8	23 52	1 6	3 24	1 11	13 15	2 23	4 30	0 43	20 13	0 28	20 13	2 18	22 14	22 24	21 25		n.a.
M 9	15 57	21 32	4 41	23 8	2 21	17 7	0 6	23 58	1 6	3 29	1 11	13 14	2 23	4 29	0 43	20 13	0 28	20 14	2 18	22 14	22 24	21 27		n.a.
T 10	16 15	17 48	5 5	23 23	2 20	17 31	0 3	24 3	1 7	3 34	1 11	13 14	2 23	4 28	0 43	20 13	0 28	20 14	2 18	22 14	22 23	21 29		n.a.
W11	16 33	13 6	5 15	23 37	2 19	17 54	0 1	24 8	1 7	3 38	1 11	13 14	2 23	4 27	0 43	20 13	0 28	20 14	2 18	22 14	22 23	21 31		n.a.
T 12	16 51	7 36	5 7	23 48	2 17	18 16	0s 1	24 13	1 7	3 43	1 11	13 14	2 22	4 26	0 44	20 13	0 28	20 15	2 18	22 14	22 22	21 33		n.a.
F 13	17 9	1 33	4 41	23 58	2 14	18 38	0 4	24 18	1 7	3 48	1 11	13 13	2 22	4 25	0 44	20 14	0 28	20 15	2 18	22 13	22 22	21 35		n.a.
S 14	17 26	4n47	3 57	24 6	2 10	19 0	0 6	24 22	1 7	3 52	1 11	13 13	2 22	4 24	0 44	20 14	0 28	20 15	2 18	22 13	22 21	21 37		n.a.
S 15	17 43	11 2	2 55	24 12	2 5	19 21	0 9	24 26	1 8	3 57	1 11	13 12	2 22	4 23	0 44	20 14	0 28	20 16	2 18	22 12	22 21	21 39		n.a.
M16	18 0	16 43	1 40	24 16	2 0	19 42	0 11	24 30	1 8	4 2	1 11	13 12	2 21	4 22	0 44	20 14	0 28	20 16	2 17	22 12	22 20	21 41		n.a.
T 17	18 17	21 23	0 18	24 18	1 53	20 2	0 13	24 33	1 8	4 6	1 11	13 11	2 21	4 21	0 44	20 14	0 28	20 17	2 17	22 12	22 20	21 43		n.a.
W18	18 33	24 33	1n 5	24 17	1 45	20 21	0 16	24 37	1 8	4 11	1 11	13 11	2 21	4 20	0 44	20 14	0 28	20 17	2 17	22 12	22 20	21 45		n.a.
T 19	18 48	25 56	2 23	24 15	1 36	20 40	0 18	24 39	1 8	4 15	1 12	13 10	2 21	4 20	0 44	20 14	0 28	20 17	2 17	22 12	22 19	21 47		n.a.
F 20	19 4	25 29	3 29	24 9	1 26	20 58	0 20	24 42	1 8	4 20	1 12	13 10	2 21	4 19	0 44	20 14	0 28	20 18	2 17	22 12	22 19	21 49		n.a.
S 21	19 19	23 23	4 21	24 2	1 14	21 16	0 23	24 44	1 8	4 24	1 12	13 9	2 20	4 18	0 44	20 14	0 28	20 18	2 17	22 12	22 18	21 51		n.a.
S 22	19 33	19 59	4 56	23 52	1 1	21 33	0 25	24 46	1 9	4 28	1 12	13 8	2 20	4 17	0 44	20 14	0 28	20 18	2 17	22 12	22 18	21 53		n.a.
M23	19 48	15 39	5 14	23 39	0 47	21 49	0 27	24 48	1 9	4 33	1 12	13 7	2 20	4 16	0 44	20 15	0 28	20 19	2 17	22 12	22 17	21 55		n.a.
T 24	20 2	10 43	5 16	23 24	0 31	22 5	0 30	24 50	1 9	4 37	1 12	13 7	2 20	4 15	0 44	20 15	0 28	20 19	2 16	22 12	22 17	21 56		n.a.
W25	20 15	5 27	5 2	23 6	0 14	22 20	0 32	24 51	1 9	4 41	1 12	13 6	2 20	4 15	0 44	20 15	0 28	20 20	2 16	22 12	22 16	21 58		n.a.
T 26	20 28	0 4	4 34	22 46	0n 4	22 35	0 34	24 52	1 9	4 46	1 12	13 5	2 19	4 14	0 44	20 15	0 28	20 20	2 16	22 12	22 16	22 0		n.a.
F 27	20 41	5s14	3 54	22 24	0 23	22 49	0 36	24 52	1 9	4 50	1 12	13 4	2 19	4 13	0 44	20 15	0 28	20 20	2 16	22 12	22 15	22 2		n.a.
S 28	20 54	10 17	3 4	21 59	0 43	23 2	0 39	24 53	1 9	4 54	1 12	13 3	2 19	4 13	0 44	20 15	0 28	20 21	2 16	22 12	22 15	22 4		n.a.
S 29	21 6	14 56	2 7	21 32	1 3	23 14	0 41	24 53	1 9	4 58	1 13	13 2	2 19	4 12	0 44	20 15	0 28	20 21	2 16	22 12	22 14	22 6		n.a.
M30	21s17	18s58	1n 4	21s 4	1n23	23s26	0s43	24s52	1s 9	5s 2	1n13	13s 1	2s18	4n11	0n44	20n16	0n28	20s21	2n16	22n11	22n14	22s 8		n.a.

Julian Day Number = 1643563.5, Delta T = 03h35m01s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'43, Lahiri = - 6°53'43 Julian Calendar 1 Nov. 214 BCE == Greg. Calendar 28 Oct. 214 BCE

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ASTRODIENST EPHEMERIS for the year 214 BCE
geocentric

DECEMBER 214 BCE (-213) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 21 57	5♐30'11	10♐ 3	10°R20	15♐ 0	2♑13	15♎38	2♓ 6	21♍16	2°R37	12♐51	9°D51	10♊ 6	9♐49	n.a.	T 1
W 2	4 25 54	6°31'28	21°50	9♐ 3	16°15	3° 1	15°48	2° 8	21°18	2♌36	12°53	9♊51	10° 2	9°56	n.a.	W 2
T 3	4 29 50	7°32'45	3♑39	7°42	17°31	3°48	15°59	2°11	21°19	2°36	12°55	9°52	9°59	10° 3	n.a.	T 3
F 4	4 33 47	8°34'02	15°32	6°21	18°46	4°35	16° 9	2°14	21°21	2°35	12°57	9°52	9°56	10° 9	n.a.	F 4
S 5	4 37 43	9°35'18	27°33	5° 2	20° 1	5°22	16°19	2°16	21°22	2°34	12°59	9°R52	9°53	10°16	n.a.	S 5
S 6	4 41 40	10°36'34	9♒43	3°47	21°17	6°10	16°30	2°19	21°24	2°33	13° 1	9°52	9°50	10°23	n.a.	S 6
M 7	4 45 36	11°37'50	22° 7	2°38	22°32	6°57	16°40	2°22	21°25	2°32	13° 3	9°52	9°47	10°29	n.a.	M 7
T 8	4 49 33	12°39'05	4♓49	1°38	23°47	7°44	16°50	2°25	21°26	2°31	13° 5	9°52	9°43	10°36	n.a.	T 8
W 9	4 53 30	13°40'19	17°52	0°46	25° 3	8°32	17° 0	2°29	21°27	2°30	13° 8	9°D52	9°40	10°43	n.a.	W 9
T 10	4 57 26	14°41'33	1♈19	0° 4	26°18	9°19	17°10	2°32	21°29	2°29	13°10	9°52	9°37	10°49	n.a.	T 10
F 11	5 1 23	15°42'46	15°12	29♏32	27°33	10° 6	17°19	2°35	21°30	2°28	13°12	9°52	9°34	10°56	n.a.	F 11
S 12	5 5 19	16°43'58	29°31	29°11	28°48	10°53	17°29	2°39	21°31	2°27	13°14	9°53	9°31	11° 2	n.a.	S 12
S 13	5 9 16	17°45'10	14♉14	28°58	0♑ 4	11°41	17°38	2°42	21°32	2°26	13°16	9°53	9°28	11° 9	n.a.	S 13
M14	5 13 12	18°46'21	29°15	28°D55	1°19	12°28	17°48	2°46	21°33	2°25	13°18	9°54	9°24	11°16	n.a.	M14
T 15	5 17 9	19°47'31	14♊28	29° 0	2°34	13°15	17°57	2°50	21°34	2°24	13°20	9°R54	9°21	11°22	n.a.	T 15
W16	5 21 5	20°48'41	29°42	29°13	3°49	14° 3	18° 6	2°54	21°35	2°23	13°22	9°54	9°18	11°29	n.a.	W16
T 17	5 25 2	21°49'51	14♋47	29°34	5° 4	14°50	18°15	2°58	21°35	2°22	13°24	9°52	9°15	11°36	n.a.	T 17
F 18	5 28 59	22°51'00	29°36	0♐ 1	6°19	15°37	18°24	3° 2	21°36	2°20	13°26	9°51	9°12	11°42	n.a.	F 18
S 19	5 32 55	23°52'08	14♌ 0	0°34	7°35	16°25	18°33	3° 6	21°37	2°19	13°28	9°49	9° 8	11°49	n.a.	S 19
S 20	5 36 52	24°53'16	27°57	1°12	8°50	17°12	18°42	3°10	21°38	2°18	13°30	9°47	9° 5	11°56	n.a.	S 20
M21	5 40 48	25°54'23	11♍26	1°55	10° 5	17°59	18°50	3°15	21°38	2°17	13°33	9°46	9° 2	12° 2	n.a.	M21
T 22	5 44 45	26°55'30	24°28	2°43	11°20	18°47	18°59	3°19	21°39	2°16	13°35	9°D46	8°59	12° 9	n.a.	T 22
W23	5 48 41	27°56'36	7♎ 7	3°35	12°35	19°34	19° 7	3°23	21°39	2°14	13°37	9°46	8°56	12°16	n.a.	W23
T 24	5 52 38	28°57'41	19°26	4°30	13°50	20°21	19°15	3°28	21°39	2°13	13°39	9°47	8°53	12°22	n.a.	T 24
F 25	5 56 35	29°58'46	1♏31	5°28	15° 5	21° 9	19°23	3°33	21°40	2°12	13°41	9°48	8°49	12°29	n.a.	F 25
S 26	6 0 31	0♑59'50	13°26	6°30	16°20	21°56	19°31	3°37	21°40	2°10	13°43	9°50	8°46	12°35	n.a.	S 26
S 27	6 4 28	2° 0'54	25°14	7°34	17°35	22°43	19°39	3°42	21°40	2° 9	13°45	9°52	8°43	12°42	n.a.	S 27
M28	6 8 24	3° 1'57	7♐ 1	8°40	18°50	23°30	19°47	3°47	21°41	2° 7	13°47	9°R52	8°40	12°49	n.a.	M28
T 29	6 12 21	4° 2'58	18°48	9°49	20° 5	24°18	19°54	3°52	21°41	2° 6	13°49	9°52	8°37	12°55	n.a.	T 29
W30	6 16 17	5° 3'59	0♑38	10°59	21°20	25° 5	20° 2	3°57	21°41	2° 5	13°51	9°50	8°34	13° 2	n.a.	W30
T 31	6 20 14	6♑ 4'59	12♑33	12♐12	22♑35	25♑52	20♎ 9	4♓ 2	21°R41	2♌ 3	13♐53	9♊47	8♊30	13♐ 9	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21s28	22s14	0s 1	20s35	1n42	23s37	0s45	24s52	1s 9	5s 6	1n13	13s 0	2s18	4n11	0n44	20n16	0n28	20s22	2n16	22n11	22n14	22s10			n.a.
W 2	21 39	24 34	1 6	20 5	2 1	23 47	0 47	24 51	1 10	5 10	1 13	12 59	2 18	4 10	0 44	20 16	0 28	20 22	2 16	22 11	22 13	22 12			n.a.
T 3	21 50	25 49	2 9	19 35	2 18	23 57	0 49	24 50	1 10	5 14	1 13	12 58	2 18	4 9	0 44	20 16	0 28	20 23	2 15	22 11	22 13	22 13			n.a.
F 4	22 0	25 53	3 6	19 7	2 33	24 6	0 51	24 48	1 10	5 18	1 13	12 57	2 18	4 9	0 44	20 16	0 28	20 23	2 15	22 11	22 12	22 15			n.a.
S 5	22 9	24 44	3 55	18 40	2 46	24 14	0 53	24 46	1 10	5 22	1 13	12 55	2 17	4 8	0 44	20 17	0 28	20 23	2 15	22 12	22 12	22 17			n.a.
S 6	22 18	22 26	4 35	18 16	2 56	24 21	0 55	24 44	1 10	5 26	1 13	12 54	2 17	4 8	0 44	20 17	0 28	20 24	2 15	22 11	22 11	22 19			n.a.
M 7	22 27	19 4	5 3	17 55	3 5	24 28	0 57	24 42	1 10	5 30	1 14	12 53	2 17	4 7	0 44	20 17	0 28	20 24	2 15	22 11	22 11	22 21			n.a.
T 8	22 35	14 45	5 17	17 37	3 10	24 34	0 59	24 39	1 10	5 33	1 14	12 51	2 17	4 7	0 44	20 17	0 28	20 24	2 15	22 11	22 10	22 23			n.a.
W 9	22 43	9 40	5 15	17 23	3 14	24 39	1 1	24 36	1 10	5 37	1 14	12 50	2 17	4 6	0 44	20 18	0 28	20 25	2 15	22 11	22 10	22 24			n.a.
T 10	22 50	3 59	4 56	17 13	3 15	24 43	1 3	24 33	1 10	5 41	1 14	12 49	2 16	4 6	0 45	20 18	0 28	20 25	2 15	22 11	22 9	22 26			n.a.
F 11	22 57	2n 4	4 20	17 7	3 15	24 47	1 5	24 29	1 10	5 44	1 14	12 47	2 16	4 5	0 45	20 18	0 28	20 25	2 15	22 12	22 9	22 28			n.a.
S 12	23 3	8 13	3 26	17 4	3 13	24 49	1 6	24 26	1 10	5 48	1 14	12 46	2 16	4 5	0 45	20 18	0 28	20 26	2 15	22 12	22 8	22 30			n.a.
S 13	23 9	14 6	2 18	17 5	3 10	24 51	1 8	24 21	1 10	5 52	1 14	12 44	2 16	4 5	0 45	20 19	0 29	20 26	2 15	22 12	22 8	22 32			n.a.
M14	23 14	19 16	0 59	17 9	3 5	24 53	1 10	24 17	1 10	5 55	1 14	12 43	2 16	4 4	0 45	20 19	0 29	20 26	2 14	22 12	22 7	22 34			n.a.
T 15	23 19	23 13	0n25	17 16	2 59	24 53	1 11	24 12	1 10	5 58	1 15	12 41	2 15	4 4	0 45	20 19	0 29	20 27	2 14	22 12	22 7	22 35			n.a.
W16	23 24	25 31	1 48	17 25	2 52	24 53	1 13	24 7	1 10	6 2	1 15	12 40	2 15	4 4	0 45	20 19	0 29	20 27	2 14	22 12	22 6	22 37			n.a.
T 17	23 28	25 54	3 2	17 36	2 45	24 52	1 14	24 2	1 9	6 5	1 15	12 38	2 15	4 3	0 45	20 20	0 29	20 27	2 14	22 12	22 6	22 39			n.a.
F 18	23 32	24 25	4 2	17 50	2 37	24 50	1 16	23 57	1 9	6 8	1 15	12 36	2 15	4 3	0 45	20 20	0 29	20 28	2 14	22 11	22 5	22 41			n.a.
S 19	23 35	21 22	4 45	18 5	2 29	24 47	1 17	23 51	1 9	6 12	1 15	12 35	2 15	4 3	0 45	20 20	0 29	20 28	2 14	22 11	22 5	22 43			n.a.
S 20	23 37	17 10	5 10	18 21	2 20	24 44	1 18	23 45	1 9	6 15	1 15	12 33	2 15	4 3	0 45	20 21	0 29	20 28	2 14	22 11	22 4	22 44			n.a.
M21	23 39	12 14	5 17	18 39	2 11	24 39	1 20	23 38	1 9	6 18	1 16	12 31	2 14	4 3	0 45	20 21	0 29	20 29	2 14	22 11	22 4	22 46			n.a.
T 22	23 41	6 54	5 7	18 57	2 2	24 34	1 21	23 32	1 9	6 21	1 16	12 29	2 14	4 2	0 45	20 21	0 29	20 29	2 14	22 11	22 3	22 48			n.a.
W23	23 42	1 27	4 42	19 16	1 53	24 29	1 22	23 25	1 9	6 24	1 16	12 27	2 14	4 2	0 45	20 22	0 29	20 29	2 14	22 11	22 3	22 50			n.a.
T 24	23 43	3s56	4 4	19 35	1 44	24 22	1 23	23 18	1 9	6 27	1 16	12 26	2 14	4 2	0 45	20 22	0 29	20 30	2 14	22 11	22 2	22 51			n.a.
F 25	23 43	9 4	3 17	19 55	1 34	24 15	1 24	23 10	1 9	6 30	1 16	12 24	2 14	4 2	0 45	20 22	0 29	20 30	2 14	22 11	22 2	22 53			n.a.
S 26	23 43	13 49	2 21	20 15	1 25	24 7	1 25	23 2	1 9	6 33	1 16	12 22	2 13	4 2	0 45	20 23	0 29	20 30	2 13	22 11	22 1	22 55			n.a.
S 27	23 42	18 0	1 20	20 35	1 16	23 58	1 26	22 54	1 8	6 36	1 17	12 20	2 13	4 2	0 45	20 23	0 29	20 31	2 13	22 11	22 1	22 57			n.a.
M28	23 41	21 29	0 16	20 55	1 6	23 49	1 27	22 46	1 8	6 39	1 17	12 18	2 13	4 2	0 45	20 23	0 29	20 31	2 13	22 12	22 0	22 58			n.a.
T 29	23 40	24 3	0s49	21 14	0 57	23 39	1 28	22 38	1 8	6 41	1 17	12 16	2 13	4 2	0 45	20 24	0 29	20 31	2 13	22 12	22 0	23 0			n.a.
W30	23 37	25 35	1 52	21 34	0 48	23 28	1 29	22 29	1 8	6 44	1 17	12 14	2 13	4 2	0 45	20 24	0 29	20 32	2 13	22 11	21 59	23 2			n.a.
T 31	23s35	25s57	2s50	21s52	0n39	23s16	1s29	22s20	1s 8	6s46	1n17	12s12	2s13	4n 2	0n45	20n24	0n29	20s32	2n13	22n11	21n59	23s 4			n.a.

Julian Day Number = 1643593.5, Delta T = 03h35m00s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'39, Lahiri = - 6°53'39 Julian Calendar 1 Dec. 214 BCE == Greg. Calendar 27 Nov. 214 BCE

The year -213 astronomical counting style corresponds to year 214 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

JANUARY 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 24 10	7♉ 5'57	24♉36	13♐26	23♉50	26♉39	20♎16	4♓ 8	21°R41	2°R 2	13♐55	9°R43	8♊27	13♐15	n.a.	F 1
S 2	6 28 7	8° 6'54	6♒48	14°42	25° 5	27°27	20°23	4°13	21♍41	2♌ 0	13°57	9♊38	8°24	13°22	n.a.	S 2
S 3	6 32 4	9° 7'50	19° 9	15°59	26°20	28°14	20°30	4°18	21°41	1°59	13°59	9°33	8°21	13°29	n.a.	S 3
M 4	6 36 0	10° 8'44	1♓43	17°18	27°35	29° 1	20°36	4°24	21°40	1°57	14° 0	9°28	8°18	13°35	n.a.	M 4
T 5	6 39 57	11° 9'37	14°30	18°37	28°50	29°48	20°43	4°29	21°40	1°56	14° 2	9°24	8°14	13°42	n.a.	T 5
W 6	6 43 53	12°10'28	27°34	19°59	0♒ 5	0♒36	20°49	4°35	21°40	1°54	14° 4	9°21	8°11	13°49	n.a.	W 6
T 7	6 47 50	13°11'18	10♈55	21°21	1°19	1°23	20°55	4°41	21°39	1°52	14° 6	9°D20	8° 8	13°55	n.a.	T 7
F 8	6 51 46	14°12'05	24°36	22°44	2°34	2°10	21° 2	4°46	21°39	1°51	14° 8	9°21	8° 5	14° 2	n.a.	F 8
S 9	6 55 43	15°12'51	8♉38	24° 9	3°49	2°57	21° 7	4°52	21°38	1°49	14°10	9°22	8° 2	14° 9	n.a.	S 9
S 10	6 59 39	16°13'36	23° 1	25°34	5° 4	3°44	21°13	4°58	21°38	1°48	14°12	9°24	7°59	14°15	n.a.	S 10
M11	7 3 36	17°14'19	7♊42	27° 1	6°18	4°31	21°19	5° 4	21°37	1°46	14°14	9°R24	7°55	14°22	n.a.	M11
T 12	7 7 33	18°15'00	22°36	28°28	7°33	5°18	21°24	5°10	21°37	1°44	14°15	9°24	7°52	14°28	n.a.	T 12
W13	7 11 29	19°15'39	7♋38	29°56	8°48	6° 5	21°30	5°16	21°36	1°43	14°17	9°21	7°49	14°35	n.a.	W13
T 14	7 15 26	20°16'17	22°38	1♉26	10° 2	6°52	21°35	5°22	21°35	1°41	14°19	9°17	7°46	14°42	n.a.	T 14
F 15	7 19 22	21°16'53	7♌28	2°56	11°17	7°39	21°40	5°28	21°34	1°40	14°21	9°10	7°43	14°48	n.a.	F 15
S 16	7 23 19	22°17'28	21°58	4°27	12°31	8°26	21°44	5°34	21°34	1°38	14°22	9° 3	7°40	14°55	n.a.	S 16
S 17	7 27 15	23°18'01	6♍ 3	5°59	13°46	9°13	21°49	5°41	21°33	1°36	14°24	8°56	7°36	15° 2	n.a.	S 17
M18	7 31 12	24°18'33	19°41	7°32	15° 1	10° 0	21°53	5°47	21°32	1°35	14°26	8°50	7°33	15° 8	n.a.	M18
T 19	7 35 8	25°19'03	2♎51	9° 6	16°15	10°47	21°58	5°53	21°31	1°33	14°28	8°46	7°30	15°15	n.a.	T 19
W20	7 39 5	26°19'32	15°35	10°41	17°29	11°34	22° 2	6° 0	21°30	1°31	14°29	8°43	7°27	15°22	n.a.	W20
T 21	7 43 2	27°19'59	27°57	12°17	18°44	12°20	22° 6	6° 6	21°29	1°30	14°31	8°D43	7°24	15°28	n.a.	T 21
F 22	7 46 58	28°20'25	10♏ 3	13°54	19°58	13° 7	22°10	6°13	21°27	1°28	14°33	8°43	7°20	15°35	n.a.	F 22
S 23	7 50 55	29°20'49	21°56	15°31	21°13	13°54	22°13	6°19	21°26	1°26	14°34	8°44	7°17	15°42	n.a.	S 23
S 24	7 54 51	0♒21'12	3♐44	17°10	22°27	14°41	22°17	6°26	21°25	1°25	14°36	8°R46	7°14	15°48	n.a.	S 24
M25	7 58 48	1°21'34	15°29	18°49	23°41	15°27	22°20	6°33	21°24	1°23	14°37	8°45	7°11	15°55	n.a.	M25
T 26	8 2 44	2°21'53	27°18	20°30	24°56	16°14	22°23	6°39	21°22	1°21	14°39	8°43	7° 8	16° 2	n.a.	T 26
W27	8 6 41	3°22'11	9♉13	22°12	26°10	17° 1	22°26	6°46	21°21	1°20	14°40	8°39	7° 5	16° 8	n.a.	W27
T 28	8 10 37	4°22'28	21°18	23°54	27°24	17°47	22°29	6°53	21°19	1°18	14°42	8°32	7° 1	16°15	n.a.	T 28
F 29	8 14 34	5°22'42	3♒33	25°38	28°38	18°34	22°31	7° 0	21°18	1°16	14°43	8°23	6°58	16°21	n.a.	F 29
S 30	8 18 31	6°22'54	16° 0	27°22	29°52	19°21	22°33	7° 7	21°16	1°15	14°45	8°12	6°55	16°28	n.a.	S 30
S 31	8 22 27	7♒23'05	28♒40	29♉ 8	1♓ 6	20♒ 7	22♎36	7♓14	21♍15	1♌13	14♐46	8♊ 1	6♊52	16♐35	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s32	25s 5	3s41	22s11	0n30	23s 4	1s30	22s11	1s 8	6s49	1n17	12s10	2s13	4n 2	0n45	20n25	0n29	20s32	2n13	22n10	21n58	23s 5		n.a.
S 2	23 28	23 2	4 23	22 28	0 22	22 51	1 30	22 1	1 8	6 52	1 18	12 8	2 12	4 2	0 45	20 25	0 29	20 33	2 13	22 9	21 58	23 7		n.a.
S 3	23 24	19 53	4 53	22 45	0 13	22 37	1 31	21 52	1 7	6 54	1 18	12 6	2 12	4 2	0 45	20 25	0 29	20 33	2 13	22 9	21 57	23 9		n.a.
M 4	23 20	15 48	5 10	23 2	0 5	22 23	1 31	21 42	1 7	6 56	1 18	12 3	2 12	4 2	0 45	20 26	0 29	20 33	2 13	22 8	21 57	23 10		n.a.
T 5	23 15	10 57	5 11	23 17	0s 3	22 8	1 32	21 31	1 7	6 59	1 18	12 1	2 12	4 2	0 46	20 26	0 29	20 33	2 13	22 7	21 56	23 12		n.a.
W 6	23 9	5 31	4 57	23 32	0 11	21 52	1 32	21 21	1 7	7 1	1 18	11 59	2 12	4 2	0 46	20 27	0 29	20 34	2 13	22 7	21 56	23 14		n.a.
T 7	23 4	0n17	4 27	23 45	0 19	21 36	1 32	21 10	1 7	7 3	1 18	11 57	2 12	4 3	0 46	20 27	0 29	20 34	2 13	22 7	21 55	23 15		n.a.
F 8	22 57	6 14	3 40	23 58	0 27	21 19	1 32	20 59	1 6	7 5	1 19	11 55	2 11	4 3	0 46	20 27	0 29	20 34	2 13	22 7	21 55	23 17		n.a.
S 9	22 51	12 1	2 40	24 9	0 34	21 1	1 32	20 48	1 6	7 7	1 19	11 52	2 11	4 3	0 46	20 28	0 29	20 35	2 12	22 7	21 54	23 19		n.a.
S 10	22 43	17 19	1 28	24 20	0 41	20 43	1 32	20 37	1 6	7 9	1 19	11 50	2 11	4 3	0 46	20 28	0 29	20 35	2 12	22 7	21 54	23 20		n.a.
M11	22 36	21 42	0 9	24 29	0 48	20 24	1 32	20 25	1 6	7 11	1 19	11 48	2 11	4 4	0 46	20 28	0 29	20 35	2 12	22 7	21 53	23 22		n.a.
T 12	22 28	24 42	1n11	24 37	0 55	20 5	1 32	20 13	1 5	7 13	1 19	11 45	2 11	4 4	0 46	20 29	0 29	20 35	2 12	22 7	21 53	23 24		n.a.
W13	22 19	25 57	2 28	24 44	1 1	19 45	1 32	20 1	1 5	7 15	1 20	11 43	2 11	4 4	0 46	20 29	0 29	20 36	2 12	22 7	21 52	23 25		n.a.
T 14	22 10	25 18	3 33	24 50	1 7	19 25	1 32	19 49	1 5	7 17	1 20	11 41	2 11	4 5	0 46	20 30	0 29	20 36	2 12	22 6	21 52	23 27		n.a.
F 15	22 1	22 52	4 24	24 54	1 13	19 4	1 31	19 37	1 5	7 18	1 20	11 38	2 11	4 5	0 46	20 30	0 29	20 36	2 12	22 5	21 51	23 29		n.a.
S 16	21 51	19 0	4 56	24 57	1 19	18 42	1 31	19 24	1 4	7 20	1 20	11 36	2 10	4 5	0 46	20 30	0 29	20 36	2 12	22 4	21 51	23 30		n.a.
S 17	21 41	14 10	5 9	24 59	1 24	18 20	1 31	19 11	1 4	7 21	1 20	11 33	2 10	4 6	0 46	20 31	0 29	20 37	2 12	22 3	21 50	23 32		n.a.
M18	21 30	8 46	5 4	24 59	1 29	17 57	1 30	18 59	1 4	7 23	1 21	11 31	2 10	4 6	0 46	20 31	0 29	20 37	2 12	22 2	21 50	23 34		n.a.
T 19	21 19	3 10	4 43	24 58	1 34	17 34	1 29	18 45	1 4	7 24	1 21	11 28	2 10	4 6	0 46	20 31	0 29	20 37	2 12	22 1	21 49	23 35		n.a.
W20	21 8	2s24	4 8	24 55	1 38	17 11	1 29	18 32	1 3	7 26	1 21	11 26	2 10	4 7	0 46	20 32	0 29	20 37	2 12	22 1	21 49	23 37		n.a.
T 21	20 56	7 43	3 22	24 51	1 42	16 47	1 28	18 18	1 3	7 27	1 21	11 23	2 10	4 7	0 46	20 32	0 29	20 38	2 12	22 1	21 48	23 38		n.a.
F 22	20 44	12 39	2 29	24 45	1 46	16 22	1 27	18 5	1 3	7 28	1 21	11 21	2 10	4 8	0 46	20 33	0 29	20 38	2 12	22 1	21 48	23 40		n.a.
S 23	20 32	17 1	1 30	24 37	1 50	15 57	1 26	17 51	1 2	7 29	1 22	11 18	2 10	4 8	0 46	20 33	0 29	20 38	2 12	22 1	21 47	23 42		n.a.
S 24	20 19	20 42	0 27	24 28	1 53	15 32	1 25	17 37	1 2	7 31	1 22	11 16	2 10	4 9	0 46	20 33	0 29	20 38	2 12	22 1	21 46	23 43		n.a.
M25	20 6	23 31	0s36	24 17	1 55	15 6	1 24	17 22	1 2	7 32	1 22	11 13	2 10	4 9	0 46	20 34	0 29	20 39	2 12	22 1	21 46	23 45		n.a.
T 26	19 52	25 20	1 38	24 5	1 58	14 40	1 23	17 8	1 2	7 33	1 22	11 10	2 9	4 10	0 46	20 34	0 29	20 39	2 12	22 1	21 45	23 46		n.a.
W27	19 38	26 0	2 36	23 50	2 0	14 14	1 22	16 53	1 1	7 33	1 22	11 8	2 9	4 11	0 46	20 35	0 29	20 39	2 12	22 0	21 45	23 48		n.a.
T 28	19 24	25 26	3 28	23 34	2 1	13 47	1 21	16 39	1 1	7 34	1 23	11 5	2 9	4 11	0 46	20 35	0 29	20 39	2 11	21 59	21 44	23 49		n.a.
F 29	19 9	23 39	4 10	23 17	2 3	13 20	1 20	16 24	1 1	7 35	1 23	11 2	2 9	4 12	0 46	20 35	0 29	20 40	2 11	21 58	21 44	23 51		n.a.
S 30	18 54	20 42	4 42	22 57	2 3	12 52	1 18	16 9	1 0	7 36	1 23	11 0	2 9	4 12	0 46	20 36	0 29	20 40	2 11	21 56	21 43	23 53		n.a.
S 31	18s39	16s45	5s 0	22s35	2s 4	12s24	1s17	15s54	1s 0	7s36	1n23	10s57	2s 9	4n13	0n46	20n36	0n29	20s40	2n11	21n54	21n43	23s54		n.a.

Julian Day Number = 1643624.5, Delta T = 03h34m59s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'35, Lahiri = - 6°53'35 Julian Calendar 1 Jan. 213 BCE == Greg. Calendar 28 Dec. 214 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

FEBRUARY 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 26 24	8♒23'13	11♓31	0♒54	2♓20	20♒54	22♎37	7♓21	21°R13	1°R11	14♐48	7°R50	6♊49	16♐41	n.a.	M 1
T 2	8 30 20	9°23'19	24°35	2°42	3°34	21°40	22°39	7°28	21♍12	1♌10	14°49	7♊41	6°46	16°48	n.a.	T 2
W 3	8 34 17	10°23'23	7♈50	4°31	4°48	22°27	22°41	7°35	21°10	1° 8	14°50	7°34	6°42	16°55	n.a.	W 3
T 4	8 38 13	11°23'25	21°18	6°21	6° 2	23°13	22°42	7°42	21° 8	1° 6	14°52	7°30	6°39	17° 1	n.a.	T 4
F 5	8 42 10	12°23'25	4♉58	8°12	7°16	23°59	22°43	7°49	21° 6	1° 5	14°53	7°28	6°36	17° 8	n.a.	F 5
S 6	8 46 6	13°23'22	18°52	10° 4	8°30	24°46	22°45	7°56	21° 5	1° 3	14°54	7°D28	6°33	17°15	n.a.	S 6
S 7	8 50 3	14°23'17	2♊59	11°57	9°44	25°32	22°45	8° 4	21° 3	1° 1	14°56	7°R28	6°30	17°21	n.a.	S 7
M 8	8 54 0	15°23'09	17°19	13°51	10°58	26°18	22°46	8°11	21° 1	1° 0	14°57	7°28	6°26	17°28	n.a.	M 8
T 9	8 57 56	16°23'00	1♋49	15°46	12°11	27° 4	22°47	8°18	20°59	0°58	14°58	7°26	6°23	17°35	n.a.	T 9
W10	9 1 53	17°22'48	16°26	17°42	13°25	27°51	22°47	8°25	20°57	0°57	14°59	7°21	6°20	17°41	n.a.	W10
T 11	9 5 49	18°22'34	1♌ 5	19°39	14°39	28°37	22°R47	8°33	20°55	0°55	15° 0	7°14	6°17	17°48	n.a.	T 11
F 12	9 9 46	19°22'17	15°37	21°37	15°52	29°23	22°47	8°40	20°53	0°53	15° 2	7° 4	6°14	17°55	n.a.	F 12
S 13	9 13 42	20°21'58	29°56	23°35	17° 6	0♓ 9	22°47	8°47	20°51	0°52	15° 3	6°52	6°11	18° 1	n.a.	S 13
S 14	9 17 39	21°21'38	13♍56	25°34	18°19	0°55	22°46	8°55	20°49	0°50	15° 4	6°41	6° 7	18° 8	n.a.	S 14
M15	9 21 35	22°21'15	27°33	27°33	19°33	1°41	22°45	9° 2	20°47	0°49	15° 5	6°30	6° 4	18°15	n.a.	M15
T 16	9 25 32	23°20'50	10♎44	29°33	20°46	2°27	22°45	9°10	20°44	0°47	15° 6	6°22	6° 1	18°21	n.a.	T 16
W17	9 29 29	24°20'24	23°31	1♓33	21°59	3°13	22°44	9°17	20°42	0°46	15° 7	6°16	5°58	18°28	n.a.	W17
T 18	9 33 25	25°19'55	5♏56	3°32	23°13	3°58	22°42	9°25	20°40	0°44	15° 8	6°12	5°55	18°34	n.a.	T 18
F 19	9 37 22	26°19'25	18° 4	5°31	24°26	4°44	22°41	9°32	20°38	0°43	15° 9	6°11	5°51	18°41	n.a.	F 19
S 20	9 41 18	27°18'53	29°59	7°30	25°39	5°30	22°39	9°40	20°36	0°41	15°10	6°10	5°48	18°48	n.a.	S 20
S 21	9 45 15	28°18'19	11♐49	9°27	26°52	6°16	22°38	9°47	20°33	0°40	15°11	6°10	5°45	18°54	n.a.	S 21
M22	9 49 11	29°17'43	23°36	11°22	28° 5	7° 1	22°36	9°55	20°31	0°38	15°11	6° 9	5°42	19° 1	n.a.	M22
T 23	9 53 8	0♓17'05	5♑27	13°16	29°18	7°47	22°33	10° 2	20°29	0°37	15°12	6° 6	5°39	19° 8	n.a.	T 23
W24	9 57 4	1°16'25	17°27	15° 8	0♈31	8°33	22°31	10°10	20°26	0°35	15°13	6° 1	5°36	19°14	n.a.	W24
T 25	10 1 1	2°15'44	29°39	16°56	1°44	9°18	22°29	10°18	20°24	0°34	15°14	5°53	5°32	19°21	n.a.	T 25
F 26	10 4 58	3°15'00	12♒ 6	18°42	2°57	10° 4	22°26	10°25	20°21	0°33	15°15	5°42	5°29	19°28	n.a.	F 26
S 27	10 8 54	4°14'14	24°49	20°24	4°10	10°49	22°23	10°33	20°19	0°31	15°15	5°29	5°26	19°34	n.a.	S 27
S 28	10 12 51	5°13'26	7♓48	22° 2	5°23	11°34	22°20	10°40	20°17	0°30	15°16	5°16	5°23	19°41	n.a.	S 28
M29	10 16 47	6♓12'36	21♓ 2	23♓36	6♈35	12♓20	22♎17	10♓48	20♍14	0♌29	15♐17	5♊ 3	5♊20	19♐48	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s23	11s59	5s 3	22s12	2s 4	11s56	1s15	15s38	0s59	7s37	1n23	10s54	2s 9	4n14	0n46	20n37	0n29	20s40	2n11	21n52	21n42	23s56		n.a.
T 2	18 7	6 37	4 51	21 47	2 3	11 27	1 14	15 23	0 59	7 37	1 24	10 52	2 9	4 14	0 46	20 37	0 29	20 40	2 11	21 51	21 42	23 57		n.a.
W 3	17 51	0 53	4 23	21 20	2 2	10 59	1 12	15 7	0 59	7 38	1 24	10 49	2 9	4 15	0 46	20 37	0 29	20 41	2 11	21 50	21 41	23 59		n.a.
T 4	17 34	5n 0	3 40	20 51	2 1	10 29	1 10	14 51	0 58	7 38	1 24	10 46	2 9	4 16	0 47	20 38	0 29	20 41	2 11	21 49	21 41	24 0		n.a.
F 5	17 17	10 45	2 44	20 20	1 58	10 0	1 9	14 36	0 58	7 38	1 24	10 43	2 9	4 17	0 47	20 38	0 29	20 41	2 11	21 49	21 40	24 2		n.a.
S 6	17 0	16 5	1 37	19 47	1 56	9 30	1 7	14 20	0 58	7 39	1 24	10 41	2 9	4 17	0 47	20 38	0 29	20 41	2 11	21 49	21 39	24 3		n.a.
S 7	16 42	20 37	0 24	19 13	1 53	9 1	1 5	14 3	0 57	7 39	1 25	10 38	2 9	4 18	0 47	20 39	0 29	20 41	2 11	21 49	21 39	24 5		n.a.
M 8	16 25	23 58	0n52	18 36	1 49	8 31	1 3	13 47	0 57	7 39	1 25	10 35	2 9	4 19	0 47	20 39	0 29	20 41	2 11	21 49	21 38	24 6		n.a.
T 9	16 7	25 48	2 6	17 58	1 45	8 0	1 1	13 31	0 56	7 39	1 25	10 32	2 8	4 20	0 47	20 39	0 29	20 42	2 11	21 48	21 38	24 8		n.a.
W10	15 48	25 52	3 11	17 18	1 40	7 30	0 59	13 14	0 56	7 39	1 25	10 29	2 8	4 21	0 47	20 40	0 29	20 42	2 11	21 48	21 37	24 9		n.a.
T 11	15 30	24 7	4 4	16 36	1 35	6 59	0 57	12 58	0 56	7 38	1 25	10 26	2 8	4 21	0 47	20 40	0 29	20 42	2 11	21 46	21 37	24 11		n.a.
F 12	15 11	20 48	4 41	15 52	1 29	6 28	0 55	12 41	0 55	7 38	1 26	10 24	2 8	4 22	0 47	20 41	0 30	20 42	2 11	21 45	21 36	24 12		n.a.
S 13	14 52	16 17	4 59	15 7	1 22	5 57	0 52	12 24	0 55	7 38	1 26	10 21	2 8	4 23	0 47	20 41	0 30	20 42	2 11	21 43	21 36	24 14		n.a.
S 14	14 33	10 59	4 59	14 20	1 15	5 26	0 50	12 7	0 54	7 38	1 26	10 18	2 8	4 24	0 47	20 41	0 30	20 42	2 11	21 41	21 35	24 15		n.a.
M15	14 13	5 17	4 42	13 31	1 7	4 55	0 48	11 50	0 54	7 37	1 26	10 15	2 8	4 25	0 47	20 42	0 30	20 43	2 11	21 39	21 35	24 17		n.a.
T 16	13 54	0s29	4 10	12 41	0 59	4 24	0 45	11 33	0 54	7 37	1 26	10 12	2 8	4 26	0 47	20 42	0 30	20 43	2 11	21 38	21 34	24 18		n.a.
W17	13 34	6 3	3 26	11 50	0 50	3 52	0 43	11 16	0 53	7 36	1 27	10 9	2 8	4 27	0 47	20 42	0 30	20 43	2 11	21 36	21 33	24 20		n.a.
T 18	13 14	11 15	2 33	10 57	0 40	3 21	0 41	10 59	0 53	7 35	1 27	10 6	2 8	4 27	0 47	20 43	0 30	20 43	2 11	21 36	21 33	24 21		n.a.
F 19	12 53	15 54	1 35	10 4	0 30	2 49	0 38	10 42	0 52	7 35	1 27	10 4	2 8	4 28	0 47	20 43	0 30	20 43	2 11	21 36	21 32	24 22		n.a.
S 20	12 33	19 51	0 33	9 10	0 20	2 17	0 36	10 24	0 52	7 34	1 27	10 1	2 8	4 29	0 47	20 43	0 30	20 43	2 11	21 36	21 32	24 24		n.a.
S 21	12 12	22 58	0s30	8 15	0 9	1 46	0 33	10 7	0 51	7 33	1 27	9 58	2 8	4 30	0 47	20 44	0 30	20 43	2 11	21 36	21 31	24 25		n.a.
M22	11 51	25 5	1 31	7 21	0n 3	1 14	0 30	9 49	0 51	7 32	1 28	9 55	2 8	4 31	0 47	20 44	0 30	20 44	2 11	21 35	21 31	24 27		n.a.
T 23	11 30	26 5	2 28	6 26	0 15	0 42	0 28	9 32	0 50	7 31	1 28	9 52	2 8	4 32	0 47	20 44	0 30	20 44	2 11	21 35	21 30	24 28		n.a.
W24	11 9	25 52	3 20	5 31	0 27	0 10	0 25	9 14	0 50	7 30	1 28	9 49	2 8	4 33	0 47	20 45	0 30	20 44	2 10	21 34	21 29	24 30		n.a.
T 25	10 48	24 25	4 3	4 37	0 39	0n22	0 22	8 56	0 49	7 29	1 28	9 46	2 8	4 34	0 47	20 45	0 30	20 44	2 10	21 32	21 29	24 31		n.a.
F 26	10 26	21 46	4 35	3 44	0 51	0 54	0 19	8 38	0 49	7 28	1 28	9 43	2 8	4 35	0 47	20 45	0 30	20 44	2 10	21 31	21 28	24 32		n.a.
S 27	10 4	18 1	4 55	2 52	1 4	1 25	0 16	8 21	0 49	7 27	1 28	9 40	2 8	4 36	0 47	20 45	0 30	20 44	2 10	21 28	21 28	24 34		n.a.
S 28	9 42	13 22	5 0	2 1	1 17	1 57	0 13	8 3	0 48	7 25	1 29	9 37	2 8	4 37	0 47	20 46	0 30	20 44	2 10	21 26	21 27	24 35		n.a.
M29	9s20	8s 0	4s49	1s13	1n29	2n29	0s11	7s45	0s48	7s24	1n29	9s34	2s 8	4n38	0n47	20n46	0n30	20s44	2n10	21n24	21n27	24s37		n.a.

Julian Day Number = 1643655.5, Delta T = 03h34m58s
Ecliptic obliquity = 23°43'19, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'31, Lahiri = - 6°53'30 Julian Calendar 1 Feb. 213 BCE == Greg. Calendar 28 Jan. 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

MARCH 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 20 44	7♓11'44	4♈29	25♓ 5	7♈48	13♓ 5	22°R13	10♓56	20°R12	0°R27	15♐17	4°R51	5♊17	19♐54	n.a.	T 1
W 2	10 24 40	8°10'49	18° 6	26°29	9° 1	13°50	22♎10	11° 3	20♍ 9	0♌26	15°18	4♊43	5°13	20° 1	n.a.	W 2
T 3	10 28 37	9° 9'52	1♉52	27°48	10°13	14°36	22° 6	11°11	20° 7	0°25	15°18	4°37	5°10	20° 8	n.a.	T 3
F 4	10 32 33	10° 8'53	15°45	29° 1	11°25	15°21	22° 2	11°19	20° 4	0°24	15°19	4°34	5° 7	20°14	n.a.	F 4
S 5	10 36 30	11° 7'52	29°43	0♈ 8	12°38	16° 6	21°58	11°26	20° 2	0°23	15°19	4°34	5° 4	20°21	n.a.	S 5
S 6	10 40 26	12° 6'48	13♊47	1°10	13°50	16°51	21°54	11°34	19°59	0°21	15°20	4°34	5° 1	20°27	n.a.	S 6
M 7	10 44 23	13° 5'41	27°55	2° 5	15° 2	17°36	21°49	11°42	19°56	0°20	15°20	4°33	4°57	20°34	n.a.	M 7
T 8	10 48 20	14° 4'33	12♋ 7	2°53	16°15	18°21	21°45	11°49	19°54	0°19	15°21	4°31	4°54	20°41	n.a.	T 8
W 9	10 52 16	15° 3'21	26°20	3°35	17°27	19° 6	21°40	11°57	19°51	0°18	15°21	4°26	4°51	20°47	n.a.	W 9
T 10	10 56 13	16° 2'08	10♌32	4°11	18°39	19°51	21°35	12° 4	19°49	0°17	15°22	4°18	4°48	20°54	n.a.	T 10
F 11	11 0 9	17° 0'52	24°38	4°40	19°51	20°35	21°30	12°12	19°46	0°16	15°22	4° 8	4°45	21° 1	n.a.	F 11
S 12	11 4 6	17°59'34	8♍33	5° 2	21° 2	21°20	21°25	12°20	19°44	0°15	15°22	3°57	4°42	21° 7	n.a.	S 12
S 13	11 8 2	18°58'14	22°14	5°18	22°14	22° 5	21°20	12°27	19°41	0°14	15°22	3°45	4°38	21°14	n.a.	S 13
M14	11 11 59	19°56'51	5♎37	5°27	23°26	22°50	21°14	12°35	19°39	0°13	15°23	3°34	4°35	21°21	n.a.	M14
T 15	11 15 55	20°55'27	18°39	5°R30	24°38	23°34	21° 9	12°43	19°36	0°12	15°23	3°25	4°32	21°27	n.a.	T 15
W16	11 19 52	21°54'01	1♏22	5°27	25°49	24°19	21° 3	12°50	19°33	0°11	15°23	3°18	4°29	21°34	n.a.	W16
T 17	11 23 49	22°52'33	13°45	5°18	27° 1	25° 3	20°57	12°58	19°31	0°10	15°23	3°14	4°26	21°41	n.a.	T 17
F 18	11 27 45	23°51'03	25°53	5° 3	28°12	25°48	20°51	13° 5	19°28	0° 9	15°23	3°13	4°23	21°47	n.a.	F 18
S 19	11 31 42	24°49'32	7♐50	4°43	29°23	26°32	20°45	13°13	19°26	0° 8	15°23	3°D12	4°19	21°54	n.a.	S 19
S 20	11 35 38	25°47'59	19°40	4°18	0♑35	27°17	20°39	13°20	19°23	0° 8	15°23	3°13	4°16	22° 1	n.a.	S 20
M21	11 39 35	26°46'24	1♑29	3°49	1°46	28° 1	20°33	13°28	19°21	0° 7	15°R23	3°R13	4°13	22° 7	n.a.	M21
T 22	11 43 31	27°44'47	13°22	3°16	2°57	28°45	20°26	13°35	19°18	0° 6	15°23	3°12	4°10	22°14	n.a.	T 22
W23	11 47 28	28°43'09	25°25	2°40	4° 8	29°29	20°20	13°43	19°16	0° 5	15°23	3° 8	4° 7	22°21	n.a.	W23
T 24	11 51 24	29°41'29	7♒41	2° 2	5°19	0♈14	20°13	13°50	19°13	0° 5	15°23	3° 3	4° 3	22°27	n.a.	T 24
F 25	11 55 21	0♈39'47	20°15	1°22	6°30	0°58	20° 6	13°58	19°11	0° 4	15°23	2°55	4° 0	22°34	n.a.	F 25
S 26	11 59 17	1°38'04	3♓ 9	0°42	7°41	1°42	20° 0	14° 5	19° 8	0° 3	15°23	2°45	3°57	22°41	n.a.	S 26
S 27	12 3 14	2°36'19	16°23	0° 1	8°51	2°26	19°53	14°13	19° 6	0° 3	15°23	2°35	3°54	22°47	n.a.	S 27
M28	12 7 11	3°34'32	29°57	29♓21	10° 2	3°10	19°46	14°20	19° 3	0° 2	15°23	2°25	3°51	22°54	n.a.	M28
T 29	12 11 7	4°32'43	13♈47	28°43	11°12	3°54	19°39	14°27	19° 1	0° 2	15°22	2°16	3°48	23° 0	n.a.	T 29
W30	12 15 4	5°30'52	27°50	28° 6	12°23	4°38	19°31	14°35	18°58	0° 1	15°22	2°10	3°44	23° 7	n.a.	W30
T 31	12 19 0	6♈29'00	12♉ 1	27♓32	13♉33	5♈21	19♎24	14♓42	18♍56	0♌ 1	15♐22	2♊ 6	3♊41	23♐14	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	8s58	2s12	4s21	0s26	1n41	3n 1	0s 8	7s27	0s47	7s23	1n29	9s32	2s 8	4n39	0n47	20n46	0n30	20s44	2n10	21n21	21n26	24s38			n.a.
W 2	8 36	3n49	3 39	0n19	1 53	3 32	0 5	7 9	0 47	7 21	1 29	9 29	2 8	4 40	0 47	20 47	0 30	20 45	2 10	21 20	21 25	24 39			n.a.
T 3	8 14	9 42	2 44	1 1	2 5	4 4	0 2	6 51	0 46	7 20	1 29	9 26	2 8	4 41	0 47	20 47	0 30	20 45	2 10	21 19	21 25	24 41			n.a.
F 4	7 51	15 11	1 38	1 40	2 15	4 36	0n 1	6 32	0 46	7 18	1 29	9 23	2 8	4 42	0 47	20 47	0 30	20 45	2 10	21 18	21 24	24 42			n.a.
S 5	7 29	19 55	0 26	2 17	2 26	5 7	0 5	6 14	0 45	7 16	1 30	9 20	2 8	4 43	0 47	20 47	0 30	20 45	2 10	21 18	21 24	24 43			n.a.
S 6	7 6	23 32	0n49	2 50	2 36	5 38	0 8	5 56	0 45	7 15	1 30	9 17	2 8	4 44	0 47	20 48	0 30	20 45	2 10	21 18	21 23	24 45			n.a.
M 7	6 43	25 43	2 0	3 21	2 45	6 9	0 11	5 38	0 44	7 13	1 30	9 14	2 8	4 45	0 47	20 48	0 30	20 45	2 10	21 18	21 23	24 46			n.a.
T 8	6 20	26 14	3 5	3 48	2 53	6 40	0 14	5 20	0 44	7 11	1 30	9 11	2 8	4 46	0 47	20 48	0 30	20 45	2 10	21 18	21 22	24 47			n.a.
W 9	5 57	25 1	3 58	4 11	3 0	7 11	0 17	5 1	0 43	7 9	1 30	9 8	2 8	4 47	0 47	20 48	0 30	20 45	2 10	21 17	21 21	24 49			n.a.
T 10	5 34	22 13	4 36	4 31	3 6	7 42	0 20	4 43	0 43	7 7	1 30	9 5	2 8	4 48	0 47	20 49	0 30	20 45	2 10	21 15	21 21	24 50			n.a.
F 11	5 11	18 7	4 57	4 48	3 11	8 12	0 23	4 25	0 42	7 5	1 30	9 2	2 8	4 49	0 47	20 49	0 30	20 45	2 10	21 13	21 20	24 51			n.a.
S 12	4 48	13 5	5 0	5 0	3 15	8 43	0 26	4 6	0 41	7 3	1 30	8 59	2 8	4 50	0 47	20 49	0 30	20 45	2 10	21 11	21 20	24 53			n.a.
S 13	4 25	7 29	4 46	5 9	3 18	9 13	0 30	3 48	0 41	7 1	1 31	8 56	2 9	4 51	0 47	20 49	0 30	20 45	2 10	21 9	21 19	24 54			n.a.
M14	4 2	1 39	4 16	5 14	3 19	9 43	0 33	3 30	0 40	6 59	1 31	8 54	2 9	4 52	0 47	20 50	0 30	20 45	2 10	21 7	21 18	24 55			n.a.
T 15	3 38	4s 7	3 33	5 15	3 19	10 12	0 36	3 11	0 40	6 57	1 31	8 51	2 9	4 53	0 47	20 50	0 30	20 45	2 10	21 5	21 18	24 56			n.a.
W16	3 15	9 35	2 41	5 13	3 18	10 42	0 39	2 53	0 39	6 54	1 31	8 48	2 9	4 54	0 47	20 50	0 30	20 46	2 10	21 4	21 17	24 58			n.a.
T 17	2 52	14 32	1 42	5 6	3 15	11 11	0 42	2 35	0 39	6 52	1 31	8 45	2 9	4 55	0 47	20 50	0 30	20 46	2 10	21 3	21 17	24 59			n.a.
F 18	2 28	18 50	0 39	4 56	3 11	11 40	0 46	2 16	0 38	6 50	1 31	8 42	2 9	4 56	0 47	20 50	0 30	20 46	2 10	21 3	21 16	25 0			n.a.
S 19	2 5	22 17	0s25	4 43	3 5	12 9	0 49	1 58	0 38	6 47	1 31	8 39	2 9	4 57	0 47	20 50	0 30	20 46	2 10	21 3	21 16	25 2			n.a.
S 20	1 41	24 45	1 27	4 26	2 58	12 37	0 52	1 40	0 37	6 45	1 31	8 36	2 9	4 58	0 47	20 51	0 30	20 46	2 10	21 3	21 15	25 3			n.a.
M21	1 18	26 8	2 25	4 7	2 49	13 5	0 55	1 21	0 37	6 43	1 31	8 33	2 9	4 59	0 47	20 51	0 30	20 46	2 10	21 3	21 14	25 4			n.a.
T 22	0 54	26 19	3 17	3 44	2 39	13 33	0 58	1 3	0 36	6 40	1 31	8 31	2 9	5 0	0 47	20 51	0 30	20 46	2 10	21 3	21 14	25 5			n.a.
W23	0 31	25 15	4 1	3 20	2 28	14 1	1 1	0 45	0 36	6 37	1 31	8 28	2 9	5 1	0 47	20 51	0 30	20 46	2 10	21 2	21 13	25 7			n.a.
T 24	0 7	22 59	4 35	2 53	2 15	14 28	1 5	0 27	0 35	6 35	1 32	8 25	2 9	5 2	0 47	20 51	0 30	20 46	2 10	21 1	21 13	25 8			n.a.
F 25	0n16	19 35	4 57	2 24	2 2	14 55	1 8	0 8	0 34	6 32	1 32	8 22	2 9	5 3	0 47	20 51	0 30	20 46	2 10	20 59	21 12	25 9			n.a.
S 26	0 39	15 11	5 4	1 55	1 47	15 21	1 11	0n10	0 34	6 30	1 32	8 19	2 9	5 4	0 47	20 52	0 30	20 46	2 9	20 57	21 11	25 10			n.a.
S 27	1 3	9 57	4 55	1 24	1 32	15 47	1 14	0 28	0 33	6 27	1 32	8 16	2 10	5 5	0 47	20 52	0 30	20 46	2 9	20 55	21 11	25 11			n.a.
M28	1 26	4 8	4 30	0 54	1 16	16 13	1 17	0 46	0 33	6 24	1 32	8 14	2 10	5 6	0 47	20 52	0 30	20 46	2 9	20 53	21 10	25 13			n.a.
T 29	1 50	2n 0	3 49	0 23	0 59	16 38	1 20	1 4	0 32	6 22	1 32	8 11	2 10	5 7	0 47	20 52	0 30	20 46	2 9	20 52	21 10	25 14			n.a.
W30	2 13	8 8	2 53	0s 7	0 43	17 3	1 23	1 23	0 32	6 19	1 32	8 8	2 10	5 8	0 47	20 52	0 30	20 46	2 9	20 50	21 9	25 15			n.a.
T 31	2n36	13n57	1s45	0s36	0n26	17n28	1n26	1n41	0s31	6s16	1n32	8s 5	2s10	5n 9	0n47	20n52	0n30	20s46	2n 9	20n50	21n 8	25s16			n.a.

Julian Day Number = 1643684.5, Delta T = 03h34m57s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'27, Lahiri = - 6°53'26 Julian Calendar 1 March 213 BCE == Greg. Calendar 26 Feb. 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

APRIL 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 22 57	7♈27'05	26♉16	27°R 0	14♉43	6♈ 5	19°R17	14♓49	18°R53	0°R 0	15°R22	2°D 4	3♊38	23♐20	n.a.	F 1
S 2	12 26 53	8°25'09	10♊32	26♓33	15°53	6°49	19♎10	14°57	18♍51	29♋59	15♐21	2♊ 4	3°35	23°27	n.a.	S 2
S 3	12 30 50	9°23'11	24°45	26° 9	17° 3	7°32	19° 2	15° 4	18°49	29°59	15°21	2° 5	3°32	23°34	n.a.	S 3
M 4	12 34 46	10°21'10	8♋55	25°49	18°13	8°16	18°55	15°11	18°46	29°59	15°20	2°R 6	3°28	23°40	n.a.	M 4
T 5	12 38 43	11°19'08	23° 0	25°34	19°23	9° 0	18°47	15°18	18°44	29°59	15°20	2° 5	3°25	23°47	n.a.	T 5
W 6	12 42 40	12°17'03	6♌57	25°23	20°33	9°43	18°40	15°25	18°42	29°59	15°20	2° 2	3°22	23°54	n.a.	W 6
T 7	12 46 36	13°14'57	20°47	25°17	21°42	10°27	18°32	15°32	18°39	29°58	15°19	1°58	3°19	24° 0	n.a.	T 7
F 8	12 50 33	14°12'49	4♍28	25°D16	22°52	11°10	18°25	15°39	18°37	29°58	15°19	1°52	3°16	24° 7	n.a.	F 8
S 9	12 54 29	15°10'38	17°57	25°19	24° 1	11°53	18°17	15°46	18°35	29°58	15°18	1°44	3°13	24°14	n.a.	S 9
S 10	12 58 26	16° 8'26	1♎13	25°27	25°10	12°37	18° 9	15°53	18°33	29°58	15°17	1°36	3° 9	24°20	n.a.	S 10
M11	13 2 22	17° 6'13	14°15	25°40	26°20	13°20	18° 2	16° 0	18°31	29°58	15°17	1°29	3° 6	24°27	n.a.	M11
T 12	13 6 19	18° 3'58	27° 0	25°57	27°29	14° 3	17°54	16° 7	18°28	29°58	15°16	1°23	3° 3	24°34	n.a.	T 12
W13	13 10 15	19° 1'41	9♏31	26°19	28°37	14°46	17°46	16°14	18°26	29°58	15°16	1°19	3° 0	24°40	n.a.	W13
T 14	13 14 12	19°59'23	21°47	26°45	29°46	15°29	17°39	16°21	18°24	29°D58	15°15	1°17	2°57	24°47	n.a.	T 14
F 15	13 18 9	20°57'04	3♐51	27°15	0♊55	16°12	17°31	16°28	18°22	29°58	15°14	1°D16	2°54	24°54	n.a.	F 15
S 16	13 22 5	21°54'44	15°46	27°49	2° 3	16°55	17°24	16°35	18°20	29°58	15°13	1°17	2°50	25° 0	n.a.	S 16
S 17	13 26 2	22°52'22	27°36	28°27	3°12	17°38	17°16	16°41	18°18	29°58	15°13	1°19	2°47	25° 7	n.a.	S 17
M18	13 29 58	23°49'59	9♑25	29° 9	4°20	18°21	17° 8	16°48	18°16	29°58	15°12	1°20	2°44	25°14	n.a.	M18
T 19	13 33 55	24°47'36	21°19	29°55	5°28	19° 4	17° 1	16°55	18°14	29°58	15°11	1°R21	2°41	25°20	n.a.	T 19
W20	13 37 51	25°45'11	3♒22	0♈44	6°36	19°46	16°53	17° 1	18°13	29°58	15°10	1°21	2°38	25°27	n.a.	W20
T 21	13 41 48	26°42'45	15°39	1°37	7°44	20°29	16°46	17° 8	18°11	29°58	15°10	1°19	2°34	25°34	n.a.	T 21
F 22	13 45 44	27°40'17	28°15	2°33	8°52	21°12	16°38	17°14	18° 9	29°59	15° 9	1°16	2°31	25°40	n.a.	F 22
S 23	13 49 41	28°37'49	11♓13	3°32	9°59	21°54	16°31	17°20	18° 7	29°59	15° 8	1°12	2°28	25°47	n.a.	S 23
S 24	13 53 38	29°35'20	24°34	4°35	11° 7	22°37	16°24	17°27	18° 5	29°59	15° 7	1° 7	2°25	25°54	n.a.	S 24
M25	13 57 34	0♉32'50	8♈19	5°40	12°14	23°19	16°17	17°33	18° 4	29°59	15° 6	1° 2	2°22	26° 0	n.a.	M25
T 26	14 1 31	1°30'19	22°25	6°49	13°21	24° 2	16° 9	17°39	18° 2	29°59	15° 5	0°58	2°19	26° 7	n.a.	T 26
W27	14 5 27	2°27'46	6♉49	8° 0	14°28	24°44	16° 2	17°46	18° 0	0♌ 0	15° 4	0°55	2°15	26°13	n.a.	W27
T 28	14 9 24	3°25'13	21°24	9°14	15°35	25°27	15°55	17°52	17°59	0° 1	15° 3	0°54	2°12	26°20	n.a.	T 28
F 29	14 13 20	4°22'39	6♊ 5	10°32	16°41	26° 9	15°48	17°58	17°57	0° 1	15° 2	0°D54	2° 9	26°27	n.a.	F 29
S 30	14 17 17	5♉20'03	20♊44	11♈51	17♊48	26♈51	15♎41	18♓ 4	17♍56	0♌ 2	15♐ 1	0♊55	2♊ 6	26♐33	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n59	19n 3	0s31	1s 4	0n 9	17n52	1n29	1n59	0s30	6s13	1n32	8s 2	2s10	5n10	0n47	20n52	0n30	20s46	2n 9	20n49	21n 8	25s17		n.a.
S 2	3 23	23 2	0n45	1 30	0s 7	18 15	1 32	2 17	0 30	6 10	1 32	8 0	2 10	5 11	0 47	20 52	0 30	20 46	2 9	20 49	21 7	25 19		n.a.
S 3	3 46	25 36	1 59	1 54	0 23	18 38	1 35	2 35	0 29	6 8	1 32	7 57	2 10	5 12	0 47	20 52	0 30	20 46	2 9	20 49	21 6	25 20		n.a.
M 4	4 9	26 30	3 5	2 17	0 39	19 1	1 38	2 53	0 29	6 5	1 32	7 54	2 10	5 13	0 47	20 52	0 30	20 46	2 9	20 50	21 6	25 21		n.a.
T 5	4 32	25 40	3 59	2 37	0 54	19 23	1 40	3 10	0 28	6 2	1 32	7 52	2 11	5 13	0 47	20 52	0 30	20 46	2 9	20 49	21 5	25 22		n.a.
W 6	4 55	23 14	4 39	2 54	1 9	19 45	1 43	3 28	0 28	5 59	1 32	7 49	2 11	5 14	0 47	20 53	0 30	20 46	2 9	20 49	21 5	25 23		n.a.
T 7	5 17	19 29	5 2	3 9	1 23	20 7	1 46	3 46	0 27	5 56	1 32	7 46	2 11	5 15	0 47	20 53	0 30	20 46	2 9	20 48	21 4	25 24		n.a.
F 8	5 40	14 44	5 7	3 22	1 36	20 27	1 49	4 4	0 26	5 53	1 32	7 44	2 11	5 16	0 47	20 53	0 30	20 46	2 9	20 47	21 3	25 25		n.a.
S 9	6 3	9 20	4 55	3 32	1 48	20 48	1 51	4 21	0 26	5 50	1 32	7 41	2 11	5 17	0 47	20 53	0 30	20 46	2 9	20 45	21 3	25 27		n.a.
S 10	6 25	3 36	4 28	3 39	2 0	21 7	1 54	4 39	0 25	5 48	1 32	7 38	2 11	5 18	0 47	20 53	0 30	20 46	2 9	20 44	21 2	25 28		n.a.
M11	6 48	2s12	3 47	3 44	2 10	21 27	1 56	4 57	0 25	5 45	1 31	7 36	2 11	5 19	0 47	20 53	0 30	20 46	2 9	20 42	21 2	25 29		n.a.
T 12	7 10	7 49	2 55	3 46	2 20	21 45	1 59	5 14	0 24	5 42	1 31	7 33	2 11	5 19	0 47	20 53	0 30	20 46	2 9	20 41	21 1	25 30		n.a.
W13	7 32	13 1	1 55	3 45	2 29	22 3	2 1	5 32	0 23	5 39	1 31	7 31	2 12	5 20	0 47	20 53	0 30	20 46	2 9	20 40	21 0	25 31		n.a.
T 14	7 54	17 36	0 51	3 42	2 37	22 21	2 3	5 49	0 23	5 36	1 31	7 28	2 12	5 21	0 47	20 53	0 30	20 46	2 9	20 40	21 0	25 32		n.a.
F 15	8 16	21 24	0s14	3 37	2 44	22 38	2 6	6 6	0 22	5 33	1 31	7 25	2 12	5 22	0 47	20 53	0 30	20 46	2 9	20 39	20 59	25 33		n.a.
S 16	8 38	24 15	1 18	3 28	2 50	22 54	2 8	6 23	0 22	5 30	1 31	7 23	2 12	5 23	0 47	20 53	0 29	20 46	2 9	20 40	20 58	25 34		n.a.
S 17	9 0	26 0	2 18	3 18	2 56	23 10	2 10	6 41	0 21	5 28	1 31	7 20	2 12	5 23	0 46	20 53	0 29	20 46	2 9	20 40	20 58	25 35		n.a.
M18	9 21	26 35	3 13	3 5	3 0	23 25	2 12	6 58	0 21	5 25	1 31	7 18	2 12	5 24	0 46	20 53	0 29	20 46	2 9	20 40	20 57	25 36		n.a.
T 19	9 43	25 57	3 59	2 50	3 4	23 40	2 14	7 15	0 20	5 22	1 31	7 15	2 13	5 25	0 46	20 53	0 29	20 46	2 9	20 40	20 57	25 37		n.a.
W20	10 4	24 6	4 36	2 33	3 7	23 54	2 16	7 31	0 19	5 19	1 31	7 13	2 13	5 26	0 46	20 53	0 29	20 45	2 8	20 40	20 56	25 39		n.a.
T 21	10 25	21 6	5 1	2 14	3 9	24 7	2 18	7 48	0 19	5 16	1 31	7 11	2 13	5 26	0 46	20 53	0 29	20 45	2 8	20 40	20 55	25 40		n.a.
F 22	10 46	17 5	5 12	1 53	3 10	24 20	2 20	8 5	0 18	5 14	1 30	7 8	2 13	5 27	0 46	20 52	0 29	20 45	2 8	20 39	20 55	25 41		n.a.
S 23	11 7	12 10	5 7	1 30	3 11	24 32	2 21	8 22	0 18	5 11	1 30	7 6	2 13	5 28	0 46	20 52	0 29	20 45	2 8	20 39	20 54	25 42		n.a.
S 24	11 27	6 34	4 47	1 4	3 11	24 44	2 23	8 38	0 17	5 8	1 30	7 3	2 13	5 28	0 46	20 52	0 29	20 45	2 8	20 38	20 53	25 43		n.a.
M25	11 48	0 28	4 9	0 37	3 10	24 55	2 24	8 55	0 16	5 5	1 30	7 1	2 14	5 29	0 46	20 52	0 29	20 45	2 8	20 37	20 53	25 44		n.a.
T 26	12 8	5n48	3 15	0 9	3 8	25 5	2 26	9 11	0 16	5 3	1 30	6 59	2 14	5 30	0 46	20 52	0 29	20 45	2 8	20 36	20 52	25 45		n.a.
W27	12 28	11 56	2 8	0n22	3 6	25 14	2 27	9 28	0 15	5 0	1 30	6 57	2 14	5 30	0 46	20 52	0 29	20 45	2 8	20 35	20 51	25 46		n.a.
T 28	12 48	17 29	0 52	0 54	3 3	25 23	2 28	9 44	0 14	4 58	1 30	6 54	2 14	5 31	0 46	20 52	0 29	20 45	2 8	20 35	20 51	25 47		n.a.
F 29	13 8	22 3	0n28	1 28	3 0	25 32	2 30	10 0	0 14	4 55	1 29	6 52	2 14	5 31	0 46	20 52	0 29	20 45	2 8	20 35	20 50	25 48		n.a.
S 30	13n27	25n10	1n47	2n 3	2s56	25n39	2n31	10n16	0s13	4s53	1n29	6s50	2s14	5n32	0n46	20n52	0n29	20s45	2n 8	20n35	20n50	25s49		n.a.

Julian Day Number = 1643715.5, Delta T = 03h34m56s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'23, Lahiri = - 6°53'22 Julian Calendar 1 Apr. 213 BCE == Greg. Calendar 28 March 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

MAY 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 21 13	6♉17'26	5♋17	13♈14	18♊54	27♈33	15°R35	18♓10	17°R54	0♎ 2	15°R 0	0♊56	2♊ 3	26♐40	n.a.	S 1
M 2	14 25 10	7°14'48	19°39	14°39	20° 0	28°16	15♎28	18°16	17♍53	0° 3	14♐59	0°57	2° 0	26°47	n.a.	M 2
T 3	14 29 7	8°12'08	3♎48	16° 7	21° 6	28°58	15°21	18°22	17°52	0° 3	14°58	0°R58	1°56	26°53	n.a.	T 3
W 4	14 33 3	9° 9'28	17°42	17°38	22°12	29°40	15°15	18°27	17°50	0° 4	14°57	0°58	1°53	27° 0	n.a.	W 4
T 5	14 37 0	10° 6'46	1♍20	19°11	23°18	0♉22	15° 9	18°33	17°49	0° 5	14°55	0°57	1°50	27° 7	n.a.	T 5
F 6	14 40 56	11° 4'02	14°43	20°47	24°23	1° 4	15° 2	18°39	17°48	0° 5	14°54	0°55	1°47	27°13	n.a.	F 6
S 7	14 44 53	12° 1'18	27°50	22°25	25°28	1°46	14°56	18°45	17°47	0° 6	14°53	0°52	1°44	27°20	n.a.	S 7
S 8	14 48 49	12°58'33	10♎44	24° 6	26°33	2°27	14°50	18°50	17°46	0° 7	14°52	0°50	1°40	27°27	n.a.	S 8
M 9	14 52 46	13°55'47	23°24	25°50	27°38	3° 9	14°44	18°56	17°45	0° 8	14°51	0°47	1°37	27°33	n.a.	M 9
T 10	14 56 42	14°53'00	5♏51	27°36	28°42	3°51	14°38	19° 1	17°44	0° 8	14°49	0°45	1°34	27°40	n.a.	T 10
W11	15 0 39	15°50'12	18° 7	29°24	29°46	4°33	14°33	19° 6	17°43	0° 9	14°48	0°44	1°31	27°47	n.a.	W11
T 12	15 4 36	16°47'24	0♐12	1♉15	0♋50	5°14	14°27	19°12	17°42	0°10	14°47	0°D44	1°28	27°53	n.a.	T 12
F 13	15 8 32	17°44'35	12°10	3° 9	1°54	5°56	14°22	19°17	17°41	0°11	14°46	0°44	1°25	28° 0	n.a.	F 13
S 14	15 12 29	18°41'45	24° 2	5° 5	2°58	6°37	14°17	19°22	17°40	0°12	14°44	0°45	1°21	28° 7	n.a.	S 14
S 15	15 16 25	19°38'55	5♑50	7° 3	4° 1	7°19	14°12	19°27	17°39	0°13	14°43	0°46	1°18	28°13	n.a.	S 15
M16	15 20 22	20°36'05	17°40	9° 3	5° 4	8° 0	14° 7	19°32	17°39	0°14	14°42	0°47	1°15	28°20	n.a.	M16
T 17	15 24 18	21°33'15	29°34	11° 6	6° 7	8°42	14° 2	19°37	17°38	0°15	14°40	0°48	1°12	28°27	n.a.	T 17
W18	15 28 15	22°30'24	11♒37	13°10	7° 9	9°23	13°57	19°42	17°37	0°16	14°39	0°48	1° 9	28°33	n.a.	W18
T 19	15 32 11	23°27'33	23°53	15°16	8°12	10° 4	13°53	19°46	17°37	0°17	14°38	0°R48	1° 6	28°40	n.a.	T 19
F 20	15 36 8	24°24'42	6♓27	17°23	9°14	10°45	13°48	19°51	17°36	0°18	14°36	0°48	1° 2	28°47	n.a.	F 20
S 21	15 40 5	25°21'51	19°23	19°32	10°15	11°27	13°44	19°56	17°36	0°19	14°35	0°48	0°59	28°53	n.a.	S 21
S 22	15 44 1	26°18'59	2♈43	21°42	11°17	12° 8	13°40	20° 0	17°35	0°20	14°33	0°47	0°56	29° 0	n.a.	S 22
M23	15 47 58	27°16'08	16°28	23°52	12°18	12°49	13°36	20° 5	17°35	0°22	14°32	0°47	0°53	29° 7	n.a.	M23
T 24	15 51 54	28°13'16	0♉40	26° 3	13°18	13°30	13°33	20° 9	17°34	0°23	14°31	0°47	0°50	29°13	n.a.	T 24
W25	15 55 51	29°10'25	15°13	28°14	14°19	14°11	13°29	20°13	17°34	0°24	14°29	0°46	0°46	29°20	n.a.	W25
T 26	15 59 47	0♊ 7'33	0♊ 4	0♊25	15°19	14°52	13°26	20°18	17°34	0°25	14°28	0°D46	0°43	29°27	n.a.	T 26
F 27	16 3 44	1° 4'41	15° 4	2°36	16°19	15°33	13°22	20°22	17°34	0°27	14°26	0°R46	0°40	29°33	n.a.	F 27
S 28	16 7 41	2° 1'50	0♋ 5	4°46	17°18	16°14	13°19	20°26	17°34	0°28	14°25	0°46	0°37	29°40	n.a.	S 28
S 29	16 11 37	2°58'57	15° 0	6°55	18°17	16°54	13°17	20°30	17°34	0°29	14°24	0°46	0°34	29°47	n.a.	S 29
M30	16 15 34	3°56'05	29°40	9° 4	19°16	17°35	13°14	20°34	17°D34	0°31	14°22	0°46	0°31	29°53	n.a.	M30
T 31	16 19 30	4♊53'12	14♎ 1	11♊11	20♋14	18♉16	13♎11	20♓37	17♍34	0♎32	14♐21	0♊46	0♊27	29♐59	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	13n47	26n35	2n58	2n40	2s51	25n46	2n31	10n32	0s13	4s50	1n29	6s48	2s15	5n32	0n46	20n52	0n29	20s45	2n 8	20n35		20n49		25s50			n.a.
M 2	14 6	26 10	3 57	3 18	2 46	25 52	2 32	10 48	0 12	4 48	1 29	6 45	2 15	5 33	0 46	20 52	0 29	20 45	2 8	20 35		20 48		25 51			n.a.
T 3	14 24	24 4	4 40	3 58	2 40	25 58	2 33	11 3	0 11	4 45	1 29	6 43	2 15	5 33	0 46	20 51	0 29	20 45	2 8	20 36		20 48		25 52			n.a.
W 4	14 43	20 34	5 7	4 39	2 33	26 3	2 34	11 19	0 11	4 43	1 28	6 41	2 15	5 34	0 46	20 51	0 29	20 45	2 8	20 36		20 47		25 53			n.a.
T 5	15 1	16 1	5 15	5 21	2 26	26 7	2 34	11 34	0 10	4 41	1 28	6 39	2 15	5 34	0 46	20 51	0 29	20 45	2 8	20 35		20 46		25 54			n.a.
F 6	15 19	10 47	5 6	6 4	2 18	26 11	2 35	11 50	0 10	4 38	1 28	6 37	2 16	5 35	0 46	20 51	0 29	20 45	2 8	20 35		20 46		25 54			n.a.
S 7	15 37	5 9	4 41	6 49	2 10	26 13	2 35	12 5	0 9	4 36	1 28	6 35	2 16	5 35	0 46	20 51	0 29	20 45	2 8	20 34		20 45		25 55			n.a.
S 8	15 55	0s35	4 2	7 34	2 2	26 16	2 35	12 20	0 8	4 34	1 28	6 33	2 16	5 36	0 46	20 51	0 29	20 44	2 7	20 34		20 44		25 56			n.a.
M 9	16 12	6 13	3 12	8 21	1 53	26 17	2 35	12 35	0 8	4 32	1 27	6 31	2 16	5 36	0 46	20 50	0 29	20 44	2 7	20 33		20 44		25 57			n.a.
T 10	16 30	11 32	2 13	9 8	1 44	26 18	2 35	12 50	0 7	4 30	1 27	6 29	2 17	5 36	0 46	20 50	0 29	20 44	2 7	20 33		20 43		25 58			n.a.
W11	16 46	16 19	1 9	9 56	1 34	26 18	2 35	13 5	0 6	4 28	1 27	6 27	2 17	5 37	0 46	20 50	0 29	20 44	2 7	20 33		20 42		25 59			n.a.
T 12	17 3	20 23	0 3	10 44	1 24	26 18	2 35	13 20	0 6	4 26	1 27	6 25	2 17	5 37	0 46	20 50	0 29	20 44	2 7	20 33		20 42		26 0			n.a.
F 13	17 19	23 33	1s 3	11 34	1 13	26 17	2 34	13 34	0 5	4 24	1 27	6 23	2 17	5 37	0 46	20 50	0 29	20 44	2 7	20 33		20 41		26 1			n.a.
S 14	17 35	25 41	2 6	12 23	1 3	26 15	2 34	13 49	0 5	4 22	1 26	6 22	2 17	5 38	0 46	20 49	0 29	20 44	2 7	20 33		20 41		26 2			n.a.
S 15	17 51	26 38	3 3	13 12	0 52	26 13	2 33	14 3	0 4	4 21	1 26	6 20	2 18	5 38	0 45	20 49	0 29	20 44	2 7	20 33		20 40		26 3			n.a.
M16	18 7	26 22	3 52	14 2	0 41	26 9	2 32	14 17	0 3	4 19	1 26	6 18	2 18	5 38	0 45	20 49	0 29	20 44	2 7	20 33		20 39		26 4			n.a.
T 17	18 22	24 54	4 32	14 51	0 30	26 6	2 31	14 31	0 3	4 17	1 26	6 16	2 18	5 38	0 45	20 49	0 29	20 44	2 7	20 34		20 39		26 4			n.a.
W18	18 37	22 18	5 0	15 40	0 19	26 1	2 30	14 45	0 2	4 16	1 25	6 15	2 18	5 39	0 45	20 49	0 29	20 44	2 7	20 34		20 38		26 5			n.a.
T 19	18 51	18 39	5 15	16 29	0 8	25 56	2 29	14 59	0 2	4 14	1 25	6 13	2 19	5 39	0 45	20 48	0 29	20 44	2 7	20 34		20 37		26 6			n.a.
F 20	19 6	14 7	5 16	17 16	0n 3	25 51	2 27	15 13	0 1	4 13	1 25	6 11	2 19	5 39	0 45	20 48	0 29	20 44	2 7	20 34		20 37		26 7			n.a.
S 21	19 20	8 51	5 1	18 2	0 14	25 45	2 26	15 26	0 0	4 11	1 24	6 10	2 19	5 39	0 45	20 48	0 29	20 43	2 7	20 34		20 36		26 8			n.a.
S 22	19 33	3 1	4 30	18 47	0 24	25 38	2 24	15 40	0n 0	4 10	1 24	6 8	2 19	5 39	0 45	20 48	0 29	20 43	2 6	20 33		20 35		26 9			n.a.
M23	19 47	3n 8	3 42	19 31	0 34	25 31	2 23	15 53	0 1	4 9	1 24	6 6	2 20	5 39	0 45	20 47	0 29	20 43	2 6	20 33		20 35		26 9			n.a.
T 24	20 0	9 21	2 40	20 12	0 44	25 23	2 21	16 6	0 2	4 7	1 24	6 5	2 20	5 39	0 45	20 47	0 29	20 43	2 6	20 33		20 34		26 10			n.a.
W25	20 13	15 14	1 25	20 52	0 53	25 14	2 18	16 19	0 2	4 6	1 23	6 3	2 20	5 39	0 45	20 47	0 29	20 43	2 6	20 33		20 33		26 11			n.a.
T 26	20 25	20 20	0 4	21 29	1 2	25 5	2 16	16 32	0 3	4 5	1 23	6 2	2 20	5 40	0 45	20 47	0 29	20 43	2 6	20 33		20 33		26 12			n.a.
F 27	20 37	24 11	1n19	22 4	1 10	24 56	2 14	16 45	0 3	4 4	1 23	6 1	2 21	5 40	0 45	20 46	0 29	20 43	2 6	20 33		20 32		26 13			n.a.
S 28	20 49	26 19	2 36	22 37	1 18	24 45	2 11	16 57	0 4	4 3	1 23	5 59	2 21	5 40	0 45	20 46	0 29	20 43	2 6	20 33		20 31		26 14			n.a.
S 29	21 0	26 32	3 42	23 7	1 25	24 35	2 8	17 10	0 5	4 2	1 22	5 58	2 21	5 40	0 45	20 46	0 29	20 43	2 6	20 33		20 31		26 14			n.a.
M30	21 11	24 53	4 32	23 34	1 31	24 23	2 6	17 22	0 5	4 2	1 22	5 57	2 21	5 40	0 45	20 45	0 29	20 43	2 6	20 33		20 30		26 15			n.a.
T 31	21n22	21n39	5n 4	23n58	1n37	24n12	2n 3	17n34	0n 6	4s 1	1n22	5s55	2s22	5n39	0n45	20n45	0n29	20s43	2n 6	20n33		20n29		26s16			n.a.

Julian Day Number = 1643745.5, Delta T = 03h34m55s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'19, Lahiri = - 6°53'18 Julian Calendar 1 May 213 BCE == Greg. Calendar 27 Apr. 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

JUNE 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 23 27	5♊50'19	28♌ 0	13♊16	21♋12	18♉57	13°R 9	20♓41	17♍34	0♌34	14°R19	0°R45	0♊24	0♂ 7	n.a.	W 1
T 2	16 27 23	6°47'25	11♍37	15°20	22° 9	19°37	13♎ 7	20°45	17°34	0°35	14♐18	0°D45	0°21	0°13	n.a.	T 2
F 3	16 31 20	7°44'31	24°51	17°23	23° 6	20°18	13° 5	20°48	17°34	0°37	14°16	0♊46	0°18	0°20	n.a.	F 3
S 4	16 35 16	8°41'37	7♎46	19°23	24° 3	20°58	13° 3	20°52	17°34	0°38	14°15	0°46	0°15	0°27	n.a.	S 4
S 5	16 39 13	9°38'43	20°24	21°22	24°59	21°39	13° 2	20°55	17°35	0°40	14°13	0°47	0°11	0°33	n.a.	S 5
M 6	16 43 10	10°35'49	2♏48	23°20	25°54	22°19	13° 0	20°58	17°35	0°41	14°12	0°48	0° 8	0°40	n.a.	M 6
T 7	16 47 6	11°32'55	14°59	25°15	26°49	23° 0	12°59	21° 2	17°35	0°43	14°10	0°49	0° 5	0°47	n.a.	T 7
W 8	16 51 3	12°30'01	27° 2	27° 8	27°44	23°40	12°58	21° 5	17°36	0°44	14° 9	0°R49	0° 2	0°53	n.a.	W 8
T 9	16 54 59	13°27'07	8♐59	29° 0	28°38	24°20	12°57	21° 8	17°36	0°46	14° 7	0°49	29♉59	1° 0	n.a.	T 9
F 10	16 58 56	14°24'13	20°50	0♋49	29°31	25° 0	12°56	21°10	17°37	0°48	14° 6	0°48	29°56	1° 7	n.a.	F 10
S 11	17 2 52	15°21'20	2♑40	2°37	0♌24	25°41	12°56	21°13	17°38	0°49	14° 4	0°47	29°52	1°13	n.a.	S 11
S 12	17 6 49	16°18'28	14°29	4°22	1°16	26°21	12°55	21°16	17°38	0°51	14° 3	0°45	29°49	1°20	n.a.	S 12
M13	17 10 45	17°15'36	26°20	6° 6	2° 8	27° 1	12°D55	21°19	17°39	0°53	14° 1	0°42	29°46	1°27	n.a.	M13
T 14	17 14 42	18°12'44	8♒17	7°48	2°59	27°41	12°55	21°21	17°40	0°54	14° 0	0°40	29°43	1°33	n.a.	T 14
W15	17 18 39	19° 9'53	20°22	9°28	3°49	28°21	12°55	21°23	17°41	0°56	13°58	0°37	29°40	1°40	n.a.	W15
T 16	17 22 35	20° 7'03	2♓39	11° 6	4°39	29° 1	12°56	21°26	17°42	0°58	13°57	0°36	29°37	1°47	n.a.	T 16
F 17	17 26 32	21° 4'13	15°11	12°42	5°27	29°41	12°56	21°28	17°42	1° 0	13°55	0°35	29°33	1°53	n.a.	F 17
S 18	17 30 28	22° 1'24	28° 2	14°16	6°16	0♈21	12°57	21°30	17°43	1° 1	13°54	0°D35	29°30	2° 0	n.a.	S 18
S 19	17 34 25	22°58'37	11♈16	15°48	7° 3	1° 1	12°58	21°32	17°45	1° 3	13°52	0°36	29°27	2° 7	n.a.	S 19
M20	17 38 21	23°55'50	24°55	17°18	7°50	1°40	12°59	21°34	17°46	1° 5	13°51	0°37	29°24	2°13	n.a.	M20
T 21	17 42 18	24°53'04	9♉ 0	18°46	8°35	2°20	13° 0	21°36	17°47	1° 7	13°49	0°38	29°21	2°20	n.a.	T 21
W22	17 46 14	25°50'19	23°31	20°12	9°20	3° 0	13° 2	21°38	17°48	1° 9	13°48	0°R39	29°17	2°27	n.a.	W22
T 23	17 50 11	26°47'35	8♊23	21°37	10° 4	3°40	13° 3	21°39	17°49	1°11	13°47	0°39	29°14	2°33	n.a.	T 23
F 24	17 54 8	27°44'52	23°30	22°59	10°47	4°19	13° 5	21°41	17°50	1°13	13°45	0°38	29°11	2°40	n.a.	F 24
S 25	17 58 4	28°42'09	8♋43	24°19	11°30	4°59	13° 7	21°42	17°52	1°15	13°44	0°35	29° 8	2°47	n.a.	S 25
S 26	18 2 1	29°39'28	23°53	25°37	12°11	5°38	13° 9	21°43	17°53	1°17	13°42	0°32	29° 5	2°53	n.a.	S 26
M27	18 5 57	0♌36'47	8♌49	26°52	12°51	6°18	13°12	21°45	17°55	1°18	13°41	0°28	29° 2	3° 0	n.a.	M27
T 28	18 9 54	1°34'07	23°24	28° 6	13°30	6°57	13°14	21°46	17°56	1°20	13°39	0°24	28°58	3° 7	n.a.	T 28
W29	18 13 50	2°31'27	7♍33	29°17	14° 8	7°37	13°17	21°47	17°58	1°22	13°38	0°20	28°55	3°13	n.a.	W29
T 30	18 17 47	3♌28'48	21♍15	0♌26	14♌45	8♊16	13♎20	21♓48	17♍59	1♌24	13♐37	0♊18	28♉52	3♂20	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n32	17n15	5n17	24n20	1n41	24n 0	1n59	17n46	0n 7	4s 0	1n21	5s54	2s22	5n39	0n45	20n45	0n29	20s43	2n 6	20n33	20n29	26s17		n.a.
T 2	21 42	12 5	5 12	24 39	1 46	23 47	1 56	17 58	0 7	4 0	1 21	5 53	2 22	5 39	0 45	20 44	0 29	20 42	2 6	20 33	20 28	26 17		n.a.
F 3	21 52	6 29	4 50	24 56	1 49	23 34	1 52	18 9	0 8	3 59	1 21	5 52	2 22	5 39	0 45	20 44	0 29	20 42	2 5	20 33	20 27	26 18		n.a.
S 4	22 1	0 46	4 14	25 9	1 52	23 20	1 49	18 21	0 8	3 59	1 21	5 51	2 23	5 39	0 45	20 44	0 29	20 42	2 5	20 33	20 27	26 19		n.a.
S 5	22 10	4s53	3 26	25 20	1 54	23 6	1 45	18 32	0 9	3 58	1 20	5 50	2 23	5 39	0 45	20 43	0 29	20 42	2 5	20 33	20 26	26 20		n.a.
M 6	22 18	10 15	2 29	25 28	1 55	22 52	1 40	18 43	0 10	3 58	1 20	5 48	2 23	5 39	0 45	20 43	0 29	20 42	2 5	20 34	20 25	26 20		n.a.
T 7	22 26	15 9	1 27	25 34	1 56	22 37	1 36	18 54	0 10	3 58	1 20	5 47	2 23	5 38	0 45	20 43	0 29	20 42	2 5	20 34	20 24	26 21		n.a.
W 8	22 34	19 23	0 21	25 38	1 56	22 22	1 32	19 5	0 11	3 58	1 19	5 47	2 24	5 38	0 44	20 42	0 29	20 42	2 5	20 34	20 24	26 22		n.a.
T 9	22 41	22 48	0s45	25 39	1 56	22 6	1 27	19 16	0 12	3 58	1 19	5 46	2 24	5 38	0 44	20 42	0 29	20 42	2 5	20 34	20 23	26 23		n.a.
F 10	22 48	25 12	1 49	25 38	1 54	21 50	1 22	19 26	0 12	3 58	1 19	5 45	2 24	5 38	0 44	20 42	0 29	20 42	2 5	20 34	20 22	26 23		n.a.
S 11	22 54	26 29	2 47	25 34	1 53	21 34	1 17	19 37	0 13	3 58	1 19	5 44	2 25	5 37	0 44	20 41	0 29	20 42	2 5	20 33	20 22	26 24		n.a.
S 12	23 1	26 33	3 39	25 29	1 50	21 17	1 12	19 47	0 13	3 58	1 18	5 43	2 25	5 37	0 44	20 41	0 29	20 42	2 5	20 33	20 21	26 25		n.a.
M13	23 6	25 24	4 21	25 22	1 47	21 0	1 6	19 57	0 14	3 58	1 18	5 42	2 25	5 37	0 44	20 41	0 29	20 42	2 4	20 32	20 20	26 25		n.a.
T 14	23 12	23 6	4 52	25 13	1 44	20 43	1 1	20 7	0 15	3 58	1 18	5 41	2 25	5 36	0 44	20 40	0 29	20 42	2 4	20 32	20 20	26 26		n.a.
W15	23 16	19 46	5 10	25 2	1 40	20 25	0 55	20 17	0 15	3 59	1 17	5 41	2 26	5 36	0 44	20 40	0 29	20 41	2 4	20 31	20 19	26 27		n.a.
T 16	23 21	15 32	5 15	24 50	1 35	20 7	0 49	20 26	0 16	3 59	1 17	5 40	2 26	5 36	0 44	20 39	0 29	20 41	2 4	20 31	20 18	26 27		n.a.
F 17	23 25	10 35	5 5	24 36	1 30	19 49	0 43	20 35	0 17	4 0	1 17	5 40	2 26	5 35	0 44	20 39	0 29	20 41	2 4	20 31	20 18	26 28		n.a.
S 18	23 29	5 4	4 40	24 21	1 24	19 31	0 36	20 45	0 17	4 0	1 16	5 39	2 27	5 35	0 44	20 39	0 29	20 41	2 4	20 31	20 17	26 29		n.a.
S 19	23 32	0n51	3 59	24 4	1 18	19 12	0 30	20 54	0 18	4 1	1 16	5 38	2 27	5 34	0 44	20 38	0 29	20 41	2 4	20 31	20 16	26 29		n.a.
M20	23 35	6 54	3 4	23 46	1 12	18 54	0 23	21 2	0 18	4 1	1 16	5 38	2 27	5 34	0 44	20 38	0 29	20 41	2 4	20 31	20 16	26 30		n.a.
T 21	23 37	12 50	1 56	23 28	1 5	18 35	0 16	21 11	0 19	4 2	1 16	5 37	2 27	5 33	0 44	20 37	0 29	20 41	2 4	20 32	20 15	26 30		n.a.
W22	23 39	18 14	0 39	23 8	0 57	18 16	0 8	21 20	0 20	4 3	1 15	5 37	2 28	5 33	0 44	20 37	0 29	20 41	2 3	20 32	20 14	26 31		n.a.
T 23	23 41	22 40	0n42	22 47	0 50	17 57	0 1	21 28	0 20	4 4	1 15	5 37	2 28	5 32	0 44	20 37	0 29	20 41	2 3	20 32	20 13	26 32		n.a.
F 24	23 42	25 36	2 2	22 25	0 41	17 37	0s 7	21 36	0 21	4 5	1 15	5 36	2 28	5 32	0 44	20 36	0 29	20 41	2 3	20 31	20 13	26 32		n.a.
S 25	23 43	26 39	3 14	22 3	0 33	17 18	0 15	21 44	0 22	4 6	1 14	5 36	2 29	5 31	0 44	20 36	0 29	20 41	2 3	20 31	20 12	26 33		n.a.
S 26	23 43	25 42	4 11	21 40	0 24	16 58	0 23	21 52	0 22	4 7	1 14	5 36	2 29	5 31	0 44	20 35	0 29	20 41	2 3	20 30	20 11	26 33		n.a.
M27	23 43	22 56	4 51	21 16	0 15	16 39	0 32	21 59	0 23	4 8	1 14	5 36	2 29	5 30	0 44	20 35	0 29	20 41	2 3	20 29	20 11	26 34		n.a.
T 28	23 43	18 45	5 10	20 52	0 5	16 19	0 40	22 7	0 23	4 10	1 13	5 35	2 30	5 29	0 44	20 34	0 29	20 41	2 3	20 28	20 10	26 35		n.a.
W29	23 42	13 37	5 10	20 28	0s 5	16 0	0 49	22 14	0 24	4 11	1 13	5 35	2 30	5 29	0 44	20 34	0 29	20 41	2 3	20 28	20 9	26 35		n.a.
T 30	23n41	7n59	4n52	20n 3	0s15	15n40	0s58	22n21	0n25	4s12	1n13	5s35	2s30	5n28	0n44	20n34	0n29	20s41	2n 3	20n27	20n 9	26s36		n.a.

Julian Day Number = 1643776.5, Delta T = 03h34m54s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'14, Lahiri = - 6°53'14 Julian Calendar 1 June 213 BCE == Greg. Calendar 28 May 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

JULY 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 21 44	4♋26'09	4♎29	1♌32	15♌20	8♊55	13♎23	21♓48	18♍ 1	1♌26	13°R35	0°D18	28♉49	3♂27	n.a.	F 1
S 2	18 25 40	5°23'32	17°20	2°36	15°55	9°35	13°26	21°49	18° 3	1°29	13♐34	0♊18	28°46	3°33	n.a.	S 2
S 3	18 29 37	6°20'55	29°50	3°37	16°28	10°14	13°30	21°50	18° 4	1°31	13°33	0°20	28°43	3°40	n.a.	S 3
M 4	18 33 33	7°18'19	12♏ 5	4°35	16°59	10°53	13°33	21°50	18° 6	1°33	13°31	0°21	28°39	3°47	n.a.	M 4
T 5	18 37 30	8°15'44	24° 7	5°31	17°30	11°32	13°37	21°50	18° 8	1°35	13°30	0°22	28°36	3°53	n.a.	T 5
W 6	18 41 26	9°13'09	6♐ 2	6°23	17°58	12°11	13°41	21°51	18°10	1°37	13°29	0°R22	28°33	4° 0	n.a.	W 6
T 7	18 45 23	10°10'36	17°52	7°12	18°26	12°50	13°45	21°51	18°12	1°39	13°27	0°21	28°30	4° 7	n.a.	T 7
F 8	18 49 19	11° 8'04	29°41	7°58	18°51	13°29	13°49	21°R51	18°14	1°41	13°26	0°17	28°27	4°13	n.a.	F 8
S 9	18 53 16	12° 5'33	11♑31	8°40	19°15	14° 8	13°53	21°51	18°16	1°43	13°25	0°12	28°23	4°20	n.a.	S 9
S 10	18 57 13	13° 3'04	23°23	9°19	19°37	14°47	13°58	21°51	18°18	1°45	13°24	0° 5	28°20	4°27	n.a.	S 10
M11	19 1 9	14° 0'35	5♒20	9°53	19°58	15°26	14° 3	21°50	18°20	1°47	13°22	29♉57	28°17	4°33	n.a.	M11
T 12	19 5 6	14°58'08	17°24	10°24	20°17	16° 5	14° 8	21°50	18°22	1°50	13°21	29°49	28°14	4°40	n.a.	T 12
W13	19 9 2	15°55'43	29°36	10°50	20°34	16°44	14°13	21°49	18°24	1°52	13°20	29°41	28°11	4°47	n.a.	W13
T 14	19 12 59	16°53'19	11♓58	11°12	20°49	17°22	14°18	21°49	18°26	1°54	13°19	29°35	28° 8	4°53	n.a.	T 14
F 15	19 16 55	17°50'56	24°32	11°29	21° 1	18° 1	14°23	21°48	18°29	1°56	13°18	29°30	28° 4	5° 0	n.a.	F 15
S 16	19 20 52	18°48'35	7♈23	11°41	21°12	18°40	14°29	21°47	18°31	1°58	13°16	29°28	28° 1	5° 7	n.a.	S 16
S 17	19 24 48	19°46'16	20°32	11°47	21°21	19°18	14°34	21°47	18°33	2° 0	13°15	29°D27	27°58	5°13	n.a.	S 17
M18	19 28 45	20°43'59	4♉ 3	11°R49	21°28	19°57	14°40	21°46	18°36	2° 3	13°14	29°28	27°55	5°20	n.a.	M18
T 19	19 32 42	21°41'43	17°57	11°45	21°32	20°35	14°46	21°44	18°38	2° 5	13°13	29°29	27°52	5°27	n.a.	T 19
W20	19 36 38	22°39'29	2♊16	11°35	21°R35	21°14	14°52	21°43	18°41	2° 7	13°12	29°R29	27°49	5°34	n.a.	W20
T 21	19 40 35	23°37'17	16°57	11°19	21°35	21°52	14°58	21°42	18°43	2° 9	13°11	29°28	27°45	5°40	n.a.	T 21
F 22	19 44 31	24°35'07	1♋56	10°58	21°32	22°31	15° 5	21°40	18°46	2°11	13°10	29°24	27°42	5°47	n.a.	F 22
S 23	19 48 28	25°32'59	17° 5	10°31	21°28	23° 9	15°11	21°39	18°48	2°14	13° 9	29°19	27°39	5°54	n.a.	S 23
S 24	19 52 24	26°30'52	2♌16	9°58	21°21	23°48	15°18	21°37	18°51	2°16	13° 8	29°11	27°36	6° 0	n.a.	S 24
M25	19 56 21	27°28'47	17°17	9°21	21°11	24°26	15°25	21°36	18°54	2°18	13° 7	29° 2	27°33	6° 7	n.a.	M25
T 26	20 0 17	28°26'43	2♍ 0	8°38	20°59	25° 4	15°32	21°34	18°56	2°20	13° 6	28°54	27°29	6°14	n.a.	T 26
W27	20 4 14	29°24'41	16°17	7°51	20°45	25°42	15°39	21°32	18°59	2°22	13° 5	28°46	27°26	6°20	n.a.	W27
T 28	20 8 11	0♌22'40	0♎ 5	7° 0	20°29	26°21	15°46	21°30	19° 2	2°25	13° 4	28°40	27°23	6°27	n.a.	T 28
F 29	20 12 7	1°20'40	13°24	6° 6	20°10	26°59	15°53	21°28	19° 5	2°27	13° 3	28°36	27°20	6°34	n.a.	F 29
S 30	20 16 4	2°18'42	26°16	5°11	19°49	27°37	16° 1	21°26	19° 7	2°29	13° 2	28°35	27°17	6°40	n.a.	S 30
S 31	20 20 0	3♌16'46	8♏46	4♌14	19♌26	28♊15	16♎ 8	21♓23	19♍10	2♌31	13♐ 2	28°D35	27♉14	6♂47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n39	2n 9	4n19	19n38	0s25	15n21	1s 8	22n28	0n25	4s14	1n13	5s35	2s30	5n27	0n44	20n33	0n29	20s41	2n 2	20n27	20n 8	26s36		n.a.
S 2	23 37	3s36	3 34	19 14	0 36	15 1	1 17	22 35	0 26	4 15	1 12	5 35	2 31	5 27	0 43	20 33	0 29	20 41	2 2	20 27	20 7	26 37		n.a.
S 3	23 34	9 4	2 39	18 49	0 47	14 42	1 27	22 41	0 27	4 17	1 12	5 35	2 31	5 26	0 43	20 32	0 29	20 40	2 2	20 28	20 6	26 37		n.a.
M 4	23 31	14 5	1 38	18 24	0 58	14 23	1 37	22 47	0 27	4 19	1 12	5 35	2 31	5 25	0 43	20 32	0 29	20 40	2 2	20 28	20 6	26 38		n.a.
T 5	23 28	18 28	0 34	17 59	1 10	14 4	1 48	22 53	0 28	4 20	1 11	5 35	2 32	5 25	0 43	20 31	0 29	20 40	2 2	20 28	20 5	26 38		n.a.
W 6	23 24	22 4	0s31	17 35	1 21	13 45	1 58	22 59	0 28	4 22	1 11	5 36	2 32	5 24	0 43	20 31	0 29	20 40	2 2	20 28	20 4	26 39		n.a.
T 7	23 20	24 43	1 34	17 11	1 33	13 26	2 9	23 5	0 29	4 24	1 11	5 36	2 32	5 23	0 43	20 30	0 29	20 40	2 2	20 28	20 4	26 39		n.a.
F 8	23 15	26 16	2 32	16 48	1 45	13 8	2 20	23 11	0 30	4 26	1 11	5 36	2 33	5 22	0 43	20 30	0 29	20 40	2 1	20 27	20 3	26 40		n.a.
S 9	23 10	26 37	3 24	16 26	1 57	12 50	2 31	23 16	0 30	4 28	1 10	5 36	2 33	5 21	0 43	20 29	0 29	20 40	2 1	20 26	20 2	26 40		n.a.
S 10	23 4	25 44	4 8	16 4	2 9	12 32	2 43	23 21	0 31	4 30	1 10	5 37	2 33	5 21	0 43	20 29	0 29	20 40	2 1	20 24	20 1	26 41		n.a.
M11	22 59	23 41	4 40	15 43	2 21	12 14	2 54	23 26	0 32	4 32	1 10	5 37	2 33	5 20	0 43	20 28	0 29	20 40	2 1	20 23	20 1	26 41		n.a.
T 12	22 52	20 34	5 1	15 23	2 33	11 57	3 6	23 31	0 32	4 34	1 9	5 38	2 34	5 19	0 43	20 28	0 29	20 40	2 1	20 21	20 0	26 42		n.a.
W13	22 46	16 32	5 8	15 5	2 45	11 40	3 18	23 36	0 33	4 36	1 9	5 38	2 34	5 18	0 43	20 27	0 29	20 40	2 1	20 19	19 59	26 42		n.a.
T 14	22 38	11 47	5 1	14 48	2 57	11 24	3 31	23 40	0 33	4 39	1 9	5 38	2 34	5 17	0 43	20 27	0 29	20 40	2 1	20 18	19 59	26 43		n.a.
F 15	22 31	6 27	4 39	14 32	3 8	11 8	3 43	23 44	0 34	4 41	1 9	5 39	2 35	5 16	0 43	20 26	0 29	20 40	2 1	20 17	19 58	26 43		n.a.
S 16	22 23	0 45	4 3	14 18	3 19	10 53	3 56	23 48	0 35	4 43	1 8	5 40	2 35	5 15	0 43	20 26	0 29	20 40	2 0	20 16	19 57	26 44		n.a.
S 17	22 15	5n 7	3 14	14 5	3 30	10 38	4 8	23 52	0 35	4 46	1 8	5 40	2 35	5 14	0 43	20 26	0 29	20 40	2 0	20 16	19 56	26 44		n.a.
M18	22 6	10 56	2 12	13 55	3 41	10 24	4 21	23 56	0 36	4 48	1 8	5 41	2 35	5 13	0 43	20 25	0 29	20 40	2 0	20 16	19 56	26 45		n.a.
T 19	21 57	16 24	1 2	13 47	3 50	10 10	4 34	24 0	0 37	4 51	1 8	5 42	2 36	5 12	0 43	20 25	0 29	20 40	2 0	20 17	19 55	26 45		n.a.
W20	21 48	21 6	0n15	13 41	4 0	9 57	4 47	24 3	0 37	4 54	1 7	5 42	2 36	5 11	0 43	20 24	0 29	20 40	2 0	20 17	19 54	26 45		n.a.
T 21	21 38	24 36	1 32	13 37	4 8	9 44	5 0	24 6	0 38	4 56	1 7	5 43	2 36	5 10	0 43	20 24	0 30	20 40	2 0	20 16	19 54	26 46		n.a.
F 22	21 28	26 27	2 45	13 36	4 15	9 33	5 13	24 9	0 38	4 59	1 7	5 44	2 37	5 9	0 43	20 23	0 30	20 40	2 0	20 16	19 53	26 46		n.a.
S 23	21 17	26 22	3 47	13 37	4 21	9 22	5 27	24 12	0 39	5 2	1 7	5 45	2 37	5 8	0 43	20 23	0 30	20 40	1 59	20 14	19 52	26 47		n.a.
S 24	21 6	24 18	4 32	13 41	4 26	9 12	5 40	24 14	0 40	5 5	1 6	5 46	2 37	5 7	0 43	20 22	0 30	20 40	1 59	20 13	19 51	26 47		n.a.
M25	20 55	20 34	4 58	13 48	4 30	9 2	5 53	24 17	0 40	5 7	1 6	5 47	2 37	5 6	0 43	20 22	0 30	20 40	1 59	20 11	19 51	26 47		n.a.
T 26	20 43	15 37	5 4	13 57	4 31	8 54	6 5	24 19	0 41	5 10	1 6	5 48	2 38	5 5	0 43	20 21	0 30	20 40	1 59	20 9	19 50	26 48		n.a.
W27	20 31	9 56	4 51	14 9	4 32	8 46	6 18	24 21	0 42	5 13	1 5	5 49	2 38	5 4	0 43	20 21	0 30	20 40	1 59	20 7	19 49	26 48		n.a.
T 28	20 19	3 56	4 21	14 23	4 30	8 40	6 30	24 22	0 42	5 16	1 5	5 50	2 38	5 2	0 43	20 20	0 30	20 40	1 59	20 6	19 48	26 48		n.a.
F 29	20 6	2s 1	3 37	14 40	4 26	8 34	6 43	24 24	0 43	5 19	1 5	5 51	2 38	5 1	0 42	20 20	0 30	20 40	1 59	20 5	19 48	26 49		n.a.
S 30	19 53	7 43	2 44	14 59	4 21	8 29	6 54	24 26	0 43	5 23	1 5	5 52	2 39	5 0	0 42	20 19	0 30	20 40	1 58	20 5	19 47	26 49		n.a.
S 31	19n39	12s57	1n44	15n19	4s13	8n26	7s 6	24n27	0n44	5s26	1n 5	5s53	2s39	4n59	0n42	20n19	0n30	20s40	1n58	20n 5	19n46	26s49		n.a.

Julian Day Number = 1643806.5, Delta T = 03h34m53s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'10, Lahiri = - 6°53'10 Julian Calendar 1 July 213 BCE == Greg. Calendar 27 June 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

AUGUST 213 BCE (-212) JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 23 57	4♌14'51	20♏58	3°R18	19°R 1	28♊53	16♎16	21°R21	19♍13	2♌34	13°R 1	28♉35	27♉10	6♂54	n.a.	M 1
T 2	20 27 53	5°12'57	2♐57	2♌24	18♌34	29°31	16°24	21♓18	19°16	2°36	13♐ 0	28°R35	27° 7	7° 0	n.a.	T 2
W 3	20 31 50	6°11'06	14°48	1°32	18° 4	0♋ 9	16°32	21°16	19°19	2°38	12°59	28°34	27° 4	7° 7	n.a.	W 3
T 4	20 35 46	7° 9'16	26°36	0°45	17°34	0°46	16°40	21°13	19°22	2°40	12°59	28°31	27° 1	7°14	n.a.	T 4
F 5	20 39 43	8° 7'27	8♂25	0° 2	17° 1	1°24	16°48	21°10	19°25	2°43	12°58	28°24	26°58	7°20	n.a.	F 5
S 6	20 43 40	9° 5'40	20°18	29♋25	16°28	2° 2	16°57	21° 8	19°28	2°45	12°57	28°16	26°55	7°27	n.a.	S 6
S 7	20 47 36	10° 3'55	2♒17	28°56	15°53	2°40	17° 5	21° 5	19°32	2°47	12°56	28° 4	26°51	7°34	n.a.	S 7
M 8	20 51 33	11° 2'12	14°23	28°34	15°18	3°17	17°14	21° 2	19°35	2°49	12°56	27°52	26°48	7°40	n.a.	M 8
T 9	20 55 29	12° 0'31	26°38	28°21	14°41	3°55	17°23	20°59	19°38	2°51	12°55	27°39	26°45	7°47	n.a.	T 9
W10	20 59 26	12°58'52	9♓ 3	28°D16	14° 5	4°33	17°31	20°55	19°41	2°54	12°55	27°26	26°42	7°54	n.a.	W10
T 11	21 3 22	13°57'15	21°37	28°21	13°28	5°10	17°40	20°52	19°44	2°56	12°54	27°16	26°39	8° 0	n.a.	T 11
F 12	21 7 19	14°55'40	4♈23	28°34	12°51	5°48	17°49	20°49	19°47	2°58	12°54	27° 8	26°35	8° 7	n.a.	F 12
S 13	21 11 15	15°54'07	17°20	28°57	12°14	6°25	17°59	20°45	19°51	3° 0	12°53	27° 2	26°32	8°14	n.a.	S 13
S 14	21 15 12	16°52'36	0♉32	29°29	11°38	7° 3	18° 8	20°42	19°54	3° 2	12°53	27° 0	26°29	8°20	n.a.	S 14
M15	21 19 9	17°51'08	14° 0	0♌ 9	11° 3	7°40	18°17	20°38	19°57	3° 5	12°52	26°D59	26°26	8°27	n.a.	M15
T 16	21 23 5	18°49'42	27°46	0°57	10°28	8°17	18°27	20°35	20° 1	3° 7	12°52	26°R59	26°23	8°34	n.a.	T 16
W17	21 27 2	19°48'18	11♊52	1°54	9°55	8°55	18°36	20°31	20° 4	3° 9	12°51	26°58	26°20	8°41	n.a.	W17
T 18	21 30 58	20°46'57	26°16	2°58	9°23	9°32	18°46	20°27	20° 8	3°11	12°51	26°56	26°16	8°47	n.a.	T 18
F 19	21 34 55	21°45'39	10♋56	4° 8	8°53	10° 9	18°56	20°23	20°11	3°13	12°51	26°51	26°13	8°54	n.a.	F 19
S 20	21 38 51	22°44'22	25°48	5°25	8°25	10°46	19° 6	20°19	20°14	3°15	12°51	26°44	26°10	9° 1	n.a.	S 20
S 21	21 42 48	23°43'08	10♌44	6°47	7°58	11°23	19°16	20°15	20°18	3°17	12°50	26°34	26° 7	9° 7	n.a.	S 21
M22	21 46 44	24°41'56	25°35	8°14	7°34	12° 1	19°26	20°11	20°21	3°20	12°50	26°22	26° 4	9°14	n.a.	M22
T 23	21 50 41	25°40'45	10♍12	9°46	7°11	12°38	19°36	20° 7	20°25	3°22	12°50	26°11	26° 1	9°21	n.a.	T 23
W24	21 54 38	26°39'37	24°27	11°21	6°51	13°15	19°47	20° 3	20°28	3°24	12°50	26° 0	25°57	9°27	n.a.	W24
T 25	21 58 34	27°38'31	8♎17	12°59	6°33	13°51	19°57	19°59	20°32	3°26	12°50	25°52	25°54	9°34	n.a.	T 25
F 26	22 2 31	28°37'27	21°38	14°40	6°17	14°28	20° 8	19°55	20°36	3°28	12°49	25°46	25°51	9°41	n.a.	F 26
S 27	22 6 27	29°36'24	4♏34	16°23	6° 4	15° 5	20°18	19°50	20°39	3°30	12°49	25°43	25°48	9°47	n.a.	S 27
S 28	22 10 24	0♍35'24	17° 5	18° 8	5°53	15°42	20°29	19°46	20°43	3°32	12°49	25°41	25°45	9°54	n.a.	S 28
M29	22 14 20	1°34'25	29°18	19°54	5°44	16°19	20°40	19°41	20°46	3°34	12°D49	25°41	25°41	10° 1	n.a.	M29
T 30	22 18 17	2°33'28	11♐18	21°41	5°38	16°55	20°50	19°37	20°50	3°36	12°49	25°41	25°38	10° 7	n.a.	T 30
W31	22 22 13	3♍32'34	23♐10	23♌29	5♌34	17♋32	21♎ 1	19♓32	20♍54	3♌38	12♐49	25♉40	25♉35	10♂14	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	19n25	17s33	0n41	15n41	4s 4	8n23	7s17	24n28	0n45	5s29	1n 4	5s54	2s39	4n58	0n42	20n18	0n30	20s41	1n58	20n 5	19n46	26s50			n.a.
T 2	19 11	21 22	0s23	16 5	3 53	8 21	7 27	24 29	0 45	5 32	1 4	5 55	2 39	4 57	0 42	20 18	0 30	20 41	1 58	20 5	19 45	26 50			n.a.
W 3	18 57	24 15	1 25	16 29	3 40	8 20	7 37	24 29	0 46	5 36	1 4	5 57	2 40	4 55	0 42	20 17	0 30	20 41	1 58	20 5	19 44	26 50			n.a.
T 4	18 42	26 4	2 23	16 53	3 25	8 21	7 47	24 30	0 47	5 39	1 4	5 58	2 40	4 54	0 42	20 17	0 30	20 41	1 58	20 4	19 43	26 51			n.a.
F 5	18 27	26 42	3 15	17 18	3 10	8 22	7 55	24 30	0 47	5 42	1 3	5 59	2 40	4 53	0 42	20 16	0 30	20 41	1 58	20 2	19 43	26 51			n.a.
S 6	18 12	26 6	3 58	17 42	2 53	8 24	8 3	24 30	0 48	5 46	1 3	6 1	2 40	4 52	0 42	20 16	0 30	20 41	1 57	20 0	19 42	26 51			n.a.
S 7	17 56	24 17	4 31	18 5	2 35	8 27	8 10	24 30	0 49	5 49	1 3	6 2	2 41	4 50	0 42	20 15	0 30	20 41	1 57	19 58	19 41	26 52			n.a.
M 8	17 40	21 22	4 53	18 27	2 17	8 32	8 17	24 30	0 49	5 53	1 3	6 3	2 41	4 49	0 42	20 15	0 30	20 41	1 57	19 55	19 40	26 52			n.a.
T 9	17 24	17 29	5 1	18 48	1 58	8 37	8 22	24 30	0 50	5 56	1 2	6 5	2 41	4 48	0 42	20 14	0 30	20 41	1 57	19 52	19 40	26 52			n.a.
W10	17 7	12 49	4 55	19 8	1 40	8 43	8 27	24 29	0 50	6 0	1 2	6 6	2 41	4 47	0 42	20 14	0 30	20 41	1 57	19 49	19 39	26 52			n.a.
T 11	16 50	7 33	4 34	19 25	1 21	8 49	8 30	24 28	0 51	6 4	1 2	6 8	2 42	4 45	0 42	20 13	0 30	20 41	1 57	19 47	19 38	26 53			n.a.
F 12	16 33	1 55	4 0	19 40	1 3	8 57	8 33	24 27	0 52	6 7	1 2	6 9	2 42	4 44	0 42	20 13	0 30	20 41	1 56	19 45	19 37	26 53			n.a.
S 13	16 15	3n55	3 13	19 53	0 45	9 5	8 35	24 26	0 52	6 11	1 2	6 11	2 42	4 43	0 42	20 12	0 30	20 41	1 56	19 44	19 37	26 53			n.a.
S 14	15 58	9 41	2 15	20 3	0 28	9 14	8 36	24 25	0 53	6 15	1 1	6 13	2 42	4 41	0 42	20 12	0 30	20 41	1 56	19 43	19 36	26 53			n.a.
M15	15 40	15 9	1 8	20 11	0 11	9 23	8 36	24 23	0 54	6 19	1 1	6 14	2 42	4 40	0 42	20 11	0 30	20 42	1 56	19 43	19 35	26 53			n.a.
T 16	15 21	19 58	0n 4	20 15	0n 4	9 33	8 35	24 22	0 54	6 23	1 1	6 16	2 43	4 39	0 42	20 11	0 30	20 42	1 56	19 43	19 34	26 54			n.a.
W17	15 3	23 46	1 18	20 17	0 19	9 44	8 33	24 20	0 55	6 27	1 1	6 17	2 43	4 37	0 42	20 10	0 30	20 42	1 56	19 43	19 34	26 54			n.a.
T 18	14 44	26 8	2 28	20 15	0 33	9 54	8 30	24 18	0 56	6 30	1 0	6 19	2 43	4 36	0 42	20 10	0 30	20 42	1 56	19 42	19 33	26 54			n.a.
F 19	14 25	26 45	3 30	20 11	0 45	10 6	8 27	24 16	0 56	6 34	1 0	6 21	2 43	4 34	0 42	20 9	0 30	20 42	1 55	19 41	19 32	26 54			n.a.
S 20	14 6	25 27	4 18	20 3	0 57	10 17	8 23	24 13	0 57	6 38	1 0	6 23	2 43	4 33	0 42	20 9	0 30	20 42	1 55	19 39	19 31	26 54			n.a.
S 21	13 46	22 22	4 49	19 52	1 7	10 28	8 18	24 11	0 57	6 42	1 0	6 24	2 44	4 32	0 42	20 8	0 30	20 42	1 55	19 37	19 31	26 55			n.a.
M22	13 27	17 50	5 0	19 39	1 16	10 40	8 12	24 8	0 58	6 46	1 0	6 26	2 44	4 30	0 42	20 8	0 30	20 42	1 55	19 34	19 30	26 55			n.a.
T 23	13 7	12 19	4 51	19 22	1 24	10 52	8 6	24 5	0 59	6 51	0 59	6 28	2 44	4 29	0 42	20 7	0 30	20 42	1 55	19 32	19 29	26 55			n.a.
W24	12 46	6 16	4 25	19 2	1 31	11 3	7 59	24 2	0 59	6 55	0 59	6 30	2 44	4 27	0 42	20 7	0 30	20 43	1 55	19 29	19 28	26 55			n.a.
T 25	12 26	0 5	3 43	18 40	1 37	11 15	7 51	23 59	1 0	6 59	0 59	6 31	2 44	4 26	0 42	20 6	0 30	20 43	1 54	19 27	19 28	26 55			n.a.
F 26	12 5	5s55	2 50	18 15	1 42	11 27	7 43	23 56	1 1	7 3	0 59	6 33	2 44	4 25	0 42	20 6	0 30	20 43	1 54	19 26	19 27	26 55			n.a.
S 27	11 45	11 29	1 49	17 47	1 46	11 38	7 35	23 52	1 1	7 7	0 59	6 35	2 44	4 23	0 42	20 5	0 30	20 43	1 54	19 25	19 26	26 55			n.a.
S 28	11 24	16 25	0 45	17 18	1 49	11 49	7 26	23 49	1 2	7 11	0 58	6 37	2 45	4 22	0 42	20 5	0 30	20 43	1 54	19 25	19 25	26 56			n.a.
M29	11 2	20 33	0s19	16 46	1 51	12 0	7 16	23 45	1 3	7 16	0 58	6 39	2 45	4 20	0 42	20 4	0 30	20 43	1 54	19 24	19 25	26 56			n.a.
T 30	10 41	23 45	1 22	16 12	1 52	12 11	7 7	23 41	1 3	7 20	0 58	6 41	2 45	4 19	0 42	20 4	0 30	20 44	1 54	19 24	19 24	26 56			n.a.
W31	10n20	25s52	2s20	15n37	1n52	12n22	6s57	23n37	1n 4	7s24	0n58	6s43	2s45	4n17	0n42	20n 3	0n30	20s44	1n54	19n24	19n23	26s56			n.a.

Julian Day Number = 1643837.5, Delta T = 03h34m52s
Ecliptic obliquity = 23°43'20, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'06, Lahiri = - 6°53'05 Julian Calendar 1 Aug. 213 BCE == Greg. Calendar 28 July 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

SEPTEMBER 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 26 10	4♍31'41	4♉59	25♌17	5°D33	18♋ 9	21♎12	19°R28	20♍57	3♌40	12♐49	25°R36	25♑32	10♉21	n.a.	T 1
F 2	22 30 6	5°30'50	16°50	27° 5	5♌34	18°45	21°24	19♓23	21° 1	3°42	12°50	25♑30	25°29	10°27	n.a.	F 2
S 3	22 34 3	6°30'01	28°46	28°53	5°38	19°22	21°35	19°19	21° 5	3°44	12°50	25°21	25°26	10°34	n.a.	S 3
S 4	22 38 0	7°29'14	10♒52	0♍41	5°43	19°58	21°46	19°14	21° 8	3°46	12°50	25°10	25°22	10°41	n.a.	S 4
M 5	22 41 56	8°28'29	23° 9	2°29	5°51	20°34	21°57	19° 9	21°12	3°48	12°50	24°57	25°19	10°47	n.a.	M 5
T 6	22 45 53	9°27'46	5♓38	4°16	6° 1	21°11	22° 9	19° 5	21°16	3°50	12°50	24°44	25°16	10°54	n.a.	T 6
W 7	22 49 49	10°27'05	18°19	6° 3	6°14	21°47	22°20	19° 0	21°20	3°52	12°50	24°32	25°13	11° 1	n.a.	W 7
T 8	22 53 46	11°26'26	1♈12	7°49	6°28	22°23	22°32	18°55	21°23	3°53	12°51	24°21	25°10	11° 8	n.a.	T 8
F 9	22 57 42	12°25'49	14°17	9°35	6°45	22°59	22°43	18°51	21°27	3°55	12°51	24°12	25° 7	11°14	n.a.	F 9
S 10	23 1 39	13°25'15	27°32	11°20	7° 3	23°36	22°55	18°46	21°31	3°57	12°51	24° 7	25° 3	11°21	n.a.	S 10
S 11	23 5 35	14°24'43	10♉58	13° 4	7°23	24°12	23° 7	18°41	21°35	3°59	12°52	24° 4	25° 0	11°28	n.a.	S 11
M12	23 9 32	15°24'14	24°34	14°48	7°46	24°48	23°19	18°36	21°38	4° 1	12°52	24°D 4	24°57	11°34	n.a.	M12
T 13	23 13 29	16°23'47	8♊22	16°31	8°10	25°24	23°31	18°31	21°42	4° 2	12°53	24° 4	24°54	11°41	n.a.	T 13
W14	23 17 25	17°23'23	22°21	18°13	8°36	26° 0	23°43	18°27	21°46	4° 4	12°53	24°R 4	24°51	11°48	n.a.	W14
T 15	23 21 22	18°23'01	6♋32	19°55	9° 3	26°35	23°55	18°22	21°50	4° 6	12°54	24° 3	24°47	11°54	n.a.	T 15
F 16	23 25 18	19°22'41	20°53	21°36	9°32	27°11	24° 7	18°17	21°53	4° 8	12°54	23°59	24°44	12° 1	n.a.	F 16
S 17	23 29 15	20°22'24	5♌21	23°16	10° 3	27°47	24°19	18°12	21°57	4° 9	12°55	23°53	24°41	12° 8	n.a.	S 17
S 18	23 33 11	21°22'09	19°51	24°56	10°35	28°23	24°31	18° 7	22° 1	4°11	12°55	23°44	24°38	12°14	n.a.	S 18
M19	23 37 8	22°21'57	4♍18	26°35	11° 9	28°58	24°44	18° 2	22° 5	4°13	12°56	23°35	24°35	12°21	n.a.	M19
T 20	23 41 4	23°21'46	18°35	28°13	11°44	29°34	24°56	17°58	22° 9	4°14	12°57	23°25	24°32	12°28	n.a.	T 20
W21	23 45 1	24°21'38	2♎35	29°51	12°20	0♌ 9	25° 8	17°53	22°12	4°16	12°57	23°15	24°28	12°34	n.a.	W21
T 22	23 48 58	25°21'31	16°15	1♎28	12°58	0°45	25°21	17°48	22°16	4°17	12°58	23° 8	24°25	12°41	n.a.	T 22
F 23	23 52 54	26°21'27	29°32	3° 5	13°37	1°20	25°33	17°43	22°20	4°19	12°59	23° 3	24°22	12°48	n.a.	F 23
S 24	23 56 51	27°21'24	12♏25	4°41	14°17	1°56	25°46	17°39	22°24	4°20	13° 0	23° 0	24°19	12°55	n.a.	S 24
S 25	0 0 47	28°21'24	24°58	6°16	14°58	2°31	25°58	17°34	22°27	4°22	13° 0	23°D 0	24°16	13° 1	n.a.	S 25
M26	0 4 44	29°21'25	7♐13	7°51	15°40	3° 6	26°11	17°29	22°31	4°23	13° 1	23° 0	24°12	13° 8	n.a.	M26
T 27	0 8 40	0♎21'28	19°14	9°26	16°24	3°41	26°24	17°25	22°35	4°25	13° 2	23° 1	24° 9	13°15	n.a.	T 27
W28	0 12 37	1°21'33	1♉ 7	11° 0	17° 8	4°16	26°37	17°20	22°39	4°26	13° 3	23°R 2	24° 6	13°21	n.a.	W28
T 29	0 16 33	2°21'39	12°57	12°33	17°54	4°51	26°49	17°15	22°43	4°28	13° 4	23° 1	24° 3	13°28	n.a.	T 29
F 30	0 20 30	3♎21'47	24♉50	14♎ 6	18♌40	5♌26	27♎ 2	17♓11	22♍46	4♌29	13♐ 5	22♑59	24♑ 0	13♉35	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9n58	26s49	3s12	15n 0	1n52	12n32	6s47	23n33	1n 5	7s29	0n58	6s45	2s45	4n16	0n42	20n 3	0n30	20s44	1n53	19n23	19n22	26s56		n.a.
F 2	9 36	26 33	3 56	14 22	1 51	12 42	6 36	23 28	1 5	7 33	0 58	6 47	2 45	4 14	0 42	20 3	0 30	20 44	1 53	19 22	19 21	26 56		n.a.
S 3	9 14	25 2	4 29	13 43	1 50	12 51	6 26	23 24	1 6	7 37	0 57	6 48	2 45	4 13	0 42	20 2	0 30	20 44	1 53	19 20	19 21	26 56		n.a.
S 4	8 52	22 22	4 51	13 3	1 48	13 0	6 15	23 19	1 7	7 42	0 57	6 50	2 45	4 11	0 42	20 2	0 30	20 44	1 53	19 17	19 20	26 56		n.a.
M 5	8 29	18 41	5 0	12 21	1 46	13 8	6 5	23 14	1 7	7 46	0 57	6 52	2 45	4 10	0 42	20 1	0 30	20 45	1 53	19 14	19 19	26 56		n.a.
T 6	8 7	14 7	4 55	11 39	1 43	13 17	5 54	23 9	1 8	7 51	0 57	6 54	2 46	4 8	0 42	20 1	0 30	20 45	1 53	19 11	19 18	26 56		n.a.
W 7	7 44	8 53	4 35	10 56	1 39	13 24	5 43	23 4	1 9	7 55	0 57	6 56	2 46	4 7	0 42	20 0	0 30	20 45	1 52	19 7	19 18	26 56		n.a.
T 8	7 21	3 12	4 1	10 13	1 35	13 31	5 32	22 59	1 9	8 0	0 57	6 58	2 46	4 5	0 42	20 0	0 30	20 45	1 52	19 5	19 17	26 56		n.a.
F 9	6 59	2n43	3 14	9 28	1 31	13 38	5 21	22 53	1 10	8 4	0 56	7 0	2 46	4 4	0 42	20 0	0 30	20 45	1 52	19 3	19 16	26 56		n.a.
S 10	6 36	8 36	2 16	8 44	1 27	13 44	5 10	22 48	1 11	8 9	0 56	7 2	2 46	4 2	0 42	19 59	0 30	20 45	1 52	19 1	19 15	26 56		n.a.
S 11	6 12	14 12	1 9	7 59	1 22	13 49	4 59	22 42	1 11	8 13	0 56	7 4	2 46	4 1	0 42	19 59	0 30	20 46	1 52	19 1	19 15	26 56		n.a.
M12	5 49	19 11	0n 3	7 14	1 17	13 54	4 48	22 36	1 12	8 18	0 56	7 6	2 46	3 59	0 42	19 58	0 30	20 46	1 52	19 1	19 14	26 56		n.a.
T 13	5 26	23 12	1 15	6 29	1 12	13 59	4 37	22 30	1 13	8 22	0 56	7 8	2 46	3 58	0 42	19 58	0 30	20 46	1 51	19 1	19 13	26 56		n.a.
W14	5 2	25 54	2 25	5 43	1 6	14 2	4 26	22 24	1 13	8 27	0 56	7 10	2 46	3 56	0 42	19 58	0 30	20 46	1 51	19 1	19 12	26 56		n.a.
T 15	4 39	26 59	3 26	4 58	1 0	14 6	4 16	22 18	1 14	8 32	0 55	7 12	2 46	3 55	0 42	19 57	0 30	20 47	1 51	19 0	19 11	26 56		n.a.
F 16	4 15	26 16	4 15	4 12	0 55	14 8	4 5	22 11	1 15	8 36	0 55	7 14	2 46	3 53	0 42	19 57	0 30	20 47	1 51	18 59	19 11	26 56		n.a.
S 17	3 51	23 48	4 48	3 27	0 48	14 10	3 55	22 5	1 15	8 41	0 55	7 16	2 46	3 52	0 42	19 56	0 30	20 47	1 51	18 58	19 10	26 56		n.a.
S 18	3 28	19 49	5 3	2 41	0 42	14 12	3 44	21 58	1 16	8 46	0 55	7 18	2 46	3 50	0 42	19 56	0 31	20 47	1 51	18 56	19 9	26 56		n.a.
M19	3 4	14 40	4 58	1 55	0 36	14 13	3 34	21 51	1 17	8 50	0 55	7 19	2 46	3 49	0 42	19 56	0 31	20 47	1 51	18 53	19 8	26 56		n.a.
T 20	2 40	8 47	4 35	1 10	0 30	14 13	3 24	21 44	1 17	8 55	0 55	7 21	2 46	3 47	0 42	19 55	0 31	20 48	1 50	18 51	19 8	26 56		n.a.
W21	2 16	2 33	3 56	0 25	0 23	14 12	3 14	21 38	1 18	9 0	0 55	7 23	2 46	3 46	0 42	19 55	0 31	20 48	1 50	18 48	19 7	26 56		n.a.
T 22	1 52	3s39	3 3	0s20	0 17	14 11	3 4	21 30	1 19	9 4	0 54	7 25	2 46	3 44	0 42	19 55	0 31	20 48	1 50	18 46	19 6	26 56		n.a.
F 23	1 28	9 32	2 2	1 5	0 10	14 10	2 54	21 23	1 19	9 9	0 54	7 27	2 46	3 43	0 42	19 54	0 31	20 48	1 50	18 45	19 5	26 56		n.a.
S 24	1 4	14 51	0 56	1 50	0 3	14 7	2 44	21 16	1 20	9 14	0 54	7 29	2 46	3 41	0 42	19 54	0 31	20 49	1 50	18 45	19 4	26 56		n.a.
S 25	0 40	19 24	0s11	2 34	0s 3	14 4	2 35	21 8	1 21	9 19	0 54	7 31	2 46	3 40	0 42	19 54	0 31	20 49	1 50	18 44	19 4	26 56		n.a.
M26	0 16	23 1	1 16	3 18	0 10	14 1	2 25	21 1	1 21	9 23	0 54	7 32	2 46	3 38	0 42	19 53	0 31	20 49	1 49	18 45	19 3	26 56		n.a.
T 27	0s 9	25 33	2 16	4 2	0 17	13 57	2 16	20 53	1 22	9 28	0 54	7 34	2 46	3 37	0 42	19 53	0 31	20 49	1 49	18 45	19 2	26 56		n.a.
W28	0 33	26 53	3 10	4 45	0 23	13 52	2 7	20 46	1 23	9 33	0 54	7 36	2 46	3 35	0 42	19 53	0 31	20 50	1 49	18 45	19 1	26 56		n.a.
T 29	0 57	27 0	3 56	5 29	0 30	13 47	1 58	20 38	1 24	9 38	0 54	7 38	2 46	3 34	0 42	19 52	0 31	20 50	1 49	18 45	19 0	26 55		n.a.
F 30	1s21	25s52	4s32	6s11	0s37	13n41	1s49	20n30	1n24	9s43	0n53	7s39	2s46	3n32	0n42	19n52	0n31	20s50	1n49	18n44	19n 0	26s55		n.a.

Julian Day Number = 1643868.5, Delta T = 03h34m51s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 6°00'02, Lahiri = - 6°53'01 Julian Calendar 1 Sept. 213 BCE == Greg. Calendar 28 Aug. 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

OCTOBER 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 24 26	4♎21'57	6♒49	15♎38	19♌28	6♌ 1	27♎15	17°R 6	22♍50	4♌30	13♐ 6	22°R54	23♉57	13♑41	n.a.	S 1
S 2	0 28 23	5°22'08	18°59	17°10	20°16	6°36	27°28	17♓ 2	22°54	4°31	13° 7	22♉47	23°53	13°48	n.a.	S 2
M 3	0 32 20	6°22'21	1♓24	18°42	21° 5	7°10	27°41	16°58	22°57	4°33	13° 8	22°39	23°50	13°55	n.a.	M 3
T 4	0 36 16	7°22'36	14° 4	20°13	21°55	7°45	27°54	16°53	23° 1	4°34	13° 9	22°31	23°47	14° 1	n.a.	T 4
W 5	0 40 13	8°22'53	27° 1	21°44	22°46	8°20	28° 7	16°49	23° 5	4°35	13°10	22°23	23°44	14° 8	n.a.	W 5
T 6	0 44 9	9°23'11	10♈14	23°14	23°37	8°54	28°20	16°45	23° 9	4°36	13°11	22°16	23°41	14°15	n.a.	T 6
F 7	0 48 6	10°23'31	23°42	24°43	24°29	9°29	28°33	16°40	23°12	4°38	13°12	22°11	23°38	14°22	n.a.	F 7
S 8	0 52 2	11°23'53	7♉22	26°13	25°22	10° 3	28°46	16°36	23°16	4°39	13°13	22° 8	23°34	14°28	n.a.	S 8
S 9	0 55 59	12°24'17	21°12	27°42	26°16	10°37	28°59	16°32	23°20	4°40	13°14	22°D 7	23°31	14°35	n.a.	S 9
M10	0 59 55	13°24'43	5♊10	29°10	27°11	11°12	29°13	16°28	23°23	4°41	13°16	22° 7	23°28	14°42	n.a.	M10
T 11	1 3 52	14°25'11	19°13	0♏38	28° 6	11°46	29°26	16°24	23°27	4°42	13°17	22° 9	23°25	14°48	n.a.	T 11
W12	1 7 49	15°25'42	3♋19	2° 5	29° 1	12°20	29°39	16°20	23°30	4°43	13°18	22°10	23°22	14°55	n.a.	W12
T 13	1 11 45	16°26'14	17°28	3°32	29°58	12°54	29°52	16°17	23°34	4°44	13°19	22°R10	23°18	15° 2	n.a.	T 13
F 14	1 15 42	17°26'48	1♌38	4°58	0♍54	13°28	0♏ 6	16°13	23°37	4°45	13°21	22°10	23°15	15° 8	n.a.	F 14
S 15	1 19 38	18°27'24	15°46	6°24	1°52	14° 1	0°19	16° 9	23°41	4°46	13°22	22° 7	23°12	15°15	n.a.	S 15
S 16	1 23 35	19°28'02	29°51	7°48	2°50	14°35	0°32	16° 5	23°45	4°47	13°24	22° 3	23° 9	15°22	n.a.	S 16
M17	1 27 31	20°28'41	13♍49	9°12	3°48	15° 9	0°46	16° 2	23°48	4°47	13°25	21°58	23° 6	15°28	n.a.	M17
T 18	1 31 28	21°29'23	27°37	10°36	4°47	15°42	0°59	15°58	23°52	4°48	13°26	21°53	23° 3	15°35	n.a.	T 18
W19	1 35 24	22°30'06	11♎12	11°58	5°47	16°16	1°13	15°55	23°55	4°49	13°28	21°49	22°59	15°42	n.a.	W19
T 20	1 39 21	23°30'51	24°31	13°19	6°47	16°49	1°26	15°52	23°58	4°50	13°29	21°45	22°56	15°49	n.a.	T 20
F 21	1 43 18	24°31'37	7♏34	14°39	7°47	17°22	1°39	15°49	24° 2	4°50	13°31	21°43	22°53	15°55	n.a.	F 21
S 22	1 47 14	25°32'24	20°18	15°58	8°48	17°56	1°53	15°45	24° 5	4°51	13°32	21°D42	22°50	16° 2	n.a.	S 22
S 23	1 51 11	26°33'13	2♐46	17°15	9°49	18°29	2° 6	15°42	24° 9	4°52	13°34	21°42	22°47	16° 9	n.a.	S 23
M24	1 55 7	27°34'03	14°59	18°30	10°51	19° 2	2°20	15°39	24°12	4°52	13°35	21°44	22°44	16°15	n.a.	M24
T 25	1 59 4	28°34'55	27° 1	19°43	11°53	19°35	2°33	15°37	24°15	4°53	13°37	21°45	22°40	16°22	n.a.	T 25
W26	2 3 0	29°35'47	8♑54	20°54	12°56	20° 7	2°47	15°34	24°18	4°53	13°38	21°47	22°37	16°29	n.a.	W26
T 27	2 6 57	0♏36'41	20°45	22° 3	13°58	20°40	3° 0	15°31	24°22	4°54	13°40	21°48	22°34	16°35	n.a.	T 27
F 28	2 10 53	1°37'35	2♒37	23° 8	15° 2	21°13	3°14	15°29	24°25	4°54	13°42	21°R49	22°31	16°42	n.a.	F 28
S 29	2 14 50	2°38'31	14°36	24°10	16° 5	21°45	3°27	15°26	24°28	4°55	13°43	21°48	22°28	16°49	n.a.	S 29
S 30	2 18 47	3°39'27	26°46	25° 8	17° 9	22°17	3°41	15°24	24°31	4°55	13°45	21°47	22°24	16°56	n.a.	S 30
M31	2 22 43	4♏40'24	9♓12	26♏ 2	18♍13	22♌50	3♏54	15♓21	24♍34	4♌56	13♐47	21♉45	22♉21	17♑ 2	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s45	23s33	4s56	6s53	0s43	13n34	1s40	20n22	1n25	9s47	0n53	7s41	2s46	3n31	0n42	19n52	0n31	20s50	1n49	18n43	18n59	26s55		n.a.
S 2	2 9	20 9	5 7	7 35	0 50	13 27	1 32	20 14	1 26	9 52	0 53	7 43	2 46	3 29	0 42	19 51	0 31	20 51	1 49	18 41	18 58	26 55		n.a.
M 3	2 34	15 50	5 4	8 17	0 56	13 19	1 23	20 5	1 26	9 57	0 53	7 45	2 45	3 28	0 42	19 51	0 31	20 51	1 48	18 39	18 57	26 55		n.a.
T 4	2 58	10 44	4 46	8 57	1 3	13 11	1 15	19 57	1 27	10 2	0 53	7 46	2 45	3 26	0 42	19 51	0 31	20 51	1 48	18 37	18 56	26 55		n.a.
W 5	3 22	5 4	4 14	9 38	1 9	13 2	1 7	19 49	1 28	10 7	0 53	7 48	2 45	3 25	0 42	19 51	0 31	20 52	1 48	18 35	18 56	26 54		n.a.
T 6	3 46	0n56	3 27	10 18	1 15	12 53	0 59	19 40	1 29	10 11	0 53	7 49	2 45	3 23	0 42	19 50	0 31	20 52	1 48	18 33	18 55	26 54		n.a.
F 7	4 10	7 1	2 28	10 57	1 21	12 42	0 51	19 31	1 29	10 16	0 53	7 51	2 45	3 22	0 42	19 50	0 31	20 52	1 48	18 32	18 54	26 54		n.a.
S 8	4 34	12 53	1 19	11 35	1 27	12 32	0 44	19 23	1 30	10 21	0 52	7 52	2 45	3 20	0 42	19 50	0 31	20 52	1 48	18 31	18 53	26 54		n.a.
S 9	4 57	18 12	0 5	12 13	1 33	12 20	0 36	19 14	1 31	10 26	0 52	7 54	2 45	3 19	0 42	19 50	0 31	20 53	1 48	18 31	18 52	26 54		n.a.
M10	5 21	22 34	1n10	12 51	1 39	12 9	0 29	19 5	1 31	10 31	0 52	7 55	2 45	3 18	0 42	19 49	0 31	20 53	1 47	18 31	18 52	26 54		n.a.
T 11	5 45	25 38	2 22	13 27	1 44	11 56	0 22	18 56	1 32	10 35	0 52	7 57	2 45	3 16	0 42	19 49	0 31	20 53	1 47	18 31	18 51	26 53		n.a.
W12	6 9	27 6	3 25	14 3	1 50	11 43	0 15	18 47	1 33	10 40	0 52	7 58	2 44	3 15	0 42	19 49	0 31	20 54	1 47	18 32	18 50	26 53		n.a.
T 13	6 32	26 48	4 17	14 38	1 55	11 30	0 8	18 38	1 34	10 45	0 52	8 0	2 44	3 13	0 42	19 49	0 31	20 54	1 47	18 32	18 49	26 53		n.a.
F 14	6 56	24 46	4 52	15 12	2 0	11 16	0 1	18 29	1 34	10 50	0 52	8 1	2 44	3 12	0 42	19 48	0 31	20 54	1 47	18 31	18 48	26 53		n.a.
S 15	7 19	21 13	5 10	15 46	2 4	11 1	0n 5	18 20	1 35	10 55	0 52	8 2	2 44	3 10	0 42	19 48	0 31	20 55	1 47	18 31	18 48	26 52		n.a.
S 16	7 42	16 28	5 9	16 18	2 9	10 46	0 11	18 11	1 36	10 59	0 52	8 4	2 44	3 9	0 42	19 48	0 31	20 55	1 47	18 30	18 47	26 52		n.a.
M17	8 5	10 53	4 50	16 50	2 13	10 30	0 18	18 1	1 37	11 4	0 52	8 5	2 44	3 8	0 42	19 48	0 31	20 55	1 46	18 29	18 46	26 52		n.a.
T 18	8 28	4 50	4 14	17 20	2 17	10 14	0 24	17 52	1 37	11 9	0 51	8 6	2 44	3 6	0 42	19 48	0 31	20 55	1 46	18 27	18 45	26 52		n.a.
W19	8 51	1s22	3 24	17 49	2 20	9 57	0 30	17 43	1 38	11 14	0 51	8 7	2 43	3 5	0 42	19 48	0 31	20 56	1 46	18 26	18 44	26 51		n.a.
T 20	9 14	7 23	2 24	18 17	2 23	9 40	0 35	17 33	1 39	11 19	0 51	8 8	2 43	3 4	0 42	19 47	0 31	20 56	1 46	18 25	18 44	26 51		n.a.
F 21	9 37	12 59	1 17	18 44	2 26	9 23	0 41	17 23	1 40	11 23	0 51	8 10	2 43	3 2	0 42	19 47	0 31	20 56	1 46	18 24	18 43	26 51		n.a.
S 22	9 59	17 55	0 8	19 10	2 28	9 5	0 46	17 14	1 41	11 28	0 51	8 11	2 43	3 1	0 42	19 47	0 31	20 57	1 46	18 24	18 42	26 50		n.a.
S 23	10 22	21 57	1s 1	19 34	2 30	8 46	0 52	17 4	1 41	11 33	0 51	8 12	2 43	3 0	0 42	19 47	0 31	20 57	1 46	18 24	18 41	26 50		n.a.
M24	10 44	24 56	2 5	19 57	2 31	8 27	0 57	16 55	1 42	11 38	0 51	8 13	2 42	2 58	0 42	19 47	0 31	20 57	1 45	18 25	18 40	26 50		n.a.
T 25	11 6	26 44	3 2	20 18	2 32	8 8	1 2	16 45	1 43	11 42	0 51	8 14	2 42	2 57	0 42	19 47	0 32	20 58	1 45	18 25	18 39	26 49		n.a.
W26	11 28	27 16	3 51	20 38	2 32	7 48	1 7	16 35	1 44	11 47	0 51	8 14	2 42	2 56	0 42	19 47	0 32	20 58	1 45	18 26	18 39	26 49		n.a.
T 27	11 49	26 33	4 30	20 55	2 31	7 28	1 11	16 25	1 44	11 52	0 51	8 15	2 42	2 54	0 42	19 47	0 32	20 58	1 45	18 26	18 38	26 49		n.a.
F 28	12 11	24 38	4 58	21 11	2 30	7 8	1 16	16 15	1 45	11 57	0 51	8 16	2 42	2 53	0 42	19 47	0 32	20 59	1 45	18 26	18 37	26 48		n.a.
S 29	12 32	21 38	5 13	21 25	2 28	6 47	1 20	16 6	1 46	12 1	0 51	8 17	2 41	2 52	0 42	19 46	0 32	20 59	1 45	18 26	18 36	26 48		n.a.
S 30	12 53	17 39	5 14	21 37	2 25	6 25	1 24	15 56	1 47	12 6	0 51	8 18	2 41	2 51	0 42	19 46	0 32	20 59	1 45	18 25	18 35	26 48		n.a.
M31	13s14	12s51	5s 1	21s46	2s21	6n 4	1n28	15n46	1n48	12s11	0n50	8s18	2s41	2n49	0n42	19n46	0n32	21s 0	1n45	18n25	18n35	26s47		n.a.

Julian Day Number = 1643898.5, Delta T = 03h34m50s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'58, Lahiri = - 6°52'57 Julian Calendar 1 Oct. 213 BCE == Greg. Calendar 27 Sept. 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

NOVEMBER 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 26 40	5♏41'23	21♓56	26♏50	19♍18	23♌22	4♏ 8	15°R19	24♍38	4♌56	13♐48	21°R42	22♉18	17♑ 9	n.a.	T 1
W 2	2 30 36	6°42'22	5♈ 1	27°33	20°23	23°54	4°21	15♓17	24°41	4°56	13°50	21♉40	22°15	17°16	n.a.	W 2
T 3	2 34 33	7°43'22	18°28	28° 9	21°28	24°26	4°35	15°15	24°44	4°57	13°52	21°38	22°12	17°22	n.a.	T 3
F 4	2 38 29	8°44'22	2♉16	28°38	22°33	24°57	4°49	15°13	24°47	4°57	13°54	21°37	22° 9	17°29	n.a.	F 4
S 5	2 42 26	9°45'24	16°21	28°59	23°39	25°29	5° 2	15°11	24°50	4°57	13°55	21°D36	22° 5	17°36	n.a.	S 5
S 6	2 46 22	10°46'27	0♊39	29°11	24°45	26° 1	5°16	15°10	24°53	4°57	13°57	21°36	22° 2	17°42	n.a.	S 6
M 7	2 50 19	11°47'31	15° 6	29°R13	25°51	26°32	5°29	15° 8	24°55	4°57	13°59	21°37	21°59	17°49	n.a.	M 7
T 8	2 54 16	12°48'37	29°36	29° 5	26°58	27° 3	5°43	15° 7	24°58	4°57	14° 1	21°37	21°56	17°56	n.a.	T 8
W 9	2 58 12	13°49'43	14♋ 3	28°45	28° 4	27°35	5°56	15° 5	25° 1	4°58	14° 3	21°38	21°53	18° 3	n.a.	W 9
T 10	3 2 9	14°50'50	28°25	28°14	29°12	28° 6	6° 9	15° 4	25° 4	4°R58	14° 5	21°39	21°49	18° 9	n.a.	T 10
F 11	3 6 5	15°51'59	12♌37	27°32	0♎19	28°37	6°23	15° 3	25° 7	4°58	14° 6	21°R39	21°46	18°16	n.a.	F 11
S 12	3 10 2	16°53'08	26°38	26°39	1°26	29° 7	6°36	15° 2	25° 9	4°57	14° 8	21°39	21°43	18°23	n.a.	S 12
S 13	3 13 58	17°54'19	10♍26	25°36	2°34	29°38	6°50	15° 1	25°12	4°57	14°10	21°39	21°40	18°29	n.a.	S 13
M14	3 17 55	18°55'30	24° 1	24°24	3°42	0♍ 9	7° 3	15° 0	25°15	4°57	14°12	21°38	21°37	18°36	n.a.	M14
T 15	3 21 51	19°56'42	7♎22	23° 6	4°50	0°39	7°17	14°59	25°17	4°57	14°14	21°38	21°34	18°43	n.a.	T 15
W16	3 25 48	20°57'55	20°30	21°44	5°58	1° 9	7°30	14°59	25°20	4°57	14°16	21°38	21°30	18°49	n.a.	W16
T 17	3 29 45	21°59'09	3♏25	20°21	7° 7	1°39	7°43	14°58	25°22	4°57	14°18	21°D38	21°27	18°56	n.a.	T 17
F 18	3 33 41	23° 0'23	16° 7	19° 0	8°16	2° 9	7°57	14°58	25°25	4°57	14°20	21°R38	21°24	19° 3	n.a.	F 18
S 19	3 37 38	24° 1'38	28°36	17°44	9°24	2°39	8°10	14°58	25°27	4°56	14°22	21°38	21°21	19°10	n.a.	S 19
S 20	3 41 34	25° 2'53	10♐54	16°34	10°33	3° 8	8°23	14°58	25°30	4°56	14°24	21°38	21°18	19°16	n.a.	S 20
M21	3 45 31	26° 4'09	23° 1	15°32	11°43	3°38	8°36	14°D58	25°32	4°56	14°26	21°37	21°15	19°23	n.a.	M21
T 22	3 49 27	27° 5'25	5♑ 0	14°40	12°52	4° 7	8°50	14°58	25°34	4°55	14°28	21°37	21°11	19°30	n.a.	T 22
W23	3 53 24	28° 6'41	16°53	13°59	14° 2	4°36	9° 3	14°58	25°36	4°55	14°30	21°36	21° 8	19°36	n.a.	W23
T 24	3 57 21	29° 7'57	28°43	13°28	15°11	5° 5	9°16	14°58	25°39	4°54	14°32	21°35	21° 5	19°43	n.a.	T 24
F 25	4 1 17	0♐ 9'13	10♒35	13° 8	16°21	5°34	9°29	14°59	25°41	4°54	14°34	21°34	21° 2	19°50	n.a.	F 25
S 26	4 5 14	1°10'29	22°31	12°D59	17°31	6° 2	9°42	14°59	25°43	4°53	14°36	21°33	20°59	19°56	n.a.	S 26
S 27	4 9 10	2°11'45	4♓38	12°59	18°41	6°31	9°55	15° 0	25°45	4°53	14°38	21°D33	20°55	20° 3	n.a.	S 27
M28	4 13 7	3°13'01	16°59	13° 8	19°51	6°59	10° 8	15° 1	25°47	4°52	14°40	21°34	20°52	20°10	n.a.	M28
T 29	4 17 3	4°14'16	29°40	13°26	21° 2	7°27	10°21	15° 1	25°49	4°52	14°42	21°34	20°49	20°17	n.a.	T 29
W30	4 21 0	5♐15'32	12♈43	13♏51	22♎12	7♍55	10♏34	15♓ 2	25♍51	4♌51	14♐44	21♉36	20♉46	20♑23	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s34	7s24	4s33	21s53	2s16	5n42	1n32	15n36	1n48	12s15	0n50	8s19	2s41	2n48	0n42	19n46	0n32	21s 0	1n44	18n24	18n34	26s47		n.a.
W 2	13 55	1 30	3 50	21 57	2 9	5 19	1 36	15 26	1 49	12 20	0 50	8 20	2 41	2 47	0 42	19 46	0 32	21 0	1 44	18 24	18 33	26 47		n.a.
T 3	14 15	4n39	2 53	21 58	2 2	4 57	1 40	15 16	1 50	12 25	0 50	8 20	2 40	2 46	0 42	19 46	0 32	21 1	1 44	18 23	18 32	26 46		n.a.
F 4	14 35	10 45	1 45	21 56	1 54	4 34	1 43	15 6	1 51	12 29	0 50	8 21	2 40	2 44	0 42	19 46	0 32	21 1	1 44	18 23	18 31	26 46		n.a.
S 5	14 55	16 27	0 29	21 51	1 44	4 11	1 46	14 56	1 52	12 34	0 50	8 21	2 40	2 43	0 42	19 46	0 32	21 1	1 44	18 23	18 30	26 45		n.a.
S 6	15 14	21 21	0n50	21 43	1 32	3 47	1 50	14 46	1 53	12 39	0 50	8 22	2 40	2 42	0 42	19 46	0 32	21 2	1 44	18 23	18 30	26 45		n.a.
M 7	15 33	24 59	2 7	21 31	1 19	3 23	1 53	14 36	1 53	12 43	0 50	8 22	2 39	2 41	0 42	19 46	0 32	21 2	1 44	18 23	18 29	26 45		n.a.
T 8	15 52	26 59	3 15	21 15	1 5	2 59	1 55	14 25	1 54	12 48	0 50	8 22	2 39	2 40	0 42	19 46	0 32	21 2	1 44	18 23	18 28	26 44		n.a.
W 9	16 11	27 8	4 12	20 55	0 49	2 35	1 58	14 15	1 55	12 52	0 50	8 23	2 39	2 39	0 42	19 46	0 32	21 3	1 43	18 23	18 27	26 44		n.a.
T 10	16 29	25 29	4 52	20 31	0 32	2 10	2 1	14 5	1 56	12 57	0 50	8 23	2 39	2 38	0 42	19 46	0 32	21 3	1 43	18 23	18 26	26 43		n.a.
F 11	16 47	22 13	5 13	20 3	0 13	1 45	2 3	13 55	1 57	13 1	0 50	8 23	2 38	2 37	0 42	19 46	0 32	21 3	1 43	18 23	18 25	26 43		n.a.
S 12	17 5	17 43	5 16	19 32	0n 6	1 20	2 6	13 45	1 58	13 6	0 50	8 23	2 38	2 36	0 42	19 46	0 32	21 4	1 43	18 23	18 25	26 42		n.a.
S 13	17 22	12 22	5 0	18 57	0 27	0 55	2 8	13 35	1 59	13 10	0 50	8 24	2 38	2 34	0 42	19 46	0 32	21 4	1 43	18 23	18 24	26 42		n.a.
M14	17 39	6 30	4 28	18 20	0 47	0 30	2 10	13 25	2 0	13 15	0 50	8 24	2 38	2 33	0 42	19 46	0 32	21 4	1 43	18 23	18 23	26 41		n.a.
T 15	17 56	0 26	3 42	17 41	1 7	0 4	2 12	13 15	2 0	13 19	0 50	8 24	2 37	2 32	0 42	19 46	0 32	21 5	1 43	18 23	18 22	26 41		n.a.
W16	18 13	5s34	2 44	17 1	1 27	0s22	2 13	13 5	2 1	13 24	0 50	8 24	2 37	2 31	0 42	19 46	0 32	21 5	1 43	18 23	18 21	26 40		n.a.
T 17	18 29	11 15	1 39	16 21	1 45	0 47	2 15	12 55	2 2	13 28	0 50	8 24	2 37	2 30	0 42	19 47	0 32	21 5	1 42	18 23	18 20	26 40		n.a.
F 18	18 45	16 22	0 31	15 43	2 2	1 13	2 17	12 45	2 3	13 33	0 49	8 24	2 37	2 30	0 42	19 47	0 32	21 6	1 42	18 23	18 20	26 39		n.a.
S 19	19 0	20 43	0s39	15 8	2 17	1 40	2 18	12 35	2 4	13 37	0 49	8 23	2 36	2 29	0 42	19 47	0 32	21 6	1 42	18 23	18 19	26 39		n.a.
S 20	19 15	24 4	1 45	14 36	2 29	2 6	2 19	12 25	2 5	13 41	0 49	8 23	2 36	2 28	0 43	19 47	0 32	21 6	1 42	18 23	18 18	26 38		n.a.
M21	19 30	26 17	2 45	14 9	2 40	2 32	2 20	12 15	2 6	13 46	0 49	8 23	2 36	2 27	0 43	19 47	0 32	21 7	1 42	18 23	18 17	26 38		n.a.
T 22	19 44	27 15	3 38	13 46	2 48	2 58	2 21	12 5	2 7	13 50	0 49	8 23	2 36	2 26	0 43	19 47	0 32	21 7	1 42	18 23	18 16	26 37		n.a.
W23	19 58	26 57	4 21	13 28	2 53	3 25	2 22	11 55	2 8	13 54	0 49	8 22	2 35	2 25	0 43	19 47	0 32	21 7	1 42	18 23	18 15	26 37		n.a.
T 24	20 12	25 25	4 52	13 15	2 57	3 51	2 23	11 45	2 9	13 58	0 49	8 22	2 35	2 24	0 43	19 47	0 32	21 8	1 42	18 22	18 14	26 36		n.a.
F 25	20 25	22 46	5 11	13 8	2 59	4 18	2 24	11 35	2 10	14 3	0 49	8 22	2 35	2 23	0 43	19 47	0 32	21 8	1 42	18 22	18 14	26 36		n.a.
S 26	20 38	19 9	5 17	13 5	2 59	4 44	2 24	11 25	2 11	14 7	0 49	8 21	2 35	2 22	0 43	19 48	0 32	21 8	1 41	18 22	18 13	26 35		n.a.
S 27	20 51	14 42	5 9	13 6	2 58	5 11	2 24	11 16	2 12	14 11	0 49	8 21	2 34	2 22	0 43	19 48	0 33	21 9	1 41	18 22	18 12	26 34		n.a.
M28	21 3	9 35	4 46	13 11	2 55	5 37	2 25	11 6	2 12	14 15	0 49	8 20	2 34	2 21	0 43	19 48	0 33	21 9	1 41	18 22	18 11	26 34		n.a.
T 29	21 15	3 57	4 10	13 20	2 51	6 4	2 25	10 56	2 13	14 19	0 49	8 20	2 34	2 20	0 43	19 48	0 33	21 9	1 41	18 22	18 10	26 33		n.a.
W30	21s26	2n 2	3s19	13s32	2n47	6s30	2n25	10n47	2n14	14s24	0n49	8s19	2s34	2n19	0n43	19n48	0n33	21s10	1n41	18n23	18n 9	26s33		n.a.

Julian Day Number = 1643929.5, Delta T = 03h34m49s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'53, Lahiri = - 6°52'53 Julian Calendar 1 Nov. 213 BCE == Greg. Calendar 28 Oct. 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 213 BCE
geocentric

DECEMBER 213 BCE (-212) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 24 56	6♐16'46	26♈11	14♏23	23♎23	8♍22	10♏47	15♓ 4	25♍53	4°R50	14♐46	21♉37	20♉43	20♑30	n.a.	T 1
F 2	4 28 53	7°18'01	10♉ 5	15° 1	24°33	8°50	11° 0	15° 5	25°55	4♌50	14°48	21°38	20°40	20°37	n.a.	F 2
S 3	4 32 50	8°19'16	24°24	15°45	25°44	9°17	11°13	15° 6	25°56	4°49	14°50	21°R38	20°36	20°43	n.a.	S 3
S 4	4 36 46	9°20'30	9♊ 3	16°33	26°55	9°44	11°26	15° 7	25°58	4°48	14°52	21°37	20°33	20°50	n.a.	S 4
M 5	4 40 43	10°21'45	23°57	17°26	28° 6	10°10	11°38	15° 9	26° 0	4°47	14°54	21°36	20°30	20°57	n.a.	M 5
T 6	4 44 39	11°22'59	8♋55	18°23	29°17	10°37	11°51	15°11	26° 1	4°46	14°56	21°33	20°27	21° 4	n.a.	T 6
W 7	4 48 36	12°24'13	23°51	19°23	0♏28	11° 3	12° 4	15°12	26° 3	4°46	14°59	21°30	20°24	21°10	n.a.	W 7
T 8	4 52 32	13°25'27	8♌36	20°27	1°40	11°29	12°16	15°14	26° 4	4°45	15° 1	21°28	20°21	21°17	n.a.	T 8
F 9	4 56 29	14°26'41	23° 4	21°33	2°51	11°55	12°29	15°16	26° 6	4°44	15° 3	21°25	20°17	21°24	n.a.	F 9
S 10	5 0 26	15°27'55	7♍12	22°41	4° 3	12°21	12°41	15°18	26° 7	4°43	15° 5	21°24	20°14	21°30	n.a.	S 10
S 11	5 4 22	16°29'08	20°58	23°52	5°14	12°46	12°54	15°21	26° 9	4°42	15° 7	21°D24	20°11	21°37	n.a.	S 11
M12	5 8 19	17°30'22	4♎22	25° 5	6°26	13°11	13° 6	15°23	26°10	4°41	15° 9	21°25	20° 8	21°44	n.a.	M12
T 13	5 12 15	18°31'35	17°27	26°19	7°38	13°36	13°18	15°25	26°11	4°40	15°11	21°26	20° 5	21°50	n.a.	T 13
W14	5 16 12	19°32'48	0♏16	27°35	8°50	14° 1	13°30	15°28	26°12	4°39	15°13	21°28	20° 1	21°57	n.a.	W14
T 15	5 20 8	20°34'01	12°50	28°53	10° 2	14°25	13°43	15°30	26°13	4°38	15°15	21°29	19°58	22° 4	n.a.	T 15
F 16	5 24 5	21°35'13	25°13	0♐12	11°13	14°49	13°55	15°33	26°14	4°37	15°17	21°R30	19°55	22°11	n.a.	F 16
S 17	5 28 1	22°36'25	7♐26	1°32	12°26	15°13	14° 7	15°36	26°15	4°36	15°19	21°28	19°52	22°17	n.a.	S 17
S 18	5 31 58	23°37'36	19°31	2°53	13°38	15°36	14°19	15°39	26°16	4°34	15°21	21°25	19°49	22°24	n.a.	S 18
M19	5 35 55	24°38'47	1♑31	4°16	14°50	15°59	14°31	15°42	26°17	4°33	15°23	21°21	19°46	22°31	n.a.	M19
T 20	5 39 51	25°39'57	13°25	5°39	16° 2	16°22	14°42	15°45	26°18	4°32	15°25	21°15	19°42	22°37	n.a.	T 20
W21	5 43 48	26°41'05	25°17	7° 3	17°14	16°45	14°54	15°48	26°19	4°31	15°28	21° 8	19°39	22°44	n.a.	W21
T 22	5 47 44	27°42'13	7♒ 8	8°29	18°27	17° 7	15° 6	15°52	26°20	4°30	15°30	21° 1	19°36	22°51	n.a.	T 22
F 23	5 51 41	28°43'20	19° 0	9°55	19°39	17°29	15°17	15°55	26°20	4°28	15°32	20°54	19°33	22°58	n.a.	F 23
S 24	5 55 37	29°44'26	0♓56	11°21	20°52	17°51	15°29	15°58	26°21	4°27	15°34	20°49	19°30	23° 4	n.a.	S 24
S 25	5 59 34	0♑45'30	13° 1	12°49	22° 4	18°12	15°40	16° 2	26°22	4°26	15°36	20°45	19°27	23°11	n.a.	S 25
M26	6 3 30	1°46'33	25°17	14°17	23°17	18°33	15°52	16° 6	26°22	4°24	15°38	20°43	19°23	23°18	n.a.	M26
T 27	6 7 27	2°47'35	7♈51	15°46	24°29	18°53	16° 3	16°10	26°23	4°23	15°40	20°D43	19°20	23°24	n.a.	T 27
W28	6 11 24	3°48'36	20°46	17°16	25°42	19°13	16°14	16°13	26°23	4°22	15°42	20°44	19°17	23°31	n.a.	W28
T 29	6 15 20	4°49'35	4♉ 6	18°47	26°55	19°33	16°25	16°17	26°23	4°20	15°44	20°46	19°14	23°38	n.a.	T 29
F 30	6 19 17	5°50'33	17°54	20°18	28° 7	19°53	16°37	16°22	26°24	4°19	15°46	20°R46	19°11	23°45	n.a.	F 30
S 31	6 23 13	6♑51'29	2♊10	21♐50	29♏20	20♍12	16♏47	16♓26	26♍24	4♌17	15♐48	20♉46	19♉ 7	23♑51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s37	8n 7	2s16	13s47	2n41	6s57	2n25	10n37	2n15	14s28	0n49	8s18	2s33	2n19	0n43	19n49	0n33	21s10	1n41	18n23	18n 9	26s32			n.a.
F 2	21 47	14 1	1 3	14 4	2 35	7 23	2 25	10 27	2 16	14 32	0 49	8 18	2 33	2 18	0 43	19 49	0 33	21 10	1 41	18 23	18 8	26 31			n.a.
S 3	21 57	19 20	0n15	14 23	2 29	7 49	2 24	10 18	2 17	14 36	0 49	8 17	2 33	2 17	0 43	19 49	0 33	21 11	1 41	18 23	18 7	26 31			n.a.
S 4	22 7	23 38	1 35	14 43	2 22	8 15	2 24	10 9	2 18	14 40	0 49	8 16	2 33	2 17	0 43	19 49	0 33	21 11	1 41	18 23	18 6	26 30			n.a.
M 5	22 16	26 24	2 49	15 6	2 14	8 42	2 23	9 59	2 19	14 44	0 49	8 15	2 32	2 16	0 43	19 49	0 33	21 11	1 41	18 23	18 5	26 29			n.a.
T 6	22 25	27 17	3 52	15 29	2 6	9 7	2 23	9 50	2 20	14 48	0 49	8 14	2 32	2 15	0 43	19 50	0 33	21 12	1 40	18 22	18 4	26 29			n.a.
W 7	22 33	26 10	4 39	15 53	1 58	9 33	2 22	9 41	2 21	14 52	0 49	8 13	2 32	2 15	0 43	19 50	0 33	21 12	1 40	18 21	18 3	26 28			n.a.
T 8	22 41	23 15	5 7	16 18	1 50	9 59	2 21	9 32	2 22	14 55	0 49	8 12	2 32	2 14	0 43	19 50	0 33	21 12	1 40	18 20	18 3	26 28			n.a.
F 9	22 48	18 56	5 15	16 43	1 42	10 25	2 20	9 23	2 24	14 59	0 49	8 11	2 31	2 14	0 43	19 50	0 33	21 13	1 40	18 20	18 2	26 27			n.a.
S 10	22 55	13 39	5 3	17 9	1 34	10 50	2 19	9 14	2 25	15 3	0 49	8 10	2 31	2 13	0 43	19 51	0 33	21 13	1 40	18 20	18 1	26 26			n.a.
S 11	23 2	7 49	4 34	17 35	1 25	11 15	2 18	9 5	2 26	15 7	0 49	8 9	2 31	2 13	0 43	19 51	0 33	21 13	1 40	18 19	18 0	26 25			n.a.
M12	23 8	1 46	3 51	18 1	1 17	11 40	2 17	8 56	2 27	15 11	0 49	8 8	2 30	2 12	0 43	19 51	0 33	21 14	1 40	18 20	17 59	26 25			n.a.
T 13	23 13	4s13	2 56	18 27	1 9	12 5	2 16	8 47	2 28	15 14	0 49	8 7	2 30	2 12	0 43	19 51	0 33	21 14	1 40	18 20	17 58	26 24			n.a.
W14	23 18	9 55	1 54	18 53	1 0	12 29	2 14	8 39	2 29	15 18	0 49	8 6	2 30	2 11	0 43	19 52	0 33	21 14	1 40	18 21	17 57	26 23			n.a.
T 15	23 23	15 7	0 47	19 18	0 52	12 54	2 13	8 30	2 30	15 22	0 49	8 4	2 30	2 11	0 43	19 52	0 33	21 15	1 40	18 21	17 57	26 23			n.a.
F 16	23 27	19 37	0s20	19 43	0 44	13 18	2 11	8 22	2 31	15 25	0 49	8 3	2 29	2 10	0 43	19 52	0 33	21 15	1 40	18 21	17 56	26 22			n.a.
S 17	23 31	23 13	1 26	20 8	0 35	13 41	2 10	8 13	2 32	15 29	0 49	8 2	2 29	2 10	0 43	19 53	0 33	21 15	1 39	18 21	17 55	26 21			n.a.
S 18	23 34	25 45	2 27	20 32	0 27	14 5	2 8	8 5	2 33	15 33	0 49	8 0	2 29	2 10	0 43	19 53	0 33	21 16	1 39	18 20	17 54	26 20			n.a.
M19	23 37	27 4	3 21	20 56	0 19	14 28	2 6	7 57	2 34	15 36	0 49	7 59	2 29	2 9	0 44	19 53	0 33	21 16	1 39	18 19	17 53	26 20			n.a.
T 20	23 39	27 7	4 6	21 19	0 11	14 51	2 4	7 49	2 35	15 40	0 49	7 58	2 28	2 9	0 44	19 53	0 33	21 16	1 39	18 17	17 52	26 19			n.a.
W21	23 41	25 54	4 39	21 41	0 4	15 13	2 3	7 41	2 37	15 43	0 49	7 56	2 28	2 9	0 44	19 54	0 33	21 17	1 39	18 15	17 51	26 18			n.a.
T 22	23 42	23 33	5 1	22 3	0s 4	15 35	2 1	7 34	2 38	15 47	0 49	7 55	2 28	2 9	0 44	19 54	0 33	21 17	1 39	18 13	17 50	26 17			n.a.
F 23	23 43	20 12	5 10	22 23	0 11	15 57	1 59	7 26	2 39	15 50	0 49	7 53	2 28	2 8	0 44	19 54	0 33	21 17	1 39	18 12	17 50	26 17			n.a.
S 24	23 43	16 1	5 5	22 43	0 19	16 19	1 56	7 19	2 40	15 53	0 49	7 51	2 28	2 8	0 44	19 55	0 33	21 18	1 39	18 10	17 49	26 16			n.a.
S 25	23 43	11 9	4 47	23 2	0 26	16 40	1 54	7 11	2 41	15 57	0 49	7 50	2 27	2 8	0 44	19 55	0 33	21 18	1 39	18 9	17 48	26 15			n.a.
M26	23 43	5 48	4 16	23 20	0 33	17 0	1 52	7 4	2 42	16 0	0 49	7 48	2 27	2 8	0 44	19 55	0 33	21 18	1 39	18 9	17 47	26 14			n.a.
T 27	23 42	0 5	3 31	23 37	0 40	17 21	1 50	6 57	2 43	16 3	0 49	7 46	2 27	2 8	0 44	19 56	0 33	21 18	1 39	18 9	17 46	26 13			n.a.
W28	23 40	5n48	2 35	23 52	0 46	17 41	1 47	6 50	2 45	16 7	0 49	7 45	2 27	2 7	0 44	19 56	0 33	21 19	1 39	18 9	17 45	26 13			n.a.
T 29	23 38	11 38	1 29	24 7	0 53	18 0	1 45	6 43	2 46	16 10	0 49	7 43	2 26	2 7	0 44	19 57	0 33	21 19	1 38	18 9	17 44	26 12			n.a.
F 30	23 35	17 7	0 16	24 20	0 59	18 19	1 42	6 36	2 47	16 13	0 49	7 41	2 26	2 7	0 44	19 57	0 33	21 19	1 38	18 10	17 43	26 11			n.a.
S 31	23s33	21n50	1n 1	24s32	1s 5	18s37	1n40	6n30	2n48	16s16	0n49	7s39	2s26	2n 7	0n44	19n57	0n33	21s20	1n38	18n 9	17n43	26s10			n.a.

Julian Day Number = 1643959.5, Delta T = 03h34m48s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'49, Lahiri = - 6°52'49 Julian Calendar 1 Dec. 213 BCE == Greg. Calendar 27 Nov. 213 BCE

The year -212 astronomical counting style corresponds to year 213 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

JANUARY 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 27 10	7♉52'25	16♊53	23♐22	0♐33	20♍30	16♏58	16♓30	26♍24	4°R16	15♐50	20°R43	19♉ 4	23♉58	n.a.	S 1
M 2	6 31 6	8°53'19	1♋57	24°55	1°46	20°49	17° 9	16°34	26°24	4♌14	15°52	20♉39	19° 1	24° 5	n.a.	M 2
T 3	6 35 3	9°54'11	17°14	26°30	2°59	21° 7	17°20	16°39	26°24	4°13	15°53	20°32	18°58	24°11	n.a.	T 3
W 4	6 39 0	10°55'03	2♌31	28° 4	4°12	21°24	17°30	16°43	26°R24	4°11	15°55	20°24	18°55	24°18	n.a.	W 4
T 5	6 42 56	11°55'53	17°39	29°40	5°24	21°41	17°41	16°48	26°24	4°10	15°57	20°16	18°52	24°25	n.a.	T 5
F 6	6 46 53	12°56'42	2♍28	1♉16	6°37	21°58	17°51	16°53	26°24	4° 8	15°59	20° 9	18°48	24°32	n.a.	F 6
S 7	6 50 49	13°57'29	16°51	2°53	7°50	22°14	18° 2	16°57	26°24	4° 7	16° 1	20° 4	18°45	24°38	n.a.	S 7
S 8	6 54 46	14°58'16	0♎46	4°31	9° 3	22°29	18°12	17° 2	26°24	4° 5	16° 3	20° 0	18°42	24°45	n.a.	S 8
M 9	6 58 42	15°59'01	14°13	6° 9	10°17	22°45	18°22	17° 7	26°24	4° 4	16° 5	19°D59	18°39	24°52	n.a.	M 9
T 10	7 2 39	16°59'46	27°15	7°48	11°30	22°59	18°32	17°12	26°23	4° 2	16° 7	20° 0	18°36	24°58	n.a.	T 10
W11	7 6 35	18° 0'29	9♏56	9°29	12°43	23°14	18°42	17°17	26°23	4° 1	16° 9	20° 1	18°33	25° 5	n.a.	W11
T 12	7 10 32	19° 1'11	22°20	11°10	13°56	23°27	18°52	17°23	26°22	3°59	16°10	20°R 1	18°29	25°12	n.a.	T 12
F 13	7 14 29	20° 1'51	4♐30	12°51	15° 9	23°41	19° 1	17°28	26°22	3°57	16°12	20° 0	18°26	25°18	n.a.	F 13
S 14	7 18 25	21° 2'30	16°32	14°34	16°22	23°53	19°11	17°33	26°21	3°56	16°14	19°56	18°23	25°25	n.a.	S 14
S 15	7 22 22	22° 3'08	28°28	16°18	17°36	24° 6	19°20	17°39	26°21	3°54	16°16	19°50	18°20	25°32	n.a.	S 15
M16	7 26 18	23° 3'45	10♉21	18° 2	18°49	24°17	19°30	17°44	26°20	3°52	16°17	19°41	18°17	25°39	n.a.	M16
T 17	7 30 15	24° 4'19	22°12	19°47	20° 2	24°28	19°39	17°50	26°19	3°51	16°19	19°29	18°13	25°45	n.a.	T 17
W18	7 34 11	25° 4'52	4♒ 4	21°33	21°15	24°39	19°48	17°55	26°19	3°49	16°21	19°16	18°10	25°52	n.a.	W18
T 19	7 38 8	26° 5'23	15°57	23°21	22°29	24°49	19°57	18° 1	26°18	3°48	16°23	19° 3	18° 7	25°59	n.a.	T 19
F 20	7 42 4	27° 5'53	27°53	25° 9	23°42	24°58	20° 6	18° 7	26°17	3°46	16°24	18°50	18° 4	26° 5	n.a.	F 20
S 21	7 46 1	28° 6'20	9♓53	26°57	24°55	25° 7	20°14	18°12	26°16	3°44	16°26	18°39	18° 1	26°12	n.a.	S 21
S 22	7 49 58	29° 6'46	22° 1	28°47	26° 9	25°15	20°23	18°18	26°15	3°43	16°28	18°31	17°58	26°19	n.a.	S 22
M23	7 53 54	0♒ 7'09	4♈19	0♒38	27°22	25°23	20°31	18°24	26°14	3°41	16°29	18°25	17°54	26°26	n.a.	M23
T 24	7 57 51	1° 7'30	16°51	2°29	28°35	25°29	20°40	18°30	26°13	3°39	16°31	18°23	17°51	26°32	n.a.	T 24
W25	8 1 47	2° 7'50	29°40	4°22	29°49	25°36	20°48	18°36	26°12	3°38	16°32	18°D22	17°48	26°39	n.a.	W25
T 26	8 5 44	3° 8'07	12♉51	6°14	1♉ 2	25°41	20°56	18°43	26°11	3°36	16°34	18°R22	17°45	26°46	n.a.	T 26
F 27	8 9 40	4° 8'22	26°27	8° 8	2°15	25°46	21° 4	18°49	26°10	3°34	16°35	18°22	17°42	26°52	n.a.	F 27
S 28	8 13 37	5° 8'35	10♊32	10° 2	3°29	25°51	21°12	18°55	26° 8	3°32	16°37	18°20	17°39	26°59	n.a.	S 28
S 29	8 17 33	6° 8'45	25° 4	11°57	4°42	25°54	21°20	19° 1	26° 7	3°31	16°39	18°16	17°35	27° 6	n.a.	S 29
M30	8 21 30	7° 8'54	10♋ 0	13°52	5°55	25°57	21°27	19° 8	26° 6	3°29	16°40	18° 9	17°32	27°13	n.a.	M30
T 31	8 25 27	8♒ 9'00	25♋13	15♒47	7♉ 9	25♍59	21♏35	19♓14	26♍ 4	3♌27	16♐41	18♉ 0	17♉29	27♉19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23s29	25n19	2n16	24s43	1s10	18s55	1n37	6n24	2n49	16s19	0n49	7s37	2s26	2n 7	0n44	19n58	0n33	21s20	1n38	18n 9	17n42	26s 9			n.a.
M 2	23 25	27 6	3 23	24 53	1 16	19 13	1 35	6 17	2 51	16 22	0 49	7 35	2 25	2 7	0 44	19 58	0 33	21 20	1 38	18 7	17 41	26 8			n.a.
T 3	23 21	26 50	4 17	25 1	1 21	19 30	1 32	6 11	2 52	16 25	0 49	7 33	2 25	2 7	0 44	19 58	0 33	21 20	1 38	18 6	17 40	26 8			n.a.
W 4	23 16	24 34	4 52	25 8	1 26	19 46	1 29	6 6	2 53	16 28	0 49	7 31	2 25	2 7	0 44	19 59	0 33	21 21	1 38	18 3	17 39	26 7			n.a.
T 5	23 11	20 34	5 6	25 14	1 31	20 2	1 26	6 0	2 54	16 31	0 49	7 29	2 25	2 7	0 44	19 59	0 33	21 21	1 38	18 1	17 38	26 6			n.a.
F 6	23 5	15 22	4 59	25 18	1 35	20 18	1 24	5 54	2 55	16 34	0 49	7 27	2 25	2 7	0 44	20 0	0 34	21 21	1 38	17 59	17 37	26 5			n.a.
S 7	22 59	9 27	4 34	25 21	1 39	20 33	1 21	5 49	2 57	16 37	0 49	7 25	2 24	2 7	0 44	20 0	0 34	21 22	1 38	17 58	17 36	26 4			n.a.
S 8	22 52	3 14	3 53	25 22	1 43	20 47	1 18	5 44	2 58	16 40	0 49	7 23	2 24	2 7	0 44	20 0	0 34	21 22	1 38	17 57	17 36	26 3			n.a.
M 9	22 45	2s55	3 0	25 21	1 46	21 1	1 15	5 39	2 59	16 43	0 49	7 21	2 24	2 8	0 44	20 1	0 34	21 22	1 38	17 57	17 35	26 2			n.a.
T 10	22 38	8 46	1 59	25 19	1 50	21 14	1 12	5 34	3 0	16 45	0 49	7 19	2 24	2 8	0 44	20 1	0 34	21 22	1 38	17 57	17 34	26 1			n.a.
W11	22 30	14 7	0 54	25 15	1 53	21 27	1 9	5 30	3 2	16 48	0 49	7 17	2 24	2 8	0 44	20 1	0 34	21 23	1 37	17 57	17 33	26 0			n.a.
T 12	22 21	18 46	0s12	25 9	1 55	21 39	1 6	5 25	3 3	16 51	0 49	7 14	2 23	2 8	0 44	20 2	0 34	21 23	1 37	17 57	17 32	26 0			n.a.
F 13	22 12	22 33	1 17	25 2	1 57	21 50	1 3	5 21	3 4	16 53	0 49	7 12	2 23	2 8	0 44	20 2	0 34	21 23	1 37	17 57	17 31	25 59			n.a.
S 14	22 3	25 18	2 17	24 53	1 59	22 1	1 0	5 17	3 5	16 56	0 49	7 10	2 23	2 9	0 44	20 3	0 34	21 23	1 37	17 56	17 30	25 58			n.a.
S 15	21 54	26 53	3 10	24 42	2 0	22 11	0 57	5 13	3 7	16 59	0 49	7 8	2 23	2 9	0 45	20 3	0 34	21 24	1 37	17 54	17 29	25 57			n.a.
M16	21 44	27 13	3 54	24 30	2 1	22 21	0 54	5 10	3 8	17 1	0 49	7 5	2 23	2 9	0 45	20 3	0 34	21 24	1 37	17 52	17 28	25 56			n.a.
T 17	21 33	26 17	4 29	24 15	2 2	22 30	0 51	5 6	3 9	17 4	0 50	7 3	2 22	2 10	0 45	20 4	0 34	21 24	1 37	17 49	17 28	25 55			n.a.
W18	21 22	24 11	4 51	23 59	2 2	22 38	0 48	5 3	3 10	17 6	0 50	7 0	2 22	2 10	0 45	20 4	0 34	21 24	1 37	17 45	17 27	25 54			n.a.
T 19	21 11	21 1	5 1	23 40	2 2	22 45	0 45	5 0	3 12	17 8	0 50	6 58	2 22	2 10	0 45	20 5	0 34	21 25	1 37	17 41	17 26	25 53			n.a.
F 20	20 59	17 0	4 58	23 20	2 1	22 52	0 42	4 58	3 13	17 11	0 50	6 56	2 22	2 11	0 45	20 5	0 34	21 25	1 37	17 38	17 25	25 52			n.a.
S 21	20 47	12 17	4 41	22 58	2 0	22 59	0 39	4 55	3 14	17 13	0 50	6 53	2 22	2 11	0 45	20 6	0 34	21 25	1 37	17 35	17 24	25 51			n.a.
S 22	20 35	7 3	4 12	22 34	1 58	23 4	0 36	4 53	3 15	17 15	0 50	6 51	2 22	2 11	0 45	20 6	0 34	21 25	1 37	17 32	17 23	25 50			n.a.
M23	20 22	1 29	3 31	22 8	1 55	23 9	0 33	4 51	3 16	17 18	0 50	6 48	2 21	2 12	0 45	20 6	0 34	21 25	1 37	17 31	17 22	25 49			n.a.
T 24	20 9	4n15	2 39	21 40	1 53	23 13	0 30	4 50	3 18	17 20	0 50	6 46	2 21	2 12	0 45	20 7	0 34	21 26	1 37	17 30	17 21	25 48			n.a.
W25	19 55	9 58	1 37	21 10	1 49	23 17	0 27	4 48	3 19	17 22	0 50	6 43	2 21	2 13	0 45	20 7	0 34	21 26	1 37	17 30	17 20	25 47			n.a.
T 26	19 41	15 25	0 29	20 38	1 45	23 20	0 23	4 47	3 20	17 24	0 50	6 40	2 21	2 13	0 45	20 8	0 34	21 26	1 37	17 30	17 19	25 46			n.a.
F 27	19 27	20 17	0n43	20 4	1 40	23 22	0 20	4 46	3 21	17 26	0 50	6 38	2 21	2 14	0 45	20 8	0 34	21 26	1 36	17 30	17 19	25 45			n.a.
S 28	19 12	24 11	1 54	19 28	1 35	23 23	0 17	4 46	3 22	17 28	0 50	6 35	2 21	2 14	0 45	20 8	0 34	21 27	1 36	17 29	17 18	25 44			n.a.
S 29	18 57	26 39	3 1	18 50	1 29	23 24	0 14	4 45	3 24	17 30	0 50	6 33	2 20	2 15	0 45	20 9	0 34	21 27	1 36	17 28	17 17	25 43			n.a.
M30	18 42	27 17	3 57	18 11	1 23	23 24	0 11	4 45	3 25	17 32	0 50	6 30	2 20	2 15	0 45	20 9	0 34	21 27	1 36	17 26	17 16	25 42			n.a.
T 31	18s27	25n53	4n37	17s30	1s16	23s23	0n 8	4n45	3n26	17s34	0n50	6s27	2s20	2n16	0n45	20n10	0n34	21s27	1n36	17n24	17n15	25s41			n.a.

Julian Day Number = 1643990.5, Delta T = 03h34m47s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'45, Lahiri = - 6°52'45 Julian Calendar 1 Jan. 212 BCE == Greg. Calendar 28 Dec. 213 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

FEBRUARY 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 29 23	9♒ 9'05	10♌34	17♒42	8♉22	26♍ 1	21♏42	19♓21	26°R 3	3°R26	16♐43	17°R49	17♉26	27♉26	n.a.	W 1
T 2	8 33 20	10° 9'07	25°50	19°37	9°36	26° 2	21°49	19°27	26♍ 1	3♌24	16°44	17♉38	17°23	27°33	n.a.	T 2
F 3	8 37 16	11° 9'08	10♍51	21°31	10°49	26°R 2	21°56	19°34	26° 0	3°22	16°46	17°27	17°19	27°40	n.a.	F 3
S 4	8 41 13	12° 9'06	25°28	23°25	12° 3	26° 1	22° 3	19°41	25°58	3°21	16°47	17°19	17°16	27°46	n.a.	S 4
S 5	8 45 9	13° 9'03	9♎35	25°17	13°16	26° 0	22°10	19°47	25°57	3°19	16°48	17°13	17°13	27°53	n.a.	S 5
M 6	8 49 6	14° 8'58	23°11	27° 8	14°30	25°57	22°16	19°54	25°55	3°18	16°50	17°10	17°10	28° 0	n.a.	M 6
T 7	8 53 2	15° 8'51	6♏19	28°57	15°43	25°54	22°22	20° 1	25°53	3°16	16°51	17° 9	17° 7	28° 6	n.a.	T 7
W 8	8 56 59	16° 8'42	19° 2	0♓43	16°57	25°51	22°29	20° 8	25°52	3°14	16°52	17° 9	17° 4	28°13	n.a.	W 8
T 9	9 0 56	17° 8'32	1♐25	2°26	18°10	25°46	22°35	20°14	25°50	3°13	16°53	17° 9	17° 0	28°20	n.a.	T 9
F 10	9 4 52	18° 8'20	13°32	4° 7	19°24	25°41	22°41	20°21	25°48	3°11	16°55	17° 7	16°57	28°27	n.a.	F 10
S 11	9 8 49	19° 8'06	25°30	5°43	20°37	25°35	22°46	20°28	25°46	3° 9	16°56	17° 3	16°54	28°33	n.a.	S 11
S 12	9 12 45	20° 7'50	7♉22	7°15	21°51	25°28	22°52	20°35	25°44	3° 8	16°57	16°56	16°51	28°40	n.a.	S 12
M13	9 16 42	21° 7'33	19°12	8°41	23° 4	25°21	22°58	20°42	25°42	3° 6	16°58	16°46	16°48	28°47	n.a.	M13
T 14	9 20 38	22° 7'13	1♒ 2	10° 3	24°18	25°12	23° 3	20°50	25°40	3° 5	16°59	16°33	16°45	28°53	n.a.	T 14
W15	9 24 35	23° 6'51	12°56	11°19	25°31	25° 3	23° 8	20°57	25°38	3° 3	17° 0	16°19	16°41	29° 0	n.a.	W15
T 16	9 28 31	24° 6'27	24°54	12°28	26°45	24°53	23°13	21° 4	25°36	3° 2	17° 1	16° 5	16°38	29° 7	n.a.	T 16
F 17	9 32 28	25° 6'01	6♓57	13°31	27°58	24°42	23°18	21°11	25°34	3° 0	17° 2	15°51	16°35	29°14	n.a.	F 17
S 18	9 36 24	26° 5'33	19° 7	14°27	29°12	24°31	23°22	21°18	25°32	2°59	17° 3	15°39	16°32	29°20	n.a.	S 18
S 19	9 40 21	27° 5'02	1♈25	15°15	0♒25	24°19	23°27	21°26	25°30	2°57	17° 4	15°29	16°29	29°27	n.a.	S 19
M20	9 44 18	28° 4'30	13°52	15°57	1°39	24° 6	23°31	21°33	25°28	2°56	17° 5	15°23	16°25	29°34	n.a.	M20
T 21	9 48 14	29° 3'54	26°31	16°30	2°52	23°52	23°35	21°40	25°26	2°54	17° 6	15°19	16°22	29°40	n.a.	T 21
W22	9 52 11	0♓ 3'17	9♉24	16°56	4° 6	23°38	23°39	21°48	25°24	2°53	17° 7	15°18	16°19	29°47	n.a.	W22
T 23	9 56 7	1° 2'37	22°34	17°14	5°19	23°23	23°43	21°55	25°21	2°51	17° 8	15°D18	16°16	29°54	n.a.	T 23
F 24	10 0 4	2° 1'55	6♊ 5	17°24	6°33	23° 7	23°47	22° 2	25°19	2°50	17° 9	15°R18	16°13	0♒ 1	n.a.	F 24
S 25	10 4 0	3° 1'10	19°58	17°R26	7°46	22°50	23°50	22°10	25°17	2°48	17°10	15°17	16°10	0° 7	n.a.	S 25
S 26	10 7 57	4° 0'23	4♋15	17°21	9° 0	22°33	23°53	22°17	25°15	2°47	17°10	15°14	16° 6	0°14	n.a.	S 26
M27	10 11 53	4°59'33	18°53	17° 9	10°13	22°16	23°56	22°25	25°12	2°46	17°11	15° 8	16° 3	0°21	n.a.	M27
T 28	10 15 50	5♓58'41	3♌49	16♓50	11♒27	21♍58	23♏59	22♓32	25♍10	2♌44	17♐12	15♉ 0	16♉ 0	0♒27	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s11	22n34	4n58	16s47	1s 8	23s22	0n 5	4n46	3n27	17s36	0n50	6s24	2s20	2n17	0n45	20n10	0n34	21s27	1n36	17n21	17n14	25s39		n.a.
T 2	17 55	17 42	4 57	16 3	1 0	23 20	0 2	4 46	3 28	17 38	0 50	6 22	2 20	2 17	0 45	20 10	0 34	21 28	1 36	17 17	17 13	25 38		n.a.
F 3	17 38	11 50	4 36	15 17	0 50	23 17	0s 1	4 47	3 29	17 39	0 50	6 19	2 20	2 18	0 45	20 11	0 34	21 28	1 36	17 15	17 12	25 37		n.a.
S 4	17 21	5 26	3 57	14 31	0 41	23 14	0 4	4 49	3 30	17 41	0 50	6 16	2 20	2 18	0 45	20 11	0 34	21 28	1 36	17 12	17 11	25 36		n.a.
S 5	17 4	1s 1	3 4	13 43	0 30	23 10	0 6	4 50	3 31	17 43	0 50	6 13	2 19	2 19	0 45	20 12	0 34	21 28	1 36	17 10	17 10	25 35		n.a.
M 6	16 47	7 13	2 3	12 55	0 19	23 5	0 9	4 52	3 32	17 44	0 50	6 11	2 19	2 20	0 45	20 12	0 34	21 28	1 36	17 10	17 10	25 34		n.a.
T 7	16 29	12 53	0 57	12 6	0 8	22 59	0 12	4 54	3 33	17 46	0 51	6 8	2 19	2 21	0 45	20 12	0 34	21 28	1 36	17 9	17 9	25 33		n.a.
W 8	16 11	17 51	0s10	11 17	0n 4	22 53	0 15	4 56	3 34	17 48	0 51	6 5	2 19	2 21	0 45	20 13	0 34	21 29	1 36	17 9	17 8	25 32		n.a.
T 9	15 53	21 54	1 15	10 28	0 17	22 46	0 18	4 59	3 35	17 49	0 51	6 2	2 19	2 22	0 45	20 13	0 34	21 29	1 36	17 9	17 7	25 31		n.a.
F 10	15 34	24 55	2 15	9 39	0 30	22 38	0 20	5 2	3 36	17 51	0 51	5 59	2 19	2 23	0 45	20 14	0 34	21 29	1 36	17 9	17 6	25 29		n.a.
S 11	15 16	26 46	3 8	8 52	0 43	22 30	0 23	5 5	3 37	17 52	0 51	5 56	2 19	2 24	0 45	20 14	0 34	21 29	1 36	17 7	17 5	25 28		n.a.
S 12	14 57	27 22	3 52	8 5	0 57	22 21	0 26	5 8	3 37	17 53	0 51	5 53	2 19	2 24	0 45	20 14	0 34	21 29	1 36	17 5	17 4	25 27		n.a.
M13	14 38	26 43	4 26	7 19	1 10	22 12	0 28	5 12	3 38	17 55	0 51	5 51	2 19	2 25	0 45	20 15	0 34	21 30	1 36	17 3	17 3	25 26		n.a.
T 14	14 18	24 51	4 49	6 36	1 24	22 1	0 31	5 16	3 39	17 56	0 51	5 48	2 18	2 26	0 45	20 15	0 34	21 30	1 35	16 59	17 2	25 25		n.a.
W15	13 58	21 54	4 59	5 54	1 37	21 50	0 34	5 20	3 40	17 57	0 51	5 45	2 18	2 27	0 45	20 15	0 34	21 30	1 35	16 55	17 1	25 24		n.a.
T 16	13 39	18 1	4 56	5 15	1 51	21 39	0 36	5 25	3 40	17 58	0 51	5 42	2 18	2 28	0 45	20 16	0 34	21 30	1 35	16 51	17 0	25 22		n.a.
F 17	13 18	13 23	4 40	4 39	2 4	21 27	0 39	5 30	3 41	18 0	0 51	5 39	2 18	2 28	0 45	20 16	0 34	21 30	1 35	16 47	16 59	25 21		n.a.
S 18	12 58	8 11	4 11	4 5	2 17	21 14	0 41	5 35	3 41	18 1	0 51	5 36	2 18	2 29	0 45	20 17	0 34	21 30	1 35	16 43	16 59	25 20		n.a.
S 19	12 38	2 38	3 30	3 35	2 29	21 0	0 43	5 40	3 41	18 2	0 51	5 33	2 18	2 30	0 45	20 17	0 34	21 30	1 35	16 40	16 58	25 19		n.a.
M20	12 17	3n 7	2 38	3 9	2 41	20 46	0 46	5 46	3 42	18 3	0 51	5 30	2 18	2 31	0 46	20 17	0 34	21 31	1 35	16 38	16 57	25 18		n.a.
T 21	11 56	8 50	1 38	2 45	2 52	20 32	0 48	5 51	3 42	18 4	0 51	5 27	2 18	2 32	0 46	20 18	0 34	21 31	1 35	16 37	16 56	25 16		n.a.
W22	11 35	14 18	0 31	2 26	3 2	20 16	0 50	5 57	3 42	18 5	0 51	5 24	2 18	2 33	0 46	20 18	0 34	21 31	1 35	16 37	16 55	25 15		n.a.
T 23	11 14	19 15	0n38	2 11	3 10	20 1	0 52	6 3	3 42	18 6	0 51	5 21	2 18	2 34	0 46	20 18	0 34	21 31	1 35	16 37	16 54	25 14		n.a.
F 24	10 53	23 21	1 48	2 0	3 18	19 44	0 55	6 10	3 42	18 6	0 51	5 18	2 18	2 35	0 46	20 19	0 34	21 31	1 35	16 37	16 53	25 13		n.a.
S 25	10 31	26 13	2 53	1 53	3 25	19 27	0 57	6 16	3 42	18 7	0 52	5 15	2 18	2 36	0 46	20 19	0 34	21 31	1 35	16 37	16 52	25 11		n.a.
S 26	10 9	27 28	3 49	1 50	3 30	19 10	0 59	6 23	3 42	18 8	0 52	5 12	2 18	2 37	0 46	20 19	0 34	21 31	1 35	16 36	16 51	25 10		n.a.
M27	9 48	26 51	4 31	1 52	3 33	18 52	1 1	6 30	3 42	18 9	0 52	5 9	2 17	2 37	0 46	20 20	0 34	21 31	1 35	16 34	16 50	25 9		n.a.
T 28	9s26	24n19	4n56	1s57	3n35	18s33	1s 3	6n37	3n42	18s 9	0n52	5s 6	2s17	2n38	0n46	20n20	0n34	21s32	1n35	16n32	16n49	25s 8		n.a.

Julian Day Number = 1644021.5, Delta T = 03h34m46s
Ecliptic obliquity = 23°43'21, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'41, Lahiri = - 6°52'40 Julian Calendar 1 Feb. 212 BCE == Greg. Calendar 28 Jan. 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

MARCH 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 19 47	6♓57'47	18♌54	16°R24	12♒40	21°R39	24♏ 2	22♓40	25°R 7	2°R43	17♐12	14°R50	15♉57	0♒34	n.a.	W 1
T 2	10 23 43	7°56'50	3♍59	15♓54	13°54	21♍20	24° 4	22°47	25♍ 5	2♌42	17°13	14♉40	15°54	0°41	n.a.	T 2
F 3	10 27 40	8°55'51	18°54	15°18	15° 7	21° 0	24° 7	22°55	25° 3	2°40	17°14	14°31	15°51	0°48	n.a.	F 3
S 4	10 31 36	9°54'50	3♎30	14°38	16°21	20°40	24° 9	23° 3	25° 0	2°39	17°14	14°23	15°47	0°54	n.a.	S 4
S 5	10 35 33	10°53'47	17°40	13°54	17°34	20°19	24°11	23°10	24°58	2°38	17°15	14°18	15°44	1° 1	n.a.	S 5
M 6	10 39 29	11°52'42	1♏23	13° 9	18°48	19°58	24°13	23°18	24°55	2°37	17°15	14°15	15°41	1° 8	n.a.	M 6
T 7	10 43 26	12°51'35	14°37	12°21	20° 2	19°36	24°14	23°25	24°53	2°35	17°16	14°D14	15°38	1°14	n.a.	T 7
W 8	10 47 22	13°50'27	27°26	11°34	21°15	19°15	24°16	23°33	24°50	2°34	17°16	14°15	15°35	1°21	n.a.	W 8
T 9	10 51 19	14°49'16	9♐53	10°47	22°29	18°53	24°17	23°41	24°48	2°33	17°17	14°R15	15°31	1°28	n.a.	T 9
F 10	10 55 16	15°48'04	22° 3	10° 1	23°42	18°30	24°18	23°48	24°45	2°32	17°17	14°15	15°28	1°35	n.a.	F 10
S 11	10 59 12	16°46'50	4♑ 2	9°17	24°56	18° 8	24°19	23°56	24°43	2°31	17°18	14°14	15°25	1°41	n.a.	S 11
S 12	11 3 9	17°45'34	15°55	8°35	26° 9	17°45	24°20	24° 4	24°40	2°30	17°18	14°10	15°22	1°48	n.a.	S 12
M13	11 7 5	18°44'17	27°45	7°58	27°23	17°23	24°20	24°12	24°38	2°29	17°18	14° 3	15°19	1°55	n.a.	M13
T 14	11 11 2	19°42'57	9♒37	7°24	28°36	17° 0	24°20	24°19	24°35	2°28	17°19	13°55	15°16	2° 2	n.a.	T 14
W15	11 14 58	20°41'36	21°34	6°55	29°50	16°37	24°R20	24°27	24°33	2°27	17°19	13°46	15°12	2° 8	n.a.	W15
T 16	11 18 55	21°40'12	3♓39	6°30	1♓ 3	16°14	24°20	24°35	24°30	2°26	17°19	13°36	15° 9	2°15	n.a.	T 16
F 17	11 22 51	22°38'47	15°52	6°10	2°17	15°52	24°20	24°42	24°27	2°25	17°19	13°26	15° 6	2°22	n.a.	F 17
S 18	11 26 48	23°37'19	28°14	5°55	3°30	15°29	24°20	24°50	24°25	2°24	17°19	13°18	15° 3	2°28	n.a.	S 18
S 19	11 30 44	24°35'50	10♈47	5°46	4°44	15° 7	24°19	24°58	24°22	2°23	17°20	13°11	15° 0	2°35	n.a.	S 19
M20	11 34 41	25°34'18	23°31	5°D41	5°57	14°45	24°18	25° 6	24°20	2°22	17°20	13° 7	14°56	2°42	n.a.	M20
T 21	11 38 38	26°32'44	6♉26	5°42	7°11	14°23	24°17	25°13	24°17	2°21	17°20	13° 5	14°53	2°49	n.a.	T 21
W22	11 42 34	27°31'09	19°34	5°48	8°24	14° 1	24°16	25°21	24°15	2°20	17°20	13°D 5	14°50	2°55	n.a.	W22
T 23	11 46 31	28°29'31	2♊55	5°58	9°38	13°40	24°15	25°29	24°12	2°19	17°R20	13° 6	14°47	3° 2	n.a.	T 23
F 24	11 50 27	29°27'51	16°32	6°14	10°51	13°19	24°13	25°37	24°10	2°19	17°20	13° 8	14°44	3° 9	n.a.	F 24
S 25	11 54 24	0♈26'09	0♋23	6°34	12° 5	12°59	24°11	25°44	24° 7	2°18	17°20	13°R 8	14°41	3°15	n.a.	S 25
S 26	11 58 20	1°24'24	14°31	6°58	13°18	12°39	24° 9	25°52	24° 4	2°17	17°20	13° 7	14°37	3°22	n.a.	S 26
M27	12 2 17	2°22'38	28°53	7°27	14°32	12°19	24° 7	26° 0	24° 2	2°17	17°20	13° 5	14°34	3°29	n.a.	M27
T 28	12 6 13	3°20'49	13♌27	8° 0	15°45	12° 1	24° 5	26° 7	23°59	2°16	17°19	13° 1	14°31	3°36	n.a.	T 28
W29	12 10 10	4°18'58	28° 7	8°37	16°59	11°42	24° 2	26°15	23°57	2°15	17°19	12°55	14°28	3°42	n.a.	W29
T 30	12 14 7	5°17'05	12♍47	9°18	18°12	11°25	24° 0	26°23	23°54	2°15	17°19	12°50	14°25	3°49	n.a.	T 30
F 31	12 18 3	6♈15'10	27♍21	10♓ 3	19♓26	11♍ 7	23♏57	26♓31	23♍52	2♌14	17♐19	12♉44	14♉22	3♒56	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	9s 3	20n 6	5n 1	2s 7	3n36	18s14	1s 4	6n44	3n42	18s10	0n52	5s 3	2s17	2n39	0n46	20n20	0n34	21s32	1n35	16n29	16n48	25s 6			n.a.
T 2	8 41	14 35	4 45	2 20	3 35	17 54	1 6	6 51	3 41	18 11	0 52	5 0	2 17	2 40	0 46	20 21	0 34	21 32	1 35	16 26	16 47	25 5			n.a.
F 3	8 19	8 16	4 10	2 37	3 32	17 34	1 8	6 59	3 41	18 11	0 52	4 56	2 17	2 41	0 46	20 21	0 34	21 32	1 35	16 23	16 47	25 4			n.a.
S 4	7 57	1 38	3 19	2 57	3 27	17 14	1 10	7 6	3 40	18 12	0 52	4 53	2 17	2 42	0 46	20 21	0 34	21 32	1 35	16 21	16 46	25 2			n.a.
S 5	7 34	4s55	2 16	3 20	3 20	16 53	1 11	7 14	3 39	18 12	0 52	4 50	2 17	2 43	0 46	20 21	0 34	21 32	1 35	16 19	16 45	25 1			n.a.
M 6	7 11	11 2	1 8	3 45	3 12	16 31	1 13	7 22	3 38	18 12	0 52	4 47	2 17	2 44	0 46	20 22	0 34	21 32	1 34	16 18	16 44	25 0			n.a.
T 7	6 49	16 27	0s 2	4 12	3 3	16 9	1 14	7 29	3 37	18 13	0 52	4 44	2 17	2 45	0 46	20 22	0 34	21 32	1 34	16 18	16 43	24 58			n.a.
W 8	6 26	20 57	1 10	4 40	2 52	15 47	1 16	7 37	3 36	18 13	0 52	4 41	2 17	2 46	0 46	20 22	0 34	21 32	1 34	16 18	16 42	24 57			n.a.
T 9	6 3	24 23	2 13	5 9	2 40	15 24	1 17	7 45	3 35	18 13	0 52	4 38	2 17	2 47	0 46	20 23	0 34	21 32	1 34	16 18	16 41	24 56			n.a.
F 10	5 40	26 36	3 8	5 39	2 26	15 1	1 18	7 52	3 34	18 14	0 52	4 35	2 17	2 48	0 46	20 23	0 34	21 33	1 34	16 18	16 40	24 54			n.a.
S 11	5 17	27 33	3 54	6 9	2 12	14 37	1 20	8 0	3 33	18 14	0 52	4 32	2 17	2 49	0 46	20 23	0 34	21 33	1 34	16 18	16 39	24 53			n.a.
S 12	4 54	27 13	4 29	6 38	1 57	14 13	1 21	8 8	3 31	18 14	0 52	4 29	2 17	2 50	0 46	20 23	0 34	21 33	1 34	16 17	16 38	24 52			n.a.
M13	4 30	25 38	4 53	7 7	1 42	13 48	1 22	8 16	3 30	18 14	0 52	4 25	2 17	2 51	0 46	20 24	0 34	21 33	1 34	16 15	16 37	24 50			n.a.
T 14	4 7	22 56	5 4	7 34	1 26	13 23	1 23	8 23	3 28	18 14	0 52	4 22	2 17	2 52	0 46	20 24	0 34	21 33	1 34	16 12	16 36	24 49			n.a.
W15	3 44	19 14	5 2	8 0	1 10	12 58	1 24	8 31	3 27	18 14	0 52	4 19	2 17	2 53	0 46	20 24	0 34	21 33	1 34	16 9	16 35	24 48			n.a.
T 16	3 20	14 44	4 47	8 24	0 54	12 33	1 25	8 38	3 25	18 14	0 53	4 16	2 17	2 54	0 46	20 24	0 34	21 33	1 34	16 6	16 34	24 46			n.a.
F 17	2 57	9 36	4 18	8 46	0 38	12 7	1 26	8 45	3 23	18 14	0 53	4 13	2 17	2 55	0 46	20 24	0 34	21 33	1 34	16 3	16 33	24 45			n.a.
S 18	2 34	4 1	3 37	9 6	0 22	11 41	1 26	8 52	3 21	18 14	0 53	4 10	2 17	2 57	0 46	20 25	0 34	21 33	1 34	16 1	16 33	24 43			n.a.
S 19	2 10	1n48	2 45	9 24	0 7	11 14	1 27	8 59	3 19	18 13	0 53	4 7	2 17	2 58	0 46	20 25	0 34	21 33	1 34	15 59	16 32	24 42			n.a.
M20	1 47	7 38	1 43	9 40	0s 8	10 47	1 28	9 6	3 17	18 13	0 53	4 4	2 17	2 59	0 46	20 25	0 34	21 33	1 34	15 58	16 31	24 41			n.a.
T 21	1 23	13 16	0 36	9 53	0 23	10 20	1 28	9 13	3 15	18 13	0 53	4 1	2 17	3 0	0 46	20 25	0 34	21 33	1 34	15 57	16 30	24 39			n.a.
W22	1 0	18 24	0n35	10 4	0 37	9 53	1 29	9 19	3 13	18 13	0 53	3 58	2 17	3 1	0 46	20 25	0 34	21 33	1 34	15 57	16 29	24 38			n.a.
T 23	0 36	22 43	1 45	10 12	0 50	9 25	1 29	9 25	3 10	18 12	0 53	3 54	2 17	3 2	0 46	20 26	0 34	21 33	1 34	15 57	16 28	24 36			n.a.
F 24	0 13	25 52	2 51	10 18	1 3	8 58	1 30	9 31	3 8	18 12	0 53	3 51	2 17	3 3	0 46	20 26	0 34	21 34	1 34	15 58	16 27	24 35			n.a.
S 25	0n11	27 31	3 48	10 22	1 15	8 29	1 30	9 37	3 6	18 11	0 53	3 48	2 17	3 4	0 46	20 26	0 34	21 34	1 34	15 58	16 26	24 33			n.a.
S 26	0 34	27 26	4 32	10 23	1 26	8 1	1 30	9 42	3 3	18 11	0 53	3 45	2 17	3 5	0 46	20 26	0 34	21 34	1 33	15 58	16 25	24 32			n.a.
M27	0 57	25 31	5 0	10 22	1 37	7 33	1 30	9 47	3 1	18 10	0 53	3 42	2 17	3 6	0 46	20 26	0 34	21 34	1 33	15 57	16 24	24 31			n.a.
T 28	1 21	21 55	5 10	10 19	1 47	7 4	1 30	9 52	2 58	18 10	0 53	3 39	2 17	3 7	0 46	20 26	0 34	21 34	1 33	15 56	16 23	24 29			n.a.
W29	1 44	16 56	4 59	10 13	1 56	6 35	1 30	9 57	2 55	18 9	0 53	3 36	2 17	3 8	0 46	20 27	0 34	21 34	1 33	15 54	16 22	24 28			n.a.
T 30	2 7	10 58	4 29	10 5	2 4	6 6	1 30	10 1	2 53	18 8	0 53	3 33	2 17	3 9	0 46	20 27	0 34	21 34	1 33	15 52	16 21	24 26			n.a.
F 31	2n31	4n27	3n41	9s56	2s12	5s37	1s30	10n 5	2n50	18s 8	0n53	3s30	2s17	3n10	0n46	20n27	0n34	21s34	1n33	15n51	16n20	24s25			n.a.

Julian Day Number = 1644049.5, Delta T = 03h34m45s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'37, Lahiri = - 6°52'37 Julian Calendar 1 March 212 BCE == Greg. Calendar 25 Feb. 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

APRIL 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 22 0	7♈13'13	11♎40	10♓51	20♓39	10°R51	23°R54	26♓38	23°R49	2°R14	17°R19	12°R40	14♉18	4♒ 2	n.a.	S 1
S 2	12 25 56	8°11'15	25°40	11°42	21°53	10♍35	23♏51	26°46	23♍47	2♌13	17♐18	12♉37	14°15	4° 9	n.a.	S 2
M 3	12 29 53	9° 9'14	9♏17	12°37	23° 6	10°20	23°47	26°53	23°44	2°13	17°18	12°D36	14°12	4°16	n.a.	M 3
T 4	12 33 49	10° 7'13	22°31	13°34	24°20	10° 6	23°44	27° 1	23°42	2°12	17°18	12°37	14° 9	4°23	n.a.	T 4
W 5	12 37 46	11° 5'10	5♐22	14°35	25°33	9°52	23°40	27° 9	23°40	2°12	17°17	12°38	14° 6	4°29	n.a.	W 5
T 6	12 41 42	12° 3'05	17°52	15°39	26°47	9°39	23°36	27°16	23°37	2°12	17°17	12°40	14° 2	4°36	n.a.	T 6
F 7	12 45 39	13° 0'59	0♑ 6	16°45	28° 0	9°27	23°32	27°24	23°35	2°11	17°17	12°41	13°59	4°43	n.a.	F 7
S 8	12 49 36	13°58'52	12° 9	17°54	29°14	9°15	23°28	27°31	23°33	2°11	17°16	12°R42	13°56	4°50	n.a.	S 8
S 9	12 53 32	14°56'43	24° 3	19° 6	0♈27	9° 5	23°24	27°39	23°30	2°11	17°16	12°41	13°53	4°56	n.a.	S 9
M10	12 57 29	15°54'33	5♒56	20°20	1°41	8°55	23°19	27°46	23°28	2°10	17°15	12°40	13°50	5° 3	n.a.	M10
T 11	13 1 25	16°52'21	17°50	21°37	2°54	8°46	23°14	27°54	23°26	2°10	17°15	12°37	13°47	5°10	n.a.	T 11
W12	13 5 22	17°50'09	29°51	22°56	4° 8	8°38	23° 9	28° 1	23°23	2°10	17°14	12°34	13°43	5°16	n.a.	W12
T 13	13 9 18	18°47'54	12♓ 0	24°18	5°21	8°30	23° 4	28° 9	23°21	2°10	17°13	12°30	13°40	5°23	n.a.	T 13
F 14	13 13 15	19°45'39	24°22	25°42	6°35	8°23	22°59	28°16	23°19	2°10	17°13	12°26	13°37	5°30	n.a.	F 14
S 15	13 17 11	20°43'22	6♈57	27° 8	7°48	8°18	22°54	28°24	23°17	2°10	17°12	12°23	13°34	5°37	n.a.	S 15
S 16	13 21 8	21°41'04	19°47	28°36	9° 2	8°13	22°49	28°31	23°14	2°10	17°12	12°21	13°31	5°43	n.a.	S 16
M17	13 25 4	22°38'44	2♉51	0♈ 7	10°15	8° 8	22°43	28°38	23°12	2°D10	17°11	12°19	13°27	5°50	n.a.	M17
T 18	13 29 1	23°36'23	16° 8	1°40	11°29	8° 5	22°37	28°46	23°10	2°10	17°10	12°D19	13°24	5°57	n.a.	T 18
W19	13 32 58	24°34'00	29°39	3°15	12°42	8° 2	22°32	28°53	23° 8	2°10	17° 9	12°20	13°21	6° 3	n.a.	W19
T 20	13 36 54	25°31'36	13♊22	4°52	13°56	8° 1	22°26	29° 0	23° 6	2°10	17° 9	12°21	13°18	6°10	n.a.	T 20
F 21	13 40 51	26°29'11	27°15	6°32	15° 9	8° 0	22°19	29° 7	23° 4	2°10	17° 8	12°22	13°15	6°17	n.a.	F 21
S 22	13 44 47	27°26'44	11♋18	8°14	16°23	7°D59	22°13	29°14	23° 2	2°10	17° 7	12°23	13°12	6°24	n.a.	S 22
S 23	13 48 44	28°24'15	25°27	9°58	17°36	8° 0	22° 7	29°21	23° 0	2°10	17° 6	12°R23	13° 8	6°30	n.a.	S 23
M24	13 52 40	29°21'45	9♌42	11°44	18°50	8° 1	22° 1	29°29	22°58	2°11	17° 5	12°23	13° 5	6°37	n.a.	M24
T 25	13 56 37	0♉19'14	23°59	13°32	20° 3	8° 4	21°54	29°36	22°56	2°11	17° 4	12°23	13° 2	6°44	n.a.	T 25
W26	14 0 34	1°16'40	8♍16	15°23	21°17	8° 7	21°47	29°43	22°55	2°11	17° 4	12°21	12°59	6°51	n.a.	W26
T 27	14 4 30	2°14'06	22°29	17°15	22°30	8°10	21°41	29°50	22°53	2°11	17° 3	12°20	12°56	6°57	n.a.	T 27
F 28	14 8 27	3°11'30	6♎34	19°10	23°44	8°15	21°34	29°57	22°51	2°12	17° 2	12°19	12°53	7° 4	n.a.	F 28
S 29	14 12 23	4° 8'52	20°27	21° 7	24°57	8°20	21°27	0♈ 3	22°49	2°12	17° 1	12°18	12°49	7°11	n.a.	S 29
S 30	14 16 20	5♉ 6'14	4♏ 6	23♈ 6	26♈11	8♍26	21♏20	0♈10	22♍48	2♌13	17♐ 0	12♉18	12♉46	7♒17	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n54	2s13	2n40	9s44	2s19	5s 7	1s30	10n 9	2n47	18s 7	0n53	3s27	2s17	3n11	0n46	20n27	0n34	21s34	1n33	15n49	16n19	24s23		n.a.
S 2	3 17	8 37	1 31	9 30	2 25	4 38	1 30	10 13	2 44	18 6	0 53	3 24	2 17	3 12	0 46	20 27	0 34	21 34	1 33	15 49	16 18	24 22		n.a.
M 3	3 40	14 28	0 18	9 14	2 31	4 8	1 29	10 16	2 41	18 5	0 53	3 21	2 17	3 13	0 46	20 27	0 34	21 34	1 33	15 48	16 17	24 20		n.a.
T 4	4 3	19 29	0s54	8 56	2 36	3 38	1 29	10 19	2 39	18 4	0 53	3 18	2 18	3 14	0 46	20 27	0 34	21 34	1 33	15 48	16 16	24 19		n.a.
W 5	4 26	23 26	2 1	8 36	2 40	3 8	1 29	10 21	2 36	18 3	0 53	3 15	2 18	3 14	0 46	20 27	0 34	21 34	1 33	15 49	16 15	24 17		n.a.
T 6	4 49	26 10	3 1	8 14	2 44	2 38	1 28	10 24	2 33	18 2	0 53	3 12	2 18	3 15	0 46	20 27	0 34	21 34	1 33	15 49	16 14	24 16		n.a.
F 7	5 12	27 34	3 51	7 51	2 47	2 8	1 28	10 26	2 30	18 1	0 53	3 9	2 18	3 16	0 45	20 27	0 34	21 34	1 33	15 50	16 13	24 14		n.a.
S 8	5 35	27 38	4 30	7 25	2 49	1 38	1 27	10 27	2 27	18 0	0 53	3 6	2 18	3 17	0 45	20 27	0 34	21 34	1 33	15 50	16 13	24 12		n.a.
S 9	5 57	26 25	4 57	6 58	2 51	1 8	1 26	10 29	2 24	17 59	0 53	3 3	2 18	3 18	0 45	20 28	0 34	21 34	1 33	15 50	16 12	24 11		n.a.
M10	6 20	24 1	5 11	6 30	2 52	0 38	1 25	10 30	2 21	17 58	0 53	3 0	2 18	3 19	0 45	20 28	0 34	21 34	1 33	15 49	16 11	24 9		n.a.
T 11	6 42	20 36	5 12	5 59	2 52	0 7	1 25	10 30	2 18	17 57	0 53	2 57	2 18	3 20	0 45	20 28	0 34	21 34	1 33	15 48	16 10	24 8		n.a.
W12	7 5	16 19	4 59	5 27	2 52	0n23	1 24	10 31	2 15	17 56	0 53	2 54	2 18	3 21	0 45	20 28	0 34	21 34	1 33	15 47	16 9	24 6		n.a.
T 13	7 27	11 20	4 33	4 54	2 51	0 53	1 23	10 31	2 12	17 54	0 53	2 51	2 18	3 22	0 45	20 28	0 34	21 34	1 33	15 46	16 8	24 5		n.a.
F 14	7 49	5 50	3 54	4 19	2 49	1 23	1 22	10 31	2 9	17 53	0 53	2 48	2 18	3 23	0 45	20 28	0 34	21 34	1 32	15 45	16 7	24 3		n.a.
S 15	8 11	0n 0	3 2	3 42	2 47	1 54	1 21	10 30	2 6	17 52	0 53	2 45	2 18	3 23	0 45	20 28	0 34	21 34	1 32	15 44	16 6	24 1		n.a.
S 16	8 33	5 58	2 1	3 4	2 44	2 24	1 20	10 29	2 3	17 50	0 53	2 43	2 18	3 24	0 45	20 28	0 34	21 34	1 32	15 43	16 5	24 0		n.a.
M17	8 55	11 47	0 52	2 24	2 41	2 54	1 19	10 28	2 0	17 49	0 53	2 40	2 19	3 25	0 45	20 28	0 34	21 34	1 32	15 43	16 4	23 58		n.a.
T 18	9 16	17 12	0n21	1 43	2 37	3 24	1 17	10 27	1 57	17 48	0 53	2 37	2 19	3 26	0 45	20 28	0 34	21 34	1 32	15 43	16 3	23 57		n.a.
W19	9 38	21 51	1 34	1 1	2 32	3 55	1 16	10 25	1 54	17 46	0 53	2 34	2 19	3 27	0 45	20 28	0 34	21 34	1 32	15 43	16 2	23 55		n.a.
T 20	9 59	25 22	2 43	0 17	2 27	4 25	1 15	10 23	1 51	17 45	0 53	2 31	2 19	3 28	0 45	20 28	0 34	21 34	1 32	15 43	16 1	23 53		n.a.
F 21	10 20	27 25	3 43	0n28	2 22	4 55	1 13	10 21	1 49	17 43	0 53	2 28	2 19	3 28	0 45	20 28	0 34	21 34	1 32	15 44	16 0	23 52		n.a.
S 22	10 41	27 44	4 31	1 14	2 15	5 25	1 12	10 18	1 46	17 41	0 53	2 26	2 19	3 29	0 45	20 28	0 34	21 34	1 32	15 44	15 59	23 50		n.a.
S 23	11 2	26 15	5 2	2 1	2 9	5 54	1 10	10 15	1 43	17 40	0 53	2 23	2 19	3 30	0 45	20 28	0 34	21 34	1 32	15 44	15 58	23 48		n.a.
M24	11 23	23 5	5 15	2 50	2 2	6 24	1 9	10 12	1 40	17 38	0 53	2 20	2 19	3 31	0 45	20 27	0 34	21 34	1 32	15 44	15 57	23 47		n.a.
T 25	11 43	18 32	5 9	3 39	1 54	6 53	1 7	10 9	1 37	17 37	0 53	2 17	2 19	3 31	0 45	20 27	0 34	21 34	1 32	15 44	15 56	23 45		n.a.
W26	12 3	12 57	4 44	4 30	1 46	7 23	1 6	10 5	1 34	17 35	0 53	2 15	2 20	3 32	0 45	20 27	0 34	21 34	1 32	15 44	15 55	23 43		n.a.
T 27	12 23	6 43	4 2	5 22	1 37	7 52	1 4	10 1	1 32	17 33	0 53	2 12	2 20	3 33	0 45	20 27	0 34	21 34	1 32	15 43	15 54	23 42		n.a.
F 28	12 43	0 12	3 5	6 14	1 28	8 21	1 2	9 57	1 29	17 32	0 52	2 9	2 20	3 33	0 45	20 27	0 34	21 34	1 32	15 43	15 53	23 40		n.a.
S 29	13 3	6s16	1 58	7 7	1 19	8 50	1 1	9 52	1 26	17 30	0 52	2 7	2 20	3 34	0 45	20 27	0 34	21 34	1 32	15 43	15 52	23 38		n.a.
S 30	13n23	12s19	0n45	8n 1	1s 9	9n19	0s59	9n48	1n24	17s28	0n52	2s 4	2s20	3n35	0n45	20n27	0n34	21s34	1n31	15n43	15n51	23s37		n.a.

Julian Day Number = 1644080.5, Delta T = 03h34m44s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'33, Lahiri = - 6°52'32 Julian Calendar 1 Apr. 212 BCE == Greg. Calendar 28 March 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

MAY 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 20 16	6♉ 3'35	17♏27	25♈ 7	27♈24	8♍32	21°R13	0♈17	22°R46	2♌13	16°R59	12°D18	12♉43	7♒24	n.a.	M 1
T 2	14 24 13	7° 0'55	0♐31	27°10	28°38	8°40	21♏ 6	0°24	22♍44	2°14	16♐58	12♉18	12°40	7°31	n.a.	T 2
W 3	14 28 9	7°58'14	13°16	29°14	29°51	8°47	20°59	0°31	22°43	2°14	16°57	12°18	12°37	7°38	n.a.	W 3
T 4	14 32 6	8°55'32	25°45	1♉20	1♉ 5	8°56	20°51	0°37	22°41	2°15	16°56	12°19	12°33	7°44	n.a.	T 4
F 5	14 36 3	9°52'49	8♑ 0	3°28	2°18	9° 5	20°44	0°44	22°40	2°15	16°54	12°19	12°30	7°51	n.a.	F 5
S 6	14 39 59	10°50'06	20° 3	5°37	3°32	9°15	20°37	0°50	22°38	2°16	16°53	12°19	12°27	7°58	n.a.	S 6
S 7	14 43 56	11°47'23	1♒59	7°47	4°45	9°26	20°29	0°57	22°37	2°16	16°52	12°19	12°24	8° 5	n.a.	S 7
M 8	14 47 52	12°44'38	13°53	9°58	5°59	9°37	20°22	1° 3	22°36	2°17	16°51	12°19	12°21	8°11	n.a.	M 8
T 9	14 51 49	13°41'53	25°48	12° 9	7°12	9°49	20°14	1°10	22°34	2°18	16°50	12°19	12°18	8°18	n.a.	T 9
W10	14 55 45	14°39'08	7♓50	14°21	8°26	10° 1	20° 7	1°16	22°33	2°19	16°49	12°20	12°14	8°25	n.a.	W10
T 11	14 59 42	15°36'22	20° 2	16°33	9°39	10°15	19°59	1°22	22°32	2°19	16°48	12°20	12°11	8°31	n.a.	T 11
F 12	15 3 38	16°33'36	2♈29	18°44	10°53	10°28	19°51	1°29	22°31	2°20	16°46	12°20	12° 8	8°38	n.a.	F 12
S 13	15 7 35	17°30'49	15°12	20°55	12° 7	10°42	19°44	1°35	22°30	2°21	16°45	12°21	12° 5	8°45	n.a.	S 13
S 14	15 11 32	18°28'02	28°15	23° 5	13°20	10°57	19°36	1°41	22°29	2°22	16°44	12°21	12° 2	8°52	n.a.	S 14
M15	15 15 28	19°25'14	11♉37	25°15	14°34	11°13	19°28	1°47	22°28	2°23	16°43	12°R21	11°59	8°58	n.a.	M15
T 16	15 19 25	20°22'26	25°18	27°23	15°47	11°29	19°21	1°53	22°27	2°24	16°41	12°21	11°55	9° 5	n.a.	T 16
W17	15 23 21	21°19'37	9♊15	29°30	17° 1	11°45	19°13	1°59	22°26	2°25	16°40	12°20	11°52	9°12	n.a.	W17
T 18	15 27 18	22°16'48	23°25	1♊35	18°15	12° 2	19° 5	2° 5	22°25	2°26	16°39	12°20	11°49	9°18	n.a.	T 18
F 19	15 31 14	23°13'58	7♋44	3°38	19°28	12°20	18°58	2°11	22°24	2°27	16°37	12°18	11°46	9°25	n.a.	F 19
S 20	15 35 11	24°11'08	22° 6	5°40	20°42	12°38	18°50	2°17	22°23	2°28	16°36	12°17	11°43	9°32	n.a.	S 20
S 21	15 39 7	25° 8'17	6♌28	7°40	21°55	12°56	18°43	2°22	22°22	2°29	16°35	12°16	11°39	9°39	n.a.	S 21
M22	15 43 4	26° 5'25	20°46	9°37	23° 9	13°15	18°35	2°28	22°22	2°30	16°33	12°D15	11°36	9°45	n.a.	M22
T 23	15 47 1	27° 2'32	4♍57	11°33	24°23	13°35	18°27	2°34	22°21	2°31	16°32	12°16	11°33	9°52	n.a.	T 23
W24	15 50 57	27°59'39	18°59	13°26	25°36	13°55	18°20	2°39	22°20	2°32	16°31	12°16	11°30	9°59	n.a.	W24
T 25	15 54 54	28°56'45	2♎49	15°18	26°50	14°15	18°13	2°45	22°20	2°33	16°29	12°17	11°27	10° 6	n.a.	T 25
F 26	15 58 50	29°53'51	16°29	17° 7	28° 4	14°36	18° 5	2°50	22°19	2°34	16°28	12°19	11°24	10°12	n.a.	F 26
S 27	16 2 47	0♊50'57	29°55	18°54	29°17	14°58	17°58	2°55	22°19	2°36	16°26	12°19	11°20	10°19	n.a.	S 27
S 28	16 6 43	1°48'02	13♏ 9	20°39	0♊31	15°20	17°51	3° 1	22°19	2°37	16°25	12°R20	11°17	10°26	n.a.	S 28
M29	16 10 40	2°45'07	26°10	22°21	1°45	15°42	17°43	3° 6	22°18	2°38	16°24	12°19	11°14	10°32	n.a.	M29
T 30	16 14 36	3°42'12	8♐57	24° 2	2°58	16° 4	17°36	3°11	22°18	2°39	16°22	12°18	11°11	10°39	n.a.	T 30
W31	16 18 33	4♊39'17	21♐31	25♊40	4♊12	16♍27	17♏29	3♈16	22♍18	2♌41	16♐21	12♉15	11♉ 8	10♒46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	13n42	17s42	0s29	8n55	0s59	9n47	0s57	9n43	1n21	17s26	0n52	2s 2	2s20	3n35	0n45	20n27	0n34	21s34	1n31	15n43	15n50	23s35			n.a.
T 2	14 1	22 7	1 39	9 49	0 49	10 15	0 55	9 38	1 18	17 24	0 52	1 59	2 20	3 36	0 45	20 27	0 34	21 34	1 31	15 43	15 49	23 33			n.a.
W 3	14 20	25 22	2 43	10 44	0 39	10 43	0 53	9 32	1 16	17 23	0 52	1 56	2 21	3 37	0 45	20 27	0 34	21 34	1 31	15 43	15 48	23 32			n.a.
T 4	14 38	27 17	3 38	11 38	0 28	11 11	0 51	9 27	1 13	17 21	0 52	1 54	2 21	3 37	0 45	20 26	0 34	21 34	1 31	15 43	15 47	23 30			n.a.
F 5	14 57	27 50	4 22	12 33	0 17	11 39	0 49	9 21	1 11	17 19	0 52	1 51	2 21	3 38	0 45	20 26	0 34	21 34	1 31	15 43	15 46	23 28			n.a.
S 6	15 15	27 2	4 53	13 27	0 7	12 6	0 47	9 15	1 8	17 17	0 52	1 49	2 21	3 38	0 45	20 26	0 34	21 33	1 31	15 43	15 45	23 26			n.a.
S 7	15 33	25 0	5 12	14 20	0n 4	12 33	0 45	9 8	1 6	17 15	0 52	1 46	2 21	3 39	0 45	20 26	0 34	21 33	1 31	15 43	15 44	23 25			n.a.
M 8	15 51	21 54	5 17	15 12	0 15	13 0	0 43	9 2	1 3	17 13	0 52	1 44	2 21	3 39	0 45	20 26	0 34	21 33	1 31	15 43	15 43	23 23			n.a.
T 9	16 8	17 53	5 8	16 4	0 25	13 26	0 41	8 55	1 1	17 11	0 52	1 41	2 22	3 40	0 45	20 26	0 34	21 33	1 31	15 43	15 42	23 21			n.a.
W10	16 25	13 9	4 46	16 53	0 35	13 52	0 39	8 48	0 58	17 9	0 51	1 39	2 22	3 40	0 45	20 26	0 34	21 33	1 31	15 43	15 41	23 19			n.a.
T 11	16 42	7 50	4 11	17 42	0 45	14 18	0 37	8 41	0 56	17 7	0 51	1 37	2 22	3 41	0 45	20 25	0 34	21 33	1 31	15 43	15 40	23 18			n.a.
F 12	16 59	2 6	3 23	18 28	0 54	14 43	0 35	8 33	0 54	17 5	0 51	1 34	2 22	3 41	0 44	20 25	0 34	21 33	1 31	15 43	15 39	23 16			n.a.
S 13	17 15	3n50	2 25	19 13	1 3	15 8	0 32	8 26	0 51	17 3	0 51	1 32	2 22	3 42	0 44	20 25	0 34	21 33	1 31	15 43	15 39	23 14			n.a.
S 14	17 32	9 46	1 17	19 55	1 12	15 33	0 30	8 18	0 49	17 1	0 51	1 30	2 22	3 42	0 44	20 25	0 34	21 33	1 30	15 44	15 38	23 12			n.a.
M15	17 47	15 26	0 4	20 35	1 20	15 57	0 28	8 10	0 47	16 59	0 51	1 27	2 23	3 42	0 44	20 25	0 34	21 33	1 30	15 44	15 37	23 10			n.a.
T 16	18 3	20 28	1n11	21 13	1 27	16 21	0 26	8 2	0 45	16 58	0 51	1 25	2 23	3 43	0 44	20 24	0 34	21 33	1 30	15 44	15 36	23 9			n.a.
W17	18 18	24 28	2 23	21 48	1 34	16 45	0 23	7 54	0 43	16 56	0 51	1 23	2 23	3 43	0 44	20 24	0 34	21 33	1 30	15 43	15 35	23 7			n.a.
T 18	18 33	27 1	3 28	22 21	1 40	17 8	0 21	7 45	0 40	16 54	0 50	1 21	2 23	3 43	0 44	20 24	0 34	21 33	1 30	15 43	15 34	23 5			n.a.
F 19	18 48	27 49	4 20	22 51	1 45	17 30	0 19	7 36	0 38	16 52	0 50	1 19	2 23	3 44	0 44	20 24	0 34	21 33	1 30	15 43	15 33	23 3			n.a.
S 20	19 2	26 45	4 56	23 18	1 49	17 53	0 16	7 27	0 36	16 50	0 50	1 16	2 24	3 44	0 44	20 23	0 34	21 33	1 30	15 42	15 32	23 1			n.a.
S 21	19 17	23 56	5 14	23 43	1 53	18 14	0 14	7 18	0 34	16 48	0 50	1 14	2 24	3 44	0 44	20 23	0 34	21 33	1 30	15 42	15 31	22 59			n.a.
M22	19 30	19 40	5 12	24 5	1 57	18 36	0 12	7 9	0 32	16 46	0 50	1 12	2 24	3 44	0 44	20 23	0 34	21 33	1 30	15 42	15 30	22 58			n.a.
T 23	19 44	14 19	4 51	24 24	1 59	18 56	0 9	6 59	0 30	16 44	0 50	1 10	2 24	3 45	0 44	20 23	0 34	21 33	1 30	15 42	15 29	22 56			n.a.
W24	19 57	8 17	4 13	24 41	2 1	19 17	0 7	6 50	0 28	16 42	0 49	1 8	2 24	3 45	0 44	20 22	0 34	21 33	1 30	15 42	15 28	22 54			n.a.
T 25	20 10	1 56	3 21	24 55	2 2	19 36	0 5	6 40	0 26	16 40	0 49	1 6	2 25	3 45	0 44	20 22	0 34	21 33	1 30	15 42	15 27	22 52			n.a.
F 26	20 22	4s26	2 18	25 7	2 2	19 56	0 2	6 30	0 24	16 38	0 49	1 4	2 25	3 45	0 44	20 22	0 34	21 32	1 29	15 43	15 26	22 50			n.a.
S 27	20 34	10 31	1 8	25 17	2 2	20 14	0n 0	6 20	0 22	16 36	0 49	1 2	2 25	3 45	0 44	20 22	0 34	21 32	1 29	15 43	15 25	22 48			n.a.
S 28	20 46	16 3	0s 5	25 24	2 1	20 32	0 3	6 10	0 20	16 34	0 49	1 0	2 25	3 45	0 44	20 21	0 34	21 32	1 29	15 43	15 24	22 46			n.a.
M29	20 57	20 45	1 15	25 29	1 59	20 50	0 5	5 59	0 18	16 32	0 49	0 58	2 25	3 45	0 44	20 21	0 34	21 32	1 29	15 43	15 23	22 45			n.a.
T 30	21 8	24 23	2 21	25 32	1 57	21 7	0 7	5 49	0 16	16 31	0 48	0 57	2 26	3 45	0 44	20 21	0 34	21 32	1 29	15 42	15 22	22 43			n.a.
W31	21n19	26s45	3s19	25n33	1n54	21n24	0n10	5n38	0n15	16s29	0n48	0s55	2s26	3n46	0n44	20n20	0n34	21s32	1n29	15n42	15n21	22s41			n.a.

Julian Day Number = 1644110.5, Delta T = 03h34m43s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'29, Lahiri = - 6°52'28 Julian Calendar 1 May 212 BCE == Greg. Calendar 27 Apr. 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

JUNE 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 22 30	5♊36'22	3♉52	27♊16	5♊26	16♍51	17°R22	3♈21	22°R18	2♎42	16°R19	12°R12	11♉ 5	10♒53	n.a.	T 1
F 2	16 26 26	6°33'27	16° 3	28°50	6°39	17°15	17♏15	3°26	22♍18	2°44	16♐18	12♉ 8	11° 1	10°59	n.a.	F 2
S 3	16 30 23	7°30'32	28° 4	0♋21	7°53	17°39	17° 9	3°30	22°17	2°45	16°16	12° 4	10°58	11° 6	n.a.	S 3
S 4	16 34 19	8°27'38	10♒ 0	1°51	9° 7	18° 4	17° 2	3°35	22°D17	2°46	16°15	12° 1	10°55	11°13	n.a.	S 4
M 5	16 38 16	9°24'44	21°53	3°18	10°20	18°29	16°55	3°40	22°17	2°48	16°13	11°58	10°52	11°20	n.a.	M 5
T 6	16 42 12	10°21'50	3♓47	4°42	11°34	18°54	16°49	3°44	22°18	2°49	16°12	11°57	10°49	11°26	n.a.	T 6
W 7	16 46 9	11°18'57	15°48	6° 5	12°48	19°20	16°42	3°49	22°18	2°51	16°10	11°D57	10°45	11°33	n.a.	W 7
T 8	16 50 6	12°16'04	27°59	7°25	14° 2	19°46	16°36	3°53	22°18	2°52	16° 9	11°58	10°42	11°40	n.a.	T 8
F 9	16 54 2	13°13'11	10♈25	8°42	15°16	20°12	16°30	3°58	22°18	2°54	16° 7	11°59	10°39	11°46	n.a.	F 9
S 10	16 57 59	14°10'20	23°12	9°57	16°29	20°39	16°24	4° 2	22°18	2°56	16° 6	12° 1	10°36	11°53	n.a.	S 10
S 11	17 1 55	15° 7'28	6♉20	11°10	17°43	21° 6	16°18	4° 6	22°19	2°57	16° 4	12°R 2	10°33	12° 0	n.a.	S 11
M12	17 5 52	16° 4'38	19°54	12°20	18°57	21°33	16°12	4°10	22°19	2°59	16° 3	12° 2	10°30	12° 7	n.a.	M12
T 13	17 9 48	17° 1'48	3♊51	13°27	20°11	22° 1	16° 7	4°14	22°20	3° 0	16° 2	12° 0	10°26	12°13	n.a.	T 13
W14	17 13 45	17°58'58	18°11	14°32	21°25	22°29	16° 1	4°18	22°20	3° 2	16° 0	11°57	10°23	12°20	n.a.	W14
T 15	17 17 41	18°56'09	2♋46	15°33	22°38	22°57	15°56	4°22	22°21	3° 4	15°59	11°52	10°20	12°27	n.a.	T 15
F 16	17 21 38	19°53'21	17°32	16°32	23°52	23°26	15°51	4°26	22°21	3° 6	15°57	11°47	10°17	12°34	n.a.	F 16
S 17	17 25 35	20°50'32	2♌20	17°28	25° 6	23°55	15°45	4°29	22°22	3° 7	15°56	11°41	10°14	12°40	n.a.	S 17
S 18	17 29 31	21°47'44	17° 2	18°20	26°20	24°24	15°40	4°33	22°23	3° 9	15°54	11°36	10°11	12°47	n.a.	S 18
M19	17 33 28	22°44'57	1♍32	19°10	27°34	24°54	15°36	4°36	22°23	3°11	15°53	11°33	10° 7	12°54	n.a.	M19
T 20	17 37 24	23°42'09	15°47	19°55	28°48	25°24	15°31	4°39	22°24	3°13	15°51	11°31	10° 4	13° 0	n.a.	T 20
W21	17 41 21	24°39'22	29°44	20°38	0♌ 2	25°54	15°27	4°43	22°25	3°14	15°50	11°D31	10° 1	13° 7	n.a.	W21
T 22	17 45 17	25°36'35	13♎22	21°16	1°16	26°25	15°22	4°46	22°26	3°16	15°48	11°32	9°58	13°14	n.a.	T 22
F 23	17 49 14	26°33'49	26°44	21°51	2°30	26°55	15°18	4°49	22°27	3°18	15°47	11°33	9°55	13°21	n.a.	F 23
S 24	17 53 10	27°31'03	9♏50	22°21	3°43	27°26	15°14	4°52	22°28	3°20	15°45	11°R34	9°51	13°27	n.a.	S 24
S 25	17 57 7	28°28'18	22°43	22°47	4°57	27°57	15°10	4°55	22°29	3°22	15°44	11°33	9°48	13°34	n.a.	S 25
M26	18 1 4	29°25'33	5♐23	23° 9	6°11	28°29	15° 7	4°58	22°30	3°24	15°42	11°31	9°45	13°41	n.a.	M26
T 27	18 5 0	0♋22'50	17°53	23°26	7°25	29° 1	15° 3	5° 0	22°32	3°26	15°41	11°26	9°42	13°48	n.a.	T 27
W28	18 8 57	1°20'07	0♑13	23°39	8°39	29°33	15° 0	5° 3	22°33	3°28	15°40	11°19	9°39	13°54	n.a.	W28
T 29	18 12 53	2°17'25	12°24	23°47	9°53	0♎ 5	14°57	5° 5	22°34	3°30	15°38	11°11	9°36	14° 1	n.a.	T 29
F 30	18 16 50	3♋14'44	24♑28	23°R49	11♋ 7	0♎37	14♏54	5♈ 8	22♍35	3♌32	15♐37	11♉ 1	9♉32	14♒ 8	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n30	27s46	4s 6	25n32	1n51	21n39	0n12	5n27	0n13	16s27	0n48	0s53	2s26	3n46	0n44	20n20	0n34	21s32	1n29	15n41	15n20	22s39		n.a.
F 2	21 40	27 24	4 41	25 30	1 47	21 55	0 14	5 16	0 11	16 25	0 48	0 51	2 26	3 46	0 44	20 20	0 34	21 32	1 29	15 39	15 19	22 37		n.a.
S 3	21 49	25 45	5 4	25 25	1 42	22 9	0 17	5 5	0 9	16 23	0 48	0 50	2 27	3 46	0 44	20 19	0 34	21 32	1 29	15 38	15 18	22 35		n.a.
S 4	21 59	22 58	5 13	25 19	1 37	22 23	0 19	4 53	0 8	16 22	0 48	0 48	2 27	3 46	0 44	20 19	0 34	21 32	1 29	15 37	15 17	22 33		n.a.
M 5	22 7	19 14	5 8	25 12	1 31	22 37	0 21	4 42	0 6	16 20	0 47	0 46	2 27	3 45	0 44	20 19	0 34	21 32	1 29	15 36	15 16	22 31		n.a.
T 6	22 16	14 44	4 51	25 3	1 24	22 50	0 24	4 30	0 4	16 18	0 47	0 45	2 27	3 45	0 43	20 18	0 34	21 32	1 28	15 36	15 15	22 29		n.a.
W 7	22 24	9 39	4 20	24 52	1 17	23 2	0 26	4 19	0 2	16 17	0 47	0 43	2 28	3 45	0 43	20 18	0 34	21 32	1 28	15 36	15 14	22 27		n.a.
T 8	22 32	4 8	3 38	24 41	1 10	23 13	0 28	4 7	0 1	16 15	0 47	0 42	2 28	3 45	0 43	20 18	0 34	21 32	1 28	15 36	15 13	22 25		n.a.
F 9	22 39	1n40	2 44	24 28	1 2	23 24	0 30	3 55	0s 1	16 14	0 47	0 40	2 28	3 45	0 43	20 17	0 34	21 32	1 28	15 37	15 12	22 23		n.a.
S 10	22 46	7 33	1 41	24 14	0 54	23 34	0 33	3 43	0 2	16 12	0 46	0 39	2 28	3 45	0 43	20 17	0 34	21 32	1 28	15 37	15 11	22 21		n.a.
S 11	22 53	13 18	0 31	23 59	0 45	23 43	0 35	3 30	0 4	16 10	0 46	0 37	2 29	3 45	0 43	20 16	0 34	21 32	1 28	15 38	15 10	22 19		n.a.
M12	22 59	18 36	0n43	23 44	0 35	23 52	0 37	3 18	0 6	16 9	0 46	0 36	2 29	3 45	0 43	20 16	0 34	21 32	1 28	15 37	15 9	22 18		n.a.
T 13	23 5	23 4	1 56	23 27	0 25	24 0	0 39	3 6	0 7	16 8	0 46	0 34	2 29	3 44	0 43	20 16	0 34	21 31	1 28	15 37	15 8	22 16		n.a.
W14	23 10	26 14	3 4	23 10	0 15	24 7	0 41	2 53	0 9	16 6	0 45	0 33	2 29	3 44	0 43	20 15	0 34	21 31	1 28	15 36	15 7	22 14		n.a.
T 15	23 15	27 42	4 1	22 53	0 4	24 14	0 43	2 40	0 10	16 5	0 45	0 32	2 30	3 44	0 43	20 15	0 34	21 31	1 28	15 35	15 6	22 12		n.a.
F 16	23 20	27 13	4 43	22 35	0s 7	24 20	0 45	2 27	0 12	16 3	0 45	0 31	2 30	3 44	0 43	20 14	0 34	21 31	1 27	15 33	15 5	22 10		n.a.
S 17	23 24	24 50	5 5	22 16	0 18	24 25	0 47	2 15	0 13	16 2	0 45	0 29	2 30	3 43	0 43	20 14	0 34	21 31	1 27	15 31	15 4	22 8		n.a.
S 18	23 28	20 48	5 8	21 57	0 30	24 30	0 49	2 1	0 15	16 1	0 45	0 28	2 30	3 43	0 43	20 14	0 34	21 31	1 27	15 30	15 3	22 6		n.a.
M19	23 31	15 34	4 51	21 38	0 42	24 33	0 51	1 48	0 16	16 0	0 44	0 27	2 31	3 43	0 43	20 13	0 34	21 31	1 27	15 29	15 2	22 4		n.a.
T 20	23 34	9 36	4 16	21 19	0 55	24 36	0 53	1 35	0 17	15 59	0 44	0 26	2 31	3 42	0 43	20 13	0 34	21 31	1 27	15 28	15 1	22 2		n.a.
W21	23 37	3 16	3 27	21 0	1 7	24 38	0 55	1 22	0 19	15 58	0 44	0 25	2 31	3 42	0 43	20 12	0 34	21 31	1 27	15 28	15 0	21 59		n.a.
T 22	23 39	3s 6	2 26	20 42	1 20	24 40	0 57	1 8	0 20	15 56	0 44	0 24	2 31	3 41	0 43	20 12	0 34	21 31	1 27	15 28	14 59	21 57		n.a.
F 23	23 41	9 12	1 19	20 23	1 34	24 41	0 59	0 55	0 22	15 55	0 43	0 23	2 32	3 41	0 43	20 12	0 34	21 31	1 27	15 29	14 58	21 55		n.a.
S 24	23 42	14 47	0 9	20 5	1 47	24 40	1 0	0 41	0 23	15 55	0 43	0 22	2 32	3 40	0 43	20 11	0 34	21 31	1 27	15 29	14 56	21 53		n.a.
S 25	23 43	19 38	1s 0	19 47	2 1	24 40	1 2	0 27	0 24	15 54	0 43	0 21	2 32	3 40	0 43	20 11	0 34	21 31	1 27	15 29	14 55	21 51		n.a.
M26	23 43	23 30	2 5	19 30	2 14	24 38	1 4	0 13	0 26	15 53	0 43	0 20	2 33	3 40	0 43	20 10	0 34	21 31	1 26	15 28	14 54	21 49		n.a.
T 27	23 43	26 12	3 3	19 14	2 28	24 36	1 5	0s 1	0 27	15 52	0 43	0 19	2 33	3 39	0 43	20 10	0 34	21 31	1 26	15 26	14 53	21 47		n.a.
W28	23 43	27 34	3 51	18 59	2 41	24 33	1 7	0 15	0 28	15 51	0 42	0 19	2 33	3 38	0 43	20 9	0 34	21 31	1 26	15 24	14 52	21 45		n.a.
T 29	23 42	27 35	4 28	18 44	2 55	24 29	1 8	0 29	0 29	15 50	0 42	0 18	2 33	3 38	0 42	20 9	0 34	21 31	1 26	15 22	14 51	21 43		n.a.
F 30	23n41	26s17	4s53	18n31	3s 8	24n25	1n10	0s43	0s31	15s50	0n42	0s17	2s34	3n37	0n42	20n 8	0n34	21s31	1n26	15n19	14n50	21s41		n.a.

Julian Day Number = 1644141.5, Delta T = 03h34m42s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'25, Lahiri = - 6°52'24 Julian Calendar 1 June 212 BCE == Greg. Calendar 28 May 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

JULY 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 20 46	4♋12'04	6♒26	23°R47	12♋21	1♎10	14°R51	5♈10	22♍37	3♌34	15°R35	10°R51	9♉29	14♒14	n.a.	S 1
S 2	18 24 43	5° 9'25	18°19	23♋39	13°35	1°43	14♏48	5°12	22°38	3°36	15♐34	10♉43	9°26	14°21	n.a.	S 2
M 3	18 28 40	6° 6'47	0♓11	23°26	14°49	2°16	14°46	5°14	22°40	3°38	15°33	10°35	9°23	14°28	n.a.	M 3
T 4	18 32 36	7° 4'11	12° 4	23° 8	16° 3	2°49	14°43	5°16	22°41	3°40	15°31	10°30	9°20	14°35	n.a.	T 4
W 5	18 36 33	8° 1'35	24° 2	22°45	17°17	3°23	14°41	5°18	22°43	3°42	15°30	10°27	9°17	14°41	n.a.	W 5
T 6	18 40 29	8°59'01	6♈11	22°18	18°31	3°57	14°39	5°20	22°44	3°44	15°29	10°D26	9°13	14°48	n.a.	T 6
F 7	18 44 26	9°56'29	18°34	21°45	19°45	4°31	14°38	5°22	22°46	3°46	15°27	10°26	9°10	14°55	n.a.	F 7
S 8	18 48 22	10°53'58	1♉18	21° 8	20°59	5° 5	14°36	5°23	22°48	3°48	15°26	10°26	9° 7	15° 1	n.a.	S 8
S 9	18 52 19	11°51'29	14°25	20°28	22°13	5°39	14°35	5°25	22°50	3°50	15°25	10°R27	9° 4	15° 8	n.a.	S 9
M10	18 56 15	12°49'01	28° 0	19°44	23°27	6°14	14°34	5°26	22°51	3°52	15°23	10°25	9° 1	15°15	n.a.	M10
T 11	19 0 12	13°46'34	12♊ 3	18°57	24°41	6°49	14°33	5°28	22°53	3°54	15°22	10°22	8°57	15°22	n.a.	T 11
W12	19 4 9	14°44'09	26°33	18° 9	25°55	7°24	14°32	5°29	22°55	3°56	15°21	10°16	8°54	15°28	n.a.	W12
T 13	19 8 5	15°41'46	11♋26	17°20	27°10	7°59	14°31	5°30	22°57	3°58	15°20	10° 8	8°51	15°35	n.a.	T 13
F 14	19 12 2	16°39'24	26°32	16°31	28°24	8°35	14°31	5°31	22°59	4° 1	15°19	9°58	8°48	15°42	n.a.	F 14
S 15	19 15 58	17°37'03	11♌42	15°42	29°38	9°11	14°31	5°32	23° 1	4° 3	15°17	9°49	8°45	15°49	n.a.	S 15
S 16	19 19 55	18°34'43	26°45	14°56	0♌52	9°46	14°D30	5°32	23° 3	4° 5	15°16	9°40	8°42	15°55	n.a.	S 16
M17	19 23 51	19°32'25	11♍32	14°12	2° 6	10°22	14°31	5°33	23° 5	4° 7	15°15	9°33	8°38	16° 2	n.a.	M17
T 18	19 27 48	20°30'08	25°59	13°32	3°20	10°59	14°31	5°34	23° 8	4° 9	15°14	9°29	8°35	16° 9	n.a.	T 18
W19	19 31 44	21°27'51	10♎ 0	12°57	4°34	11°35	14°31	5°34	23°10	4°11	15°13	9°27	8°32	16°15	n.a.	W19
T 20	19 35 41	22°25'36	23°37	12°26	5°48	12°12	14°32	5°34	23°12	4°14	15°12	9°D26	8°29	16°22	n.a.	T 20
F 21	19 39 38	23°23'23	6♏52	12° 2	7° 2	12°48	14°33	5°34	23°14	4°16	15°10	9°R26	8°26	16°29	n.a.	F 21
S 22	19 43 34	24°21'10	19°47	11°45	8°17	13°25	14°34	5°R35	23°17	4°18	15° 9	9°26	8°23	16°36	n.a.	S 22
S 23	19 47 31	25°18'59	2♐25	11°35	9°31	14° 3	14°35	5°35	23°19	4°20	15° 8	9°24	8°19	16°42	n.a.	S 23
M24	19 51 27	26°16'50	14°51	11°D32	10°45	14°40	14°37	5°34	23°21	4°22	15° 7	9°20	8°16	16°49	n.a.	M24
T 25	19 55 24	27°14'42	27° 7	11°36	11°59	15°17	14°38	5°34	23°24	4°25	15° 6	9°12	8°13	16°56	n.a.	T 25
W26	19 59 20	28°12'35	9♑15	11°49	13°13	15°55	14°40	5°34	23°26	4°27	15° 5	9° 2	8°10	17° 3	n.a.	W26
T 27	20 3 17	29°10'30	21°17	12°10	14°27	16°33	14°42	5°34	23°29	4°29	15° 4	8°50	8° 7	17° 9	n.a.	T 27
F 28	20 7 13	0♒ 8'26	3♒15	12°39	15°41	17°11	14°44	5°33	23°32	4°31	15° 3	8°36	8° 3	17°16	n.a.	F 28
S 29	20 11 10	1° 6'25	15° 9	13°15	16°55	17°49	14°47	5°32	23°34	4°33	15° 2	8°23	8° 0	17°23	n.a.	S 29
S 30	20 15 7	2° 4'24	27° 1	13°59	18°10	18°27	14°49	5°32	23°37	4°36	15° 2	8°10	7°57	17°29	n.a.	S 30
M31	20 19 3	3♒ 2'26	8♓52	14♋51	19♌24	19♎ 5	14♏52	5♈31	23♍40	4♌38	15♐ 1	7♉59	7♉54	17♒36	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n39	23s47	5s 4	18n18	3s21	24n19	1n11	0s57	0s32	15s49	0n42	0s16	2s34	3n37	0n42	20n 8	0n34	21s31	1n26	15n16	14n49	21s39		n.a.
S 2	23 37	20 18	5 2	18 8	3 33	24 13	1 13	1 12	0 33	15 49	0 41	0 16	2 34	3 36	0 42	20 7	0 34	21 31	1 26	15 13	14 48	21 37		n.a.
M 3	23 35	16 1	4 48	17 58	3 45	24 7	1 14	1 26	0 34	15 48	0 41	0 15	2 35	3 36	0 42	20 7	0 34	21 31	1 26	15 10	14 47	21 35		n.a.
T 4	23 32	11 7	4 20	17 50	3 56	23 59	1 15	1 41	0 35	15 48	0 41	0 15	2 35	3 35	0 42	20 6	0 34	21 31	1 26	15 9	14 46	21 33		n.a.
W 5	23 29	5 47	3 42	17 44	4 6	23 51	1 16	1 55	0 37	15 47	0 41	0 14	2 35	3 34	0 42	20 6	0 34	21 31	1 25	15 8	14 45	21 30		n.a.
T 6	23 25	0 9	2 52	17 39	4 15	23 42	1 18	2 10	0 38	15 47	0 40	0 14	2 35	3 34	0 42	20 6	0 34	21 30	1 25	15 7	14 44	21 28		n.a.
F 7	23 21	5n36	1 54	17 36	4 24	23 33	1 19	2 24	0 39	15 47	0 40	0 13	2 36	3 33	0 42	20 5	0 34	21 30	1 25	15 7	14 43	21 26		n.a.
S 8	23 16	11 18	0 49	17 35	4 30	23 23	1 20	2 39	0 40	15 46	0 40	0 13	2 36	3 32	0 42	20 5	0 34	21 30	1 25	15 8	14 42	21 24		n.a.
S 9	23 11	16 41	0n21	17 36	4 36	23 12	1 21	2 54	0 41	15 46	0 40	0 13	2 36	3 31	0 42	20 4	0 34	21 30	1 25	15 8	14 41	21 22		n.a.
M10	23 6	21 27	1 32	17 39	4 40	23 0	1 22	3 9	0 42	15 46	0 39	0 12	2 37	3 31	0 42	20 4	0 34	21 30	1 25	15 7	14 40	21 20		n.a.
T 11	23 0	25 9	2 40	17 43	4 42	22 48	1 22	3 24	0 43	15 46	0 39	0 12	2 37	3 30	0 42	20 3	0 34	21 30	1 25	15 6	14 39	21 18		n.a.
W12	22 54	27 20	3 39	17 49	4 42	22 35	1 23	3 39	0 44	15 46	0 39	0 12	2 37	3 29	0 42	20 3	0 34	21 30	1 25	15 4	14 38	21 15		n.a.
T 13	22 47	27 38	4 26	17 57	4 41	22 21	1 24	3 54	0 45	15 46	0 39	0 12	2 37	3 28	0 42	20 2	0 34	21 30	1 24	15 2	14 37	21 13		n.a.
F 14	22 40	25 54	4 54	18 6	4 37	22 6	1 25	4 9	0 46	15 46	0 39	0 12	2 38	3 27	0 42	20 2	0 34	21 30	1 24	14 59	14 36	21 11		n.a.
S 15	22 33	22 19	5 2	18 17	4 32	21 51	1 25	4 24	0 47	15 46	0 38	0 12	2 38	3 27	0 42	20 1	0 34	21 30	1 24	14 56	14 35	21 9		n.a.
S 16	22 25	17 16	4 49	18 29	4 25	21 36	1 26	4 39	0 48	15 47	0 38	0 11	2 38	3 26	0 42	20 1	0 34	21 30	1 24	14 53	14 34	21 7		n.a.
M17	22 17	11 16	4 17	18 42	4 16	21 20	1 26	4 55	0 49	15 47	0 38	0 12	2 39	3 25	0 42	20 0	0 34	21 30	1 24	14 51	14 33	21 5		n.a.
T 18	22 8	4 48	3 29	18 57	4 6	21 3	1 27	5 10	0 50	15 47	0 38	0 12	2 39	3 24	0 42	19 59	0 34	21 30	1 24	14 49	14 32	21 2		n.a.
W19	21 59	1s43	2 29	19 12	3 54	20 45	1 27	5 25	0 51	15 48	0 37	0 12	2 39	3 23	0 42	19 59	0 34	21 30	1 24	14 49	14 31	21 0		n.a.
T 20	21 50	8 0	1 23	19 28	3 41	20 27	1 27	5 41	0 52	15 48	0 37	0 12	2 39	3 22	0 42	19 58	0 34	21 30	1 24	14 48	14 30	20 58		n.a.
F 21	21 40	13 45	0 14	19 44	3 27	20 9	1 28	5 56	0 53	15 48	0 37	0 12	2 40	3 21	0 42	19 58	0 34	21 30	1 23	14 48	14 29	20 56		n.a.
S 22	21 30	18 46	0s55	20 1	3 11	19 49	1 28	6 11	0 54	15 49	0 37	0 12	2 40	3 20	0 42	19 57	0 34	21 30	1 23	14 48	14 28	20 54		n.a.
S 23	21 20	22 50	1 58	20 18	2 55	19 30	1 28	6 27	0 55	15 50	0 36	0 12	2 40	3 19	0 42	19 57	0 34	21 30	1 23	14 48	14 27	20 51		n.a.
M24	21 9	25 45	2 56	20 35	2 39	19 9	1 28	6 42	0 56	15 50	0 36	0 13	2 41	3 18	0 42	19 56	0 34	21 30	1 23	14 46	14 26	20 49		n.a.
T 25	20 57	27 25	3 44	20 51	2 22	18 48	1 28	6 58	0 57	15 51	0 36	0 13	2 41	3 17	0 41	19 56	0 34	21 30	1 23	14 44	14 25	20 47		n.a.
W26	20 46	27 44	4 21	21 8	2 4	18 27	1 28	7 13	0 58	15 52	0 36	0 14	2 41	3 16	0 41	19 55	0 34	21 30	1 23	14 41	14 24	20 45		n.a.
T 27	20 34	26 43	4 46	21 23	1 47	18 5	1 28	7 29	0 59	15 53	0 35	0 14	2 41	3 15	0 41	19 55	0 34	21 30	1 23	14 37	14 23	20 42		n.a.
F 28	20 22	24 29	4 58	21 38	1 29	17 43	1 27	7 44	0 59	15 53	0 35	0 14	2 42	3 14	0 41	19 54	0 34	21 30	1 23	14 32	14 22	20 40		n.a.
S 29	20 9	21 13	4 57	21 51	1 12	17 20	1 27	8 0	1 0	15 54	0 35	0 15	2 42	3 13	0 41	19 54	0 34	21 30	1 22	14 28	14 21	20 38		n.a.
S 30	19 56	17 5	4 44	22 3	0 56	16 56	1 27	8 15	1 1	15 55	0 35	0 16	2 42	3 12	0 41	19 53	0 34	21 30	1 22	14 24	14 19	20 36		n.a.
M31	19n43	12s19	4s18	22n14	0s39	16n32	1n26	8s31	1s 2	15s56	0n35	0s16	2s43	3n11	0n41	19n53	0n34	21s31	1n22	14n20	14n18	20s33		n.a.

Julian Day Number = 1644171.5, Delta T = 03h34m41s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'20, Lahiri = - 6°52'20 Julian Calendar 1 July 212 BCE == Greg. Calendar 27 June 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

AUGUST 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 23 0	4♌ 0'30	20♓46	15♋50	20♌38	19♎44	14♏55	5°R30	23♍42	4♌40	15°R 0	7°R50	7♉51	17♒43	n.a.	T 1
W 2	20 26 56	4°58'36	2♈45	16°56	21°52	20°23	14°58	5♈29	23°45	4°42	14♐59	7♉44	7°48	17°50	n.a.	W 2
T 3	20 30 53	5°56'43	14°53	18° 9	23° 6	21° 1	15° 1	5°28	23°48	4°45	14°58	7°41	7°44	17°56	n.a.	T 3
F 4	20 34 49	6°54'53	27°14	19°27	24°20	21°40	15° 5	5°26	23°51	4°47	14°57	7°40	7°41	18° 3	n.a.	F 4
S 5	20 38 46	7°53'05	9♉54	20°51	25°34	22°19	15° 8	5°25	23°54	4°49	14°57	7°40	7°38	18°10	n.a.	S 5
S 6	20 42 42	8°51'19	22°56	22°20	26°48	22°59	15°12	5°23	23°57	4°51	14°56	7°40	7°35	18°16	n.a.	S 6
M 7	20 46 39	9°49'35	6♊25	23°54	28° 3	23°38	15°16	5°22	23°59	4°54	14°55	7°38	7°32	18°23	n.a.	M 7
T 8	20 50 36	10°47'54	20°23	25°31	29°17	24°18	15°20	5°20	24° 2	4°56	14°55	7°34	7°29	18°30	n.a.	T 8
W 9	20 54 32	11°46'15	4♋51	27°12	0♍31	24°57	15°24	5°18	24° 5	4°58	14°54	7°28	7°25	18°37	n.a.	W 9
T 10	20 58 29	12°44'38	19°44	28°56	1°45	25°37	15°29	5°16	24° 9	5° 0	14°53	7°19	7°22	18°43	n.a.	T 10
F 11	21 2 25	13°43'03	4♌56	0♌43	2°59	26°17	15°33	5°14	24°12	5° 2	14°53	7° 8	7°19	18°50	n.a.	F 11
S 12	21 6 22	14°41'30	20°16	2°32	4°13	26°57	15°38	5°12	24°15	5° 5	14°52	6°57	7°16	18°57	n.a.	S 12
S 13	21 10 18	15°39'58	5♍32	4°22	5°27	27°38	15°43	5°10	24°18	5° 7	14°52	6°47	7°13	19° 4	n.a.	S 13
M14	21 14 15	16°38'29	20°34	6°13	6°42	28°18	15°48	5° 8	24°21	5° 9	14°51	6°39	7° 9	19°10	n.a.	M14
T 15	21 18 11	17°37'01	5♎13	8° 6	7°56	28°58	15°54	5° 5	24°24	5°11	14°51	6°33	7° 6	19°17	n.a.	T 15
W16	21 22 8	18°35'36	19°25	9°58	9°10	29°39	15°59	5° 3	24°27	5°13	14°50	6°30	7° 3	19°24	n.a.	W16
T 17	21 26 5	19°34'12	3♏ 9	11°52	10°24	0♏20	16° 5	5° 0	24°31	5°16	14°50	6°D29	7° 0	19°30	n.a.	T 17
F 18	21 30 1	20°32'49	16°26	13°45	11°38	1° 1	16°10	4°58	24°34	5°18	14°49	6°R30	6°57	19°37	n.a.	F 18
S 19	21 33 58	21°31'29	29°19	15°38	12°52	1°42	16°16	4°55	24°37	5°20	14°49	6°29	6°54	19°44	n.a.	S 19
S 20	21 37 54	22°30'10	11♐53	17°30	14° 6	2°23	16°22	4°52	24°41	5°22	14°48	6°28	6°50	19°51	n.a.	S 20
M21	21 41 51	23°28'54	24°12	19°23	15°20	3° 4	16°29	4°49	24°44	5°24	14°48	6°24	6°47	19°57	n.a.	M21
T 22	21 45 47	24°27'39	6♑20	21°14	16°34	3°46	16°35	4°46	24°47	5°26	14°48	6°17	6°44	20° 4	n.a.	T 22
W23	21 49 44	25°26'26	18°20	23° 5	17°48	4°27	16°42	4°43	24°51	5°28	14°48	6° 8	6°41	20°11	n.a.	W23
T 24	21 53 40	26°25'15	0♒16	24°55	19° 2	5° 9	16°48	4°40	24°54	5°31	14°47	5°57	6°38	20°17	n.a.	T 24
F 25	21 57 37	27°24'06	12° 9	26°45	20°16	5°50	16°55	4°37	24°58	5°33	14°47	5°44	6°35	20°24	n.a.	F 25
S 26	22 1 34	28°22'58	24° 2	28°34	21°30	6°32	17° 2	4°33	25° 1	5°35	14°47	5°31	6°31	20°31	n.a.	S 26
S 27	22 5 30	29°21'53	5♓55	0♍21	22°45	7°14	17° 9	4°30	25° 5	5°37	14°47	5°19	6°28	20°38	n.a.	S 27
M28	22 9 27	0♍20'50	17°50	2° 8	23°59	7°56	17°17	4°26	25° 8	5°39	14°47	5° 9	6°25	20°44	n.a.	M28
T 29	22 13 23	1°19'50	29°49	3°54	25°13	8°38	17°24	4°23	25°12	5°41	14°47	5° 1	6°22	20°51	n.a.	T 29
W30	22 17 20	2°18'51	11♈54	5°39	26°27	9°20	17°32	4°19	25°15	5°43	14°47	4°56	6°19	20°58	n.a.	W30
T 31	22 21 16	3♍17'55	24♈ 7	7♍24	27♍41	10♏ 3	17♏39	4♈15	25♍19	5♌45	14°D47	4♉53	6♉15	21♒ 4	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19n29	7s 4	3s40	22n23	0s23	16n 8	1n26	8s46	1s 3	15s57	0n34	0s17	2s43	3n 9	0n41	19n52	0n34	21s31	1n22	14n17	14n17	20s31			n.a.
W 2	19 15	1 32	2 53	22 30	0 8	15 43	1 25	9 2	1 3	15 58	0 34	0 17	2 43	3 8	0 41	19 52	0 34	21 31	1 22	14 15	14 16	20 29			n.a.
T 3	19 0	4n 8	1 57	22 34	0n 6	15 18	1 24	9 17	1 4	16 0	0 34	0 18	2 43	3 7	0 41	19 51	0 34	21 31	1 22	14 14	14 15	20 27			n.a.
F 4	18 46	9 46	0 55	22 37	0 19	14 53	1 24	9 33	1 5	16 1	0 34	0 19	2 44	3 6	0 41	19 51	0 34	21 31	1 22	14 14	14 14	20 24			n.a.
S 5	18 31	15 8	0n12	22 37	0 32	14 27	1 23	9 48	1 6	16 2	0 33	0 20	2 44	3 5	0 41	19 50	0 34	21 31	1 21	14 14	14 13	20 22			n.a.
S 6	18 15	20 1	1 20	22 34	0 44	14 0	1 22	10 4	1 6	16 3	0 33	0 21	2 44	3 4	0 41	19 49	0 34	21 31	1 21	14 14	14 12	20 20			n.a.
M 7	18 0	24 1	2 26	22 28	0 54	13 34	1 21	10 19	1 7	16 5	0 33	0 21	2 45	3 2	0 41	19 49	0 34	21 31	1 21	14 13	14 11	20 17			n.a.
T 8	17 44	26 47	3 25	22 20	1 4	13 6	1 20	10 35	1 8	16 6	0 33	0 22	2 45	3 1	0 41	19 48	0 34	21 31	1 21	14 12	14 10	20 15			n.a.
W 9	17 28	27 51	4 14	22 9	1 13	12 39	1 19	10 50	1 9	16 8	0 33	0 23	2 45	3 0	0 41	19 48	0 34	21 31	1 21	14 10	14 9	20 13			n.a.
T 10	17 11	26 58	4 46	21 55	1 20	12 11	1 18	11 5	1 9	16 9	0 32	0 24	2 45	2 59	0 41	19 47	0 34	21 31	1 21	14 7	14 8	20 11			n.a.
F 11	16 54	24 6	5 0	21 39	1 27	11 43	1 17	11 21	1 10	16 11	0 32	0 25	2 46	2 57	0 41	19 47	0 34	21 31	1 21	14 3	14 7	20 8			n.a.
S 12	16 37	19 31	4 52	21 20	1 33	11 15	1 15	11 36	1 11	16 12	0 32	0 26	2 46	2 56	0 41	19 46	0 34	21 31	1 21	14 0	14 6	20 6			n.a.
S 13	16 20	13 40	4 24	20 59	1 38	10 46	1 14	11 51	1 11	16 14	0 32	0 28	2 46	2 55	0 41	19 46	0 34	21 31	1 20	13 56	14 5	20 4			n.a.
M14	16 2	7 6	3 37	20 35	1 42	10 17	1 13	12 7	1 12	16 16	0 31	0 29	2 46	2 54	0 41	19 45	0 34	21 31	1 20	13 54	14 4	20 1			n.a.
T 15	15 44	0 18	2 37	20 9	1 45	9 48	1 11	12 22	1 12	16 18	0 31	0 30	2 47	2 52	0 41	19 45	0 34	21 31	1 20	13 52	14 3	19 59			n.a.
W16	15 26	6s19	1 29	19 40	1 47	9 18	1 10	12 37	1 13	16 19	0 31	0 31	2 47	2 51	0 41	19 44	0 34	21 31	1 20	13 51	14 2	19 56			n.a.
T 17	15 7	12 26	0 18	19 10	1 49	8 48	1 8	12 52	1 14	16 21	0 31	0 32	2 47	2 50	0 41	19 44	0 34	21 32	1 20	13 51	14 1	19 54			n.a.
F 18	14 49	17 47	0s52	18 38	1 49	8 18	1 7	13 7	1 14	16 23	0 31	0 34	2 47	2 48	0 41	19 43	0 34	21 32	1 20	13 51	14 0	19 52			n.a.
S 19	14 30	22 9	1 58	18 5	1 49	7 48	1 5	13 22	1 15	16 25	0 30	0 35	2 48	2 47	0 41	19 43	0 34	21 32	1 20	13 51	13 59	19 49			n.a.
S 20	14 11	25 23	2 56	17 30	1 49	7 18	1 3	13 37	1 15	16 27	0 30	0 36	2 48	2 46	0 41	19 42	0 34	21 32	1 19	13 50	13 58	19 47			n.a.
M21	13 51	27 20	3 44	16 53	1 48	6 47	1 1	13 52	1 16	16 29	0 30	0 38	2 48	2 44	0 41	19 42	0 34	21 32	1 19	13 49	13 56	19 45			n.a.
T 22	13 31	27 56	4 22	16 15	1 46	6 16	1 0	14 7	1 17	16 31	0 30	0 39	2 48	2 43	0 41	19 41	0 34	21 32	1 19	13 47	13 55	19 42			n.a.
W23	13 12	27 11	4 47	15 37	1 44	5 45	0 58	14 22	1 17	16 33	0 30	0 41	2 48	2 42	0 41	19 41	0 34	21 32	1 19	13 43	13 54	19 40			n.a.
T 24	12 51	25 12	5 0	14 57	1 41	5 14	0 56	14 36	1 18	16 35	0 29	0 42	2 49	2 40	0 41	19 40	0 34	21 32	1 19	13 40	13 53	19 37			n.a.
F 25	12 31	22 8	4 59	14 16	1 38	4 43	0 54	14 51	1 18	16 37	0 29	0 43	2 49	2 39	0 41	19 40	0 34	21 32	1 19	13 35	13 52	19 35			n.a.
S 26	12 11	18 9	4 46	13 35	1 34	4 12	0 52	15 5	1 19	16 40	0 29	0 45	2 49	2 37	0 41	19 39	0 34	21 32	1 19	13 31	13 51	19 33			n.a.
S 27	11 50	13 28	4 20	12 53	1 30	3 40	0 49	15 20	1 19	16 42	0 29	0 47	2 49	2 36	0 41	19 39	0 34	21 33	1 19	13 27	13 50	19 30			n.a.
M28	11 29	8 16	3 43	12 10	1 26	3 9	0 47	15 34	1 20	16 44	0 29	0 48	2 49	2 35	0 41	19 38	0 34	21 33	1 18	13 24	13 49	19 28			n.a.
T 29	11 8	2 45	2 55	11 27	1 21	2 37	0 45	15 48	1 20	16 46	0 28	0 50	2 50	2 33	0 41	19 38	0 34	21 33	1 18	13 21	13 48	19 25			n.a.
W30	10 46	2n56	1 59	10 44	1 16	2 5	0 43	16 3	1 20	16 49	0 28	0 51	2 50	2 32	0 41	19 37	0 34	21 33	1 18	13 19	13 47	19 23			n.a.
T 31	10n25	8n35	0s57	10n 0	1n11	1n33	0n41	16s17	1s21	16s51	0n28	0s53	2s50	2n30	0n41	19n37	0n34	21s33	1n18	13n18	13n46	19s21			n.a.

Julian Day Number = 1644202.5, Delta T = 03h34m40s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'16, Lahiri = - 6°52'16 Julian Calendar 1 Aug. 212 BCE == Greg. Calendar 28 July 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

SEPTEMBER 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 25 13	4♍17'01	6♉32	9♍ 7	28♍54	10♏45	17♏47	4°R11	25♍22	5♎47	14♐47	4°D53	6♉12	21♒11	n.a.	F 1
S 2	22 29 9	5°16'10	19°12	10°49	0♎ 8	11°28	17°55	4♈ 7	25°26	5°49	14°47	4♉53	6° 9	21°18	n.a.	S 2
S 3	22 33 6	6°15'21	2♊12	12°31	1°22	12°10	18° 3	4° 4	25°29	5°51	14°47	4°R54	6° 6	21°25	n.a.	S 3
M 4	22 37 2	7°14'35	15°35	14°12	2°36	12°53	18°11	4° 0	25°33	5°53	14°47	4°54	6° 3	21°31	n.a.	M 4
T 5	22 40 59	8°13'51	29°23	15°52	3°50	13°36	18°20	3°55	25°37	5°55	14°47	4°52	6° 0	21°38	n.a.	T 5
W 6	22 44 56	9°13'09	13♋39	17°31	5° 4	14°19	18°28	3°51	25°40	5°57	14°47	4°47	5°56	21°45	n.a.	W 6
T 7	22 48 52	10°12'31	28°19	19° 9	6°18	15° 2	18°37	3°47	25°44	5°59	14°47	4°41	5°53	21°52	n.a.	T 7
F 8	22 52 49	11°11'54	13♌20	20°47	7°32	15°45	18°46	3°43	25°48	6° 1	14°47	4°33	5°50	21°58	n.a.	F 8
S 9	22 56 45	12°11'19	28°32	22°24	8°46	16°28	18°54	3°39	25°51	6° 3	14°48	4°25	5°47	22° 5	n.a.	S 9
S 10	23 0 42	13°10'47	13♍45	24° 0	10° 0	17°11	19° 3	3°34	25°55	6° 5	14°48	4°18	5°44	22°12	n.a.	S 10
M11	23 4 38	14°10'17	28°49	25°35	11°14	17°55	19°12	3°30	25°59	6° 6	14°48	4°11	5°40	22°18	n.a.	M11
T 12	23 8 35	15° 9'49	13♎34	27°10	12°28	18°38	19°22	3°25	26° 3	6° 8	14°49	4° 7	5°37	22°25	n.a.	T 12
W13	23 12 31	16° 9'23	27°55	28°44	13°42	19°22	19°31	3°21	26° 6	6°10	14°49	4°D 6	5°34	22°32	n.a.	W13
T 14	23 16 28	17° 8'59	11♏47	0♎17	14°55	20° 5	19°41	3°16	26°10	6°12	14°49	4° 6	5°31	22°39	n.a.	T 14
F 15	23 20 25	18° 8'37	25°11	1°50	16° 9	20°49	19°50	3°12	26°14	6°14	14°50	4° 7	5°28	22°45	n.a.	F 15
S 16	23 24 21	19° 8'16	8♐10	3°21	17°23	21°33	20° 0	3° 7	26°18	6°15	14°50	4° 8	5°25	22°52	n.a.	S 16
S 17	23 28 18	20° 7'58	20°46	4°53	18°37	22°17	20°10	3° 2	26°21	6°17	14°51	4°R 9	5°21	22°59	n.a.	S 17
M18	23 32 14	21° 7'41	3♑ 5	6°23	19°51	23° 1	20°20	2°58	26°25	6°19	14°51	4° 8	5°18	23° 5	n.a.	M18
T 19	23 36 11	22° 7'27	15°11	7°53	21° 4	23°45	20°30	2°53	26°29	6°21	14°52	4° 5	5°15	23°12	n.a.	T 19
W20	23 40 7	23° 7'14	27° 9	9°22	22°18	24°29	20°40	2°48	26°33	6°22	14°52	4° 1	5°12	23°19	n.a.	W20
T 21	23 44 4	24° 7'03	9♒ 2	10°51	23°32	25°13	20°50	2°43	26°36	6°24	14°53	3°54	5° 9	23°26	n.a.	T 21
F 22	23 48 0	25° 6'53	20°53	12°19	24°46	25°58	21° 0	2°39	26°40	6°25	14°54	3°47	5° 6	23°32	n.a.	F 22
S 23	23 51 57	26° 6'46	2♓47	13°46	25°59	26°42	21°11	2°34	26°44	6°27	14°54	3°40	5° 2	23°39	n.a.	S 23
S 24	23 55 54	27° 6'40	14°43	15°12	27°13	27°26	21°21	2°29	26°48	6°29	14°55	3°33	4°59	23°46	n.a.	S 24
M25	23 59 50	28° 6'37	26°46	16°38	28°27	28°11	21°32	2°24	26°52	6°30	14°56	3°27	4°56	23°52	n.a.	M25
T 26	0 3 47	29° 6'35	8♈54	18° 3	29°40	28°55	21°43	2°19	26°55	6°32	14°56	3°23	4°53	23°59	n.a.	T 26
W27	0 7 43	0♎ 6'36	21°11	19°27	0♏54	29°40	21°54	2°14	26°59	6°33	14°57	3°20	4°50	24° 6	n.a.	W27
T 28	0 11 40	1° 6'39	3♉38	20°51	2° 8	0♐25	22° 4	2° 9	27° 3	6°35	14°58	3°D20	4°46	24°13	n.a.	T 28
F 29	0 15 36	2° 6'43	16°15	22°13	3°21	1° 9	22°15	2° 5	27° 7	6°36	14°59	3°20	4°43	24°19	n.a.	F 29
S 30	0 19 33	3♎ 6'51	29♉ 6	23♎35	4♏35	1♐54	22♏27	2♈ 0	27♍10	6♎38	15♐ 0	3♉22	4♉40	24♒26	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n 3	14n 0	0n 9	9n16	1n 6	1n 1	0n38	16s31	1s21	16s53	0n28	0s55	2s50	2n29	0n41	19n36	0n34	21s33	1n18	13n18	13n45	19s18		n.a.
S 2	9 41	18 57	1 16	8 31	1 0	0 29	0 36	16 44	1 22	16 56	0 28	0 57	2 50	2 27	0 40	19 36	0 34	21 33	1 18	13 18	13 44	19 16		n.a.
S 3	9 19	23 9	2 21	7 47	0 54	0s 3	0 33	16 58	1 22	16 58	0 28	0 58	2 50	2 26	0 40	19 35	0 34	21 33	1 18	13 18	13 43	19 13		n.a.
M 4	8 57	26 15	3 20	7 2	0 48	0 35	0 31	17 12	1 23	17 1	0 27	1 0	2 51	2 24	0 40	19 35	0 34	21 34	1 17	13 18	13 42	19 11		n.a.
T 5	8 35	27 53	4 9	6 17	0 42	1 7	0 28	17 25	1 23	17 3	0 27	1 2	2 51	2 23	0 40	19 34	0 34	21 34	1 17	13 18	13 41	19 8		n.a.
W 6	8 12	27 45	4 45	5 32	0 36	1 39	0 26	17 39	1 23	17 6	0 27	1 4	2 51	2 21	0 40	19 34	0 34	21 34	1 17	13 16	13 39	19 6		n.a.
T 7	7 50	25 42	5 4	4 47	0 29	2 11	0 23	17 52	1 24	17 8	0 27	1 5	2 51	2 20	0 40	19 33	0 34	21 34	1 17	13 14	13 38	19 3		n.a.
F 8	7 27	21 50	5 2	4 3	0 23	2 43	0 21	18 5	1 24	17 11	0 27	1 7	2 51	2 18	0 40	19 33	0 34	21 34	1 17	13 11	13 37	19 1		n.a.
S 9	7 4	16 29	4 39	3 18	0 16	3 14	0 18	18 18	1 24	17 14	0 26	1 9	2 51	2 17	0 40	19 32	0 34	21 34	1 17	13 9	13 36	18 58		n.a.
S 10	6 41	10 6	3 57	2 33	0 9	3 46	0 15	18 31	1 25	17 16	0 26	1 11	2 51	2 15	0 40	19 32	0 34	21 35	1 17	13 6	13 35	18 56		n.a.
M11	6 18	3 12	2 58	1 49	0 3	4 18	0 13	18 44	1 25	17 19	0 26	1 13	2 52	2 14	0 40	19 31	0 35	21 35	1 16	13 4	13 34	18 53		n.a.
T 12	5 55	3s45	1 48	1 5	0s 4	4 50	0 10	18 56	1 25	17 22	0 26	1 15	2 52	2 12	0 40	19 31	0 35	21 35	1 16	13 3	13 33	18 51		n.a.
W13	5 31	10 20	0 33	0 20	0 11	5 21	0 7	19 9	1 26	17 24	0 26	1 17	2 52	2 11	0 40	19 31	0 35	21 35	1 16	13 2	13 32	18 48		n.a.
T 14	5 8	16 12	0s41	0s23	0 18	5 53	0 4	19 21	1 26	17 27	0 26	1 19	2 52	2 9	0 40	19 30	0 35	21 35	1 16	13 2	13 31	18 46		n.a.
F 15	4 44	21 5	1 51	1 7	0 25	6 24	0 1	19 33	1 26	17 30	0 25	1 20	2 52	2 8	0 40	19 30	0 35	21 35	1 16	13 2	13 30	18 43		n.a.
S 16	4 21	24 47	2 53	1 50	0 32	6 56	0s 1	19 45	1 26	17 33	0 25	1 22	2 52	2 6	0 40	19 29	0 35	21 36	1 16	13 3	13 29	18 41		n.a.
S 17	3 57	27 9	3 45	2 33	0 39	7 27	0 4	19 57	1 27	17 36	0 25	1 24	2 52	2 5	0 40	19 29	0 35	21 36	1 16	13 3	13 28	18 38		n.a.
M18	3 33	28 6	4 25	3 16	0 46	7 58	0 7	20 9	1 27	17 38	0 25	1 26	2 52	2 3	0 40	19 29	0 35	21 36	1 16	13 3	13 27	18 36		n.a.
T 19	3 10	27 42	4 53	3 58	0 53	8 28	0 10	20 20	1 27	17 41	0 25	1 28	2 52	2 2	0 40	19 28	0 35	21 36	1 15	13 2	13 26	18 33		n.a.
W20	2 46	25 59	5 7	4 40	0 59	8 59	0 13	20 31	1 27	17 44	0 25	1 30	2 52	2 0	0 40	19 28	0 35	21 36	1 15	13 0	13 25	18 31		n.a.
T 21	2 22	23 9	5 8	5 21	1 6	9 29	0 16	20 43	1 28	17 47	0 24	1 32	2 52	1 59	0 40	19 27	0 35	21 37	1 15	12 58	13 23	18 28		n.a.
F 22	1 58	19 22	4 56	6 2	1 13	9 59	0 19	20 54	1 28	17 50	0 24	1 34	2 52	1 57	0 40	19 27	0 35	21 37	1 15	12 56	13 22	18 26		n.a.
S 23	1 34	14 48	4 31	6 43	1 20	10 29	0 22	21 4	1 28	17 53	0 24	1 36	2 53	1 56	0 40	19 27	0 35	21 37	1 15	12 53	13 21	18 23		n.a.
S 24	1 10	9 40	3 54	7 23	1 26	10 59	0 25	21 15	1 28	17 56	0 24	1 38	2 53	1 54	0 40	19 26	0 35	21 37	1 15	12 51	13 20	18 21		n.a.
M25	0 46	4 8	3 6	8 2	1 32	11 29	0 28	21 25	1 28	17 59	0 24	1 40	2 53	1 53	0 40	19 26	0 35	21 37	1 15	12 49	13 19	18 18		n.a.
T 26	0 21	1n36	2 9	8 41	1 39	11 58	0 31	21 36	1 28	18 2	0 24	1 42	2 53	1 51	0 40	19 25	0 35	21 38	1 14	12 47	13 18	18 16		n.a.
W27	0s 3	7 21	1 6	9 19	1 45	12 27	0 33	21 46	1 29	18 5	0 23	1 44	2 53	1 50	0 40	19 25	0 35	21 38	1 14	12 46	13 17	18 13		n.a.
T 28	0 27	12 54	0n 2	9 56	1 51	12 55	0 36	21 55	1 29	18 8	0 23	1 46	2 53	1 48	0 40	19 25	0 35	21 38	1 14	12 46	13 16	18 10		n.a.
F 29	0 51	18 1	1 10	10 33	1 57	13 24	0 39	22 5	1 29	18 11	0 23	1 48	2 53	1 47	0 40	19 24	0 35	21 38	1 14	12 46	13 15	18 8		n.a.
S 30	1s15	22n25	2n16	11s 9	2s 2	13s52	0s42	22s14	1s29	18s14	0n23	1s50	2s53	1n45	0n40	19n24	0n35	21s39	1n14	12n47	13n14	18s 5		n.a.

Julian Day Number = 1644233.5, Delta T = 03h34m39s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'12, Lahiri = - 6°52'11 Julian Calendar 1 Sept. 212 BCE == Greg. Calendar 28 Aug. 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

OCTOBER 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 23 29	4♎ 7'00	12♊12	24♎55	5♏48	2♐39	22♏38	1°R55	27♍14	6♌39	15♐ 1	3♉24	4♉37	24♒33	n.a.	S 1
M 2	0 27 26	5° 7'11	25°36	26°15	7° 2	3°24	22°49	1♈50	27°18	6°40	15° 2	3°25	4°34	24°39	n.a.	M 2
T 3	0 31 22	6° 7'25	9♋20	27°33	8°15	4° 9	23° 0	1°45	27°22	6°42	15° 3	3°R25	4°31	24°46	n.a.	T 3
W 4	0 35 19	7° 7'41	23°23	28°50	9°29	4°54	23°12	1°40	27°26	6°43	15° 4	3°24	4°27	24°53	n.a.	W 4
T 5	0 39 16	8° 7'59	7♌45	0♏ 6	10°42	5°39	23°23	1°35	27°29	6°44	15° 5	3°22	4°24	25° 0	n.a.	T 5
F 6	0 43 12	9° 8'19	22°24	1°20	11°56	6°25	23°35	1°31	27°33	6°45	15° 6	3°19	4°21	25° 6	n.a.	F 6
S 7	0 47 9	10° 8'42	7♍13	2°32	13° 9	7°10	23°47	1°26	27°37	6°47	15° 7	3°16	4°18	25°13	n.a.	S 7
S 8	0 51 5	11° 9'06	22° 6	3°42	14°22	7°55	23°59	1°21	27°40	6°48	15° 8	3°13	4°15	25°20	n.a.	S 8
M 9	0 55 2	12° 9'32	6♎55	4°50	15°36	8°41	24°10	1°16	27°44	6°49	15° 9	3°10	4°11	25°26	n.a.	M 9
T 10	0 58 58	13°10'00	21°31	5°56	16°49	9°26	24°22	1°11	27°48	6°50	15°10	3° 9	4° 8	25°33	n.a.	T 10
W11	1 2 55	14°10'30	5♏49	6°59	18° 3	10°11	24°34	1° 7	27°51	6°51	15°11	3°D 8	4° 5	25°40	n.a.	W11
T 12	1 6 51	15°11'01	19°43	7°59	19°16	10°57	24°46	1° 2	27°55	6°52	15°12	3° 9	4° 2	25°47	n.a.	T 12
F 13	1 10 48	16°11'34	3♐12	8°56	20°29	11°43	24°59	0°57	27°59	6°53	15°14	3°10	3°59	25°53	n.a.	F 13
S 14	1 14 45	17°12'08	16°17	9°49	21°42	12°28	25°11	0°53	28° 2	6°54	15°15	3°12	3°56	26° 0	n.a.	S 14
S 15	1 18 41	18°12'44	28°58	10°37	22°56	13°14	25°23	0°48	28° 6	6°55	15°16	3°13	3°52	26° 7	n.a.	S 15
M16	1 22 38	19°13'21	11♑21	11°20	24° 9	14° 0	25°36	0°44	28°10	6°56	15°17	3°14	3°49	26°13	n.a.	M16
T 17	1 26 34	20°14'00	23°30	11°58	25°22	14°45	25°48	0°39	28°13	6°57	15°19	3°R14	3°46	26°20	n.a.	T 17
W18	1 30 31	21°14'39	5♒28	12°30	26°35	15°31	26° 0	0°35	28°17	6°58	15°20	3°13	3°43	26°27	n.a.	W18
T 19	1 34 27	22°15'20	17°21	12°55	27°48	16°17	26°13	0°31	28°20	6°59	15°22	3°12	3°40	26°34	n.a.	T 19
F 20	1 38 24	23°16'03	29°12	13°12	29° 1	17° 3	26°26	0°26	28°24	7° 0	15°23	3°11	3°37	26°40	n.a.	F 20
S 21	1 42 20	24°16'46	11♓ 7	13°R21	0♐14	17°49	26°38	0°22	28°27	7° 1	15°24	3°10	3°33	26°47	n.a.	S 21
S 22	1 46 17	25°17'31	23° 8	13°21	1°27	18°35	26°51	0°18	28°31	7° 1	15°26	3° 8	3°30	26°54	n.a.	S 22
M23	1 50 14	26°18'17	5♈17	13°10	2°40	19°21	27° 4	0°14	28°34	7° 2	15°27	3° 7	3°27	27° 0	n.a.	M23
T 24	1 54 10	27°19'04	17°38	12°50	3°53	20° 7	27°17	0°10	28°38	7° 3	15°29	3° 7	3°24	27° 7	n.a.	T 24
W25	1 58 7	28°19'53	0♉11	12°19	5° 6	20°53	27°30	0° 6	28°41	7° 3	15°30	3°D 7	3°21	27°14	n.a.	W25
T 26	2 2 3	29°20'43	12°57	11°37	6°19	21°39	27°43	0° 2	28°45	7° 4	15°32	3° 7	3°17	27°21	n.a.	T 26
F 27	2 6 0	0♏21'35	25°56	10°44	7°32	22°25	27°56	29♓58	28°48	7° 5	15°33	3° 7	3°14	27°27	n.a.	F 27
S 28	2 9 56	1°22'28	9♊ 8	9°42	8°45	23°12	28° 9	29°54	28°51	7° 5	15°35	3° 7	3°11	27°34	n.a.	S 28
S 29	2 13 53	2°23'22	22°33	8°32	9°57	23°58	28°22	29°50	28°55	7° 6	15°36	3° 7	3° 8	27°41	n.a.	S 29
M30	2 17 49	3°24'18	6♋11	7°15	11°10	24°44	28°35	29°47	28°58	7° 6	15°38	3°R 7	3° 5	27°47	n.a.	M30
T 31	2 21 46	4♏25'16	20♋ 1	5♏54	12♐23	25♐30	28♏48	29♓43	29♍ 1	7♌ 7	15♐40	3♉ 7	3♉ 2	27♒54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	1s39	25n47	3n17	11s44	2s 8	14s19	0s45	22s23	1s29	18s17	0n23	1s52	2s53	1n44	0n40	19n24	0n35	21s39	1n14	12n48	13n13	18s 3			n.a.
M 2	2 3	27 47	4 8	12 18	2 13	14 47	0 48	22 32	1 29	18 20	0 23	1 54	2 53	1 42	0 40	19 23	0 35	21 39	1 14	12 48	13 12	18 0			n.a.
T 3	2 28	28 9	4 47	12 52	2 18	15 14	0 51	22 41	1 29	18 23	0 22	1 56	2 53	1 41	0 40	19 23	0 35	21 39	1 14	12 48	13 11	17 57			n.a.
W 4	2 52	26 45	5 9	13 24	2 22	15 40	0 54	22 50	1 29	18 26	0 22	1 58	2 53	1 39	0 40	19 23	0 35	21 40	1 13	12 48	13 9	17 55			n.a.
T 5	3 16	23 35	5 13	13 55	2 26	16 6	0 57	22 58	1 29	18 29	0 22	2 0	2 53	1 38	0 40	19 23	0 35	21 40	1 13	12 47	13 8	17 52			n.a.
F 6	3 40	18 52	4 57	14 25	2 30	16 32	1 0	23 6	1 29	18 32	0 22	2 1	2 52	1 36	0 40	19 22	0 35	21 40	1 13	12 46	13 7	17 50			n.a.
S 7	4 4	12 59	4 21	14 54	2 34	16 58	1 2	23 14	1 29	18 35	0 22	2 3	2 52	1 35	0 40	19 22	0 35	21 40	1 13	12 45	13 6	17 47			n.a.
S 8	4 28	6 20	3 27	15 21	2 37	17 23	1 5	23 22	1 29	18 38	0 22	2 5	2 52	1 33	0 40	19 22	0 35	21 41	1 13	12 44	13 5	17 44			n.a.
M 9	4 52	0s39	2 20	15 47	2 40	17 47	1 8	23 29	1 29	18 41	0 22	2 7	2 52	1 32	0 40	19 21	0 35	21 41	1 13	12 43	13 4	17 42			n.a.
T 10	5 15	7 30	1 4	16 12	2 42	18 11	1 11	23 36	1 29	18 44	0 21	2 9	2 52	1 30	0 40	19 21	0 35	21 41	1 13	12 42	13 3	17 39			n.a.
W11	5 39	13 51	0s15	16 35	2 43	18 35	1 13	23 43	1 29	18 48	0 21	2 11	2 52	1 29	0 40	19 21	0 35	21 41	1 12	12 42	13 2	17 37			n.a.
T 12	6 3	19 19	1 30	16 55	2 44	18 58	1 16	23 50	1 29	18 51	0 21	2 13	2 52	1 27	0 40	19 21	0 35	21 42	1 12	12 43	13 1	17 34			n.a.
F 13	6 27	23 38	2 38	17 14	2 45	19 21	1 19	23 56	1 29	18 54	0 21	2 14	2 52	1 26	0 40	19 20	0 35	21 42	1 12	12 43	13 0	17 31			n.a.
S 14	6 50	26 35	3 36	17 31	2 44	19 43	1 21	24 2	1 29	18 57	0 21	2 16	2 52	1 24	0 40	19 20	0 35	21 42	1 12	12 43	12 59	17 29			n.a.
S 15	7 13	28 5	4 22	17 45	2 43	20 5	1 24	24 8	1 29	19 0	0 21	2 18	2 52	1 23	0 40	19 20	0 35	21 42	1 12	12 44	12 57	17 26			n.a.
M16	7 37	28 6	4 54	17 57	2 41	20 26	1 27	24 14	1 29	19 3	0 21	2 20	2 52	1 21	0 40	19 20	0 35	21 43	1 12	12 44	12 56	17 23			n.a.
T 17	8 0	26 46	5 12	18 6	2 38	20 46	1 29	24 19	1 29	19 6	0 21	2 21	2 52	1 20	0 40	19 20	0 36	21 43	1 12	12 44	12 55	17 21			n.a.
W18	8 23	24 14	5 16	18 12	2 33	21 6	1 32	24 24	1 29	19 9	0 20	2 23	2 51	1 18	0 40	19 19	0 36	21 43	1 12	12 44	12 54	17 18			n.a.
T 19	8 46	20 41	5 7	18 14	2 28	21 26	1 34	24 29	1 29	19 12	0 20	2 25	2 51	1 17	0 40	19 19	0 36	21 43	1 11	12 44	12 53	17 15			n.a.
F 20	9 9	16 19	4 44	18 13	2 21	21 45	1 36	24 34	1 29	19 16	0 20	2 26	2 51	1 16	0 40	19 19	0 36	21 44	1 11	12 43	12 52	17 13			n.a.
S 21	9 31	11 19	4 10	18 8	2 13	22 3	1 39	24 38	1 29	19 19	0 20	2 28	2 51	1 14	0 40	19 19	0 36	21 44	1 11	12 43	12 51	17 10			n.a.
S 22	9 54	5 52	3 24	17 59	2 3	22 21	1 41	24 42	1 29	19 22	0 20	2 29	2 51	1 13	0 40	19 19	0 36	21 44	1 11	12 42	12 50	17 7			n.a.
M23	10 16	0 8	2 28	17 45	1 52	22 38	1 43	24 46	1 29	19 25	0 20	2 31	2 51	1 11	0 40	19 18	0 36	21 45	1 11	12 42	12 49	17 5			n.a.
T 24	10 38	5n42	1 25	17 26	1 39	22 54	1 45	24 49	1 29	19 28	0 20	2 32	2 51	1 10	0 40	19 18	0 36	21 45	1 11	12 42	12 48	17 2			n.a.
W25	11 0	11 25	0 16	17 3	1 24	23 10	1 47	24 53	1 28	19 31	0 19	2 34	2 50	1 9	0 40	19 18	0 36	21 45	1 11	12 42	12 47	16 59			n.a.
T 26	11 22	16 46	0n54	16 34	1 8	23 25	1 49	24 56	1 28	19 34	0 19	2 35	2 50	1 7	0 40	19 18	0 36	21 45	1 11	12 42	12 45	16 56			n.a.
F 27	11 44	21 28	2 3	16 1	0 50	23 39	1 51	24 58	1 28	19 37	0 19	2 37	2 50	1 6	0 40	19 18	0 36	21 46	1 11	12 42	12 44	16 54			n.a.
S 28	12 5	25 9	3 7	15 23	0 31	23 53	1 53	25 1	1 28	19 40	0 19	2 38	2 50	1 5	0 41	19 18	0 36	21 46	1 10	12 42	12 43	16 51			n.a.
S 29	12 27	27 31	4 1	14 41	0 11	24 6	1 55	25 3	1 28	19 43	0 19	2 39	2 50	1 3	0 41	19 18	0 36	21 46	1 10	12 42	12 42	16 48			n.a.
M30	12 48	28 17	4 43	13 57	0n 9	24 19	1 57	25 5	1 28	19 46	0 19	2 41	2 50	1 2	0 41	19 18	0 36	21 47	1 10	12 42	12 41	16 46			n.a.
T 31	13s 9	27n18	5n 9	13s10	0n30	24s30	1s59	25s 6	1s27	19s49	0n19	2s42	2s49	1n 1	0n41	19n18	0n36	21s47	1n10	12n42	12n40	16s43			n.a.

Julian Day Number = 1644263.5, Delta T = 03h34m38s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'08, Lahiri = - 6°52'07 Julian Calendar 1 Oct. 212 BCE == Greg. Calendar 27 Sept. 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

NOVEMBER 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 25 43	5♏26'14	4♌ 1	4°R31	13♐35	26♐17	29♏ 1	29°R40	29♍ 5	7♌ 7	15♐41	3°D 7	2♉58	28♒ 1	n.a.	W 1
T 2	2 29 39	6°27'15	18°12	3♏10	14°48	27° 3	29°15	29♓36	29° 8	7° 8	15°43	3♉ 7	2°55	28° 8	n.a.	T 2
F 3	2 33 36	7°28'16	2♍30	1°53	16° 0	27°49	29°28	29°33	29°11	7° 8	15°45	3° 7	2°52	28°14	n.a.	F 3
S 4	2 37 32	8°29'19	16°52	0°42	17°13	28°36	29°41	29°30	29°14	7° 8	15°46	3° 8	2°49	28°21	n.a.	S 4
S 5	2 41 29	9°30'23	1♎16	29♎39	18°25	29°22	29°55	29°27	29°17	7° 9	15°48	3° 8	2°46	28°28	n.a.	S 5
M 6	2 45 25	10°31'28	15°37	28°47	19°37	0♑ 8	0♐ 8	29°24	29°20	7° 9	15°50	3° 9	2°43	28°34	n.a.	M 6
T 7	2 49 22	11°32'35	29°49	28° 5	20°50	0°55	0°22	29°21	29°23	7° 9	15°52	3°R 9	2°39	28°41	n.a.	T 7
W 8	2 53 18	12°33'42	13♏49	27°35	22° 2	1°41	0°35	29°18	29°26	7° 9	15°53	3° 9	2°36	28°48	n.a.	W 8
T 9	2 57 15	13°34'50	27°33	27°16	23°14	2°28	0°49	29°15	29°29	7° 9	15°55	3° 8	2°33	28°55	n.a.	T 9
F 10	3 1 12	14°36'00	10♐57	27°D 9	24°26	3°14	1° 2	29°12	29°32	7° 9	15°57	3° 7	2°30	29° 1	n.a.	F 10
S 11	3 5 8	15°37'09	24° 1	27°11	25°38	4° 1	1°16	29°10	29°35	7° 9	15°59	3° 5	2°27	29° 8	n.a.	S 11
S 12	3 9 5	16°38'20	6♑45	27°24	26°50	4°48	1°29	29° 7	29°38	7°10	16° 1	3° 3	2°23	29°15	n.a.	S 12
M13	3 13 1	17°39'31	19°11	27°45	28° 2	5°34	1°43	29° 5	29°41	7°R10	16° 3	3° 2	2°20	29°21	n.a.	M13
T 14	3 16 58	18°40'42	1♒22	28°14	29°14	6°21	1°57	29° 2	29°44	7°10	16° 4	3° 0	2°17	29°28	n.a.	T 14
W15	3 20 54	19°41'54	13°22	28°50	0♑26	7° 7	2°11	29° 0	29°47	7° 9	16° 6	2°59	2°14	29°35	n.a.	W15
T 16	3 24 51	20°43'05	25°15	29°33	1°37	7°54	2°24	28°58	29°49	7° 9	16° 8	2°D59	2°11	29°41	n.a.	T 16
F 17	3 28 48	21°44'18	7♓ 6	0♏22	2°49	8°41	2°38	28°56	29°52	7° 9	16°10	3° 0	2° 8	29°48	n.a.	F 17
S 18	3 32 44	22°45'30	19° 1	1°15	4° 1	9°27	2°52	28°54	29°55	7° 9	16°12	3° 1	2° 4	29°55	n.a.	S 18
S 19	3 36 41	23°46'43	1♈ 3	2°13	5°12	10°14	3° 6	28°53	29°57	7° 9	16°14	3° 3	2° 1	0♓ 2	n.a.	S 19
M20	3 40 37	24°47'56	13°17	3°15	6°23	11° 0	3°19	28°51	29°59	7° 9	16°16	3° 5	1°58	0° 8	n.a.	M20
T 21	3 44 34	25°49'09	25°46	4°20	7°35	11°47	3°33	28°49	0♎ 3	7° 8	16°18	3° 6	1°55	0°15	n.a.	T 21
W22	3 48 30	26°50'22	8♉33	5°28	8°46	12°34	3°47	28°48	0° 5	7° 8	16°20	3°R 6	1°52	0°22	n.a.	W22
T 23	3 52 27	27°51'36	21°39	6°39	9°57	13°20	4° 1	28°47	0° 7	7° 8	16°22	3° 5	1°49	0°28	n.a.	T 23
F 24	3 56 23	28°52'50	5♊ 2	7°53	11° 8	14° 7	4°15	28°45	0°10	7° 7	16°24	3° 2	1°45	0°35	n.a.	F 24
S 25	4 0 20	29°54'04	18°42	9° 8	12°19	14°54	4°29	28°44	0°12	7° 7	16°26	2°58	1°42	0°42	n.a.	S 25
S 26	4 4 17	0♐55'19	2♋36	10°25	13°30	15°40	4°43	28°43	0°15	7° 7	16°28	2°54	1°39	0°49	n.a.	S 26
M27	4 8 13	1°56'34	16°39	11°43	14°40	16°27	4°56	28°42	0°17	7° 6	16°30	2°50	1°36	0°55	n.a.	M27
T 28	4 12 10	2°57'49	0♌49	13° 3	15°51	17°14	5°10	28°42	0°19	7° 6	16°32	2°46	1°33	1° 2	n.a.	T 28
W29	4 16 6	3°59'05	15° 1	14°24	17° 1	18° 0	5°24	28°41	0°21	7° 5	16°34	2°43	1°29	1° 9	n.a.	W29
T 30	4 20 3	5♐ 0'20	29♌13	15♏47	18♑12	18♑47	5♐38	28♓40	0♎23	7♌ 4	16♐36	2°D41	1♉26	1♓15	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13 s29	24n36	5n17	12 s24	0n50	24 s41	2 s 0	25 s 7	1 s27	19 s53	0n19	2 s43	2 s49	0n59	0n41	19n17	0n36	21 s47	1n10	12n42	12n39	16 s40		n.a.
T 2	13 50	20 24	5 6	11 38	1 10	24 52	2 2	25 8	1 27	19 56	0 18	2 44	2 49	0 58	0 41	19 17	0 36	21 47	1 10	12 42	12 38	16 37		n.a.
F 3	14 10	15 0	4 37	10 54	1 28	25 1	2 3	25 9	1 27	19 59	0 18	2 45	2 49	0 57	0 41	19 17	0 36	21 48	1 10	12 42	12 37	16 35		n.a.
S 4	14 30	8 45	3 49	10 14	1 44	25 10	2 5	25 10	1 27	20 2	0 18	2 46	2 48	0 56	0 41	19 17	0 36	21 48	1 10	12 42	12 36	16 32		n.a.
S 5	14 50	2 3	2 48	9 38	1 59	25 18	2 6	25 10	1 26	20 5	0 18	2 47	2 48	0 54	0 41	19 17	0 36	21 48	1 9	12 42	12 34	16 29		n.a.
M 6	15 9	4 s45	1 36	9 8	2 11	25 26	2 7	25 10	1 26	20 8	0 18	2 49	2 48	0 53	0 41	19 17	0 36	21 49	1 9	12 43	12 33	16 26		n.a.
T 7	15 28	11 15	0 18	8 43	2 21	25 32	2 9	25 9	1 26	20 11	0 18	2 50	2 48	0 52	0 41	19 17	0 36	21 49	1 9	12 43	12 32	16 24		n.a.
W 8	15 47	17 7	0 s59	8 25	2 29	25 38	2 10	25 8	1 26	20 14	0 18	2 50	2 48	0 51	0 41	19 17	0 36	21 49	1 9	12 43	12 31	16 21		n.a.
T 9	16 6	21 58	2 11	8 13	2 35	25 43	2 11	25 7	1 25	20 16	0 18	2 51	2 47	0 50	0 41	19 17	0 36	21 50	1 9	12 42	12 30	16 18		n.a.
F 10	16 25	25 33	3 14	8 6	2 40	25 48	2 12	25 6	1 25	20 19	0 18	2 52	2 47	0 48	0 41	19 17	0 36	21 50	1 9	12 42	12 29	16 15		n.a.
S 11	16 43	27 41	4 6	8 4	2 42	25 51	2 12	25 5	1 25	20 22	0 17	2 53	2 47	0 47	0 41	19 17	0 36	21 50	1 9	12 41	12 28	16 13		n.a.
S 12	17 0	28 16	4 43	8 8	2 43	25 54	2 13	25 3	1 25	20 25	0 17	2 54	2 47	0 46	0 41	19 17	0 36	21 50	1 9	12 41	12 27	16 10		n.a.
M13	17 18	27 23	5 7	8 16	2 43	25 56	2 14	25 0	1 24	20 28	0 17	2 55	2 46	0 45	0 41	19 17	0 36	21 51	1 9	12 40	12 26	16 7		n.a.
T 14	17 35	25 13	5 16	8 28	2 41	25 58	2 14	24 58	1 24	20 31	0 17	2 55	2 46	0 44	0 41	19 17	0 36	21 51	1 8	12 39	12 25	16 4		n.a.
W15	17 52	21 57	5 11	8 43	2 39	25 58	2 15	24 55	1 24	20 34	0 17	2 56	2 46	0 43	0 41	19 17	0 36	21 51	1 8	12 39	12 23	16 1		n.a.
T 16	18 9	17 50	4 52	9 1	2 35	25 58	2 15	24 52	1 23	20 37	0 17	2 56	2 46	0 42	0 41	19 17	0 36	21 52	1 8	12 39	12 22	15 59		n.a.
F 17	18 25	13 3	4 22	9 23	2 31	25 57	2 16	24 49	1 23	20 40	0 17	2 57	2 45	0 41	0 41	19 17	0 37	21 52	1 8	12 39	12 21	15 56		n.a.
S 18	18 41	7 45	3 40	9 46	2 26	25 55	2 16	24 45	1 23	20 42	0 17	2 58	2 45	0 40	0 41	19 18	0 37	21 52	1 8	12 40	12 20	15 53		n.a.
S 19	18 56	2 8	2 47	10 11	2 21	25 53	2 16	24 42	1 22	20 45	0 17	2 58	2 45	0 39	0 41	19 18	0 37	21 53	1 8	12 40	12 19	15 50		n.a.
M20	19 12	3n40	1 47	10 38	2 15	25 50	2 16	24 37	1 22	20 48	0 16	2 58	2 45	0 38	0 41	19 18	0 37	21 53	1 8	12 41	12 18	15 47		n.a.
T 21	19 26	9 27	0 40	11 6	2 9	25 46	2 16	24 33	1 22	20 51	0 16	2 59	2 44	0 37	0 41	19 18	0 37	21 53	1 8	12 41	12 17	15 45		n.a.
W22	19 41	15 0	0n30	11 35	2 2	25 41	2 15	24 28	1 21	20 54	0 16	2 59	2 44	0 36	0 41	19 18	0 37	21 53	1 8	12 41	12 16	15 42		n.a.
T 23	19 55	20 0	1 40	12 5	1 55	25 35	2 15	24 23	1 21	20 56	0 16	2 59	2 44	0 35	0 41	19 18	0 37	21 54	1 7	12 41	12 15	15 39		n.a.
F 24	20 9	24 7	2 46	12 36	1 48	25 29	2 15	24 18	1 21	20 59	0 16	3 0	2 43	0 34	0 41	19 18	0 37	21 54	1 7	12 40	12 13	15 36		n.a.
S 25	20 22	26 58	3 44	13 7	1 41	25 22	2 14	24 12	1 20	21 2	0 16	3 0	2 43	0 33	0 41	19 18	0 37	21 54	1 7	12 39	12 12	15 33		n.a.
S 26	20 35	28 12	4 30	13 38	1 33	25 14	2 13	24 7	1 20	21 4	0 16	3 0	2 43	0 32	0 41	19 18	0 37	21 55	1 7	12 37	12 11	15 31		n.a.
M27	20 48	27 38	5 0	14 10	1 26	25 6	2 13	24 1	1 19	21 7	0 16	3 0	2 43	0 31	0 41	19 19	0 37	21 55	1 7	12 36	12 10	15 28		n.a.
T 28	21 0	25 17	5 12	14 42	1 18	24 57	2 12	23 54	1 19	21 10	0 16	3 0	2 42	0 30	0 41	19 19	0 37	21 55	1 7	12 34	12 9	15 25		n.a.
W29	21 12	21 22	5 5	15 14	1 11	24 47	2 11	23 48	1 19	21 12	0 15	3 0	2 42	0 29	0 41	19 19	0 37	21 56	1 7	12 33	12 8	15 22		n.a.
T 30	21 s23	16n14	4n40	15 s45	1n 3	24 s37	2 s10	23 s41	1 s18	21 s15	0n15	3 s 0	2 s42	0n28	0n41	19n19	0n37	21 s56	1n 7	12n33	12n 7	15 s19		n.a.

Julian Day Number = 1644294.5, Delta T = 03h34m37s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'04, Lahiri = - 6°52'03 Julian Calendar 1 Nov. 212 BCE == Greg. Calendar 28 Oct. 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 212 BCE
geocentric

DECEMBER 212 BCE (-211) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 23 59	6♐ 1'37	13♍22	17♏10	19♉22	19♉34	5♐52	28°R40	0♎26	7°R 4	16♐38	2♉41	1♉23	1♓22	n.a.	F 1
S 2	4 27 56	7° 2'53	27°26	18°34	20°32	20°20	6° 6	28♓40	0°28	7♑ 3	16°40	2°43	1°20	1°29	n.a.	S 2
S 3	4 31 52	8° 4'10	11♎25	20° 0	21°42	21° 7	6°20	28°39	0°30	7° 3	16°42	2°44	1°17	1°35	n.a.	S 3
M 4	4 35 49	9° 5'26	25°17	21°25	22°52	21°53	6°34	28°D39	0°32	7° 2	16°44	2°45	1°14	1°42	n.a.	M 4
T 5	4 39 46	10° 6'43	9♏ 0	22°52	24° 1	22°40	6°48	28°39	0°33	7° 1	16°46	2°R45	1°10	1°49	n.a.	T 5
W 6	4 43 42	11° 8'00	22°34	24°19	25°11	23°27	7° 2	28°39	0°35	7° 0	16°48	2°44	1° 7	1°56	n.a.	W 6
T 7	4 47 39	12° 9'17	5♐56	25°47	26°20	24°13	7°16	28°40	0°37	7° 0	16°50	2°40	1° 4	2° 2	n.a.	T 7
F 8	4 51 35	13°10'34	19° 4	27°15	27°30	25° 0	7°29	28°40	0°39	6°59	16°52	2°34	1° 1	2° 9	n.a.	F 8
S 9	4 55 32	14°11'50	1♑58	28°44	28°39	25°47	7°43	28°40	0°41	6°58	16°54	2°27	0°58	2°16	n.a.	S 9
S 10	4 59 28	15°13'06	14°36	0♐14	29°48	26°33	7°57	28°41	0°42	6°57	16°56	2°19	0°55	2°22	n.a.	S 10
M11	5 3 25	16°14'21	27° 0	1°44	0♒57	27°20	8°11	28°42	0°44	6°56	16°58	2°10	0°51	2°29	n.a.	M11
T 12	5 7 22	17°15'36	9♒10	3°14	2° 5	28° 6	8°25	28°43	0°45	6°55	17° 0	2° 3	0°48	2°36	n.a.	T 12
W13	5 11 18	18°16'49	21° 9	4°45	3°14	28°53	8°39	28°43	0°47	6°54	17° 3	1°57	0°45	2°43	n.a.	W13
T 14	5 15 15	19°18'02	3♓ 2	6°17	4°22	29°39	8°53	28°45	0°48	6°53	17° 5	1°53	0°42	2°49	n.a.	T 14
F 15	5 19 11	20°19'15	14°52	7°49	5°30	0♒26	9° 6	28°46	0°50	6°52	17° 7	1°52	0°39	2°56	n.a.	F 15
S 16	5 23 8	21°20'26	26°45	9°22	6°38	1°12	9°20	28°47	0°51	6°51	17° 9	1°D52	0°35	3° 3	n.a.	S 16
S 17	5 27 4	22°21'36	8♈45	10°55	7°46	1°59	9°34	28°48	0°52	6°50	17°11	1°53	0°32	3° 9	n.a.	S 17
M18	5 31 1	23°22'46	20°58	12°28	8°53	2°45	9°48	28°50	0°53	6°49	17°13	1°54	0°29	3°16	n.a.	M18
T 19	5 34 57	24°23'55	3♉30	14° 2	10° 0	3°32	10° 1	28°51	0°55	6°48	17°15	1°R54	0°26	3°23	n.a.	T 19
W20	5 38 54	25°25'02	16°22	15°37	11° 7	4°18	10°15	28°53	0°56	6°47	17°17	1°53	0°23	3°29	n.a.	W20
T 21	5 42 51	26°26'09	29°39	17°12	12°14	5° 5	10°29	28°55	0°57	6°46	17°19	1°50	0°20	3°36	n.a.	T 21
F 22	5 46 47	27°27'15	13♊21	18°47	13°21	5°51	10°43	28°57	0°58	6°44	17°21	1°44	0°16	3°43	n.a.	F 22
S 23	5 50 44	28°28'20	27°25	20°24	14°27	6°37	10°56	28°59	0°59	6°43	17°23	1°36	0°13	3°50	n.a.	S 23
S 24	5 54 40	29°29'24	11♋47	22° 0	15°33	7°24	11°10	29° 1	1° 0	6°42	17°25	1°27	0°10	3°56	n.a.	S 24
M25	5 58 37	0♑30'27	26°21	23°38	16°39	8°10	11°23	29° 3	1° 1	6°41	17°27	1°17	0° 7	4° 3	n.a.	M25
T 26	6 2 33	1°31'29	10♌59	25°16	17°45	8°56	11°37	29° 6	1° 1	6°40	17°29	1° 8	0° 4	4°10	n.a.	T 26
W27	6 6 30	2°32'31	25°35	26°55	18°50	9°43	11°50	29° 8	1° 2	6°38	17°31	1° 1	0° 1	4°16	n.a.	W27
T 28	6 10 27	3°33'31	10♍ 3	28°34	19°55	10°29	12° 4	29°11	1° 3	6°37	17°33	0°56	29♈57	4°23	n.a.	T 28
F 29	6 14 23	4°34'31	24°18	0♑14	21° 0	11°15	12°17	29°13	1° 3	6°36	17°35	0°53	29°54	4°30	n.a.	F 29
S 30	6 18 20	5°35'30	8♎19	1°54	22° 4	12° 1	12°31	29°16	1° 4	6°34	17°37	0°D53	29°51	4°36	n.a.	S 30
S 31	6 22 16	6♑36'28	22♎ 5	3♑36	23♒ 8	12♒47	12♐44	29♓19	1♎ 5	6♌33	17♐39	0♉53	29♈48	4♓43	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21 s34	10n15	3n57	16 s17	0n55	24 s25	2 s 8	23 s34	1 s18	21 s17	0n15	3 s 0	2 s41	0n28	0n41	19n19	0n37	21 s56	1n 7	12n33	12n 6	15 s16		n.a.
S 2	21 45	3 47	3 1	16 48	0 48	24 13	2 7	23 26	1 17	21 20	0 15	3 0	2 41	0 27	0 41	19 19	0 37	21 57	1 7	12 33	12 5	15 13		n.a.
S 3	21 55	2 s50	1 54	17 19	0 40	24 1	2 6	23 19	1 17	21 22	0 15	3 0	2 41	0 26	0 41	19 20	0 37	21 57	1 6	12 34	12 3	15 11		n.a.
M 4	22 4	9 16	0 41	17 49	0 32	23 48	2 4	23 11	1 16	21 25	0 15	3 0	2 41	0 25	0 41	19 20	0 37	21 57	1 6	12 34	12 2	15 8		n.a.
T 5	22 14	15 12	0 s34	18 19	0 25	23 34	2 2	23 2	1 16	21 27	0 15	2 59	2 40	0 24	0 41	19 20	0 37	21 57	1 6	12 34	12 1	15 5		n.a.
W 6	22 23	20 20	1 46	18 48	0 17	23 19	2 0	22 54	1 16	21 30	0 15	2 59	2 40	0 24	0 41	19 20	0 37	21 58	1 6	12 34	12 0	15 2		n.a.
T 7	22 31	24 21	2 50	19 16	0 10	23 4	1 59	22 45	1 15	21 32	0 15	2 59	2 40	0 23	0 41	19 20	0 37	21 58	1 6	12 32	11 59	14 59		n.a.
F 8	22 39	27 0	3 44	19 44	0 3	22 49	1 56	22 36	1 15	21 35	0 15	2 58	2 39	0 22	0 42	19 21	0 37	21 58	1 6	12 30	11 58	14 56		n.a.
S 9	22 46	28 9	4 26	20 11	0 s 5	22 32	1 54	22 27	1 14	21 37	0 14	2 58	2 39	0 22	0 42	19 21	0 37	21 59	1 6	12 28	11 57	14 53		n.a.
S 10	22 54	27 47	4 54	20 38	0 12	22 15	1 52	22 18	1 14	21 39	0 14	2 57	2 39	0 21	0 42	19 21	0 37	21 59	1 6	12 25	11 56	14 50		n.a.
M11	23 0	26 1	5 7	21 3	0 19	21 58	1 50	22 8	1 13	21 42	0 14	2 57	2 39	0 20	0 42	19 21	0 37	21 59	1 6	12 22	11 54	14 47		n.a.
T 12	23 6	23 5	5 6	21 28	0 26	21 40	1 47	21 58	1 13	21 44	0 14	2 56	2 38	0 20	0 42	19 22	0 37	22 0	1 6	12 20	11 53	14 45		n.a.
W13	23 12	19 12	4 51	21 52	0 32	21 21	1 44	21 48	1 12	21 46	0 14	2 55	2 38	0 19	0 42	19 22	0 37	22 0	1 6	12 18	11 52	14 42		n.a.
T 14	23 17	14 36	4 24	22 15	0 39	21 2	1 42	21 38	1 12	21 49	0 14	2 55	2 38	0 19	0 42	19 22	0 37	22 0	1 5	12 16	11 51	14 39		n.a.
F 15	23 22	9 30	3 46	22 37	0 45	20 43	1 39	21 27	1 11	21 51	0 14	2 54	2 37	0 18	0 42	19 23	0 37	22 0	1 5	12 16	11 50	14 36		n.a.
S 16	23 26	4 1	2 58	22 58	0 51	20 23	1 36	21 17	1 11	21 53	0 14	2 53	2 37	0 18	0 42	19 23	0 37	22 1	1 5	12 16	11 49	14 33		n.a.
S 17	23 30	1n39	2 1	23 17	0 57	20 2	1 33	21 6	1 10	21 55	0 14	2 52	2 37	0 17	0 42	19 23	0 37	22 1	1 5	12 16	11 48	14 30		n.a.
M18	23 33	7 23	0 59	23 36	1 3	19 41	1 29	20 54	1 10	21 58	0 14	2 52	2 36	0 17	0 42	19 23	0 37	22 1	1 5	12 16	11 47	14 27		n.a.
T 19	23 36	12 58	0n 9	23 53	1 9	19 20	1 26	20 43	1 9	22 0	0 14	2 51	2 36	0 16	0 42	19 24	0 37	22 2	1 5	12 17	11 45	14 24		n.a.
W20	23 39	18 9	1 17	24 10	1 14	18 58	1 22	20 31	1 9	22 2	0 13	2 50	2 36	0 16	0 42	19 24	0 38	22 2	1 5	12 16	11 44	14 21		n.a.
T 21	23 40	22 39	2 23	24 25	1 19	18 35	1 19	20 19	1 8	22 4	0 13	2 49	2 36	0 16	0 42	19 24	0 38	22 2	1 5	12 15	11 43	14 18		n.a.
F 22	23 42	26 2	3 23	24 38	1 24	18 12	1 15	20 7	1 8	22 6	0 13	2 48	2 35	0 15	0 42	19 25	0 38	22 2	1 5	12 13	11 42	14 15		n.a.
S 23	23 43	27 54	4 12	24 51	1 29	17 49	1 11	19 55	1 7	22 8	0 13	2 47	2 35	0 15	0 42	19 25	0 38	22 3	1 5	12 10	11 41	14 12		n.a.
S 24	23 43	27 57	4 46	25 2	1 33	17 26	1 7	19 43	1 7	22 10	0 13	2 45	2 35	0 14	0 42	19 25	0 38	22 3	1 5	12 7	11 40	14 9		n.a.
M25	23 43	26 5	5 3	25 11	1 37	17 2	1 3	19 30	1 6	22 12	0 13	2 44	2 34	0 14	0 42	19 26	0 38	22 3	1 4	12 3	11 39	14 7		n.a.
T 26	23 43	22 28	4 59	25 19	1 41	16 37	0 59	19 17	1 5	22 14	0 13	2 43	2 34	0 14	0 42	19 26	0 38	22 4	1 4	12 0	11 38	14 4		n.a.
W27	23 42	17 28	4 37	25 26	1 45	16 13	0 54	19 4	1 5	22 16	0 13	2 42	2 34	0 14	0 42	19 26	0 38	22 4	1 4	11 58	11 36	14 1		n.a.
T 28	23 40	11 32	3 56	25 31	1 48	15 48	0 50	18 51	1 4	22 18	0 13	2 40	2 34	0 13	0 42	19 27	0 38	22 4	1 4	11 56	11 35	13 58		n.a.
F 29	23 39	5 4	3 2	25 34	1 51	15 23	0 45	18 38	1 4	22 20	0 13	2 39	2 33	0 13	0 42	19 27	0 38	22 4	1 4	11 55	11 34	13 55		n.a.
S 30	23 36	1 s33	1 57	25 36	1 54	14 57	0 40	18 24	1 3	22 21	0 12	2 38	2 33	0 13	0 42	19 28	0 38	22 5	1 4	11 55	11 33	13 52		n.a.
S 31	23 s33	7 s59	0n47	25 s36	1 s56	14 s31	0 s35	18 s10	1 s 3	22 s23	0n12	2 s36	2 s33	0n13	0n42	19n28	0n38	22 s 5	1n 4	11n55	11n32	13 s49		n.a.

Julian Day Number = 1644324.5, Delta T = 03h34m36s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°59'00, Lahiri = - 6°51'59 Julian Calendar 1 Dec. 212 BCE == Greg. Calendar 27 Nov. 212 BCE

The year -211 astronomical counting style corresponds to year 212 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

JANUARY 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 26 13	7♑37'25	5♏38	5♑18	24♒12	13♒34	12♐57	29♓22	1♎ 5	6°R31	17♐41	0°R54	29♈45	4♓50	n.a.	M 1
T 2	6 30 9	8°38'22	18°59	7° 1	25°15	14°20	13°11	29°25	1° 5	6♌30	17°43	0♉52	29°41	4°57	n.a.	T 2
W 3	6 34 6	9°39'17	2♐ 8	8°44	26°19	15° 6	13°24	29°28	1° 6	6°29	17°45	0°48	29°38	5° 3	n.a.	W 3
T 4	6 38 2	10°40'12	15° 6	10°28	27°21	15°52	13°37	29°32	1° 6	6°27	17°47	0°41	29°35	5°10	n.a.	T 4
F 5	6 41 59	11°41'05	27°54	12°13	28°24	16°38	13°50	29°35	1° 6	6°26	17°49	0°31	29°32	5°17	n.a.	F 5
S 6	6 45 56	12°41'57	10♑30	13°59	29°26	17°24	14° 3	29°38	1° 6	6°24	17°51	0°19	29°29	5°23	n.a.	S 6
S 7	6 49 52	13°42'47	22°56	15°45	0♓28	18°10	14°16	29°42	1° 7	6°23	17°53	0° 6	29°26	5°30	n.a.	S 7
M 8	6 53 49	14°43'36	5♒11	17°32	1°29	18°56	14°29	29°46	1° 7	6°21	17°55	29♈52	29°22	5°37	n.a.	M 8
T 9	6 57 45	15°44'24	17°16	19°19	2°30	19°42	14°42	29°49	1°R 7	6°20	17°56	29°39	29°19	5°43	n.a.	T 9
W10	7 1 42	16°45'10	29°13	21° 8	3°30	20°28	14°55	29°53	1° 7	6°18	17°58	29°28	29°16	5°50	n.a.	W10
T 11	7 5 38	17°45'54	11♓ 4	22°56	4°30	21°13	15° 8	29°57	1° 6	6°16	18° 0	29°20	29°13	5°57	n.a.	T 11
F 12	7 9 35	18°46'36	22°52	24°46	5°30	21°59	15°21	0♈ 1	1° 6	6°15	18° 2	29°14	29°10	6° 4	n.a.	F 12
S 13	7 13 31	19°47'17	4♈42	26°35	6°29	22°45	15°34	0° 6	1° 6	6°13	18° 4	29°12	29° 7	6°10	n.a.	S 13
S 14	7 17 28	20°47'56	16°40	28°25	7°27	23°31	15°46	0°10	1° 6	6°12	18° 6	29°11	29° 3	6°17	n.a.	S 14
M15	7 21 25	21°48'33	28°50	0♒15	8°25	24°16	15°59	0°14	1° 5	6°10	18° 7	29°11	29° 0	6°24	n.a.	M15
T 16	7 25 21	22°49'08	11♉17	2° 6	9°23	25° 2	16°11	0°19	1° 5	6° 8	18° 9	29°11	28°57	6°30	n.a.	T 16
W17	7 29 18	23°49'41	24° 8	3°56	10°20	25°48	16°24	0°23	1° 5	6° 7	18°11	29° 9	28°54	6°37	n.a.	W17
T 18	7 33 14	24°50'12	7♊26	5°45	11°16	26°33	16°36	0°28	1° 4	6° 5	18°13	29° 4	28°51	6°44	n.a.	T 18
F 19	7 37 11	25°50'42	21°12	7°34	12°12	27°19	16°49	0°32	1° 4	6° 4	18°14	28°57	28°47	6°50	n.a.	F 19
S 20	7 41 7	26°51'09	5♋27	9°22	13° 7	28° 4	17° 1	0°37	1° 3	6° 2	18°16	28°48	28°44	6°57	n.a.	S 20
S 21	7 45 4	27°51'35	20° 6	11° 9	14° 2	28°50	17°13	0°42	1° 2	6° 0	18°18	28°37	28°41	7° 4	n.a.	S 21
M22	7 49 0	28°51'59	5♌ 2	12°54	14°56	29°35	17°25	0°47	1° 2	5°59	18°19	28°25	28°38	7°11	n.a.	M22
T 23	7 52 57	29°52'21	20° 6	14°37	15°49	0♓21	17°37	0°52	1° 1	5°57	18°21	28°13	28°35	7°17	n.a.	T 23
W24	7 56 54	0♒52'41	5♍ 8	16°17	16°41	1° 6	17°49	0°57	1° 0	5°55	18°23	28° 4	28°32	7°24	n.a.	W24
T 25	8 0 50	1°53'00	19°58	17°55	17°33	1°51	18° 1	1° 2	0°59	5°54	18°24	27°58	28°28	7°31	n.a.	T 25
F 26	8 4 47	2°53'16	4♎31	19°28	18°24	2°36	18°13	1° 7	0°58	5°52	18°26	27°54	28°25	7°37	n.a.	F 26
S 27	8 8 43	3°53'32	18°42	20°58	19°14	3°22	18°25	1°13	0°57	5°50	18°27	27°53	28°22	7°44	n.a.	S 27
S 28	8 12 40	4°53'46	2♏32	22°23	20° 4	4° 7	18°37	1°18	0°56	5°49	18°29	27°53	28°19	7°51	n.a.	S 28
M29	8 16 36	5°53'58	16° 0	23°42	20°52	4°52	18°48	1°24	0°55	5°47	18°31	27°52	28°16	7°57	n.a.	M29
T 30	8 20 33	6°54'08	29°10	24°55	21°40	5°37	19° 0	1°29	0°54	5°45	18°32	27°51	28°13	8° 4	n.a.	T 30
W31	8 24 29	7♒54'17	12♐ 5	26♒ 1	22♓26	6♓22	19♐11	1♈35	0♎53	5♌44	18♐34	27♈47	28♈ 9	8♓11	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23 s30	13 s57	0 s25	25 s35	1 s58	14 s 5	0 s30	17 s56	1 s 2	22 s25	0n12	2 s35	2 s32	0n13	0n42	19n28	0n38	22 s 5	1n 4	11n55	11n31	13 s46			n.a.
T 2	23 26	19 11	1 35	25 31	1 59	13 39	0 25	17 42	1 2	22 27	0 12	2 33	2 32	0 13	0 42	19 29	0 38	22 5	1 4	11 55	11 30	13 43			n.a.
W 3	23 22	23 24	2 38	25 26	2 1	13 13	0 20	17 28	1 1	22 29	0 12	2 32	2 32	0 12	0 42	19 29	0 38	22 6	1 4	11 53	11 29	13 40			n.a.
T 4	23 17	26 23	3 32	25 19	2 1	12 46	0 15	17 14	1 0	22 30	0 12	2 30	2 32	0 12	0 42	19 30	0 38	22 6	1 4	11 51	11 27	13 37			n.a.
F 5	23 12	27 56	4 14	25 10	2 2	12 19	0 9	16 59	1 0	22 32	0 12	2 29	2 31	0 12	0 42	19 30	0 38	22 6	1 4	11 47	11 26	13 34			n.a.
S 6	23 7	28 0	4 43	25 0	2 2	11 52	0 4	16 44	0 59	22 34	0 12	2 27	2 31	0 12	0 43	19 30	0 38	22 6	1 3	11 43	11 25	13 31			n.a.
S 7	23 0	26 39	4 58	24 47	2 1	11 24	0n 2	16 30	0 59	22 35	0 12	2 25	2 31	0 12	0 43	19 31	0 38	22 7	1 3	11 38	11 24	13 28			n.a.
M 8	22 54	24 1	4 59	24 32	2 0	10 57	0 8	16 15	0 58	22 37	0 12	2 24	2 31	0 12	0 43	19 31	0 38	22 7	1 3	11 33	11 23	13 25			n.a.
T 9	22 47	20 23	4 47	24 16	1 58	10 29	0 14	15 59	0 57	22 39	0 12	2 22	2 30	0 12	0 43	19 32	0 38	22 7	1 3	11 29	11 22	13 22			n.a.
W10	22 40	15 57	4 22	23 57	1 56	10 2	0 20	15 44	0 57	22 40	0 11	2 20	2 30	0 12	0 43	19 32	0 38	22 7	1 3	11 25	11 21	13 19			n.a.
T 11	22 32	10 58	3 45	23 37	1 54	9 34	0 26	15 29	0 56	22 42	0 11	2 18	2 30	0 12	0 43	19 32	0 38	22 8	1 3	11 22	11 19	13 16			n.a.
F 12	22 23	5 36	2 59	23 14	1 50	9 6	0 33	15 13	0 56	22 43	0 11	2 16	2 29	0 12	0 43	19 33	0 38	22 8	1 3	11 20	11 18	13 13			n.a.
S 13	22 15	0 2	2 6	22 50	1 46	8 38	0 39	14 58	0 55	22 45	0 11	2 14	2 29	0 13	0 43	19 33	0 38	22 8	1 3	11 19	11 17	13 10			n.a.
S 14	22 6	5n37	1 6	22 23	1 42	8 10	0 46	14 42	0 54	22 46	0 11	2 12	2 29	0 13	0 43	19 34	0 38	22 8	1 3	11 19	11 16	13 7			n.a.
M15	21 56	11 9	0 2	21 55	1 37	7 42	0 52	14 26	0 54	22 48	0 11	2 10	2 29	0 13	0 43	19 34	0 38	22 9	1 3	11 19	11 15	13 4			n.a.
T 16	21 46	16 24	1n 4	21 24	1 31	7 14	0 59	14 10	0 53	22 49	0 11	2 8	2 28	0 13	0 43	19 34	0 38	22 9	1 3	11 19	11 14	13 1			n.a.
W17	21 36	21 5	2 8	20 52	1 25	6 46	1 6	13 54	0 52	22 50	0 11	2 6	2 28	0 13	0 43	19 35	0 38	22 9	1 3	11 18	11 13	12 58			n.a.
T 18	21 25	24 53	3 7	20 18	1 17	6 18	1 13	13 37	0 52	22 52	0 11	2 4	2 28	0 13	0 43	19 35	0 38	22 9	1 2	11 16	11 11	12 55			n.a.
F 19	21 14	27 23	3 58	19 43	1 9	5 50	1 20	13 21	0 51	22 53	0 11	2 2	2 28	0 14	0 43	19 36	0 38	22 10	1 2	11 14	11 10	12 52			n.a.
S 20	21 2	28 12	4 36	19 6	1 1	5 22	1 28	13 4	0 51	22 54	0 11	2 0	2 28	0 14	0 43	19 36	0 38	22 10	1 2	11 10	11 9	12 49			n.a.
S 21	20 50	27 5	4 57	18 27	0 51	4 54	1 35	12 48	0 50	22 56	0 10	1 58	2 27	0 14	0 43	19 37	0 38	22 10	1 2	11 6	11 8	12 46			n.a.
M22	20 38	24 3	4 58	17 48	0 41	4 26	1 42	12 31	0 49	22 57	0 10	1 56	2 27	0 15	0 43	19 37	0 38	22 10	1 2	11 2	11 7	12 43			n.a.
T 23	20 25	19 21	4 39	17 7	0 30	3 58	1 50	12 14	0 49	22 58	0 10	1 53	2 27	0 15	0 43	19 37	0 38	22 10	1 2	10 58	11 6	12 39			n.a.
W24	20 12	13 27	4 0	16 26	0 19	3 31	1 58	11 58	0 48	22 59	0 10	1 51	2 27	0 15	0 43	19 38	0 38	22 11	1 2	10 55	11 5	12 36			n.a.
T 25	19 59	6 51	3 6	15 45	0 7	3 3	2 5	11 41	0 47	23 0	0 10	1 49	2 26	0 16	0 43	19 38	0 38	22 11	1 2	10 52	11 3	12 33			n.a.
F 26	19 45	0 1	2 0	15 3	0n 6	2 36	2 13	11 24	0 47	23 2	0 10	1 47	2 26	0 16	0 43	19 39	0 38	22 11	1 2	10 51	11 2	12 30			n.a.
S 27	19 31	6 s40	0 48	14 22	0 20	2 9	2 21	11 7	0 46	23 3	0 10	1 44	2 26	0 16	0 43	19 39	0 38	22 11	1 2	10 51	11 1	12 27			n.a.
S 28	19 16	12 53	0 s25	13 41	0 34	1 42	2 29	10 49	0 46	23 4	0 10	1 42	2 26	0 17	0 43	19 40	0 38	22 12	1 2	10 51	11 0	12 24			n.a.
M29	19 1	18 20	1 34	13 2	0 48	1 15	2 37	10 32	0 45	23 5	0 10	1 40	2 25	0 17	0 43	19 40	0 38	22 12	1 2	10 50	10 59	12 21			n.a.
T 30	18 46	22 46	2 37	12 23	1 3	0 49	2 45	10 15	0 44	23 6	0 10	1 37	2 25	0 18	0 43	19 40	0 38	22 12	1 2	10 50	10 58	12 18			n.a.
W31	18 s30	25 s59	3 s31	11 s47	1n18	0 s23	2n54	9 s57	0 s44	23 s 7	0n10	1 s35	2 s25	0n18	0n43	19n41	0n38	22 s12	1n 2	10n48	10n57	12 s15			n.a.

Julian Day Number = 1644355.5, Delta T = 03h34m35s
Ecliptic obliquity = 23°43'22, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'55, Lahiri = - 6°51'55 Julian Calendar 1 Jan. 211 BCE == Greg. Calendar 28 Dec. 212 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

FEBRUARY 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 28 26	8♒54'25	24♐46	27♒ 1	23♓12	7♓ 7	19♐23	1♈40	0°R52	5°R42	18♐35	27°R40	28♈ 6	8♓17	n.a.	T 1
F 2	8 32 23	9°54'30	7♉16	27°52	23°57	7°52	19°34	1°46	0♎51	5♌40	18°36	27♈30	28° 3	8°24	n.a.	F 2
S 3	8 36 19	10°54'34	19°36	28°36	24°41	8°37	19°45	1°52	0°49	5°39	18°38	27°18	28° 0	8°31	n.a.	S 3
S 4	8 40 16	11°54'36	1♒48	29°11	25°24	9°22	19°56	1°58	0°48	5°37	18°39	27° 4	27°57	8°38	n.a.	S 4
M 5	8 44 12	12°54'35	13°52	29°37	26° 5	10° 7	20° 7	2° 4	0°47	5°35	18°41	26°50	27°53	8°44	n.a.	M 5
T 6	8 48 9	13°54'33	25°50	29°54	26°46	10°52	20°18	2°10	0°45	5°34	18°42	26°37	27°50	8°51	n.a.	T 6
W 7	8 52 5	14°54'28	7♓42	0°R 2	27°25	11°36	20°29	2°16	0°44	5°32	18°43	26°26	27°47	8°58	n.a.	W 7
T 8	8 56 2	15°54'22	19°31	0♓ 2	28° 3	12°21	20°40	2°22	0°42	5°30	18°45	26°17	27°44	9° 4	n.a.	T 8
F 9	8 59 58	16°54'13	1♈19	29♒52	28°40	13° 6	20°50	2°28	0°41	5°29	18°46	26°12	27°41	9°11	n.a.	F 9
S 10	9 3 55	17°54'01	13°10	29°34	29°16	13°50	21° 1	2°35	0°39	5°27	18°47	26° 9	27°38	9°18	n.a.	S 10
S 11	9 7 52	18°53'48	25° 7	29° 8	29°50	14°35	21°11	2°41	0°37	5°25	18°48	26°D 8	27°34	9°24	n.a.	S 11
M12	9 11 48	19°53'32	7♉15	28°35	0♈22	15°19	21°21	2°47	0°36	5°24	18°50	26° 8	27°31	9°31	n.a.	M12
T 13	9 15 45	20°53'14	19°39	27°56	0°54	16° 4	21°32	2°54	0°34	5°22	18°51	26°R 9	27°28	9°38	n.a.	T 13
W14	9 19 41	21°52'53	2♊25	27°11	1°23	16°48	21°42	3° 0	0°32	5°21	18°52	26° 8	27°25	9°44	n.a.	W14
T 15	9 23 38	22°52'30	15°37	26°21	1°51	17°33	21°52	3° 7	0°30	5°19	18°53	26° 6	27°22	9°51	n.a.	T 15
F 16	9 27 34	23°52'05	29°18	25°29	2°17	18°17	22° 2	3°14	0°29	5°17	18°54	26° 1	27°19	9°58	n.a.	F 16
S 17	9 31 31	24°51'38	13♋29	24°34	2°42	19° 1	22°11	3°20	0°27	5°16	18°55	25°54	27°15	10° 4	n.a.	S 17
S 18	9 35 27	25°51'08	28° 8	23°39	3° 5	19°46	22°21	3°27	0°25	5°14	18°56	25°46	27°12	10°11	n.a.	S 18
M19	9 39 24	26°50'35	13♌10	22°44	3°25	20°30	22°31	3°34	0°23	5°13	18°57	25°36	27° 9	10°18	n.a.	M19
T 20	9 43 21	27°50'01	28°24	21°50	3°44	21°14	22°40	3°41	0°21	5°11	18°58	25°28	27° 6	10°25	n.a.	T 20
W21	9 47 17	28°49'24	13♍41	20°59	4° 1	21°58	22°49	3°47	0°19	5°10	18°59	25°20	27° 3	10°31	n.a.	W21
T 22	9 51 14	29°48'45	28°49	20°11	4°16	22°42	22°59	3°54	0°17	5° 8	19° 0	25°15	26°59	10°38	n.a.	T 22
F 23	9 55 10	0♓48'04	13♎40	19°28	4°29	23°26	23° 8	4° 1	0°15	5° 7	19° 1	25°13	26°56	10°45	n.a.	F 23
S 24	9 59 7	1°47'21	28° 8	18°49	4°39	24°10	23°17	4° 8	0°13	5° 5	19° 2	25°D12	26°53	10°51	n.a.	S 24
S 25	10 3 3	2°46'36	12♏10	18°15	4°48	24°54	23°25	4°15	0°10	5° 4	19° 3	25°13	26°50	10°58	n.a.	S 25
M26	10 7 0	3°45'50	25°45	17°47	4°54	25°38	23°34	4°22	0° 8	5° 2	19° 4	25°14	26°47	11° 5	n.a.	M26
T 27	10 10 56	4°45'01	8♐57	17°24	4°58	26°21	23°43	4°29	0° 6	5° 1	19° 4	25°R14	26°44	11°11	n.a.	T 27
W28	10 14 53	5♓44'11	21♐49	17♒ 7	4°R59	27♓ 5	23♐51	4♈37	0♎ 4	5♌ 0	19♐ 5	25♈13	26♈40	11♓18	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s15	27s50	4s13	11s12	1n33	0n 3	3n 2	9s40	0s43	23s 8	0n 9	1s32	2s25	0n19	0n43	19n41	0n38	22s12	1n 1	10n46	10n55	12s12		n.a.
F 2	17 59	28 13	4 42	10 40	1 48	0 29	3 11	9 22	0 42	23 9	0 9	1 30	2 25	0 19	0 43	19 42	0 38	22 12	1 1	10 42	10 54	12 9		n.a.
S 3	17 42	27 11	4 58	10 11	2 3	0 54	3 19	9 5	0 42	23 10	0 9	1 27	2 24	0 20	0 43	19 42	0 38	22 13	1 1	10 38	10 53	12 6		n.a.
S 4	17 25	24 51	4 59	9 45	2 17	1 19	3 28	8 47	0 41	23 11	0 9	1 25	2 24	0 20	0 43	19 43	0 38	22 13	1 1	10 33	10 52	12 3		n.a.
M 5	17 8	21 26	4 47	9 23	2 31	1 44	3 36	8 29	0 40	23 12	0 9	1 22	2 24	0 21	0 43	19 43	0 38	22 13	1 1	10 28	10 51	12 0		n.a.
T 6	16 51	17 10	4 23	9 4	2 45	2 8	3 45	8 12	0 40	23 13	0 9	1 19	2 24	0 22	0 44	19 43	0 38	22 13	1 1	10 23	10 50	11 56		n.a.
W 7	16 33	12 17	3 47	8 50	2 57	2 32	3 54	7 54	0 39	23 14	0 9	1 17	2 24	0 22	0 44	19 44	0 38	22 13	1 1	10 19	10 49	11 53		n.a.
T 8	16 15	6 58	3 1	8 39	3 9	2 56	4 3	7 36	0 38	23 15	0 9	1 14	2 23	0 23	0 44	19 44	0 38	22 14	1 1	10 16	10 47	11 50		n.a.
F 9	15 57	1 25	2 8	8 33	3 19	3 18	4 12	7 18	0 38	23 15	0 9	1 11	2 23	0 24	0 44	19 45	0 38	22 14	1 1	10 14	10 46	11 47		n.a.
S 10	15 39	4n12	1 8	8 31	3 28	3 41	4 21	7 0	0 37	23 16	0 9	1 9	2 23	0 24	0 44	19 45	0 38	22 14	1 1	10 13	10 45	11 44		n.a.
S 11	15 20	9 45	0 5	8 33	3 35	4 3	4 30	6 42	0 36	23 17	0 9	1 6	2 23	0 25	0 44	19 46	0 38	22 14	1 1	10 12	10 44	11 41		n.a.
M12	15 1	15 1	0n59	8 39	3 41	4 24	4 39	6 24	0 36	23 18	0 8	1 3	2 23	0 26	0 44	19 46	0 38	22 14	1 1	10 12	10 43	11 38		n.a.
T 13	14 42	19 49	2 2	8 49	3 45	4 45	4 48	6 6	0 35	23 19	0 8	1 1	2 23	0 26	0 44	19 46	0 38	22 14	1 1	10 13	10 42	11 35		n.a.
W14	14 23	23 51	3 1	9 3	3 47	5 5	4 57	5 48	0 34	23 19	0 8	0 58	2 22	0 27	0 44	19 47	0 38	22 15	1 1	10 12	10 40	11 32		n.a.
T 15	14 3	26 47	3 52	9 20	3 47	5 25	5 6	5 30	0 34	23 20	0 8	0 55	2 22	0 28	0 44	19 47	0 38	22 15	1 1	10 12	10 39	11 28		n.a.
F 16	13 43	28 15	4 32	9 39	3 45	5 44	5 15	5 12	0 33	23 21	0 8	0 52	2 22	0 29	0 44	19 48	0 38	22 15	1 0	10 10	10 38	11 25		n.a.
S 17	13 23	27 58	4 57	10 1	3 41	6 2	5 24	4 54	0 33	23 21	0 8	0 49	2 22	0 29	0 44	19 48	0 38	22 15	1 0	10 7	10 37	11 22		n.a.
S 18	13 3	25 44	5 4	10 25	3 35	6 19	5 33	4 35	0 32	23 22	0 8	0 47	2 22	0 30	0 44	19 48	0 38	22 15	1 0	10 4	10 36	11 19		n.a.
M19	12 43	21 42	4 50	10 50	3 28	6 36	5 42	4 17	0 31	23 23	0 8	0 44	2 22	0 31	0 44	19 49	0 38	22 15	1 0	10 1	10 35	11 16		n.a.
T 20	12 22	16 10	4 16	11 16	3 19	6 51	5 51	3 59	0 31	23 23	0 8	0 41	2 21	0 32	0 44	19 49	0 38	22 16	1 0	9 58	10 34	11 13		n.a.
W21	12 1	9 37	3 23	11 42	3 8	7 6	5 59	3 41	0 30	23 24	0 8	0 38	2 21	0 33	0 44	19 49	0 38	22 16	1 0	9 55	10 32	11 10		n.a.
T 22	11 40	2 33	2 17	12 8	2 56	7 20	6 8	3 23	0 29	23 25	0 7	0 35	2 21	0 33	0 44	19 50	0 38	22 16	1 0	9 53	10 31	11 7		n.a.
F 23	11 19	4s31	1 2	12 34	2 44	7 33	6 17	3 4	0 29	23 25	0 7	0 32	2 21	0 34	0 44	19 50	0 38	22 16	1 0	9 52	10 30	11 3		n.a.
S 24	10 58	11 11	0s16	12 59	2 30	7 45	6 25	2 46	0 28	23 26	0 7	0 29	2 21	0 35	0 44	19 51	0 38	22 16	1 0	9 52	10 29	11 0		n.a.
S 25	10 36	17 5	1 30	13 23	2 16	7 55	6 33	2 28	0 27	23 26	0 7	0 26	2 21	0 36	0 44	19 51	0 39	22 16	1 0	9 52	10 28	10 57		n.a.
M26	10 15	21 58	2 37	13 46	2 1	8 5	6 41	2 10	0 27	23 27	0 7	0 23	2 21	0 37	0 44	19 51	0 39	22 16	1 0	9 53	10 27	10 54		n.a.
T 27	9 53	25 34	3 33	14 7	1 46	8 14	6 49	1 52	0 26	23 27	0 7	0 20	2 20	0 38	0 44	19 52	0 39	22 17	1 0	9 53	10 25	10 51		n.a.
W28	9s31	27s45	4s17	14s27	1n31	8n21	6n56	1s33	0s25	23s28	0n 7	0s17	2s20	0n39	0n44	19n52	0n39	22s17	1n 0	9n52	10n24	10s48		n.a.

Julian Day Number = 1644386.5, Delta T = 03h34m34s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'51, Lahiri = - 6°51'51 Julian Calendar 1 Feb. 211 BCE == Greg. Calendar 28 Jan. 211 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

MARCH 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 18 49	6♓43'19	4♉22	16°R56	4°R58	27♓49	23♐59	4♈44	0°R 2	4°R58	19♐ 6	25°R 9	26♈37	11♓25	n.a.	T 1
F 2	10 22 46	7°42'25	16°42	16°D51	4♈55	28°33	24° 8	4°51	29♍59	4♎57	19° 7	25♈ 4	26°34	11°31	n.a.	F 2
S 3	10 26 43	8°41'29	28°52	16♒51	4°49	29°16	24°16	4°58	29°57	4°55	19° 7	24°56	26°31	11°38	n.a.	S 3
S 4	10 30 39	9°40'31	10♒53	16°57	4°40	29°59	24°24	5° 6	29°55	4°54	19° 8	24°48	26°28	11°45	n.a.	S 4
M 5	10 34 36	10°39'31	22°49	17° 8	4°29	0♈43	24°31	5°13	29°52	4°53	19° 9	24°39	26°24	11°51	n.a.	M 5
T 6	10 38 32	11°38'29	4♓41	17°24	4°16	1°27	24°39	5°20	29°50	4°52	19° 9	24°31	26°21	11°58	n.a.	T 6
W 7	10 42 29	12°37'25	16°30	17°45	4° 0	2°10	24°46	5°28	29°48	4°50	19°10	24°24	26°18	12° 5	n.a.	W 7
T 8	10 46 25	13°36'19	28°19	18°11	3°42	2°54	24°54	5°35	29°45	4°49	19°10	24°19	26°15	12°11	n.a.	T 8
F 9	10 50 22	14°35'10	10♈10	18°41	3°22	3°37	25° 1	5°43	29°43	4°48	19°11	24°16	26°12	12°18	n.a.	F 9
S 10	10 54 18	15°34'00	22° 5	19°15	2°59	4°20	25° 8	5°50	29°40	4°47	19°11	24°D15	26° 9	12°25	n.a.	S 10
S 11	10 58 15	16°32'47	4♉ 6	19°53	2°34	5° 3	25°15	5°58	29°38	4°46	19°12	24°15	26° 5	12°32	n.a.	S 11
M12	11 2 12	17°31'31	16°18	20°35	2° 7	5°47	25°22	6° 5	29°35	4°44	19°12	24°17	26° 2	12°38	n.a.	M12
T 13	11 6 8	18°30'14	28°45	21°21	1°38	6°30	25°28	6°13	29°33	4°43	19°12	24°18	25°59	12°45	n.a.	T 13
W14	11 10 5	19°28'54	11♊30	22°10	1° 7	7°13	25°35	6°20	29°30	4°42	19°13	24°20	25°56	12°52	n.a.	W14
T 15	11 14 1	20°27'32	24°38	23° 3	0°34	7°56	25°41	6°28	29°28	4°41	19°13	24°R20	25°53	12°58	n.a.	T 15
F 16	11 17 58	21°26'08	8♋11	23°58	0° 0	8°39	25°47	6°36	29°25	4°40	19°13	24°19	25°50	13° 5	n.a.	F 16
S 17	11 21 54	22°24'41	22°12	24°57	29♓25	9°22	25°53	6°43	29°23	4°39	19°14	24°16	25°46	13°12	n.a.	S 17
S 18	11 25 51	23°23'12	6♌39	25°58	28°48	10° 5	25°59	6°51	29°20	4°38	19°14	24°12	25°43	13°18	n.a.	S 18
M19	11 29 47	24°21'41	21°29	27° 2	28°11	10°48	26° 5	6°59	29°18	4°37	19°14	24° 8	25°40	13°25	n.a.	M19
T 20	11 33 44	25°20'07	6♍36	28° 8	27°33	11°30	26°10	7° 6	29°15	4°36	19°14	24° 4	25°37	13°32	n.a.	T 20
W21	11 37 41	26°18'31	21°50	29°17	26°55	12°13	26°16	7°14	29°13	4°35	19°14	24° 1	25°34	13°38	n.a.	W21
T 22	11 41 37	27°16'54	7♎ 2	0♓29	26°17	12°56	26°21	7°22	29°10	4°34	19°15	23°59	25°30	13°45	n.a.	T 22
F 23	11 45 34	28°15'14	22° 0	1°43	25°39	13°38	26°26	7°29	29° 7	4°33	19°15	23°D58	25°27	13°52	n.a.	F 23
S 24	11 49 30	29°13'33	6♏39	2°59	25° 1	14°21	26°31	7°37	29° 5	4°33	19°15	23°58	25°24	13°58	n.a.	S 24
S 25	11 53 27	0♈11'50	20°53	4°17	24°25	15° 4	26°35	7°45	29° 2	4°32	19°R15	24° 0	25°21	14° 5	n.a.	S 25
M26	11 57 23	1°10'05	4♐39	5°37	23°49	15°46	26°40	7°53	29° 0	4°31	19°15	24° 1	25°18	14°12	n.a.	M26
T 27	12 1 20	2° 8'19	17°59	7° 0	23°14	16°29	26°44	8° 0	28°57	4°30	19°15	24° 2	25°15	14°18	n.a.	T 27
W28	12 5 16	3° 6'31	0♉55	8°25	22°40	17°11	26°49	8° 8	28°55	4°30	19°15	24°R 3	25°11	14°25	n.a.	W28
T 29	12 9 13	4° 4'41	13°30	9°51	22° 8	17°53	26°53	8°16	28°52	4°29	19°15	24° 3	25° 8	14°32	n.a.	T 29
F 30	12 13 9	5° 2'51	25°48	11°20	21°38	18°36	26°56	8°24	28°50	4°28	19°14	24° 1	25° 5	14°38	n.a.	F 30
S 31	12 17 6	6♈ 0'58	7♒53	12♓50	21♓10	19♈18	27♐ 0	8♈32	28♍47	4♎28	19♐14	23♈59	25♈ 2	14♓45	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9s 9	28s26	4s48	14s44	1n16	8n27	7n 3	1s15	0s25	23s28	0n 7	0s14	2s20	0n40	0n44	19n52	0n39	22s17	1n 0	9n51	10n23	10s44			n.a.
F 2	8 47	27 42	5 4	15 0	1 1	8 32	7 10	0 57	0 24	23 29	0 7	0 11	2 20	0 41	0 44	19 53	0 39	22 17	1 0	9 49	10 22	10 41			n.a.
S 3	8 24	25 38	5 7	15 14	0 46	8 36	7 16	0 39	0 23	23 29	0 7	0 8	2 20	0 41	0 44	19 53	0 39	22 17	0 59	9 46	10 21	10 38			n.a.
S 4	8 2	22 26	4 56	15 26	0 32	8 38	7 22	0 21	0 23	23 30	0 6	0 5	2 20	0 42	0 44	19 53	0 39	22 17	0 59	9 43	10 20	10 35			n.a.
M 5	7 39	18 20	4 32	15 36	0 18	8 38	7 28	0 3	0 22	23 30	0 6	0 2	2 20	0 43	0 44	19 54	0 39	22 17	0 59	9 40	10 18	10 32			n.a.
T 6	7 17	13 34	3 56	15 44	0 4	8 38	7 33	0n15	0 21	23 31	0 6	0n 1	2 20	0 44	0 44	19 54	0 39	22 17	0 59	9 37	10 17	10 29			n.a.
W 7	6 54	8 18	3 10	15 50	0s 9	8 35	7 38	0 33	0 21	23 31	0 6	0 4	2 20	0 45	0 44	19 54	0 39	22 18	0 59	9 34	10 16	10 25			n.a.
T 8	6 31	2 45	2 16	15 54	0 22	8 32	7 42	0 51	0 20	23 31	0 6	0 7	2 19	0 46	0 44	19 55	0 39	22 18	0 59	9 32	10 15	10 22			n.a.
F 9	6 8	2n55	1 16	15 56	0 34	8 27	7 45	1 9	0 19	23 32	0 6	0 10	2 19	0 47	0 44	19 55	0 39	22 18	0 59	9 31	10 14	10 19			n.a.
S 10	5 45	8 31	0 12	15 57	0 46	8 20	7 48	1 27	0 19	23 32	0 6	0 13	2 19	0 48	0 44	19 55	0 38	22 18	0 59	9 31	10 13	10 16			n.a.
S 11	5 22	13 52	0n53	15 55	0 57	8 12	7 50	1 45	0 18	23 32	0 6	0 16	2 19	0 49	0 44	19 55	0 38	22 18	0 59	9 31	10 11	10 13			n.a.
M12	4 59	18 47	1 57	15 51	1 7	8 2	7 51	2 3	0 17	23 33	0 6	0 19	2 19	0 50	0 44	19 56	0 38	22 18	0 59	9 31	10 10	10 9			n.a.
T 13	4 36	23 0	2 57	15 46	1 17	7 51	7 51	2 21	0 17	23 33	0 6	0 22	2 19	0 51	0 44	19 56	0 38	22 18	0 59	9 32	10 9	10 6			n.a.
W14	4 13	26 13	3 50	15 39	1 26	7 38	7 51	2 39	0 16	23 33	0 5	0 25	2 19	0 52	0 44	19 56	0 38	22 18	0 59	9 32	10 8	10 3			n.a.
T 15	3 49	28 8	4 32	15 30	1 35	7 24	7 50	2 57	0 15	23 34	0 5	0 28	2 19	0 53	0 44	19 56	0 38	22 18	0 59	9 32	10 7	10 0			n.a.
F 16	3 26	28 28	5 0	15 19	1 43	7 8	7 48	3 15	0 15	23 34	0 5	0 32	2 19	0 54	0 44	19 57	0 38	22 18	0 59	9 32	10 6	9 57			n.a.
S 17	3 3	27 0	5 12	15 6	1 51	6 51	7 45	3 32	0 14	23 34	0 5	0 35	2 19	0 55	0 44	19 57	0 38	22 18	0 59	9 31	10 4	9 53			n.a.
S 18	2 39	23 45	5 5	14 52	1 58	6 33	7 41	3 50	0 14	23 35	0 5	0 38	2 19	0 56	0 44	19 57	0 38	22 19	0 58	9 30	10 3	9 50			n.a.
M19	2 16	18 53	4 38	14 35	2 4	6 14	7 37	4 7	0 13	23 35	0 5	0 41	2 19	0 57	0 44	19 57	0 38	22 19	0 58	9 28	10 2	9 47			n.a.
T 20	1 52	12 46	3 51	14 17	2 10	5 54	7 31	4 25	0 12	23 35	0 5	0 44	2 19	0 58	0 44	19 58	0 38	22 19	0 58	9 27	10 1	9 44			n.a.
W21	1 29	5 50	2 47	13 58	2 15	5 33	7 25	4 42	0 12	23 36	0 5	0 47	2 19	0 59	0 44	19 58	0 38	22 19	0 58	9 25	10 0	9 41			n.a.
T 22	1 6	1s25	1 32	13 37	2 20	5 11	7 18	5 0	0 11	23 36	0 5	0 50	2 18	1 0	0 44	19 58	0 38	22 19	0 58	9 25	9 59	9 37			n.a.
F 23	0 42	8 30	0 11	13 14	2 24	4 49	7 10	5 17	0 10	23 36	0 4	0 53	2 18	1 1	0 44	19 58	0 38	22 19	0 58	9 24	9 57	9 34			n.a.
S 24	0 19	14 59	1s 9	12 49	2 28	4 26	7 1	5 34	0 10	23 36	0 4	0 57	2 18	1 2	0 44	19 58	0 38	22 19	0 58	9 24	9 56	9 31			n.a.
S 25	0n 5	20 29	2 23	12 23	2 31	4 2	6 52	5 52	0 9	23 37	0 4	1 0	2 18	1 4	0 44	19 59	0 38	22 19	0 58	9 25	9 55	9 28			n.a.
M26	0 28	24 41	3 26	11 55	2 33	3 39	6 42	6 9	0 8	23 37	0 4	1 3	2 18	1 5	0 44	19 59	0 38	22 19	0 58	9 25	9 54	9 25			n.a.
T 27	0 52	27 24	4 15	11 26	2 35	3 15	6 31	6 26	0 8	23 37	0 4	1 6	2 18	1 6	0 44	19 59	0 38	22 19	0 58	9 26	9 53	9 21			n.a.
W28	1 15	28 33	4 50	10 55	2 36	2 51	6 20	6 43	0 7	23 37	0 4	1 9	2 18	1 7	0 44	19 59	0 38	22 19	0 58	9 26	9 52	9 18			n.a.
T 29	1 38	28 10	5 10	10 23	2 37	2 28	6 8	7 0	0 7	23 37	0 4	1 12	2 18	1 8	0 44	19 59	0 38	22 19	0 58	9 26	9 50	9 15			n.a.
F 30	2 2	26 23	5 15	9 49	2 37	2 5	5 55	7 17	0 6	23 38	0 4	1 15	2 18	1 9	0 44	19 59	0 38	22 19	0 58	9 26	9 49	9 12			n.a.
S 31	2n25	23s26	5s 6	9s13	2s36	1n42	5n43	7n34	0s 5	23s38	0n 3	1n18	2s18	1n10	0n44	20n 0	0n38	22s19	0n58	9n25	9n48	9s 8			n.a.

Julian Day Number = 1644414.5, Delta T = 03h34m33s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'47, Lahiri = - 6°51'47 Julian Calendar 1 March 211 BCE == Greg. Calendar 25 Feb. 211 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

APRIL 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 21 3	6♈59'04	19♒50	14♓22	20°R44	20♈ 0	27♐ 4	8♈39	28°R45	4°R27	19°R14	23°R57	24♈59	14♓52	n.a.	S 1
M 2	12 24 59	7°57'08	1♓41	15°57	20♓19	20°42	27° 7	8°47	28♍42	4♌27	19♐14	23♈54	24°56	14°59	n.a.	M 2
T 3	12 28 56	8°55'11	13°30	17°33	19°58	21°24	27°10	8°55	28°40	4°26	19°14	23°52	24°52	15° 5	n.a.	T 3
W 4	12 32 52	9°53'11	25°19	19°11	19°38	22° 6	27°13	9° 3	28°37	4°25	19°13	23°50	24°49	15°12	n.a.	W 4
T 5	12 36 49	10°51'11	7♈11	20°51	19°20	22°49	27°16	9°11	28°35	4°25	19°13	23°49	24°46	15°19	n.a.	T 5
F 6	12 40 45	11°49'08	19° 8	22°33	19° 6	23°31	27°18	9°19	28°32	4°25	19°13	23°D48	24°43	15°25	n.a.	F 6
S 7	12 44 42	12°47'04	1♉12	24°17	18°53	24°12	27°21	9°26	28°30	4°24	19°12	23°48	24°40	15°32	n.a.	S 7
S 8	12 48 38	13°44'59	13°24	26° 3	18°43	24°54	27°23	9°34	28°27	4°24	19°12	23°49	24°36	15°39	n.a.	S 8
M 9	12 52 35	14°42'51	25°48	27°50	18°35	25°36	27°25	9°42	28°25	4°23	19°12	23°50	24°33	15°45	n.a.	M 9
T 10	12 56 32	15°40'42	8♊25	29°40	18°30	26°18	27°27	9°50	28°22	4°23	19°11	23°51	24°30	15°52	n.a.	T 10
W11	13 0 28	16°38'31	21°18	1♈31	18°27	27° 0	27°28	9°57	28°20	4°23	19°11	23°51	24°27	15°59	n.a.	W11
T 12	13 4 25	17°36'18	4♋29	3°25	18°D26	27°42	27°30	10° 5	28°18	4°23	19°10	23°52	24°24	16° 5	n.a.	T 12
F 13	13 8 21	18°34'04	18° 0	5°20	18°28	28°23	27°31	10°13	28°15	4°22	19°10	23°R52	24°21	16°12	n.a.	F 13
S 14	13 12 18	19°31'47	1♌53	7°17	18°32	29° 5	27°32	10°21	28°13	4°22	19° 9	23°52	24°17	16°19	n.a.	S 14
S 15	13 16 14	20°29'29	16° 6	9°16	18°39	29°46	27°33	10°29	28°11	4°22	19° 8	23°51	24°14	16°25	n.a.	S 15
M16	13 20 11	21°27'09	0♍38	11°16	18°47	0♉28	27°34	10°36	28° 8	4°22	19° 8	23°51	24°11	16°32	n.a.	M16
T 17	13 24 7	22°24'48	15°25	13°19	18°58	1° 9	27°35	10°44	28° 6	4°22	19° 7	23°51	24° 8	16°39	n.a.	T 17
W18	13 28 4	23°22'24	0♎21	15°23	19°10	1°51	27°35	10°52	28° 4	4°22	19° 7	23°51	24° 5	16°45	n.a.	W18
T 19	13 32 1	24°19'59	15°19	17°28	19°25	2°32	27°R35	10°59	28° 2	4°D22	19° 6	23°51	24° 1	16°52	n.a.	T 19
F 20	13 35 57	25°17'33	0♏ 9	19°35	19°42	3°14	27°35	11° 7	27°59	4°22	19° 5	23°51	23°58	16°59	n.a.	F 20
S 21	13 39 54	26°15'06	14°46	21°44	20° 0	3°55	27°35	11°15	27°57	4°22	19° 5	23°51	23°55	17° 5	n.a.	S 21
S 22	13 43 50	27°12'37	29° 2	23°53	20°21	4°36	27°34	11°22	27°55	4°22	19° 4	23°51	23°52	17°12	n.a.	S 22
M23	13 47 47	28°10'07	12♐54	26° 3	20°43	5°17	27°34	11°30	27°53	4°22	19° 3	23°50	23°49	17°19	n.a.	M23
T 24	13 51 43	29° 7'37	26°20	28°14	21° 7	5°59	27°33	11°37	27°51	4°22	19° 2	23°50	23°46	17°25	n.a.	T 24
W25	13 55 40	0♑ 5'05	9♑22	0♑26	21°33	6°40	27°32	11°45	27°49	4°22	19° 1	23°49	23°42	17°32	n.a.	W25
T 26	13 59 36	1° 2'33	22° 1	2°37	22° 0	7°21	27°31	11°53	27°47	4°23	19° 1	23°49	23°39	17°39	n.a.	T 26
F 27	14 3 33	1°59'59	4♒21	4°49	22°29	8° 2	27°29	12° 0	27°45	4°23	19° 0	23°D49	23°36	17°45	n.a.	F 27
S 28	14 7 30	2°57'25	16°27	7° 0	22°59	8°43	27°28	12° 8	27°43	4°23	18°59	23°49	23°33	17°52	n.a.	S 28
S 29	14 11 26	3°54'50	28°23	9°10	23°30	9°24	27°26	12°15	27°41	4°23	18°58	23°50	23°30	17°59	n.a.	S 29
M30	14 15 23	4♑52'14	10♓13	11♑20	24♓ 3	10♑ 5	27♐24	12♈23	27♍39	4♌24	18♐57	23♈50	23♈27	18♓ 5	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n48	19s31	4s44	8s36	2s35	1n20	5n30	7n50	0s 5	23s38	0n 3	1n22	2s18	1n11	0n44	20n 0	0n38	22s20	0n58	9n24	9n47	9s 5		n.a.
M 2	3 11	14 53	4 10	7 58	2 34	0 58	5 17	8 7	0 4	23 38	0 3	1 25	2 18	1 12	0 44	20 0	0 38	22 20	0 57	9 23	9 46	9 2		n.a.
T 3	3 35	9 42	3 25	7 18	2 32	0 37	5 3	8 24	0 3	23 38	0 3	1 28	2 18	1 13	0 44	20 0	0 38	22 20	0 57	9 22	9 45	8 59		n.a.
W 4	3 58	4 11	2 31	6 36	2 29	0 17	4 50	8 40	0 3	23 39	0 3	1 31	2 18	1 14	0 44	20 0	0 38	22 20	0 57	9 21	9 43	8 55		n.a.
T 5	4 21	1n30	1 31	5 54	2 26	0s 3	4 36	8 56	0 2	23 39	0 3	1 34	2 18	1 15	0 44	20 0	0 38	22 20	0 57	9 21	9 42	8 52		n.a.
F 6	4 44	7 11	0 26	5 9	2 22	0 21	4 22	9 13	0 1	23 39	0 3	1 37	2 18	1 16	0 44	20 0	0 38	22 20	0 57	9 21	9 41	8 49		n.a.
S 7	5 6	12 40	0n41	4 24	2 17	0 39	4 8	9 29	0 1	23 39	0 3	1 40	2 18	1 17	0 44	20 0	0 38	22 20	0 57	9 21	9 40	8 46		n.a.
S 8	5 29	17 44	1 47	3 37	2 12	0 55	3 55	9 45	0 0	23 39	0 2	1 43	2 18	1 18	0 44	20 1	0 38	22 20	0 57	9 21	9 39	8 42		n.a.
M 9	5 52	22 9	2 48	2 49	2 7	1 11	3 41	10 1	0n 0	23 39	0 2	1 46	2 18	1 19	0 44	20 1	0 38	22 20	0 57	9 21	9 37	8 39		n.a.
T 10	6 14	25 38	3 43	1 59	2 1	1 25	3 27	10 17	0 1	23 40	0 2	1 50	2 18	1 19	0 44	20 1	0 38	22 20	0 57	9 22	9 36	8 36		n.a.
W11	6 37	27 53	4 28	1 8	1 55	1 39	3 14	10 33	0 2	23 40	0 2	1 53	2 18	1 20	0 44	20 1	0 38	22 20	0 57	9 22	9 35	8 33		n.a.
T 12	6 59	28 38	4 59	0 16	1 48	1 51	3 1	10 49	0 2	23 40	0 2	1 56	2 18	1 21	0 44	20 1	0 38	22 20	0 57	9 22	9 34	8 29		n.a.
F 13	7 22	27 42	5 16	0n37	1 40	2 3	2 48	11 4	0 3	23 40	0 2	1 59	2 18	1 22	0 44	20 1	0 38	22 20	0 57	9 22	9 33	8 26		n.a.
S 14	7 44	25 4	5 14	1 31	1 32	2 13	2 35	11 20	0 3	23 40	0 2	2 2	2 18	1 23	0 44	20 1	0 38	22 20	0 57	9 22	9 32	8 23		n.a.
S 15	8 6	20 52	4 54	2 26	1 24	2 22	2 22	11 35	0 4	23 40	0 2	2 5	2 18	1 24	0 44	20 1	0 38	22 20	0 57	9 22	9 30	8 19		n.a.
M16	8 28	15 20	4 14	3 22	1 15	2 30	2 10	11 51	0 5	23 41	0 1	2 8	2 18	1 25	0 44	20 1	0 38	22 20	0 56	9 22	9 29	8 16		n.a.
T 17	8 49	8 50	3 18	4 18	1 6	2 37	1 58	12 6	0 5	23 41	0 1	2 11	2 18	1 26	0 44	20 1	0 38	22 20	0 56	9 22	9 28	8 13		n.a.
W18	9 11	1 47	2 7	5 15	0 56	2 43	1 46	12 21	0 6	23 41	0 1	2 14	2 18	1 27	0 44	20 1	0 38	22 20	0 56	9 22	9 27	8 10		n.a.
T 19	9 33	5s22	0 47	6 13	0 47	2 48	1 34	12 36	0 6	23 41	0 1	2 17	2 18	1 28	0 44	20 1	0 38	22 20	0 56	9 22	9 26	8 6		n.a.
F 20	9 54	12 12	0s35	7 11	0 37	2 52	1 23	12 51	0 7	23 41	0 1	2 20	2 18	1 29	0 44	20 1	0 38	22 20	0 56	9 22	9 24	8 3		n.a.
S 21	10 15	18 16	1 54	8 10	0 26	2 55	1 11	13 6	0 8	23 41	0 1	2 23	2 18	1 29	0 44	20 1	0 38	22 20	0 56	9 22	9 23	8 0		n.a.
S 22	10 36	23 9	3 3	9 8	0 16	2 56	1 1	13 20	0 8	23 41	0 1	2 26	2 18	1 30	0 44	20 1	0 38	22 20	0 56	9 22	9 22	7 56		n.a.
M23	10 57	26 35	4 0	10 6	0 5	2 57	0 50	13 35	0 9	23 42	0 0	2 29	2 19	1 31	0 44	20 1	0 38	22 20	0 56	9 21	9 21	7 53		n.a.
T 24	11 18	28 22	4 42	11 3	0n 5	2 57	0 40	13 49	0 9	23 42	0 0	2 32	2 19	1 32	0 44	20 1	0 38	22 20	0 56	9 21	9 20	7 50		n.a.
W25	11 38	28 30	5 7	12 0	0 16	2 56	0 30	14 3	0 10	23 42	0 0	2 35	2 19	1 33	0 44	20 1	0 38	22 20	0 56	9 21	9 19	7 47		n.a.
T 26	11 58	27 7	5 17	12 56	0 26	2 54	0 20	14 18	0 11	23 42	0 0	2 38	2 19	1 33	0 44	20 1	0 38	22 20	0 56	9 21	9 17	7 43		n.a.
F 27	12 19	24 26	5 12	13 51	0 37	2 51	0 11	14 32	0 11	23 42	0s 0	2 40	2 19	1 34	0 44	20 1	0 38	22 20	0 56	9 21	9 16	7 40		n.a.
S 28	12 39	20 44	4 53	14 44	0 47	2 48	0 2	14 46	0 12	23 42	0 0	2 43	2 19	1 35	0 43	20 1	0 38	22 20	0 56	9 21	9 15	7 37		n.a.
S 29	12 58	16 15	4 21	15 36	0 56	2 43	0s 7	14 59	0 12	23 42	0 0	2 46	2 19	1 36	0 43	20 0	0 38	22 20	0 55	9 21	9 14	7 33		n.a.
M30	13n18	11s12	3s39	16n27	1n 5	2s38	0s16	15n13	0n13	23s42	0s 1	2n49	2s19	1n36	0n43	20n 0	0n38	22s20	0n55	9n22	9n13	7s30		n.a.

Julian Day Number = 1644445.5, Delta T = 03h34m32s
Ecliptic obliquity = 23°43'24, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'43, Lahiri = - 6°51'43 Julian Calendar 1 Apr. 211 BCE == Greg. Calendar 28 March 211 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

MAY 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 19 19	5♉49'37	22♓ 1	13♉28	24♓38	10♉46	27°R22	12♈30	27°R37	4♌24	18°R56	23♈52	23♈23	18♓12	n.a.	T 1
W 2	14 23 16	6°46'59	3♈53	15°35	25°13	11°26	27♐20	12°37	27♍36	4°24	18♐55	23°53	23°20	18°19	n.a.	W 2
T 3	14 27 12	7°44'21	15°50	17°40	25°50	12° 7	27°17	12°45	27°34	4°25	18°54	23°53	23°17	18°25	n.a.	T 3
F 4	14 31 9	8°41'41	27°56	19°44	26°28	12°48	27°15	12°52	27°32	4°25	18°53	23°R53	23°14	18°32	n.a.	F 4
S 5	14 35 5	9°39'01	10♉12	21°46	27° 7	13°29	27°12	12°59	27°30	4°26	18°52	23°53	23°11	18°39	n.a.	S 5
S 6	14 39 2	10°36'20	22°41	23°45	27°47	14° 9	27° 9	13° 7	27°29	4°26	18°51	23°51	23° 7	18°45	n.a.	S 6
M 7	14 42 59	11°33'38	5♊23	25°43	28°28	14°50	27° 6	13°14	27°27	4°27	18°50	23°49	23° 4	18°52	n.a.	M 7
T 8	14 46 55	12°30'56	18°18	27°38	29°11	15°31	27° 2	13°21	27°26	4°27	18°49	23°47	23° 1	18°59	n.a.	T 8
W 9	14 50 52	13°28'12	1♋28	29°30	29°54	16°11	26°59	13°28	27°24	4°28	18°47	23°44	22°58	19° 5	n.a.	W 9
T 10	14 54 48	14°25'27	14°52	1♊21	0♈38	16°52	26°55	13°35	27°23	4°29	18°46	23°42	22°55	19°12	n.a.	T 10
F 11	14 58 45	15°22'42	28°31	3° 9	1°23	17°32	26°51	13°42	27°21	4°29	18°45	23°40	22°52	19°19	n.a.	F 11
S 12	15 2 41	16°19'55	12♌23	4°54	2° 8	18°13	26°47	13°49	27°20	4°30	18°44	23°D39	22°48	19°25	n.a.	S 12
S 13	15 6 38	17°17'07	26°28	6°37	2°55	18°53	26°43	13°56	27°18	4°31	18°43	23°39	22°45	19°32	n.a.	S 13
M14	15 10 34	18°14'19	10♍44	8°17	3°42	19°34	26°39	14° 3	27°17	4°32	18°42	23°40	22°42	19°39	n.a.	M14
T 15	15 14 31	19°11'29	25°10	9°55	4°30	20°14	26°34	14°10	27°16	4°33	18°40	23°42	22°39	19°45	n.a.	T 15
W16	15 18 28	20° 8'39	9♎42	11°30	5°19	20°54	26°29	14°17	27°15	4°33	18°39	23°43	22°36	19°52	n.a.	W16
T 17	15 22 24	21° 5'48	24°16	13° 3	6° 9	21°34	26°24	14°24	27°13	4°34	18°38	23°R43	22°33	19°59	n.a.	T 17
F 18	15 26 21	22° 2'56	8♏45	14°33	6°59	22°15	26°19	14°31	27°12	4°35	18°37	23°43	22°29	20° 5	n.a.	F 18
S 19	15 30 17	23° 0'04	23° 6	16° 0	7°50	22°55	26°14	14°37	27°11	4°36	18°35	23°40	22°26	20°12	n.a.	S 19
S 20	15 34 14	23°57'11	7♐11	17°25	8°41	23°35	26° 9	14°44	27°10	4°37	18°34	23°37	22°23	20°19	n.a.	S 20
M21	15 38 10	24°54'19	20°58	18°47	9°33	24°15	26° 4	14°51	27° 9	4°38	18°33	23°33	22°20	20°25	n.a.	M21
T 22	15 42 7	25°51'26	4♑23	20° 6	10°26	24°55	25°58	14°57	27° 8	4°39	18°31	23°28	22°17	20°32	n.a.	T 22
W23	15 46 4	26°48'33	17°25	21°22	11°19	25°35	25°52	15° 4	27° 7	4°40	18°30	23°23	22°13	20°39	n.a.	W23
T 24	15 50 0	27°45'39	0♒ 6	22°36	12°13	26°15	25°46	15°10	27° 7	4°41	18°29	23°19	22°10	20°45	n.a.	T 24
F 25	15 53 57	28°42'46	12°28	23°47	13° 8	26°55	25°40	15°17	27° 6	4°42	18°27	23°16	22° 7	20°52	n.a.	F 25
S 26	15 57 53	29°39'53	24°35	24°55	14° 2	27°35	25°34	15°23	27° 5	4°43	18°26	23°D15	22° 4	20°59	n.a.	S 26
S 27	16 1 50	0♊36'59	6♓31	26° 0	14°58	28°15	25°28	15°29	27° 4	4°45	18°25	23°15	22° 1	21° 5	n.a.	S 27
M28	16 5 46	1°34'06	18°22	27° 1	15°54	28°55	25°22	15°36	27° 4	4°46	18°23	23°16	21°58	21°12	n.a.	M28
T 29	16 9 43	2°31'13	0♈12	28° 0	16°50	29°35	25°15	15°42	27° 3	4°47	18°22	23°17	21°54	21°19	n.a.	T 29
W30	16 13 39	3°28'20	12° 5	28°55	17°47	0♊14	25° 9	15°48	27° 3	4°48	18°20	23°19	21°51	21°25	n.a.	W30
T 31	16 17 36	4♊25'27	24♈ 8	29♊47	18♈44	0♊54	25♐ 2	15♈54	27♍ 2	4♌49	18♐19	23°R19	21♈48	21♓32	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13n37	5s46	2s47	17n15	1n14	2s31	0s24	15n27	0n14	23s42	0s 1	2n52	2s19	1n37	0n43	20n 0	0n38	22s20	0n55	9n22	9n11	7s27			n.a.
W 2	13 56	0 6	1 49	18 1	1 22	2 24	0 32	15 40	0 14	23 43	0 1	2 55	2 19	1 38	0 43	20 0	0 38	22 20	0 55	9 22	9 10	7 23			n.a.
T 3	14 15	5n37	0 44	18 45	1 30	2 17	0 40	15 53	0 15	23 43	0 1	2 58	2 19	1 38	0 43	20 0	0 38	22 20	0 55	9 23	9 9	7 20			n.a.
F 4	14 34	11 13	0n22	19 26	1 37	2 8	0 47	16 6	0 15	23 43	0 1	3 0	2 19	1 39	0 43	20 0	0 38	22 20	0 55	9 23	9 8	7 17			n.a.
S 5	14 53	16 27	1 29	20 5	1 44	1 59	0 54	16 19	0 16	23 43	0 1	3 3	2 19	1 40	0 43	20 0	0 38	22 20	0 55	9 22	9 7	7 14			n.a.
S 6	15 11	21 7	2 32	20 42	1 50	1 49	1 1	16 32	0 16	23 43	0 1	3 6	2 19	1 40	0 43	20 0	0 38	22 20	0 55	9 22	9 5	7 10			n.a.
M 7	15 29	24 53	3 29	21 16	1 55	1 39	1 8	16 45	0 17	23 43	0 2	3 9	2 20	1 41	0 43	19 59	0 38	22 20	0 55	9 21	9 4	7 7			n.a.
T 8	15 47	27 28	4 17	21 48	1 59	1 28	1 14	16 58	0 18	23 43	0 2	3 11	2 20	1 42	0 43	19 59	0 38	22 20	0 55	9 20	9 3	7 4			n.a.
W 9	16 4	28 34	4 52	22 17	2 3	1 16	1 21	17 10	0 18	23 43	0 2	3 14	2 20	1 42	0 43	19 59	0 38	22 20	0 55	9 19	9 2	7 0			n.a.
T 10	16 21	28 2	5 11	22 43	2 6	1 4	1 27	17 22	0 19	23 43	0 2	3 17	2 20	1 43	0 43	19 59	0 38	22 20	0 55	9 18	9 1	6 57			n.a.
F 11	16 38	25 49	5 14	23 7	2 8	0 51	1 32	17 34	0 19	23 43	0 2	3 19	2 20	1 43	0 43	19 59	0 38	22 20	0 55	9 18	8 59	6 54			n.a.
S 12	16 55	22 3	4 58	23 29	2 9	0 38	1 38	17 46	0 20	23 43	0 2	3 22	2 20	1 44	0 43	19 59	0 38	22 20	0 54	9 17	8 58	6 50			n.a.
S 13	17 12	16 59	4 25	23 48	2 10	0 24	1 43	17 58	0 20	23 43	0 3	3 25	2 20	1 44	0 43	19 58	0 38	22 20	0 54	9 17	8 57	6 47			n.a.
M14	17 28	10 56	3 35	24 5	2 10	0 10	1 48	18 10	0 21	23 43	0 3	3 27	2 20	1 45	0 43	19 58	0 38	22 20	0 54	9 18	8 56	6 44			n.a.
T 15	17 44	4 14	2 31	24 20	2 10	0n 5	1 53	18 22	0 22	23 44	0 3	3 30	2 20	1 45	0 43	19 58	0 38	22 20	0 54	9 18	8 55	6 40			n.a.
W16	17 59	2s43	1 16	24 33	2 8	0 21	1 57	18 33	0 22	23 44	0 3	3 32	2 21	1 46	0 43	19 58	0 38	22 20	0 54	9 19	8 54	6 37			n.a.
T 17	18 15	9 34	0s 3	24 43	2 6	0 36	2 2	18 44	0 23	23 44	0 3	3 35	2 21	1 46	0 43	19 58	0 38	22 20	0 54	9 19	8 52	6 34			n.a.
F 18	18 30	15 52	1 22	24 51	2 3	0 53	2 6	18 55	0 23	23 44	0 3	3 38	2 21	1 47	0 43	19 57	0 38	22 20	0 54	9 19	8 51	6 30			n.a.
S 19	18 45	21 15	2 34	24 58	2 0	1 9	2 10	19 6	0 24	23 44	0 3	3 40	2 21	1 47	0 43	19 57	0 38	22 20	0 54	9 18	8 50	6 27			n.a.
S 20	18 59	25 19	3 36	25 2	1 56	1 26	2 14	19 17	0 24	23 44	0 4	3 43	2 21	1 47	0 43	19 57	0 38	22 20	0 54	9 17	8 49	6 24			n.a.
M21	19 13	27 47	4 23	25 5	1 51	1 44	2 17	19 27	0 25	23 44	0 4	3 45	2 21	1 48	0 43	19 57	0 38	22 20	0 54	9 15	8 48	6 20			n.a.
T 22	19 27	28 34	4 55	25 6	1 45	2 1	2 21	19 38	0 25	23 44	0 4	3 47	2 21	1 48	0 43	19 56	0 38	22 20	0 54	9 13	8 46	6 17			n.a.
W23	19 40	27 42	5 10	25 5	1 39	2 20	2 24	19 48	0 26	23 44	0 4	3 50	2 21	1 48	0 43	19 56	0 38	22 20	0 53	9 11	8 45	6 13			n.a.
T 24	19 54	25 24	5 10	25 3	1 32	2 38	2 27	19 58	0 26	23 44	0 4	3 52	2 22	1 49	0 43	19 56	0 38	22 20	0 53	9 10	8 44	6 10			n.a.
F 25	20 7	21 58	4 55	24 59	1 25	2 57	2 30	20 8	0 27	23 44	0 4	3 55	2 22	1 49	0 43	19 56	0 38	22 20	0 53	9 9	8 43	6 7			n.a.
S 26	20 19	17 40	4 27	24 54	1 17	3 16	2 32	20 18	0 28	23 43	0 5	3 57	2 22	1 49	0 43	19 55	0 38	22 20	0 53	9 8	8 42	6 3			n.a.
S 27	20 31	12 44	3 47	24 48	1 8	3 35	2 35	20 28	0 28	23 43	0 5	3 59	2 22	1 50	0 42	19 55	0 38	22 20	0 53	9 8	8 40	6 0			n.a.
M28	20 43	7 23	2 59	24 40	0 59	3 55	2 37	20 37	0 29	23 43	0 5	4 1	2 22	1 50	0 42	19 55	0 38	22 20	0 53	9 9	8 39	5 57			n.a.
T 29	20 55	1 48	2 3	24 31	0 49	4 15	2 39	20 46	0 29	23 43	0 5	4 4	2 22	1 50	0 42	19 54	0 38	22 20	0 53	9 9	8 38	5 53			n.a.
W30	21 6	3n54	1 1	24 21	0 38	4 35	2 41	20 55	0 30	23 43	0 5	4 6	2 23	1 50	0 42	19 54	0 38	22 20	0 53	9 10	8 37	5 50			n.a.
T 31	21n17	9n32	0n 4	24n11	0n27	4n55	2s43	21n 4	0n30	23s43	0s 5	4n 8	2s23	1n50	0n42	19n54	0n38	22s20	0n53	9n10	8n36	5s47			n.a.

Julian Day Number = 1644475.5, Delta T = 03h34m31s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'39, Lahiri = - 6°51'38 Julian Calendar 1 May 211 BCE == Greg. Calendar 27 Apr. 211 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

JUNE 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 21 33	5♊22'34	6♉22	0♋36	19♈42	1♊34	24°R55	16♈ 0	27°R 2	4♎51	18°R18	23°R18	21♈45	21♓39	n.a.	F 1
S 2	16 25 29	6°19'42	18°52	1°21	20°40	2°14	24♐48	16° 6	27♍ 1	4°52	18♐16	23♈16	21°42	21°45	n.a.	S 2
S 3	16 29 26	7°16'50	1♊38	2° 2	21°38	2°53	24°41	16°12	27° 1	4°53	18°15	23°11	21°39	21°52	n.a.	S 3
M 4	16 33 22	8°13'58	14°41	2°39	22°37	3°33	24°34	16°18	27° 1	4°55	18°13	23° 5	21°35	21°59	n.a.	M 4
T 5	16 37 19	9°11'06	28° 0	3°12	23°36	4°12	24°27	16°24	27° 0	4°56	18°12	22°57	21°32	22° 5	n.a.	T 5
W 6	16 41 15	10° 8'14	11♋34	3°41	24°35	4°52	24°20	16°29	27° 0	4°58	18°10	22°50	21°29	22°12	n.a.	W 6
T 7	16 45 12	11° 5'22	25°19	4° 6	25°35	5°31	24°13	16°35	27° 0	4°59	18° 9	22°43	21°26	22°19	n.a.	T 7
F 8	16 49 8	12° 2'30	9♌14	4°27	26°35	6°11	24° 5	16°41	27° 0	5° 1	18° 7	22°37	21°23	22°25	n.a.	F 8
S 9	16 53 5	12°59'38	23°16	4°43	27°36	6°50	23°58	16°46	27°D 0	5° 2	18° 6	22°33	21°19	22°32	n.a.	S 9
S 10	16 57 2	13°56'46	7♍23	4°54	28°37	7°30	23°50	16°52	27° 0	5° 4	18° 5	22°32	21°16	22°39	n.a.	S 10
M11	17 0 58	14°53'54	21°32	5° 1	29°38	8° 9	23°43	16°57	27° 0	5° 5	18° 3	22°D32	21°13	22°45	n.a.	M11
T 12	17 4 55	15°51'02	5♎43	5°R 3	0♉39	8°49	23°35	17° 2	27° 0	5° 7	18° 2	22°33	21°10	22°52	n.a.	T 12
W13	17 8 51	16°48'10	19°54	5° 0	1°41	9°28	23°28	17° 7	27° 0	5° 8	18° 0	22°R33	21° 7	22°59	n.a.	W13
T 14	17 12 48	17°45'18	4♏ 3	4°52	2°43	10° 7	23°20	17°13	27° 1	5°10	17°59	22°33	21° 4	23° 5	n.a.	T 14
F 15	17 16 44	18°42'26	18° 7	4°40	3°45	10°47	23°12	17°18	27° 1	5°12	17°57	22°30	21° 0	23°12	n.a.	F 15
S 16	17 20 41	19°39'35	2♐ 3	4°23	4°47	11°26	23° 5	17°23	27° 1	5°13	17°56	22°25	20°57	23°19	n.a.	S 16
S 17	17 24 38	20°36'44	15°48	4° 1	5°50	12° 5	22°57	17°28	27° 2	5°15	17°54	22°18	20°54	23°25	n.a.	S 17
M18	17 28 34	21°33'54	29°19	3°36	6°53	12°44	22°49	17°32	27° 2	5°17	17°53	22° 9	20°51	23°32	n.a.	M18
T 19	17 32 31	22°31'05	12♑33	3° 6	7°56	13°23	22°41	17°37	27° 3	5°18	17°51	21°59	20°48	23°39	n.a.	T 19
W20	17 36 27	23°28'16	25°29	2°33	9° 0	14° 2	22°34	17°42	27° 3	5°20	17°50	21°49	20°45	23°45	n.a.	W20
T 21	17 40 24	24°25'28	8♒ 6	1°56	10° 4	14°41	22°26	17°46	27° 4	5°22	17°48	21°40	20°41	23°52	n.a.	T 21
F 22	17 44 20	25°22'40	20°26	1°18	11° 8	15°21	22°18	17°51	27° 4	5°24	17°47	21°33	20°38	23°59	n.a.	F 22
S 23	17 48 17	26°19'54	2♓32	0°37	12°12	16° 0	22°10	17°55	27° 5	5°25	17°45	21°28	20°35	24° 5	n.a.	S 23
S 24	17 52 13	27°17'09	14°27	29♊55	13°16	16°39	22° 3	18° 0	27° 6	5°27	17°44	21°25	20°32	24°12	n.a.	S 24
M25	17 56 10	28°14'24	26°17	29°12	14°21	17°18	21°55	18° 4	27° 7	5°29	17°43	21°D24	20°29	24°19	n.a.	M25
T 26	18 0 7	29°11'41	8♈ 7	28°29	15°26	17°57	21°47	18° 8	27° 8	5°31	17°41	21°24	20°25	24°25	n.a.	T 26
W27	18 4 3	0♋ 8'58	20° 2	27°48	16°31	18°35	21°40	18°12	27° 9	5°33	17°40	21°R25	20°22	24°32	n.a.	W27
T 28	18 8 0	1° 6'17	2♉ 7	27° 8	17°36	19°14	21°32	18°16	27°10	5°35	17°38	21°24	20°19	24°39	n.a.	T 28
F 29	18 11 56	2° 3'37	14°27	26°30	18°41	19°53	21°25	18°20	27°11	5°37	17°37	21°22	20°16	24°45	n.a.	F 29
S 30	18 15 53	3♋ 0'59	27♉ 6	25♊56	19♉47	20♊32	21♐17	18♈24	27♍12	5♎39	17♐35	21♈17	20♈13	24♓52	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n27	14n54	1n10	23n59	0n16	5n15	2s45	21n13	0n31	23s43	0s 6	4n10	2s23	1n50	0n42	19n53	0n38	22s20	0n53	9n10	8n34	5s43		n.a.
S 2	21 37	19 47	2 14	23 46	0 3	5 36	2 46	21 22	0 31	23 43	0 6	4 13	2 23	1 51	0 42	19 53	0 38	22 20	0 53	9 9	8 33	5 40		n.a.
S 3	21 47	23 52	3 12	23 33	0s 9	5 57	2 47	21 30	0 32	23 43	0 6	4 15	2 23	1 51	0 42	19 53	0 38	22 19	0 52	9 7	8 32	5 37		n.a.
M 4	21 56	26 50	4 2	23 20	0 22	6 18	2 48	21 38	0 32	23 43	0 6	4 17	2 23	1 51	0 42	19 52	0 38	22 19	0 52	9 4	8 31	5 33		n.a.
T 5	22 5	28 21	4 39	23 5	0 36	6 39	2 49	21 46	0 33	23 43	0 6	4 19	2 24	1 51	0 42	19 52	0 38	22 19	0 52	9 2	8 30	5 30		n.a.
W 6	22 14	28 13	5 2	22 51	0 50	7 0	2 50	21 54	0 33	23 42	0 6	4 21	2 24	1 51	0 42	19 52	0 38	22 19	0 52	8 59	8 28	5 26		n.a.
T 7	22 22	26 21	5 7	22 36	1 4	7 21	2 51	22 2	0 34	23 42	0 7	4 23	2 24	1 51	0 42	19 51	0 38	22 19	0 52	8 56	8 27	5 23		n.a.
F 8	22 30	22 53	4 55	22 21	1 18	7 43	2 52	22 10	0 34	23 42	0 7	4 25	2 24	1 51	0 42	19 51	0 38	22 19	0 52	8 54	8 26	5 20		n.a.
S 9	22 38	18 5	4 25	22 5	1 33	8 4	2 52	22 17	0 35	23 42	0 7	4 27	2 24	1 51	0 42	19 51	0 38	22 19	0 52	8 53	8 25	5 16		n.a.
S 10	22 45	12 16	3 38	21 50	1 48	8 26	2 52	22 24	0 35	23 42	0 7	4 29	2 25	1 51	0 42	19 50	0 38	22 19	0 52	8 52	8 24	5 13		n.a.
M11	22 51	5 49	2 39	21 35	2 3	8 47	2 52	22 31	0 36	23 41	0 7	4 31	2 25	1 51	0 42	19 50	0 38	22 19	0 52	8 52	8 22	5 10		n.a.
T 12	22 58	0s56	1 29	21 19	2 18	9 9	2 52	22 38	0 36	23 41	0 7	4 32	2 25	1 51	0 42	19 49	0 38	22 19	0 52	8 52	8 21	5 6		n.a.
W13	23 4	7 39	0 14	21 4	2 33	9 30	2 52	22 44	0 37	23 41	0 8	4 34	2 25	1 50	0 42	19 49	0 38	22 19	0 52	8 53	8 20	5 3		n.a.
T 14	23 9	13 59	1s 1	20 50	2 48	9 52	2 52	22 51	0 37	23 41	0 8	4 36	2 25	1 50	0 42	19 49	0 38	22 19	0 51	8 52	8 19	4 59		n.a.
F 15	23 14	19 33	2 13	20 36	3 3	10 13	2 52	22 57	0 38	23 41	0 8	4 38	2 26	1 50	0 42	19 48	0 38	22 19	0 51	8 51	8 18	4 56		n.a.
S 16	23 19	24 0	3 15	20 22	3 17	10 35	2 51	23 3	0 38	23 40	0 8	4 40	2 26	1 50	0 42	19 48	0 38	22 19	0 51	8 50	8 16	4 53		n.a.
S 17	23 23	27 1	4 5	20 10	3 30	10 57	2 51	23 9	0 39	23 40	0 8	4 41	2 26	1 50	0 42	19 47	0 38	22 19	0 51	8 47	8 15	4 49		n.a.
M18	23 27	28 24	4 41	19 58	3 43	11 18	2 50	23 15	0 39	23 40	0 8	4 43	2 26	1 50	0 42	19 47	0 38	22 19	0 51	8 43	8 14	4 46		n.a.
T 19	23 31	28 6	5 0	19 46	3 55	11 39	2 49	23 20	0 40	23 40	0 8	4 45	2 26	1 49	0 42	19 47	0 38	22 19	0 51	8 40	8 13	4 42		n.a.
W20	23 34	26 16	5 3	19 36	4 6	12 1	2 48	23 25	0 40	23 39	0 9	4 46	2 27	1 49	0 41	19 46	0 38	22 19	0 51	8 36	8 11	4 39		n.a.
T 21	23 36	23 9	4 52	19 27	4 16	12 22	2 47	23 31	0 41	23 39	0 9	4 48	2 27	1 49	0 41	19 46	0 38	22 19	0 51	8 32	8 10	4 36		n.a.
F 22	23 38	19 3	4 27	19 19	4 24	12 43	2 46	23 35	0 41	23 39	0 9	4 49	2 27	1 48	0 41	19 45	0 38	22 19	0 51	8 30	8 9	4 32		n.a.
S 23	23 40	14 16	3 50	19 12	4 31	13 4	2 45	23 40	0 42	23 38	0 9	4 51	2 27	1 48	0 41	19 45	0 38	22 19	0 51	8 28	8 8	4 29		n.a.
S 24	23 42	9 0	3 4	19 7	4 37	13 25	2 43	23 45	0 42	23 38	0 9	4 52	2 28	1 48	0 41	19 44	0 38	22 19	0 50	8 27	8 7	4 25		n.a.
M25	23 43	3 28	2 10	19 3	4 40	13 45	2 42	23 49	0 43	23 38	0 9	4 54	2 28	1 47	0 41	19 44	0 38	22 19	0 50	8 27	8 5	4 22		n.a.
T 26	23 43	2n11	1 10	19 0	4 43	14 6	2 40	23 53	0 43	23 37	0 10	4 55	2 28	1 47	0 41	19 43	0 38	22 19	0 50	8 27	8 4	4 19		n.a.
W27	23 43	7 48	0 7	18 59	4 43	14 26	2 39	23 57	0 44	23 37	0 10	4 56	2 28	1 47	0 41	19 43	0 38	22 19	0 50	8 27	8 3	4 15		n.a.
T 28	23 43	13 14	0n57	19 0	4 42	14 46	2 37	24 1	0 44	23 37	0 10	4 58	2 28	1 46	0 41	19 43	0 38	22 19	0 50	8 27	8 2	4 12		n.a.
F 29	23 42	18 16	1 59	19 2	4 39	15 6	2 35	24 5	0 45	23 36	0 10	4 59	2 29	1 46	0 41	19 42	0 38	22 19	0 50	8 26	8 1	4 8		n.a.
S 30	23n41	22n37	2n57	19n 6	4s34	15n26	2s33	24n 8	0n45	23s36	0s10	5n 0	2s29	1n45	0n41	19n42	0n38	22s19	0n50	8n24	7n59	4s 5		n.a.

Julian Day Number = 1644506.5, Delta T = 03h34m30s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'35, Lahiri = - 6°51'34 Julian Calendar 1 June 211 BCE == Greg. Calendar 28 May 211 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

JULY 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 19 49	3♋58'21	10♊ 5	25°R26	20♉53	21♊11	21°R10	18♈28	27♍13	5♎41	17°R34	21°R10	20♈10	24♓59	n.a.	S 1
M 2	18 23 46	4°55'44	23°27	25♊ 0	21°59	21°50	21♐ 3	18°32	27°14	5°43	17♐33	21♈ 1	20° 6	25° 5	n.a.	M 2
T 3	18 27 42	5°53'09	7♋ 9	24°39	23° 5	22°29	20°55	18°35	27°15	5°45	17°31	20°50	20° 3	25°12	n.a.	T 3
W 4	18 31 39	6°50'35	21° 9	24°23	24°11	23° 7	20°48	18°39	27°16	5°47	17°30	20°38	20° 0	25°19	n.a.	W 4
T 5	18 35 36	7°48'01	5♎21	24°13	25°18	23°46	20°41	18°42	27°18	5°49	17°28	20°28	19°57	25°25	n.a.	T 5
F 6	18 39 32	8°45'29	19°40	24°D10	26°24	24°25	20°34	18°45	27°19	5°51	17°27	20°19	19°54	25°32	n.a.	F 6
S 7	18 43 29	9°42'57	4♍ 1	24°13	27°31	25° 3	20°27	18°48	27°21	5°53	17°26	20°13	19°51	25°39	n.a.	S 7
S 8	18 47 25	10°40'27	18°20	24°22	28°38	25°42	20°20	18°52	27°22	5°55	17°24	20° 9	19°47	25°45	n.a.	S 8
M 9	18 51 22	11°37'57	2♏33	24°38	29°45	26°21	20°13	18°55	27°24	5°57	17°23	20° 8	19°44	25°52	n.a.	M 9
T 10	18 55 18	12°35'28	16°40	25° 1	0♊53	26°59	20° 7	18°57	27°25	5°59	17°22	20° 8	19°41	25°59	n.a.	T 10
W11	18 59 15	13°33'00	0♏38	25°31	2° 0	27°38	20° 0	19° 0	27°27	6° 1	17°21	20° 8	19°38	26° 5	n.a.	W11
T 12	19 3 11	14°30'33	14°28	26° 7	3° 8	28°16	19°54	19° 3	27°28	6° 3	17°19	20° 6	19°35	26°12	n.a.	T 12
F 13	19 7 8	15°28'07	28° 9	26°51	4°15	28°55	19°48	19° 6	27°30	6° 5	17°18	20° 2	19°31	26°19	n.a.	F 13
S 14	19 11 5	16°25'42	11♐41	27°40	5°23	29°33	19°41	19° 8	27°32	6° 7	17°17	19°56	19°28	26°25	n.a.	S 14
S 15	19 15 1	17°23'19	25° 3	28°37	6°31	0♋12	19°35	19°11	27°34	6° 9	17°16	19°46	19°25	26°32	n.a.	S 15
M16	19 18 58	18°20'57	8♑12	29°40	7°39	0°50	19°29	19°13	27°36	6°11	17°14	19°35	19°22	26°39	n.a.	M16
T 17	19 22 54	19°18'36	21° 9	0♋48	8°48	1°29	19°24	19°15	27°37	6°14	17°13	19°22	19°19	26°45	n.a.	T 17
W18	19 26 51	20°16'17	3♒51	2° 3	9°56	2° 7	19°18	19°17	27°39	6°16	17°12	19° 9	19°16	26°52	n.a.	W18
T 19	19 30 47	21°13'59	16°18	3°23	11° 5	2°45	19°12	19°19	27°41	6°18	17°11	18°57	19°12	26°59	n.a.	T 19
F 20	19 34 44	22°11'42	28°31	4°49	12°13	3°24	19° 7	19°21	27°43	6°20	17°10	18°47	19° 9	27° 5	n.a.	F 20
S 21	19 38 41	23° 9'28	10♓33	6°20	13°22	4° 2	19° 2	19°23	27°45	6°22	17° 8	18°40	19° 6	27°12	n.a.	S 21
S 22	19 42 37	24° 7'14	22°26	7°55	14°31	4°40	18°57	19°25	27°48	6°24	17° 7	18°36	19° 3	27°19	n.a.	S 22
M23	19 46 34	25° 5'03	4♈15	9°34	15°40	5°19	18°52	19°26	27°50	6°27	17° 6	18°33	19° 0	27°25	n.a.	M23
T 24	19 50 30	26° 2'54	16° 3	11°17	16°49	5°57	18°47	19°28	27°52	6°29	17° 5	18°D33	18°57	27°32	n.a.	T 24
W25	19 54 27	27° 0'46	27°57	13° 3	17°59	6°35	18°42	19°29	27°54	6°31	17° 4	18°R33	18°53	27°38	n.a.	W25
T 26	19 58 23	27°58'41	10♉ 2	14°52	19° 8	7°13	18°38	19°30	27°57	6°33	17° 3	18°32	18°50	27°45	n.a.	T 26
F 27	20 2 20	28°56'37	22°23	16°44	20°18	7°52	18°34	19°31	27°59	6°35	17° 2	18°31	18°47	27°52	n.a.	F 27
S 28	20 6 16	29°54'35	5♊ 4	18°37	21°27	8°30	18°30	19°33	28° 1	6°38	17° 1	18°26	18°44	27°58	n.a.	S 28
S 29	20 10 13	0♎52'36	18°10	20°32	22°37	9° 8	18°26	19°33	28° 4	6°40	17° 0	18°20	18°41	28° 5	n.a.	S 29
M30	20 14 10	1°50'38	1♋43	22°29	23°47	9°46	18°22	19°34	28° 6	6°42	16°59	18°11	18°37	28°12	n.a.	M30
T 31	20 18 6	2♎48'42	15♋40	24♋26	24♊57	10♋24	18♐18	19♈35	28♍ 9	6♎44	16♐58	18♈ 0	18♈34	28♓18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23n40	25n59	3n48	19n11	4s28	15n45	2s31	24n11	0n46	23s36	0s10	5n 2	2s29	1n45	0n41	19n41	0n38	22s19	0n50	8n21	7n58	4s 2			n.a.
M 2	23 38	28 1	4 28	19 18	4 20	16 5	2 29	24 14	0 46	23 35	0 10	5 3	2 29	1 44	0 41	19 41	0 38	22 19	0 50	8 18	7 57	3 58			n.a.
T 3	23 35	28 24	4 53	19 26	4 11	16 23	2 27	24 17	0 47	23 35	0 11	5 4	2 30	1 44	0 41	19 40	0 38	22 18	0 49	8 14	7 56	3 55			n.a.
W 4	23 33	27 0	5 1	19 36	4 1	16 42	2 25	24 20	0 47	23 35	0 11	5 5	2 30	1 43	0 41	19 40	0 38	22 18	0 49	8 9	7 55	3 51			n.a.
T 5	23 29	23 51	4 51	19 47	3 49	17 0	2 23	24 22	0 48	23 34	0 11	5 6	2 30	1 43	0 41	19 39	0 38	22 18	0 49	8 5	7 53	3 48			n.a.
F 6	23 26	19 15	4 23	19 59	3 37	17 18	2 20	24 24	0 48	23 34	0 11	5 7	2 30	1 42	0 41	19 39	0 38	22 18	0 49	8 2	7 52	3 45			n.a.
S 7	23 22	13 32	3 38	20 13	3 23	17 36	2 18	24 26	0 49	23 34	0 11	5 8	2 31	1 41	0 41	19 38	0 38	22 18	0 49	7 59	7 51	3 41			n.a.
S 8	23 17	7 7	2 40	20 27	3 9	17 54	2 15	24 28	0 49	23 33	0 11	5 9	2 31	1 41	0 41	19 38	0 38	22 18	0 49	7 58	7 50	3 38			n.a.
M 9	23 12	0 22	1 32	20 43	2 54	18 11	2 13	24 30	0 49	23 33	0 11	5 10	2 31	1 40	0 41	19 37	0 38	22 18	0 49	7 58	7 48	3 34			n.a.
T 10	23 7	6s20	0 18	20 59	2 39	18 27	2 10	24 31	0 50	23 33	0 12	5 11	2 31	1 40	0 41	19 37	0 38	22 18	0 49	7 58	7 47	3 31			n.a.
W11	23 1	12 41	0s55	21 15	2 24	18 44	2 7	24 32	0 50	23 32	0 12	5 12	2 32	1 39	0 41	19 36	0 38	22 18	0 49	7 57	7 46	3 28			n.a.
T 12	22 55	18 21	2 5	21 32	2 8	19 0	2 5	24 33	0 51	23 32	0 12	5 12	2 32	1 38	0 41	19 36	0 38	22 18	0 49	7 57	7 45	3 24			n.a.
F 13	22 49	23 1	3 6	21 49	1 52	19 15	2 2	24 34	0 51	23 31	0 12	5 13	2 32	1 37	0 41	19 35	0 38	22 18	0 48	7 55	7 44	3 21			n.a.
S 14	22 42	26 22	3 57	22 6	1 36	19 30	1 59	24 35	0 52	23 31	0 12	5 14	2 32	1 37	0 40	19 34	0 38	22 18	0 48	7 53	7 42	3 17			n.a.
S 15	22 35	28 11	4 33	22 23	1 20	19 45	1 56	24 36	0 52	23 31	0 12	5 15	2 33	1 36	0 40	19 34	0 38	22 18	0 48	7 49	7 41	3 14			n.a.
M16	22 27	28 22	4 54	22 39	1 5	19 59	1 53	24 36	0 53	23 30	0 12	5 15	2 33	1 35	0 40	19 33	0 38	22 18	0 48	7 45	7 40	3 10			n.a.
T 17	22 19	26 58	5 0	22 54	0 49	20 13	1 50	24 36	0 53	23 30	0 13	5 16	2 33	1 34	0 40	19 33	0 38	22 18	0 48	7 40	7 39	3 7			n.a.
W18	22 10	24 13	4 50	23 8	0 34	20 26	1 47	24 36	0 54	23 30	0 13	5 16	2 33	1 33	0 40	19 32	0 38	22 18	0 48	7 35	7 38	3 4			n.a.
T 19	22 1	20 23	4 27	23 21	0 20	20 39	1 44	24 36	0 54	23 29	0 13	5 17	2 34	1 33	0 40	19 32	0 38	22 18	0 48	7 31	7 36	3 0			n.a.
F 20	21 52	15 44	3 52	23 32	0 6	20 52	1 41	24 35	0 54	23 29	0 13	5 17	2 34	1 32	0 40	19 31	0 38	22 18	0 48	7 27	7 35	2 57			n.a.
S 21	21 43	10 34	3 7	23 41	0n 7	21 3	1 38	24 34	0 55	23 29	0 13	5 18	2 34	1 31	0 40	19 31	0 38	22 18	0 48	7 24	7 34	2 53			n.a.
S 22	21 33	5 5	2 14	23 49	0 20	21 15	1 35	24 34	0 55	23 29	0 13	5 18	2 35	1 30	0 40	19 30	0 38	22 18	0 47	7 22	7 33	2 50			n.a.
M23	21 22	0n34	1 15	23 54	0 31	21 26	1 31	24 33	0 56	23 28	0 13	5 19	2 35	1 29	0 40	19 30	0 38	22 18	0 47	7 21	7 31	2 46			n.a.
T 24	21 11	6 11	0 13	23 56	0 42	21 36	1 28	24 31	0 56	23 28	0 13	5 19	2 35	1 28	0 40	19 29	0 38	22 18	0 47	7 21	7 30	2 43			n.a.
W25	21 0	11 38	0n50	23 57	0 53	21 46	1 25	24 30	0 57	23 28	0 14	5 19	2 35	1 27	0 40	19 29	0 38	22 18	0 47	7 21	7 29	2 40			n.a.
T 26	20 49	16 45	1 51	23 54	1 2	21 55	1 22	24 28	0 57	23 27	0 14	5 19	2 36	1 26	0 40	19 28	0 38	22 18	0 47	7 21	7 28	2 36			n.a.
F 27	20 37	21 18	2 49	23 49	1 10	22 4	1 18	24 27	0 57	23 27	0 14	5 20	2 36	1 25	0 40	19 27	0 38	22 18	0 47	7 20	7 27	2 33			n.a.
S 28	20 25	25 0	3 40	23 42	1 18	22 12	1 15	24 25	0 58	23 27	0 14	5 20	2 36	1 24	0 40	19 27	0 38	22 18	0 47	7 19	7 25	2 29			n.a.
S 29	20 12	27 32	4 21	23 31	1 24	22 19	1 12	24 22	0 58	23 27	0 14	5 20	2 36	1 23	0 40	19 26	0 38	22 18	0 47	7 16	7 24	2 26			n.a.
M30	19 59	28 32	4 49	23 18	1 30	22 26	1 8	24 20	0 59	23 26	0 14	5 20	2 37	1 22	0 40	19 26	0 38	22 18	0 46	7 13	7 23	2 22			n.a.
T 31	19n46	27n47	5n 1	23n 3	1n35	22n33	1s 5	24n18	0n59	23s26	0s14	5n20	2s37	1n21	0n40	19n25	0n38	22s18	0n46	7n 9	7n22	2s19			n.a.

Julian Day Number = 1644536.5, Delta T = 03h34m29s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'31, Lahiri = - 6°51'30 Julian Calendar 1 July 211 BCE == Greg. Calendar 27 June 211 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

AUGUST 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 22 3	3♌46'48	0♌ 0	26♋23	26♊ 7	11♋ 2	18°R15	19♈36	28♍11	6♌47	16°R57	17°R49	18♈31	28♓25	n.a.	W 1
T 2	20 25 59	4°44'56	14°36	28°21	27°18	11°40	18♐12	19°36	28°14	6°49	16♐57	17♈38	18°28	28°32	n.a.	T 2
F 3	20 29 56	5°43'05	29°20	0♌19	28°28	12°18	18° 9	19°37	28°16	6°51	16°56	17°30	18°25	28°38	n.a.	F 3
S 4	20 33 52	6°41'16	14♍ 5	2°17	29°39	12°56	18° 6	19°37	28°19	6°53	16°55	17°23	18°22	28°45	n.a.	S 4
S 5	20 37 49	7°39'29	28°44	4°14	0♋49	13°34	18° 3	19°37	28°22	6°55	16°54	17°20	18°18	28°52	n.a.	S 5
M 6	20 41 45	8°37'43	13♎12	6°10	2° 0	14°12	18° 1	19°R37	28°24	6°58	16°53	17°D19	18°15	28°58	n.a.	M 6
T 7	20 45 42	9°35'59	27°25	8° 6	3°11	14°50	17°58	19°37	28°27	7° 0	16°52	17°19	18°12	29° 5	n.a.	T 7
W 8	20 49 38	10°34'16	11♏22	10° 1	4°21	15°28	17°56	19°37	28°30	7° 2	16°52	17°R19	18° 9	29°12	n.a.	W 8
T 9	20 53 35	11°32'36	25° 4	11°55	5°32	16° 6	17°54	19°37	28°33	7° 4	16°51	17°18	18° 6	29°18	n.a.	T 9
F 10	20 57 32	12°30'56	8♐32	13°48	6°43	16°44	17°52	19°36	28°36	7° 7	16°50	17°16	18° 2	29°25	n.a.	F 10
S 11	21 1 28	13°29'19	21°45	15°41	7°55	17°22	17°51	19°36	28°39	7° 9	16°50	17°10	17°59	29°32	n.a.	S 11
S 12	21 5 25	14°27'43	4♑46	17°32	9° 6	18° 0	17°49	19°35	28°42	7°11	16°49	17° 3	17°56	29°38	n.a.	S 12
M13	21 9 21	15°26'09	17°35	19°22	10°17	18°38	17°48	19°35	28°45	7°13	16°48	16°53	17°53	29°45	n.a.	M13
T 14	21 13 18	16°24'37	0♒12	21°11	11°29	19°16	17°47	19°34	28°48	7°15	16°48	16°42	17°50	29°52	n.a.	T 14
W15	21 17 14	17°23'07	12°38	22°59	12°40	19°53	17°47	19°33	28°51	7°18	16°47	16°31	17°47	29°58	n.a.	W15
T 16	21 21 11	18°21'39	24°52	24°46	13°52	20°31	17°46	19°32	28°54	7°20	16°47	16°21	17°43	0♈ 5	n.a.	T 16
F 17	21 25 8	19°20'12	6♓57	26°31	15° 4	21° 9	17°46	19°31	28°57	7°22	16°46	16°13	17°40	0°12	n.a.	F 17
S 18	21 29 4	20°18'48	18°52	28°16	16°15	21°47	17°45	19°30	29° 0	7°24	16°46	16° 7	17°37	0°18	n.a.	S 18
S 19	21 33 1	21°17'26	0♈42	29°59	17°27	22°24	17°D45	19°28	29° 3	7°26	16°45	16° 3	17°34	0°25	n.a.	S 19
M20	21 36 57	22°16'06	12°29	1♍42	18°39	23° 2	17°45	19°27	29° 6	7°29	16°45	16°D 2	17°31	0°32	n.a.	M20
T 21	21 40 54	23°14'48	24°16	3°24	19°51	23°40	17°46	19°25	29° 9	7°31	16°45	16° 2	17°28	0°38	n.a.	T 21
W22	21 44 50	24°13'33	6♉ 9	5° 5	21° 4	24°17	17°46	19°24	29°13	7°33	16°44	16° 3	17°24	0°45	n.a.	W22
T 23	21 48 47	25°12'20	18°12	6°44	22°16	24°55	17°47	19°22	29°16	7°35	16°44	16° 4	17°21	0°51	n.a.	T 23
F 24	21 52 43	26°11'10	0♊31	8°23	23°28	25°33	17°48	19°20	29°19	7°37	16°44	16°R 4	17°18	0°58	n.a.	F 24
S 25	21 56 40	27°10'02	13°10	10° 0	24°41	26°10	17°49	19°18	29°23	7°39	16°43	16° 3	17°15	1° 5	n.a.	S 25
S 26	22 0 36	28° 8'56	26°14	11°37	25°53	26°48	17°51	19°16	29°26	7°41	16°43	15°59	17°12	1°11	n.a.	S 26
M27	22 4 33	29° 7'53	9♋46	13°13	27° 6	27°25	17°52	19°14	29°29	7°44	16°43	15°54	17° 8	1°18	n.a.	M27
T 28	22 8 30	0♍ 6'52	23°47	14°48	28°19	28° 3	17°54	19°12	29°33	7°46	16°43	15°48	17° 5	1°25	n.a.	T 28
W29	22 12 26	1° 5'54	8♌14	16°22	29°31	28°40	17°56	19° 9	29°36	7°48	16°43	15°41	17° 2	1°31	n.a.	W29
T 30	22 16 23	2° 4'57	23° 2	17°55	0♌44	29°18	17°58	19° 7	29°40	7°50	16°42	15°34	16°59	1°38	n.a.	T 30
F 31	22 20 19	3♍ 4'03	8♍ 3	19♍27	1♌57	29♋55	18♐ 0	19♈ 4	29♍43	7♌52	16♐42	15♈28	16♈56	1♈45	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	19n32	25n11	4n55	22n45	1n39	22n39	1s 1	24n15	1n 0	23s26	0s14	5n20	2s37	1n20	0n40	19n25	0n38	22s18	0n46	7n 4	7n20	2s16		n.a.
T 2	19 18	20 56	4 29	22 24	1 42	22 44	0 58	24 12	1 0	23 26	0 14	5 20	2 37	1 19	0 40	19 24	0 38	22 18	0 46	7 0	7 19	2 12		n.a.
F 3	19 4	15 21	3 46	22 2	1 45	22 48	0 55	24 9	1 0	23 26	0 15	5 20	2 38	1 18	0 40	19 23	0 38	22 19	0 46	6 57	7 18	2 9		n.a.
S 4	18 49	8 53	2 47	21 37	1 46	22 52	0 51	24 6	1 1	23 26	0 15	5 20	2 38	1 17	0 40	19 23	0 38	22 19	0 46	6 54	7 17	2 5		n.a.
S 5	18 34	1 59	1 37	21 10	1 47	22 55	0 48	24 2	1 1	23 25	0 15	5 19	2 38	1 16	0 40	19 22	0 38	22 19	0 46	6 53	7 16	2 2		n.a.
M 6	18 19	4s56	0 22	20 41	1 48	22 58	0 44	23 59	1 2	23 25	0 15	5 19	2 39	1 15	0 40	19 22	0 38	22 19	0 46	6 53	7 14	1 58		n.a.
T 7	18 4	11 30	0s54	20 11	1 47	23 0	0 41	23 55	1 2	23 25	0 15	5 19	2 39	1 14	0 40	19 21	0 38	22 19	0 46	6 53	7 13	1 55		n.a.
W 8	17 48	17 23	2 4	19 39	1 46	23 1	0 38	23 51	1 3	23 25	0 15	5 19	2 39	1 12	0 40	19 21	0 38	22 19	0 45	6 53	7 12	1 51		n.a.
T 9	17 31	22 17	3 7	19 6	1 45	23 2	0 34	23 47	1 3	23 25	0 15	5 18	2 39	1 11	0 40	19 20	0 38	22 19	0 45	6 52	7 11	1 48		n.a.
F 10	17 15	25 54	3 58	18 31	1 43	23 2	0 31	23 43	1 3	23 25	0 15	5 18	2 40	1 10	0 40	19 20	0 38	22 19	0 45	6 51	7 9	1 45		n.a.
S 11	16 58	28 2	4 35	17 55	1 40	23 2	0 27	23 38	1 4	23 25	0 15	5 18	2 40	1 9	0 40	19 19	0 38	22 19	0 45	6 49	7 8	1 41		n.a.
S 12	16 41	28 35	4 57	17 18	1 37	23 0	0 24	23 33	1 4	23 25	0 16	5 17	2 40	1 8	0 39	19 18	0 38	22 19	0 45	6 46	7 7	1 38		n.a.
M13	16 24	27 34	5 4	16 40	1 34	22 59	0 21	23 29	1 5	23 25	0 16	5 17	2 40	1 6	0 39	19 18	0 38	22 19	0 45	6 43	7 6	1 34		n.a.
T 14	16 6	25 9	4 55	16 2	1 30	22 56	0 17	23 24	1 5	23 25	0 16	5 16	2 41	1 5	0 39	19 17	0 38	22 19	0 45	6 38	7 5	1 31		n.a.
W15	15 48	21 35	4 33	15 22	1 26	22 53	0 14	23 19	1 5	23 25	0 16	5 15	2 41	1 4	0 39	19 17	0 38	22 19	0 45	6 34	7 3	1 27		n.a.
T 16	15 30	17 8	3 59	14 42	1 22	22 49	0 11	23 13	1 6	23 25	0 16	5 15	2 41	1 3	0 39	19 16	0 38	22 19	0 45	6 30	7 2	1 24		n.a.
F 17	15 12	12 3	3 14	14 1	1 17	22 44	0 7	23 8	1 6	23 25	0 16	5 14	2 41	1 1	0 39	19 16	0 38	22 19	0 44	6 27	7 1	1 20		n.a.
S 18	14 53	6 36	2 20	13 20	1 12	22 39	0 4	23 2	1 7	23 25	0 16	5 14	2 42	1 0	0 39	19 15	0 38	22 19	0 44	6 25	7 0	1 17		n.a.
S 19	14 34	0 58	1 21	12 38	1 6	22 33	0 1	22 56	1 7	23 25	0 16	5 13	2 42	0 59	0 39	19 15	0 38	22 19	0 44	6 23	6 58	1 14		n.a.
M20	14 15	4n42	0 19	11 56	1 1	22 27	0n 2	22 50	1 7	23 25	0 16	5 12	2 42	0 58	0 39	19 14	0 38	22 19	0 44	6 23	6 57	1 10		n.a.
T 21	13 56	10 12	0n44	11 14	0 55	22 19	0 5	22 44	1 8	23 25	0 16	5 11	2 42	0 56	0 39	19 13	0 38	22 20	0 44	6 23	6 56	1 7		n.a.
W22	13 36	15 24	1 46	10 31	0 49	22 11	0 8	22 38	1 8	23 26	0 16	5 10	2 43	0 55	0 39	19 13	0 38	22 20	0 44	6 23	6 55	1 3		n.a.
T 23	13 16	20 5	2 45	9 48	0 42	22 3	0 12	22 32	1 9	23 26	0 17	5 9	2 43	0 54	0 39	19 12	0 38	22 20	0 44	6 24	6 54	1 0		n.a.
F 24	12 56	24 2	3 37	9 5	0 36	21 54	0 15	22 25	1 9	23 26	0 17	5 9	2 43	0 52	0 39	19 12	0 38	22 20	0 44	6 24	6 52	0 56		n.a.
S 25	12 36	26 56	4 20	8 22	0 29	21 44	0 18	22 18	1 9	23 26	0 17	5 8	2 43	0 51	0 39	19 11	0 38	22 20	0 43	6 23	6 51	0 53		n.a.
S 26	12 15	28 31	4 51	7 38	0 23	21 33	0 21	22 11	1 10	23 26	0 17	5 7	2 44	0 50	0 39	19 11	0 38	22 20	0 43	6 22	6 50	0 49		n.a.
M27	11 55	28 28	5 7	6 55	0 16	21 22	0 24	22 4	1 10	23 27	0 17	5 6	2 44	0 48	0 39	19 10	0 38	22 20	0 43	6 20	6 49	0 46		n.a.
T 28	11 34	26 37	5 6	6 12	0 9	21 11	0 26	21 57	1 11	23 27	0 17	5 4	2 44	0 47	0 39	19 10	0 38	22 20	0 43	6 17	6 47	0 42		n.a.
W29	11 13	23 0	4 45	5 28	0 2	20 58	0 29	21 50	1 11	23 27	0 17	5 3	2 44	0 45	0 39	19 9	0 38	22 20	0 43	6 14	6 46	0 39		n.a.
T 30	10 51	17 52	4 6	4 45	0s 5	20 45	0 32	21 42	1 11	23 27	0 17	5 2	2 44	0 44	0 39	19 9	0 38	22 20	0 43	6 12	6 45	0 36		n.a.
F 31	10n30	11n33	3n 8	4n 2	0s13	20n32	0n35	21n35	1n12	23s28	0s17	5n 1	2s45	0n43	0n39	19n 8	0n38	22s20	0n43	6n10	6n44	0s32		n.a.

Julian Day Number = 1644567.5, Delta T = 03h34m28s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'26, Lahiri = - 6°51'26 Julian Calendar 1 Aug. 211 BCE == Greg. Calendar 28 July 211 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

SEPTEMBER 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 24 16	4♍ 3'11	23♍ 9	20♍58	3♌10	0♌33	18♐ 3	19°R 2	29♍47	7♌54	16°R42	15°R24	16♈53	1♈51	n.a.	S 1
S 2	22 28 12	5° 2'21	8♎10	22°29	4°23	1°10	18° 5	18♈59	29°50	7°56	16♐42	15♈23	16°49	1°58	n.a.	S 2
M 3	22 32 9	6° 1'32	22°57	23°58	5°36	1°48	18° 8	18°56	29°54	7°58	16°D42	15°D23	16°46	2° 5	n.a.	M 3
T 4	22 36 5	7° 0'46	7♏26	25°27	6°50	2°25	18°11	18°53	29°57	8° 0	16°42	15°24	16°43	2°11	n.a.	T 4
W 5	22 40 2	8° 0'02	21°34	26°55	8° 3	3° 2	18°15	18°50	0♎ 1	8° 2	16°42	15°25	16°40	2°18	n.a.	W 5
T 6	22 43 59	8°59'19	5♐19	28°22	9°16	3°40	18°18	18°47	0° 4	8° 4	16°42	15°R26	16°37	2°25	n.a.	T 6
F 7	22 47 55	9°58'39	18°43	29°48	10°30	4°17	18°22	18°44	0° 8	8° 6	16°42	15°26	16°34	2°31	n.a.	F 7
S 8	22 51 52	10°58'00	1♑48	1♎13	11°43	4°54	18°25	18°41	0°11	8° 8	16°43	15°24	16°30	2°38	n.a.	S 8
S 9	22 55 48	11°57'23	14°36	2°37	12°56	5°32	18°29	18°37	0°15	8°10	16°43	15°20	16°27	2°45	n.a.	S 9
M10	22 59 45	12°56'48	27°10	4° 0	14°10	6° 9	18°34	18°34	0°19	8°12	16°43	15°16	16°24	2°51	n.a.	M10
T 11	23 3 41	13°56'15	9♒31	5°22	15°24	6°46	18°38	18°30	0°22	8°14	16°43	15°10	16°21	2°58	n.a.	T 11
W12	23 7 38	14°55'44	21°42	6°43	16°37	7°23	18°42	18°27	0°26	8°16	16°43	15° 5	16°18	3° 4	n.a.	W12
T 13	23 11 34	15°55'15	3♓44	8° 3	17°51	8° 1	18°47	18°23	0°30	8°17	16°44	15° 0	16°14	3°11	n.a.	T 13
F 14	23 15 31	16°54'48	15°40	9°22	19° 5	8°38	18°52	18°19	0°33	8°19	16°44	14°56	16°11	3°18	n.a.	F 14
S 15	23 19 27	17°54'23	27°31	10°39	20°19	9°15	18°57	18°15	0°37	8°21	16°44	14°53	16° 8	3°24	n.a.	S 15
S 16	23 23 24	18°54'00	9♈18	11°55	21°33	9°52	19° 2	18°11	0°41	8°23	16°45	14°D52	16° 5	3°31	n.a.	S 16
M17	23 27 21	19°53'40	21° 5	13°10	22°47	10°29	19° 8	18° 7	0°45	8°25	16°45	14°52	16° 2	3°38	n.a.	M17
T 18	23 31 17	20°53'21	2♉55	14°23	24° 1	11° 6	19°13	18° 3	0°48	8°26	16°46	14°53	15°59	3°44	n.a.	T 18
W19	23 35 14	21°53'05	14°50	15°35	25°15	11°43	19°19	17°59	0°52	8°28	16°46	14°54	15°55	3°51	n.a.	W19
T 20	23 39 10	22°52'52	26°54	16°44	26°29	12°20	19°25	17°55	0°56	8°30	16°47	14°56	15°52	3°58	n.a.	T 20
F 21	23 43 7	23°52'40	9♊12	17°52	27°43	12°58	19°31	17°51	0°59	8°32	16°47	14°57	15°49	4° 4	n.a.	F 21
S 22	23 47 3	24°52'31	21°48	18°58	28°58	13°35	19°37	17°47	1° 3	8°33	16°48	14°R58	15°46	4°11	n.a.	S 22
S 23	23 51 0	25°52'25	4♋47	20° 1	0♍12	14°12	19°43	17°42	1° 7	8°35	16°48	14°58	15°43	4°18	n.a.	S 23
M24	23 54 56	26°52'20	18°11	21° 1	1°27	14°49	19°50	17°38	1°11	8°37	16°49	14°57	15°40	4°24	n.a.	M24
T 25	23 58 53	27°52'19	2♌ 3	21°59	2°41	15°25	19°56	17°33	1°15	8°38	16°50	14°55	15°36	4°31	n.a.	T 25
W26	0 2 50	28°52'19	16°22	22°54	3°55	16° 2	20° 3	17°29	1°18	8°40	16°50	14°53	15°33	4°38	n.a.	W26
T 27	0 6 46	29°52'21	1♍ 6	23°45	5°10	16°39	20°10	17°24	1°22	8°41	16°51	14°51	15°30	4°44	n.a.	T 27
F 28	0 10 43	0♎52'26	16° 8	24°32	6°25	17°16	20°17	17°20	1°26	8°43	16°52	14°49	15°27	4°51	n.a.	F 28
S 29	0 14 39	1°52'32	1♎20	25°15	7°39	17°53	20°25	17°15	1°30	8°44	16°53	14°48	15°24	4°57	n.a.	S 29
S 30	0 18 36	2♎52'41	16♎33	25♎52	8♍54	18♌30	20♐32	17♈11	1♎33	8♌46	16♐53	14°D48	15♈20	5♈ 4	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n 8	4n33	1n58	3n19	0s20	20n17	0n38	21n27	1n12	23s28	0s17	5n 0	2s45	0n41	0n39	19n 8	0n38	22s21	0n43	6n 8	6n42	0s29		n.a.
S 2	9 46	2s40	0 39	2 36	0 27	20 2	0 40	21 19	1 13	23 28	0 17	4 59	2 45	0 40	0 39	19 7	0 38	22 21	0 43	6 7	6 41	0 25		n.a.
M 3	9 25	9 40	0s41	1 54	0 34	19 47	0 43	21 11	1 13	23 29	0 17	4 57	2 45	0 38	0 39	19 7	0 38	22 21	0 42	6 7	6 40	0 22		n.a.
T 4	9 2	16 0	1 57	1 12	0 42	19 31	0 45	21 3	1 13	23 29	0 18	4 56	2 45	0 37	0 39	19 6	0 38	22 21	0 42	6 8	6 39	0 18		n.a.
W 5	8 40	21 20	3 4	0 30	0 49	19 14	0 48	20 54	1 14	23 29	0 18	4 55	2 46	0 35	0 39	19 6	0 38	22 21	0 42	6 8	6 38	0 15		n.a.
T 6	8 18	25 21	3 59	0s12	0 56	18 57	0 50	20 46	1 14	23 30	0 18	4 53	2 46	0 34	0 39	19 5	0 39	22 21	0 42	6 9	6 36	0 11		n.a.
F 7	7 55	27 52	4 39	0 53	1 4	18 40	0 53	20 37	1 15	23 30	0 18	4 52	2 46	0 32	0 39	19 5	0 39	22 21	0 42	6 9	6 35	0 8		n.a.
S 8	7 32	28 46	5 3	1 34	1 11	18 21	0 55	20 28	1 15	23 30	0 18	4 51	2 46	0 31	0 39	19 4	0 39	22 21	0 42	6 8	6 34	0 4		n.a.
S 9	7 9	28 5	5 12	2 15	1 18	18 3	0 57	20 20	1 15	23 31	0 18	4 49	2 46	0 30	0 39	19 4	0 39	22 22	0 42	6 7	6 33	0 1		n.a.
M10	6 47	25 58	5 5	2 54	1 25	17 43	0 59	20 11	1 16	23 31	0 18	4 48	2 47	0 28	0 39	19 3	0 39	22 22	0 42	6 5	6 31	0n 2		n.a.
T 11	6 23	22 39	4 45	3 34	1 32	17 23	1 2	20 2	1 16	23 32	0 18	4 46	2 47	0 27	0 39	19 3	0 39	22 22	0 41	6 3	6 30	0 6		n.a.
W12	6 0	18 24	4 11	4 13	1 39	17 3	1 4	19 52	1 16	23 32	0 18	4 45	2 47	0 25	0 39	19 2	0 39	22 22	0 41	6 0	6 29	0 9		n.a.
T 13	5 37	13 27	3 27	4 51	1 46	16 42	1 6	19 43	1 17	23 33	0 18	4 43	2 47	0 24	0 39	19 2	0 39	22 22	0 41	5 59	6 28	0 13		n.a.
F 14	5 14	8 4	2 34	5 29	1 53	16 21	1 8	19 33	1 17	23 33	0 18	4 41	2 47	0 22	0 39	19 1	0 39	22 22	0 41	5 57	6 26	0 16		n.a.
S 15	4 50	2 26	1 34	6 5	1 59	15 59	1 10	19 24	1 18	23 34	0 18	4 40	2 47	0 21	0 39	19 1	0 39	22 22	0 41	5 56	6 25	0 20		n.a.
S 16	4 27	3n16	0 31	6 41	2 6	15 37	1 11	19 14	1 18	23 34	0 18	4 38	2 48	0 19	0 39	19 0	0 39	22 23	0 41	5 55	6 24	0 23		n.a.
M17	4 3	8 51	0n34	7 17	2 12	15 14	1 13	19 4	1 18	23 35	0 18	4 37	2 48	0 18	0 39	19 0	0 39	22 23	0 41	5 55	6 23	0 27		n.a.
T 18	3 39	14 9	1 38	7 51	2 18	14 51	1 15	18 54	1 19	23 35	0 19	4 35	2 48	0 16	0 39	19 0	0 39	22 23	0 41	5 56	6 21	0 30		n.a.
W19	3 15	18 59	2 38	8 24	2 24	14 27	1 16	18 44	1 19	23 36	0 19	4 33	2 48	0 15	0 39	18 59	0 39	22 23	0 41	5 56	6 20	0 34		n.a.
T 20	2 51	23 8	3 32	8 57	2 29	14 3	1 18	18 34	1 19	23 36	0 19	4 32	2 48	0 13	0 39	18 59	0 39	22 23	0 40	5 57	6 19	0 37		n.a.
F 21	2 28	26 19	4 17	9 28	2 34	13 39	1 20	18 24	1 20	23 37	0 19	4 30	2 48	0 12	0 39	18 58	0 39	22 23	0 40	5 58	6 18	0 41		n.a.
S 22	2 4	28 18	4 51	9 58	2 39	13 14	1 21	18 13	1 20	23 37	0 19	4 28	2 48	0 10	0 39	18 58	0 39	22 24	0 40	5 58	6 17	0 44		n.a.
S 23	1 40	28 49	5 11	10 26	2 44	12 49	1 22	18 3	1 21	23 38	0 19	4 26	2 48	0 9	0 39	18 57	0 39	22 24	0 40	5 58	6 15	0 47		n.a.
M24	1 15	27 41	5 16	10 53	2 48	12 23	1 24	17 52	1 21	23 39	0 19	4 25	2 48	0 7	0 39	18 57	0 39	22 24	0 40	5 57	6 14	0 51		n.a.
T 25	0 51	24 50	5 2	11 19	2 52	11 57	1 25	17 42	1 21	23 39	0 19	4 23	2 49	0 5	0 39	18 57	0 39	22 24	0 40	5 57	6 13	0 54		n.a.
W26	0 27	20 24	4 30	11 42	2 55	11 31	1 26	17 31	1 22	23 40	0 19	4 21	2 49	0 4	0 39	18 56	0 39	22 24	0 40	5 56	6 12	0 58		n.a.
T 27	0 3	14 37	3 39	12 4	2 57	11 4	1 27	17 20	1 22	23 40	0 19	4 19	2 49	0 2	0 39	18 56	0 39	22 24	0 40	5 55	6 10	1 1		n.a.
F 28	0s21	7 52	2 32	12 23	2 59	10 37	1 28	17 9	1 22	23 41	0 19	4 17	2 49	0 1	0 39	18 55	0 39	22 25	0 39	5 54	6 9	1 5		n.a.
S 29	0 45	0 35	1 14	12 40	3 0	10 10	1 29	16 58	1 23	23 42	0 19	4 15	2 49	0s 1	0 39	18 55	0 39	22 25	0 39	5 54	6 8	1 8		n.a.
S 30	1s 9	6s44	0s10	12s55	3s 1	9n43	1n30	16n47	1n23	23s42	0s19	4n14	2s49	0s 2	0n39	18n55	0n39	22s25	0n39	5n54	6n 7	1n12		n.a.

Julian Day Number = 1644598.5, Delta T = 03h34m27s
Ecliptic obliquity = 23°43'24, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'22, Lahiri = - 6°51'22 Julian Calendar 1 Sept. 211 BCE == Greg. Calendar 28 Aug. 211 BCE

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

OCTOBER 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 22 32	3♎52'51	1♏37	26♎25	10♍ 9	19♌ 7	20♐40	17°R 6	1♎37	8♌47	16♐54	14♈48	15♈17	5♈11	n.a.	M 1
T 2	0 26 29	4°53'04	16°23	26°52	11°23	19°43	20°48	17♈ 1	1°41	8°49	16°55	14°49	15°14	5°17	n.a.	T 2
W 3	0 30 25	5°53'18	0♐46	27°12	12°38	20°20	20°55	16°56	1°45	8°50	16°56	14°50	15°11	5°24	n.a.	W 3
T 4	0 34 22	6°53'34	14°44	27°24	13°53	20°57	21° 4	16°52	1°49	8°52	16°57	14°51	15° 8	5°31	n.a.	T 4
F 5	0 38 19	7°53'51	28°15	27°R29	15° 8	21°34	21°12	16°47	1°52	8°53	16°58	14°51	15° 5	5°37	n.a.	F 5
S 6	0 42 15	8°54'10	11♑21	27°26	16°23	22°10	21°20	16°42	1°56	8°54	16°59	14°R51	15° 1	5°44	n.a.	S 6
S 7	0 46 12	9°54'30	24° 6	27°13	17°38	22°47	21°29	16°37	2° 0	8°55	17° 0	14°51	14°58	5°51	n.a.	S 7
M 8	0 50 8	10°54'52	6♒32	26°51	18°52	23°23	21°37	16°32	2° 4	8°57	17° 1	14°51	14°55	5°57	n.a.	M 8
T 9	0 54 5	11°55'16	18°44	26°19	20° 7	24° 0	21°46	16°27	2° 7	8°58	17° 2	14°50	14°52	6° 4	n.a.	T 9
W10	0 58 1	12°55'41	0♓45	25°37	21°22	24°36	21°55	16°22	2°11	8°59	17° 3	14°50	14°49	6°11	n.a.	W10
T 11	1 1 58	13°56'07	12°39	24°45	22°37	25°13	22° 4	16°17	2°15	9° 0	17° 4	14°50	14°45	6°17	n.a.	T 11
F 12	1 5 54	14°56'35	24°28	23°45	23°53	25°49	22°13	16°12	2°19	9° 2	17° 5	14°D50	14°42	6°24	n.a.	F 12
S 13	1 9 51	15°57'05	6♈16	22°36	25° 8	26°26	22°22	16° 7	2°22	9° 3	17° 6	14°50	14°39	6°31	n.a.	S 13
S 14	1 13 47	16°57'36	18° 5	21°22	26°23	27° 2	22°31	16° 3	2°26	9° 4	17° 8	14°R50	14°36	6°37	n.a.	S 14
M15	1 17 44	17°58'09	29°56	20° 3	27°38	27°39	22°41	15°58	2°30	9° 5	17° 9	14°50	14°33	6°44	n.a.	M15
T 16	1 21 41	18°58'44	11♉52	18°42	28°53	28°15	22°51	15°53	2°33	9° 6	17°10	14°49	14°30	6°50	n.a.	T 16
W17	1 25 37	19°59'21	23°55	17°22	0♎ 8	28°51	23° 0	15°48	2°37	9° 7	17°11	14°49	14°26	6°57	n.a.	W17
T 18	1 29 34	20°59'59	6♊ 7	16° 6	1°23	29°28	23°10	15°43	2°41	9° 8	17°13	14°48	14°23	7° 4	n.a.	T 18
F 19	1 33 30	22° 0'39	18°32	14°55	2°39	0♍ 4	23°20	15°38	2°44	9° 9	17°14	14°47	14°20	7°10	n.a.	F 19
S 20	1 37 27	23° 1'21	1♋11	13°53	3°54	0°40	23°30	15°33	2°48	9°10	17°15	14°46	14°17	7°17	n.a.	S 20
S 21	1 41 23	24° 2'04	14° 8	13° 0	5° 9	1°16	23°40	15°28	2°51	9°10	17°17	14°46	14°14	7°24	n.a.	S 21
M22	1 45 20	25° 2'50	27°25	12°19	6°25	1°53	23°51	15°23	2°55	9°11	17°18	14°D45	14°11	7°30	n.a.	M22
T 23	1 49 17	26° 3'37	11♌ 5	11°49	7°40	2°29	24° 1	15°19	2°59	9°12	17°19	14°46	14° 7	7°37	n.a.	T 23
W24	1 53 13	27° 4'26	25° 8	11°30	8°55	3° 5	24°12	15°14	3° 2	9°13	17°21	14°47	14° 4	7°44	n.a.	W24
T 25	1 57 10	28° 5'16	9♍35	11°D23	10°11	3°41	24°22	15° 9	3° 6	9°14	17°22	14°48	14° 1	7°50	n.a.	T 25
F 26	2 1 6	29° 6'08	24°21	11°28	11°26	4°17	24°33	15° 4	3° 9	9°14	17°24	14°49	13°58	7°57	n.a.	F 26
S 27	2 5 3	0♏ 7'01	9♎22	11°42	12°41	4°53	24°44	15° 0	3°13	9°15	17°25	14°R49	13°55	8° 4	n.a.	S 27
S 28	2 8 59	1° 7'56	24°29	12° 6	13°57	5°29	24°55	14°55	3°16	9°16	17°27	14°49	13°51	8°10	n.a.	S 28
M29	2 12 56	2° 8'52	9♏34	12°38	15°12	6° 5	25° 6	14°50	3°20	9°16	17°28	14°48	13°48	8°17	n.a.	M29
T 30	2 16 52	3° 9'50	24°27	13°18	16°28	6°41	25°17	14°46	3°23	9°17	17°30	14°46	13°45	8°24	n.a.	T 30
W31	2 20 49	4♏10'48	9♐ 1	14♎ 5	17♎43	7♍17	25♐29	14♈41	3♎26	9♌17	17♐31	14♈44	13♈42	8♈30	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	1s34	13s37	1s32	13s 6	3s 0	9n15	1n30	16n35	1n23	23s43	0s19	4n12	2s49	0s 4	0n39	18n54	0n39	22s25	0n39	5n54	6n 5	1n15			n.a.
T 2	1 58	19 35	2 47	13 15	2 59	8 47	1 31	16 24	1 24	23 43	0 19	4 10	2 49	0 5	0 39	18 54	0 39	22 25	0 39	5 54	6 4	1 19			n.a.
W 3	2 22	24 17	3 49	13 20	2 56	8 18	1 32	16 12	1 24	23 44	0 20	4 8	2 49	0 7	0 39	18 54	0 39	22 26	0 39	5 55	6 3	1 22			n.a.
T 4	2 46	27 23	4 35	13 21	2 53	7 50	1 32	16 1	1 24	23 45	0 20	4 6	2 49	0 8	0 39	18 53	0 39	22 26	0 39	5 55	6 2	1 26			n.a.
F 5	3 10	28 47	5 5	13 18	2 48	7 21	1 33	15 49	1 25	23 45	0 20	4 4	2 49	0 10	0 39	18 53	0 39	22 26	0 39	5 55	6 0	1 29			n.a.
S 6	3 34	28 30	5 17	13 11	2 41	6 52	1 33	15 38	1 25	23 46	0 20	4 2	2 49	0 11	0 39	18 53	0 39	22 26	0 39	5 55	5 59	1 32			n.a.
S 7	3 58	26 41	5 14	12 59	2 33	6 23	1 33	15 26	1 26	23 46	0 20	4 0	2 49	0 13	0 39	18 52	0 39	22 26	0 38	5 55	5 58	1 36			n.a.
M 8	4 22	23 37	4 55	12 42	2 24	5 53	1 34	15 14	1 26	23 47	0 20	3 58	2 49	0 14	0 39	18 52	0 39	22 27	0 38	5 55	5 57	1 39			n.a.
T 9	4 46	19 34	4 24	12 19	2 12	5 24	1 34	15 2	1 26	23 48	0 20	3 57	2 49	0 16	0 39	18 52	0 39	22 27	0 38	5 55	5 55	1 43			n.a.
W10	5 10	14 47	3 41	11 52	1 59	4 54	1 34	14 50	1 27	23 48	0 20	3 55	2 49	0 17	0 39	18 51	0 39	22 27	0 38	5 55	5 54	1 46			n.a.
T 11	5 34	9 30	2 50	11 18	1 44	4 24	1 34	14 38	1 27	23 49	0 20	3 53	2 49	0 19	0 39	18 51	0 39	22 27	0 38	5 55	5 53	1 50			n.a.
F 12	5 57	3 55	1 51	10 40	1 27	3 54	1 34	14 26	1 27	23 50	0 20	3 51	2 49	0 20	0 39	18 51	0 40	22 28	0 38	5 55	5 52	1 53			n.a.
S 13	6 21	1n48	0 47	9 58	1 9	3 23	1 34	14 13	1 28	23 50	0 20	3 49	2 49	0 22	0 39	18 51	0 40	22 28	0 38	5 55	5 50	1 57			n.a.
S 14	6 44	7 27	0n18	9 12	0 50	2 53	1 34	14 1	1 28	23 51	0 20	3 47	2 49	0 23	0 39	18 50	0 40	22 28	0 38	5 55	5 49	2 0			n.a.
M15	7 8	12 52	1 23	8 23	0 30	2 23	1 33	13 49	1 28	23 51	0 20	3 45	2 49	0 25	0 39	18 50	0 40	22 28	0 38	5 55	5 48	2 4			n.a.
T 16	7 31	17 52	2 25	7 33	0 9	1 52	1 33	13 36	1 29	23 52	0 20	3 43	2 49	0 26	0 39	18 50	0 40	22 28	0 37	5 54	5 47	2 7			n.a.
W17	7 54	22 13	3 21	6 43	0n12	1 22	1 33	13 24	1 29	23 53	0 20	3 42	2 49	0 28	0 39	18 50	0 40	22 29	0 37	5 54	5 45	2 10			n.a.
T 18	8 17	25 39	4 8	5 55	0 32	0 51	1 32	13 11	1 29	23 53	0 20	3 40	2 49	0 29	0 39	18 49	0 40	22 29	0 37	5 54	5 44	2 14			n.a.
F 19	8 40	27 57	4 45	5 10	0 51	0 20	1 32	12 59	1 30	23 54	0 21	3 38	2 49	0 31	0 39	18 49	0 40	22 29	0 37	5 54	5 43	2 17			n.a.
S 20	9 3	28 52	5 9	4 29	1 9	0s11	1 31	12 46	1 30	23 54	0 21	3 36	2 49	0 32	0 39	18 49	0 40	22 29	0 37	5 53	5 42	2 21			n.a.
S 21	9 26	28 13	5 17	3 53	1 25	0 41	1 30	12 33	1 30	23 55	0 21	3 34	2 49	0 33	0 39	18 49	0 40	22 30	0 37	5 53	5 41	2 24			n.a.
M22	9 48	25 59	5 10	3 24	1 40	1 12	1 30	12 20	1 31	23 55	0 21	3 32	2 49	0 35	0 39	18 49	0 40	22 30	0 37	5 53	5 39	2 28			n.a.
T 23	10 11	22 12	4 45	3 0	1 52	1 43	1 29	12 8	1 31	23 56	0 21	3 31	2 49	0 36	0 39	18 48	0 40	22 30	0 37	5 53	5 38	2 31			n.a.
W24	10 33	17 5	4 2	2 44	2 3	2 14	1 28	11 55	1 31	23 57	0 21	3 29	2 48	0 38	0 39	18 48	0 40	22 30	0 37	5 53	5 37	2 35			n.a.
T 25	10 55	10 53	3 3	2 33	2 11	2 45	1 27	11 42	1 32	23 57	0 21	3 27	2 48	0 39	0 39	18 48	0 40	22 31	0 36	5 54	5 36	2 38			n.a.
F 26	11 17	3 58	1 51	2 28	2 18	3 15	1 26	11 29	1 32	23 58	0 21	3 25	2 48	0 41	0 39	18 48	0 40	22 31	0 36	5 54	5 34	2 42			n.a.
S 27	11 39	3s17	0 30	2 29	2 23	3 46	1 25	11 16	1 32	23 58	0 21	3 24	2 48	0 42	0 39	18 48	0 40	22 31	0 36	5 54	5 33	2 45			n.a.
S 28	12 0	10 25	0s53	2 36	2 26	4 17	1 24	11 3	1 33	23 59	0 21	3 22	2 48	0 43	0 39	18 48	0 40	22 31	0 36	5 54	5 32	2 49			n.a.
M29	12 22	16 56	2 13	2 46	2 28	4 47	1 23	10 50	1 33	23 59	0 21	3 20	2 48	0 45	0 39	18 47	0 40	22 32	0 36	5 54	5 31	2 52			n.a.
T 30	12 43	22 22	3 22	3 1	2 29	5 18	1 21	10 36	1 33	24 0	0 21	3 19	2 48	0 46	0 39	18 47	0 40	22 32	0 36	5 53	5 29	2 55			n.a.
W31	13s 4	26s17	4s17	3s20	2n29	5s48	1n20	10n23	1n34	24s 0	0s21	3n17	2s48	0s47	0n39	18n47	0n40	22s32	0n36	5n52	5n28	2n59			n.a.

Julian Day Number = 1644628.5, Delta T = 03h34m26s
Ecliptic obliquity = 23°43'24, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'18, Lahiri = - 6°51'18 Julian Calendar 1 Oct. 211 BCE == Greg. Calendar 27 Sept. 211 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

NOVEMBER 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 24 46	5♏11'48	23♐10	14♎58	18♎59	7♍53	25♐40	14°R37	3♎30	9♌18	17♐33	14°R41	13♈39	8♈37	n.a.	T 1
F 2	2 28 42	6°12'48	6♑52	15°56	20°14	8°28	25°51	14♈33	3°33	9°18	17°35	14♈38	13°36	8°43	n.a.	F 2
S 3	2 32 39	7°13'50	20° 5	16°59	21°30	9° 4	26° 3	14°28	3°36	9°19	17°36	14°36	13°32	8°50	n.a.	S 3
S 4	2 36 35	8°14'52	2♒54	18° 5	22°45	9°40	26°15	14°24	3°40	9°19	17°38	14°D35	13°29	8°57	n.a.	S 4
M 5	2 40 32	9°15'54	15°21	19°16	24° 0	10°15	26°26	14°20	3°43	9°20	17°40	14°35	13°26	9° 3	n.a.	M 5
T 6	2 44 28	10°16'58	27°31	20°29	25°16	10°51	26°38	14°15	3°46	9°20	17°41	14°36	13°23	9°10	n.a.	T 6
W 7	2 48 25	11°18'02	9♓28	21°44	26°31	11°26	26°50	14°11	3°49	9°20	17°43	14°38	13°20	9°17	n.a.	W 7
T 8	2 52 21	12°19'06	21°18	23° 2	27°47	12° 2	27° 2	14° 7	3°53	9°20	17°45	14°40	13°17	9°23	n.a.	T 8
F 9	2 56 18	13°20'12	3♈ 5	24°22	29° 2	12°37	27°14	14° 3	3°56	9°21	17°46	14°41	13°13	9°30	n.a.	F 9
S 10	3 0 15	14°21'18	14°52	25°44	0♏18	13°13	27°26	13°59	3°59	9°21	17°48	14°R42	13°10	9°37	n.a.	S 10
S 11	3 4 11	15°22'24	26°44	27° 7	1°34	13°48	27°38	13°56	4° 2	9°21	17°50	14°41	13° 7	9°43	n.a.	S 11
M12	3 8 8	16°23'32	8♉42	28°31	2°49	14°23	27°51	13°52	4° 5	9°21	17°52	14°39	13° 4	9°50	n.a.	M12
T 13	3 12 4	17°24'40	20°49	29°56	4° 5	14°59	28° 3	13°48	4° 8	9°21	17°54	14°34	13° 1	9°57	n.a.	T 13
W14	3 16 1	18°25'49	3♊ 6	1♏22	5°20	15°34	28°15	13°45	4°11	9°21	17°55	14°29	12°57	10° 3	n.a.	W14
T 15	3 19 57	19°26'58	15°34	2°49	6°36	16° 9	28°28	13°41	4°14	9°R21	17°57	14°23	12°54	10°10	n.a.	T 15
F 16	3 23 54	20°28'09	28°14	4°17	7°51	16°44	28°41	13°38	4°17	9°21	17°59	14°16	12°51	10°16	n.a.	F 16
S 17	3 27 50	21°29'20	11♋ 6	5°45	9° 7	17°19	28°53	13°34	4°20	9°21	18° 1	14°10	12°48	10°23	n.a.	S 17
S 18	3 31 47	22°30'32	24°12	7°14	10°22	17°54	29° 6	13°31	4°23	9°21	18° 3	14° 5	12°45	10°30	n.a.	S 18
M19	3 35 44	23°31'45	7♌32	8°43	11°38	18°29	29°19	13°28	4°25	9°21	18° 5	14° 2	12°42	10°36	n.a.	M19
T 20	3 39 40	24°32'58	21° 7	10°13	12°53	19° 4	29°32	13°25	4°28	9°21	18° 7	14°D 1	12°38	10°43	n.a.	T 20
W21	3 43 37	25°34'12	4♍58	11°43	14° 9	19°39	29°45	13°22	4°31	9°21	18° 9	14° 1	12°35	10°50	n.a.	W21
T 22	3 47 33	26°35'27	19° 6	13°13	15°24	20°14	29°58	13°19	4°34	9°21	18°10	14° 2	12°32	10°56	n.a.	T 22
F 23	3 51 30	27°36'42	3♎30	14°44	16°40	20°49	0♑11	13°16	4°36	9°20	18°12	14° 4	12°29	11° 3	n.a.	F 23
S 24	3 55 26	28°37'58	18° 6	16°15	17°55	21°23	0°24	13°13	4°39	9°20	18°14	14°R 4	12°26	11°10	n.a.	S 24
S 25	3 59 23	29°39'14	2♏52	17°46	19°11	21°58	0°37	13°11	4°41	9°20	18°16	14° 2	12°23	11°16	n.a.	S 25
M26	4 3 19	0♐40'31	17°39	19°18	20°27	22°33	0°50	13° 8	4°44	9°19	18°18	13°59	12°19	11°23	n.a.	M26
T 27	4 7 16	1°41'48	2♐22	20°50	21°42	23° 7	1° 3	13° 6	4°46	9°19	18°20	13°53	12°16	11°30	n.a.	T 27
W28	4 11 13	2°43'05	16°51	22°22	22°58	23°41	1°17	13° 4	4°49	9°19	18°22	13°45	12°13	11°36	n.a.	W28
T 29	4 15 9	3°44'23	1♑ 1	23°55	24°13	24°16	1°30	13° 1	4°51	9°18	18°24	13°36	12°10	11°43	n.a.	T 29
F 30	4 19 6	4♐45'40	14♑47	25♏28	25♏29	24♍50	1♑43	12♈59	4♎54	9♌18	18♐26	13♈28	12♈ 7	11♈50	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13 s25	28 s26	4 s54	3 s42	2n27	6 s18	1n19	10n10	1n34	24 s 0	0 s21	3n15	2 s47	0 s49	0n39	18n47	0n40	22 s32	0n36	5n51	5n27	3n 2		n.a.
F 2	13 45	28 45	5 13	4 7	2 25	6 48	1 17	9 57	1 34	24 1	0 21	3 14	2 47	0 50	0 39	18 47	0 40	22 33	0 36	5 50	5 26	3 6		n.a.
S 3	14 5	27 22	5 14	4 34	2 22	7 18	1 16	9 43	1 35	24 1	0 22	3 12	2 47	0 51	0 39	18 47	0 40	22 33	0 36	5 49	5 24	3 9		n.a.
S 4	14 25	24 36	5 0	5 3	2 19	7 48	1 14	9 30	1 35	24 2	0 22	3 11	2 47	0 53	0 39	18 47	0 40	22 33	0 35	5 49	5 23	3 13		n.a.
M 5	14 45	20 44	4 31	5 34	2 14	8 18	1 13	9 17	1 35	24 2	0 22	3 9	2 47	0 54	0 39	18 47	0 40	22 33	0 35	5 49	5 22	3 16		n.a.
T 6	15 5	16 5	3 51	6 6	2 9	8 47	1 11	9 3	1 36	24 3	0 22	3 8	2 47	0 55	0 39	18 47	0 40	22 34	0 35	5 49	5 21	3 20		n.a.
W 7	15 24	10 55	3 2	6 39	2 4	9 16	1 10	8 50	1 36	24 3	0 22	3 6	2 46	0 57	0 39	18 47	0 40	22 34	0 35	5 50	5 19	3 23		n.a.
T 8	15 43	5 24	2 5	7 14	1 59	9 45	1 8	8 37	1 36	24 3	0 22	3 5	2 46	0 58	0 39	18 47	0 40	22 34	0 35	5 51	5 18	3 27		n.a.
F 9	16 2	0n16	1 3	7 49	1 53	10 14	1 6	8 23	1 37	24 4	0 22	3 4	2 46	0 59	0 39	18 47	0 40	22 34	0 35	5 51	5 17	3 30		n.a.
S 10	16 20	5 57	0n 1	8 24	1 47	10 43	1 4	8 10	1 37	24 4	0 22	3 2	2 46	1 0	0 39	18 47	0 40	22 35	0 35	5 51	5 16	3 33		n.a.
S 11	16 38	11 27	1 6	9 1	1 40	11 11	1 2	7 56	1 37	24 4	0 22	3 1	2 46	1 2	0 39	18 47	0 41	22 35	0 35	5 51	5 14	3 37		n.a.
M12	16 56	16 35	2 8	9 37	1 33	11 39	1 1	7 43	1 38	24 4	0 22	3 0	2 46	1 3	0 39	18 47	0 41	22 35	0 35	5 50	5 13	3 40		n.a.
T 13	17 14	21 8	3 5	10 14	1 27	12 6	0 59	7 29	1 38	24 5	0 22	2 58	2 45	1 4	0 39	18 47	0 41	22 35	0 35	5 49	5 12	3 44		n.a.
W14	17 31	24 51	3 54	10 51	1 20	12 34	0 57	7 16	1 38	24 5	0 22	2 57	2 45	1 5	0 39	18 47	0 41	22 36	0 34	5 47	5 11	3 47		n.a.
T 15	17 48	27 27	4 33	11 27	1 13	13 1	0 55	7 2	1 39	24 5	0 22	2 56	2 45	1 6	0 39	18 47	0 41	22 36	0 34	5 44	5 9	3 51		n.a.
F 16	18 5	28 41	4 59	12 4	1 6	13 28	0 53	6 49	1 39	24 5	0 22	2 55	2 45	1 7	0 39	18 47	0 41	22 36	0 34	5 41	5 8	3 54		n.a.
S 17	18 21	28 24	5 10	12 40	0 59	13 54	0 51	6 35	1 39	24 6	0 22	2 54	2 44	1 9	0 39	18 47	0 41	22 37	0 34	5 39	5 7	3 58		n.a.
S 18	18 37	26 33	5 6	13 17	0 51	14 20	0 49	6 22	1 40	24 6	0 23	2 53	2 44	1 10	0 39	18 47	0 41	22 37	0 34	5 37	5 6	4 1		n.a.
M19	18 53	23 12	4 45	13 53	0 44	14 46	0 46	6 8	1 40	24 6	0 23	2 52	2 44	1 11	0 39	18 47	0 41	22 37	0 34	5 36	5 4	4 4		n.a.
T 20	19 8	18 32	4 8	14 28	0 37	15 11	0 44	5 54	1 40	24 6	0 23	2 51	2 44	1 12	0 39	18 47	0 41	22 37	0 34	5 35	5 3	4 8		n.a.
W21	19 23	12 50	3 16	15 3	0 30	15 36	0 42	5 41	1 40	24 6	0 23	2 50	2 43	1 13	0 39	18 47	0 41	22 38	0 34	5 36	5 2	4 11		n.a.
T 22	19 37	6 22	2 11	15 38	0 23	16 1	0 40	5 27	1 41	24 6	0 23	2 49	2 43	1 14	0 39	18 47	0 41	22 38	0 34	5 36	5 1	4 15		n.a.
F 23	19 52	0 s32	0 57	16 12	0 16	16 25	0 38	5 14	1 41	24 6	0 23	2 48	2 43	1 15	0 39	18 47	0 41	22 38	0 34	5 37	4 59	4 18		n.a.
S 24	20 5	7 31	0 s22	16 46	0 9	16 49	0 35	5 0	1 41	24 6	0 23	2 47	2 43	1 16	0 39	18 47	0 41	22 38	0 33	5 37	4 58	4 22		n.a.
S 25	20 19	14 10	1 40	17 18	0 2	17 12	0 33	4 47	1 42	24 6	0 23	2 46	2 42	1 17	0 39	18 47	0 41	22 39	0 33	5 36	4 57	4 25		n.a.
M26	20 32	20 2	2 51	17 51	0 s 5	17 35	0 31	4 33	1 42	24 6	0 23	2 46	2 42	1 18	0 39	18 48	0 41	22 39	0 33	5 35	4 56	4 29		n.a.
T 27	20 45	24 39	3 51	18 22	0 12	17 57	0 28	4 20	1 42	24 6	0 23	2 45	2 42	1 19	0 39	18 48	0 41	22 39	0 33	5 32	4 54	4 32		n.a.
W28	20 57	27 37	4 34	18 53	0 19	18 19	0 26	4 6	1 43	24 6	0 23	2 44	2 42	1 20	0 39	18 48	0 41	22 40	0 33	5 29	4 53	4 35		n.a.
T 29	21 9	28 43	5 0	19 23	0 25	18 40	0 24	3 52	1 43	24 6	0 23	2 44	2 41	1 21	0 39	18 48	0 41	22 40	0 33	5 26	4 52	4 39		n.a.
F 30	21 s20	27 s58	5 s 7	19 s52	0 s32	19 s 1	0n21	3n39	1n43	24 s 6	0 s23	2n43	2 s41	1 s22	0n39	18n48	0n41	22 s40	0n33	5n22	4n51	4n42		n.a.

Julian Day Number = 1644659.5, Delta T = 03h34m25s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'14, Lahiri = - 6°51'13 Julian Calendar 1 Nov. 211 BCE == Greg. Calendar 28 Oct. 211 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 211 BCE
geocentric

DECEMBER 211 BCE (-210) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 23 2	5♐46'57	28♑ 6	27♏ 1	26♏44	25♍24	1♑57	12°R57	4♎56	9°R17	18♐28	13°R20	12♈ 3	11♈56	n.a.	S 1
S 2	4 26 59	6°48'14	11♒ 0	28°34	28° 0	25°58	2°11	12♈55	4°58	9♌17	18°30	13♈14	12° 0	12° 3	n.a.	S 2
M 3	4 30 55	7°49'30	23°31	0♐ 8	29°15	26°33	2°24	12°54	5° 0	9°16	18°32	13°11	11°57	12° 9	n.a.	M 3
T 4	4 34 52	8°50'46	5♓43	1°42	0♐31	27° 7	2°38	12°52	5° 3	9°15	18°34	13°D10	11°54	12°16	n.a.	T 4
W 5	4 38 49	9°52'02	17°41	3°16	1°46	27°40	2°51	12°50	5° 5	9°15	18°36	13°10	11°51	12°23	n.a.	W 5
T 6	4 42 45	10°53'17	29°30	4°51	3° 2	28°14	3° 5	12°49	5° 7	9°14	18°38	13°11	11°48	12°29	n.a.	T 6
F 7	4 46 42	11°54'31	11♈17	6°26	4°17	28°48	3°19	12°47	5° 9	9°13	18°40	13°R12	11°44	12°36	n.a.	F 7
S 8	4 50 38	12°55'45	23° 6	8° 2	5°33	29°22	3°33	12°46	5°11	9°13	18°42	13°11	11°41	12°43	n.a.	S 8
S 9	4 54 35	13°56'59	5♉ 1	9°38	6°48	29°55	3°46	12°45	5°13	9°12	18°44	13° 9	11°38	12°49	n.a.	S 9
M10	4 58 31	14°58'12	17° 7	11°14	8° 4	0♎29	4° 0	12°44	5°15	9°11	18°46	13° 3	11°35	12°56	n.a.	M10
T 11	5 2 28	15°59'25	29°25	12°51	9°19	1° 2	4°14	12°43	5°16	9°10	18°48	12°55	11°32	13° 3	n.a.	T 11
W12	5 6 24	17° 0'37	11♊58	14°28	10°34	1°36	4°28	12°42	5°18	9° 9	18°51	12°45	11°29	13° 9	n.a.	W12
T 13	5 10 21	18° 1'49	24°45	16° 6	11°50	2° 9	4°42	12°42	5°20	9° 8	18°53	12°33	11°25	13°16	n.a.	T 13
F 14	5 14 18	19° 3'00	7♋47	17°44	13° 5	2°42	4°56	12°41	5°22	9° 8	18°55	12°21	11°22	13°23	n.a.	F 14
S 15	5 18 14	20° 4'11	21° 2	19°22	14°21	3°15	5°10	12°41	5°23	9° 7	18°57	12°10	11°19	13°29	n.a.	S 15
S 16	5 22 11	21° 5'21	4♌28	21° 1	15°36	3°48	5°24	12°40	5°25	9° 6	18°59	12° 0	11°16	13°36	n.a.	S 16
M17	5 26 7	22° 6'31	18° 3	22°41	16°52	4°21	5°38	12°40	5°26	9° 5	19° 1	11°53	11°13	13°43	n.a.	M17
T 18	5 30 4	23° 7'41	1♍47	24°21	18° 7	4°54	5°52	12°D40	5°28	9° 4	19° 3	11°48	11° 9	13°49	n.a.	T 18
W19	5 34 0	24° 8'50	15°40	26° 2	19°22	5°27	6° 6	12°40	5°29	9° 3	19° 5	11°47	11° 6	13°56	n.a.	W19
T 20	5 37 57	25° 9'58	29°40	27°43	20°38	6° 0	6°20	12°40	5°31	9° 1	19° 7	11°D46	11° 3	14° 2	n.a.	T 20
F 21	5 41 54	26°11'06	13♎47	29°25	21°53	6°32	6°34	12°41	5°32	9° 0	19° 9	11°R47	11° 0	14° 9	n.a.	F 21
S 22	5 45 50	27°12'14	28° 1	1♑ 7	23° 8	7° 5	6°49	12°41	5°33	8°59	19°11	11°46	10°57	14°16	n.a.	S 22
S 23	5 49 47	28°13'21	12♏20	2°49	24°24	7°37	7° 3	12°41	5°35	8°58	19°13	11°43	10°54	14°22	n.a.	S 23
M24	5 53 43	29°14'28	26°40	4°33	25°39	8° 9	7°17	12°42	5°36	8°57	19°15	11°37	10°50	14°29	n.a.	M24
T 25	5 57 40	0♑15'34	10♐58	6°16	26°55	8°41	7°31	12°43	5°37	8°56	19°17	11°28	10°47	14°36	n.a.	T 25
W26	6 1 36	1°16'39	25° 6	8° 0	28°10	9°13	7°45	12°43	5°38	8°54	19°19	11°16	10°44	14°42	n.a.	W26
T 27	6 5 33	2°17'43	9♑ 1	9°45	29°25	9°45	8° 0	12°44	5°39	8°53	19°21	11° 4	10°41	14°49	n.a.	T 27
F 28	6 9 29	3°18'46	22°38	11°29	0♑41	10°17	8°14	12°45	5°40	8°52	19°23	10°51	10°38	14°56	n.a.	F 28
S 29	6 13 26	4°19'47	5♒53	13°14	1°56	10°49	8°28	12°47	5°41	8°51	19°25	10°39	10°35	15° 2	n.a.	S 29
S 30	6 17 23	5°20'48	18°45	14°59	3°11	11°20	8°42	12°48	5°42	8°49	19°27	10°29	10°31	15° 9	n.a.	S 30
M31	6 21 19	6♑21'47	1♓17	16♑44	4♑26	11♎52	8♑57	12♈49	5♎42	8♌48	19♐29	10♈22	10♈28	15♈16	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s32	25s38	4s57	20s21	0s38	19s21	0n19	3n26	1n43	24s 6	0s24	2n43	2s41	1s23	0n39	18n48	0n41	22s40	0n33	5n19	4n49	4n46		n.a.
S 2	21 42	22 2	4 32	20 48	0 44	19 41	0 17	3 12	1 44	24 6	0 24	2 42	2 40	1 24	0 40	18 48	0 41	22 41	0 33	5 17	4 48	4 49		n.a.
M 3	21 52	17 32	3 55	21 14	0 50	20 0	0 14	2 59	1 44	24 6	0 24	2 42	2 40	1 25	0 40	18 49	0 41	22 41	0 33	5 16	4 47	4 53		n.a.
T 4	22 2	12 25	3 7	21 40	0 56	20 18	0 12	2 45	1 44	24 6	0 24	2 41	2 40	1 25	0 40	18 49	0 41	22 41	0 32	5 15	4 45	4 56		n.a.
W 5	22 12	6 57	2 13	22 4	1 2	20 36	0 9	2 32	1 45	24 5	0 24	2 41	2 40	1 26	0 40	18 49	0 41	22 41	0 32	5 16	4 44	5 0		n.a.
T 6	22 21	1 19	1 13	22 28	1 8	20 54	0 7	2 18	1 45	24 5	0 24	2 41	2 39	1 27	0 40	18 49	0 41	22 42	0 32	5 16	4 43	5 3		n.a.
F 7	22 29	4n21	0 10	22 50	1 13	21 11	0 5	2 5	1 45	24 5	0 24	2 40	2 39	1 28	0 40	18 50	0 41	22 42	0 32	5 16	4 42	5 6		n.a.
S 8	22 37	9 54	0n53	23 12	1 18	21 27	0 2	1 52	1 45	24 5	0 24	2 40	2 39	1 29	0 40	18 50	0 41	22 42	0 32	5 16	4 40	5 10		n.a.
S 9	22 45	15 8	1 54	23 32	1 23	21 42	0s 0	1 39	1 46	24 4	0 24	2 40	2 38	1 29	0 40	18 50	0 41	22 43	0 32	5 15	4 39	5 13		n.a.
M10	22 52	19 52	2 51	23 50	1 28	21 57	0 3	1 25	1 46	24 4	0 24	2 40	2 38	1 30	0 40	18 50	0 42	22 43	0 32	5 13	4 38	5 17		n.a.
T 11	22 59	23 51	3 40	24 8	1 32	22 12	0 5	1 12	1 46	24 4	0 24	2 40	2 38	1 31	0 40	18 50	0 42	22 43	0 32	5 10	4 37	5 20		n.a.
W12	23 5	26 47	4 20	24 24	1 37	22 25	0 7	0 59	1 46	24 3	0 24	2 40	2 38	1 31	0 40	18 51	0 42	22 43	0 32	5 6	4 35	5 24		n.a.
T 13	23 11	28 25	4 48	24 39	1 40	22 38	0 10	0 46	1 47	24 3	0 24	2 40	2 37	1 32	0 40	18 51	0 42	22 44	0 32	5 1	4 34	5 27		n.a.
F 14	23 16	28 30	5 1	24 53	1 44	22 50	0 12	0 33	1 47	24 2	0 25	2 40	2 37	1 33	0 40	18 51	0 42	22 44	0 32	4 56	4 33	5 30		n.a.
S 15	23 21	26 58	4 59	25 5	1 48	23 2	0 15	0 20	1 47	24 2	0 25	2 40	2 37	1 33	0 40	18 52	0 42	22 44	0 31	4 52	4 32	5 34		n.a.
S 16	23 25	23 54	4 40	25 15	1 51	23 13	0 17	0 7	1 47	24 1	0 25	2 40	2 36	1 34	0 40	18 52	0 42	22 44	0 31	4 48	4 30	5 37		n.a.
M17	23 29	19 28	4 5	25 24	1 54	23 23	0 19	0s 6	1 48	24 1	0 25	2 40	2 36	1 35	0 40	18 52	0 42	22 45	0 31	4 45	4 29	5 41		n.a.
T 18	23 33	14 0	3 15	25 32	1 56	23 32	0 22	0 19	1 48	24 0	0 25	2 41	2 36	1 35	0 40	18 52	0 42	22 45	0 31	4 43	4 28	5 44		n.a.
W19	23 36	7 46	2 14	25 38	1 58	23 41	0 24	0 32	1 48	24 0	0 25	2 41	2 35	1 36	0 40	18 53	0 42	22 45	0 31	4 43	4 27	5 48		n.a.
T 20	23 38	1 7	1 4	25 42	2 0	23 49	0 26	0 45	1 48	23 59	0 25	2 41	2 35	1 36	0 40	18 53	0 42	22 45	0 31	4 43	4 25	5 51		n.a.
F 21	23 40	5s40	0s11	25 45	2 1	23 57	0 28	0 58	1 49	23 59	0 25	2 42	2 35	1 37	0 40	18 53	0 42	22 46	0 31	4 43	4 24	5 54		n.a.
S 22	23 42	12 13	1 25	25 45	2 2	24 3	0 31	1 11	1 49	23 58	0 25	2 42	2 34	1 37	0 40	18 54	0 42	22 46	0 31	4 42	4 23	5 58		n.a.
S 23	23 43	18 10	2 34	25 44	2 3	24 9	0 33	1 23	1 49	23 57	0 25	2 43	2 34	1 38	0 40	18 54	0 42	22 46	0 31	4 41	4 22	6 1		n.a.
M24	23 43	23 6	3 34	25 41	2 3	24 14	0 35	1 36	1 49	23 57	0 25	2 43	2 34	1 38	0 40	18 54	0 42	22 46	0 31	4 39	4 20	6 5		n.a.
T 25	23 43	26 38	4 20	25 37	2 3	24 18	0 37	1 49	1 50	23 56	0 26	2 44	2 33	1 39	0 40	18 55	0 42	22 47	0 31	4 35	4 19	6 8		n.a.
W26	23 43	28 26	4 49	25 30	2 2	24 22	0 39	2 1	1 50	23 55	0 26	2 44	2 33	1 39	0 40	18 55	0 42	22 47	0 30	4 31	4 18	6 11		n.a.
T 27	23 42	28 24	5 0	25 22	2 0	24 25	0 41	2 14	1 50	23 54	0 26	2 45	2 33	1 39	0 40	18 55	0 42	22 47	0 30	4 26	4 17	6 15		n.a.
F 28	23 41	26 38	4 54	25 11	1 58	24 27	0 43	2 26	1 50	23 54	0 26	2 46	2 33	1 40	0 40	18 56	0 42	22 47	0 30	4 20	4 15	6 18		n.a.
S 29	23 39	23 25	4 32	24 59	1 56	24 28	0 45	2 38	1 50	23 53	0 26	2 46	2 32	1 40	0 40	18 56	0 42	22 48	0 30	4 16	4 14	6 22		n.a.
S 30	23 37	19 7	3 57	24 44	1 53	24 28	0 47	2 51	1 51	23 52	0 26	2 47	2 32	1 40	0 40	18 57	0 42	22 48	0 30	4 12	4 13	6 25		n.a.
M31	23s34	14s 6	3s11	24s28	1s49	24s28	0s49	3s 3	1n51	23s51	0s26	2n48	2s32	1s41	0n40	18n57	0n42	22s48	0n30	4n 9	4n12	6n28		n.a.

Julian Day Number = 1644689.5, Delta T = 03h34m24s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'10, Lahiri = - 6°51'09 Julian Calendar 1 Dec. 211 BCE == Greg. Calendar 27 Nov. 211 BCE

The year -210 astronomical counting style corresponds to year 211 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

JANUARY 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 25 16	7♑22'45	13♓30	18♑29	5♑42	12♎23	9♑11	12♈51	5♎43	8°R47	19♐31	10°R18	10♈25	15♈22	n.a.	T 1
W 2	6 29 12	8°23'41	25°30	20°14	6°57	12°54	9°25	12°52	5°44	8♌45	19°33	10♈17	10°22	15°29	n.a.	W 2
T 3	6 33 9	9°24'36	7♈21	21°58	8°12	13°25	9°40	12°54	5°44	8°44	19°35	10°16	10°19	15°36	n.a.	T 3
F 4	6 37 5	10°25'29	19° 8	23°41	9°27	13°56	9°54	12°56	5°45	8°42	19°37	10°16	10°15	15°42	n.a.	F 4
S 5	6 41 2	11°26'20	0♉58	25°23	10°43	14°27	10° 8	12°58	5°46	8°41	19°39	10°15	10°12	15°49	n.a.	S 5
S 6	6 44 58	12°27'11	12°55	27° 3	11°58	14°57	10°22	13° 0	5°46	8°40	19°41	10°12	10° 9	15°55	n.a.	S 6
M 7	6 48 55	13°27'59	25° 5	28°42	13°13	15°28	10°37	13° 2	5°46	8°38	19°43	10° 7	10° 6	16° 2	n.a.	M 7
T 8	6 52 52	14°28'46	7♊31	0♒18	14°28	15°58	10°51	13° 4	5°47	8°37	19°44	9°59	10° 3	16° 9	n.a.	T 8
W 9	6 56 48	15°29'32	20°16	1°52	15°43	16°28	11° 5	13° 7	5°47	8°35	19°46	9°48	10° 0	16°15	n.a.	W 9
T 10	7 0 45	16°30'15	3♋20	3°23	16°58	16°58	11°19	13° 9	5°47	8°34	19°48	9°35	9°56	16°22	n.a.	T 10
F 11	7 4 41	17°30'58	16°44	4°49	18°14	17°28	11°34	13°12	5°47	8°32	19°50	9°22	9°53	16°29	n.a.	F 11
S 12	7 8 38	18°31'39	0♌23	6°11	19°29	17°58	11°48	13°14	5°47	8°31	19°52	9° 9	9°50	16°35	n.a.	S 12
S 13	7 12 34	19°32'18	14°16	7°28	20°44	18°28	12° 2	13°17	5°48	8°29	19°54	8°58	9°47	16°42	n.a.	S 13
M14	7 16 31	20°32'56	28°17	8°38	21°59	18°57	12°16	13°20	5°R48	8°27	19°56	8°50	9°44	16°49	n.a.	M14
T 15	7 20 28	21°33'32	12♍23	9°42	23°14	19°26	12°31	13°23	5°48	8°26	19°57	8°46	9°41	16°55	n.a.	T 15
W16	7 24 24	22°34'07	26°31	10°39	24°29	19°55	12°45	13°26	5°47	8°24	19°59	8°43	9°37	17° 2	n.a.	W16
T 17	7 28 21	23°34'41	10♎38	11°27	25°44	20°24	12°59	13°30	5°47	8°23	20° 1	8°D43	9°34	17° 9	n.a.	T 17
F 18	7 32 17	24°35'13	24°44	12° 7	26°59	20°53	13°13	13°33	5°47	8°21	20° 3	8°R43	9°31	17°15	n.a.	F 18
S 19	7 36 14	25°35'44	8♏48	12°38	28°14	21°22	13°27	13°36	5°47	8°19	20° 4	8°42	9°28	17°22	n.a.	S 19
S 20	7 40 10	26°36'14	22°48	12°59	29°29	21°50	13°41	13°40	5°46	8°18	20° 6	8°40	9°25	17°29	n.a.	S 20
M21	7 44 7	27°36'42	6♐44	13°10	0♒44	22°18	13°55	13°43	5°46	8°16	20° 8	8°35	9°21	17°35	n.a.	M21
T 22	7 48 3	28°37'09	20°34	13°R10	1°59	22°46	14° 9	13°47	5°46	8°15	20°10	8°27	9°18	17°42	n.a.	T 22
W23	7 52 0	29°37'34	4♑16	13° 1	3°14	23°14	14°24	13°51	5°45	8°13	20°11	8°16	9°15	17°48	n.a.	W23
T 24	7 55 57	0♒37'57	17°45	12°42	4°29	23°41	14°38	13°55	5°45	8°11	20°13	8° 5	9°12	17°55	n.a.	T 24
F 25	7 59 53	1°38'19	1♒ 1	12°13	5°44	24° 9	14°52	13°59	5°44	8°10	20°15	7°53	9° 9	18° 2	n.a.	F 25
S 26	8 3 50	2°38'39	14° 0	11°36	6°59	24°36	15° 6	14° 3	5°43	8° 8	20°16	7°42	9° 6	18° 8	n.a.	S 26
S 27	8 7 46	3°38'57	26°43	10°51	8°14	25° 3	15°19	14° 7	5°43	8° 6	20°18	7°33	9° 2	18°15	n.a.	S 27
M28	8 11 43	4°39'12	9♓ 8	10° 0	9°29	25°29	15°33	14°11	5°42	8° 5	20°19	7°26	8°59	18°22	n.a.	M28
T 29	8 15 39	5°39'26	21°19	9° 3	10°44	25°56	15°47	14°16	5°41	8° 3	20°21	7°23	8°56	18°28	n.a.	T 29
W30	8 19 36	6°39'37	3♈17	8° 3	11°58	26°22	16° 1	14°20	5°40	8° 1	20°23	7°D21	8°53	18°35	n.a.	W30
T 31	8 23 32	7♒39'47	15♈ 8	7♒ 1	13♒13	26♎48	16♑15	14♈25	5♎39	8♌ 0	20♐24	7♈21	8♈50	18♈42	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23 s31	8 s39	2 s17	24 s 9	1 s45	24 s27	0 s51	3 s15	1n51	23 s50	0 s26	2n49	2 s31	1 s41	0n40	18n57	0n42	22 s48	0n30	4n 8	4n10	6n32			n.a.
W 2	23 27	2 59	1 17	23 49	1 39	24 25	0 53	3 27	1 51	23 49	0 26	2 50	2 31	1 41	0 40	18 58	0 42	22 49	0 30	4 7	4 9	6 35			n.a.
T 3	23 23	2n43	0 16	23 27	1 34	24 23	0 55	3 39	1 51	23 48	0 26	2 51	2 31	1 41	0 40	18 58	0 42	22 49	0 30	4 7	4 8	6 39			n.a.
F 4	23 18	8 18	0n47	23 3	1 27	24 19	0 57	3 51	1 52	23 47	0 26	2 52	2 30	1 41	0 41	18 59	0 42	22 49	0 30	4 7	4 6	6 42			n.a.
S 5	23 13	13 37	1 47	22 37	1 20	24 15	0 58	4 3	1 52	23 46	0 27	2 53	2 30	1 42	0 41	18 59	0 42	22 49	0 30	4 6	4 5	6 46			n.a.
S 6	23 8	18 30	2 44	22 10	1 12	24 11	1 0	4 15	1 52	23 45	0 27	2 54	2 30	1 42	0 41	18 59	0 42	22 50	0 29	4 5	4 4	6 49			n.a.
M 7	23 2	22 43	3 33	21 41	1 3	24 5	1 2	4 26	1 52	23 44	0 27	2 55	2 29	1 42	0 41	19 0	0 42	22 50	0 29	4 3	4 3	6 52			n.a.
T 8	22 56	26 0	4 14	21 11	0 53	23 59	1 3	4 38	1 52	23 43	0 27	2 56	2 29	1 42	0 41	19 0	0 42	22 50	0 29	4 0	4 1	6 56			n.a.
W 9	22 49	28 4	4 43	20 40	0 42	23 52	1 5	4 49	1 52	23 42	0 27	2 57	2 29	1 42	0 41	19 1	0 42	22 50	0 29	3 55	4 0	6 59			n.a.
T 10	22 41	28 39	4 58	20 8	0 31	23 44	1 6	5 1	1 53	23 41	0 27	2 59	2 29	1 42	0 41	19 1	0 42	22 51	0 29	3 50	3 59	7 3			n.a.
F 11	22 34	27 35	4 58	19 35	0 19	23 35	1 8	5 12	1 53	23 40	0 27	3 0	2 28	1 42	0 41	19 1	0 42	22 51	0 29	3 45	3 58	7 6			n.a.
S 12	22 25	24 52	4 40	19 2	0 5	23 26	1 9	5 24	1 53	23 39	0 27	3 1	2 28	1 42	0 41	19 2	0 42	22 51	0 29	3 40	3 56	7 9			n.a.
S 13	22 17	20 40	4 6	18 29	0n 8	23 16	1 11	5 35	1 53	23 38	0 27	3 3	2 28	1 42	0 41	19 2	0 42	22 51	0 29	3 36	3 55	7 13			n.a.
M14	22 8	15 17	3 16	17 57	0 23	23 5	1 12	5 46	1 53	23 36	0 28	3 4	2 27	1 42	0 41	19 3	0 42	22 51	0 29	3 33	3 54	7 16			n.a.
T 15	21 58	9 4	2 15	17 25	0 38	22 54	1 13	5 57	1 53	23 35	0 28	3 5	2 27	1 42	0 41	19 3	0 42	22 52	0 29	3 31	3 53	7 19			n.a.
W16	21 49	2 23	1 4	16 55	0 54	22 42	1 15	6 8	1 53	23 34	0 28	3 7	2 27	1 42	0 41	19 4	0 42	22 52	0 29	3 30	3 51	7 23			n.a.
T 17	21 38	4 s25	0 s10	16 26	1 10	22 29	1 16	6 19	1 53	23 33	0 28	3 8	2 26	1 42	0 41	19 4	0 42	22 52	0 28	3 30	3 50	7 26			n.a.
F 18	21 28	10 59	1 24	15 59	1 26	22 16	1 17	6 30	1 53	23 31	0 28	3 10	2 26	1 42	0 41	19 5	0 43	22 52	0 28	3 30	3 49	7 30			n.a.
S 19	21 16	17 0	2 32	15 34	1 43	22 2	1 18	6 40	1 54	23 30	0 28	3 12	2 26	1 42	0 41	19 5	0 43	22 53	0 28	3 29	3 48	7 33			n.a.
S 20	21 5	22 5	3 31	15 13	1 59	21 47	1 19	6 51	1 54	23 29	0 28	3 13	2 26	1 42	0 41	19 5	0 43	22 53	0 28	3 28	3 46	7 36			n.a.
M21	20 53	25 55	4 17	14 54	2 15	21 32	1 20	7 2	1 54	23 27	0 28	3 15	2 25	1 41	0 41	19 6	0 43	22 53	0 28	3 26	3 45	7 40			n.a.
T 22	20 41	28 10	4 48	14 39	2 31	21 16	1 21	7 12	1 54	23 26	0 28	3 17	2 25	1 41	0 41	19 6	0 43	22 53	0 28	3 23	3 44	7 43			n.a.
W23	20 28	28 40	5 1	14 27	2 46	20 59	1 21	7 22	1 54	23 25	0 29	3 18	2 25	1 41	0 41	19 7	0 43	22 53	0 28	3 19	3 43	7 47			n.a.
T 24	20 15	27 27	4 58	14 19	3 0	20 42	1 22	7 33	1 54	23 23	0 29	3 20	2 24	1 41	0 41	19 7	0 43	22 54	0 28	3 14	3 41	7 50			n.a.
F 25	20 2	24 41	4 38	14 15	3 13	20 24	1 23	7 43	1 54	23 22	0 29	3 22	2 24	1 40	0 41	19 8	0 43	22 54	0 28	3 10	3 40	7 53			n.a.
S 26	19 48	20 43	4 4	14 15	3 24	20 5	1 23	7 53	1 54	23 20	0 29	3 24	2 24	1 40	0 41	19 8	0 43	22 54	0 28	3 5	3 39	7 57			n.a.
S 27	19 34	15 52	3 19	14 18	3 33	19 46	1 24	8 3	1 54	23 19	0 29	3 26	2 24	1 40	0 41	19 9	0 43	22 54	0 28	3 2	3 37	8 0			n.a.
M28	19 20	10 28	2 25	14 24	3 41	19 27	1 25	8 12	1 54	23 17	0 29	3 28	2 23	1 40	0 41	19 9	0 43	22 54	0 28	2 59	3 36	8 3			n.a.
T 29	19 5	4 47	1 25	14 34	3 47	19 7	1 25	8 22	1 54	23 16	0 29	3 30	2 23	1 39	0 41	19 9	0 43	22 55	0 27	2 58	3 35	8 7			n.a.
W30	18 50	0n59	0 22	14 46	3 50	18 46	1 25	8 32	1 54	23 14	0 29	3 32	2 23	1 39	0 41	19 10	0 43	22 55	0 27	2 57	3 34	8 10			n.a.
T 31	18 s34	6n40	0n42	15 s 1	3n51	18 s25	1 s26	8 s41	1n54	23 s13	0 s30	3n34	2 s23	1 s38	0n41	19n10	0n43	22 s55	0n27	2n57	3n32	8n13			n.a.

Julian Day Number = 1644720.5, Delta T = 03h34m23s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'06, Lahiri = - 6°51'05 Julian Calendar 1 Jan. 210 BCE == Greg. Calendar 28 Dec. 211 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

FEBRUARY 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 27 29	8♒39'54	26♈55	5°R58	14♒28	27♎14	16♑29	14♈29	5°R38	7°R58	20♐26	7♈22	8♈47	18♈48	n.a.	F 1
S 2	8 31 26	9°39'59	8♉45	4♒56	15°43	27°39	16°42	14°34	5♎37	7♌56	20°27	7°R23	8°43	18°55	n.a.	S 2
S 3	8 35 22	10°40'02	20°42	3°56	16°58	28° 4	16°56	14°39	5°36	7°54	20°28	7°22	8°40	19° 2	n.a.	S 3
M 4	8 39 19	11°40'02	2♊53	2°59	18°12	28°29	17°10	14°44	5°35	7°53	20°30	7°20	8°37	19° 8	n.a.	M 4
T 5	8 43 15	12°40'01	15°21	2° 7	19°27	28°54	17°23	14°49	5°34	7°51	20°31	7°15	8°34	19°15	n.a.	T 5
W 6	8 47 12	13°39'57	28°10	1°20	20°42	29°18	17°37	14°54	5°33	7°49	20°33	7° 8	8°31	19°22	n.a.	W 6
T 7	8 51 8	14°39'51	11♋23	0°39	21°57	29°42	17°51	14°59	5°32	7°48	20°34	7° 0	8°27	19°28	n.a.	T 7
F 8	8 55 5	15°39'42	24°59	0° 4	23°11	0♏ 6	18° 4	15° 4	5°30	7°46	20°35	6°51	8°24	19°35	n.a.	F 8
S 9	8 59 1	16°39'32	8♌57	29♑36	24°26	0°30	18°17	15° 9	5°29	7°45	20°37	6°43	8°21	19°41	n.a.	S 9
S 10	9 2 58	17°39'19	23°13	29°14	25°40	0°53	18°31	15°14	5°28	7°43	20°38	6°35	8°18	19°48	n.a.	S 10
M11	9 6 55	18°39'04	7♍40	28°58	26°55	1°16	18°44	15°20	5°26	7°41	20°39	6°30	8°15	19°55	n.a.	M11
T 12	9 10 51	19°38'47	22°13	28°49	28°10	1°39	18°57	15°25	5°25	7°40	20°41	6°27	8°12	20° 1	n.a.	T 12
W13	9 14 48	20°38'28	6♎46	28°D47	29°24	2° 1	19°11	15°31	5°23	7°38	20°42	6°D26	8° 8	20° 8	n.a.	W13
T 14	9 18 44	21°38'08	21°14	28°50	0♓39	2°23	19°24	15°37	5°22	7°36	20°43	6°27	8° 5	20°15	n.a.	T 14
F 15	9 22 41	22°37'45	5♏33	29° 0	1°53	2°44	19°37	15°42	5°20	7°35	20°44	6°28	8° 2	20°21	n.a.	F 15
S 16	9 26 37	23°37'21	19°41	29°14	3° 8	3° 6	19°50	15°48	5°18	7°33	20°45	6°R29	7°59	20°28	n.a.	S 16
S 17	9 30 34	24°36'55	3♐37	29°34	4°22	3°27	20° 3	15°54	5°17	7°32	20°46	6°29	7°56	20°35	n.a.	S 17
M18	9 34 30	25°36'27	17°20	29°59	5°37	3°47	20°16	16° 0	5°15	7°30	20°47	6°27	7°52	20°41	n.a.	M18
T 19	9 38 27	26°35'58	0♑51	0♒29	6°51	4° 7	20°29	16° 6	5°13	7°28	20°49	6°23	7°49	20°48	n.a.	T 19
W20	9 42 23	27°35'26	14° 9	1° 3	8° 6	4°27	20°42	16°12	5°11	7°27	20°50	6°17	7°46	20°55	n.a.	W20
T 21	9 46 20	28°34'53	27°14	1°41	9°20	4°47	20°55	16°18	5°10	7°25	20°51	6°11	7°43	21° 1	n.a.	T 21
F 22	9 50 17	29°34'17	10♒ 6	2°24	10°34	5° 6	21° 7	16°24	5° 8	7°24	20°52	6° 4	7°40	21° 8	n.a.	F 22
S 23	9 54 13	0♓33'39	22°45	3° 9	11°49	5°24	21°20	16°30	5° 6	7°22	20°53	5°58	7°37	21°15	n.a.	S 23
S 24	9 58 10	1°33'00	5♓11	3°58	13° 3	5°43	21°33	16°37	5° 4	7°21	20°53	5°53	7°33	21°21	n.a.	S 24
M25	10 2 6	2°32'18	17°24	4°51	14°17	6° 0	21°45	16°43	5° 2	7°19	20°54	5°50	7°30	21°28	n.a.	M25
T 26	10 6 3	3°31'33	29°28	5°46	15°32	6°18	21°57	16°50	5° 0	7°18	20°55	5°49	7°27	21°35	n.a.	T 26
W27	10 9 59	4°30'47	11♈22	6°45	16°46	6°34	22°10	16°56	4°58	7°16	20°56	5°D49	7°24	21°41	n.a.	W27
T 28	10 13 56	5♓29'58	23♈11	7♒46	18♓ 0	6♏51	22♑22	17♈ 3	4♎56	7♌15	20♐57	5♈50	7♈21	21♈48	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s19	12n 6	1n43	15s17	3n50	18s 3	1s26	8s50	1n54	23s11	0s30	3n36	2s22	1s38	0n41	19n11	0n43	22s55	0n27	2n57	3n31	8n17		n.a.
S 2	18 2	17 6	2 40	15 35	3 47	17 41	1 26	9 0	1 54	23 9	0 30	3 38	2 22	1 38	0 41	19 11	0 43	22 55	0 27	2 58	3 30	8 20		n.a.
S 3	17 46	21 32	3 31	15 54	3 42	17 18	1 26	9 9	1 54	23 8	0 30	3 40	2 22	1 37	0 41	19 12	0 43	22 56	0 27	2 57	3 29	8 24		n.a.
M 4	17 29	25 7	4 13	16 14	3 35	16 55	1 26	9 18	1 54	23 6	0 30	3 42	2 22	1 37	0 41	19 12	0 43	22 56	0 27	2 56	3 27	8 27		n.a.
T 5	17 12	27 37	4 45	16 34	3 27	16 32	1 26	9 27	1 53	23 5	0 30	3 44	2 21	1 36	0 42	19 13	0 43	22 56	0 27	2 55	3 26	8 30		n.a.
W 6	16 55	28 45	5 3	16 54	3 17	16 7	1 26	9 35	1 53	23 3	0 30	3 46	2 21	1 36	0 42	19 13	0 43	22 56	0 27	2 52	3 25	8 34		n.a.
T 7	16 38	28 18	5 6	17 13	3 6	15 43	1 26	9 44	1 53	23 1	0 30	3 48	2 21	1 35	0 42	19 13	0 43	22 56	0 27	2 49	3 24	8 37		n.a.
F 8	16 20	26 10	4 51	17 33	2 54	15 18	1 26	9 53	1 53	23 0	0 31	3 51	2 21	1 35	0 42	19 14	0 43	22 56	0 27	2 45	3 22	8 40		n.a.
S 9	16 2	22 24	4 20	17 51	2 41	14 53	1 26	10 1	1 53	22 58	0 31	3 53	2 20	1 34	0 42	19 14	0 43	22 57	0 27	2 42	3 21	8 44		n.a.
S 10	15 43	17 16	3 31	18 8	2 28	14 27	1 25	10 9	1 53	22 56	0 31	3 55	2 20	1 33	0 42	19 15	0 43	22 57	0 26	2 39	3 20	8 47		n.a.
M11	15 25	11 5	2 29	18 25	2 15	14 1	1 25	10 18	1 53	22 54	0 31	3 58	2 20	1 33	0 42	19 15	0 43	22 57	0 26	2 37	3 18	8 50		n.a.
T 12	15 6	4 17	1 16	18 40	2 1	13 34	1 24	10 26	1 52	22 53	0 31	4 0	2 20	1 32	0 42	19 16	0 43	22 57	0 26	2 35	3 17	8 54		n.a.
W13	14 47	2s45	0s 2	18 54	1 47	13 7	1 24	10 34	1 52	22 51	0 31	4 2	2 19	1 32	0 42	19 16	0 43	22 57	0 26	2 35	3 16	8 57		n.a.
T 14	14 28	9 36	1 19	19 7	1 33	12 40	1 23	10 42	1 52	22 49	0 31	4 5	2 19	1 31	0 42	19 17	0 43	22 58	0 26	2 35	3 15	9 0		n.a.
F 15	14 8	15 54	2 31	19 19	1 19	12 13	1 23	10 49	1 52	22 47	0 32	4 7	2 19	1 30	0 42	19 17	0 43	22 58	0 26	2 36	3 13	9 4		n.a.
S 16	13 48	21 16	3 33	19 29	1 6	11 45	1 22	10 57	1 51	22 46	0 32	4 10	2 19	1 30	0 42	19 17	0 43	22 58	0 26	2 36	3 12	9 7		n.a.
S 17	13 28	25 23	4 21	19 38	0 52	11 17	1 21	11 4	1 51	22 44	0 32	4 12	2 18	1 29	0 42	19 18	0 43	22 58	0 26	2 36	3 11	9 10		n.a.
M18	13 8	27 58	4 53	19 45	0 39	10 48	1 20	11 12	1 51	22 42	0 32	4 15	2 18	1 28	0 42	19 18	0 43	22 58	0 26	2 35	3 10	9 14		n.a.
T 19	12 48	28 52	5 9	19 51	0 27	10 20	1 20	11 19	1 50	22 40	0 32	4 17	2 18	1 28	0 42	19 19	0 43	22 58	0 26	2 34	3 8	9 17		n.a.
W20	12 27	28 3	5 7	19 56	0 14	9 51	1 19	11 26	1 50	22 38	0 32	4 20	2 18	1 27	0 42	19 19	0 43	22 58	0 26	2 32	3 7	9 20		n.a.
T 21	12 6	25 41	4 50	19 59	0 2	9 21	1 18	11 33	1 50	22 37	0 33	4 22	2 18	1 26	0 42	19 19	0 43	22 59	0 26	2 29	3 6	9 24		n.a.
F 22	11 45	22 3	4 18	20 1	0s 9	8 52	1 17	11 40	1 49	22 35	0 33	4 25	2 17	1 25	0 42	19 20	0 43	22 59	0 26	2 26	3 5	9 27		n.a.
S 23	11 24	17 27	3 33	20 1	0 20	8 22	1 15	11 46	1 49	22 33	0 33	4 27	2 17	1 24	0 42	19 20	0 43	22 59	0 25	2 24	3 3	9 30		n.a.
S 24	11 3	12 11	2 39	20 0	0 31	7 52	1 14	11 53	1 48	22 31	0 33	4 30	2 17	1 24	0 42	19 21	0 43	22 59	0 25	2 22	3 2	9 34		n.a.
M25	10 42	6 33	1 39	19 57	0 41	7 22	1 13	11 59	1 48	22 29	0 33	4 33	2 17	1 23	0 42	19 21	0 43	22 59	0 25	2 21	3 1	9 37		n.a.
T 26	10 20	0 45	0 35	19 53	0 51	6 52	1 12	12 5	1 48	22 27	0 33	4 35	2 17	1 22	0 42	19 21	0 43	22 59	0 25	2 20	2 59	9 40		n.a.
W27	9 58	5n 1	0n30	19 47	1 1	6 22	1 10	12 11	1 47	22 26	0 33	4 38	2 16	1 21	0 42	19 22	0 43	23 0	0 25	2 20	2 58	9 44		n.a.
T 28	9s36	10n34	1n34	19s40	1s 9	5s51	1s 9	12s17	1n46	22s24	0s34	4n41	2s16	1s20	0n42	19n22	0n43	23s 0	0n25	2n20	2n57	9n47		n.a.

Julian Day Number = 1644751.5, Delta T = 03h34m22s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°58'01, Lahiri = - 6°51'01 Julian Calendar 1 Feb. 210 BCE == Greg. Calendar 28 Jan. 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

MARCH 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 17 52	6♓29'07	4♉58	8♒50	19♓15	7♏ 7	22♑34	17♈ 9	4°R54	7°R13	20♐58	5♈51	7♈18	21♈54	n.a.	F 1
S 2	10 21 49	7°28'13	16°48	9°56	20°29	7°22	22°46	17°16	4♎51	7♌12	20°58	5°53	7°14	22° 1	n.a.	S 2
S 3	10 25 46	8°27'17	28°45	11° 4	21°43	7°37	22°59	17°22	4°49	7°11	20°59	5°54	7°11	22° 8	n.a.	S 3
M 4	10 29 42	9°26'19	10♊54	12°15	22°57	7°52	23°11	17°29	4°47	7° 9	21° 0	5°R55	7° 8	22°14	n.a.	M 4
T 5	10 33 39	10°25'19	23°20	13°28	24°11	8° 6	23°22	17°36	4°45	7° 8	21° 1	5°54	7° 5	22°21	n.a.	T 5
W 6	10 37 35	11°24'16	6♋ 7	14°43	25°25	8°19	23°34	17°43	4°43	7° 7	21° 1	5°52	7° 2	22°28	n.a.	W 6
T 7	10 41 32	12°23'10	19°19	16° 0	26°39	8°32	23°46	17°50	4°40	7° 5	21° 2	5°50	6°58	22°34	n.a.	T 7
F 8	10 45 28	13°22'03	2♌57	17°19	27°53	8°44	23°58	17°57	4°38	7° 4	21° 2	5°46	6°55	22°41	n.a.	F 8
S 9	10 49 25	14°20'52	17° 1	18°40	29° 7	8°56	24° 9	18° 4	4°36	7° 3	21° 3	5°43	6°52	22°48	n.a.	S 9
S 10	10 53 21	15°19'40	1♍27	20° 3	0♈21	9° 8	24°21	18°11	4°33	7° 2	21° 4	5°41	6°49	22°54	n.a.	S 10
M11	10 57 18	16°18'25	16°12	21°28	1°35	9°18	24°32	18°18	4°31	7° 0	21° 4	5°39	6°46	23° 1	n.a.	M11
T 12	11 1 15	17°17'09	1♎ 7	22°54	2°49	9°28	24°43	18°25	4°29	6°59	21° 4	5°D38	6°43	23° 8	n.a.	T 12
W13	11 5 11	18°15'50	16° 5	24°22	4° 3	9°38	24°55	18°32	4°26	6°58	21° 5	5°38	6°39	23°14	n.a.	W13
T 14	11 9 8	19°14'29	0♏57	25°52	5°17	9°47	25° 6	18°39	4°24	6°57	21° 5	5°39	6°36	23°21	n.a.	T 14
F 15	11 13 4	20°13'07	15°37	27°23	6°31	9°55	25°17	18°46	4°21	6°56	21° 6	5°40	6°33	23°28	n.a.	F 15
S 16	11 17 1	21°11'43	0♐ 0	28°56	7°44	10° 3	25°28	18°54	4°19	6°55	21° 6	5°41	6°30	23°34	n.a.	S 16
S 17	11 20 57	22°10'17	14° 4	0♓31	8°58	10°10	25°39	19° 1	4°16	6°53	21° 6	5°42	6°27	23°41	n.a.	S 17
M18	11 24 54	23° 8'49	27°47	2° 8	10°12	10°17	25°49	19° 8	4°14	6°52	21° 7	5°R42	6°24	23°48	n.a.	M18
T 19	11 28 50	24° 7'20	11♑10	3°46	11°26	10°22	26° 0	19°16	4°11	6°51	21° 7	5°42	6°20	23°54	n.a.	T 19
W20	11 32 47	25° 5'49	24°15	5°26	12°39	10°27	26°10	19°23	4° 9	6°50	21° 7	5°41	6°17	24° 1	n.a.	W20
T 21	11 36 43	26° 4'16	7♒ 2	7° 7	13°53	10°32	26°21	19°30	4° 6	6°49	21° 7	5°39	6°14	24° 7	n.a.	T 21
F 22	11 40 40	27° 2'42	19°36	8°50	15° 7	10°35	26°31	19°38	4° 4	6°48	21° 8	5°38	6°11	24°14	n.a.	F 22
S 23	11 44 37	28° 1'06	1♓56	10°35	16°20	10°38	26°41	19°45	4° 1	6°48	21° 8	5°37	6° 8	24°21	n.a.	S 23
S 24	11 48 33	28°59'27	14° 6	12°21	17°34	10°41	26°52	19°53	3°59	6°47	21° 8	5°36	6° 4	24°27	n.a.	S 24
M25	11 52 30	29°57'47	26° 8	14° 9	18°47	10°42	27° 2	20° 0	3°56	6°46	21° 8	5°36	6° 1	24°34	n.a.	M25
T 26	11 56 26	0♈56'05	8♈ 2	15°59	20° 1	10°43	27°11	20° 8	3°54	6°45	21° 8	5°D36	5°58	24°41	n.a.	T 26
W27	12 0 23	1°54'21	19°52	17°50	21°14	10°R43	27°21	20°16	3°51	6°44	21°R 8	5°36	5°55	24°47	n.a.	W27
T 28	12 4 19	2°52'35	1♉40	19°44	22°28	10°42	27°31	20°23	3°49	6°43	21° 8	5°36	5°52	24°54	n.a.	T 28
F 29	12 8 16	3°50'47	13°28	21°38	23°41	10°41	27°40	20°31	3°46	6°43	21° 8	5°36	5°49	25° 1	n.a.	F 29
S 30	12 12 12	4°48'58	25°20	23°35	24°55	10°39	27°50	20°39	3°44	6°42	21° 8	5°37	5°45	25° 7	n.a.	S 30
S 31	12 16 9	5♈47'06	7♊18	25♓33	26♈ 8	10♏36	27♑59	20♈46	3♎41	6♌41	21♐ 8	5°R37	5♈42	25♈14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s14	15n44	2n33	19s31	1s18	5s20	1s 7	12s23	1n46	22s22	0s34	4n43	2s16	1s19	0n42	19n23	0n43	23s 0	0n25	2n21	2n56	9n50		n.a.
S 2	8 52	20 21	3 26	19 21	1 26	4 49	1 6	12 29	1 45	22 20	0 34	4 46	2 16	1 19	0 42	19 23	0 43	23 0	0 25	2 22	2 54	9 54		n.a.
S 3	8 30	24 12	4 11	19 9	1 33	4 18	1 4	12 34	1 45	22 18	0 34	4 49	2 16	1 18	0 42	19 23	0 43	23 0	0 25	2 22	2 53	9 57		n.a.
M 4	8 7	27 3	4 45	18 55	1 40	3 47	1 3	12 39	1 44	22 16	0 34	4 52	2 16	1 17	0 42	19 24	0 43	23 0	0 25	2 23	2 52	10 0		n.a.
T 5	7 45	28 40	5 7	18 40	1 46	3 16	1 1	12 45	1 43	22 14	0 34	4 54	2 15	1 16	0 42	19 24	0 43	23 0	0 25	2 22	2 51	10 4		n.a.
W 6	7 22	28 49	5 15	18 24	1 52	2 45	0 59	12 50	1 43	22 12	0 35	4 57	2 15	1 15	0 42	19 24	0 43	23 0	0 25	2 22	2 49	10 7		n.a.
T 7	7 0	27 22	5 6	18 6	1 58	2 13	0 57	12 55	1 42	22 11	0 35	5 0	2 15	1 14	0 42	19 25	0 43	23 1	0 24	2 20	2 48	10 10		n.a.
F 8	6 37	24 16	4 40	17 46	2 3	1 42	0 56	12 59	1 41	22 9	0 35	5 3	2 15	1 13	0 42	19 25	0 43	23 1	0 24	2 19	2 47	10 13		n.a.
S 9	6 14	19 41	3 57	17 25	2 7	1 10	0 54	13 4	1 40	22 7	0 35	5 6	2 15	1 12	0 42	19 25	0 43	23 1	0 24	2 18	2 45	10 17		n.a.
S 10	5 51	13 51	2 58	17 3	2 11	0 39	0 52	13 8	1 39	22 5	0 35	5 8	2 15	1 11	0 42	19 26	0 43	23 1	0 24	2 17	2 44	10 20		n.a.
M11	5 28	7 7	1 45	16 38	2 15	0 7	0 50	13 13	1 38	22 3	0 36	5 11	2 14	1 10	0 42	19 26	0 43	23 1	0 24	2 16	2 43	10 23		n.a.
T 12	5 5	0s 4	0 25	16 13	2 18	0n24	0 48	13 17	1 37	22 1	0 36	5 14	2 14	1 9	0 42	19 26	0 43	23 1	0 24	2 16	2 42	10 27		n.a.
W13	4 42	7 17	0s57	15 45	2 20	0 56	0 46	13 21	1 36	21 59	0 36	5 17	2 14	1 8	0 42	19 26	0 43	23 1	0 24	2 16	2 40	10 30		n.a.
T 14	4 18	14 3	2 16	15 17	2 22	1 27	0 44	13 25	1 35	21 58	0 36	5 20	2 14	1 7	0 42	19 27	0 43	23 1	0 24	2 16	2 39	10 33		n.a.
F 15	3 55	19 57	3 24	14 46	2 24	1 59	0 41	13 28	1 34	21 56	0 36	5 23	2 14	1 6	0 42	19 27	0 43	23 1	0 24	2 17	2 38	10 36		n.a.
S 16	3 32	24 35	4 17	14 14	2 25	2 30	0 39	13 32	1 33	21 54	0 36	5 26	2 14	1 5	0 42	19 27	0 43	23 2	0 24	2 17	2 37	10 40		n.a.
S 17	3 8	27 38	4 55	13 41	2 25	3 2	0 37	13 35	1 32	21 52	0 37	5 29	2 14	1 4	0 42	19 28	0 43	23 2	0 24	2 17	2 35	10 43		n.a.
M18	2 45	28 56	5 14	13 6	2 25	3 33	0 35	13 38	1 31	21 50	0 37	5 31	2 13	1 3	0 42	19 28	0 43	23 2	0 24	2 17	2 34	10 46		n.a.
T 19	2 22	28 29	5 15	12 29	2 24	4 5	0 32	13 41	1 30	21 48	0 37	5 34	2 13	1 2	0 42	19 28	0 43	23 2	0 23	2 17	2 33	10 50		n.a.
W20	1 58	26 27	5 0	11 51	2 23	4 36	0 30	13 44	1 28	21 46	0 37	5 37	2 13	1 1	0 42	19 28	0 43	23 2	0 23	2 17	2 31	10 53		n.a.
T 21	1 35	23 5	4 31	11 11	2 22	5 7	0 28	13 47	1 27	21 45	0 37	5 40	2 13	1 0	0 42	19 29	0 43	23 2	0 23	2 16	2 30	10 56		n.a.
F 22	1 11	18 43	3 48	10 30	2 20	5 38	0 25	13 49	1 26	21 43	0 38	5 43	2 13	0 59	0 42	19 29	0 43	23 2	0 23	2 16	2 29	10 59		n.a.
S 23	0 48	13 39	2 56	9 48	2 17	6 9	0 23	13 52	1 24	21 41	0 38	5 46	2 13	0 58	0 42	19 29	0 43	23 2	0 23	2 15	2 28	11 3		n.a.
S 24	0 24	8 7	1 57	9 3	2 14	6 39	0 20	13 54	1 23	21 39	0 38	5 49	2 13	0 57	0 42	19 29	0 43	23 2	0 23	2 15	2 26	11 6		n.a.
M25	0 1	2 21	0 52	8 18	2 10	7 10	0 18	13 56	1 21	21 38	0 38	5 52	2 13	0 56	0 42	19 30	0 43	23 2	0 23	2 15	2 25	11 9		n.a.
T 26	0n23	3n26	0n14	7 31	2 5	7 41	0 15	13 57	1 20	21 36	0 38	5 55	2 13	0 55	0 42	19 30	0 43	23 3	0 23	2 15	2 24	11 12		n.a.
W27	0 46	9 4	1 18	6 42	2 1	8 11	0 13	13 59	1 18	21 34	0 39	5 58	2 12	0 54	0 42	19 30	0 43	23 3	0 23	2 15	2 23	11 16		n.a.
T 28	1 9	14 23	2 20	5 53	1 55	8 41	0 10	14 0	1 16	21 32	0 39	6 1	2 12	0 53	0 42	19 30	0 43	23 3	0 23	2 15	2 21	11 19		n.a.
F 29	1 33	19 10	3 15	5 1	1 49	9 11	0 8	14 2	1 15	21 31	0 39	6 4	2 12	0 52	0 42	19 30	0 43	23 3	0 23	2 15	2 20	11 22		n.a.
S 30	1 56	23 14	4 3	4 9	1 43	9 40	0 5	14 3	1 13	21 29	0 39	6 7	2 12	0 51	0 42	19 30	0 43	23 3	0 23	2 15	2 19	11 25		n.a.
S 31	2n19	26n23	4n40	3s15	1s36	10n10	0s 3	14s 3	1n11	21s27	0s39	6n10	2s12	0s50	0n42	19n31	0n43	23s 3	0n22	2n15	2n17	11n29		n.a.

Julian Day Number = 1644779.5, Delta T = 03h34m21s
Ecliptic obliquity = 23°43'24, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'57, Lahiri = - 6°50'57 Julian Calendar 1 March 210 BCE == Greg. Calendar 25 Feb. 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

APRIL 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 20 6	6♈45'12	19♊27	27♓33	27♈21	10°R32	28♉ 8	20♈54	3°R38	6°R40	21°R 8	5°R37	5♈39	25♈21	n.a.	M 1
T 2	12 24 2	7°43'16	1♋51	29°34	28°35	10♏28	28°17	21° 2	3♎36	6♌40	21♐ 8	5°D37	5°36	25°27	n.a.	T 2
W 3	12 27 59	8°41'19	14°35	1♈37	29°48	10°22	28°26	21° 9	3°33	6°39	21° 7	5♈37	5°33	25°34	n.a.	W 3
T 4	12 31 55	9°39'19	27°41	3°41	1♉ 1	10°16	28°35	21°17	3°31	6°39	21° 7	5°37	5°29	25°41	n.a.	T 4
F 5	12 35 52	10°37'17	11♌12	5°47	2°14	10°10	28°44	21°25	3°28	6°38	21° 7	5°37	5°26	25°47	n.a.	F 5
S 6	12 39 48	11°35'13	25°10	7°54	3°27	10° 2	28°52	21°33	3°26	6°38	21° 7	5°38	5°23	25°54	n.a.	S 6
S 7	12 43 45	12°33'07	9♍35	10° 2	4°40	9°54	29° 1	21°40	3°23	6°37	21° 6	5°38	5°20	26° 1	n.a.	S 7
M 8	12 47 41	13°30'59	24°21	12°10	5°54	9°45	29° 9	21°48	3°21	6°37	21° 6	5°39	5°17	26° 7	n.a.	M 8
T 9	12 51 38	14°28'50	9♎25	14°20	7° 7	9°35	29°17	21°56	3°18	6°36	21° 6	5°R39	5°14	26°14	n.a.	T 9
W10	12 55 35	15°26'39	24°36	16°30	8°20	9°25	29°25	22° 4	3°16	6°36	21° 5	5°38	5°10	26°21	n.a.	W10
T 11	12 59 31	16°24'26	9♏46	18°41	9°33	9°14	29°33	22°12	3°13	6°35	21° 5	5°37	5° 7	26°27	n.a.	T 11
F 12	13 3 28	17°22'12	24°45	20°51	10°46	9° 2	29°41	22°20	3°11	6°35	21° 4	5°36	5° 4	26°34	n.a.	F 12
S 13	13 7 24	18°19'57	9♐26	23° 1	11°58	8°50	29°48	22°27	3° 8	6°35	21° 4	5°35	5° 1	26°41	n.a.	S 13
S 14	13 11 21	19°17'41	23°43	25°11	13°11	8°36	29°56	22°35	3° 6	6°35	21° 4	5°33	4°58	26°47	n.a.	S 14
M15	13 15 17	20°15'23	7♑34	27°20	14°24	8°23	0♒ 3	22°43	3° 4	6°34	21° 3	5°32	4°55	26°54	n.a.	M15
T 16	13 19 14	21°13'04	20°59	29°27	15°37	8° 8	0°10	22°51	3° 1	6°34	21° 2	5°D32	4°51	27° 0	n.a.	T 16
W17	13 23 10	22°10'44	4♒ 0	1♑34	16°50	7°53	0°17	22°59	2°59	6°34	21° 2	5°32	4°48	27° 7	n.a.	W17
T 18	13 27 7	23° 8'23	16°40	3°38	18° 2	7°37	0°24	23° 7	2°57	6°34	21° 1	5°33	4°45	27°14	n.a.	T 18
F 19	13 31 4	24° 6'01	29° 3	5°41	19°15	7°21	0°31	23°15	2°54	6°34	21° 1	5°35	4°42	27°20	n.a.	F 19
S 20	13 35 0	25° 3'37	11♓12	7°42	20°28	7° 4	0°37	23°23	2°52	6°34	21° 0	5°36	4°39	27°27	n.a.	S 20
S 21	13 38 57	26° 1'13	23°11	9°40	21°40	6°47	0°44	23°30	2°50	6°34	20°59	5°37	4°35	27°34	n.a.	S 21
M22	13 42 53	26°58'47	5♈ 4	11°36	22°53	6°29	0°50	23°38	2°47	6°D34	20°59	5°R38	4°32	27°40	n.a.	M22
T 23	13 46 50	27°56'20	16°53	13°30	24° 6	6°11	0°56	23°46	2°45	6°34	20°58	5°37	4°29	27°47	n.a.	T 23
W24	13 50 46	28°53'52	28°40	15°21	25°18	5°53	1° 2	23°54	2°43	6°34	20°57	5°36	4°26	27°54	n.a.	W24
T 25	13 54 43	29°51'22	10♉29	17° 9	26°31	5°34	1° 8	24° 2	2°41	6°34	20°56	5°33	4°23	28° 0	n.a.	T 25
F 26	13 58 39	0♉48'52	22°20	18°54	27°43	5°14	1°13	24°10	2°39	6°34	20°56	5°29	4°20	28° 7	n.a.	F 26
S 27	14 2 36	1°46'20	4♊17	20°37	28°56	4°55	1°19	24°17	2°36	6°34	20°55	5°25	4°16	28°14	n.a.	S 27
S 28	14 6 32	2°43'47	16°21	22°16	0♊ 8	4°35	1°24	24°25	2°34	6°34	20°54	5°20	4°13	28°20	n.a.	S 28
M29	14 10 29	3°41'13	28°35	23°53	1°20	4°15	1°29	24°33	2°32	6°34	20°53	5°16	4°10	28°27	n.a.	M29
T 30	14 14 26	4♉38'37	11♋ 2	25♉26	2♊33	3♏55	1♒34	24♈41	2♎30	6♌35	20♐52	5♈13	4♈ 7	28♈34	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n43	28n22	5n 5	2s20	1s29	10n39	0s 0	14s 4	1n 9	21s26	0s40	6n13	2s12	0s49	0n42	19n31	0n43	23s 3	0n22	2n15	2n16	11n32		n.a.
T 2	3 6	29 0	5 17	1 24	1 21	11 8	0n 3	14 5	1 7	21 24	0 40	6 16	2 12	0 48	0 42	19 31	0 43	23 3	0 22	2 15	2 15	11 35		n.a.
W 3	3 29	28 7	5 14	0 27	1 12	11 37	0 5	14 5	1 5	21 22	0 40	6 19	2 12	0 47	0 42	19 31	0 43	23 3	0 22	2 15	2 14	11 38		n.a.
T 4	3 52	25 41	4 54	0n31	1 4	12 5	0 8	14 5	1 3	21 21	0 40	6 22	2 12	0 46	0 42	19 31	0 43	23 3	0 22	2 15	2 12	11 42		n.a.
F 5	4 15	21 45	4 19	1 29	0 54	12 33	0 11	14 5	1 1	21 19	0 41	6 25	2 12	0 45	0 42	19 31	0 43	23 3	0 22	2 15	2 11	11 45		n.a.
S 6	4 38	16 31	3 26	2 29	0 45	13 1	0 13	14 5	0 58	21 18	0 41	6 28	2 12	0 44	0 42	19 32	0 43	23 3	0 22	2 16	2 10	11 48		n.a.
S 7	5 1	10 13	2 20	3 29	0 35	13 29	0 16	14 4	0 56	21 16	0 41	6 31	2 11	0 43	0 42	19 32	0 43	23 3	0 22	2 16	2 9	11 51		n.a.
M 8	5 24	3 13	1 2	4 29	0 25	13 56	0 19	14 4	0 54	21 15	0 41	6 34	2 11	0 42	0 42	19 32	0 43	23 4	0 22	2 16	2 7	11 55		n.a.
T 9	5 46	4s 5	0s21	5 30	0 14	14 23	0 21	14 3	0 51	21 13	0 41	6 37	2 11	0 41	0 42	19 32	0 43	23 4	0 22	2 16	2 6	11 58		n.a.
W10	6 9	11 14	1 43	6 30	0 4	14 49	0 24	14 2	0 49	21 12	0 42	6 40	2 11	0 40	0 42	19 32	0 43	23 4	0 22	2 16	2 5	12 1		n.a.
T 11	6 32	17 43	2 58	7 30	0n 7	15 16	0 27	14 1	0 46	21 10	0 42	6 43	2 11	0 39	0 42	19 32	0 43	23 4	0 22	2 16	2 3	12 4		n.a.
F 12	6 54	23 3	4 0	8 30	0 17	15 41	0 29	13 59	0 43	21 9	0 42	6 46	2 11	0 38	0 42	19 32	0 43	23 4	0 21	2 15	2 2	12 7		n.a.
S 13	7 16	26 49	4 44	9 29	0 28	16 7	0 32	13 58	0 41	21 7	0 42	6 49	2 11	0 37	0 42	19 32	0 43	23 4	0 21	2 14	2 1	12 11		n.a.
S 14	7 38	28 44	5 10	10 27	0 38	16 32	0 34	13 56	0 38	21 6	0 43	6 52	2 11	0 36	0 42	19 32	0 43	23 4	0 21	2 14	2 0	12 14		n.a.
M15	8 0	28 46	5 16	11 24	0 49	16 56	0 37	13 54	0 35	21 5	0 43	6 55	2 11	0 35	0 42	19 32	0 43	23 4	0 21	2 14	1 58	12 17		n.a.
T 16	8 22	27 5	5 5	12 19	0 59	17 21	0 40	13 52	0 32	21 3	0 43	6 58	2 11	0 34	0 42	19 32	0 43	23 4	0 21	2 13	1 57	12 20		n.a.
W17	8 44	23 59	4 39	13 13	1 8	17 44	0 42	13 50	0 30	21 2	0 43	7 1	2 11	0 34	0 42	19 32	0 43	23 4	0 21	2 14	1 56	12 23		n.a.
T 18	9 6	19 49	3 59	14 5	1 18	18 8	0 45	13 48	0 27	21 1	0 44	7 4	2 11	0 33	0 42	19 32	0 43	23 4	0 21	2 14	1 55	12 27		n.a.
F 19	9 27	14 53	3 9	14 56	1 26	18 30	0 47	13 45	0 24	21 0	0 44	7 7	2 11	0 32	0 42	19 32	0 43	23 4	0 21	2 14	1 53	12 30		n.a.
S 20	9 49	9 28	2 11	15 44	1 35	18 53	0 50	13 43	0 21	20 58	0 44	7 10	2 11	0 31	0 42	19 32	0 43	23 4	0 21	2 15	1 52	12 33		n.a.
S 21	10 10	3 47	1 8	16 30	1 42	19 15	0 53	13 40	0 18	20 57	0 44	7 13	2 11	0 30	0 42	19 32	0 43	23 4	0 21	2 16	1 51	12 36		n.a.
M22	10 31	1n59	0 3	17 13	1 49	19 36	0 55	13 37	0 14	20 56	0 45	7 16	2 11	0 29	0 42	19 32	0 43	23 4	0 21	2 16	1 49	12 39		n.a.
T 23	10 52	7 39	1n 2	17 55	1 56	19 57	0 58	13 34	0 11	20 55	0 45	7 18	2 11	0 28	0 42	19 32	0 42	23 4	0 20	2 16	1 48	12 43		n.a.
W24	11 13	13 3	2 4	18 34	2 1	20 17	1 0	13 31	0 8	20 54	0 45	7 21	2 11	0 27	0 42	19 32	0 42	23 4	0 20	2 15	1 47	12 46		n.a.
T 25	11 33	17 59	3 0	19 10	2 7	20 37	1 2	13 27	0 5	20 53	0 45	7 24	2 11	0 26	0 42	19 32	0 42	23 4	0 20	2 14	1 46	12 49		n.a.
F 26	11 54	22 15	3 49	19 45	2 11	20 56	1 5	13 24	0 2	20 52	0 46	7 27	2 11	0 26	0 42	19 32	0 42	23 4	0 20	2 12	1 44	12 52		n.a.
S 27	12 14	25 39	4 28	20 16	2 14	21 15	1 7	13 20	0s 2	20 51	0 46	7 30	2 11	0 25	0 42	19 32	0 42	23 4	0 20	2 11	1 43	12 55		n.a.
S 28	12 34	27 55	4 56	20 46	2 17	21 33	1 10	13 17	0 5	20 50	0 46	7 33	2 11	0 24	0 42	19 32	0 42	23 4	0 20	2 9	1 42	12 58		n.a.
M29	12 54	28 54	5 11	21 12	2 19	21 51	1 12	13 13	0 8	20 49	0 46	7 36	2 11	0 23	0 42	19 32	0 42	23 4	0 20	2 7	1 41	13 2		n.a.
T 30	13n13	28n26	5n11	21n37	2n20	22n 8	1n14	13s10	0s12	20s48	0s47	7n39	2s11	0s22	0n42	19n32	0n42	23s 4	0n20	2n 6	1n39	13n 5		n.a.

Julian Day Number = 1644810.5, Delta T = 03h34m20s
Ecliptic obliquity = 23°43'24, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'53, Lahiri = - 6°50'53 Julian Calendar 1 Apr. 210 BCE == Greg. Calendar 28 March 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

MAY 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 18 22	5♉36'00	23♋45	26♉57	3♊45	3°R35	1♒39	24♈49	2°R28	6♏35	20°R51	5°R11	4♈ 4	28♈40	n.a.	W 1
T 2	14 22 19	6°33'22	6♏47	28°24	4°57	3♏15	1°44	24°56	2♎26	6°35	20♐50	5°D11	4° 1	28°47	n.a.	T 2
F 3	14 26 15	7°30'42	20°11	29°48	6° 9	2°55	1°48	25° 4	2°24	6°36	20°49	5♈11	3°57	28°54	n.a.	F 3
S 4	14 30 12	8°28'02	3♍59	1♊ 9	7°21	2°35	1°52	25°12	2°22	6°36	20°48	5°12	3°54	29° 0	n.a.	S 4
S 5	14 34 8	9°25'20	18°12	2°27	8°33	2°15	1°56	25°20	2°21	6°36	20°47	5°14	3°51	29° 7	n.a.	S 5
M 6	14 38 5	10°22'36	2♎48	3°42	9°45	1°55	2° 0	25°27	2°19	6°37	20°46	5°R15	3°48	29°14	n.a.	M 6
T 7	14 42 2	11°19'52	17°45	4°53	10°57	1°35	2° 4	25°35	2°17	6°37	20°45	5°14	3°45	29°20	n.a.	T 7
W 8	14 45 58	12°17'07	2♏54	6° 2	12° 9	1°16	2° 8	25°43	2°15	6°38	20°44	5°12	3°41	29°27	n.a.	W 8
T 9	14 49 55	13°14'21	18° 6	7° 6	13°21	0°57	2°11	25°50	2°13	6°38	20°43	5° 8	3°38	29°34	n.a.	T 9
F 10	14 53 51	14°11'34	3♐13	8° 7	14°33	0°38	2°14	25°58	2°12	6°39	20°42	5° 3	3°35	29°40	n.a.	F 10
S 11	14 57 48	15° 8'47	18° 4	9° 5	15°45	0°20	2°17	26° 6	2°10	6°40	20°41	4°57	3°32	29°47	n.a.	S 11
S 12	15 1 44	16° 6'00	2♑32	9°59	16°57	0° 1	2°20	26°13	2° 9	6°40	20°40	4°52	3°29	29°54	n.a.	S 12
M13	15 5 41	17° 3'12	16°33	10°50	18° 8	29♎44	2°23	26°21	2° 7	6°41	20°39	4°47	3°26	0♉ 0	n.a.	M13
T 14	15 9 37	18° 0'23	0♒ 4	11°36	19°20	29°27	2°25	26°28	2° 5	6°42	20°38	4°44	3°22	0° 7	n.a.	T 14
W15	15 13 34	18°57'34	13° 8	12°19	20°32	29°10	2°27	26°36	2° 4	6°42	20°36	4°42	3°19	0°14	n.a.	W15
T 16	15 17 31	19°54'45	25°48	12°57	21°43	28°54	2°30	26°43	2° 3	6°43	20°35	4°D42	3°16	0°20	n.a.	T 16
F 17	15 21 27	20°51'55	8♓ 7	13°32	22°55	28°38	2°31	26°51	2° 1	6°44	20°34	4°43	3°13	0°27	n.a.	F 17
S 18	15 25 24	21°49'06	20°12	14° 2	24° 6	28°23	2°33	26°58	2° 0	6°45	20°33	4°44	3°10	0°34	n.a.	S 18
S 19	15 29 20	22°46'15	2♈ 6	14°28	25°18	28° 9	2°35	27° 5	1°58	6°46	20°32	4°R45	3° 7	0°40	n.a.	S 19
M20	15 33 17	23°43'25	13°55	14°50	26°29	27°55	2°36	27°13	1°57	6°46	20°30	4°45	3° 3	0°47	n.a.	M20
T 21	15 37 13	24°40'35	25°41	15° 7	27°40	27°42	2°37	27°20	1°56	6°47	20°29	4°42	3° 0	0°54	n.a.	T 21
W22	15 41 10	25°37'44	7♉30	15°20	28°52	27°30	2°38	27°27	1°55	6°48	20°28	4°38	2°57	1° 0	n.a.	W22
T 23	15 45 6	26°34'53	19°22	15°28	0♋ 3	27°18	2°39	27°35	1°54	6°49	20°26	4°31	2°54	1° 7	n.a.	T 23
F 24	15 49 3	27°32'02	1♊20	15°R32	1°14	27° 7	2°40	27°42	1°53	6°50	20°25	4°23	2°51	1°14	n.a.	F 24
S 25	15 53 0	28°29'10	13°27	15°31	2°25	26°57	2°40	27°49	1°52	6°51	20°24	4°13	2°47	1°20	n.a.	S 25
S 26	15 56 56	29°26'19	25°42	15°26	3°36	26°48	2°R40	27°56	1°51	6°52	20°22	4° 3	2°44	1°27	n.a.	S 26
M27	16 0 53	0♊23'27	8♋ 7	15°16	4°47	26°40	2°40	28° 3	1°50	6°54	20°21	3°53	2°41	1°34	n.a.	M27
T 28	16 4 49	1°20'34	20°44	15° 2	5°58	26°32	2°40	28°10	1°49	6°55	20°20	3°46	2°38	1°40	n.a.	T 28
W29	16 8 46	2°17'42	3♌33	14°43	7° 9	26°25	2°39	28°17	1°48	6°56	20°18	3°40	2°35	1°47	n.a.	W29
T 30	16 12 42	3°14'49	16°38	14°21	8°20	26°19	2°39	28°24	1°47	6°57	20°17	3°37	2°32	1°54	n.a.	T 30
F 31	16 16 39	4♊11'55	29♌59	13♊56	9♋31	26♎14	2♒38	28♈31	1♎46	6♏58	20♐16	3°D35	2♈28	2♉ 0	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	13n33	26n29	4n57	21n59	2n21	22n24	1n16	13s 6	0s15	20s47	0s47	7n42	2s11	0s22	0n42	19n32	0n42	23s 4	0n20	2n 5	1n38	13n 8			n.a.
T 2	13 52	23 6	4 27	22 19	2 21	22 40	1 19	13 2	0 19	20 47	0 47	7 45	2 11	0 21	0 42	19 32	0 42	23 5	0 20	2 5	1 37	13 11			n.a.
F 3	14 11	18 26	3 42	22 37	2 19	22 55	1 21	12 58	0 22	20 46	0 47	7 47	2 11	0 20	0 42	19 32	0 42	23 5	0 20	2 5	1 35	13 14			n.a.
S 4	14 30	12 41	2 43	22 53	2 17	23 9	1 23	12 55	0 25	20 45	0 48	7 50	2 11	0 19	0 42	19 32	0 42	23 5	0 19	2 6	1 34	13 17			n.a.
S 5	14 48	6 7	1 32	23 6	2 15	23 23	1 25	12 51	0 29	20 44	0 48	7 53	2 11	0 19	0 42	19 31	0 42	23 5	0 19	2 6	1 33	13 21			n.a.
M 6	15 6	0s56	0 13	23 17	2 11	23 36	1 27	12 47	0 32	20 44	0 48	7 56	2 11	0 18	0 41	19 31	0 42	23 5	0 19	2 6	1 32	13 24			n.a.
T 7	15 24	8 5	1s 8	23 27	2 7	23 49	1 29	12 43	0 36	20 43	0 49	7 59	2 11	0 17	0 41	19 31	0 42	23 5	0 19	2 6	1 30	13 27			n.a.
W 8	15 42	14 53	2 25	23 34	2 2	24 1	1 31	12 40	0 39	20 43	0 49	8 1	2 11	0 16	0 41	19 31	0 42	23 5	0 19	2 5	1 29	13 30			n.a.
T 9	16 0	20 49	3 32	23 40	1 56	24 12	1 32	12 36	0 42	20 42	0 49	8 4	2 11	0 16	0 41	19 31	0 42	23 5	0 19	2 4	1 28	13 33			n.a.
F 10	16 17	25 22	4 24	23 43	1 49	24 23	1 34	12 32	0 46	20 42	0 49	8 7	2 11	0 15	0 41	19 31	0 42	23 5	0 19	2 2	1 26	13 36			n.a.
S 11	16 34	28 6	4 57	23 45	1 42	24 32	1 36	12 29	0 49	20 41	0 50	8 10	2 11	0 15	0 41	19 31	0 42	23 5	0 19	1 59	1 25	13 39			n.a.
S 12	16 51	28 52	5 10	23 45	1 34	24 42	1 38	12 26	0 52	20 41	0 50	8 12	2 11	0 14	0 41	19 30	0 42	23 5	0 19	1 57	1 24	13 43			n.a.
M13	17 8	27 42	5 4	23 44	1 25	24 50	1 39	12 22	0 55	20 41	0 50	8 15	2 11	0 13	0 41	19 30	0 42	23 5	0 19	1 55	1 23	13 46			n.a.
T 14	17 24	24 56	4 40	23 41	1 15	24 58	1 41	12 19	0 59	20 40	0 50	8 18	2 11	0 13	0 41	19 30	0 42	23 5	0 19	1 54	1 21	13 49			n.a.
W15	17 40	20 57	4 3	23 36	1 5	25 5	1 42	12 16	1 2	20 40	0 51	8 20	2 11	0 12	0 41	19 30	0 42	23 5	0 18	1 53	1 20	13 52			n.a.
T 16	17 56	16 8	3 15	23 30	0 54	25 11	1 44	12 13	1 5	20 40	0 51	8 23	2 11	0 12	0 41	19 30	0 42	23 5	0 18	1 53	1 19	13 55			n.a.
F 17	18 11	10 46	2 19	23 23	0 42	25 17	1 45	12 10	1 8	20 40	0 51	8 26	2 11	0 11	0 41	19 29	0 42	23 5	0 18	1 54	1 18	13 58			n.a.
S 18	18 26	5 7	1 18	23 14	0 29	25 22	1 46	12 8	1 11	20 40	0 52	8 28	2 11	0 11	0 41	19 29	0 42	23 5	0 18	1 54	1 16	14 1			n.a.
S 19	18 41	0n38	0 14	23 4	0 16	25 26	1 47	12 5	1 14	20 39	0 52	8 31	2 11	0 10	0 41	19 29	0 42	23 5	0 18	1 55	1 15	14 4			n.a.
M20	18 56	6 18	0n49	22 53	0 2	25 29	1 49	12 3	1 17	20 39	0 52	8 34	2 11	0 10	0 41	19 29	0 42	23 5	0 18	1 54	1 14	14 7			n.a.
T 21	19 10	11 45	1 50	22 41	0s12	25 32	1 50	12 1	1 20	20 39	0 52	8 36	2 12	0 9	0 41	19 28	0 42	23 5	0 18	1 54	1 12	14 11			n.a.
W22	19 24	16 48	2 47	22 28	0 27	25 34	1 51	11 59	1 23	20 39	0 53	8 39	2 12	0 9	0 41	19 28	0 42	23 5	0 18	1 52	1 11	14 14			n.a.
T 23	19 37	21 14	3 36	22 13	0 42	25 35	1 52	11 58	1 26	20 40	0 53	8 41	2 12	0 8	0 41	19 28	0 42	23 5	0 18	1 49	1 10	14 17			n.a.
F 24	19 51	24 51	4 16	21 58	0 58	25 35	1 52	11 56	1 28	20 40	0 53	8 44	2 12	0 8	0 41	19 28	0 42	23 5	0 18	1 46	1 9	14 20			n.a.
S 25	20 4	27 24	4 46	21 42	1 14	25 35	1 53	11 55	1 31	20 40	0 54	8 46	2 12	0 7	0 41	19 27	0 42	23 5	0 18	1 42	1 7	14 23			n.a.
S 26	20 16	28 41	5 2	21 25	1 30	25 34	1 54	11 54	1 34	20 40	0 54	8 49	2 12	0 7	0 41	19 27	0 42	23 5	0 17	1 38	1 6	14 26			n.a.
M27	20 28	28 32	5 4	21 8	1 46	25 33	1 54	11 54	1 36	20 40	0 54	8 51	2 12	0 7	0 41	19 27	0 42	23 5	0 17	1 34	1 5	14 29			n.a.
T 28	20 40	26 54	4 52	20 50	2 3	25 30	1 55	11 53	1 39	20 41	0 54	8 54	2 12	0 6	0 41	19 27	0 42	23 5	0 17	1 31	1 4	14 32			n.a.
W29	20 52	23 52	4 25	20 32	2 19	25 27	1 55	11 53	1 41	20 41	0 55	8 56	2 12	0 6	0 41	19 26	0 42	23 5	0 17	1 28	1 2	14 35			n.a.
T 30	21 3	19 35	3 44	20 14	2 35	25 23	1 56	11 53	1 44	20 42	0 55	8 59	2 12	0 6	0 41	19 26	0 42	23 5	0 17	1 27	1 1	14 38			n.a.
F 31	21n14	14n15	2n49	19n56	2s50	25n18	1n56	11s53	1s46	20s42	0s55	9n 1	2s12	0s 6	0n41	19n26	0n42	23s 5	0n17	1n27	1n 0	14n41			n.a.

Julian Day Number = 1644840.5, Delta T = 03h34m20s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'49, Lahiri = - 6°50'49 Julian Calendar 1 May 210 BCE == Greg. Calendar 27 Apr. 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

JUNE 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 20 36	5♊ 9'01	13♍40	13°R27	10♋41	26°R10	2°R37	28♈38	1°R46	6♌59	20°R14	3♈35	2♈25	2♉ 7	n.a.	S 1
S 2	16 24 32	6° 6'07	27°41	12♊55	11°52	26♎ 7	2♒36	28°45	1♎45	7° 1	20♐13	3°R36	2°22	2°14	n.a.	S 2
M 3	16 28 29	7° 3'13	12♎ 3	12°21	13° 3	26° 4	2°35	28°52	1°44	7° 2	20°11	3°36	2°19	2°20	n.a.	M 3
T 4	16 32 25	8° 0'18	26°42	11°46	14°13	26° 3	2°33	28°58	1°44	7° 3	20°10	3°34	2°16	2°27	n.a.	T 4
W 5	16 36 22	8°57'23	11♏36	11° 9	15°24	26° 2	2°31	29° 5	1°43	7° 5	20° 9	3°30	2°13	2°34	n.a.	W 5
T 6	16 40 18	9°54'29	26°37	10°32	16°34	26°D 2	2°29	29°12	1°43	7° 6	20° 7	3°23	2° 9	2°40	n.a.	T 6
F 7	16 44 15	10°51'34	11♐36	9°55	17°44	26° 2	2°27	29°18	1°43	7° 7	20° 6	3°14	2° 6	2°47	n.a.	F 7
S 8	16 48 11	11°48'40	26°23	9°18	18°54	26° 4	2°25	29°25	1°42	7° 9	20° 4	3° 4	2° 3	2°54	n.a.	S 8
S 9	16 52 8	12°45'46	10♑52	8°43	20° 5	26° 7	2°22	29°31	1°42	7°10	20° 3	2°54	2° 0	3° 0	n.a.	S 9
M10	16 56 5	13°42'53	24°55	8°10	21°15	26°10	2°20	29°38	1°42	7°12	20° 1	2°46	1°57	3° 7	n.a.	M10
T 11	17 0 1	14°40'00	8♒30	7°40	22°25	26°14	2°17	29°44	1°42	7°13	20° 0	2°39	1°53	3°14	n.a.	T 11
W12	17 3 58	15°37'07	21°37	7°13	23°35	26°19	2°14	29°50	1°41	7°15	19°58	2°34	1°50	3°20	n.a.	W12
T 13	17 7 54	16°34'15	4♓19	6°49	24°44	26°24	2°11	29°57	1°41	7°16	19°57	2°32	1°47	3°27	n.a.	T 13
F 14	17 11 51	17°31'24	16°39	6°30	25°54	26°31	2° 7	0♉ 3	1°D41	7°18	19°56	2°D32	1°44	3°34	n.a.	F 14
S 15	17 15 47	18°28'33	28°44	6°15	27° 4	26°38	2° 4	0° 9	1°41	7°19	19°54	2°R32	1°41	3°40	n.a.	S 15
S 16	17 19 44	19°25'43	10♈38	6° 4	28°13	26°46	2° 0	0°15	1°41	7°21	19°53	2°31	1°38	3°47	n.a.	S 16
M17	17 23 40	20°22'54	22°26	5°D59	29°23	26°55	1°56	0°21	1°41	7°23	19°51	2°30	1°34	3°54	n.a.	M17
T 18	17 27 37	21°20'06	4♉14	6° 0	0♌32	27° 4	1°52	0°27	1°42	7°24	19°50	2°26	1°31	4° 0	n.a.	T 18
W19	17 31 34	22°17'18	16° 5	6° 5	1°42	27°14	1°48	0°33	1°42	7°26	19°48	2°20	1°28	4° 7	n.a.	W19
T 20	17 35 30	23°14'31	28° 4	6°17	2°51	27°25	1°43	0°39	1°42	7°28	19°47	2°11	1°25	4°14	n.a.	T 20
F 21	17 39 27	24°11'45	10♊11	6°33	4° 0	27°37	1°39	0°45	1°43	7°29	19°45	2° 0	1°22	4°20	n.a.	F 21
S 22	17 43 23	25° 9'00	22°30	6°56	5° 9	27°49	1°34	0°50	1°43	7°31	19°44	1°47	1°19	4°27	n.a.	S 22
S 23	17 47 20	26° 6'16	5♋ 0	7°25	6°18	28° 2	1°29	0°56	1°43	7°33	19°42	1°34	1°15	4°34	n.a.	S 23
M24	17 51 16	27° 3'32	17°42	7°59	7°27	28°16	1°24	1° 2	1°44	7°35	19°41	1°21	1°12	4°40	n.a.	M24
T 25	17 55 13	28° 0'49	0♌35	8°39	8°36	28°30	1°18	1° 7	1°44	7°36	19°39	1°10	1° 9	4°47	n.a.	T 25
W26	17 59 10	28°58'06	13°40	9°24	9°45	28°45	1°13	1°12	1°45	7°38	19°38	1° 2	1° 6	4°54	n.a.	W26
T 27	18 3 6	29°55'24	26°57	10°15	10°54	29° 1	1° 7	1°18	1°46	7°40	19°37	0°57	1° 3	5° 0	n.a.	T 27
F 28	18 7 3	0♋52'43	10♍25	11°12	12° 2	29°18	1° 2	1°23	1°46	7°42	19°35	0°55	0°59	5° 7	n.a.	F 28
S 29	18 10 59	1°50'02	24° 7	12°14	13°10	29°35	0°56	1°28	1°47	7°44	19°34	0°54	0°56	5°14	n.a.	S 29
S 30	18 14 56	2♋47'22	8♎ 3	13♊22	14♌19	29♎52	0♒50	1♉33	1♎48	7♌46	19♐32	0♈54	0♈53	5♉20	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n25	8n 6	1n44	19n38	3s 5	25n13	1n56	11s54	1s48	20s43	0s56	9n 3	2s12	0s 5	0n41	19n25	0n42	23s 5	0n17	1n27	0n58	14n45		n.a.
S 2	21 35	1 25	0 32	19 20	3 19	25 7	1 56	11 55	1 50	20 43	0 56	9 6	2 13	0 5	0 41	19 25	0 42	23 5	0 17	1 27	0 57	14 48		n.a.
M 3	21 45	5s30	0s45	19 2	3 32	25 0	1 56	11 56	1 53	20 44	0 56	9 8	2 13	0 5	0 40	19 25	0 42	23 5	0 17	1 27	0 56	14 51		n.a.
T 4	21 54	12 17	2 0	18 46	3 44	24 53	1 56	11 57	1 55	20 44	0 56	9 10	2 13	0 5	0 40	19 24	0 42	23 5	0 17	1 26	0 55	14 54		n.a.
W 5	22 3	18 28	3 8	18 30	3 55	24 45	1 56	11 59	1 57	20 45	0 57	9 13	2 13	0 5	0 40	19 24	0 42	23 5	0 17	1 24	0 53	14 57		n.a.
T 6	22 12	23 34	4 3	18 15	4 5	24 36	1 56	12 0	1 59	20 46	0 57	9 15	2 13	0 4	0 40	19 24	0 42	23 5	0 16	1 22	0 52	15 0		n.a.
F 7	22 20	27 5	4 42	18 1	4 14	24 26	1 55	12 3	2 1	20 46	0 57	9 17	2 13	0 4	0 40	19 23	0 42	23 5	0 16	1 18	0 51	15 3		n.a.
S 8	22 28	28 41	5 1	17 49	4 21	24 16	1 55	12 5	2 2	20 47	0 58	9 19	2 13	0 4	0 40	19 23	0 42	23 5	0 16	1 14	0 49	15 6		n.a.
S 9	22 36	28 15	5 0	17 38	4 26	24 5	1 54	12 7	2 4	20 48	0 58	9 22	2 13	0 4	0 40	19 22	0 42	23 5	0 16	1 10	0 48	15 9		n.a.
M10	22 43	26 0	4 41	17 29	4 30	23 54	1 54	12 10	2 6	20 49	0 58	9 24	2 13	0 4	0 40	19 22	0 42	23 5	0 16	1 7	0 47	15 12		n.a.
T 11	22 50	22 18	4 6	17 22	4 32	23 42	1 53	12 13	2 8	20 50	0 58	9 26	2 14	0 4	0 40	19 22	0 42	23 5	0 16	1 4	0 46	15 15		n.a.
W12	22 56	17 36	3 19	17 17	4 33	23 29	1 52	12 17	2 9	20 51	0 59	9 28	2 14	0 4	0 40	19 21	0 42	23 5	0 16	1 2	0 44	15 18		n.a.
T 13	23 2	12 16	2 24	17 14	4 32	23 15	1 51	12 20	2 11	20 52	0 59	9 30	2 14	0 4	0 40	19 21	0 42	23 5	0 16	1 1	0 43	15 21		n.a.
F 14	23 8	6 36	1 23	17 13	4 30	23 1	1 50	12 24	2 13	20 53	0 59	9 32	2 14	0 4	0 40	19 20	0 42	23 5	0 16	1 1	0 42	15 24		n.a.
S 15	23 13	0 49	0 20	17 14	4 26	22 47	1 49	12 28	2 14	20 54	1 0	9 34	2 14	0 4	0 40	19 20	0 42	23 4	0 16	1 1	0 41	15 27		n.a.
S 16	23 18	4n55	0n43	17 17	4 21	22 31	1 48	12 32	2 15	20 55	1 0	9 36	2 14	0 4	0 40	19 20	0 42	23 4	0 15	1 1	0 39	15 30		n.a.
M17	23 22	10 26	1 44	17 22	4 15	22 16	1 47	12 37	2 17	20 56	1 0	9 38	2 14	0 4	0 40	19 19	0 42	23 4	0 15	1 0	0 38	15 33		n.a.
T 18	23 26	15 35	2 40	17 30	4 8	21 59	1 45	12 42	2 18	20 58	1 0	9 40	2 14	0 4	0 40	19 19	0 42	23 4	0 15	0 59	0 37	15 36		n.a.
W19	23 30	20 11	3 29	17 39	3 59	21 42	1 44	12 47	2 20	20 59	1 1	9 42	2 15	0 5	0 40	19 18	0 42	23 4	0 15	0 56	0 35	15 39		n.a.
T 20	23 33	24 0	4 9	17 50	3 50	21 25	1 42	12 52	2 21	21 0	1 1	9 44	2 15	0 5	0 40	19 18	0 42	23 4	0 15	0 53	0 34	15 42		n.a.
F 21	23 36	26 50	4 39	18 3	3 39	21 6	1 40	12 57	2 22	21 1	1 1	9 46	2 15	0 5	0 40	19 17	0 42	23 4	0 15	0 48	0 33	15 45		n.a.
S 22	23 38	28 26	4 56	18 18	3 28	20 48	1 39	13 3	2 23	21 3	1 1	9 48	2 15	0 5	0 40	19 17	0 42	23 4	0 15	0 43	0 32	15 48		n.a.
S 23	23 40	28 37	4 59	18 35	3 16	20 29	1 37	13 8	2 24	21 4	1 2	9 50	2 15	0 5	0 40	19 17	0 42	23 4	0 15	0 38	0 30	15 51		n.a.
M24	23 41	27 18	4 48	18 52	3 4	20 9	1 35	13 14	2 25	21 5	1 2	9 51	2 15	0 5	0 40	19 16	0 42	23 4	0 15	0 33	0 29	15 54		n.a.
T 25	23 42	24 31	4 22	19 12	2 51	19 49	1 33	13 21	2 26	21 7	1 2	9 53	2 16	0 6	0 40	19 16	0 42	23 4	0 15	0 28	0 28	15 57		n.a.
W26	23 43	20 27	3 42	19 32	2 37	19 28	1 30	13 27	2 27	21 8	1 2	9 55	2 16	0 6	0 40	19 15	0 42	23 4	0 14	0 25	0 26	16 0		n.a.
T 27	23 43	15 19	2 49	19 53	2 24	19 7	1 28	13 34	2 28	21 10	1 3	9 57	2 16	0 6	0 40	19 15	0 42	23 4	0 14	0 23	0 25	16 3		n.a.
F 28	23 43	9 23	1 46	20 15	2 10	18 45	1 26	13 40	2 29	21 11	1 3	9 58	2 16	0 7	0 39	19 14	0 42	23 4	0 14	0 22	0 24	16 6		n.a.
S 29	23 43	2 54	0 36	20 37	1 55	18 23	1 23	13 47	2 30	21 13	1 3	10 0	2 16	0 7	0 39	19 14	0 42	23 4	0 14	0 22	0 23	16 9		n.a.
S 30	23n42	3s48	0s38	21n 0	1s41	18n 1	1n20	13s55	2s31	21s14	1s 3	10n 1	2s16	0s 7	0n39	19n13	0n42	23s 4	0n14	0n22	0n21	16n12		n.a.

Julian Day Number = 1644871.5, Delta T = 03h34m19s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'45, Lahiri = - 6°50'44 Julian Calendar 1 June 210 BCE == Greg. Calendar 28 May 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

JULY 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 18 52	3♋44'42	22♎12	14♊34	15♌27	0♏10	0°R44	1♉38	1♎49	7♌48	19°R31	0°R53	0♈50	5♉27	n.a.	M 1
T 2	18 22 49	4°42'04	6♏34	15°52	16°35	0°29	0♒38	1°43	1°50	7°49	19♐29	0♈51	0°47	5°34	n.a.	T 2
W 3	18 26 45	5°39'26	21° 7	17°15	17°43	0°49	0°31	1°48	1°51	7°51	19°28	0°46	0°44	5°40	n.a.	W 3
T 4	18 30 42	6°36'48	5♐46	18°43	18°51	1° 9	0°25	1°53	1°52	7°53	19°27	0°38	0°40	5°47	n.a.	T 4
F 5	18 34 39	7°34'12	20°24	20°15	19°58	1°29	0°18	1°58	1°53	7°55	19°25	0°29	0°37	5°54	n.a.	F 5
S 6	18 38 35	8°31'37	4♑54	21°51	21° 6	1°50	0°11	2° 2	1°54	7°57	19°24	0°17	0°34	6° 0	n.a.	S 6
S 7	18 42 32	9°29'03	19° 9	23°32	22°13	2°12	0° 5	2° 7	1°55	7°59	19°23	0° 6	0°31	6° 7	n.a.	S 7
M 8	18 46 28	10°26'30	3♒ 4	25°16	23°21	2°34	29♑58	2°12	1°56	8° 1	19°21	29♓56	0°28	6°14	n.a.	M 8
T 9	18 50 25	11°23'58	16°34	27° 3	24°28	2°56	29°51	2°16	1°57	8° 3	19°20	29°48	0°25	6°20	n.a.	T 9
W10	18 54 21	12°21'28	29°40	28°54	25°35	3°20	29°44	2°20	1°59	8° 5	19°19	29°42	0°21	6°27	n.a.	W10
T 11	18 58 18	13°18'59	12♓22	0♋47	26°42	3°43	29°36	2°25	2° 0	8° 7	19°17	29°39	0°18	6°34	n.a.	T 11
F 12	19 2 14	14°16'32	24°44	2°43	27°48	4° 7	29°29	2°29	2° 2	8°10	19°16	29°D38	0°15	6°40	n.a.	F 12
S 13	19 6 11	15°14'06	6♈50	4°41	28°55	4°32	29°22	2°33	2° 3	8°12	19°15	29°38	0°12	6°47	n.a.	S 13
S 14	19 10 8	16°11'41	18°45	6°40	0♍ 1	4°57	29°14	2°37	2° 5	8°14	19°13	29°R38	0° 9	6°54	n.a.	S 14
M15	19 14 4	17° 9'19	0♉35	8°40	1° 8	5°22	29° 7	2°41	2° 6	8°16	19°12	29°37	0° 5	7° 0	n.a.	M15
T 16	19 18 1	18° 6'58	12°25	10°41	2°14	5°48	28°59	2°44	2° 8	8°18	19°11	29°35	0° 2	7° 7	n.a.	T 16
W17	19 21 57	19° 4'39	24°19	12°43	3°20	6°14	28°52	2°48	2° 9	8°20	19°10	29°30	29♓59	7°14	n.a.	W17
T 18	19 25 54	20° 2'21	6♊23	14°45	4°25	6°41	28°44	2°52	2°11	8°22	19° 8	29°22	29°56	7°20	n.a.	T 18
F 19	19 29 50	21° 0'05	18°39	16°47	5°31	7° 8	28°36	2°55	2°13	8°24	19° 7	29°13	29°53	7°27	n.a.	F 19
S 20	19 33 47	21°57'51	1♋ 9	18°49	6°36	7°36	28°28	2°59	2°15	8°26	19° 6	29° 2	29°50	7°34	n.a.	S 20
S 21	19 37 43	22°55'38	13°55	20°50	7°42	8° 4	28°21	3° 2	2°16	8°29	19° 5	28°50	29°46	7°40	n.a.	S 21
M22	19 41 40	23°53'27	26°55	22°51	8°47	8°32	28°13	3° 5	2°18	8°31	19° 4	28°39	29°43	7°47	n.a.	M22
T 23	19 45 37	24°51'17	10♌10	24°50	9°52	9° 1	28° 5	3° 8	2°20	8°33	19° 3	28°30	29°40	7°54	n.a.	T 23
W24	19 49 33	25°49'09	23°37	26°49	10°56	9°30	27°57	3°11	2°22	8°35	19° 2	28°23	29°37	8° 0	n.a.	W24
T 25	19 53 30	26°47'02	7♍15	28°47	12° 1	10° 0	27°49	3°14	2°24	8°37	19° 0	28°18	29°34	8° 7	n.a.	T 25
F 26	19 57 26	27°44'57	21° 1	0♌44	13° 5	10°30	27°41	3°17	2°26	8°40	18°59	28°17	29°31	8°14	n.a.	F 26
S 27	20 1 23	28°42'53	4♎55	2°39	14° 9	11° 0	27°33	3°20	2°29	8°42	18°58	28°D17	29°27	8°20	n.a.	S 27
S 28	20 5 19	29°40'51	18°56	4°34	15°13	11°30	27°25	3°22	2°31	8°44	18°57	28°17	29°24	8°27	n.a.	S 28
M29	20 9 16	0♌38'49	3♏ 2	6°27	16°16	12° 1	27°17	3°25	2°33	8°46	18°56	28°R17	29°21	8°34	n.a.	M29
T 30	20 13 12	1°36'50	17°14	8°19	17°20	12°33	27°10	3°27	2°35	8°48	18°55	28°16	29°18	8°41	n.a.	T 30
W31	20 17 9	2♌34'52	1♐29	10♌ 9	18♍23	13♏ 4	27♑ 2	3♉30	2♎37	8♌51	18♐54	28♓13	29♓15	8♉47	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23n40	10s27	1s50	21n23	1s27	17n38	1n18	14s 2	2s32	21s16	1s 4	10n 3	2s17	0s 8	0n39	19n13	0n42	23s 4	0n14	0n21	0n20	16n15			n.a.
T 2	23 38	16 39	2 56	21 46	1 12	17 14	1 15	14 9	2 33	21 18	1 4	10 5	2 17	0 8	0 39	19 12	0 42	23 4	0 14	0 20	0 19	16 18			n.a.
W 3	23 36	21 59	3 52	22 8	0 58	16 51	1 12	14 17	2 33	21 19	1 4	10 6	2 17	0 9	0 39	19 12	0 42	23 4	0 14	0 18	0 18	16 21			n.a.
T 4	23 33	26 0	4 33	22 30	0 44	16 27	1 9	14 25	2 34	21 21	1 4	10 8	2 17	0 9	0 39	19 11	0 42	23 4	0 14	0 15	0 16	16 24			n.a.
F 5	23 30	28 17	4 56	22 51	0 30	16 2	1 6	14 33	2 35	21 23	1 5	10 9	2 17	0 9	0 39	19 11	0 42	23 4	0 14	0 11	0 15	16 27			n.a.
S 6	23 27	28 37	5 0	23 11	0 17	15 37	1 3	14 41	2 35	21 24	1 5	10 11	2 17	0 10	0 39	19 10	0 42	23 4	0 13	0 7	0 14	16 30			n.a.
S 7	23 23	27 2	4 44	23 29	0 4	15 12	0 59	14 49	2 36	21 26	1 5	10 12	2 18	0 10	0 39	19 10	0 42	23 4	0 13	0 2	0 12	16 33			n.a.
M 8	23 18	23 48	4 12	23 46	0n 8	14 47	0 56	14 57	2 37	21 28	1 5	10 13	2 18	0 11	0 39	19 9	0 42	23 4	0 13	0s 2	0 11	16 36			n.a.
T 9	23 14	19 20	3 27	24 1	0 20	14 21	0 52	15 5	2 37	21 29	1 5	10 15	2 18	0 12	0 39	19 9	0 42	23 4	0 13	0 5	0 10	16 38			n.a.
W10	23 8	14 5	2 32	24 14	0 31	13 55	0 49	15 14	2 38	21 31	1 6	10 16	2 18	0 12	0 39	19 8	0 42	23 4	0 13	0 7	0 9	16 41			n.a.
T 11	23 3	8 23	1 30	24 25	0 42	13 28	0 45	15 23	2 38	21 33	1 6	10 17	2 18	0 13	0 39	19 7	0 42	23 4	0 13	0 8	0 7	16 44			n.a.
F 12	22 57	2 31	0 26	24 33	0 51	13 1	0 41	15 31	2 38	21 35	1 6	10 19	2 19	0 13	0 39	19 7	0 42	23 4	0 13	0 9	0 6	16 47			n.a.
S 13	22 50	3n20	0n38	24 39	1 0	12 34	0 37	15 40	2 39	21 36	1 6	10 20	2 19	0 14	0 39	19 6	0 42	23 4	0 13	0 9	0 5	16 50			n.a.
S 14	22 44	8 58	1 40	24 42	1 9	12 7	0 33	15 49	2 39	21 38	1 6	10 21	2 19	0 15	0 39	19 6	0 42	23 4	0 13	0 9	0 3	16 53			n.a.
M15	22 36	14 15	2 37	24 42	1 16	11 39	0 29	15 58	2 40	21 40	1 7	10 22	2 19	0 15	0 39	19 5	0 42	23 4	0 13	0 9	0 2	16 56			n.a.
T 16	22 29	19 1	3 27	24 40	1 23	11 12	0 25	16 7	2 40	21 42	1 7	10 23	2 19	0 16	0 39	19 5	0 42	23 4	0 12	0 10	0 1	16 59			n.a.
W17	22 21	23 4	4 8	24 34	1 28	10 44	0 21	16 16	2 40	21 43	1 7	10 24	2 20	0 17	0 39	19 4	0 42	23 4	0 12	0 12	0s 0	17 2			n.a.
T 18	22 12	26 12	4 39	24 27	1 33	10 15	0 16	16 26	2 41	21 45	1 7	10 25	2 20	0 17	0 39	19 4	0 42	23 4	0 12	0 15	0 2	17 5			n.a.
F 19	22 4	28 10	4 57	24 16	1 38	9 47	0 12	16 35	2 41	21 47	1 7	10 26	2 20	0 18	0 39	19 3	0 42	23 4	0 12	0 19	0 3	17 8			n.a.
S 20	21 54	28 45	5 2	24 3	1 41	9 18	0 7	16 45	2 41	21 49	1 7	10 27	2 20	0 19	0 39	19 2	0 42	23 4	0 12	0 24	0 4	17 10			n.a.
S 21	21 45	27 50	4 52	23 48	1 44	8 50	0 3	16 54	2 41	21 50	1 8	10 28	2 20	0 20	0 39	19 2	0 42	23 4	0 12	0 28	0 5	17 13			n.a.
M22	21 35	25 23	4 27	23 30	1 45	8 21	0s 2	17 4	2 41	21 52	1 8	10 29	2 21	0 20	0 39	19 1	0 42	23 4	0 12	0 33	0 7	17 16			n.a.
T 23	21 25	21 32	3 47	23 10	1 47	7 52	0 7	17 13	2 42	21 54	1 8	10 30	2 21	0 21	0 38	19 1	0 42	23 4	0 12	0 36	0 8	17 19			n.a.
W24	21 14	16 32	2 54	22 48	1 47	7 22	0 12	17 23	2 42	21 56	1 8	10 31	2 21	0 22	0 38	19 0	0 42	23 4	0 12	0 39	0 9	17 22			n.a.
T 25	21 3	10 39	1 50	22 24	1 47	6 53	0 17	17 32	2 42	21 57	1 8	10 32	2 21	0 23	0 38	19 0	0 42	23 4	0 12	0 41	0 11	17 25			n.a.
F 26	20 51	4 12	0 39	21 58	1 46	6 23	0 22	17 42	2 42	21 59	1 8	10 32	2 21	0 24	0 38	18 59	0 42	23 4	0 11	0 42	0 12	17 28			n.a.
S 27	20 40	2s31	0s35	21 30	1 45	5 54	0 27	17 52	2 42	22 1	1 8	10 33	2 22	0 25	0 38	18 58	0 42	23 4	0 11	0 42	0 13	17 31			n.a.
S 28	20 28	9 10	1 48	21 1	1 43	5 24	0 32	18 2	2 42	22 2	1 8	10 34	2 22	0 26	0 38	18 58	0 42	23 4	0 11	0 41	0 14	17 33			n.a.
M29	20 15	15 24	2 55	20 31	1 41	4 54	0 37	18 11	2 42	22 4	1 9	10 35	2 22	0 26	0 38	18 57	0 42	23 4	0 11	0 41	0 16	17 36			n.a.
T 30	20 2	20 52	3 51	19 59	1 38	4 25	0 43	18 21	2 42	22 6	1 9	10 35	2 22	0 27	0 38	18 57	0 42	23 4	0 11	0 42	0 17	17 39			n.a.
W31	19n49	25s 9	4s33	19n26	1n35	3n55	0s48	18s31	2s42	22s 7	1s 9	10n36	2s23	0s28	0n38	18n56	0n42	23s 4	0n11	0s43	0s18	17n42			n.a.

Julian Day Number = 1644901.5, Delta T = 03h34m18s
Ecliptic obliquity = 23°43'23, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'41, Lahiri = - 6°50'40 Julian Calendar 1 July 210 BCE == Greg. Calendar 27 June 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

AUGUST 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 21 6	3♌32'55	15♐44	11♌59	19♍26	13♏36	26°R54	3♉32	2♎40	8♌53	18°R53	28°R 8	29♓11	8♉54	n.a.	T 1
F 2	20 25 2	4°31'00	29°55	13°47	20°28	14° 8	26♑46	3°34	2°42	8°55	18♐52	28♓ 1	29° 8	9° 1	n.a.	F 2
S 3	20 28 59	5°29'06	13♑59	15°34	21°31	14°41	26°39	3°36	2°45	8°57	18°52	27°52	29° 5	9° 7	n.a.	S 3
S 4	20 32 55	6°27'14	27°51	17°19	22°33	15°14	26°31	3°38	2°47	8°59	18°51	27°44	29° 2	9°14	n.a.	S 4
M 5	20 36 52	7°25'24	11♒27	19° 4	23°34	15°47	26°23	3°40	2°49	9° 2	18°50	27°36	28°59	9°21	n.a.	M 5
T 6	20 40 48	8°23'36	24°43	20°47	24°36	16°20	26°16	3°42	2°52	9° 4	18°49	27°30	28°56	9°27	n.a.	T 6
W 7	20 44 45	9°21'50	7♓40	22°29	25°37	16°54	26° 8	3°43	2°55	9° 6	18°48	27°26	28°52	9°34	n.a.	W 7
T 8	20 48 42	10°20'05	20°17	24°10	26°38	17°28	26° 1	3°45	2°57	9° 8	18°47	27°24	28°49	9°41	n.a.	T 8
F 9	20 52 38	11°18'23	2♈36	25°49	27°38	18° 2	25°53	3°46	3° 0	9°11	18°47	27°D24	28°46	9°47	n.a.	F 9
S 10	20 56 35	12°16'43	14°42	27°28	28°39	18°36	25°46	3°47	3° 3	9°13	18°46	27°25	28°43	9°54	n.a.	S 10
S 11	21 0 31	13°15'05	26°38	29° 5	29°38	19°11	25°39	3°48	3° 5	9°15	18°45	27°27	28°40	10° 1	n.a.	S 11
M12	21 4 28	14°13'29	8♉29	0♍41	0♎38	19°46	25°32	3°50	3° 8	9°17	18°44	27°28	28°36	10° 7	n.a.	M12
T 13	21 8 24	15°11'56	20°19	2°16	1°37	20°21	25°25	3°51	3°11	9°20	18°44	27°R28	28°33	10°14	n.a.	T 13
W14	21 12 21	16°10'24	2♊16	3°50	2°36	20°57	25°18	3°51	3°14	9°22	18°43	27°26	28°30	10°21	n.a.	W14
T 15	21 16 17	17° 8'55	14°22	5°23	3°34	21°32	25°11	3°52	3°17	9°24	18°43	27°23	28°27	10°27	n.a.	T 15
F 16	21 20 14	18° 7'29	26°42	6°55	4°32	22° 8	25° 4	3°53	3°19	9°26	18°42	27°18	28°24	10°34	n.a.	F 16
S 17	21 24 10	19° 6'04	9♋19	8°26	5°30	22°44	24°58	3°53	3°22	9°28	18°41	27°12	28°21	10°41	n.a.	S 17
S 18	21 28 7	20° 4'42	22°15	9°55	6°27	23°21	24°51	3°54	3°25	9°31	18°41	27° 6	28°17	10°47	n.a.	S 18
M19	21 32 4	21° 3'22	5♌32	11°24	7°23	23°57	24°45	3°54	3°28	9°33	18°40	27° 0	28°14	10°54	n.a.	M19
T 20	21 36 0	22° 2'04	19° 6	12°51	8°20	24°34	24°39	3°54	3°31	9°35	18°40	26°55	28°11	11° 1	n.a.	T 20
W21	21 39 57	23° 0'48	2♍57	14°17	9°15	25°11	24°33	3°R54	3°34	9°37	18°39	26°51	28° 8	11° 7	n.a.	W21
T 22	21 43 53	23°59'34	17° 1	15°42	10°11	25°49	24°27	3°54	3°38	9°39	18°39	26°49	28° 5	11°14	n.a.	T 22
F 23	21 47 50	24°58'22	1♎13	17° 6	11° 5	26°26	24°21	3°54	3°41	9°42	18°39	26°D49	28° 2	11°21	n.a.	F 23
S 24	21 51 46	25°57'12	15°30	18°29	11°59	27° 4	24°15	3°54	3°44	9°44	18°38	26°50	27°58	11°28	n.a.	S 24
S 25	21 55 43	26°56'04	29°47	19°51	12°53	27°41	24°10	3°53	3°47	9°46	18°38	26°51	27°55	11°34	n.a.	S 25
M26	21 59 39	27°54'57	14♏ 3	21°11	13°46	28°20	24° 5	3°53	3°50	9°48	18°38	26°53	27°52	11°41	n.a.	M26
T 27	22 3 36	28°53'53	28°15	22°30	14°39	28°58	23°59	3°52	3°53	9°50	18°37	26°R53	27°49	11°48	n.a.	T 27
W28	22 7 33	29°52'50	12♐21	23°47	15°30	29°36	23°54	3°51	3°57	9°52	18°37	26°53	27°46	11°54	n.a.	W28
T 29	22 11 29	0♍51'49	26°18	25° 4	16°22	0♐15	23°50	3°51	4° 0	9°54	18°37	26°51	27°42	12° 1	n.a.	T 29
F 30	22 15 26	1°50'50	10♑ 7	26°18	17°12	0°54	23°45	3°50	4° 3	9°56	18°37	26°48	27°39	12° 8	n.a.	F 30
S 31	22 19 22	2♍49'53	23♑44	27♍31	18♎ 2	1♐32	23♑40	3♉49	4♎ 7	9♌59	18♐37	26♓44	27♓36	12♉14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19n35	27s54	4s59	18n52	1n31	3n25	0s54	18s41	2s42	22s 9	1s 9	10n36	2s23	0s29	0n38	18n56	0n42	23s 4	0n11	0s45	0s20	17n45			n.a.
F 2	19 22	28 49	5 6	18 16	1 27	2 55	0 59	18 51	2 42	22 11	1 9	10 37	2 23	0 30	0 38	18 55	0 42	23 4	0 11	0 48	0 21	17 48			n.a.
S 3	19 7	27 51	4 54	17 40	1 23	2 25	1 5	19 0	2 42	22 12	1 9	10 37	2 23	0 31	0 38	18 54	0 42	23 4	0 11	0 51	0 22	17 50			n.a.
S 4	18 53	25 10	4 25	17 4	1 18	1 55	1 11	19 10	2 42	22 14	1 9	10 38	2 23	0 32	0 38	18 54	0 42	23 4	0 11	0 55	0 23	17 53			n.a.
M 5	18 38	21 6	3 42	16 26	1 13	1 25	1 16	19 20	2 42	22 15	1 9	10 38	2 24	0 33	0 38	18 53	0 42	23 4	0 10	0 58	0 25	17 56			n.a.
T 6	18 23	16 3	2 47	15 48	1 7	0 55	1 22	19 30	2 42	22 17	1 9	10 39	2 24	0 34	0 38	18 53	0 42	23 4	0 10	1 0	0 26	17 59			n.a.
W 7	18 7	10 24	1 44	15 9	1 2	0 25	1 28	19 40	2 42	22 18	1 9	10 39	2 24	0 35	0 38	18 52	0 42	23 4	0 10	1 2	0 27	18 2			n.a.
T 8	17 52	4 29	0 38	14 30	0 56	0s 5	1 34	19 49	2 41	22 20	1 9	10 39	2 24	0 37	0 38	18 51	0 42	23 4	0 10	1 3	0 28	18 4			n.a.
F 9	17 35	1n29	0n28	13 50	0 50	0 35	1 40	19 59	2 41	22 21	1 9	10 39	2 25	0 38	0 38	18 51	0 42	23 4	0 10	1 3	0 30	18 7			n.a.
S 10	17 19	7 17	1 32	13 10	0 43	1 4	1 46	20 8	2 41	22 23	1 10	10 40	2 25	0 39	0 38	18 50	0 42	23 5	0 10	1 2	0 31	18 10			n.a.
S 11	17 2	12 44	2 32	12 30	0 37	1 34	1 52	20 18	2 41	22 24	1 10	10 40	2 25	0 40	0 38	18 50	0 42	23 5	0 10	1 2	0 32	18 13			n.a.
M12	16 45	17 43	3 24	11 49	0 30	2 4	1 59	20 28	2 41	22 26	1 10	10 40	2 25	0 41	0 38	18 49	0 42	23 5	0 10	1 1	0 34	18 16			n.a.
T 13	16 28	22 1	4 8	11 9	0 23	2 33	2 5	20 37	2 40	22 27	1 10	10 40	2 25	0 42	0 38	18 49	0 42	23 5	0 10	1 1	0 35	18 18			n.a.
W14	16 11	25 27	4 41	10 28	0 16	3 3	2 11	20 46	2 40	22 28	1 10	10 40	2 26	0 43	0 38	18 48	0 42	23 5	0 10	1 2	0 36	18 21			n.a.
T 15	15 53	27 48	5 2	9 47	0 8	3 32	2 17	20 56	2 40	22 30	1 10	10 40	2 26	0 44	0 38	18 47	0 42	23 5	0 9	1 3	0 37	18 24			n.a.
F 16	15 35	28 51	5 10	9 5	0 1	4 1	2 24	21 5	2 39	22 31	1 10	10 40	2 26	0 46	0 38	18 47	0 42	23 5	0 9	1 5	0 39	18 27			n.a.
S 17	15 16	28 26	5 3	8 24	0s 7	4 30	2 30	21 14	2 39	22 32	1 10	10 40	2 26	0 47	0 38	18 46	0 42	23 5	0 9	1 7	0 40	18 30			n.a.
S 18	14 58	26 29	4 41	7 43	0 14	4 59	2 37	21 23	2 39	22 33	1 10	10 40	2 27	0 48	0 38	18 46	0 42	23 5	0 9	1 10	0 41	18 32			n.a.
M19	14 39	23 2	4 3	7 2	0 22	5 27	2 43	21 32	2 38	22 34	1 10	10 40	2 27	0 49	0 38	18 45	0 42	23 5	0 9	1 12	0 43	18 35			n.a.
T 20	14 20	18 17	3 11	6 22	0 30	5 56	2 50	21 41	2 38	22 35	1 10	10 40	2 27	0 51	0 38	18 44	0 42	23 5	0 9	1 15	0 44	18 38			n.a.
W21	14 0	12 30	2 7	5 41	0 37	6 24	2 56	21 50	2 38	22 37	1 10	10 40	2 27	0 52	0 38	18 44	0 42	23 5	0 9	1 16	0 45	18 41			n.a.
T 22	13 41	6 0	0 53	5 0	0 45	6 52	3 3	21 59	2 37	22 38	1 10	10 39	2 28	0 53	0 38	18 43	0 42	23 5	0 9	1 17	0 46	18 43			n.a.
F 23	13 21	0s51	0s24	4 20	0 53	7 20	3 9	22 8	2 37	22 39	1 10	10 39	2 28	0 54	0 38	18 43	0 42	23 5	0 9	1 17	0 48	18 46			n.a.
S 24	13 1	7 43	1 40	3 40	1 1	7 48	3 16	22 16	2 36	22 40	1 10	10 39	2 28	0 56	0 37	18 42	0 42	23 5	0 9	1 17	0 49	18 49			n.a.
S 25	12 41	14 11	2 51	3 1	1 9	8 15	3 22	22 25	2 36	22 41	1 10	10 38	2 28	0 57	0 37	18 42	0 42	23 5	0 8	1 16	0 50	18 52			n.a.
M26	12 20	19 54	3 50	2 22	1 17	8 42	3 29	22 33	2 36	22 42	1 10	10 38	2 28	0 58	0 37	18 41	0 42	23 5	0 8	1 15	0 51	18 54			n.a.
T 27	12 0	24 29	4 36	1 43	1 25	9 9	3 36	22 41	2 35	22 42	1 10	10 38	2 29	1 0	0 37	18 40	0 42	23 5	0 8	1 15	0 53	18 57			n.a.
W28	11 39	27 33	5 4	1 5	1 32	9 35	3 42	22 49	2 35	22 43	1 10	10 37	2 29	1 1	0 37	18 40	0 42	23 6	0 8	1 15	0 54	19 0			n.a.
T 29	11 18	28 54	5 14	0 27	1 40	10 1	3 49	22 57	2 34	22 44	1 10	10 37	2 29	1 2	0 37	18 39	0 42	23 6	0 8	1 16	0 55	19 2			n.a.
F 30	10 57	28 24	5 5	0s10	1 48	10 27	3 56	23 5	2 34	22 45	1 9	10 36	2 29	1 4	0 37	18 39	0 42	23 6	0 8	1 17	0 57	19 5			n.a.
S 31	10n35	26s12	4s40	0s46	1s55	10s53	4s 2	23s13	2s33	22s46	1s 9	10n36	2s29	1s 5	0n37	18n38	0n42	23s 6	0n 8	1s19	0s58	19n 8			n.a.

Julian Day Number = 1644932.5, Delta T = 03h34m17s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'37, Lahiri = - 6°50'36 Julian Calendar 1 Aug. 210 BCE == Greg. Calendar 28 July 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

SEPTEMBER 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 23 19	3♍48'58	7♒ 9	28♍43	18♎51	2♐12	23°R36	3°R48	4♎10	10♌ 1	18°R36	26°R41	27♓33	12♉21	n.a.	S 1
M 2	22 27 15	4°48'05	20°19	29°52	19°39	2°51	23♑32	3♉46	4°13	10° 3	18♐36	26♓38	27°30	12°28	n.a.	M 2
T 3	22 31 12	5°47'13	3♓16	1♎ 0	20°27	3°30	23°28	3°45	4°17	10° 5	18°36	26°35	27°27	12°34	n.a.	T 3
W 4	22 35 8	6°46'24	15°57	2° 5	21°13	4°10	23°24	3°43	4°20	10° 7	18°36	26°34	27°23	12°41	n.a.	W 4
T 5	22 39 5	7°45'37	28°23	3° 9	21°59	4°49	23°20	3°42	4°24	10° 9	18°D36	26°D34	27°20	12°48	n.a.	T 5
F 6	22 43 2	8°44'53	10♈36	4°10	22°44	5°29	23°17	3°40	4°27	10°11	18°36	26°34	27°17	12°54	n.a.	F 6
S 7	22 46 58	9°44'10	22°39	5° 8	23°28	6° 9	23°14	3°38	4°31	10°13	18°36	26°35	27°14	13° 1	n.a.	S 7
S 8	22 50 55	10°43'30	4♉33	6° 3	24°11	6°49	23°11	3°36	4°34	10°15	18°36	26°37	27°11	13° 8	n.a.	S 8
M 9	22 54 51	11°42'52	16°24	6°56	24°53	7°30	23° 8	3°34	4°38	10°17	18°36	26°38	27° 8	13°14	n.a.	M 9
T 10	22 58 48	12°42'17	28°15	7°45	25°34	8°10	23° 5	3°32	4°41	10°19	18°37	26°39	27° 4	13°21	n.a.	T 10
W11	23 2 44	13°41'44	10♊10	8°30	26°14	8°51	23° 3	3°30	4°45	10°21	18°37	26°R40	27° 1	13°28	n.a.	W11
T 12	23 6 41	14°41'14	22°15	9°12	26°53	9°31	23° 0	3°28	4°48	10°23	18°37	26°40	26°58	13°35	n.a.	T 12
F 13	23 10 37	15°40'46	4♋34	9°48	27°30	10°12	22°58	3°25	4°52	10°25	18°37	26°39	26°55	13°41	n.a.	F 13
S 14	23 14 34	16°40'20	17°11	10°20	28° 7	10°53	22°56	3°23	4°56	10°26	18°37	26°38	26°52	13°48	n.a.	S 14
S 15	23 18 30	17°39'57	0♌10	10°47	28°42	11°34	22°55	3°20	4°59	10°28	18°38	26°37	26°48	13°55	n.a.	S 15
M16	23 22 27	18°39'36	13°32	11° 8	29°16	12°15	22°53	3°18	5° 3	10°30	18°38	26°36	26°45	14° 1	n.a.	M16
T 17	23 26 24	19°39'17	27°18	11°22	29°48	12°56	22°52	3°15	5° 7	10°32	18°38	26°35	26°42	14° 8	n.a.	T 17
W18	23 30 20	20°39'01	11♍26	11°30	0♏19	13°38	22°51	3°12	5°10	10°34	18°39	26°34	26°39	14°15	n.a.	W18
T 19	23 34 17	21°38'46	25°52	11°R30	0°49	14°19	22°50	3° 9	5°14	10°36	18°39	26°D34	26°36	14°21	n.a.	T 19
F 20	23 38 13	22°38'34	10♎31	11°23	1°17	15° 1	22°49	3° 6	5°18	10°37	18°40	26°34	26°33	14°28	n.a.	F 20
S 21	23 42 10	23°38'23	25°16	11° 6	1°43	15°43	22°49	3° 3	5°21	10°39	18°40	26°34	26°29	14°35	n.a.	S 21
S 22	23 46 6	24°38'15	9♏59	10°42	2° 8	16°24	22°48	2°59	5°25	10°41	18°41	26°35	26°26	14°41	n.a.	S 22
M23	23 50 3	25°38'08	24°36	10° 8	2°31	17° 6	22°D48	2°56	5°29	10°43	18°41	26°35	26°23	14°48	n.a.	M23
T 24	23 53 59	26°38'04	9♐ 0	9°25	2°52	17°48	22°48	2°53	5°33	10°44	18°42	26°R35	26°20	14°55	n.a.	T 24
W25	23 57 56	27°38'01	23° 9	8°34	3°12	18°31	22°49	2°49	5°36	10°46	18°42	26°D35	26°17	15° 1	n.a.	W25
T 26	0 1 53	28°38'00	7♑ 1	7°35	3°29	19°13	22°49	2°46	5°40	10°48	18°43	26°35	26°14	15° 8	n.a.	T 26
F 27	0 5 49	29°38'00	20°35	6°29	3°44	19°55	22°50	2°42	5°44	10°49	18°43	26°35	26°10	15°15	n.a.	F 27
S 28	0 9 46	0♎38'02	3♒53	5°17	3°58	20°38	22°51	2°38	5°48	10°51	18°44	26°35	26° 7	15°22	n.a.	S 28
S 29	0 13 42	1°38'06	16°55	4° 1	4° 9	21°20	22°52	2°34	5°51	10°52	18°45	26°36	26° 4	15°28	n.a.	S 29
M30	0 17 39	2♎38'11	29♒42	2♎44	4♏18	22♐ 3	22♑53	2♉30	5♎55	10♌54	18♐46	26♓36	26♓ 1	15♉35	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n14	22s33	3s59	1s21	2s 3	11s18	4s 9	23s20	2s33	22s46	1s 9	10n35	2s30	1s 6	0n37	18n38	0n42	23s 6	0n 8	1s20	0s59	19n10		n.a.
M 2	9 52	17 50	3 6	1 56	2 10	11 42	4 15	23 28	2 32	22 47	1 9	10 35	2 30	1 8	0 37	18 37	0 42	23 6	0 8	1 21	1 0	19 13		n.a.
T 3	9 30	12 22	2 5	2 30	2 17	12 7	4 22	23 35	2 32	22 48	1 9	10 34	2 30	1 9	0 37	18 37	0 43	23 6	0 8	1 22	1 2	19 16		n.a.
W 4	9 8	6 30	0 58	3 3	2 24	12 31	4 29	23 42	2 31	22 48	1 9	10 33	2 30	1 11	0 37	18 36	0 43	23 6	0 8	1 23	1 3	19 19		n.a.
T 5	8 46	0 30	0n10	3 34	2 31	12 54	4 35	23 49	2 30	22 49	1 9	10 32	2 30	1 12	0 37	18 36	0 43	23 6	0 7	1 23	1 4	19 21		n.a.
F 6	8 23	5n25	1 17	4 5	2 38	13 17	4 41	23 56	2 30	22 49	1 9	10 32	2 31	1 13	0 37	18 35	0 43	23 6	0 7	1 23	1 6	19 24		n.a.
S 7	8 1	11 4	2 19	4 34	2 44	13 40	4 48	24 2	2 29	22 50	1 9	10 31	2 31	1 15	0 37	18 34	0 43	23 6	0 7	1 22	1 7	19 27		n.a.
S 8	7 38	16 15	3 15	5 2	2 50	14 2	4 54	24 9	2 29	22 50	1 9	10 30	2 31	1 16	0 37	18 34	0 43	23 7	0 7	1 22	1 8	19 29		n.a.
M 9	7 15	20 48	4 2	5 28	2 56	14 24	5 1	24 15	2 28	22 51	1 9	10 29	2 31	1 18	0 37	18 33	0 43	23 7	0 7	1 21	1 9	19 32		n.a.
T 10	6 52	24 32	4 39	5 52	3 1	14 45	5 7	24 21	2 27	22 51	1 9	10 28	2 31	1 19	0 37	18 33	0 43	23 7	0 7	1 21	1 11	19 35		n.a.
W11	6 29	27 15	5 4	6 15	3 5	15 5	5 13	24 27	2 27	22 51	1 9	10 27	2 32	1 20	0 37	18 32	0 43	23 7	0 7	1 21	1 12	19 37		n.a.
T 12	6 6	28 45	5 16	6 35	3 10	15 25	5 19	24 33	2 26	22 52	1 9	10 26	2 32	1 22	0 37	18 32	0 43	23 7	0 7	1 21	1 13	19 40		n.a.
F 13	5 43	28 52	5 14	6 53	3 13	15 45	5 25	24 38	2 25	22 52	1 9	10 25	2 32	1 23	0 37	18 31	0 43	23 7	0 7	1 21	1 14	19 42		n.a.
S 14	5 19	27 30	4 57	7 8	3 16	16 4	5 31	24 44	2 25	22 52	1 8	10 24	2 32	1 25	0 37	18 31	0 43	23 7	0 7	1 21	1 16	19 45		n.a.
S 15	4 56	24 39	4 24	7 21	3 18	16 22	5 36	24 49	2 24	22 52	1 8	10 23	2 32	1 26	0 37	18 30	0 43	23 7	0 6	1 22	1 17	19 48		n.a.
M16	4 32	20 25	3 37	7 30	3 20	16 39	5 42	24 54	2 23	22 53	1 8	10 22	2 33	1 28	0 37	18 30	0 43	23 8	0 6	1 22	1 18	19 50		n.a.
T 17	4 9	14 59	2 35	7 37	3 20	16 56	5 48	24 59	2 23	22 53	1 8	10 21	2 33	1 29	0 37	18 29	0 43	23 8	0 6	1 23	1 20	19 53		n.a.
W18	3 45	8 38	1 23	7 39	3 19	17 12	5 53	25 3	2 22	22 53	1 8	10 20	2 33	1 31	0 37	18 29	0 43	23 8	0 6	1 23	1 21	19 56		n.a.
T 19	3 21	1 43	0 4	7 37	3 17	17 28	5 58	25 8	2 21	22 53	1 8	10 19	2 33	1 32	0 37	18 29	0 43	23 8	0 6	1 23	1 22	19 58		n.a.
F 20	2 57	5s23	1s17	7 31	3 14	17 43	6 3	25 12	2 21	22 53	1 8	10 18	2 33	1 34	0 37	18 28	0 43	23 8	0 6	1 23	1 23	20 1		n.a.
S 21	2 33	12 15	2 33	7 20	3 9	17 57	6 8	25 16	2 20	22 53	1 8	10 16	2 33	1 35	0 37	18 28	0 43	23 8	0 6	1 23	1 25	20 3		n.a.
S 22	2 9	18 26	3 38	7 5	3 3	18 10	6 12	25 19	2 19	22 53	1 8	10 15	2 33	1 37	0 37	18 27	0 43	23 8	0 6	1 23	1 26	20 6		n.a.
M23	1 45	23 29	4 29	6 44	2 55	18 22	6 17	25 23	2 18	22 53	1 8	10 14	2 34	1 38	0 37	18 27	0 43	23 8	0 6	1 23	1 27	20 9		n.a.
T 24	1 21	27 2	5 3	6 18	2 45	18 33	6 21	25 26	2 18	22 53	1 7	10 13	2 34	1 40	0 37	18 26	0 43	23 9	0 6	1 23	1 29	20 11		n.a.
W25	0 57	28 49	5 17	5 46	2 33	18 44	6 25	25 29	2 17	22 52	1 7	10 11	2 34	1 41	0 37	18 26	0 43	23 9	0 5	1 23	1 30	20 14		n.a.
T 26	0 33	28 44	5 12	5 10	2 19	18 53	6 28	25 32	2 16	22 52	1 7	10 10	2 34	1 43	0 37	18 25	0 43	23 9	0 5	1 23	1 31	20 16		n.a.
F 27	0 9	26 54	4 50	4 29	2 3	19 2	6 32	25 35	2 15	22 52	1 7	10 9	2 34	1 44	0 37	18 25	0 43	23 9	0 5	1 22	1 32	20 19		n.a.
S 28	0s15	23 36	4 13	3 45	1 46	19 9	6 35	25 37	2 14	22 52	1 7	10 7	2 34	1 46	0 37	18 25	0 43	23 9	0 5	1 22	1 34	20 22		n.a.
S 29	0 39	19 10	3 23	2 57	1 28	19 16	6 37	25 39	2 14	22 51	1 7	10 6	2 34	1 47	0 37	18 24	0 43	23 9	0 5	1 22	1 35	20 24		n.a.
M30	1s 4	13s57	2s24	2s 8	1s 8	19s21	6s40	25s41	2s13	22s51	1s 7	10n 4	2s34	1s49	0n37	18n24	0n43	23s10	0n 5	1s22	1s36	20n27		n.a.

Julian Day Number = 1644963.5, Delta T = 03h34m16s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'32, Lahiri = - 6°50'32 Julian Calendar 1 Sept. 210 BCE == Greg. Calendar 28 Aug. 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

OCTOBER 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 21 35	3♎38'19	12♓17	1°R27	4♏25	22♐45	22♑55	2°R27	5♎59	10♌55	18♐46	26♓37	25♓58	15♉42	n.a.	T 1
W 2	0 25 32	4°38'28	24°40	0♎14	4°30	23°28	22°56	2♉22	6° 3	10°57	18°47	26°R37	25°54	15°48	n.a.	W 2
T 3	0 29 28	5°38'38	6♈53	29♍ 6	4°R32	24°11	22°58	2°18	6° 6	10°58	18°48	26°37	25°51	15°55	n.a.	T 3
F 4	0 33 25	6°38'51	18°58	28° 5	4°32	24°54	23° 1	2°14	6°10	11° 0	18°49	26°36	25°48	16° 2	n.a.	F 4
S 5	0 37 21	7°39'06	0♉55	27°14	4°29	25°37	23° 3	2°10	6°14	11° 1	18°50	26°35	25°45	16° 8	n.a.	S 5
S 6	0 41 18	8°39'23	12°48	26°33	4°24	26°20	23° 5	2° 6	6°18	11° 3	18°51	26°33	25°42	16°15	n.a.	S 6
M 7	0 45 15	9°39'42	24°38	26° 3	4°17	27° 3	23° 8	2° 1	6°21	11° 4	18°52	26°31	25°39	16°22	n.a.	M 7
T 8	0 49 11	10°40'03	6♊28	25°45	4° 7	27°46	23°11	1°57	6°25	11° 5	18°52	26°29	25°35	16°28	n.a.	T 8
W 9	0 53 8	11°40'25	18°23	25°D39	3°55	28°29	23°14	1°52	6°29	11° 7	18°53	26°27	25°32	16°35	n.a.	W 9
T 10	0 57 4	12°40'50	0♋26	25°44	3°40	29°12	23°17	1°48	6°33	11° 8	18°54	26°26	25°29	16°42	n.a.	T 10
F 11	1 1 1	13°41'17	12°41	25°59	3°23	29°56	23°21	1°43	6°37	11° 9	18°56	26°D26	25°26	16°49	n.a.	F 11
S 12	1 4 57	14°41'46	25°13	26°25	3° 4	0♑39	23°25	1°39	6°40	11°10	18°57	26°26	25°23	16°55	n.a.	S 12
S 13	1 8 54	15°42'17	8♌ 6	27° 0	2°42	1°22	23°28	1°34	6°44	11°12	18°58	26°27	25°19	17° 2	n.a.	S 13
M14	1 12 50	16°42'50	21°23	27°42	2°18	2° 6	23°32	1°29	6°48	11°13	18°59	26°29	25°16	17° 9	n.a.	M14
T 15	1 16 47	17°43'25	5♍ 8	28°33	1°53	2°50	23°37	1°25	6°51	11°14	19° 0	26°30	25°13	17°15	n.a.	T 15
W16	1 20 44	18°44'01	19°19	29°29	1°25	3°33	23°41	1°20	6°55	11°15	19° 1	26°R31	25°10	17°22	n.a.	W16
T 17	1 24 40	19°44'40	3♎55	0♎31	0°56	4°17	23°46	1°15	6°59	11°16	19° 2	26°31	25° 7	17°29	n.a.	T 17
F 18	1 28 37	20°45'20	18°51	1°38	0°25	5° 1	23°51	1°10	7° 3	11°17	19° 4	26°30	25° 4	17°35	n.a.	F 18
S 19	1 32 33	21°46'01	3♏57	2°50	29♎52	5°44	23°56	1° 6	7° 6	11°18	19° 5	26°27	25° 0	17°42	n.a.	S 19
S 20	1 36 30	22°46'44	19° 6	4° 5	29°19	6°28	24° 1	1° 1	7°10	11°19	19° 6	26°24	24°57	17°49	n.a.	S 20
M21	1 40 26	23°47'29	4♐ 7	5°23	28°44	7°12	24° 6	0°56	7°14	11°20	19° 7	26°20	24°54	17°55	n.a.	M21
T 22	1 44 23	24°48'15	18°52	6°43	28° 8	7°56	24°12	0°51	7°17	11°21	19° 9	26°16	24°51	18° 2	n.a.	T 22
W23	1 48 19	25°49'02	3♑15	8° 6	27°32	8°40	24°17	0°46	7°21	11°22	19°10	26°13	24°48	18° 9	n.a.	W23
T 24	1 52 16	26°49'50	17°13	9°31	26°56	9°24	24°23	0°41	7°25	11°23	19°11	26°11	24°45	18°16	n.a.	T 24
F 25	1 56 13	27°50'39	0♒46	10°57	26°20	10° 8	24°29	0°36	7°28	11°23	19°13	26°D11	24°41	18°22	n.a.	F 25
S 26	2 0 9	28°51'30	13°56	12°25	25°44	10°52	24°35	0°31	7°32	11°24	19°14	26°12	24°38	18°29	n.a.	S 26
S 27	2 4 6	29°52'21	26°45	13°54	25° 8	11°36	24°42	0°26	7°35	11°25	19°16	26°13	24°35	18°36	n.a.	S 27
M28	2 8 2	0♏53'13	9♓17	15°23	24°33	12°20	24°48	0°21	7°39	11°26	19°17	26°15	24°32	18°42	n.a.	M28
T 29	2 11 59	1°54'06	21°36	16°53	23°59	13° 4	24°55	0°16	7°42	11°26	19°19	26°R16	24°29	18°49	n.a.	T 29
W30	2 15 55	2°55'01	3♈44	18°24	23°26	13°48	25° 2	0°11	7°46	11°27	19°20	26°16	24°25	18°56	n.a.	W30
T 31	2 19 52	3♏55'56	15♈45	19♎56	22♎54	14♑33	25♑ 9	0♉ 6	7♎49	11♌28	19♐22	26♓14	24♓22	19♉ 2	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	1s28	8s14	1s19	1s18	0s47	19s25	6s41	25s43	2s12	22s51	1s 7	10n 3	2s35	1s50	0n37	18n23	0n43	23s10	0n 5	1s22	1s37	20n29			n.a.
W 2	1 52	2 18	0 11	0 30	0 27	19 28	6 43	25 45	2 11	22 50	1 7	10 1	2 35	1 52	0 37	18 23	0 43	23 10	0 5	1 22	1 39	20 32			n.a.
T 3	2 16	3n38	0n57	0n16	0 6	19 30	6 44	25 46	2 10	22 50	1 6	10 0	2 35	1 53	0 37	18 23	0 43	23 10	0 5	1 22	1 40	20 34			n.a.
F 4	2 40	9 22	2 1	0 59	0n14	19 30	6 44	25 47	2 9	22 49	1 6	9 58	2 35	1 55	0 37	18 22	0 43	23 10	0 5	1 22	1 41	20 37			n.a.
S 5	3 4	14 43	2 59	1 37	0 33	19 29	6 44	25 47	2 9	22 49	1 6	9 57	2 35	1 56	0 37	18 22	0 43	23 10	0 4	1 22	1 43	20 39			n.a.
S 6	3 28	19 29	3 49	2 9	0 50	19 27	6 44	25 48	2 8	22 48	1 6	9 55	2 35	1 58	0 37	18 22	0 43	23 11	0 4	1 23	1 44	20 42			n.a.
M 7	3 52	23 29	4 28	2 36	1 6	19 23	6 43	25 48	2 7	22 48	1 6	9 54	2 35	1 59	0 37	18 21	0 43	23 11	0 4	1 24	1 45	20 44			n.a.
T 8	4 16	26 31	4 57	2 57	1 21	19 18	6 41	25 48	2 6	22 47	1 6	9 52	2 35	2 1	0 37	18 21	0 43	23 11	0 4	1 25	1 46	20 47			n.a.
W 9	4 40	28 24	5 13	3 11	1 34	19 12	6 38	25 48	2 5	22 47	1 6	9 50	2 35	2 2	0 37	18 21	0 43	23 11	0 4	1 25	1 48	20 49			n.a.
T 10	5 4	28 58	5 15	3 19	1 44	19 4	6 35	25 47	2 4	22 46	1 6	9 49	2 35	2 4	0 37	18 20	0 44	23 11	0 4	1 26	1 49	20 52			n.a.
F 11	5 28	28 8	5 3	3 21	1 54	18 54	6 32	25 47	2 3	22 45	1 5	9 47	2 35	2 5	0 37	18 20	0 44	23 11	0 4	1 26	1 50	20 54			n.a.
S 12	5 51	25 53	4 37	3 17	2 1	18 43	6 27	25 46	2 2	22 44	1 5	9 46	2 35	2 7	0 37	18 20	0 44	23 12	0 4	1 26	1 51	20 57			n.a.
S 13	6 15	22 15	3 56	3 9	2 7	18 31	6 22	25 45	2 2	22 44	1 5	9 44	2 35	2 8	0 37	18 19	0 44	23 12	0 4	1 26	1 53	20 59			n.a.
M14	6 39	17 24	3 2	2 56	2 11	18 17	6 16	25 43	2 1	22 43	1 5	9 42	2 35	2 10	0 37	18 19	0 44	23 12	0 4	1 25	1 54	21 2			n.a.
T 15	7 2	11 31	1 55	2 38	2 15	18 2	6 10	25 41	2 0	22 42	1 5	9 41	2 35	2 11	0 37	18 19	0 44	23 12	0 4	1 24	1 55	21 4			n.a.
W16	7 25	4 53	0 40	2 17	2 17	17 45	6 2	25 39	1 59	22 41	1 5	9 39	2 35	2 13	0 37	18 18	0 44	23 12	0 3	1 24	1 57	21 7			n.a.
T 17	7 49	2s12	0s41	1 53	2 17	17 27	5 54	25 37	1 58	22 40	1 5	9 37	2 35	2 14	0 37	18 18	0 44	23 13	0 3	1 24	1 58	21 9			n.a.
F 18	8 12	9 18	2 0	1 26	2 17	17 7	5 45	25 35	1 57	22 39	1 5	9 36	2 35	2 16	0 37	18 18	0 44	23 13	0 3	1 25	1 59	21 12			n.a.
S 19	8 35	15 59	3 11	0 56	2 16	16 46	5 35	25 32	1 56	22 38	1 5	9 34	2 35	2 17	0 37	18 18	0 44	23 13	0 3	1 26	2 0	21 14			n.a.
S 20	8 58	21 42	4 10	0 25	2 14	16 25	5 25	25 29	1 55	22 37	1 4	9 32	2 35	2 19	0 37	18 17	0 44	23 13	0 3	1 27	2 2	21 17			n.a.
M21	9 20	25 58	4 50	0s 9	2 12	16 2	5 14	25 26	1 54	22 36	1 4	9 30	2 35	2 20	0 37	18 17	0 44	23 13	0 3	1 29	2 3	21 19			n.a.
T 22	9 43	28 24	5 11	0 44	2 8	15 38	5 2	25 22	1 53	22 35	1 4	9 29	2 35	2 22	0 37	18 17	0 44	23 14	0 3	1 30	2 4	21 22			n.a.
W23	10 5	28 52	5 11	1 21	2 5	15 13	4 50	25 18	1 52	22 34	1 4	9 27	2 35	2 23	0 37	18 17	0 44	23 14	0 3	1 31	2 5	21 24			n.a.
T 24	10 28	27 26	4 52	1 58	2 0	14 48	4 37	25 14	1 51	22 33	1 4	9 25	2 35	2 25	0 37	18 17	0 44	23 14	0 3	1 32	2 7	21 26			n.a.
F 25	10 50	24 25	4 18	2 37	1 56	14 21	4 23	25 10	1 50	22 31	1 4	9 24	2 35	2 26	0 37	18 16	0 44	23 14	0 3	1 32	2 8	21 29			n.a.
S 26	11 12	20 12	3 31	3 16	1 51	13 55	4 9	25 5	1 49	22 30	1 4	9 22	2 35	2 27	0 37	18 16	0 44	23 14	0 3	1 32	2 9	21 31			n.a.
S 27	11 34	15 9	2 34	3 56	1 45	13 28	3 55	25 1	1 49	22 29	1 4	9 20	2 35	2 29	0 37	18 16	0 44	23 15	0 2	1 31	2 11	21 34			n.a.
M28	11 55	9 35	1 31	4 36	1 40	13 1	3 40	24 56	1 48	22 28	1 3	9 19	2 35	2 30	0 37	18 16	0 44	23 15	0 2	1 30	2 12	21 36			n.a.
T 29	12 17	3 46	0 25	5 16	1 34	12 35	3 25	24 50	1 47	22 26	1 3	9 17	2 35	2 32	0 37	18 16	0 44	23 15	0 2	1 30	2 13	21 38			n.a.
W30	12 38	2n 7	0n41	5 57	1 28	12 8	3 10	24 45	1 46	22 25	1 3	9 15	2 35	2 33	0 37	18 15	0 44	23 15	0 2	1 30	2 14	21 41			n.a.
T 31	12s59	7n52	1n44	6s38	1n22	11s42	2s54	24s39	1s45	22s24	1s 3	9n13	2s35	2s35	0n37	18n15	0n44	23s15	0n 2	1s31	2s16	21n43			n.a.

Julian Day Number = 1644993.5, Delta T = 03h34m15s
Ecliptic obliquity = 23°43'24, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'28, Lahiri = - 6°50'28 Julian Calendar 1 Oct. 210 BCE == Greg. Calendar 27 Sept. 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

NOVEMBER 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 23 48	4♏56'52	27♈41	21♎28	22°R24	15♑17	25♑16	0°R 1	7♎53	11♌28	19♐23	26°R10	24♓19	19♉ 9	n.a.	F 1
S 2	2 27 45	5°57'50	9♉34	23° 0	21♎56	16° 1	25°23	29♈56	7°56	11°29	19°25	26♓ 4	24°16	19°16	n.a.	S 2
S 3	2 31 42	6°58'49	21°25	24°32	21°30	16°45	25°31	29°51	8° 0	11°29	19°26	25°57	24°13	19°23	n.a.	S 3
M 4	2 35 38	7°59'49	3♊16	26° 5	21° 6	17°30	25°39	29°47	8° 3	11°30	19°28	25°48	24°10	19°29	n.a.	M 4
T 5	2 39 35	9° 0'50	15° 9	27°37	20°44	18°14	25°46	29°42	8° 7	11°30	19°29	25°40	24° 6	19°36	n.a.	T 5
W 6	2 43 31	10° 1'52	27° 6	29°10	20°24	18°58	25°54	29°37	8°10	11°31	19°31	25°32	24° 3	19°43	n.a.	W 6
T 7	2 47 28	11° 2'56	9♋10	0♏43	20° 6	19°43	26° 2	29°32	8°13	11°31	19°33	25°25	24° 0	19°49	n.a.	T 7
F 8	2 51 24	12° 4'00	21°24	2°17	19°51	20°27	26°11	29°27	8°17	11°31	19°34	25°21	23°57	19°56	n.a.	F 8
S 9	2 55 21	13° 5'06	3♌52	3°50	19°39	21°11	26°19	29°22	8°20	11°32	19°36	25°18	23°54	20° 3	n.a.	S 9
S 10	2 59 18	14° 6'13	16°38	5°23	19°29	21°56	26°28	29°18	8°23	11°32	19°38	25°D18	23°51	20° 9	n.a.	S 10
M11	3 3 14	15° 7'21	29°46	6°57	19°22	22°40	26°36	29°13	8°26	11°32	19°40	25°19	23°47	20°16	n.a.	M11
T 12	3 7 11	16° 8'30	13♍19	8°30	19°17	23°24	26°45	29° 8	8°30	11°33	19°41	25°20	23°44	20°23	n.a.	T 12
W13	3 11 7	17° 9'40	27°21	10° 4	19°D14	24° 9	26°54	29° 4	8°33	11°33	19°43	25°R20	23°41	20°30	n.a.	W13
T 14	3 15 4	18°10'50	11♎50	11°37	19°14	24°53	27° 3	28°59	8°36	11°33	19°45	25°19	23°38	20°36	n.a.	T 14
F 15	3 19 0	19°12'02	26°44	13°11	19°17	25°38	27°12	28°55	8°39	11°33	19°47	25°16	23°35	20°43	n.a.	F 15
S 16	3 22 57	20°13'15	11♏55	14°45	19°21	26°22	27°22	28°50	8°42	11°33	19°48	25°10	23°31	20°50	n.a.	S 16
S 17	3 26 53	21°14'28	27°16	16°19	19°29	27° 7	27°31	28°46	8°45	11°33	19°50	25° 1	23°28	20°56	n.a.	S 17
M18	3 30 50	22°15'42	12♐33	17°53	19°38	27°51	27°41	28°41	8°48	11°R33	19°52	24°52	23°25	21° 3	n.a.	M18
T 19	3 34 47	23°16'56	27°35	19°27	19°50	28°36	27°51	28°37	8°51	11°33	19°54	24°43	23°22	21°10	n.a.	T 19
W20	3 38 43	24°18'11	12♑15	21° 1	20° 4	29°20	28° 1	28°33	8°54	11°33	19°56	24°35	23°19	21°16	n.a.	W20
T 21	3 42 40	25°19'26	26°27	22°36	20°20	0♒ 5	28°11	28°29	8°57	11°33	19°58	24°29	23°16	21°23	n.a.	T 21
F 22	3 46 36	26°20'41	10♒ 8	24°11	20°38	0°49	28°21	28°25	9° 0	11°33	20° 0	24°26	23°12	21°30	n.a.	F 22
S 23	3 50 33	27°21'55	23°21	25°45	20°58	1°33	28°31	28°21	9° 3	11°33	20° 1	24°D24	23° 9	21°37	n.a.	S 23
S 24	3 54 29	28°23'10	6♓ 9	27°20	21°19	2°18	28°41	28°17	9° 5	11°32	20° 3	24°24	23° 6	21°43	n.a.	S 24
M25	3 58 26	29°24'25	18°36	28°56	21°43	3° 2	28°52	28°13	9° 8	11°32	20° 5	24°R25	23° 3	21°50	n.a.	M25
T 26	4 2 22	0♐25'40	0♈48	0♐31	22° 9	3°47	29° 2	28° 9	9°11	11°32	20° 7	24°25	23° 0	21°57	n.a.	T 26
W27	4 6 19	1°26'54	12°48	2° 7	22°36	4°31	29°13	28° 5	9°14	11°32	20° 9	24°23	22°57	22° 3	n.a.	W27
T 28	4 10 16	2°28'09	24°42	3°43	23° 5	5°16	29°24	28° 2	9°16	11°31	20°11	24°19	22°53	22°10	n.a.	T 28
F 29	4 14 12	3°29'24	6♉32	5°19	23°36	6° 0	29°35	27°58	9°19	11°31	20°13	24°12	22°50	22°17	n.a.	F 29
S 30	4 18 9	4♐30'38	18♉22	6♐56	24♎ 8	6♒45	29♑46	27♈55	9♎21	11♌30	20♐15	24♓ 2	22♓47	22♉24	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s19	13n18	2n42	7s18	1n15	11s16	2s39	24s33	1s44	22s22	1s 3	9n12	2s35	2s36	0n37	18n15	0n44	23s16	0n 2	1s33	2s17	21n46		n.a.
S 2	13 40	18 13	3 33	7 59	1 9	10 51	2 23	24 27	1 43	22 21	1 3	9 10	2 35	2 37	0 37	18 15	0 44	23 16	0 2	1 35	2 18	21 48		n.a.
S 3	14 0	22 25	4 15	8 39	1 2	10 27	2 7	24 20	1 42	22 19	1 3	9 9	2 35	2 39	0 37	18 15	0 44	23 16	0 2	1 38	2 20	21 50		n.a.
M 4	14 20	25 43	4 45	9 20	0 55	10 3	1 52	24 14	1 41	22 18	1 3	9 7	2 35	2 40	0 37	18 15	0 44	23 16	0 2	1 41	2 21	21 53		n.a.
T 5	14 40	27 54	5 3	10 0	0 48	9 40	1 37	24 7	1 40	22 16	1 3	9 5	2 35	2 41	0 37	18 15	0 44	23 17	0 2	1 45	2 22	21 55		n.a.
W 6	15 0	28 49	5 8	10 40	0 42	9 19	1 21	24 0	1 39	22 14	1 3	9 4	2 34	2 43	0 37	18 15	0 44	23 17	0 1	1 48	2 23	21 57		n.a.
T 7	15 19	28 23	4 59	11 19	0 35	8 58	1 6	23 52	1 38	22 13	1 2	9 2	2 34	2 44	0 37	18 15	0 45	23 17	0 1	1 50	2 25	22 0		n.a.
F 8	15 38	26 33	4 37	11 58	0 28	8 39	0 52	23 44	1 37	22 11	1 2	9 0	2 34	2 45	0 37	18 15	0 45	23 17	0 1	1 52	2 26	22 2		n.a.
S 9	15 57	23 25	4 1	12 37	0 21	8 21	0 37	23 37	1 36	22 9	1 2	8 59	2 34	2 47	0 37	18 15	0 45	23 17	0 1	1 53	2 27	22 4		n.a.
S 10	16 16	19 6	3 13	13 15	0 14	8 4	0 23	23 28	1 35	22 8	1 2	8 57	2 34	2 48	0 37	18 14	0 45	23 18	0 1	1 53	2 28	22 7		n.a.
M11	16 34	13 46	2 13	13 53	0 7	7 49	0 9	23 20	1 34	22 6	1 2	8 56	2 34	2 49	0 37	18 14	0 45	23 18	0 1	1 53	2 30	22 9		n.a.
T 12	16 52	7 37	1 4	14 30	0 1	7 34	0n 4	23 12	1 33	22 4	1 2	8 54	2 34	2 50	0 37	18 14	0 45	23 18	0 1	1 53	2 31	22 11		n.a.
W13	17 9	0 54	0s11	15 6	0s 6	7 22	0 17	23 3	1 32	22 2	1 2	8 53	2 34	2 52	0 37	18 14	0 45	23 18	0 1	1 52	2 32	22 14		n.a.
T 14	17 27	6s 4	1 27	15 42	0 13	7 10	0 29	22 54	1 31	22 0	1 2	8 51	2 33	2 53	0 37	18 14	0 45	23 19	0 1	1 53	2 33	22 16		n.a.
F 15	17 44	12 54	2 40	16 17	0 19	7 0	0 41	22 44	1 30	21 58	1 2	8 50	2 33	2 54	0 37	18 14	0 45	23 19	0 1	1 54	2 35	22 18		n.a.
S 16	18 1	19 7	3 43	16 52	0 26	6 51	0 53	22 35	1 29	21 56	1 2	8 48	2 33	2 55	0 37	18 14	0 45	23 19	0 1	1 57	2 36	22 21		n.a.
S 17	18 17	24 9	4 30	17 25	0 32	6 43	1 4	22 25	1 28	21 54	1 1	8 47	2 33	2 56	0 37	18 14	0 45	23 19	0 0	2 0	2 37	22 23		n.a.
M18	18 33	27 29	4 58	17 58	0 38	6 37	1 15	22 15	1 27	21 52	1 1	8 46	2 33	2 58	0 37	18 14	0 45	23 19	0 0	2 4	2 39	22 25		n.a.
T 19	18 49	28 46	5 4	18 31	0 44	6 32	1 25	22 5	1 26	21 50	1 1	8 44	2 33	2 59	0 37	18 15	0 45	23 20	0 0	2 7	2 40	22 28		n.a.
W20	19 4	27 58	4 50	19 2	0 50	6 28	1 35	21 55	1 25	21 48	1 1	8 43	2 32	3 0	0 37	18 15	0 45	23 20	0 0	2 11	2 41	22 30		n.a.
T 21	19 19	25 21	4 19	19 33	0 56	6 25	1 45	21 44	1 24	21 46	1 1	8 42	2 32	3 1	0 37	18 15	0 45	23 20	0 0	2 13	2 42	22 32		n.a.
F 22	19 34	21 20	3 33	20 2	1 2	6 23	1 54	21 34	1 23	21 44	1 1	8 40	2 32	3 2	0 37	18 15	0 45	23 20	0 0	2 14	2 44	22 34		n.a.
S 23	19 48	16 22	2 38	20 31	1 8	6 23	2 3	21 23	1 22	21 42	1 1	8 39	2 32	3 3	0 37	18 15	0 45	23 21	0s 0	2 15	2 45	22 37		n.a.
S 24	20 2	10 51	1 36	20 59	1 13	6 24	2 11	21 12	1 21	21 40	1 1	8 38	2 32	3 4	0 37	18 15	0 45	23 21	0 0	2 15	2 46	22 39		n.a.
M25	20 16	5 2	0 31	21 26	1 18	6 25	2 19	21 0	1 20	21 37	1 1	8 37	2 31	3 6	0 37	18 15	0 45	23 21	0 0	2 15	2 47	22 41		n.a.
T 26	20 29	0n50	0n34	21 51	1 23	6 28	2 26	20 49	1 19	21 35	1 1	8 36	2 31	3 7	0 37	18 15	0 45	23 21	0 0	2 15	2 49	22 43		n.a.
W27	20 42	6 35	1 36	22 16	1 28	6 31	2 33	20 37	1 18	21 33	1 1	8 34	2 31	3 8	0 37	18 15	0 45	23 22	0 0	2 15	2 50	22 46		n.a.
T 28	20 54	12 3	2 34	22 40	1 33	6 36	2 40	20 25	1 17	21 30	1 1	8 33	2 31	3 9	0 37	18 15	0 45	23 22	0 1	2 17	2 51	22 48		n.a.
F 29	21 6	17 3	3 24	23 2	1 37	6 42	2 46	20 13	1 16	21 28	1 1	8 32	2 30	3 10	0 37	18 15	0 45	23 22	0 1	2 20	2 53	22 50		n.a.
S 30	21s18	21n25	4n 5	23s23	1s41	6s48	2n52	20s 1	1s15	21s26	1s 0	8n31	2s30	3s11	0n37	18n16	0n45	23s22	0s 1	2s24	2s54	22n52		n.a.

Julian Day Number = 1645024.5, Delta T = 03h34m14s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'24, Lahiri = - 6°50'24 Julian Calendar 1 Nov. 210 BCE == Greg. Calendar 28 Oct. 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 210 BCE
geocentric

DECEMBER 210 BCE (-209) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 22 5	5♐31'53	0♊14	8♐33	24♎41	7♒29	29♑57	27°R51	9♎24	11°R30	20♐17	23°R49	22♓44	22♉30	n.a.	S 1
M 2	4 26 2	6°33'07	12° 9	10°10	25°16	8°13	0♒ 8	27♈48	9°26	11♌29	20°19	23♓35	22°41	22°37	n.a.	M 2
T 3	4 29 58	7°34'22	24° 8	11°48	25°53	8°58	0°20	27°45	9°29	11°29	20°21	23°21	22°37	22°44	n.a.	T 3
W 4	4 33 55	8°35'37	6♋13	13°26	26°31	9°42	0°31	27°42	9°31	11°28	20°23	23° 7	22°34	22°50	n.a.	W 4
T 5	4 37 52	9°36'51	18°25	15° 4	27°10	10°27	0°42	27°39	9°34	11°28	20°25	22°56	22°31	22°57	n.a.	T 5
F 6	4 41 48	10°38'06	0♌45	16°42	27°50	11°11	0°54	27°36	9°36	11°27	20°27	22°47	22°28	23° 4	n.a.	F 6
S 7	4 45 45	11°39'20	13°17	18°21	28°32	11°55	1° 6	27°33	9°38	11°27	20°29	22°41	22°25	23°10	n.a.	S 7
S 8	4 49 41	12°40'35	26° 2	20° 0	29°14	12°40	1°18	27°30	9°40	11°26	20°31	22°38	22°22	23°17	n.a.	S 8
M 9	4 53 38	13°41'50	9♍ 5	21°39	29°58	13°24	1°29	27°27	9°42	11°25	20°33	22°37	22°18	23°24	n.a.	M 9
T 10	4 57 34	14°43'04	22°29	23°19	0♏43	14° 8	1°41	27°25	9°45	11°25	20°35	22°37	22°15	23°31	n.a.	T 10
W11	5 1 31	15°44'18	6♎17	24°59	1°29	14°53	1°54	27°22	9°47	11°24	20°37	22°37	22°12	23°37	n.a.	W11
T 12	5 5 27	16°45'33	20°30	26°39	2°16	15°37	2° 6	27°20	9°49	11°23	20°39	22°35	22° 9	23°44	n.a.	T 12
F 13	5 9 24	17°46'47	5♏ 7	28°19	3° 3	16°21	2°18	27°18	9°51	11°22	20°41	22°30	22° 6	23°51	n.a.	F 13
S 14	5 13 21	18°48'01	20° 5	29°59	3°52	17° 5	2°30	27°16	9°53	11°21	20°43	22°22	22° 3	23°57	n.a.	S 14
S 15	5 17 17	19°49'14	5♐15	1♑38	4°41	17°50	2°43	27°14	9°54	11°20	20°45	22°12	21°59	24° 4	n.a.	S 15
M16	5 21 14	20°50'28	20°29	3°18	5°32	18°34	2°55	27°12	9°56	11°20	20°47	22° 0	21°56	24°11	n.a.	M16
T 17	5 25 10	21°51'40	5♑34	4°57	6°23	19°18	3° 8	27°10	9°58	11°19	20°49	21°48	21°53	24°18	n.a.	T 17
W18	5 29 7	22°52'52	20°21	6°36	7°14	20° 2	3°20	27° 8	10° 0	11°18	20°51	21°37	21°50	24°24	n.a.	W18
T 19	5 33 3	23°54'03	4♒41	8°14	8° 7	20°46	3°33	27° 7	10° 1	11°17	20°53	21°29	21°47	24°31	n.a.	T 19
F 20	5 37 0	24°55'13	18°32	9°51	9° 0	21°30	3°46	27° 5	10° 3	11°16	20°55	21°23	21°43	24°38	n.a.	F 20
S 21	5 40 57	25°56'22	1♓53	11°26	9°54	22°14	3°59	27° 4	10° 5	11°15	20°57	21°20	21°40	24°44	n.a.	S 21
S 22	5 44 53	26°57'30	14°47	13° 0	10°48	22°59	4°12	27° 2	10° 6	11°14	20°59	21°19	21°37	24°51	n.a.	S 22
M23	5 48 50	27°58'37	27°17	14°32	11°43	23°43	4°25	27° 1	10° 8	11°12	21° 1	21°19	21°34	24°58	n.a.	M23
T 24	5 52 46	28°59'42	9♈30	16° 1	12°39	24°27	4°38	27° 0	10° 9	11°11	21° 3	21°19	21°31	25° 4	n.a.	T 24
W25	5 56 43	0♑ 0'47	21°29	17°28	13°35	25°11	4°51	26°59	10°10	11°10	21° 5	21°17	21°28	25°11	n.a.	W25
T 26	6 0 39	1° 1'50	3♉21	18°50	14°32	25°55	5° 4	26°58	10°12	11° 9	21° 7	21°13	21°24	25°18	n.a.	T 26
F 27	6 4 36	2° 2'52	15°11	20° 9	15°29	26°39	5°17	26°58	10°13	11° 8	21° 9	21° 6	21°21	25°25	n.a.	F 27
S 28	6 8 32	3° 3'53	27° 1	21°22	16°27	27°22	5°30	26°57	10°14	11° 7	21°11	20°56	21°18	25°31	n.a.	S 28
S 29	6 12 29	4° 4'53	8♊55	22°30	17°25	28° 6	5°44	26°57	10°15	11° 5	21°13	20°44	21°15	25°38	n.a.	S 29
M30	6 16 26	5° 5'52	20°56	23°32	18°24	28°50	5°57	26°56	10°16	11° 4	21°15	20°30	21°12	25°45	n.a.	M30
T 31	6 20 22	6♑ 6'49	3♋ 4	24♑26	19♏23	29♒34	6♒11	26♈56	10♎18	11♌ 3	21♐17	20♓16	21♓ 9	25♉51	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	21s29	24n56	4n36	23s43	1s45	6s55	2n58	19s49	1s14	21s23	1s 0	8n30	2s30	3s12	0n37	18n16	0n45	23s23	0s 1	2s29	2s55	22n54			n.a.
M 2	21 40	27 23	4 54	24 2	1 49	7 3	3 3	19 36	1 13	21 21	1 0	8 29	2 30	3 13	0 37	18 16	0 45	23 23	0 1	2 35	2 56	22 57			n.a.
T 3	21 50	28 35	5 0	24 19	1 52	7 12	3 8	19 23	1 12	21 18	1 0	8 28	2 29	3 14	0 37	18 16	0 45	23 23	0 1	2 40	2 58	22 59			n.a.
W 4	22 0	28 27	4 53	24 35	1 55	7 21	3 13	19 10	1 11	21 15	1 0	8 27	2 29	3 14	0 38	18 16	0 46	23 23	0 1	2 46	2 59	23 1			n.a.
T 5	22 9	26 55	4 32	24 49	1 58	7 32	3 17	18 57	1 10	21 13	1 0	8 27	2 29	3 15	0 38	18 17	0 46	23 23	0 1	2 50	3 0	23 3			n.a.
F 6	22 18	24 5	3 58	25 2	2 0	7 42	3 21	18 44	1 9	21 10	1 0	8 26	2 29	3 16	0 38	18 17	0 46	23 24	0 1	2 54	3 1	23 5			n.a.
S 7	22 27	20 5	3 12	25 14	2 2	7 54	3 25	18 30	1 8	21 8	1 0	8 25	2 28	3 17	0 38	18 17	0 46	23 24	0 1	2 56	3 3	23 8			n.a.
S 8	22 35	15 7	2 16	25 24	2 3	8 6	3 28	18 17	1 7	21 5	1 0	8 24	2 28	3 18	0 38	18 17	0 46	23 24	0 1	2 57	3 4	23 10			n.a.
M 9	22 43	9 21	1 11	25 32	2 5	8 18	3 31	18 3	1 6	21 2	1 0	8 24	2 28	3 19	0 38	18 17	0 46	23 24	0 2	2 58	3 5	23 12			n.a.
T 10	22 50	3 2	0 1	25 38	2 5	8 31	3 34	17 49	1 5	20 59	1 0	8 23	2 28	3 20	0 38	18 18	0 46	23 25	0 2	2 58	3 7	23 14			n.a.
W11	22 57	3s37	1s11	25 43	2 6	8 45	3 36	17 35	1 4	20 57	1 0	8 22	2 27	3 20	0 38	18 18	0 46	23 25	0 2	2 58	3 8	23 16			n.a.
T 12	23 3	10 17	2 21	25 46	2 6	8 59	3 39	17 21	1 3	20 54	1 0	8 22	2 27	3 21	0 38	18 18	0 46	23 25	0 2	2 59	3 9	23 18			n.a.
F 13	23 9	16 35	3 24	25 48	2 5	9 13	3 41	17 7	1 2	20 51	1 0	8 21	2 27	3 22	0 38	18 18	0 46	23 25	0 2	3 1	3 10	23 20			n.a.
S 14	23 15	22 3	4 14	25 47	2 4	9 28	3 42	16 52	1 1	20 48	1 0	8 21	2 27	3 23	0 38	18 19	0 46	23 26	0 2	3 4	3 12	23 23			n.a.
S 15	23 20	26 8	4 47	25 45	2 2	9 43	3 44	16 38	1 0	20 45	1 0	8 20	2 26	3 23	0 38	18 19	0 46	23 26	0 2	3 8	3 13	23 25			n.a.
M16	23 24	28 21	5 0	25 40	2 0	9 59	3 45	16 23	0 59	20 42	1 0	8 20	2 26	3 24	0 38	18 19	0 46	23 26	0 2	3 12	3 14	23 27			n.a.
T 17	23 28	28 27	4 51	25 34	1 57	10 15	3 46	16 8	0 58	20 39	1 0	8 19	2 26	3 25	0 38	18 19	0 46	23 26	0 2	3 17	3 15	23 29			n.a.
W18	23 32	26 30	4 23	25 26	1 53	10 31	3 47	15 53	0 57	20 36	1 0	8 19	2 25	3 26	0 38	18 20	0 46	23 27	0 2	3 22	3 17	23 31			n.a.
T 19	23 35	22 52	3 40	25 16	1 49	10 47	3 48	15 38	0 57	20 33	0 59	8 19	2 25	3 26	0 38	18 20	0 46	23 27	0 2	3 25	3 18	23 33			n.a.
F 20	23 37	18 2	2 44	25 4	1 43	11 4	3 48	15 23	0 56	20 30	0 59	8 18	2 25	3 27	0 38	18 20	0 46	23 27	0 3	3 27	3 19	23 35			n.a.
S 21	23 40	12 29	1 41	24 51	1 38	11 20	3 49	15 7	0 55	20 27	0 59	8 18	2 25	3 27	0 38	18 21	0 46	23 27	0 3	3 29	3 20	23 37			n.a.
S 22	23 41	6 35	0 34	24 35	1 31	11 37	3 49	14 52	0 54	20 24	0 59	8 18	2 24	3 28	0 38	18 21	0 46	23 27	0 3	3 29	3 22	23 39			n.a.
M23	23 42	0 36	0n32	24 18	1 23	11 55	3 48	14 36	0 53	20 21	0 59	8 18	2 24	3 29	0 38	18 21	0 46	23 28	0 3	3 29	3 23	23 42			n.a.
T 24	23 43	5n15	1 35	23 59	1 15	12 12	3 48	14 21	0 52	20 18	0 59	8 18	2 24	3 29	0 38	18 22	0 46	23 28	0 3	3 29	3 24	23 44			n.a.
W25	23 43	10 49	2 32	23 39	1 5	12 29	3 48	14 5	0 51	20 14	0 59	8 18	2 23	3 30	0 38	18 22	0 46	23 28	0 3	3 30	3 26	23 46			n.a.
T 26	23 43	15 57	3 23	23 17	0 55	12 46	3 47	13 49	0 50	20 11	0 59	8 18	2 23	3 30	0 38	18 22	0 46	23 28	0 3	3 31	3 27	23 48			n.a.
F 27	23 42	20 28	4 4	22 55	0 44	13 4	3 46	13 33	0 49	20 8	0 59	8 18	2 23	3 31	0 38	18 23	0 46	23 29	0 3	3 34	3 28	23 50			n.a.
S 28	23 41	24 10	4 35	22 31	0 31	13 21	3 45	13 17	0 48	20 4	0 59	8 18	2 22	3 31	0 38	18 23	0 46	23 29	0 3	3 38	3 29	23 52			n.a.
S 29	23 40	26 53	4 54	22 7	0 18	13 39	3 44	13 0	0 47	20 1	0 59	8 18	2 22	3 31	0 38	18 24	0 46	23 29	0 3	3 43	3 31	23 54			n.a.
M30	23 37	28 24	5 0	21 43	0 4	13 57	3 43	12 44	0 46	19 58	0 59	8 18	2 22	3 32	0 38	18 24	0 46	23 29	0 3	3 48	3 32	23 56			n.a.
T 31	23s35	28n34	4n53	21s18	0n11	14s14	3n41	12s28	0s45	19s54	0s59	8n18	2s21	3s32	0n38	18n24	0n46	23s29	0s 4	3s54	3s33	23n58			n.a.

Julian Day Number = 1645054.5, Delta T = 03h34m13s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'20, Lahiri = - 6°50'20 Julian Calendar 1 Dec. 210 BCE == Greg. Calendar 27 Nov. 210 BCE

The year -209 astronomical counting style corresponds to year 210 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

JANUARY 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 24 19	7♉ 7'45	15♋20	25♉12	20♏23	0♓18	6♒24	26°R56	10♎19	11°R 2	21♐19	20°R 3	21♓ 5	25♑58	n.a.	W 1
T 2	6 28 15	8° 8'40	27°46	25°50	21°23	1° 2	6°38	26°D56	10°19	11♌ 0	21°21	19♓51	21° 2	26° 5	n.a.	T 2
F 3	6 32 12	9° 9'34	10♌20	26°17	22°24	1°45	6°51	26♈56	10°20	10°59	21°23	19°42	20°59	26°12	n.a.	F 3
S 4	6 36 8	10°10'27	23° 6	26°35	23°25	2°29	7° 5	26°56	10°21	10°58	21°25	19°36	20°56	26°18	n.a.	S 4
S 5	6 40 5	11°11'19	6♍ 2	26°R42	24°26	3°13	7°19	26°57	10°22	10°56	21°27	19°33	20°53	26°25	n.a.	S 5
M 6	6 44 1	12°12'09	19°12	26°37	25°28	3°56	7°32	26°57	10°23	10°55	21°29	19°D33	20°49	26°32	n.a.	M 6
T 7	6 47 58	13°12'59	2♎37	26°22	26°30	4°40	7°46	26°58	10°23	10°53	21°31	19°33	20°46	26°38	n.a.	T 7
W 8	6 51 55	14°13'47	16°20	25°56	27°32	5°23	8° 0	26°58	10°24	10°52	21°33	19°R33	20°43	26°45	n.a.	W 8
T 9	6 55 51	15°14'35	0♏20	25°20	28°35	6° 7	8°14	26°59	10°25	10°50	21°35	19°32	20°40	26°52	n.a.	T 9
F 10	6 59 48	16°15'21	14°39	24°34	29°38	6°51	8°28	27° 0	10°25	10°49	21°37	19°29	20°37	26°59	n.a.	F 10
S 11	7 3 44	17°16'06	29°15	23°40	0♐41	7°34	8°42	27° 1	10°25	10°47	21°39	19°23	20°34	27° 5	n.a.	S 11
S 12	7 7 41	18°16'50	14♐ 2	22°40	1°45	8°17	8°56	27° 2	10°26	10°46	21°40	19°15	20°30	27°12	n.a.	S 12
M13	7 11 37	19°17'33	28°53	21°34	2°48	9° 1	9°10	27° 3	10°26	10°44	21°42	19° 6	20°27	27°19	n.a.	M13
T 14	7 15 34	20°18'14	13♑41	20°26	3°53	9°44	9°24	27° 5	10°26	10°43	21°44	18°56	20°24	27°25	n.a.	T 14
W15	7 19 31	21°18'54	28°16	19°16	4°57	10°28	9°38	27° 6	10°27	10°41	21°46	18°47	20°21	27°32	n.a.	W15
T 16	7 23 27	22°19'32	12♒31	18° 7	6° 2	11°11	9°52	27° 8	10°27	10°40	21°48	18°40	20°18	27°39	n.a.	T 16
F 17	7 27 24	23°20'08	26°21	17° 0	7° 6	11°54	10° 6	27° 9	10°27	10°38	21°50	18°35	20°15	27°46	n.a.	F 17
S 18	7 31 20	24°20'43	9♓46	15°57	8°12	12°37	10°20	27°11	10°R27	10°37	21°51	18°33	20°11	27°52	n.a.	S 18
S 19	7 35 17	25°21'15	22°44	14°59	9°17	13°21	10°35	27°13	10°27	10°35	21°53	18°D33	20° 8	27°59	n.a.	S 19
M20	7 39 13	26°21'45	5♈20	14° 8	10°22	14° 4	10°49	27°15	10°27	10°33	21°55	18°34	20° 5	28° 6	n.a.	M20
T 21	7 43 10	27°22'14	17°36	13°23	11°28	14°47	11° 3	27°17	10°27	10°32	21°57	18°35	20° 2	28°12	n.a.	T 21
W22	7 47 6	28°22'40	29°39	12°45	12°34	15°30	11°17	27°20	10°27	10°30	21°58	18°R35	19°59	28°19	n.a.	W22
T 23	7 51 3	29°23'05	11♉34	12°14	13°40	16°13	11°32	27°22	10°26	10°29	22° 0	18°34	19°55	28°26	n.a.	T 23
F 24	7 54 59	0♒23'27	23°24	11°52	14°46	16°56	11°46	27°24	10°26	10°27	22° 2	18°31	19°52	28°33	n.a.	F 24
S 25	7 58 56	1°23'48	5♊16	11°36	15°53	17°39	12° 0	27°27	10°26	10°25	22° 3	18°26	19°49	28°39	n.a.	S 25
S 26	8 2 53	2°24'06	17°13	11°28	17° 0	18°22	12°15	27°30	10°25	10°24	22° 5	18°19	19°46	28°46	n.a.	S 26
M27	8 6 49	3°24'22	29°19	11°D26	18° 6	19° 5	12°29	27°32	10°25	10°22	22° 7	18°11	19°43	28°53	n.a.	M27
T 28	8 10 46	4°24'37	11♋35	11°31	19°13	19°48	12°43	27°35	10°24	10°20	22° 8	18° 3	19°40	28°59	n.a.	T 28
W29	8 14 42	5°24'49	24° 4	11°43	20°21	20°31	12°58	27°38	10°24	10°19	22°10	17°55	19°36	29° 6	n.a.	W29
T 30	8 18 39	6°24'59	6♌45	12° 0	21°28	21°14	13°12	27°41	10°23	10°17	22°11	17°48	19°33	29°13	n.a.	T 30
F 31	8 22 35	7♒25'08	19♌39	12♉23	22♐35	21♓56	13♒27	27♈44	10♎23	10♌15	22♐13	17♓43	19♓30	29♑20	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23s32	27n20	4n32	20s54	0n27	14s32	3n40	12s11	0s44	19s51	0s59	8n18	2s21	3s33	0n38	18n25	0n46	23s30	0s 4	3s59	3s34	24n 0			n.a.
T 2	23 28	24 44	3 58	20 31	0 43	14 49	3 38	11 55	0 43	19 47	0 59	8 19	2 21	3 33	0 38	18 25	0 46	23 30	0 4	4 4	3 36	24 2			n.a.
F 3	23 24	20 56	3 12	20 9	1 1	15 6	3 36	11 38	0 43	19 44	0 59	8 19	2 21	3 33	0 38	18 25	0 46	23 30	0 4	4 7	3 37	24 4			n.a.
S 4	23 20	16 7	2 15	19 48	1 18	15 24	3 34	11 21	0 42	19 40	0 59	8 19	2 20	3 34	0 38	18 26	0 46	23 30	0 4	4 10	3 38	24 6			n.a.
S 5	23 15	10 30	1 11	19 30	1 36	15 41	3 32	11 5	0 41	19 37	0 59	8 20	2 20	3 34	0 38	18 26	0 47	23 31	0 4	4 11	3 39	24 8			n.a.
M 6	23 9	4 21	0 2	19 13	1 54	15 58	3 30	10 48	0 40	19 33	0 59	8 20	2 20	3 34	0 38	18 27	0 47	23 31	0 4	4 11	3 41	24 10			n.a.
T 7	23 3	2s 6	1s 9	18 59	2 12	16 14	3 27	10 31	0 39	19 30	0 59	8 21	2 19	3 34	0 38	18 27	0 47	23 31	0 4	4 11	3 42	24 12			n.a.
W 8	22 57	8 36	2 17	18 47	2 28	16 31	3 25	10 14	0 38	19 26	0 59	8 21	2 19	3 35	0 38	18 28	0 47	23 31	0 4	4 11	3 43	24 14			n.a.
T 9	22 50	14 49	3 19	18 38	2 45	16 47	3 22	9 57	0 37	19 22	0 59	8 22	2 19	3 35	0 39	18 28	0 47	23 31	0 4	4 11	3 44	24 16			n.a.
F 10	22 43	20 24	4 10	18 31	2 59	17 4	3 20	9 40	0 36	19 19	0 59	8 23	2 18	3 35	0 39	18 28	0 47	23 32	0 4	4 13	3 46	24 18			n.a.
S 11	22 36	24 52	4 45	18 28	3 13	17 20	3 17	9 23	0 35	19 15	0 59	8 23	2 18	3 35	0 39	18 29	0 47	23 32	0 5	4 15	3 47	24 20			n.a.
S 12	22 27	27 45	5 2	18 26	3 24	17 35	3 14	9 5	0 34	19 11	0 59	8 24	2 18	3 35	0 39	18 29	0 47	23 32	0 5	4 18	3 48	24 22			n.a.
M13	22 19	28 42	4 59	18 28	3 33	17 51	3 11	8 48	0 34	19 8	0 59	8 25	2 17	3 35	0 39	18 30	0 47	23 32	0 5	4 22	3 50	24 24			n.a.
T 14	22 10	27 35	4 36	18 31	3 40	18 6	3 8	8 31	0 33	19 4	0 59	8 25	2 17	3 35	0 39	18 30	0 47	23 33	0 5	4 26	3 51	24 25			n.a.
W15	22 1	24 35	3 55	18 36	3 45	18 21	3 5	8 13	0 32	19 0	0 59	8 26	2 17	3 35	0 39	18 31	0 47	23 33	0 5	4 29	3 52	24 27			n.a.
T 16	21 51	20 8	3 0	18 43	3 47	18 35	3 2	7 56	0 31	18 56	0 59	8 27	2 16	3 35	0 39	18 31	0 47	23 33	0 5	4 32	3 53	24 29			n.a.
F 17	21 41	14 42	1 56	18 52	3 48	18 49	2 58	7 38	0 30	18 52	0 59	8 28	2 16	3 35	0 39	18 32	0 47	23 33	0 5	4 34	3 55	24 31			n.a.
S 18	21 30	8 43	0 47	19 2	3 45	19 3	2 55	7 21	0 29	18 48	0 59	8 29	2 16	3 35	0 39	18 32	0 47	23 33	0 5	4 35	3 56	24 33			n.a.
S 19	21 19	2 34	0n22	19 12	3 41	19 17	2 52	7 3	0 28	18 44	0 59	8 30	2 16	3 35	0 39	18 32	0 47	23 34	0 5	4 35	3 57	24 35			n.a.
M20	21 8	3n30	1 29	19 23	3 36	19 30	2 48	6 46	0 28	18 41	0 59	8 31	2 15	3 35	0 39	18 33	0 47	23 34	0 5	4 35	3 58	24 37			n.a.
T 21	20 56	9 17	2 30	19 35	3 28	19 42	2 45	6 28	0 27	18 37	0 59	8 32	2 15	3 35	0 39	18 33	0 47	23 34	0 5	4 34	4 0	24 39			n.a.
W22	20 44	14 38	3 23	19 48	3 19	19 55	2 41	6 11	0 26	18 33	0 59	8 33	2 15	3 35	0 39	18 34	0 47	23 34	0 6	4 34	4 1	24 41			n.a.
T 23	20 31	19 22	4 6	20 0	3 10	20 7	2 37	5 53	0 25	18 29	0 59	8 34	2 14	3 35	0 39	18 34	0 47	23 34	0 6	4 34	4 2	24 43			n.a.
F 24	20 18	23 20	4 39	20 13	2 59	20 18	2 34	5 35	0 24	18 25	0 59	8 35	2 14	3 35	0 39	18 35	0 47	23 35	0 6	4 35	4 3	24 44			n.a.
S 25	20 5	26 20	4 59	20 26	2 48	20 29	2 30	5 18	0 23	18 21	0 59	8 37	2 14	3 35	0 39	18 35	0 47	23 35	0 6	4 37	4 5	24 46			n.a.
S 26	19 51	28 12	5 7	20 38	2 36	20 39	2 26	5 0	0 22	18 17	0 59	8 38	2 13	3 35	0 39	18 36	0 47	23 35	0 6	4 40	4 6	24 48			n.a.
M27	19 37	28 45	5 2	20 50	2 23	20 49	2 22	4 42	0 22	18 13	0 59	8 39	2 13	3 34	0 39	18 36	0 47	23 35	0 6	4 43	4 7	24 50			n.a.
T 28	19 23	27 54	4 42	21 2	2 11	20 59	2 18	4 24	0 21	18 8	0 59	8 40	2 13	3 34	0 39	18 37	0 47	23 35	0 6	4 47	4 8	24 52			n.a.
W29	19 8	25 38	4 9	21 14	1 58	21 8	2 14	4 6	0 20	18 4	1 0	8 42	2 13	3 34	0 39	18 37	0 47	23 35	0 6	4 50	4 10	24 54			n.a.
T 30	18 53	22 5	3 23	21 25	1 46	21 17	2 10	3 49	0 19	18 0	1 0	8 43	2 12	3 34	0 39	18 38	0 47	23 36	0 6	4 53	4 11	24 55			n.a.
F 31	18s38	17n24	2n26	21s35	1n33	21s25	2n 6	3s31	0s18	17s56	1s 0	8n45	2s12	3s33	0n39	18n38	0n47	23s36	0s 6	4s55	4s12	24n57			n.a.

Julian Day Number = 1645085.5, Delta T = 03h34m12s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'16, Lahiri = - 6°50'15 Julian Calendar 1 Jan. 209 BCE == Greg. Calendar 28 Dec. 210 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

FEBRUARY 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 26 32	8♒25'14	2♍46	12♑50	23♐43	22♓39	13♒41	27♈48	10°R22	10°R14	22♐14	17°R40	19♓27	29♉26	n.a.	S 1
S 2	8 30 29	9°25'19	16° 4	13°23	24°51	23°22	13°56	27°51	10♎21	10♌12	22°16	17°D39	19°24	29°33	n.a.	S 2
M 3	8 34 25	10°25'21	29°33	14° 0	25°59	24° 4	14°10	27°55	10°20	10°10	22°17	17♓39	19°21	29°40	n.a.	M 3
T 4	8 38 22	11°25'22	13♎14	14°41	27° 7	24°47	14°24	27°58	10°20	10° 9	22°19	17°41	19°17	29°46	n.a.	T 4
W 5	8 42 18	12°25'22	27° 4	15°26	28°15	25°30	14°39	28° 2	10°19	10° 7	22°20	17°42	19°14	29°53	n.a.	W 5
T 6	8 46 15	13°25'19	11♏ 6	16°14	29°23	26°12	14°53	28° 6	10°18	10° 5	22°22	17°R43	19°11	29°59	n.a.	T 6
F 7	8 50 11	14°25'15	25°16	17° 6	0♑32	26°55	15° 8	28° 9	10°17	10° 4	22°23	17°42	19° 8	0♊ 7	n.a.	F 7
S 8	8 54 8	15°25'09	9♐34	18° 1	1°40	27°37	15°22	28°13	10°16	10° 2	22°25	17°41	19° 5	0°13	n.a.	S 8
S 9	8 58 4	16°25'02	23°56	18°59	2°49	28°19	15°37	28°17	10°15	10° 0	22°26	17°37	19° 1	0°20	n.a.	S 9
M10	9 2 1	17°24'53	8♑19	19°59	3°58	29° 2	15°51	28°22	10°13	9°59	22°27	17°33	18°58	0°27	n.a.	M10
T 11	9 5 58	18°24'41	22°38	21° 2	5° 7	29°44	16° 6	28°26	10°12	9°57	22°29	17°28	18°55	0°33	n.a.	T 11
W12	9 9 54	19°24'28	6♒47	22° 8	6°16	0♈26	16°20	28°30	10°11	9°55	22°30	17°24	18°52	0°40	n.a.	W12
T 13	9 13 51	20°24'13	20°41	23°16	7°25	1° 9	16°35	28°35	10°10	9°54	22°31	17°21	18°49	0°47	n.a.	T 13
F 14	9 17 47	21°23'56	4♓18	24°26	8°34	1°51	16°49	28°39	10° 8	9°52	22°32	17°19	18°46	0°54	n.a.	F 14
S 15	9 21 44	22°23'36	17°33	25°38	9°43	2°33	17° 4	28°44	10° 7	9°50	22°34	17°D18	18°42	1° 0	n.a.	S 15
S 16	9 25 40	23°23'14	0♈29	26°52	10°52	3°15	17°18	28°48	10° 5	9°49	22°35	17°19	18°39	1° 7	n.a.	S 16
M17	9 29 37	24°22'50	13° 4	28° 7	12° 2	3°57	17°32	28°53	10° 4	9°47	22°36	17°20	18°36	1°14	n.a.	M17
T 18	9 33 33	25°22'23	25°23	29°25	13°11	4°39	17°47	28°58	10° 2	9°46	22°37	17°22	18°33	1°20	n.a.	T 18
W19	9 37 30	26°21'54	7♉29	0♒45	14°21	5°22	18° 1	29° 3	10° 1	9°44	22°38	17°24	18°30	1°27	n.a.	W19
T 20	9 41 26	27°21'23	19°26	2° 6	15°31	6° 4	18°16	29° 8	9°59	9°42	22°39	17°24	18°26	1°34	n.a.	T 20
F 21	9 45 23	28°20'49	1♊19	3°28	16°40	6°45	18°30	29°13	9°58	9°41	22°40	17°R25	18°23	1°41	n.a.	F 21
S 22	9 49 20	29°20'13	13°12	4°53	17°50	7°27	18°44	29°18	9°56	9°39	22°41	17°24	18°20	1°47	n.a.	S 22
S 23	9 53 16	0♓19'35	25°10	6°18	19° 0	8° 9	18°59	29°23	9°54	9°38	22°42	17°23	18°17	1°54	n.a.	S 23
M24	9 57 13	1°18'54	7♋18	7°46	20°10	8°51	19°13	29°29	9°52	9°36	22°43	17°21	18°14	2° 1	n.a.	M24
T 25	10 1 9	2°18'11	19°39	9°14	21°20	9°33	19°27	29°34	9°51	9°35	22°44	17°18	18°11	2° 8	n.a.	T 25
W26	10 5 6	3°17'26	2♌16	10°45	22°30	10°15	19°41	29°40	9°49	9°33	22°45	17°16	18° 7	2°14	n.a.	W26
T 27	10 9 2	4°16'38	15°10	12°17	23°40	10°56	19°56	29°45	9°47	9°32	22°46	17°14	18° 4	2°21	n.a.	T 27
F 28	10 12 59	5°15'48	28°22	13°50	24°50	11°38	20°10	29°51	9°45	9°30	22°47	17°13	18° 1	2°28	n.a.	F 28
S 29	10 16 55	6♓14'55	11♍51	15♒24	26♑ 1	12♈20	20♒24	29♈57	9♎43	9♌29	22♐48	17°D13	17♓58	2♊34	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s22	11n51	1n20	21s45	1n21	21s32	2n 2	3s13	0s18	17s52	1s 0	8n46	2s12	3s33	0n39	18n39	0n47	23s36	0s 6	4s56	4s14	24n59		n.a.
S 2	18 6	5 41	0 9	21 54	1 9	21 39	1 58	2 55	0 17	17 48	1 0	8 47	2 11	3 33	0 39	18 39	0 47	23 36	0 7	4 56	4 15	25 1		n.a.
M 3	17 50	0s48	1s 4	22 2	0 57	21 46	1 54	2 38	0 16	17 44	1 0	8 49	2 11	3 32	0 39	18 39	0 47	23 36	0 7	4 56	4 16	25 3		n.a.
T 4	17 33	7 21	2 15	22 10	0 45	21 52	1 50	2 20	0 15	17 39	1 0	8 51	2 11	3 32	0 39	18 40	0 47	23 37	0 7	4 56	4 17	25 4		n.a.
W 5	17 17	13 37	3 18	22 16	0 33	21 57	1 46	2 2	0 14	17 35	1 0	8 52	2 11	3 32	0 39	18 40	0 47	23 37	0 7	4 55	4 19	25 6		n.a.
T 6	16 59	19 18	4 11	22 21	0 22	22 2	1 42	1 44	0 14	17 31	1 0	8 54	2 10	3 31	0 39	18 41	0 47	23 37	0 7	4 55	4 20	25 8		n.a.
F 7	16 42	23 58	4 48	22 26	0 11	22 6	1 37	1 26	0 13	17 27	1 0	8 55	2 10	3 31	0 39	18 41	0 47	23 37	0 7	4 55	4 21	25 10		n.a.
S 8	16 24	27 14	5 9	22 29	0 1	22 9	1 33	1 9	0 12	17 22	1 0	8 57	2 10	3 30	0 39	18 42	0 47	23 37	0 7	4 56	4 22	25 12		n.a.
S 9	16 6	28 45	5 10	22 31	0s10	22 12	1 29	0 51	0 11	17 18	1 0	8 59	2 9	3 30	0 39	18 42	0 47	23 37	0 7	4 57	4 24	25 13		n.a.
M10	15 48	28 19	4 52	22 32	0 19	22 15	1 25	0 33	0 11	17 14	1 0	9 1	2 9	3 29	0 39	18 43	0 47	23 38	0 7	4 59	4 25	25 15		n.a.
T 11	15 29	26 0	4 15	22 32	0 29	22 17	1 21	0 15	0 10	17 9	1 0	9 2	2 9	3 29	0 39	18 43	0 47	23 38	0 7	5 0	4 26	25 17		n.a.
W12	15 11	22 5	3 24	22 30	0 38	22 18	1 17	0n 2	0 9	17 5	1 0	9 4	2 9	3 28	0 39	18 44	0 47	23 38	0 8	5 2	4 27	25 19		n.a.
T 13	14 51	16 59	2 21	22 28	0 47	22 18	1 13	0 20	0 8	17 1	1 0	9 6	2 8	3 28	0 39	18 44	0 47	23 38	0 8	5 3	4 29	25 20		n.a.
F 14	14 32	11 9	1 11	22 24	0 55	22 18	1 8	0 38	0 8	16 56	1 0	9 8	2 8	3 27	0 40	18 45	0 47	23 38	0 8	5 4	4 30	25 22		n.a.
S 15	14 13	4 57	0n 1	22 18	1 3	22 18	1 4	0 55	0 7	16 52	1 0	9 10	2 8	3 27	0 40	18 45	0 47	23 38	0 8	5 4	4 31	25 24		n.a.
S 16	13 53	1n17	1 12	22 12	1 11	22 16	1 0	1 13	0 6	16 48	1 1	9 12	2 8	3 26	0 40	18 45	0 47	23 39	0 8	5 4	4 32	25 25		n.a.
M17	13 33	7 19	2 17	22 3	1 18	22 15	0 56	1 31	0 5	16 43	1 1	9 13	2 7	3 26	0 40	18 46	0 47	23 39	0 8	5 4	4 34	25 27		n.a.
T 18	13 13	12 56	3 14	21 54	1 25	22 12	0 52	1 48	0 5	16 39	1 1	9 15	2 7	3 25	0 40	18 46	0 47	23 39	0 8	5 3	4 35	25 29		n.a.
W19	12 53	17 59	4 2	21 43	1 31	22 9	0 48	2 6	0 4	16 34	1 1	9 17	2 7	3 24	0 40	18 47	0 47	23 39	0 8	5 2	4 36	25 30		n.a.
T 20	12 32	22 15	4 39	21 31	1 37	22 5	0 44	2 23	0 3	16 30	1 1	9 19	2 7	3 24	0 40	18 47	0 47	23 39	0 8	5 2	4 37	25 32		n.a.
F 21	12 11	25 36	5 3	21 17	1 43	22 1	0 40	2 41	0 2	16 26	1 1	9 22	2 6	3 23	0 40	18 48	0 47	23 39	0 8	5 2	4 39	25 34		n.a.
S 22	11 50	27 51	5 14	21 1	1 48	21 56	0 36	2 58	0 2	16 21	1 1	9 24	2 6	3 22	0 40	18 48	0 47	23 40	0 8	5 2	4 40	25 35		n.a.
S 23	11 29	28 50	5 12	20 44	1 53	21 50	0 32	3 15	0 1	16 17	1 1	9 26	2 6	3 22	0 40	18 48	0 47	23 40	0 9	5 3	4 41	25 37		n.a.
M24	11 8	28 27	4 56	20 26	1 57	21 44	0 28	3 33	0 0	16 12	1 1	9 28	2 6	3 21	0 40	18 49	0 47	23 40	0 9	5 3	4 42	25 39		n.a.
T 25	10 47	26 39	4 27	20 6	2 1	21 37	0 24	3 50	0n 0	16 8	1 1	9 30	2 5	3 20	0 40	18 49	0 47	23 40	0 9	5 4	4 44	25 40		n.a.
W26	10 25	23 31	3 43	19 45	2 5	21 30	0 20	4 7	0 1	16 3	1 1	9 32	2 5	3 19	0 40	18 50	0 47	23 40	0 9	5 5	4 45	25 42		n.a.
T 27	10 3	19 9	2 48	19 22	2 8	21 21	0 16	4 24	0 2	15 59	1 1	9 34	2 5	3 19	0 40	18 50	0 47	23 40	0 9	5 6	4 46	25 44		n.a.
F 28	9 42	13 47	1 42	18 57	2 10	21 13	0 12	4 42	0 3	15 54	1 2	9 36	2 5	3 18	0 40	18 51	0 47	23 40	0 9	5 6	4 47	25 45		n.a.
S 29	9s20	7n39	0n30	18s31	2s13	21s 3	0n 9	4n59	0n 3	15s50	1s 2	9n39	2s 4	3s17	0n40	18n51	0n47	23s41	0s 9	5s 7	4s49	25n47		n.a.

Julian Day Number = 1645116.5, Delta T = 03h34m11s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'12, Lahiri = - 6°50'11 Julian Calendar 1 Feb. 209 BCE == Greg. Calendar 28 Jan. 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

MARCH 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 20 52	7♓14'01	25♍35	17♒ 0	27♑11	13♈ 1	20♒38	0♉ 2	9°R41	9°R27	22♐49	17♓13	17♓55	2♊41	n.a.	S 1
M 2	10 24 49	8°13'04	9♎32	18°38	28°21	13°43	20°52	0° 8	9♎39	9♏26	22°49	17°13	17°52	2°48	n.a.	M 2
T 3	10 28 45	9°12'05	23°38	20°17	29°32	14°24	21° 6	0°14	9°37	9°24	22°50	17°14	17°48	2°55	n.a.	T 3
W 4	10 32 42	10°11'05	7♏50	21°57	0♒42	15° 6	21°21	0°20	9°35	9°23	22°51	17°15	17°45	3° 1	n.a.	W 4
T 5	10 36 38	11°10'03	22° 5	23°39	1°53	15°47	21°35	0°26	9°33	9°22	22°52	17°15	17°42	3° 8	n.a.	T 5
F 6	10 40 35	12° 8'59	6♐20	25°22	3° 3	16°28	21°49	0°32	9°31	9°20	22°52	17°R15	17°39	3°15	n.a.	F 6
S 7	10 44 31	13° 7'53	20°32	27° 7	4°14	17°10	22° 3	0°38	9°29	9°19	22°53	17°15	17°36	3°21	n.a.	S 7
S 8	10 48 28	14° 6'45	4♑39	28°53	5°25	17°51	22°16	0°44	9°26	9°18	22°53	17°15	17°32	3°28	n.a.	S 8
M 9	10 52 24	15° 5'36	18°40	0♓41	6°36	18°32	22°30	0°51	9°24	9°16	22°54	17°15	17°29	3°35	n.a.	M 9
T 10	10 56 21	16° 4'25	2♒31	2°30	7°46	19°14	22°44	0°57	9°22	9°15	22°55	17°15	17°26	3°42	n.a.	T 10
W11	11 0 18	17° 3'12	16°11	4°21	8°57	19°55	22°58	1° 3	9°20	9°14	22°55	17°D15	17°23	3°48	n.a.	W11
T 12	11 4 14	18° 1'56	29°38	6°13	10° 8	20°36	23°12	1°10	9°17	9°13	22°56	17°15	17°20	3°55	n.a.	T 12
F 13	11 8 11	19° 0'39	12♓51	8° 7	11°19	21°17	23°26	1°16	9°15	9°11	22°56	17°R15	17°17	4° 2	n.a.	F 13
S 14	11 12 7	19°59'20	25°49	10° 2	12°30	21°58	23°39	1°23	9°13	9°10	22°57	17°15	17°13	4° 8	n.a.	S 14
S 15	11 16 4	20°57'58	8♈32	11°59	13°41	22°39	23°53	1°30	9°10	9° 9	22°57	17°14	17°10	4°15	n.a.	S 15
M16	11 20 0	21°56'35	21° 1	13°57	14°52	23°20	24° 7	1°36	9° 8	9° 8	22°57	17°14	17° 7	4°22	n.a.	M16
T 17	11 23 57	22°55'09	3♉17	15°57	16° 3	24° 1	24°20	1°43	9° 6	9° 7	22°58	17°13	17° 4	4°29	n.a.	T 17
W18	11 27 53	23°53'42	15°21	17°57	17°14	24°42	24°34	1°50	9° 3	9° 6	22°58	17°13	17° 1	4°35	n.a.	W18
T 19	11 31 50	24°52'12	27°18	20° 0	18°26	25°23	24°47	1°57	9° 1	9° 5	22°58	17°12	16°58	4°42	n.a.	T 19
F 20	11 35 46	25°50'39	9♊12	22° 3	19°37	26° 4	25° 1	2° 3	8°58	9° 4	22°59	17°11	16°54	4°49	n.a.	F 20
S 21	11 39 43	26°49'05	21° 5	24° 8	20°48	26°45	25°14	2°10	8°56	9° 3	22°59	17°10	16°51	4°56	n.a.	S 21
S 22	11 43 40	27°47'28	3♋ 3	26°14	21°59	27°26	25°27	2°17	8°53	9° 2	22°59	17°D10	16°48	5° 2	n.a.	S 22
M23	11 47 36	28°45'50	15°10	28°21	23°11	28° 7	25°41	2°24	8°51	9° 1	22°59	17°11	16°45	5° 9	n.a.	M23
T 24	11 51 33	29°44'09	27°31	0♈28	24°22	28°47	25°54	2°31	8°48	9° 0	22°59	17°12	16°42	5°16	n.a.	T 24
W25	11 55 29	0♈42'26	10♌10	2°36	25°33	29°28	26° 7	2°39	8°46	8°59	22°59	17°13	16°38	5°22	n.a.	W25
T 26	11 59 26	1°40'40	23°10	4°45	26°45	0♉ 9	26°20	2°46	8°43	8°58	23° 0	17°14	16°35	5°29	n.a.	T 26
F 27	12 3 22	2°38'53	6♍32	6°53	27°56	0°49	26°33	2°53	8°41	8°57	23° 0	17°15	16°32	5°36	n.a.	F 27
S 28	12 7 19	3°37'03	20°17	9° 1	29° 8	1°30	26°46	3° 0	8°38	8°56	23°R 0	17°R15	16°29	5°43	n.a.	S 28
S 29	12 11 15	4°35'12	4♎23	11° 9	0♓19	2°10	26°59	3° 7	8°36	8°55	23° 0	17°15	16°26	5°49	n.a.	S 29
M30	12 15 12	5°33'19	18°46	13°16	1°31	2°51	27°12	3°15	8°33	8°55	23° 0	17°13	16°23	5°56	n.a.	M30
T 31	12 19 9	6♈31'24	3♏20	15♈22	2♓42	3♉31	27♒24	3♉22	8♎31	8♌54	23♐ 0	17♓11	16♓19	6♊ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8s57	1n 4	0s46	18s 3	2s14	20s54	0n 5	5n16	0n 4	15s45	1s 2	9n41	2s 4	3s16	0n40	18n51	0n47	23s41	0s 9	5s 7	4s50	25n49		n.a.
M 2	8 35	5s40	2 0	17 34	2 15	20 43	0 1	5 33	0 5	15 41	1 2	9 43	2 4	3 16	0 40	18 52	0 47	23 41	0 9	5 6	4 51	25 50		n.a.
T 3	8 13	12 11	3 8	17 3	2 16	20 32	0s 3	5 49	0 5	15 36	1 2	9 45	2 4	3 15	0 40	18 52	0 47	23 41	0 9	5 6	4 52	25 52		n.a.
W 4	7 50	18 8	4 5	16 30	2 16	20 20	0 6	6 6	0 6	15 32	1 2	9 48	2 4	3 14	0 40	18 52	0 47	23 41	0 10	5 6	4 54	25 53		n.a.
T 5	7 28	23 7	4 47	15 56	2 16	20 8	0 10	6 23	0 7	15 28	1 2	9 50	2 3	3 13	0 40	18 53	0 47	23 41	0 10	5 6	4 55	25 55		n.a.
F 6	7 5	26 43	5 11	15 20	2 15	19 55	0 13	6 40	0 7	15 23	1 2	9 52	2 3	3 12	0 40	18 53	0 47	23 41	0 10	5 6	4 56	25 56		n.a.
S 7	6 42	28 38	5 16	14 43	2 14	19 42	0 17	6 56	0 8	15 19	1 2	9 55	2 3	3 11	0 40	18 54	0 47	23 42	0 10	5 6	4 58	25 58		n.a.
S 8	6 19	28 41	5 2	14 4	2 12	19 28	0 20	7 13	0 9	15 14	1 3	9 57	2 3	3 10	0 40	18 54	0 47	23 42	0 10	5 6	4 59	26 0		n.a.
M 9	5 56	26 52	4 31	13 23	2 10	19 13	0 23	7 30	0 9	15 10	1 3	10 0	2 3	3 10	0 40	18 54	0 47	23 42	0 10	5 6	5 0	26 1		n.a.
T 10	5 33	23 27	3 43	12 41	2 7	18 58	0 27	7 46	0 10	15 5	1 3	10 2	2 2	3 9	0 40	18 55	0 47	23 42	0 10	5 6	5 1	26 3		n.a.
W11	5 10	18 47	2 44	11 57	2 4	18 43	0 30	8 2	0 11	15 1	1 3	10 4	2 2	3 8	0 40	18 55	0 47	23 42	0 10	5 6	5 3	26 4		n.a.
T 12	4 47	13 14	1 36	11 12	2 0	18 27	0 33	8 19	0 11	14 56	1 3	10 7	2 2	3 7	0 40	18 55	0 47	23 42	0 10	5 6	5 4	26 6		n.a.
F 13	4 24	7 11	0 24	10 25	1 56	18 10	0 36	8 35	0 12	14 52	1 3	10 9	2 2	3 6	0 40	18 56	0 47	23 42	0 10	5 6	5 5	26 7		n.a.
S 14	4 1	0 57	0n47	9 36	1 51	17 53	0 39	8 51	0 12	14 47	1 3	10 12	2 2	3 5	0 40	18 56	0 47	23 42	0 11	5 6	5 6	26 9		n.a.
S 15	3 37	5n11	1 55	8 46	1 45	17 35	0 42	9 7	0 13	14 43	1 3	10 14	2 1	3 4	0 40	18 56	0 47	23 43	0 11	5 6	5 8	26 10		n.a.
M16	3 14	11 1	2 56	7 55	1 39	17 17	0 45	9 23	0 14	14 38	1 3	10 17	2 1	3 3	0 40	18 56	0 47	23 43	0 11	5 6	5 9	26 12		n.a.
T 17	2 51	16 19	3 48	7 2	1 33	16 58	0 48	9 39	0 14	14 34	1 4	10 19	2 1	3 2	0 40	18 57	0 47	23 43	0 11	5 6	5 10	26 13		n.a.
W18	2 27	20 55	4 29	6 8	1 26	16 39	0 51	9 55	0 15	14 29	1 4	10 22	2 1	3 1	0 40	18 57	0 47	23 43	0 11	5 7	5 11	26 15		n.a.
T 19	2 4	24 37	4 58	5 12	1 18	16 20	0 53	10 10	0 16	14 25	1 4	10 24	2 1	3 0	0 40	18 57	0 47	23 43	0 11	5 7	5 13	26 16		n.a.
F 20	1 40	27 15	5 13	4 16	1 10	16 0	0 56	10 26	0 16	14 21	1 4	10 27	2 0	2 59	0 40	18 58	0 47	23 43	0 11	5 7	5 14	26 18		n.a.
S 21	1 17	28 40	5 16	3 18	1 2	15 39	0 59	10 42	0 17	14 16	1 4	10 29	2 0	2 58	0 40	18 58	0 47	23 43	0 11	5 7	5 15	26 19		n.a.
S 22	0 53	28 46	5 4	2 19	0 53	15 18	1 1	10 57	0 17	14 12	1 4	10 32	2 0	2 57	0 40	18 58	0 47	23 43	0 11	5 7	5 16	26 20		n.a.
M23	0 30	27 29	4 40	1 20	0 43	14 57	1 4	11 12	0 18	14 7	1 4	10 35	2 0	2 56	0 40	18 58	0 47	23 44	0 11	5 7	5 18	26 22		n.a.
T 24	0 6	24 51	4 1	0 20	0 34	14 35	1 6	11 28	0 19	14 3	1 5	10 37	2 0	2 55	0 40	18 59	0 47	23 44	0 12	5 7	5 19	26 23		n.a.
W25	0n17	20 58	3 11	0n41	0 24	14 13	1 8	11 43	0 19	13 59	1 5	10 40	2 0	2 54	0 40	18 59	0 47	23 44	0 12	5 6	5 20	26 25		n.a.
T 26	0 40	15 59	2 9	1 42	0 13	13 51	1 11	11 58	0 20	13 54	1 5	10 42	1 59	2 53	0 40	18 59	0 47	23 44	0 12	5 6	5 21	26 26		n.a.
F 27	1 4	10 8	0 59	2 43	0 3	13 28	1 13	12 13	0 20	13 50	1 5	10 45	1 59	2 52	0 40	18 59	0 47	23 44	0 12	5 6	5 23	26 28		n.a.
S 28	1 27	3 38	0s17	3 44	0n 8	13 5	1 15	12 28	0 21	13 46	1 5	10 48	1 59	2 51	0 40	19 0	0 47	23 44	0 12	5 6	5 24	26 29		n.a.
S 29	1 51	3s11	1 33	4 45	0 19	12 41	1 17	12 42	0 22	13 41	1 5	10 50	1 59	2 50	0 40	19 0	0 47	23 44	0 12	5 6	5 25	26 30		n.a.
M30	2 14	9 58	2 45	5 45	0 30	12 17	1 19	12 57	0 22	13 37	1 6	10 53	1 59	2 49	0 40	19 0	0 47	23 44	0 12	5 6	5 26	26 32		n.a.
T 31	2n37	16s20	3s47	6n45	0n41	11s53	1s21	13n11	0n23	13s33	1s 6	10n55	1s59	2s48	0n40	19n 0	0n47	23s44	0s12	5s 7	5s28	26n33		n.a.

Julian Day Number = 1645145.5, Delta T = 03h34m10s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'08, Lahiri = - 6°50'07 Julian Calendar 1 March 209 BCE == Greg. Calendar 26 Feb. 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

APRIL 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 23 5	7♈29'27	18♏ 0	17♈27	3♓54	4♉12	27♒37	3♉29	8°R28	8°R53	22°R59	17°R 8	16♓16	6♊ 9	n.a.	W 1
T 2	12 27 2	8°27'29	2♐38	19°30	5° 5	4°52	27°50	3°37	8♎26	8♌52	22♐59	17♓ 6	16°13	6°16	n.a.	T 2
F 3	12 30 58	9°25'29	17° 9	21°31	6°17	5°32	28° 2	3°44	8°23	8°52	22°59	17° 4	16°10	6°23	n.a.	F 3
S 4	12 34 55	10°23'29	1♑28	23°30	7°29	6°13	28°15	3°52	8°21	8°51	22°59	17° 2	16° 7	6°30	n.a.	S 4
S 5	12 38 51	11°21'26	15°32	25°26	8°40	6°53	28°27	3°59	8°18	8°51	22°59	17°D 2	16° 3	6°36	n.a.	S 5
M 6	12 42 48	12°19'23	29°21	27°20	9°52	7°33	28°40	4° 7	8°16	8°50	22°59	17° 3	16° 0	6°43	n.a.	M 6
T 7	12 46 44	13°17'18	12♒53	29°11	11° 4	8°14	28°52	4°14	8°13	8°50	22°58	17° 4	15°57	6°50	n.a.	T 7
W 8	12 50 41	14°15'11	26°11	0♉59	12°16	8°54	29° 4	4°22	8°10	8°49	22°58	17° 6	15°54	6°57	n.a.	W 8
T 9	12 54 38	15°13'03	9♓14	2°44	13°28	9°34	29°16	4°29	8° 8	8°49	22°58	17° 7	15°51	7° 3	n.a.	T 9
F 10	12 58 34	16°10'53	22° 4	4°25	14°39	10°14	29°28	4°37	8° 5	8°48	22°57	17°R 7	15°48	7°10	n.a.	F 10
S 11	13 2 31	17° 8'42	4♈42	6° 3	15°51	10°54	29°40	4°45	8° 3	8°48	22°57	17° 6	15°44	7°17	n.a.	S 11
S 12	13 6 27	18° 6'30	17° 9	7°38	17° 3	11°34	29°52	4°52	8° 0	8°47	22°57	17° 3	15°41	7°23	n.a.	S 12
M13	13 10 24	19° 4'16	29°26	9° 9	18°15	12°14	0♓ 4	5° 0	7°58	8°47	22°56	16°59	15°38	7°30	n.a.	M13
T 14	13 14 20	20° 2'01	11♉34	10°36	19°27	12°54	0°16	5° 8	7°55	8°47	22°56	16°53	15°35	7°37	n.a.	T 14
W15	13 18 17	20°59'44	23°35	12° 0	20°39	13°34	0°27	5°15	7°53	8°46	22°55	16°47	15°32	7°44	n.a.	W15
T 16	13 22 13	21°57'25	5♊30	13°20	21°51	14°14	0°39	5°23	7°51	8°46	22°55	16°41	15°29	7°50	n.a.	T 16
F 17	13 26 10	22°55'05	17°22	14°36	23° 3	14°54	0°50	5°31	7°48	8°46	22°54	16°36	15°25	7°57	n.a.	F 17
S 18	13 30 6	23°52'43	29°14	15°49	24°15	15°34	1° 2	5°39	7°46	8°46	22°54	16°32	15°22	8° 4	n.a.	S 18
S 19	13 34 3	24°50'20	11♋11	16°57	25°27	16°14	1°13	5°46	7°43	8°46	22°53	16°29	15°19	8°10	n.a.	S 19
M20	13 38 0	25°47'55	23°16	18° 2	26°39	16°54	1°24	5°54	7°41	8°45	22°52	16°D28	15°16	8°17	n.a.	M20
T 21	13 41 56	26°45'29	5♌34	19° 3	27°51	17°34	1°35	6° 2	7°39	8°45	22°52	16°28	15°13	8°24	n.a.	T 21
W22	13 45 53	27°43'01	18°10	19°59	29° 3	18°13	1°46	6°10	7°36	8°45	22°51	16°29	15° 9	8°31	n.a.	W22
T 23	13 49 49	28°40'31	1♍ 8	20°52	0♈15	18°53	1°57	6°18	7°34	8°D45	22°50	16°31	15° 6	8°37	n.a.	T 23
F 24	13 53 46	29°38'00	14°32	21°40	1°27	19°33	2° 8	6°26	7°32	8°45	22°50	16°R32	15° 3	8°44	n.a.	F 24
S 25	13 57 42	0♉35'27	28°23	22°24	2°39	20°12	2°19	6°33	7°29	8°45	22°49	16°31	15° 0	8°51	n.a.	S 25
S 26	14 1 39	1°32'53	12♎40	23° 3	3°52	20°52	2°29	6°41	7°27	8°45	22°48	16°29	14°57	8°58	n.a.	S 26
M27	14 5 35	2°30'18	27°20	23°38	5° 4	21°32	2°40	6°49	7°25	8°46	22°47	16°24	14°54	9° 4	n.a.	M27
T 28	14 9 32	3°27'42	12♏17	24° 9	6°16	22°11	2°50	6°57	7°23	8°46	22°47	16°18	14°50	9°11	n.a.	T 28
W29	14 13 29	4°25'04	27°21	24°35	7°28	22°51	3° 0	7° 5	7°21	8°46	22°46	16°11	14°47	9°18	n.a.	W29
T 30	14 17 25	5♉22'26	12♐23	24♉56	8♈40	23♉30	3♓11	7♉13	7♎18	8♌46	22♐45	16♓ 4	14♓44	9♊24	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	3n 0	21s47	4s35	7n43	0n51	11s28	1s22	13n26	0n23	13s28	1s 6	10n58	1s59	2s47	0n40	19n 0	0n47	23s44	0s12	5s 8	5s29	26n35		n.a.
T 2	3 24	25 54	5 4	8 40	1 2	11 3	1 24	13 40	0 24	13 24	1 6	11 1	1 58	2 46	0 40	19 0	0 47	23 45	0 12	5 9	5 30	26 36		n.a.
F 3	3 47	28 18	5 14	9 36	1 12	10 38	1 26	13 54	0 24	13 20	1 6	11 3	1 58	2 45	0 40	19 1	0 47	23 45	0 13	5 10	5 31	26 37		n.a.
S 4	4 10	28 47	5 4	10 30	1 22	10 13	1 27	14 8	0 25	13 16	1 6	11 6	1 58	2 44	0 40	19 1	0 47	23 45	0 13	5 11	5 33	26 39		n.a.
S 5	4 33	27 23	4 36	11 22	1 31	9 47	1 29	14 22	0 25	13 11	1 7	11 9	1 58	2 43	0 40	19 1	0 47	23 45	0 13	5 11	5 34	26 40		n.a.
M 6	4 56	24 19	3 53	12 12	1 40	9 21	1 30	14 36	0 26	13 7	1 7	11 11	1 58	2 42	0 40	19 1	0 47	23 45	0 13	5 10	5 35	26 41		n.a.
T 7	5 18	19 58	2 57	13 0	1 49	8 54	1 31	14 50	0 27	13 3	1 7	11 14	1 58	2 41	0 40	19 1	0 47	23 45	0 13	5 10	5 36	26 43		n.a.
W 8	5 41	14 42	1 52	13 46	1 57	8 28	1 32	15 4	0 27	12 59	1 7	11 17	1 58	2 40	0 40	19 1	0 47	23 45	0 13	5 9	5 37	26 44		n.a.
T 9	6 4	8 52	0 43	14 30	2 4	8 1	1 34	15 17	0 28	12 55	1 7	11 19	1 58	2 39	0 40	19 1	0 47	23 45	0 13	5 9	5 39	26 45		n.a.
F 10	6 26	2 46	0n27	15 11	2 10	7 34	1 35	15 30	0 28	12 51	1 7	11 22	1 57	2 38	0 40	19 2	0 47	23 45	0 13	5 9	5 40	26 47		n.a.
S 11	6 49	3n20	1 35	15 50	2 16	7 7	1 36	15 44	0 29	12 47	1 8	11 25	1 57	2 37	0 40	19 2	0 47	23 45	0 13	5 9	5 41	26 48		n.a.
S 12	7 11	9 13	2 37	16 26	2 21	6 39	1 37	15 57	0 29	12 42	1 8	11 28	1 57	2 36	0 40	19 2	0 47	23 45	0 13	5 10	5 42	26 49		n.a.
M13	7 33	14 41	3 30	17 0	2 25	6 11	1 37	16 10	0 30	12 38	1 8	11 30	1 57	2 35	0 40	19 2	0 47	23 45	0 14	5 12	5 44	26 50		n.a.
T 14	7 55	19 30	4 14	17 32	2 29	5 44	1 38	16 23	0 30	12 34	1 8	11 33	1 57	2 34	0 40	19 2	0 47	23 46	0 14	5 14	5 45	26 52		n.a.
W15	8 17	23 29	4 46	18 1	2 31	5 16	1 39	16 35	0 31	12 30	1 8	11 36	1 57	2 33	0 40	19 2	0 47	23 46	0 14	5 17	5 46	26 53		n.a.
T 16	8 39	26 28	5 5	18 27	2 33	4 47	1 39	16 48	0 31	12 26	1 9	11 38	1 57	2 32	0 40	19 2	0 47	23 46	0 14	5 19	5 47	26 54		n.a.
F 17	9 1	28 16	5 10	18 52	2 34	4 19	1 40	17 0	0 32	12 23	1 9	11 41	1 57	2 31	0 40	19 2	0 47	23 46	0 14	5 21	5 49	26 56		n.a.
S 18	9 22	28 46	5 3	19 13	2 34	3 51	1 40	17 13	0 32	12 19	1 9	11 44	1 57	2 30	0 40	19 2	0 47	23 46	0 14	5 23	5 50	26 57		n.a.
S 19	9 44	27 56	4 42	19 33	2 33	3 22	1 41	17 25	0 33	12 15	1 9	11 46	1 57	2 29	0 40	19 2	0 47	23 46	0 14	5 24	5 51	26 58		n.a.
M20	10 5	25 47	4 9	19 50	2 31	2 53	1 41	17 37	0 33	12 11	1 9	11 49	1 56	2 29	0 40	19 2	0 47	23 46	0 14	5 24	5 52	26 59		n.a.
T 21	10 26	22 23	3 24	20 4	2 29	2 25	1 41	17 49	0 34	12 7	1 10	11 52	1 56	2 28	0 40	19 2	0 47	23 46	0 14	5 24	5 54	27 0		n.a.
W22	10 47	17 54	2 28	20 17	2 25	1 56	1 41	18 0	0 34	12 3	1 10	11 54	1 56	2 27	0 40	19 2	0 47	23 46	0 14	5 24	5 55	27 2		n.a.
T 23	11 8	12 29	1 22	20 26	2 21	1 27	1 41	18 12	0 35	12 0	1 10	11 57	1 56	2 26	0 40	19 2	0 47	23 46	0 15	5 23	5 56	27 3		n.a.
F 24	11 28	6 19	0 11	20 34	2 15	0 58	1 41	18 23	0 35	11 56	1 10	12 0	1 56	2 25	0 40	19 2	0 47	23 46	0 15	5 23	5 57	27 4		n.a.
S 25	11 49	0s19	1s 4	20 40	2 9	0 29	1 41	18 35	0 36	11 52	1 11	12 2	1 56	2 24	0 40	19 2	0 47	23 46	0 15	5 23	5 59	27 5		n.a.
S 26	12 9	7 9	2 16	20 43	2 2	0n 0	1 41	18 46	0 36	11 49	1 11	12 5	1 56	2 23	0 40	19 2	0 47	23 46	0 15	5 24	6 0	27 6		n.a.
M27	12 29	13 47	3 22	20 44	1 53	0 30	1 41	18 57	0 37	11 45	1 11	12 8	1 56	2 22	0 40	19 2	0 47	23 46	0 15	5 26	6 1	27 8		n.a.
T 28	12 49	19 44	4 15	20 43	1 44	0 59	1 41	19 8	0 37	11 41	1 11	12 10	1 56	2 21	0 40	19 2	0 47	23 46	0 15	5 28	6 2	27 9		n.a.
W29	13 9	24 31	4 51	20 40	1 34	1 28	1 40	19 18	0 38	11 38	1 11	12 13	1 56	2 21	0 40	19 2	0 47	23 46	0 15	5 31	6 4	27 10		n.a.
T 30	13n28	27s36	5s 6	20n34	1n23	1n57	1s40	19n29	0n38	11s34	1s12	12n16	1s56	2s20	0n40	19n 2	0n47	23s47	0s15	5s33	6s 5	27n11		n.a.

Julian Day Number = 1645176.5, Delta T = 03h34m09s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°57'03, Lahiri = - 6°50'03 Julian Calendar 1 Apr. 209 BCE == Greg. Calendar 28 March 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

MAY 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 21 22	6♉19'47	27♐14	25♉13	9♈53	24♉10	3♓21	7♉21	7°R16	8♌46	22°R44	15°R58	14♓41	9♊31	n.a.	F 1
S 2	14 25 18	7°17'08	11♑48	25°25	11° 5	24°49	3°31	7°29	7♎14	8°47	22♐43	15♓54	14°38	9°38	n.a.	S 2
S 3	14 29 15	8°14'27	25°59	25°33	12°17	25°29	3°41	7°37	7°12	8°47	22°42	15°51	14°35	9°45	n.a.	S 3
M 4	14 33 11	9°11'46	9♒47	25°R36	13°30	26° 8	3°50	7°44	7°10	8°47	22°41	15°D50	14°31	9°51	n.a.	M 4
T 5	14 37 8	10° 9'05	23°12	25°34	14°42	26°48	4° 0	7°52	7° 8	8°48	22°40	15°51	14°28	9°58	n.a.	T 5
W 6	14 41 5	11° 6'22	6♓17	25°28	15°54	27°27	4° 9	8° 0	7° 6	8°48	22°39	15°52	14°25	10° 5	n.a.	W 6
T 7	14 45 1	12° 3'39	19° 4	25°18	17° 7	28° 6	4°19	8° 8	7° 4	8°48	22°38	15°R52	14°22	10°11	n.a.	T 7
F 8	14 48 58	13° 0'56	1♈38	25° 4	18°19	28°46	4°28	8°16	7° 2	8°49	22°37	15°51	14°19	10°18	n.a.	F 8
S 9	14 52 54	13°58'12	14° 0	24°46	19°32	29°25	4°37	8°24	7° 0	8°49	22°36	15°47	14°15	10°25	n.a.	S 9
S 10	14 56 51	14°55'27	26°13	24°24	20°44	0♊ 4	4°46	8°32	6°59	8°50	22°35	15°41	14°12	10°32	n.a.	S 10
M11	15 0 47	15°52'41	8♉18	23°59	21°57	0°43	4°55	8°40	6°57	8°50	22°34	15°33	14° 9	10°38	n.a.	M11
T 12	15 4 44	16°49'56	20°18	23°31	23° 9	1°23	5° 4	8°47	6°55	8°51	22°33	15°23	14° 6	10°45	n.a.	T 12
W13	15 8 40	17°47'09	2♊14	23° 1	24°22	2° 2	5°12	8°55	6°53	8°52	22°32	15°11	14° 3	10°52	n.a.	W13
T 14	15 12 37	18°44'22	14° 6	22°30	25°34	2°41	5°21	9° 3	6°52	8°52	22°31	14°59	14° 0	10°59	n.a.	T 14
F 15	15 16 34	19°41'34	25°58	21°56	26°47	3°20	5°29	9°11	6°50	8°53	22°30	14°48	13°56	11° 5	n.a.	F 15
S 16	15 20 30	20°38'45	7♋50	21°23	27°59	3°59	5°37	9°19	6°48	8°54	22°28	14°39	13°53	11°12	n.a.	S 16
S 17	15 24 27	21°35'56	19°47	20°49	29°12	4°38	5°46	9°27	6°47	8°54	22°27	14°33	13°50	11°19	n.a.	S 17
M18	15 28 23	22°33'06	1♌51	20°15	0♉25	5°18	5°53	9°34	6°45	8°55	22°26	14°28	13°47	11°25	n.a.	M18
T 19	15 32 20	23°30'15	14° 7	19°43	1°37	5°57	6° 1	9°42	6°44	8°56	22°25	14°26	13°44	11°32	n.a.	T 19
W20	15 36 16	24°27'24	26°39	19°11	2°50	6°36	6° 9	9°50	6°42	8°57	22°24	14°D26	13°41	11°39	n.a.	W20
T 21	15 40 13	25°24'31	9♍33	18°43	4° 3	7°15	6°16	9°58	6°41	8°58	22°22	14°R26	13°37	11°46	n.a.	T 21
F 22	15 44 9	26°21'39	22°52	18°16	5°15	7°54	6°24	10° 5	6°40	8°59	22°21	14°26	13°34	11°52	n.a.	F 22
S 23	15 48 6	27°18'45	6♎39	17°53	6°28	8°33	6°31	10°13	6°38	9° 0	22°20	14°25	13°31	11°59	n.a.	S 23
S 24	15 52 3	28°15'51	20°56	17°33	7°41	9°12	6°38	10°21	6°37	9° 1	22°18	14°21	13°28	12° 6	n.a.	S 24
M25	15 55 59	29°12'57	5♏39	17°17	8°54	9°50	6°45	10°28	6°36	9° 2	22°17	14°14	13°25	12°13	n.a.	M25
T 26	15 59 56	0♊10'02	20°44	17° 5	10° 6	10°29	6°52	10°36	6°35	9° 3	22°16	14° 5	13°21	12°19	n.a.	T 26
W27	16 3 52	1° 7'07	6♐ 1	16°57	11°19	11° 8	6°58	10°43	6°33	9° 4	22°14	13°55	13°18	12°26	n.a.	W27
T 28	16 7 49	2° 4'12	21°19	16°D54	12°32	11°47	7° 5	10°51	6°32	9° 5	22°13	13°45	13°15	12°33	n.a.	T 28
F 29	16 11 45	3° 1'18	6♑27	16°56	13°45	12°26	7°11	10°59	6°31	9° 6	22°12	13°36	13°12	12°39	n.a.	F 29
S 30	16 15 42	3°58'23	21°15	17° 2	14°58	13° 5	7°17	11° 6	6°30	9° 7	22°10	13°29	13° 9	12°46	n.a.	S 30
S 31	16 19 39	4♊55'28	5♒37	17♉13	16♉11	13♊44	7♓23	11♉14	6♎29	9♌ 8	22♐ 9	13♓24	13♓ 6	12♊53	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n47	28s43	5s 1	20n27	1n11	2n26	1s39	19n39	0n38	11s31	1s12	12n18	1s56	2s19	0n40	19n 2	0n47	23s47	0s15	5s36	6s 6	27n12		n.a.
S 2	14 6	27 47	4 36	20 18	0 59	2 56	1 39	19 50	0 39	11 27	1 12	12 21	1 56	2 18	0 40	19 2	0 47	23 47	0 15	5 38	6 7	27 13		n.a.
S 3	14 25	25 3	3 55	20 6	0 45	3 25	1 38	20 0	0 39	11 24	1 12	12 24	1 56	2 17	0 39	19 2	0 47	23 47	0 16	5 39	6 9	27 14		n.a.
M 4	14 44	20 55	3 1	19 53	0 31	3 54	1 37	20 10	0 40	11 21	1 13	12 26	1 56	2 16	0 39	19 1	0 47	23 47	0 16	5 39	6 10	27 16		n.a.
T 5	15 2	15 49	1 59	19 38	0 16	4 23	1 36	20 19	0 40	11 17	1 13	12 29	1 55	2 16	0 39	19 1	0 47	23 47	0 16	5 39	6 11	27 17		n.a.
W 6	15 20	10 6	0 51	19 22	0 1	4 52	1 36	20 29	0 41	11 14	1 13	12 31	1 55	2 15	0 39	19 1	0 47	23 47	0 16	5 38	6 12	27 18		n.a.
T 7	15 38	4 7	0n17	19 4	0s16	5 21	1 35	20 38	0 41	11 11	1 13	12 34	1 55	2 14	0 39	19 1	0 47	23 47	0 16	5 38	6 14	27 19		n.a.
F 8	15 56	1n56	1 23	18 44	0 32	5 49	1 34	20 48	0 42	11 8	1 14	12 37	1 55	2 13	0 39	19 1	0 47	23 47	0 16	5 39	6 15	27 20		n.a.
S 9	16 13	7 48	2 24	18 24	0 49	6 18	1 33	20 57	0 42	11 4	1 14	12 39	1 55	2 13	0 39	19 1	0 46	23 47	0 16	5 40	6 16	27 21		n.a.
S 10	16 30	13 18	3 18	18 2	1 6	6 47	1 31	21 6	0 42	11 1	1 14	12 42	1 55	2 12	0 39	19 1	0 46	23 47	0 16	5 42	6 17	27 22		n.a.
M11	16 47	18 15	4 2	17 39	1 23	7 15	1 30	21 14	0 43	10 58	1 14	12 44	1 55	2 11	0 39	19 0	0 46	23 47	0 16	5 46	6 18	27 23		n.a.
T 12	17 4	22 26	4 35	17 16	1 40	7 44	1 29	21 23	0 43	10 55	1 15	12 47	1 55	2 11	0 39	19 0	0 46	23 47	0 16	5 50	6 20	27 24		n.a.
W13	17 20	25 40	4 55	16 52	1 56	8 12	1 28	21 32	0 44	10 52	1 15	12 49	1 55	2 10	0 39	19 0	0 46	23 47	0 17	5 54	6 21	27 25		n.a.
T 14	17 36	27 46	5 2	16 29	2 13	8 40	1 26	21 40	0 44	10 49	1 15	12 52	1 55	2 9	0 39	19 0	0 46	23 47	0 17	5 59	6 22	27 26		n.a.
F 15	17 52	28 36	4 57	16 5	2 28	9 8	1 25	21 48	0 44	10 47	1 15	12 54	1 55	2 9	0 39	19 0	0 46	23 47	0 17	6 3	6 23	27 27		n.a.
S 16	18 7	28 7	4 38	15 42	2 43	9 35	1 23	21 56	0 45	10 44	1 16	12 57	1 55	2 8	0 39	19 0	0 46	23 47	0 17	6 7	6 25	27 28		n.a.
S 17	18 23	26 20	4 8	15 19	2 57	10 3	1 22	22 4	0 45	10 41	1 16	12 59	1 55	2 8	0 39	18 59	0 46	23 47	0 17	6 9	6 26	27 29		n.a.
M18	18 38	23 19	3 26	14 58	3 11	10 30	1 20	22 11	0 46	10 38	1 16	13 2	1 55	2 7	0 39	18 59	0 46	23 47	0 17	6 11	6 27	27 30		n.a.
T 19	18 52	19 14	2 34	14 37	3 23	10 57	1 19	22 19	0 46	10 36	1 17	13 4	1 55	2 6	0 39	18 59	0 46	23 47	0 17	6 12	6 28	27 31		n.a.
W20	19 6	14 14	1 33	14 18	3 34	11 24	1 17	22 26	0 46	10 33	1 17	13 7	1 55	2 6	0 39	18 59	0 46	23 47	0 17	6 12	6 30	27 32		n.a.
T 21	19 20	8 29	0 26	14 1	3 43	11 50	1 15	22 33	0 47	10 30	1 17	13 9	1 55	2 5	0 39	18 58	0 46	23 47	0 17	6 12	6 31	27 33		n.a.
F 22	19 34	2 11	0s45	13 46	3 52	12 16	1 14	22 40	0 47	10 28	1 17	13 12	1 55	2 5	0 39	18 58	0 46	23 47	0 17	6 12	6 32	27 34		n.a.
S 23	19 47	4s26	1 55	13 33	3 59	12 42	1 12	22 46	0 48	10 26	1 18	13 14	1 55	2 4	0 39	18 58	0 46	23 47	0 18	6 12	6 33	27 35		n.a.
S 24	20 1	11 3	3 0	13 22	4 4	13 8	1 10	22 53	0 48	10 23	1 18	13 17	1 55	2 4	0 39	18 58	0 46	23 47	0 18	6 14	6 35	27 36		n.a.
M25	20 13	17 16	3 56	13 13	4 9	13 34	1 8	22 59	0 48	10 21	1 18	13 19	1 55	2 3	0 39	18 57	0 46	23 47	0 18	6 17	6 36	27 37		n.a.
T 26	20 26	22 35	4 37	13 7	4 12	13 59	1 6	23 5	0 49	10 19	1 19	13 21	1 55	2 3	0 39	18 57	0 46	23 47	0 18	6 20	6 37	27 38		n.a.
W27	20 38	26 27	4 58	13 3	4 13	14 23	1 4	23 11	0 49	10 16	1 19	13 24	1 55	2 3	0 39	18 57	0 46	23 47	0 18	6 24	6 38	27 39		n.a.
T 28	20 49	28 24	4 58	13 2	4 13	14 48	1 2	23 17	0 50	10 14	1 19	13 26	1 55	2 2	0 39	18 56	0 46	23 48	0 18	6 28	6 39	27 40		n.a.
F 29	21 1	28 11	4 38	13 3	4 12	15 12	1 0	23 23	0 50	10 12	1 19	13 28	1 55	2 2	0 39	18 56	0 46	23 48	0 18	6 31	6 41	27 41		n.a.
S 30	21 12	25 57	3 58	13 7	4 10	15 36	0 58	23 28	0 50	10 10	1 20	13 31	1 55	2 1	0 39	18 56	0 46	23 48	0 18	6 34	6 42	27 42		n.a.
S 31	21n22	22s 5	3s 5	13n13	4s 7	15n59	0s56	23n33	0n51	10s 8	1s20	13n33	1s55	2s 1	0n39	18n55	0n46	23s48	0s18	6s36	6s43	27n43		n.a.

Julian Day Number = 1645206.5, Delta T = 03h34m08s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'59, Lahiri = - 6°49'59 Julian Calendar 1 May 209 BCE == Greg. Calendar 27 Apr. 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

JUNE 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 23 35	5♊52'34	19♒32	17♉29	17♉24	14♊22	7♓29	11♉21	6°R29	9♌ 9	22°R 8	13°R22	13♓ 2	13♊ 0	n.a.	M 1
T 2	16 27 32	6°49'39	2♓59	17°50	18°37	15° 1	7°35	11°28	6♎28	9°11	22♐ 6	13♓21	12°59	13° 6	n.a.	T 2
W 3	16 31 28	7°46'46	16° 1	18°16	19°50	15°40	7°40	11°36	6°27	9°12	22° 5	13°21	12°56	13°13	n.a.	W 3
T 4	16 35 25	8°43'52	28°43	18°47	21° 3	16°19	7°46	11°43	6°26	9°13	22° 4	13°20	12°53	13°20	n.a.	T 4
F 5	16 39 21	9°40'59	11♈ 8	19°23	22°16	16°57	7°51	11°50	6°25	9°14	22° 2	13°18	12°50	13°27	n.a.	F 5
S 6	16 43 18	10°38'06	23°21	20° 4	23°29	17°36	7°56	11°58	6°25	9°16	22° 1	13°14	12°47	13°33	n.a.	S 6
S 7	16 47 14	11°35'14	5♉24	20°49	24°42	18°15	8° 1	12° 5	6°24	9°17	21°59	13° 6	12°43	13°40	n.a.	S 7
M 8	16 51 11	12°32'22	17°22	21°39	25°55	18°54	8° 6	12°12	6°24	9°18	21°58	12°56	12°40	13°47	n.a.	M 8
T 9	16 55 8	13°29'30	29°16	22°34	27° 8	19°32	8°10	12°19	6°23	9°20	21°56	12°44	12°37	13°53	n.a.	T 9
W10	16 59 4	14°26'39	11♊ 8	23°34	28°21	20°11	8°14	12°27	6°23	9°21	21°55	12°30	12°34	14° 0	n.a.	W10
T 11	17 3 1	15°23'48	23° 0	24°38	29°34	20°49	8°19	12°34	6°22	9°23	21°54	12°16	12°31	14° 7	n.a.	T 11
F 12	17 6 57	16°20'58	4♋53	25°46	0♊48	21°28	8°23	12°41	6°22	9°24	21°52	12° 3	12°27	14°14	n.a.	F 12
S 13	17 10 54	17°18'08	16°49	26°59	2° 1	22° 7	8°26	12°48	6°22	9°26	21°51	11°52	12°24	14°20	n.a.	S 13
S 14	17 14 50	18°15'18	28°49	28°16	3°14	22°45	8°30	12°55	6°21	9°27	21°49	11°43	12°21	14°27	n.a.	S 14
M15	17 18 47	19°12'28	10♌57	29°38	4°28	23°24	8°33	13° 2	6°21	9°29	21°48	11°38	12°18	14°34	n.a.	M15
T 16	17 22 43	20° 9'39	23°15	1♊ 4	5°41	24° 2	8°37	13° 8	6°21	9°30	21°46	11°35	12°15	14°41	n.a.	T 16
W17	17 26 40	21° 6'50	5♍48	2°34	6°54	24°41	8°40	13°15	6°21	9°32	21°45	11°34	12°12	14°47	n.a.	W17
T 18	17 30 37	22° 4'01	18°39	4° 8	8° 8	25°19	8°42	13°22	6°D21	9°33	21°43	11°33	12° 8	14°54	n.a.	T 18
F 19	17 34 33	23° 1'12	1♎53	5°45	9°21	25°58	8°45	13°29	6°21	9°35	21°42	11°33	12° 5	15° 1	n.a.	F 19
S 20	17 38 30	23°58'24	15°33	7°27	10°34	26°36	8°48	13°35	6°21	9°37	21°40	11°32	12° 2	15° 7	n.a.	S 20
S 21	17 42 26	24°55'36	29°41	9°12	11°48	27°15	8°50	13°42	6°21	9°38	21°39	11°28	11°59	15°14	n.a.	S 21
M22	17 46 23	25°52'49	14♏17	11° 0	13° 1	27°53	8°52	13°49	6°21	9°40	21°37	11°22	11°56	15°21	n.a.	M22
T 23	17 50 19	26°50'02	29°15	12°51	14°15	28°32	8°54	13°55	6°22	9°42	21°36	11°14	11°52	15°28	n.a.	T 23
W24	17 54 16	27°47'16	14♐28	14°46	15°28	29°10	8°56	14° 2	6°22	9°44	21°35	11° 4	11°49	15°34	n.a.	W24
T 25	17 58 13	28°44'31	29°46	16°42	16°42	29°49	8°57	14° 8	6°22	9°45	21°33	10°54	11°46	15°41	n.a.	T 25
F 26	18 2 9	29°41'46	14♑58	18°41	17°55	0♋27	8°59	14°14	6°23	9°47	21°32	10°45	11°43	15°48	n.a.	F 26
S 27	18 6 6	0♋39'02	29°54	20°42	19° 9	1° 6	9° 0	14°21	6°23	9°49	21°30	10°38	11°40	15°54	n.a.	S 27
S 28	18 10 2	1°36'20	14♒24	22°45	20°23	1°44	9° 1	14°27	6°24	9°51	21°29	10°33	11°37	16° 1	n.a.	S 28
M29	18 13 59	2°33'38	28°27	24°48	21°36	2°22	9° 2	14°33	6°24	9°53	21°27	10°31	11°33	16° 8	n.a.	M29
T 30	18 17 55	3♋30'57	12♓ 0	26♊53	22♊50	3♋ 1	9♓ 2	14♉39	6♎25	9♌55	21♐26	10°D30	11♓30	16♊15	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n32	17s 4	2s 2	13n22	4s 3	16n22	0s54	23n38	0n51	10s 6	1s20	13n35	1s55	2s 1	0n39	18n55	0n46	23s48	0s18	6s37	6s44	27n44		n.a.
T 2	21 42	11 23	0 55	13 33	3 57	16 45	0 51	23 43	0 51	10 4	1 21	13 38	1 55	2 0	0 39	18 55	0 46	23 48	0 19	6 37	6 46	27 45		n.a.
W 3	21 52	5 22	0n14	13 46	3 51	17 7	0 49	23 48	0 52	10 2	1 21	13 40	1 55	2 0	0 38	18 54	0 46	23 48	0 19	6 37	6 47	27 45		n.a.
T 4	22 1	0n43	1 20	14 2	3 44	17 29	0 47	23 52	0 52	10 1	1 21	13 42	1 55	2 0	0 38	18 54	0 46	23 48	0 19	6 37	6 48	27 46		n.a.
F 5	22 10	6 37	2 21	14 19	3 36	17 50	0 45	23 57	0 52	9 59	1 22	13 44	1 55	2 0	0 38	18 54	0 46	23 48	0 19	6 38	6 49	27 47		n.a.
S 6	22 18	12 10	3 14	14 38	3 27	18 11	0 42	24 1	0 53	9 57	1 22	13 47	1 55	1 59	0 38	18 53	0 46	23 48	0 19	6 40	6 51	27 48		n.a.
S 7	22 26	17 12	3 58	15 0	3 18	18 31	0 40	24 5	0 53	9 56	1 22	13 49	1 55	1 59	0 38	18 53	0 46	23 48	0 19	6 43	6 52	27 49		n.a.
M 8	22 34	21 32	4 31	15 22	3 8	18 51	0 38	24 8	0 53	9 54	1 22	13 51	1 55	1 59	0 38	18 53	0 46	23 48	0 19	6 47	6 53	27 50		n.a.
T 9	22 41	24 58	4 51	15 47	2 57	19 11	0 35	24 12	0 54	9 53	1 23	13 53	1 56	1 59	0 38	18 52	0 46	23 48	0 19	6 52	6 54	27 51		n.a.
W10	22 48	27 19	4 59	16 12	2 46	19 30	0 33	24 15	0 54	9 52	1 23	13 55	1 56	1 59	0 38	18 52	0 46	23 48	0 19	6 57	6 55	27 51		n.a.
T 11	22 55	28 26	4 54	16 39	2 34	19 48	0 30	24 18	0 54	9 50	1 23	13 57	1 56	1 59	0 38	18 51	0 46	23 48	0 19	7 2	6 57	27 52		n.a.
F 12	23 1	28 14	4 36	17 7	2 22	20 6	0 28	24 21	0 55	9 49	1 24	13 59	1 56	1 58	0 38	18 51	0 46	23 48	0 20	7 7	6 58	27 53		n.a.
S 13	23 7	26 43	4 6	17 36	2 10	20 24	0 26	24 24	0 55	9 48	1 24	14 2	1 56	1 58	0 38	18 51	0 46	23 48	0 20	7 12	6 59	27 54		n.a.
S 14	23 12	23 59	3 25	18 6	1 58	20 40	0 23	24 27	0 55	9 47	1 24	14 4	1 56	1 58	0 38	18 50	0 46	23 48	0 20	7 15	7 0	27 55		n.a.
M15	23 17	20 9	2 34	18 36	1 45	20 57	0 21	24 29	0 56	9 46	1 25	14 6	1 56	1 58	0 38	18 50	0 46	23 48	0 20	7 17	7 2	27 55		n.a.
T 16	23 21	15 25	1 35	19 7	1 32	21 12	0 18	24 31	0 56	9 45	1 25	14 8	1 56	1 58	0 38	18 49	0 46	23 48	0 20	7 18	7 3	27 56		n.a.
W17	23 25	9 58	0 30	19 38	1 19	21 28	0 16	24 33	0 56	9 44	1 25	14 10	1 56	1 58	0 38	18 49	0 46	23 48	0 20	7 19	7 4	27 57		n.a.
T 18	23 29	3 58	0s37	20 9	1 6	21 42	0 13	24 35	0 57	9 43	1 26	14 12	1 56	1 58	0 38	18 48	0 46	23 48	0 20	7 19	7 5	27 58		n.a.
F 19	23 32	2s22	1 45	20 39	0 53	21 56	0 11	24 37	0 57	9 43	1 26	14 14	1 56	1 58	0 38	18 48	0 46	23 48	0 20	7 19	7 6	27 58		n.a.
S 20	23 35	8 48	2 50	21 9	0 40	22 9	0 8	24 38	0 57	9 42	1 26	14 16	1 56	1 58	0 38	18 48	0 46	23 48	0 20	7 19	7 8	27 59		n.a.
S 21	23 37	15 0	3 45	21 39	0 27	22 22	0 6	24 39	0 58	9 41	1 27	14 17	1 56	1 58	0 38	18 47	0 46	23 48	0 20	7 21	7 9	28 0		n.a.
M22	23 39	20 35	4 29	22 7	0 15	22 34	0 3	24 40	0 58	9 41	1 27	14 19	1 56	1 59	0 38	18 47	0 46	23 48	0 20	7 23	7 10	28 1		n.a.
T 23	23 41	25 1	4 55	22 34	0 3	22 46	0 1	24 41	0 58	9 40	1 27	14 21	1 56	1 59	0 38	18 46	0 46	23 48	0 21	7 26	7 11	28 1		n.a.
W24	23 42	27 47	5 1	23 0	0n 9	22 57	0n 1	24 42	0 59	9 40	1 28	14 23	1 56	1 59	0 38	18 46	0 46	23 48	0 21	7 30	7 13	28 2		n.a.
T 25	23 43	28 29	4 45	23 23	0 20	23 7	0 4	24 42	0 59	9 40	1 28	14 25	1 57	1 59	0 38	18 45	0 46	23 48	0 21	7 34	7 14	28 3		n.a.
F 26	23 43	27 0	4 10	23 45	0 31	23 16	0 6	24 42	0 59	9 40	1 28	14 27	1 57	1 59	0 38	18 45	0 46	23 48	0 21	7 37	7 15	28 3		n.a.
S 27	23 43	23 38	3 18	24 5	0 41	23 25	0 9	24 42	0 59	9 39	1 29	14 29	1 57	1 59	0 38	18 44	0 46	23 48	0 21	7 40	7 16	28 4		n.a.
S 28	23 43	18 50	2 14	24 22	0 51	23 33	0 11	24 42	1 0	9 39	1 29	14 30	1 57	2 0	0 38	18 44	0 46	23 48	0 21	7 42	7 17	28 5		n.a.
M29	23 42	13 9	1 4	24 37	1 0	23 41	0 14	24 42	1 0	9 39	1 29	14 32	1 57	2 0	0 37	18 43	0 46	23 48	0 21	7 43	7 19	28 5		n.a.
T 30	23n41	7s 1	0n 8	24n49	1n 8	23n47	0n16	24n42	1n 0	9s39	1s30	14n34	1s57	2s 0	0n37	18n43	0n46	23s48	0s21	7s43	7s20	28n 6		n.a.

Julian Day Number = 1645237.5, Delta T = 03h34m07s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'55, Lahiri = - 6°49'55 Julian Calendar 1 June 209 BCE == Greg. Calendar 28 May 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

JULY 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 21 52	4♋28'18	25♓ 7	28♊58	24♊ 4	3♋39	9♓ 3	14♉45	6♎25	9♏56	21°R25	10♓31	11♓27	16♊21	n.a.	W 1
T 2	18 25 48	5°25'40	7♈50	1♋ 4	25°17	4°17	9°R 3	14°51	6°26	9°58	21♐23	10°R31	11°24	16°28	n.a.	T 2
F 3	18 29 45	6°23'03	20°14	3° 9	26°31	4°56	9° 3	14°57	6°27	10° 0	21°22	10°30	11°21	16°35	n.a.	F 3
S 4	18 33 42	7°20'28	2♉24	5°14	27°45	5°34	9° 2	15° 3	6°28	10° 2	21°20	10°27	11°18	16°42	n.a.	S 4
S 5	18 37 38	8°17'54	14°24	7°19	28°59	6°13	9° 2	15° 9	6°28	10° 4	21°19	10°22	11°14	16°48	n.a.	S 5
M 6	18 41 35	9°15'22	26°18	9°23	0♋13	6°51	9° 1	15°15	6°29	10° 6	21°18	10°14	11°11	16°55	n.a.	M 6
T 7	18 45 31	10°12'50	8♊ 9	11°27	1°27	7°29	9° 1	15°20	6°30	10° 8	21°16	10° 4	11° 8	17° 2	n.a.	T 7
W 8	18 49 28	11°10'20	20° 1	13°29	2°41	8° 8	9° 0	15°26	6°31	10°10	21°15	9°53	11° 5	17° 8	n.a.	W 8
T 9	18 53 24	12° 7'52	1♋55	15°30	3°55	8°46	8°58	15°32	6°32	10°12	21°14	9°42	11° 2	17°15	n.a.	T 9
F 10	18 57 21	13° 5'25	13°53	17°30	5° 8	9°24	8°57	15°37	6°33	10°14	21°12	9°32	10°59	17°22	n.a.	F 10
S 11	19 1 17	14° 2'59	25°56	19°29	6°22	10° 2	8°55	15°42	6°35	10°16	21°11	9°23	10°55	17°29	n.a.	S 11
S 12	19 5 14	15° 0'34	8♌ 5	21°26	7°37	10°41	8°54	15°48	6°36	10°18	21°10	9°17	10°52	17°35	n.a.	S 12
M13	19 9 11	15°58'10	20°23	23°22	8°51	11°19	8°52	15°53	6°37	10°20	21° 8	9°13	10°49	17°42	n.a.	M13
T 14	19 13 7	16°55'48	2♍51	25°17	10° 5	11°57	8°49	15°58	6°38	10°22	21° 7	9°11	10°46	17°49	n.a.	T 14
W15	19 17 4	17°53'26	15°31	27°10	11°19	12°36	8°47	16° 3	6°40	10°24	21° 6	9°D11	10°43	17°56	n.a.	W15
T 16	19 21 0	18°51'06	28°28	29° 2	12°33	13°14	8°45	16° 8	6°41	10°26	21° 4	9°12	10°39	18° 2	n.a.	T 16
F 17	19 24 57	19°48'47	11♎42	0♌52	13°47	13°52	8°42	16°13	6°43	10°29	21° 3	9°13	10°36	18° 9	n.a.	F 17
S 18	19 28 53	20°46'29	25°18	2°41	15° 1	14°30	8°39	16°18	6°44	10°31	21° 2	9°R13	10°33	18°16	n.a.	S 18
S 19	19 32 50	21°44'12	9♏17	4°28	16°15	15° 8	8°36	16°23	6°46	10°33	21° 1	9°11	10°30	18°22	n.a.	S 19
M20	19 36 46	22°41'57	23°39	6°14	17°30	15°47	8°32	16°27	6°47	10°35	21° 0	9° 8	10°27	18°29	n.a.	M20
T 21	19 40 43	23°39'43	8♐20	7°59	18°44	16°25	8°29	16°32	6°49	10°37	20°58	9° 3	10°24	18°36	n.a.	T 21
W22	19 44 40	24°37'30	23°16	9°42	19°58	17° 3	8°25	16°37	6°51	10°39	20°57	8°57	10°20	18°43	n.a.	W22
T 23	19 48 36	25°35'19	8♑19	11°24	21°12	17°41	8°21	16°41	6°52	10°41	20°56	8°51	10°17	18°49	n.a.	T 23
F 24	19 52 33	26°33'09	23°19	13° 4	22°27	18°20	8°17	16°45	6°54	10°44	20°55	8°45	10°14	18°56	n.a.	F 24
S 25	19 56 29	27°31'01	8♒ 8	14°43	23°41	18°58	8°13	16°50	6°56	10°46	20°54	8°40	10°11	19° 3	n.a.	S 25
S 26	20 0 26	28°28'54	22°37	16°21	24°55	19°36	8° 9	16°54	6°58	10°48	20°53	8°37	10° 8	19°10	n.a.	S 26
M27	20 4 22	29°26'49	6♓41	17°58	26°10	20°14	8° 4	16°58	7° 0	10°50	20°52	8°D36	10° 5	19°16	n.a.	M27
T 28	20 8 19	0♌24'46	20°19	19°33	27°24	20°52	7°59	17° 2	7° 2	10°52	20°51	8°37	10° 1	19°23	n.a.	T 28
W29	20 12 15	1°22'45	3♈30	21° 6	28°39	21°31	7°54	17° 6	7° 4	10°55	20°50	8°38	9°58	19°30	n.a.	W29
T 30	20 16 12	2°20'46	16°18	22°39	29°53	22° 9	7°49	17°10	7° 6	10°57	20°49	8°39	9°55	19°36	n.a.	T 30
F 31	20 20 9	3♌18'49	28♈45	24♌10	1♌ 7	22♋47	7♓44	17♉13	7♎ 8	10♌59	20♐48	8°R40	9♓52	19♊43	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n39	0s47	1n17	24n58	1n15	23n54	0n18	24n41	1n 1	9s40	1s30	14n35	1s57	2s 0	0n37	18n42	0n46	23s48	0s21	7s43	7s21	28n 7		n.a.
T 2	23 37	5n17	2 20	25 5	1 22	23 59	0 21	24 40	1 1	9 40	1 30	14 37	1 57	2 1	0 37	18 42	0 46	23 48	0 21	7 43	7 22	28 7		n.a.
F 3	23 34	11 0	3 15	25 9	1 28	24 4	0 23	24 39	1 1	9 40	1 31	14 39	1 57	2 1	0 37	18 41	0 46	23 48	0 22	7 43	7 24	28 8		n.a.
S 4	23 31	16 11	4 0	25 10	1 33	24 7	0 25	24 38	1 1	9 41	1 31	14 40	1 57	2 1	0 37	18 41	0 46	23 48	0 22	7 44	7 25	28 9		n.a.
S 5	23 28	20 41	4 33	25 8	1 37	24 11	0 28	24 36	1 2	9 41	1 31	14 42	1 58	2 2	0 37	18 40	0 46	23 48	0 22	7 46	7 26	28 9		n.a.
M 6	23 24	24 19	4 55	25 4	1 41	24 13	0 30	24 34	1 2	9 42	1 32	14 44	1 58	2 2	0 37	18 40	0 46	23 48	0 22	7 49	7 27	28 10		n.a.
T 7	23 19	26 55	5 3	24 57	1 44	24 15	0 32	24 33	1 2	9 42	1 32	14 45	1 58	2 3	0 37	18 39	0 46	23 48	0 22	7 53	7 28	28 10		n.a.
W 8	23 15	28 18	4 59	24 47	1 46	24 16	0 34	24 31	1 2	9 43	1 32	14 47	1 58	2 3	0 37	18 38	0 46	23 48	0 22	7 57	7 30	28 11		n.a.
T 9	23 10	28 24	4 41	24 35	1 47	24 16	0 36	24 28	1 3	9 44	1 33	14 48	1 58	2 4	0 37	18 38	0 46	23 48	0 22	8 1	7 31	28 12		n.a.
F 10	23 4	27 9	4 11	24 21	1 48	24 16	0 38	24 26	1 3	9 44	1 33	14 50	1 58	2 4	0 37	18 37	0 46	23 48	0 22	8 5	7 32	28 12		n.a.
S 11	22 58	24 39	3 30	24 4	1 48	24 15	0 41	24 23	1 3	9 45	1 33	14 51	1 58	2 5	0 37	18 37	0 46	23 48	0 22	8 9	7 33	28 13		n.a.
S 12	22 52	21 1	2 39	23 46	1 48	24 13	0 43	24 20	1 3	9 46	1 34	14 53	1 58	2 5	0 37	18 36	0 46	23 48	0 22	8 11	7 35	28 13		n.a.
M13	22 45	16 26	1 39	23 25	1 46	24 10	0 45	24 17	1 4	9 47	1 34	14 54	1 58	2 6	0 37	18 36	0 46	23 48	0 22	8 13	7 36	28 14		n.a.
T 14	22 38	11 6	0 34	23 3	1 45	24 7	0 47	24 14	1 4	9 48	1 34	14 55	1 59	2 6	0 37	18 35	0 46	23 48	0 23	8 13	7 37	28 14		n.a.
W15	22 31	5 15	0s34	22 39	1 43	24 3	0 49	24 11	1 4	9 50	1 34	14 57	1 59	2 7	0 37	18 35	0 46	23 48	0 23	8 13	7 38	28 15		n.a.
T 16	22 23	0s56	1 42	22 14	1 40	23 58	0 51	24 7	1 4	9 51	1 35	14 58	1 59	2 7	0 37	18 34	0 46	23 48	0 23	8 13	7 39	28 15		n.a.
F 17	22 14	7 13	2 46	21 47	1 37	23 52	0 52	24 4	1 5	9 52	1 35	14 59	1 59	2 8	0 37	18 33	0 46	23 48	0 23	8 13	7 41	28 16		n.a.
S 18	22 6	13 21	3 42	21 18	1 33	23 46	0 54	24 0	1 5	9 54	1 35	15 1	1 59	2 9	0 37	18 33	0 46	23 48	0 23	8 13	7 42	28 17		n.a.
S 19	21 57	18 58	4 27	20 49	1 29	23 39	0 56	23 56	1 5	9 55	1 36	15 2	1 59	2 9	0 37	18 32	0 46	23 48	0 23	8 13	7 43	28 17		n.a.
M20	21 47	23 41	4 57	20 18	1 25	23 31	0 58	23 52	1 5	9 57	1 36	15 3	1 59	2 10	0 37	18 32	0 46	23 48	0 23	8 14	7 44	28 18		n.a.
T 21	21 37	27 1	5 8	19 46	1 20	23 23	0 59	23 47	1 6	9 58	1 36	15 4	1 59	2 11	0 37	18 31	0 46	23 48	0 23	8 16	7 46	28 18		n.a.
W22	21 27	28 31	4 59	19 14	1 15	23 14	1 1	23 42	1 6	10 0	1 37	15 5	2 0	2 11	0 37	18 30	0 46	23 48	0 23	8 18	7 47	28 18		n.a.
T 23	21 17	27 56	4 29	18 40	1 9	23 4	1 3	23 38	1 6	10 2	1 37	15 7	2 0	2 12	0 37	18 30	0 46	23 48	0 23	8 21	7 48	28 19		n.a.
F 24	21 6	25 18	3 40	18 6	1 4	22 53	1 4	23 33	1 6	10 4	1 37	15 8	2 0	2 13	0 37	18 29	0 46	23 48	0 23	8 23	7 49	28 19		n.a.
S 25	20 54	20 59	2 37	17 31	0 57	22 42	1 6	23 28	1 6	10 5	1 37	15 9	2 0	2 14	0 36	18 29	0 46	23 48	0 24	8 25	7 50	28 20		n.a.
S 26	20 43	15 29	1 26	16 56	0 51	22 30	1 7	23 22	1 7	10 7	1 38	15 10	2 0	2 14	0 36	18 28	0 46	23 48	0 24	8 26	7 52	28 20		n.a.
M27	20 30	9 19	0 10	16 20	0 44	22 17	1 9	23 17	1 7	10 9	1 38	15 11	2 0	2 15	0 36	18 27	0 46	23 48	0 24	8 26	7 53	28 21		n.a.
T 28	20 18	2 55	1n 3	15 43	0 38	22 4	1 10	23 11	1 7	10 11	1 38	15 12	2 0	2 16	0 36	18 27	0 46	23 48	0 24	8 26	7 54	28 21		n.a.
W29	20 5	3n25	2 11	15 7	0 30	21 50	1 11	23 5	1 7	10 13	1 39	15 13	2 1	2 17	0 36	18 26	0 46	23 48	0 24	8 26	7 55	28 22		n.a.
T 30	19 52	9 24	3 11	14 29	0 23	21 36	1 13	22 59	1 8	10 16	1 39	15 14	2 1	2 18	0 36	18 26	0 46	23 48	0 24	8 25	7 56	28 22		n.a.
F 31	19n39	14n53	3n59	13n52	0n16	21n21	1n14	22n53	1n 8	10s18	1s39	15n15	2s 1	2s19	0n36	18n25	0n46	23s48	0s24	8s25	7s58	28n22		n.a.

Julian Day Number = 1645267.5, Delta T = 03h34m06s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'51, Lahiri = - 6°49'50 Julian Calendar 1 July 209 BCE == Greg. Calendar 27 June 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

AUGUST 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 24 5	4♌16'54	10♉57	25♌40	2♌22	23♋25	7°R39	17♉17	7♎10	11♌ 1	20°R47	8°R40	9♓49	19♊50	n.a.	S 1
S 2	20 28 2	5°15'01	22°57	27° 8	3°37	24° 3	7♓33	17°20	7°12	11° 3	20♐46	8♓39	9°45	19°57	n.a.	S 2
M 3	20 31 58	6°13'10	4♊51	28°35	4°51	24°41	7°27	17°24	7°15	11° 6	20°45	8°36	9°42	20° 3	n.a.	M 3
T 4	20 35 55	7°11'21	16°43	0♍ 1	6° 6	25°20	7°22	17°27	7°17	11° 8	20°44	8°31	9°39	20°10	n.a.	T 4
W 5	20 39 51	8° 9'35	28°36	1°26	7°20	25°58	7°16	17°31	7°19	11°10	20°43	8°26	9°36	20°17	n.a.	W 5
T 6	20 43 48	9° 7'50	10♋34	2°49	8°35	26°36	7° 9	17°34	7°22	11°12	20°42	8°21	9°33	20°23	n.a.	T 6
F 7	20 47 44	10° 6'07	22°38	4°10	9°49	27°14	7° 3	17°37	7°24	11°15	20°41	8°16	9°30	20°30	n.a.	F 7
S 8	20 51 41	11° 4'27	4♌51	5°30	11° 4	27°52	6°57	17°40	7°26	11°17	20°41	8°12	9°26	20°37	n.a.	S 8
S 9	20 55 38	12° 2'48	17°13	6°49	12°19	28°31	6°50	17°43	7°29	11°19	20°40	8° 9	9°23	20°44	n.a.	S 9
M10	20 59 34	13° 1'11	29°47	8° 6	13°33	29° 9	6°43	17°45	7°31	11°21	20°39	8° 8	9°20	20°50	n.a.	M10
T 11	21 3 31	13°59'36	12♍32	9°21	14°48	29°47	6°37	17°48	7°34	11°23	20°38	8°D 8	9°17	20°57	n.a.	T 11
W12	21 7 27	14°58'03	25°30	10°35	16° 3	0♌25	6°30	17°51	7°37	11°26	20°38	8° 9	9°14	21° 4	n.a.	W12
T 13	21 11 24	15°56'31	8♎41	11°47	17°18	1° 3	6°23	17°53	7°39	11°28	20°37	8°10	9°10	21°10	n.a.	T 13
F 14	21 15 20	16°55'01	22° 7	12°57	18°32	1°41	6°16	17°55	7°42	11°30	20°36	8°11	9° 7	21°17	n.a.	F 14
S 15	21 19 17	17°53'34	5♏48	14° 5	19°47	2°20	6° 8	17°58	7°45	11°32	20°36	8°12	9° 4	21°24	n.a.	S 15
S 16	21 23 13	18°52'07	19°44	15°11	21° 2	2°58	6° 1	18° 0	7°47	11°35	20°35	8°R13	9° 1	21°31	n.a.	S 16
M17	21 27 10	19°50'43	3♐54	16°15	22°17	3°36	5°54	18° 2	7°50	11°37	20°34	8°12	8°58	21°37	n.a.	M17
T 18	21 31 7	20°49'21	18°18	17°16	23°32	4°14	5°46	18° 4	7°53	11°39	20°34	8°11	8°55	21°44	n.a.	T 18
W19	21 35 3	21°48'00	2♑51	18°15	24°46	4°52	5°39	18° 5	7°56	11°41	20°33	8° 9	8°51	21°51	n.a.	W19
T 20	21 39 0	22°46'41	17°28	19°12	26° 1	5°30	5°31	18° 7	7°59	11°43	20°33	8° 7	8°48	21°58	n.a.	T 20
F 21	21 42 56	23°45'24	2♒ 4	20° 5	27°16	6° 8	5°23	18° 9	8° 2	11°46	20°32	8° 5	8°45	22° 4	n.a.	F 21
S 22	21 46 53	24°44'08	16°32	20°55	28°31	6°47	5°16	18°10	8° 5	11°48	20°32	8° 4	8°42	22°11	n.a.	S 22
S 23	21 50 49	25°42'55	0♓46	21°42	29°46	7°25	5° 8	18°12	8° 8	11°50	20°31	8° 3	8°39	22°18	n.a.	S 23
M24	21 54 46	26°41'44	14°41	22°25	1♍ 1	8° 3	5° 0	18°13	8°11	11°52	20°31	8°D 3	8°36	22°24	n.a.	M24
T 25	21 58 42	27°40'35	28°15	23° 5	2°15	8°41	4°52	18°14	8°14	11°54	20°31	8° 4	8°32	22°31	n.a.	T 25
W26	22 2 39	28°39'28	11♈26	23°40	3°30	9°19	4°44	18°15	8°17	11°56	20°30	8° 5	8°29	22°38	n.a.	W26
T 27	22 6 36	29°38'24	24°16	24°11	4°45	9°57	4°36	18°16	8°20	11°59	20°30	8° 6	8°26	22°45	n.a.	T 27
F 28	22 10 32	0♍37'22	6♉46	24°36	6° 0	10°36	4°28	18°17	8°23	12° 1	20°30	8° 6	8°23	22°51	n.a.	F 28
S 29	22 14 29	1°36'22	19° 1	24°57	7°15	11°14	4°20	18°18	8°26	12° 3	20°29	8° 7	8°20	22°58	n.a.	S 29
S 30	22 18 25	2°35'25	1♊ 3	25°11	8°30	11°52	4°12	18°18	8°29	12° 5	20°29	8°R 7	8°16	23° 5	n.a.	S 30
M31	22 22 22	3♍34'30	12♊58	25♍19	9♍45	12♌30	4♓ 4	18♉19	8♎33	12♌ 7	20♐29	8♓ 7	8♓13	23♊11	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n25	19n39	4n36	13n14	0n 8	21n 5	1n15	22n47	1n 8	10s20	1s39	15n15	2s 1	2s19	0n36	18n24	0n46	23s48	0s24	8s25	7s59	28n23		n.a.
S 2	19 11	23 34	5 0	12 37	0 0	20 48	1 16	22 40	1 8	10 22	1 40	15 16	2 1	2 20	0 36	18 24	0 46	23 48	0 24	8 25	8 0	28 23		n.a.
M 3	18 56	26 27	5 11	11 59	0s 8	20 31	1 17	22 34	1 8	10 25	1 40	15 17	2 1	2 21	0 36	18 23	0 46	23 48	0 24	8 27	8 1	28 24		n.a.
T 4	18 42	28 10	5 9	11 21	0 16	20 14	1 18	22 27	1 9	10 27	1 40	15 18	2 2	2 22	0 36	18 23	0 46	23 48	0 24	8 28	8 3	28 24		n.a.
W 5	18 26	28 36	4 53	10 43	0 24	19 55	1 19	22 20	1 9	10 30	1 40	15 19	2 2	2 23	0 36	18 22	0 46	23 48	0 24	8 30	8 4	28 24		n.a.
T 6	18 11	27 41	4 24	10 5	0 33	19 37	1 20	22 13	1 9	10 32	1 40	15 19	2 2	2 24	0 36	18 21	0 46	23 48	0 25	8 32	8 5	28 25		n.a.
F 7	17 55	25 28	3 44	9 27	0 41	19 17	1 20	22 5	1 9	10 35	1 41	15 20	2 2	2 25	0 36	18 21	0 46	23 48	0 25	8 34	8 6	28 25		n.a.
S 8	17 39	22 4	2 52	8 50	0 50	18 57	1 21	21 58	1 9	10 37	1 41	15 21	2 2	2 26	0 36	18 20	0 46	23 48	0 25	8 35	8 7	28 25		n.a.
S 9	17 23	17 38	1 52	8 13	0 58	18 37	1 22	21 50	1 9	10 40	1 41	15 21	2 2	2 27	0 36	18 20	0 46	23 48	0 25	8 37	8 9	28 26		n.a.
M10	17 6	12 24	0 46	7 36	1 7	18 16	1 22	21 42	1 10	10 43	1 41	15 22	2 2	2 28	0 36	18 19	0 46	23 48	0 25	8 37	8 10	28 26		n.a.
T 11	16 49	6 34	0s24	6 59	1 16	17 54	1 23	21 34	1 10	10 46	1 42	15 23	2 3	2 29	0 36	18 18	0 46	23 48	0 25	8 37	8 11	28 26		n.a.
W12	16 32	0 22	1 34	6 23	1 24	17 32	1 23	21 26	1 10	10 48	1 42	15 23	2 3	2 30	0 36	18 18	0 46	23 48	0 25	8 37	8 12	28 27		n.a.
T 13	16 15	5s56	2 40	5 48	1 33	17 10	1 24	21 18	1 10	10 51	1 42	15 24	2 3	2 31	0 36	18 17	0 46	23 48	0 25	8 36	8 13	28 27		n.a.
F 14	15 57	12 5	3 39	5 13	1 42	16 47	1 24	21 10	1 10	10 54	1 42	15 24	2 3	2 33	0 36	18 16	0 46	23 48	0 25	8 36	8 15	28 27		n.a.
S 15	15 39	17 47	4 26	4 38	1 50	16 23	1 24	21 1	1 10	10 57	1 42	15 25	2 3	2 34	0 36	18 16	0 46	23 48	0 25	8 35	8 16	28 27		n.a.
S 16	15 21	22 40	4 59	4 5	1 59	15 59	1 24	20 52	1 11	11 0	1 42	15 25	2 3	2 35	0 36	18 15	0 46	23 48	0 25	8 35	8 17	28 28		n.a.
M17	15 2	26 19	5 14	3 32	2 8	15 35	1 25	20 44	1 11	11 3	1 43	15 26	2 4	2 36	0 36	18 15	0 46	23 48	0 25	8 35	8 18	28 28		n.a.
T 18	14 43	28 21	5 10	3 0	2 16	15 10	1 25	20 35	1 11	11 5	1 43	15 26	2 4	2 37	0 36	18 14	0 46	23 48	0 26	8 36	8 19	28 28		n.a.
W19	14 24	28 28	4 47	2 29	2 24	14 45	1 25	20 25	1 11	11 8	1 43	15 26	2 4	2 38	0 36	18 13	0 46	23 49	0 26	8 37	8 21	28 28		n.a.
T 20	14 5	26 36	4 4	2 0	2 32	14 19	1 25	20 16	1 11	11 11	1 43	15 27	2 4	2 39	0 36	18 13	0 46	23 49	0 26	8 37	8 22	28 29		n.a.
F 21	13 46	22 57	3 6	1 31	2 40	13 53	1 24	20 7	1 11	11 14	1 43	15 27	2 4	2 41	0 36	18 12	0 46	23 49	0 26	8 38	8 23	28 29		n.a.
S 22	13 26	17 55	1 56	1 4	2 48	13 27	1 24	19 57	1 12	11 17	1 43	15 27	2 4	2 42	0 36	18 12	0 46	23 49	0 26	8 39	8 24	28 29		n.a.
S 23	13 6	11 58	0 40	0 39	2 56	13 0	1 24	19 47	1 12	11 20	1 43	15 27	2 5	2 43	0 36	18 11	0 46	23 49	0 26	8 39	8 25	28 29		n.a.
M24	12 46	5 32	0n37	0 15	3 3	12 33	1 24	19 38	1 12	11 23	1 43	15 28	2 5	2 44	0 36	18 10	0 46	23 49	0 26	8 39	8 27	28 29		n.a.
T 25	12 25	0n58	1 49	0s 7	3 9	12 5	1 23	19 28	1 12	11 26	1 43	15 28	2 5	2 46	0 35	18 10	0 46	23 49	0 26	8 39	8 28	28 30		n.a.
W26	12 5	7 15	2 54	0 27	3 16	11 37	1 23	19 18	1 12	11 29	1 44	15 28	2 5	2 47	0 35	18 9	0 46	23 49	0 26	8 38	8 29	28 30		n.a.
T 27	11 44	13 3	3 49	0 44	3 22	11 9	1 22	19 7	1 12	11 33	1 44	15 28	2 5	2 48	0 35	18 9	0 46	23 49	0 26	8 38	8 30	28 30		n.a.
F 28	11 23	18 11	4 31	0 59	3 27	10 41	1 22	18 57	1 12	11 36	1 44	15 28	2 5	2 49	0 35	18 8	0 46	23 49	0 26	8 38	8 31	28 30		n.a.
S 29	11 2	22 28	4 59	1 12	3 31	10 12	1 21	18 46	1 13	11 39	1 44	15 28	2 6	2 51	0 35	18 7	0 46	23 49	0 26	8 38	8 33	28 30		n.a.
S 30	10 40	25 44	5 14	1 21	3 35	9 43	1 20	18 36	1 13	11 42	1 44	15 28	2 6	2 52	0 35	18 7	0 46	23 49	0 27	8 37	8 34	28 30		n.a.
M31	10n19	27n50	5n16	1s27	3s38	9n14	1n20	18n25	1n13	11s45	1s44	15n28	2s 6	2s53	0n35	18n 6	0n46	23s49	0s27	8s37	8s35	28n31		n.a.

Julian Day Number = 1645298.5, Delta T = 03h34m05s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'47, Lahiri = - 6°49'46 Julian Calendar 1 Aug. 209 BCE == Greg. Calendar 28 July 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

SEPTEMBER 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 26 18	4♍33'38	24♊51	25°R21	11♍ 0	13♌ 8	3°R56	18♉19	8♎36	12♌ 9	20°R29	8°R 7	8♓10	23♊18	n.a.	T 1
W 2	22 30 15	5°32'48	6♋45	25♍16	12°15	13°47	3♓48	18°19	8°39	12°11	20♐29	8♓ 6	8° 7	23°25	n.a.	W 2
T 3	22 34 11	6°32'01	18°45	25° 3	13°30	14°25	3°40	18°20	8°43	12°13	20°29	8° 6	8° 4	23°32	n.a.	T 3
F 4	22 38 8	7°31'16	0♌55	24°43	14°45	15° 3	3°32	18°R20	8°46	12°15	20°29	8° 6	8° 1	23°38	n.a.	F 4
S 5	22 42 4	8°30'33	13°17	24°15	16° 0	15°41	3°24	18°20	8°49	12°18	20°28	8°D 6	7°57	23°45	n.a.	S 5
S 6	22 46 1	9°29'52	25°53	23°38	17°15	16°19	3°16	18°19	8°53	12°20	20°D28	8° 6	7°54	23°52	n.a.	S 6
M 7	22 49 58	10°29'13	8♍45	22°54	18°30	16°58	3° 8	18°19	8°56	12°22	20°28	8°R 6	7°51	23°59	n.a.	M 7
T 8	22 53 54	11°28'37	21°52	22° 3	19°45	17°36	3° 0	18°19	8°59	12°24	20°29	8° 6	7°48	24° 5	n.a.	T 8
W 9	22 57 51	12°28'03	5♎15	21° 5	21° 0	18°14	2°52	18°18	9° 3	12°26	20°29	8° 6	7°45	24°12	n.a.	W 9
T 10	23 1 47	13°27'31	18°51	20° 1	22°15	18°52	2°44	18°18	9° 6	12°28	20°29	8° 5	7°42	24°19	n.a.	T 10
F 11	23 5 44	14°27'00	2♏38	18°52	23°30	19°30	2°36	18°17	9°10	12°30	20°29	8° 4	7°38	24°25	n.a.	F 11
S 12	23 9 40	15°26'32	16°35	17°41	24°45	20° 9	2°29	18°16	9°13	12°31	20°29	8° 4	7°35	24°32	n.a.	S 12
S 13	23 13 37	16°26'06	0♐40	16°28	26° 0	20°47	2°21	18°15	9°17	12°33	20°29	8° 3	7°32	24°39	n.a.	S 13
M14	23 17 33	17°25'41	14°50	15°16	27°15	21°25	2°14	18°14	9°21	12°35	20°29	8°D 3	7°29	24°46	n.a.	M14
T 15	23 21 30	18°25'19	29° 3	14° 8	28°30	22° 3	2° 6	18°13	9°24	12°37	20°30	8° 3	7°26	24°52	n.a.	T 15
W16	23 25 27	19°24'58	13♑16	13° 4	29°45	22°41	1°59	18°11	9°28	12°39	20°30	8° 3	7°22	24°59	n.a.	W16
T 17	23 29 23	20°24'39	27°28	12° 7	1♎ 0	23°20	1°52	18°10	9°31	12°41	20°30	8° 4	7°19	25° 6	n.a.	T 17
F 18	23 33 20	21°24'21	11♒35	11°19	2°15	23°58	1°44	18° 9	9°35	12°43	20°31	8° 5	7°16	25°12	n.a.	F 18
S 19	23 37 16	22°24'06	25°34	10°41	3°30	24°36	1°37	18° 7	9°39	12°45	20°31	8° 6	7°13	25°19	n.a.	S 19
S 20	23 41 13	23°23'52	9♓23	10°13	4°45	25°14	1°30	18° 5	9°42	12°46	20°31	8°R 7	7°10	25°26	n.a.	S 20
M21	23 45 9	24°23'41	22°58	9°56	6° 0	25°53	1°24	18° 3	9°46	12°48	20°32	8° 6	7° 7	25°33	n.a.	M21
T 22	23 49 6	25°23'31	6♈18	9°D51	7°16	26°31	1°17	18° 1	9°49	12°50	20°32	8° 5	7° 3	25°39	n.a.	T 22
W23	23 53 2	26°23'24	19°21	9°57	8°31	27° 9	1°10	17°59	9°53	12°52	20°33	8° 2	7° 0	25°46	n.a.	W23
T 24	23 56 59	27°23'19	2♉ 7	10°14	9°46	27°47	1° 4	17°57	9°57	12°53	20°33	8° 0	6°57	25°53	n.a.	T 24
F 25	0 0 55	28°23'16	14°36	10°40	11° 1	28°25	0°58	17°55	10° 1	12°55	20°34	7°56	6°54	25°59	n.a.	F 25
S 26	0 4 52	29°23'15	26°51	11°17	12°16	29° 4	0°51	17°53	10° 4	12°57	20°34	7°53	6°51	26° 6	n.a.	S 26
S 27	0 8 49	0♎23'16	8♊54	12° 2	13°31	29°42	0°45	17°50	10° 8	12°58	20°35	7°51	6°47	26°13	n.a.	S 27
M28	0 12 45	1°23'20	20°49	12°54	14°46	0♍20	0°39	17°48	10°12	13° 0	20°36	7°49	6°44	26°20	n.a.	M28
T 29	0 16 42	2°23'26	2♋41	13°54	16° 1	0°59	0°34	17°45	10°15	13° 2	20°36	7°D49	6°41	26°26	n.a.	T 29
W30	0 20 38	3♎23'34	14♋35	14♍59	17♎16	1♍37	0♓28	17♉42	10♎19	13♌ 3	20♐37	7♓49	6♓38	26♊33	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9n57	28n40	5n 3	1s30	3s40	8n44	1n19	18n14	1n13	11s48	1s44	15n28	2s 6	2s55	0n35	18n 6	0n46	23s49	0s27	8s38	8s36	28n31		n.a.
W 2	9 35	28 11	4 38	1 28	3 41	8 15	1 18	18 3	1 13	11 51	1 44	15 28	2 6	2 56	0 35	18 5	0 46	23 49	0 27	8 38	8 37	28 31		n.a.
T 3	9 13	26 22	4 1	1 23	3 41	7 45	1 17	17 52	1 13	11 54	1 44	15 28	2 6	2 57	0 35	18 5	0 47	23 49	0 27	8 38	8 39	28 31		n.a.
F 4	8 51	23 19	3 12	1 13	3 39	7 14	1 16	17 41	1 13	11 57	1 44	15 28	2 7	2 59	0 35	18 4	0 47	23 49	0 27	8 38	8 40	28 31		n.a.
S 5	8 29	19 9	2 13	0 59	3 36	6 44	1 15	17 29	1 13	11 59	1 44	15 28	2 7	3 0	0 35	18 3	0 47	23 50	0 27	8 38	8 41	28 31		n.a.
S 6	8 6	14 6	1 7	0 40	3 31	6 13	1 14	17 18	1 14	12 2	1 44	15 27	2 7	3 1	0 35	18 3	0 47	23 50	0 27	8 38	8 42	28 31		n.a.
M 7	7 43	8 20	0s 4	0 16	3 24	5 43	1 13	17 6	1 14	12 5	1 44	15 27	2 7	3 3	0 35	18 2	0 47	23 50	0 27	8 38	8 43	28 31		n.a.
T 8	7 21	2 6	1 16	0n12	3 15	5 12	1 11	16 55	1 14	12 8	1 44	15 27	2 7	3 4	0 35	18 2	0 47	23 50	0 27	8 38	8 45	28 31		n.a.
W 9	6 58	4s19	2 25	0 45	3 4	4 41	1 10	16 43	1 14	12 11	1 44	15 27	2 7	3 5	0 35	18 1	0 47	23 50	0 27	8 38	8 46	28 31		n.a.
T 10	6 35	10 39	3 27	1 22	2 52	4 9	1 9	16 31	1 14	12 14	1 44	15 26	2 8	3 7	0 35	18 1	0 47	23 50	0 27	8 38	8 47	28 32		n.a.
F 11	6 11	16 34	4 18	2 3	2 37	3 38	1 7	16 19	1 14	12 17	1 44	15 26	2 8	3 8	0 35	18 0	0 47	23 50	0 28	8 38	8 48	28 32		n.a.
S 12	5 48	21 41	4 55	2 46	2 21	3 7	1 6	16 7	1 14	12 19	1 44	15 25	2 8	3 10	0 35	18 0	0 47	23 50	0 28	8 39	8 49	28 32		n.a.
S 13	5 25	25 39	5 14	3 31	2 3	2 35	1 4	15 55	1 14	12 22	1 44	15 25	2 8	3 11	0 35	17 59	0 47	23 50	0 28	8 39	8 51	28 32		n.a.
M14	5 1	28 3	5 14	4 16	1 44	2 4	1 3	15 42	1 14	12 25	1 44	15 25	2 8	3 12	0 35	17 59	0 47	23 50	0 28	8 39	8 52	28 32		n.a.
T 15	4 38	28 39	4 56	5 1	1 24	1 32	1 1	15 30	1 15	12 27	1 43	15 24	2 8	3 14	0 35	17 58	0 47	23 50	0 28	8 39	8 53	28 32		n.a.
W16	4 14	27 21	4 19	5 45	1 4	1 0	0 59	15 17	1 15	12 30	1 43	15 24	2 9	3 15	0 35	17 58	0 47	23 51	0 28	8 39	8 54	28 32		n.a.
T 17	3 51	24 17	3 26	6 26	0 43	0 29	0 58	15 5	1 15	12 33	1 43	15 23	2 9	3 17	0 35	17 57	0 47	23 51	0 28	8 38	8 55	28 32		n.a.
F 18	3 27	19 47	2 21	7 3	0 23	0s 3	0 56	14 52	1 15	12 35	1 43	15 23	2 9	3 18	0 35	17 57	0 47	23 51	0 28	8 38	8 57	28 32		n.a.
S 19	3 3	14 14	1 9	7 36	0 3	0 35	0 54	14 39	1 15	12 38	1 43	15 22	2 9	3 20	0 35	17 56	0 47	23 51	0 28	8 38	8 58	28 32		n.a.
S 20	2 39	8 2	0n 7	8 4	0n15	1 7	0 52	14 26	1 15	12 40	1 43	15 21	2 9	3 21	0 35	17 56	0 47	23 51	0 28	8 38	8 59	28 32		n.a.
M21	2 15	1 35	1 21	8 26	0 32	1 39	0 50	14 13	1 15	12 42	1 43	15 21	2 9	3 23	0 35	17 55	0 47	23 51	0 28	8 38	9 0	28 32		n.a.
T 22	1 51	4n49	2 29	8 43	0 48	2 10	0 48	14 0	1 15	12 45	1 43	15 20	2 9	3 24	0 35	17 55	0 47	23 51	0 28	8 38	9 1	28 32		n.a.
W23	1 27	10 52	3 28	8 54	1 3	2 42	0 46	13 47	1 15	12 47	1 43	15 19	2 10	3 26	0 35	17 54	0 47	23 51	0 28	8 39	9 3	28 31		n.a.
T 24	1 3	16 20	4 15	8 59	1 16	3 14	0 44	13 34	1 15	12 49	1 42	15 19	2 10	3 27	0 35	17 54	0 47	23 51	0 29	8 40	9 4	28 31		n.a.
F 25	0 39	21 0	4 49	9 0	1 27	3 46	0 42	13 20	1 15	12 51	1 42	15 18	2 10	3 29	0 35	17 53	0 47	23 51	0 29	8 41	9 5	28 31		n.a.
S 26	0 15	24 41	5 8	8 55	1 37	4 17	0 40	13 7	1 15	12 53	1 42	15 17	2 10	3 30	0 35	17 53	0 47	23 52	0 29	8 43	9 6	28 31		n.a.
S 27	0s 9	27 13	5 14	8 45	1 45	4 49	0 38	12 53	1 15	12 55	1 42	15 16	2 10	3 31	0 35	17 52	0 47	23 52	0 29	8 44	9 7	28 31		n.a.
M28	0 34	28 30	5 6	8 31	1 52	5 20	0 36	12 40	1 15	12 57	1 42	15 15	2 10	3 33	0 35	17 52	0 47	23 52	0 29	8 44	9 9	28 31		n.a.
T 29	0 58	28 27	4 45	8 13	1 58	5 51	0 34	12 26	1 16	12 59	1 42	15 15	2 10	3 34	0 35	17 51	0 47	23 52	0 29	8 44	9 10	28 31		n.a.
W30	1s22	27n 5	4n12	7n51	2n 2	6s22	0n31	12n12	1n16	13s 1	1s41	15n14	2s10	3s36	0n35	17n51	0n47	23s52	0s29	8s44	9s11	28n31		n.a.

Julian Day Number = 1645329.5, Delta T = 03h34m04s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'42, Lahiri = - 6°49'42 Julian Calendar 1 Sept. 209 BCE == Greg. Calendar 28 Aug. 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

OCTOBER 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 24 35	4♎23'45	26♋34	16♍10	18♎31	2♍15	0°R23	17°R39	10♎23	13♌ 5	20♐38	7♓51	6♓35	26♊40	n.a.	T 1
F 2	0 28 31	5°23'57	8♌45	17°26	19°46	2°53	0♓17	17♉37	10°27	13° 6	20°38	7°52	6°32	26°46	n.a.	F 2
S 3	0 32 28	6°24'12	21°12	18°45	21° 1	3°32	0°12	17°33	10°30	13° 8	20°39	7°54	6°28	26°53	n.a.	S 3
S 4	0 36 24	7°24'29	3♍57	20° 8	22°16	4°10	0° 7	17°30	10°34	13° 9	20°40	7°R55	6°25	27° 0	n.a.	S 4
M 5	0 40 21	8°24'47	17° 2	21°33	23°31	4°48	0° 3	17°27	10°38	13°11	20°41	7°55	6°22	27° 7	n.a.	M 5
T 6	0 44 18	9°25'08	0♎30	23° 1	24°46	5°27	29♒58	17°24	10°42	13°12	20°42	7°53	6°19	27°13	n.a.	T 6
W 7	0 48 14	10°25'31	14°17	24°31	26° 1	6° 5	29°54	17°20	10°45	13°14	20°43	7°49	6°16	27°20	n.a.	W 7
T 8	0 52 11	11°25'55	28°22	26° 2	27°16	6°43	29°49	17°17	10°49	13°15	20°43	7°45	6°13	27°27	n.a.	T 8
F 9	0 56 7	12°26'21	12♏39	27°34	28°31	7°21	29°45	17°13	10°53	13°16	20°44	7°39	6° 9	27°33	n.a.	F 9
S 10	1 0 4	13°26'49	27° 3	29° 8	29°46	8° 0	29°42	17°10	10°57	13°18	20°45	7°34	6° 6	27°40	n.a.	S 10
S 11	1 4 0	14°27'18	11♐29	0♎42	1♏ 1	8°38	29°38	17° 6	11° 1	13°19	20°46	7°29	6° 3	27°47	n.a.	S 11
M12	1 7 57	15°27'49	25°51	2°17	2°16	9°16	29°34	17° 2	11° 4	13°20	20°47	7°26	6° 0	27°54	n.a.	M12
T 13	1 11 53	16°28'21	10♑ 5	3°53	3°31	9°55	29°31	16°58	11° 8	13°21	20°49	7°D24	5°57	28° 0	n.a.	T 13
W14	1 15 50	17°28'55	24°11	5°28	4°46	10°33	29°28	16°54	11°12	13°23	20°50	7°24	5°53	28° 7	n.a.	W14
T 15	1 19 47	18°29'30	8♒ 6	7° 4	6° 1	11°11	29°25	16°50	11°16	13°24	20°51	7°25	5°50	28°14	n.a.	T 15
F 16	1 23 43	19°30'06	21°49	8°40	7°16	11°50	29°23	16°46	11°19	13°25	20°52	7°26	5°47	28°20	n.a.	F 16
S 17	1 27 40	20°30'43	5♓22	10°16	8°31	12°28	29°20	16°42	11°23	13°26	20°53	7°R27	5°44	28°27	n.a.	S 17
S 18	1 31 36	21°31'22	18°44	11°52	9°46	13° 6	29°18	16°38	11°27	13°27	20°54	7°27	5°41	28°34	n.a.	S 18
M19	1 35 33	22°32'02	1♈55	13°28	11° 1	13°45	29°16	16°34	11°30	13°28	20°55	7°24	5°38	28°41	n.a.	M19
T 20	1 39 29	23°32'43	14°54	15° 4	12°16	14°23	29°14	16°29	11°34	13°29	20°57	7°19	5°34	28°47	n.a.	T 20
W21	1 43 26	24°33'26	27°41	16°40	13°31	15° 1	29°12	16°25	11°38	13°30	20°58	7°12	5°31	28°54	n.a.	W21
T 22	1 47 22	25°34'11	10♉16	18°16	14°46	15°39	29°11	16°21	11°42	13°31	20°59	7° 3	5°28	29° 1	n.a.	T 22
F 23	1 51 19	26°34'57	22°38	19°52	16° 1	16°18	29°10	16°16	11°45	13°32	21° 0	6°53	5°25	29° 7	n.a.	F 23
S 24	1 55 16	27°35'44	4♊49	21°27	17°16	16°56	29° 9	16°12	11°49	13°33	21° 2	6°44	5°22	29°14	n.a.	S 24
S 25	1 59 12	28°36'34	16°50	23° 3	18°30	17°35	29° 8	16° 7	11°53	13°34	21° 3	6°35	5°19	29°21	n.a.	S 25
M26	2 3 9	29°37'24	28°44	24°38	19°45	18°13	29° 7	16° 2	11°56	13°35	21° 5	6°28	5°15	29°28	n.a.	M26
T 27	2 7 5	0♏38'16	10♋34	26°13	21° 0	18°51	29° 7	15°58	12° 0	13°36	21° 6	6°24	5°12	29°34	n.a.	T 27
W28	2 11 2	1°39'10	22°26	27°48	22°15	19°30	29° 6	15°53	12° 3	13°36	21° 7	6°21	5° 9	29°41	n.a.	W28
T 29	2 14 58	2°40'05	4♌23	29°23	23°30	20° 8	29°D 6	15°48	12° 7	13°37	21° 9	6°D21	5° 6	29°48	n.a.	T 29
F 30	2 18 55	3°41'02	16°30	0♏57	24°45	20°46	29° 7	15°43	12°11	13°38	21°10	6°21	5° 3	29°54	n.a.	F 30
S 31	2 22 51	4♏42'00	28♌54	2♏32	26♏ 0	21♍25	29♒ 7	15♉38	12♎14	13♌38	21♐12	6♓22	4♓59	0♋ 1	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	1 s46	24n29	3n28	7n26	2n 5	6 s54	0n29	11n58	1n16	13 s 3	1 s41	15n13	2 s10	3 s37	0n35	17n51	0n47	23 s52	0 s29	8 s44	9 s12	28n31			n.a.
F 2	2 10	20 45	2 33	6 58	2 7	7 24	0 27	11 44	1 16	13 4	1 41	15 12	2 11	3 39	0 35	17 50	0 47	23 52	0 29	8 43	9 13	28 31			n.a.
S 3	2 34	16 2	1 30	6 27	2 8	7 55	0 24	11 30	1 16	13 6	1 41	15 11	2 11	3 40	0 35	17 50	0 47	23 53	0 29	8 42	9 14	28 30			n.a.
S 4	2 58	10 31	0 22	5 54	2 8	8 26	0 22	11 16	1 16	13 8	1 41	15 10	2 11	3 42	0 35	17 49	0 47	23 53	0 29	8 42	9 16	28 30			n.a.
M 5	3 22	4 25	0 s50	5 20	2 7	8 56	0 20	11 2	1 16	13 9	1 40	15 9	2 11	3 43	0 35	17 49	0 47	23 53	0 29	8 42	9 17	28 30			n.a.
T 6	3 47	2 s 2	2 0	4 43	2 6	9 26	0 17	10 48	1 16	13 11	1 40	15 8	2 11	3 45	0 35	17 49	0 47	23 53	0 29	8 43	9 18	28 30			n.a.
W 7	4 10	8 32	3 5	4 5	2 3	9 56	0 15	10 34	1 16	13 12	1 40	15 7	2 11	3 46	0 35	17 48	0 47	23 53	0 30	8 44	9 19	28 30			n.a.
T 8	4 34	14 45	4 1	3 26	2 1	10 26	0 12	10 19	1 16	13 13	1 40	15 6	2 11	3 48	0 35	17 48	0 47	23 53	0 30	8 46	9 20	28 30			n.a.
F 9	4 58	20 17	4 42	2 46	1 57	10 55	0 10	10 5	1 16	13 15	1 40	15 5	2 11	3 49	0 35	17 47	0 48	23 53	0 30	8 48	9 22	28 29			n.a.
S 10	5 22	24 40	5 5	2 5	1 54	11 24	0 8	9 50	1 16	13 16	1 39	15 4	2 11	3 51	0 35	17 47	0 48	23 53	0 30	8 50	9 23	28 29			n.a.
S 11	5 46	27 32	5 10	1 23	1 49	11 53	0 5	9 36	1 16	13 17	1 39	15 3	2 11	3 52	0 35	17 47	0 48	23 54	0 30	8 52	9 24	28 29			n.a.
M12	6 9	28 34	4 55	0 41	1 45	12 22	0 3	9 21	1 16	13 18	1 39	15 1	2 11	3 54	0 35	17 46	0 48	23 54	0 30	8 53	9 25	28 29			n.a.
T 13	6 33	27 41	4 22	0 s 2	1 40	12 50	0 s 0	9 7	1 16	13 19	1 39	15 0	2 12	3 55	0 35	17 46	0 48	23 54	0 30	8 54	9 26	28 29			n.a.
W14	6 56	25 1	3 33	0 45	1 35	13 18	0 3	8 52	1 16	13 20	1 38	14 59	2 12	3 57	0 35	17 46	0 48	23 54	0 30	8 54	9 28	28 28			n.a.
T 15	7 20	20 55	2 32	1 28	1 29	13 46	0 5	8 37	1 16	13 20	1 38	14 58	2 12	3 58	0 35	17 46	0 48	23 54	0 30	8 53	9 29	28 28			n.a.
F 16	7 43	15 43	1 24	2 12	1 24	14 13	0 8	8 23	1 16	13 21	1 38	14 57	2 12	4 0	0 35	17 45	0 48	23 54	0 30	8 53	9 30	28 28			n.a.
S 17	8 6	9 50	0 11	2 56	1 18	14 40	0 10	8 8	1 16	13 22	1 38	14 55	2 12	4 1	0 35	17 45	0 48	23 55	0 30	8 52	9 31	28 28			n.a.
S 18	8 29	3 35	1n 1	3 39	1 12	15 7	0 13	7 53	1 16	13 22	1 37	14 54	2 12	4 3	0 35	17 45	0 48	23 55	0 30	8 53	9 32	28 27			n.a.
M19	8 52	2n44	2 8	4 23	1 5	15 33	0 15	7 38	1 16	13 23	1 37	14 53	2 12	4 4	0 35	17 44	0 48	23 55	0 30	8 54	9 33	28 27			n.a.
T 20	9 15	8 49	3 8	5 6	0 59	15 59	0 18	7 23	1 16	13 23	1 37	14 52	2 12	4 6	0 35	17 44	0 48	23 55	0 31	8 55	9 35	28 27			n.a.
W21	9 38	14 27	3 57	5 49	0 53	16 24	0 20	7 8	1 16	13 24	1 37	14 50	2 12	4 7	0 35	17 44	0 48	23 55	0 31	8 58	9 36	28 27			n.a.
T 22	10 0	19 23	4 34	6 32	0 46	16 49	0 23	6 53	1 16	13 24	1 36	14 49	2 12	4 9	0 35	17 44	0 48	23 55	0 31	9 1	9 37	28 26			n.a.
F 23	10 22	23 25	4 57	7 15	0 40	17 14	0 25	6 38	1 16	13 24	1 36	14 48	2 12	4 10	0 35	17 43	0 48	23 56	0 31	9 5	9 38	28 26			n.a.
S 24	10 44	26 21	5 6	7 57	0 33	17 38	0 28	6 23	1 16	13 24	1 36	14 46	2 12	4 12	0 35	17 43	0 48	23 56	0 31	9 9	9 39	28 26			n.a.
S 25	11 6	28 3	5 1	8 39	0 26	18 2	0 30	6 8	1 16	13 24	1 35	14 45	2 12	4 13	0 35	17 43	0 48	23 56	0 31	9 12	9 40	28 25			n.a.
M26	11 28	28 26	4 43	9 21	0 20	18 25	0 33	5 52	1 16	13 24	1 35	14 44	2 12	4 14	0 35	17 43	0 48	23 56	0 31	9 15	9 42	28 25			n.a.
T 27	11 50	27 31	4 14	10 2	0 13	18 47	0 35	5 37	1 16	13 24	1 35	14 42	2 12	4 16	0 35	17 43	0 48	23 56	0 31	9 16	9 43	28 25			n.a.
W28	12 11	25 20	3 33	10 43	0 6	19 10	0 38	5 22	1 16	13 24	1 35	14 41	2 12	4 17	0 35	17 42	0 48	23 56	0 31	9 17	9 44	28 24			n.a.
T 29	12 33	22 1	2 43	11 23	0 s 0	19 31	0 40	5 7	1 16	13 24	1 34	14 40	2 12	4 19	0 35	17 42	0 48	23 57	0 31	9 17	9 45	28 24			n.a.
F 30	12 54	17 44	1 44	12 3	0 7	19 52	0 43	4 51	1 16	13 23	1 34	14 38	2 12	4 20	0 35	17 42	0 48	23 57	0 31	9 17	9 46	28 24			n.a.
S 31	13 s14	12n37	0n40	12 s42	0 s13	20 s13	0 s45	4n36	1n16	13 s23	1 s34	14n37	2 s12	4 s21	0n35	17n42	0n48	23 s57	0 s31	9 s17	9 s48	28n23			n.a.

Julian Day Number = 1645359.5, Delta T = 03h34m03s
Ecliptic obliquity = 23°43'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'38, Lahiri = - 6°49'38 Julian Calendar 1 Oct. 209 BCE == Greg. Calendar 27 Sept. 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

NOVEMBER 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 26 48	5♏42'59	11♍40	4♏ 6	27♏15	22♍ 3	29♒ 8	15°R34	12♎18	13♌39	21♐13	6°R22	4♓56	0♋ 8	n.a.	S 1
M 2	2 30 45	6°44'00	24°49	5°41	28°29	22°41	29° 8	15♉29	12°21	13°40	21°15	6♓20	4°53	0°15	n.a.	M 2
T 3	2 34 41	7°45'02	8♎26	7°15	29°44	23°20	29° 9	15°24	12°25	13°40	21°16	6°16	4°50	0°21	n.a.	T 3
W 4	2 38 38	8°46'05	22°30	8°50	0♐59	23°58	29°11	15°19	12°28	13°41	21°18	6°10	4°47	0°28	n.a.	W 4
T 5	2 42 34	9°47'10	6♏57	10°24	2°14	24°36	29°12	15°14	12°32	13°41	21°19	6° 1	4°44	0°35	n.a.	T 5
F 6	2 46 31	10°48'15	21°41	11°58	3°29	25°15	29°14	15° 9	12°35	13°42	21°21	5°50	4°40	0°41	n.a.	F 6
S 7	2 50 27	11°49'22	6♐34	13°33	4°44	25°53	29°16	15° 4	12°39	13°42	21°23	5°40	4°37	0°48	n.a.	S 7
S 8	2 54 24	12°50'29	21°27	15° 7	5°58	26°31	29°18	14°59	12°42	13°43	21°24	5°30	4°34	0°55	n.a.	S 8
M 9	2 58 20	13°51'37	6♑12	16°41	7°13	27°10	29°20	14°54	12°45	13°43	21°26	5°23	4°31	1° 1	n.a.	M 9
T 10	3 2 17	14°52'45	20°42	18°16	8°28	27°48	29°23	14°49	12°49	13°43	21°28	5°18	4°28	1° 8	n.a.	T 10
W11	3 6 14	15°53'54	4♒53	19°50	9°43	28°27	29°25	14°44	12°52	13°44	21°29	5°16	4°25	1°15	n.a.	W11
T 12	3 10 10	16°55'03	18°46	21°25	10°57	29° 5	29°28	14°39	12°55	13°44	21°31	5°D15	4°21	1°22	n.a.	T 12
F 13	3 14 7	17°56'13	2♓19	23° 0	12°12	29°43	29°31	14°34	12°59	13°44	21°33	5°R15	4°18	1°28	n.a.	F 13
S 14	3 18 3	18°57'22	15°36	24°34	13°27	0♎22	29°34	14°29	13° 2	13°44	21°35	5°15	4°15	1°35	n.a.	S 14
S 15	3 22 0	19°58'33	28°38	26° 9	14°41	1° 0	29°38	14°24	13° 5	13°44	21°36	5°13	4°12	1°42	n.a.	S 15
M16	3 25 56	20°59'43	11♈28	27°44	15°56	1°38	29°42	14°19	13° 8	13°44	21°38	5° 8	4° 9	1°48	n.a.	M16
T 17	3 29 53	22° 0'54	24° 7	29°19	17°11	2°17	29°45	14°14	13°11	13°45	21°40	5° 0	4° 5	1°55	n.a.	T 17
W18	3 33 50	23° 2'06	6♉36	0♐54	18°25	2°55	29°49	14° 9	13°14	13°45	21°42	4°49	4° 2	2° 2	n.a.	W18
T 19	3 37 46	24° 3'17	18°56	2°30	19°40	3°33	29°54	14° 4	13°18	13°R45	21°44	4°36	3°59	2° 9	n.a.	T 19
F 20	3 41 43	25° 4'30	1♊ 8	4° 5	20°55	4°12	29°58	14° 0	13°21	13°45	21°45	4°21	3°56	2°15	n.a.	F 20
S 21	3 45 39	26° 5'43	13°12	5°40	22° 9	4°50	0♓ 3	13°55	13°24	13°45	21°47	4° 7	3°53	2°22	n.a.	S 21
S 22	3 49 36	27° 6'56	25° 9	7°16	23°24	5°28	0° 8	13°50	13°27	13°44	21°49	3°53	3°50	2°29	n.a.	S 22
M23	3 53 32	28° 8'09	7♋ 0	8°51	24°38	6° 7	0°13	13°45	13°30	13°44	21°51	3°42	3°46	2°35	n.a.	M23
T 24	3 57 29	29° 9'24	18°49	10°27	25°53	6°45	0°18	13°41	13°33	13°44	21°53	3°33	3°43	2°42	n.a.	T 24
W25	4 1 25	0♐10'38	0♌39	12° 2	27° 7	7°23	0°23	13°36	13°35	13°44	21°55	3°28	3°40	2°49	n.a.	W25
T 26	4 5 22	1°11'53	12°34	13°38	28°22	8° 2	0°29	13°31	13°38	13°44	21°57	3°25	3°37	2°56	n.a.	T 26
F 27	4 9 19	2°13'08	24°38	15°13	29°36	8°40	0°34	13°27	13°41	13°44	21°59	3°24	3°34	3° 2	n.a.	F 27
S 28	4 13 15	3°14'24	6♍57	16°48	0♑51	9°18	0°40	13°22	13°44	13°43	22° 0	3°24	3°31	3° 9	n.a.	S 28
S 29	4 17 12	4°15'40	19°37	18°22	2° 5	9°56	0°46	13°18	13°47	13°43	22° 2	3°23	3°27	3°16	n.a.	S 29
M30	4 21 8	5♐16'56	2♎42	19♐56	3♑19	10♎35	0♓52	13♉13	13♎49	13♌43	22♐ 4	3♓21	3♓24	3♋22	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s35	6n50	0s28	13s21	0s20	20s33	0s48	4n21	1n16	13s22	1s34	14n35	2s12	4s23	0n35	17n42	0n48	23s57	0s32	9s17	9s49	28n23		n.a.
M 2	13 55	0 36	1 37	13 59	0 26	20 52	0 50	4 5	1 16	13 22	1 33	14 34	2 12	4 24	0 35	17 42	0 48	23 57	0 32	9 17	9 50	28 22		n.a.
T 3	14 16	5s52	2 42	14 36	0 33	21 11	0 52	3 50	1 15	13 21	1 33	14 33	2 12	4 26	0 35	17 41	0 48	23 57	0 32	9 19	9 51	28 22		n.a.
W 4	14 35	12 15	3 40	15 13	0 39	21 29	0 55	3 34	1 15	13 20	1 33	14 31	2 12	4 27	0 35	17 41	0 48	23 58	0 32	9 21	9 52	28 22		n.a.
T 5	14 55	18 9	4 25	15 49	0 45	21 47	0 57	3 19	1 15	13 20	1 32	14 30	2 12	4 28	0 35	17 41	0 49	23 58	0 32	9 25	9 53	28 21		n.a.
F 6	15 15	23 7	4 53	16 25	0 51	22 4	0 59	3 4	1 15	13 19	1 32	14 28	2 12	4 30	0 35	17 41	0 49	23 58	0 32	9 29	9 55	28 21		n.a.
S 7	15 34	26 37	5 2	17 0	0 57	22 20	1 1	2 48	1 15	13 18	1 32	14 27	2 12	4 31	0 35	17 41	0 49	23 58	0 32	9 33	9 56	28 20		n.a.
S 8	15 53	28 17	4 51	17 34	1 3	22 36	1 4	2 33	1 15	13 17	1 32	14 26	2 12	4 32	0 35	17 41	0 49	23 58	0 32	9 36	9 57	28 20		n.a.
M 9	16 11	27 54	4 20	18 7	1 8	22 51	1 6	2 17	1 15	13 16	1 31	14 24	2 11	4 34	0 35	17 41	0 49	23 59	0 32	9 39	9 58	28 20		n.a.
T 10	16 30	25 37	3 33	18 39	1 14	23 6	1 8	2 2	1 15	13 15	1 31	14 23	2 11	4 35	0 35	17 41	0 49	23 59	0 32	9 41	9 59	28 19		n.a.
W11	16 48	21 45	2 34	19 11	1 19	23 19	1 10	1 46	1 15	13 13	1 31	14 21	2 11	4 36	0 35	17 41	0 49	23 59	0 32	9 42	10 0	28 19		n.a.
T 12	17 5	16 45	1 26	19 41	1 24	23 32	1 12	1 31	1 15	13 12	1 30	14 20	2 11	4 38	0 35	17 41	0 49	23 59	0 32	9 42	10 2	28 18		n.a.
F 13	17 23	11 1	0 16	20 11	1 29	23 45	1 14	1 15	1 15	13 11	1 30	14 19	2 11	4 39	0 35	17 41	0 49	23 59	0 32	9 42	10 3	28 18		n.a.
S 14	17 40	4 54	0n55	20 39	1 34	23 56	1 16	1 0	1 15	13 9	1 30	14 17	2 11	4 40	0 35	17 41	0 49	24 0	0 33	9 42	10 4	28 17		n.a.
S 15	17 57	1n17	2 0	21 7	1 39	24 7	1 18	0 44	1 14	13 8	1 30	14 16	2 11	4 41	0 35	17 41	0 49	24 0	0 33	9 43	10 5	28 17		n.a.
M16	18 13	7 19	2 59	21 33	1 43	24 17	1 20	0 29	1 14	13 6	1 29	14 15	2 11	4 43	0 35	17 41	0 49	24 0	0 33	9 44	10 6	28 16		n.a.
T 17	18 29	12 59	3 48	21 59	1 47	24 27	1 22	0 13	1 14	13 5	1 29	14 13	2 11	4 44	0 35	17 41	0 49	24 0	0 33	9 47	10 7	28 16		n.a.
W18	18 45	18 2	4 25	22 23	1 51	24 36	1 23	0s 3	1 14	13 3	1 29	14 12	2 11	4 45	0 35	17 41	0 49	24 0	0 33	9 51	10 9	28 15		n.a.
T 19	19 0	22 16	4 49	22 46	1 54	24 44	1 25	0 18	1 14	13 1	1 28	14 11	2 11	4 46	0 35	17 41	0 49	24 1	0 33	9 56	10 10	28 15		n.a.
F 20	19 16	25 30	4 59	23 8	1 58	24 51	1 27	0 34	1 14	12 59	1 28	14 9	2 10	4 47	0 35	17 41	0 49	24 1	0 33	10 2	10 11	28 14		n.a.
S 21	19 30	27 32	4 56	23 29	2 0	24 57	1 28	0 49	1 14	12 57	1 28	14 8	2 10	4 49	0 35	17 41	0 49	24 1	0 33	10 7	10 12	28 14		n.a.
S 22	19 45	28 17	4 40	23 48	2 3	25 3	1 30	1 5	1 14	12 55	1 28	14 7	2 10	4 50	0 35	17 41	0 49	24 1	0 33	10 12	10 13	28 13		n.a.
M23	19 59	27 43	4 11	24 6	2 5	25 8	1 31	1 20	1 13	12 53	1 27	14 5	2 10	4 51	0 35	17 41	0 49	24 1	0 33	10 16	10 14	28 12		n.a.
T 24	20 12	25 53	3 32	24 22	2 7	25 12	1 33	1 35	1 13	12 51	1 27	14 4	2 10	4 52	0 35	17 41	0 49	24 2	0 33	10 19	10 16	28 12		n.a.
W25	20 26	22 55	2 44	24 37	2 9	25 15	1 34	1 51	1 13	12 49	1 27	14 3	2 10	4 53	0 35	17 41	0 49	24 2	0 33	10 21	10 17	28 11		n.a.
T 26	20 39	18 57	1 48	24 51	2 10	25 18	1 35	2 6	1 13	12 47	1 27	14 2	2 10	4 54	0 35	17 41	0 49	24 2	0 34	10 22	10 18	28 11		n.a.
F 27	20 51	14 11	0 46	25 3	2 10	25 20	1 37	2 22	1 13	12 45	1 26	14 0	2 9	4 55	0 35	17 41	0 49	24 2	0 34	10 23	10 19	28 10		n.a.
S 28	21 3	8 46	0s19	25 13	2 10	25 21	1 38	2 37	1 13	12 42	1 26	13 59	2 9	4 56	0 35	17 41	0 49	24 2	0 34	10 23	10 20	28 9		n.a.
S 29	21 15	2 52	1 25	25 22	2 10	25 21	1 39	2 53	1 12	12 40	1 26	13 58	2 9	4 58	0 35	17 42	0 49	24 3	0 34	10 23	10 21	28 9		n.a.
M30	21s26	3s21	2s28	25s29	2s 9	25s21	1s40	3s 8	1n12	12s37	1s25	13n57	2s 9	4s59	0n35	17n42	0n50	24s 3	0s34	10s24	10s23	28n 8		n.a.

Julian Day Number = 1645390.5, Delta T = 03h34m02s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'34, Lahiri = - 6°49'34 Julian Calendar 1 Nov. 209 BCE == Greg. Calendar 28 Oct. 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 209 BCE
geocentric

DECEMBER 209 BCE (-208) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 25 5	6♐18'13	16♎16	21♐30	4♑34	11♎13	0♓59	13°R 9	13♎52	13°R42	22♐ 6	3°R17	3♓21	3♋29	n.a.	T 1
W 2	4 29 1	7°19'30	0♏20	23° 2	5°48	11°51	1° 5	13♉ 4	13°55	13♌42	22° 8	3♓10	3°18	3°36	n.a.	W 2
T 3	4 32 58	8°20'47	14°53	24°34	7° 2	12°30	1°12	13° 0	13°57	13°41	22°10	3° 0	3°15	3°42	n.a.	T 3
F 4	4 36 54	9°22'04	29°49	26° 4	8°17	13° 8	1°19	12°56	14° 0	13°41	22°12	2°48	3°11	3°49	n.a.	F 4
S 5	4 40 51	10°23'21	15♐ 0	27°32	9°31	13°46	1°26	12°52	14° 2	13°40	22°14	2°36	3° 8	3°56	n.a.	S 5
S 6	4 44 48	11°24'38	0♑15	28°59	10°45	14°25	1°33	12°48	14° 5	13°40	22°16	2°25	3° 5	4° 3	n.a.	S 6
M 7	4 48 44	12°25'54	15°23	0♑24	11°59	15° 3	1°41	12°44	14° 7	13°39	22°18	2°16	3° 2	4° 9	n.a.	M 7
T 8	4 52 41	13°27'11	0♒14	1°45	13°14	15°41	1°48	12°40	14°10	13°39	22°20	2°10	2°59	4°16	n.a.	T 8
W 9	4 56 37	14°28'26	14°42	3° 3	14°28	16°19	1°56	12°36	14°12	13°38	22°22	2° 7	2°56	4°23	n.a.	W 9
T 10	5 0 34	15°29'41	28°45	4°18	15°42	16°58	2° 4	12°32	14°14	13°37	22°24	2°D 6	2°52	4°29	n.a.	T 10
F 11	5 4 30	16°30'55	12♓23	5°28	16°56	17°36	2°12	12°29	14°16	13°36	22°26	2°R 7	2°49	4°36	n.a.	F 11
S 12	5 8 27	17°32'08	25°38	6°32	18°10	18°14	2°20	12°25	14°19	13°36	22°28	2° 6	2°46	4°43	n.a.	S 12
S 13	5 12 24	18°33'20	8♈32	7°31	19°24	18°52	2°28	12°21	14°21	13°35	22°30	2° 5	2°43	4°49	n.a.	S 13
M14	5 16 20	19°34'32	21°11	8°23	20°38	19°30	2°37	12°18	14°23	13°34	22°32	2° 0	2°40	4°56	n.a.	M14
T 15	5 20 17	20°35'42	3♉36	9° 7	21°52	20° 9	2°45	12°15	14°25	13°33	22°34	1°53	2°36	5° 3	n.a.	T 15
W16	5 24 13	21°36'53	15°51	9°42	23° 6	20°47	2°54	12°11	14°27	13°32	22°36	1°44	2°33	5°10	n.a.	W16
T 17	5 28 10	22°38'02	27°59	10° 8	24°20	21°25	3° 3	12° 8	14°29	13°32	22°38	1°32	2°30	5°16	n.a.	T 17
F 18	5 32 6	23°39'11	10♊ 0	10°23	25°33	22° 3	3°12	12° 5	14°31	13°31	22°40	1°18	2°27	5°23	n.a.	F 18
S 19	5 36 3	24°40'18	21°57	10°R28	26°47	22°41	3°21	12° 2	14°33	13°30	22°42	1° 5	2°24	5°30	n.a.	S 19
S 20	5 39 59	25°41'25	3♋49	10°21	28° 1	23°19	3°30	11°59	14°34	13°29	22°44	0°52	2°21	5°36	n.a.	S 20
M21	5 43 56	26°42'32	15°40	10° 2	29°14	23°57	3°39	11°56	14°36	13°28	22°46	0°42	2°17	5°43	n.a.	M21
T 22	5 47 53	27°43'37	27°30	9°32	0♒28	24°35	3°49	11°54	14°38	13°27	22°48	0°34	2°14	5°50	n.a.	T 22
W23	5 51 49	28°44'42	9♌22	8°51	1°42	25°14	3°59	11°51	14°40	13°26	22°50	0°29	2°11	5°57	n.a.	W23
T 24	5 55 46	29°45'46	21°19	7°59	2°55	25°52	4° 8	11°49	14°41	13°25	22°52	0°26	2° 8	6° 3	n.a.	T 24
F 25	5 59 42	0♑46'50	3♍24	6°59	4° 9	26°30	4°18	11°46	14°43	13°23	22°54	0°D26	2° 5	6°10	n.a.	F 25
S 26	6 3 39	1°47'52	15°42	5°52	5°22	27° 8	4°28	11°44	14°44	13°22	22°56	0°27	2° 2	6°17	n.a.	S 26
S 27	6 7 35	2°48'54	28°18	4°40	6°35	27°46	4°38	11°42	14°46	13°21	22°58	0°R27	1°58	6°23	n.a.	S 27
M28	6 11 32	3°49'55	11♎17	3°25	7°49	28°24	4°49	11°40	14°47	13°20	23° 0	0°27	1°55	6°30	n.a.	M28
T 29	6 15 28	4°50'55	24°42	2°10	9° 2	29° 2	4°59	11°38	14°49	13°19	23° 2	0°25	1°52	6°37	n.a.	T 29
W30	6 19 25	5°51'55	8♏36	0°56	10°15	29°40	5° 9	11°36	14°50	13°18	23° 4	0°21	1°49	6°43	n.a.	W30
T 31	6 23 22	6♑52'53	22♏59	29♐46	11♒28	0♏18	5♓20	11♉34	14♎51	13♌16	23♐ 6	0♓15	1♓46	6♋50	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s37	9s37	3s26	25s34	2s 7	25s19	1s41	3s23	1n12	12s35	1s25	13n56	2s 9	5s 0	0n35	17n42	0n50	24s 3	0s34	10s25	10s24	28n 8			n.a.
W 2	21 47	15 39	4 13	25 37	2 5	25 17	1 42	3 39	1 12	12 32	1 25	13 54	2 8	5 1	0 35	17 42	0 50	24 3	0 34	10 28	10 25	28 7			n.a.
T 3	21 57	21 2	4 45	25 38	2 2	25 14	1 43	3 54	1 12	12 30	1 25	13 53	2 8	5 2	0 35	17 42	0 50	24 3	0 34	10 32	10 26	28 6			n.a.
F 4	22 7	25 13	5 0	25 38	1 58	25 11	1 43	4 9	1 11	12 27	1 24	13 52	2 8	5 3	0 35	17 42	0 50	24 4	0 34	10 36	10 27	28 6			n.a.
S 5	22 16	27 43	4 53	25 36	1 54	25 6	1 44	4 24	1 11	12 24	1 24	13 51	2 8	5 4	0 35	17 43	0 50	24 4	0 34	10 40	10 28	28 5			n.a.
S 6	22 25	28 9	4 26	25 32	1 49	25 1	1 45	4 39	1 11	12 21	1 24	13 50	2 8	5 4	0 35	17 43	0 50	24 4	0 34	10 44	10 30	28 4			n.a.
M 7	22 33	26 28	3 40	25 26	1 43	24 55	1 45	4 55	1 11	12 18	1 24	13 49	2 8	5 5	0 35	17 43	0 50	24 4	0 34	10 47	10 31	28 4			n.a.
T 8	22 41	22 56	2 40	25 18	1 36	24 49	1 46	5 10	1 10	12 15	1 23	13 48	2 7	5 6	0 35	17 43	0 50	24 4	0 35	10 49	10 32	28 3			n.a.
W 9	22 48	18 3	1 31	25 9	1 28	24 41	1 46	5 25	1 10	12 12	1 23	13 47	2 7	5 7	0 35	17 43	0 50	24 5	0 35	10 51	10 33	28 2			n.a.
T 10	22 55	12 19	0 18	24 58	1 19	24 33	1 46	5 40	1 10	12 9	1 23	13 46	2 7	5 8	0 35	17 44	0 50	24 5	0 35	10 51	10 34	28 2			n.a.
F 11	23 2	6 10	0n54	24 45	1 9	24 24	1 47	5 55	1 10	12 6	1 23	13 45	2 7	5 9	0 35	17 44	0 50	24 5	0 35	10 51	10 35	28 1			n.a.
S 12	23 8	0n 6	2 1	24 31	0 58	24 14	1 47	6 10	1 10	12 3	1 22	13 44	2 6	5 10	0 35	17 44	0 50	24 5	0 35	10 51	10 37	28 0			n.a.
S 13	23 13	6 11	3 0	24 16	0 46	24 4	1 47	6 25	1 9	12 0	1 22	13 44	2 6	5 11	0 35	17 44	0 50	24 5	0 35	10 52	10 38	28 0			n.a.
M14	23 18	11 53	3 49	23 59	0 32	23 53	1 47	6 39	1 9	11 56	1 22	13 43	2 6	5 11	0 35	17 45	0 50	24 6	0 35	10 53	10 39	27 59			n.a.
T 15	23 23	17 1	4 26	23 42	0 18	23 41	1 47	6 54	1 9	11 53	1 22	13 42	2 6	5 12	0 36	17 45	0 50	24 6	0 35	10 56	10 40	27 58			n.a.
W16	23 27	21 24	4 50	23 24	0 2	23 28	1 47	7 9	1 8	11 50	1 22	13 41	2 5	5 13	0 36	17 45	0 50	24 6	0 35	10 59	10 41	27 57			n.a.
T 17	23 31	24 49	5 1	23 6	0n14	23 15	1 46	7 24	1 8	11 46	1 21	13 40	2 5	5 14	0 36	17 46	0 50	24 6	0 35	11 3	10 42	27 57			n.a.
F 18	23 34	27 7	4 58	22 47	0 31	23 1	1 46	7 38	1 8	11 43	1 21	13 40	2 5	5 14	0 36	17 46	0 50	24 6	0 35	11 8	10 43	27 56			n.a.
S 19	23 37	28 10	4 42	22 29	0 50	22 47	1 46	7 53	1 8	11 39	1 21	13 39	2 5	5 15	0 36	17 46	0 50	24 7	0 36	11 13	10 45	27 55			n.a.
S 20	23 39	27 54	4 14	22 11	1 8	22 31	1 45	8 8	1 7	11 36	1 21	13 38	2 5	5 16	0 36	17 46	0 50	24 7	0 36	11 18	10 46	27 54			n.a.
M21	23 41	26 21	3 35	21 53	1 27	22 15	1 45	8 22	1 7	11 32	1 20	13 38	2 4	5 16	0 36	17 47	0 50	24 7	0 36	11 21	10 47	27 53			n.a.
T 22	23 42	23 37	2 46	21 37	1 46	21 59	1 44	8 36	1 7	11 28	1 20	13 37	2 4	5 17	0 36	17 47	0 50	24 7	0 36	11 24	10 48	27 53			n.a.
W23	23 43	19 53	1 50	21 21	2 5	21 42	1 43	8 51	1 6	11 24	1 20	13 37	2 4	5 18	0 36	17 47	0 50	24 7	0 36	11 26	10 49	27 52			n.a.
T 24	23 43	15 20	0 49	21 7	2 22	21 24	1 42	9 5	1 6	11 21	1 20	13 36	2 3	5 18	0 36	17 48	0 50	24 8	0 36	11 27	10 50	27 51			n.a.
F 25	23 43	10 8	0s16	20 53	2 39	21 6	1 42	9 19	1 6	11 17	1 20	13 36	2 3	5 19	0 36	17 48	0 50	24 8	0 36	11 27	10 52	27 50			n.a.
S 26	23 43	4 28	1 21	20 42	2 54	20 47	1 41	9 34	1 5	11 13	1 19	13 35	2 3	5 20	0 36	17 49	0 50	24 8	0 36	11 27	10 53	27 49			n.a.
S 27	23 42	1s31	2 24	20 31	3 7	20 27	1 39	9 48	1 5	11 9	1 19	13 35	2 3	5 20	0 36	17 49	0 50	24 8	0 36	11 26	10 54	27 49			n.a.
M28	23 40	7 35	3 21	20 22	3 18	20 7	1 38	10 2	1 4	11 5	1 19	13 34	2 2	5 21	0 36	17 49	0 50	24 8	0 36	11 27	10 55	27 48			n.a.
T 29	23 38	13 32	4 9	20 15	3 27	19 46	1 37	10 16	1 4	11 1	1 19	13 34	2 2	5 21	0 36	17 50	0 51	24 9	0 36	11 27	10 56	27 47			n.a.
W30	23 35	19 1	4 45	20 10	3 33	19 25	1 36	10 30	1 4	10 57	1 19	13 34	2 2	5 22	0 36	17 50	0 51	24 9	0 37	11 29	10 57	27 46			n.a.
T 31	23s32	23s38	5s 4	20s 6	3n37	19s 3	1s34	10s44	1n 3	10s53	1s18	13n33	2s 2	5s22	0n36	17n50	0n51	24s 9	0s37	11s31	10s58	27n45			n.a.

Julian Day Number = 1645420.5, Delta T = 03h34m01s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'30, Lahiri = - 6°49'30 Julian Calendar 1 Dec. 209 BCE == Greg. Calendar 27 Nov. 209 BCE

The year -208 astronomical counting style corresponds to year 209 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

JANUARY 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 27 18	7♉53'51	7♐49	28°R41	12♒41	0♏56	5♓31	11°R32	14♎52	13°R15	23♐ 8	0°R 7	1♓43	6♋57	n.a.	F 1
S 2	6 31 15	8°54'48	22°58	27♐43	13°54	1°34	5°42	11♉31	14°53	13♏14	23°10	29♒59	1°39	7° 4	n.a.	S 2
S 3	6 35 11	9°55'44	8♉16	26°52	15° 7	2°12	5°53	11°29	14°55	13°12	23°12	29°51	1°36	7°10	n.a.	S 3
M 4	6 39 8	10°56'38	23°34	26° 9	16°20	2°50	6° 4	11°28	14°56	13°11	23°14	29°45	1°33	7°17	n.a.	M 4
T 5	6 43 4	11°57'31	8♒39	25°34	17°33	3°28	6°15	11°27	14°57	13°10	23°16	29°41	1°30	7°24	n.a.	T 5
W 6	6 47 1	12°58'23	23°23	25° 8	18°46	4° 5	6°26	11°26	14°57	13° 8	23°18	29°D39	1°27	7°30	n.a.	W 6
T 7	6 50 58	13°59'13	7♓41	24°51	19°59	4°43	6°37	11°25	14°58	13° 7	23°20	29°39	1°23	7°37	n.a.	T 7
F 8	6 54 54	15° 0'01	21°31	24°41	21°11	5°21	6°49	11°24	14°59	13° 6	23°22	29°40	1°20	7°44	n.a.	F 8
S 9	6 58 51	16° 0'47	4♈54	24°D39	22°24	5°59	7° 0	11°23	15° 0	13° 4	23°23	29°41	1°17	7°50	n.a.	S 9
S 10	7 2 47	17° 1'32	17°53	24°44	23°36	6°37	7°12	11°22	15° 1	13° 3	23°25	29°R42	1°14	7°57	n.a.	S 10
M11	7 6 44	18° 2'15	0♉31	24°56	24°49	7°14	7°24	11°22	15° 1	13° 1	23°27	29°41	1°11	8° 4	n.a.	M11
T 12	7 10 40	19° 2'56	12°52	25°15	26° 1	7°52	7°35	11°21	15° 2	13° 0	23°29	29°38	1° 8	8°10	n.a.	T 12
W13	7 14 37	20° 3'35	25° 1	25°39	27°13	8°30	7°47	11°21	15° 2	12°58	23°31	29°33	1° 4	8°17	n.a.	W13
T 14	7 18 33	21° 4'13	7♊ 1	26° 8	28°25	9° 8	7°59	11°21	15° 3	12°57	23°33	29°27	1° 1	8°24	n.a.	T 14
F 15	7 22 30	22° 4'49	18°56	26°43	29°37	9°45	8°11	11°D21	15° 3	12°55	23°35	29°20	0°58	8°31	n.a.	F 15
S 16	7 26 27	23° 5'23	0♋47	27°22	0♓49	10°23	8°23	11°21	15° 4	12°54	23°36	29°13	0°55	8°37	n.a.	S 16
S 17	7 30 23	24° 5'55	12°38	28° 5	2° 1	11° 0	8°36	11°21	15° 4	12°52	23°38	29° 6	0°52	8°44	n.a.	S 17
M18	7 34 20	25° 6'26	24°29	28°52	3°13	11°38	8°48	11°21	15° 4	12°51	23°40	29° 1	0°49	8°51	n.a.	M18
T 19	7 38 16	26° 6'55	6♌23	29°43	4°24	12°16	9° 0	11°22	15° 5	12°49	23°42	28°57	0°45	8°57	n.a.	T 19
W20	7 42 13	27° 7'22	18°22	0♉37	5°36	12°53	9°13	11°22	15° 5	12°47	23°43	28°55	0°42	9° 4	n.a.	W20
T 21	7 46 9	28° 7'48	0♍27	1°34	6°47	13°31	9°25	11°23	15° 5	12°46	23°45	28°D54	0°39	9°11	n.a.	T 21
F 22	7 50 6	29° 8'11	12°42	2°33	7°59	14° 8	9°38	11°24	15°R 5	12°44	23°47	28°55	0°36	9°17	n.a.	F 22
S 23	7 54 2	0♒ 8'34	25° 8	3°36	9°10	14°45	9°51	11°24	15° 5	12°43	23°49	28°56	0°33	9°24	n.a.	S 23
S 24	7 57 59	1° 8'54	7♎49	4°41	10°21	15°23	10° 3	11°25	15° 5	12°41	23°50	28°58	0°29	9°31	n.a.	S 24
M25	8 1 56	2° 9'13	20°48	5°48	11°32	16° 0	10°16	11°26	15° 5	12°39	23°52	29° 0	0°26	9°38	n.a.	M25
T 26	8 5 52	3° 9'31	4♏ 8	6°57	12°43	16°38	10°29	11°28	15° 4	12°38	23°54	29°R 0	0°23	9°44	n.a.	T 26
W27	8 9 49	4° 9'47	17°52	8° 8	13°54	17°15	10°42	11°29	15° 4	12°36	23°55	28°59	0°20	9°51	n.a.	W27
T 28	8 13 45	5°10'02	2♐ 1	9°21	15° 5	17°52	10°55	11°30	15° 4	12°34	23°57	28°58	0°17	9°58	n.a.	T 28
F 29	8 17 42	6°10'15	16°33	10°36	16°15	18°29	11° 8	11°32	15° 4	12°33	23°58	28°55	0°14	10° 4	n.a.	F 29
S 30	8 21 38	7°10'26	1♉23	11°52	17°26	19° 7	11°21	11°33	15° 3	12°31	24° 0	28°52	0°10	10°11	n.a.	S 30
S 31	8 25 35	8♒10'36	16♉26	13♉10	18♓36	19♏44	11♓34	11♉35	15♎ 3	12♌29	24♐ 2	28♒49	0♓ 7	10♋18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s29	26s51	5s 3	20s 5	3n38	18s41	1s33	10s57	1n 3	10s49	1s18	13n33	2s 1	5s23	0n36	17n51	0n51	24s 9	0s37	11s34	11s 0	27n44		n.a.
S 2	23 25	28 14	4 42	20 5	3 38	18 18	1 31	11 11	1 2	10 44	1 18	13 33	2 1	5 23	0 36	17 51	0 51	24 9	0 37	11 37	11 1	27 43		n.a.
S 3	23 21	27 28	4 1	20 6	3 35	17 55	1 30	11 25	1 2	10 40	1 18	13 33	2 1	5 23	0 36	17 52	0 51	24 10	0 37	11 40	11 2	27 43		n.a.
M 4	23 16	24 37	3 2	20 10	3 30	17 31	1 28	11 38	1 2	10 36	1 18	13 32	2 1	5 24	0 36	17 52	0 51	24 10	0 37	11 42	11 3	27 42		n.a.
T 5	23 11	20 6	1 51	20 15	3 24	17 7	1 26	11 52	1 1	10 31	1 18	13 32	2 0	5 24	0 36	17 52	0 51	24 10	0 37	11 43	11 4	27 41		n.a.
W 6	23 5	14 25	0 34	20 21	3 17	16 43	1 24	12 5	1 1	10 27	1 17	13 32	2 0	5 24	0 36	17 53	0 51	24 10	0 37	11 44	11 5	27 40		n.a.
T 7	22 59	8 7	0n43	20 29	3 9	16 18	1 22	12 18	1 0	10 23	1 17	13 32	2 0	5 25	0 36	17 53	0 51	24 10	0 37	11 44	11 6	27 39		n.a.
F 8	22 52	1 38	1 56	20 37	3 0	15 52	1 20	12 31	1 0	10 18	1 17	13 32	1 59	5 25	0 36	17 54	0 51	24 11	0 37	11 43	11 8	27 38		n.a.
S 9	22 45	4n42	2 59	20 47	2 50	15 26	1 18	12 45	0 59	10 14	1 17	13 32	1 59	5 25	0 36	17 54	0 51	24 11	0 38	11 43	11 9	27 37		n.a.
S 10	22 37	10 39	3 51	20 58	2 39	15 0	1 16	12 58	0 59	10 9	1 17	13 32	1 59	5 26	0 36	17 55	0 51	24 11	0 38	11 43	11 10	27 36		n.a.
M11	22 29	16 0	4 31	21 9	2 29	14 33	1 13	13 10	0 58	10 5	1 16	13 32	1 59	5 26	0 36	17 55	0 51	24 11	0 38	11 43	11 11	27 35		n.a.
T 12	22 21	20 35	4 57	21 21	2 18	14 6	1 11	13 23	0 58	10 0	1 16	13 33	1 58	5 26	0 36	17 56	0 51	24 11	0 38	11 44	11 12	27 34		n.a.
W13	22 12	24 14	5 9	21 33	2 7	13 39	1 9	13 36	0 57	9 55	1 16	13 33	1 58	5 26	0 36	17 56	0 51	24 12	0 38	11 46	11 13	27 33		n.a.
T 14	22 3	26 47	5 7	21 45	1 55	13 12	1 6	13 49	0 57	9 51	1 16	13 33	1 58	5 26	0 36	17 56	0 51	24 12	0 38	11 48	11 14	27 32		n.a.
F 15	21 53	28 6	4 52	21 57	1 44	12 44	1 3	14 1	0 56	9 46	1 16	13 33	1 57	5 26	0 36	17 57	0 51	24 12	0 38	11 50	11 16	27 31		n.a.
S 16	21 43	28 8	4 24	22 9	1 33	12 15	1 1	14 14	0 56	9 41	1 16	13 34	1 57	5 27	0 36	17 57	0 51	24 12	0 38	11 53	11 17	27 30		n.a.
S 17	21 33	26 51	3 46	22 21	1 22	11 47	0 58	14 26	0 55	9 37	1 16	13 34	1 57	5 27	0 36	17 58	0 51	24 12	0 38	11 55	11 18	27 29		n.a.
M18	21 22	24 22	2 57	22 32	1 11	11 18	0 55	14 38	0 54	9 32	1 15	13 34	1 57	5 27	0 36	17 58	0 51	24 12	0 38	11 57	11 19	27 28		n.a.
T 19	21 11	20 50	2 0	22 43	1 0	10 49	0 52	14 51	0 54	9 27	1 15	13 35	1 56	5 27	0 36	17 59	0 51	24 13	0 38	11 59	11 20	27 27		n.a.
W20	20 59	16 25	0 57	22 54	0 49	10 20	0 49	15 3	0 53	9 22	1 15	13 35	1 56	5 27	0 36	17 59	0 51	24 13	0 39	11 59	11 21	27 26		n.a.
T 21	20 47	11 19	0s 9	23 4	0 39	9 50	0 46	15 15	0 53	9 17	1 15	13 36	1 56	5 27	0 36	18 0	0 51	24 13	0 39	12 0	11 22	27 25		n.a.
F 22	20 34	5 43	1 15	23 13	0 29	9 20	0 43	15 27	0 52	9 12	1 15	13 36	1 55	5 27	0 37	18 0	0 51	24 13	0 39	11 59	11 24	27 24		n.a.
S 23	20 22	0s10	2 19	23 22	0 19	8 50	0 40	15 38	0 51	9 7	1 15	13 37	1 55	5 27	0 37	18 1	0 51	24 13	0 39	11 59	11 25	27 23		n.a.
S 24	20 8	6 9	3 17	23 29	0 9	8 20	0 37	15 50	0 51	9 2	1 15	13 37	1 55	5 27	0 37	18 1	0 51	24 14	0 39	11 58	11 26	27 22		n.a.
M25	19 55	12 1	4 7	23 36	0s 1	7 50	0 33	16 2	0 50	8 57	1 14	13 38	1 54	5 27	0 37	18 2	0 51	24 14	0 39	11 58	11 27	27 21		n.a.
T 26	19 41	17 31	4 46	23 42	0 10	7 19	0 30	16 13	0 49	8 52	1 14	13 38	1 54	5 27	0 37	18 2	0 51	24 14	0 39	11 58	11 28	27 20		n.a.
W27	19 27	22 17	5 9	23 47	0 19	6 49	0 26	16 24	0 49	8 47	1 14	13 39	1 54	5 27	0 37	18 3	0 51	24 14	0 39	11 58	11 29	27 19		n.a.
T 28	19 12	25 56	5 14	23 50	0 27	6 18	0 23	16 36	0 48	8 42	1 14	13 40	1 54	5 26	0 37	18 3	0 51	24 14	0 39	11 58	11 30	27 18		n.a.
F 29	18 57	28 0	5 0	23 53	0 36	5 47	0 19	16 47	0 47	8 37	1 14	13 40	1 53	5 26	0 37	18 4	0 51	24 14	0 40	11 59	11 31	27 17		n.a.
S 30	18 42	28 8	4 26	23 55	0 44	5 16	0 16	16 58	0 46	8 32	1 14	13 41	1 53	5 26	0 37	18 4	0 51	24 15	0 40	12 0	11 33	27 16		n.a.
S 31	18s26	26s13	3s33	23s55	0s51	4s44	0s12	17s 9	0n46	8s26	1s14	13n42	1s53	5s26	0n37	18n 5	0n51	24s15	0s40	12s 1	11s34	27n14		n.a.

Julian Day Number = 1645451.5, Delta T = 03h34m00s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'26, Lahiri = - 6°49'25 Julian Calendar 1 Jan. 208 BCE == Greg. Calendar 28 Dec. 209 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

FEBRUARY 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 29 31	9♒10'43	1♒33	14♉30	19♓46	20♏21	11♓47	11♉37	15°R 2	12°R28	24♐ 3	28°R47	0♓ 4	10♋24	n.a.	M 1
T 2	8 33 28	10°10'49	16°34	15°51	20°57	20°58	12° 1	11°39	15♎ 2	12♌26	24° 5	28♒45	0° 1	10°31	n.a.	T 2
W 3	8 37 25	11°10'53	1♓20	17°14	22° 6	21°35	12°14	11°41	15° 1	12°24	24° 6	28°D45	29♒58	10°38	n.a.	W 3
T 4	8 41 21	12°10'54	15°45	18°38	23°16	22°12	12°28	11°43	15° 0	12°23	24° 8	28°46	29°55	10°44	n.a.	T 4
F 5	8 45 18	13°10'53	29°45	20° 3	24°26	22°49	12°41	11°45	15° 0	12°21	24° 9	28°47	29°51	10°51	n.a.	F 5
S 6	8 49 14	14°10'50	13♈18	21°30	25°36	23°26	12°55	11°48	14°59	12°19	24°11	28°48	29°48	10°58	n.a.	S 6
S 7	8 53 11	15°10'45	26°25	22°57	26°45	24° 3	13° 8	11°50	14°58	12°18	24°12	28°49	29°45	11° 5	n.a.	S 7
M 8	8 57 7	16°10'38	9♉ 9	24°27	27°54	24°39	13°22	11°53	14°57	12°16	24°13	28°50	29°42	11°11	n.a.	M 8
T 9	9 1 4	17°10'28	21°34	25°57	29° 3	25°16	13°35	11°56	14°56	12°14	24°15	28°R50	29°39	11°18	n.a.	T 9
W10	9 5 0	18°10'15	3♊43	27°29	0♈12	25°53	13°49	11°58	14°55	12°13	24°16	28°49	29°35	11°25	n.a.	W10
T 11	9 8 57	19°10'01	15°41	29° 2	1°21	26°30	14° 3	12° 1	14°54	12°11	24°17	28°48	29°32	11°31	n.a.	T 11
F 12	9 12 54	20° 9'44	27°34	0♒36	2°30	27° 6	14°16	12° 4	14°53	12° 9	24°19	28°47	29°29	11°38	n.a.	F 12
S 13	9 16 50	21° 9'25	9♋23	2°11	3°38	27°43	14°30	12° 7	14°52	12° 8	24°20	28°46	29°26	11°45	n.a.	S 13
S 14	9 20 47	22° 9'04	21°14	3°48	4°46	28°19	14°44	12°11	14°51	12° 6	24°21	28°45	29°23	11°51	n.a.	S 14
M15	9 24 43	23° 8'40	3♌ 9	5°25	5°54	28°56	14°58	12°14	14°50	12° 4	24°22	28°44	29°20	11°58	n.a.	M15
T 16	9 28 40	24° 8'14	15° 9	7° 4	7° 2	29°32	15°12	12°17	14°49	12° 3	24°24	28°44	29°16	12° 5	n.a.	T 16
W17	9 32 36	25° 7'46	27°18	8°45	8°10	0♐ 8	15°26	12°21	14°47	12° 1	24°25	28°D44	29°13	12°11	n.a.	W17
T 18	9 36 33	26° 7'16	9♍37	10°26	9°17	0°45	15°40	12°25	14°46	12° 0	24°26	28°44	29°10	12°18	n.a.	T 18
F 19	9 40 29	27° 6'43	22° 8	12° 9	10°25	1°21	15°54	12°28	14°45	11°58	24°27	28°44	29° 7	12°25	n.a.	F 19
S 20	9 44 26	28° 6'09	4♎50	13°53	11°32	1°57	16° 8	12°32	14°43	11°56	24°28	28°44	29° 4	12°31	n.a.	S 20
S 21	9 48 23	29° 5'32	17°47	15°39	12°39	2°33	16°22	12°36	14°42	11°55	24°29	28°R44	29° 0	12°38	n.a.	S 21
M22	9 52 19	0♓ 4'54	0♏58	17°25	13°45	3° 9	16°36	12°40	14°40	11°53	24°30	28°44	28°57	12°45	n.a.	M22
T 23	9 56 16	1° 4'14	14°25	19°13	14°52	3°45	16°50	12°44	14°39	11°52	24°31	28°44	28°54	12°52	n.a.	T 23
W24	10 0 12	2° 3'32	28° 8	21° 3	15°58	4°21	17° 4	12°48	14°37	11°50	24°32	28°D44	28°51	12°58	n.a.	W24
T 25	10 4 9	3° 2'48	12♐ 8	22°53	17° 4	4°57	17°18	12°52	14°35	11°49	24°33	28°44	28°48	13° 5	n.a.	T 25
F 26	10 8 5	4° 2'02	26°24	24°45	18°10	5°33	17°33	12°57	14°34	11°47	24°34	28°44	28°45	13°12	n.a.	F 26
S 27	10 12 2	5° 1'15	10♉52	26°39	19°16	6° 8	17°47	13° 1	14°32	11°46	24°35	28°44	28°41	13°18	n.a.	S 27
S 28	10 15 58	6♓ 0'26	25♉30	28♒33	20♈21	6♐44	18♓ 1	13♉ 6	14♎30	11♌44	24♐36	28♒45	28♒38	13♋25	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s10	22s24	2s25	23s54	0s59	4s13	0s 8	17s19	0n45	8s21	1s14	13n43	1s52	5s26	0n37	18n 5	0n51	24s15	0s40	12s 2	11s35	27n13		n.a.
T 2	17 54	17 7	1 7	23 51	1 6	3 42	0 4	17 30	0 44	8 16	1 14	13 44	1 52	5 25	0 37	18 6	0 51	24 15	0 40	12 3	11 36	27 12		n.a.
W 3	17 38	10 54	0n14	23 48	1 12	3 10	0 0	17 41	0 43	8 11	1 13	13 45	1 52	5 25	0 37	18 6	0 51	24 15	0 40	12 3	11 37	27 11		n.a.
T 4	17 21	4 16	1 33	23 43	1 19	2 39	0n 3	17 51	0 43	8 5	1 13	13 46	1 52	5 25	0 37	18 7	0 51	24 16	0 40	12 3	11 38	27 10		n.a.
F 5	17 4	2n23	2 43	23 36	1 25	2 7	0 7	18 1	0 42	8 0	1 13	13 47	1 51	5 25	0 37	18 7	0 51	24 16	0 40	12 2	11 39	27 9		n.a.
S 6	16 46	8 43	3 42	23 28	1 31	1 36	0 11	18 11	0 41	7 55	1 13	13 48	1 51	5 24	0 37	18 8	0 51	24 16	0 40	12 2	11 40	27 8		n.a.
S 7	16 28	14 27	4 28	23 19	1 36	1 4	0 16	18 21	0 40	7 49	1 13	13 49	1 51	5 24	0 37	18 8	0 51	24 16	0 40	12 1	11 42	27 7		n.a.
M 8	16 10	19 25	4 58	23 8	1 41	0 33	0 20	18 31	0 39	7 44	1 13	13 50	1 51	5 24	0 37	18 8	0 51	24 16	0 41	12 1	11 43	27 5		n.a.
T 9	15 52	23 25	5 14	22 56	1 46	0 1	0 24	18 41	0 38	7 39	1 13	13 51	1 50	5 23	0 37	18 9	0 51	24 16	0 41	12 1	11 44	27 4		n.a.
W10	15 34	26 18	5 15	22 42	1 50	0n31	0 28	18 51	0 38	7 33	1 13	13 52	1 50	5 23	0 37	18 9	0 51	24 17	0 41	12 1	11 45	27 3		n.a.
T 11	15 15	27 58	5 3	22 27	1 54	1 2	0 32	19 0	0 37	7 28	1 13	13 53	1 50	5 22	0 37	18 10	0 51	24 17	0 41	12 2	11 46	27 2		n.a.
F 12	14 56	28 20	4 38	22 10	1 57	1 34	0 36	19 10	0 36	7 22	1 13	13 54	1 49	5 22	0 37	18 10	0 51	24 17	0 41	12 2	11 47	27 1		n.a.
S 13	14 37	27 23	4 1	21 52	2 0	2 5	0 41	19 19	0 35	7 17	1 12	13 55	1 49	5 21	0 37	18 11	0 51	24 17	0 41	12 2	11 48	26 59		n.a.
S 14	14 17	25 12	3 13	21 31	2 3	2 36	0 45	19 28	0 34	7 11	1 12	13 57	1 49	5 21	0 37	18 11	0 51	24 17	0 41	12 3	11 49	26 58		n.a.
M15	13 58	21 55	2 17	21 10	2 5	3 8	0 49	19 37	0 33	7 6	1 12	13 58	1 49	5 21	0 37	18 12	0 51	24 17	0 41	12 3	11 51	26 57		n.a.
T 16	13 38	17 40	1 15	20 46	2 7	3 39	0 54	19 46	0 32	7 0	1 12	13 59	1 48	5 20	0 37	18 12	0 51	24 18	0 41	12 3	11 52	26 56		n.a.
W17	13 18	12 40	0 8	20 21	2 8	4 10	0 58	19 55	0 31	6 55	1 12	14 1	1 48	5 19	0 37	18 13	0 51	24 18	0 42	12 3	11 53	26 55		n.a.
T 18	12 58	7 8	1s 0	19 54	2 9	4 41	1 3	20 4	0 30	6 49	1 12	14 2	1 48	5 19	0 37	18 13	0 51	24 18	0 42	12 3	11 54	26 53		n.a.
F 19	12 37	1 14	2 6	19 26	2 10	5 12	1 7	20 12	0 29	6 44	1 12	14 3	1 48	5 18	0 37	18 14	0 51	24 18	0 42	12 3	11 55	26 52		n.a.
S 20	12 16	4s48	3 7	18 56	2 10	5 42	1 11	20 21	0 28	6 38	1 12	14 5	1 47	5 18	0 37	18 14	0 51	24 18	0 42	12 3	11 56	26 51		n.a.
S 21	11 56	10 45	4 0	18 24	2 10	6 13	1 16	20 29	0 27	6 33	1 12	14 6	1 47	5 17	0 37	18 15	0 51	24 18	0 42	12 3	11 57	26 50		n.a.
M22	11 35	16 19	4 41	17 50	2 9	6 43	1 20	20 37	0 26	6 27	1 12	14 8	1 47	5 17	0 37	18 15	0 51	24 18	0 42	12 3	11 58	26 48		n.a.
T 23	11 13	21 14	5 7	17 15	2 7	7 14	1 25	20 45	0 24	6 21	1 12	14 9	1 47	5 16	0 37	18 15	0 51	24 19	0 42	12 3	12 0	26 47		n.a.
W24	10 52	25 8	5 17	16 38	2 5	7 44	1 29	20 53	0 23	6 16	1 12	14 11	1 46	5 15	0 37	18 16	0 51	24 19	0 42	12 3	12 1	26 46		n.a.
T 25	10 30	27 37	5 9	15 59	2 3	8 13	1 34	21 1	0 22	6 10	1 12	14 12	1 46	5 15	0 37	18 16	0 51	24 19	0 42	12 3	12 2	26 44		n.a.
F 26	10 9	28 21	4 41	15 18	2 0	8 43	1 38	21 8	0 21	6 4	1 12	14 14	1 46	5 14	0 37	18 17	0 51	24 19	0 43	12 3	12 3	26 43		n.a.
S 27	9 47	27 11	3 56	14 36	1 56	9 13	1 43	21 16	0 20	5 59	1 12	14 15	1 46	5 13	0 37	18 17	0 51	24 19	0 43	12 3	12 4	26 42		n.a.
S 28	9s25	24s 9	2s54	13s52	1s52	9n42	1n47	21s23	0n19	5s53	1s11	14n17	1s45	5s13	0n37	18n18	0n51	24s19	0s43	12s 3	12s 5	26n41		n.a.

Julian Day Number = 1645482.5, Delta T = 03h33m59s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'22, Lahiri = - 6°49'21 Julian Calendar 1 Feb. 208 BCE == Greg. Calendar 28 Jan. 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

MARCH 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 19 55	6♓59'34	10♒12	0♓29	21♈26	7♐19	18♓15	13♉10	14°R28	11°R43	24♐37	28♒46	28♒35	13♋32	n.a.	M 1
T 2	10 23 52	7°58'41	24°52	2°26	22°31	7°55	18°30	13°15	14♎27	11♌41	24°38	28°R46	28°32	13°38	n.a.	T 2
W 3	10 27 48	8°57'46	9♓24	4°25	23°36	8°30	18°44	13°20	14°25	11°40	24°39	28°46	28°29	13°45	n.a.	W 3
T 4	10 31 45	9°56'48	23°41	6°25	24°40	9° 5	18°58	13°25	14°23	11°38	24°39	28°45	28°26	13°52	n.a.	T 4
F 5	10 35 41	10°55'48	7♈38	8°26	25°44	9°41	19°13	13°30	14°21	11°37	24°40	28°44	28°22	13°58	n.a.	F 5
S 6	10 39 38	11°54'46	21°13	10°28	26°48	10°16	19°27	13°35	14°19	11°35	24°41	28°42	28°19	14° 5	n.a.	S 6
S 7	10 43 34	12°53'41	4♉24	12°31	27°51	10°51	19°41	13°40	14°17	11°34	24°42	28°40	28°16	14°12	n.a.	S 7
M 8	10 47 31	13°52'35	17°13	14°35	28°54	11°26	19°56	13°45	14°15	11°33	24°42	28°39	28°13	14°18	n.a.	M 8
T 9	10 51 27	14°51'26	29°42	16°39	29°57	12° 0	20°10	13°50	14°13	11°31	24°43	28°37	28°10	14°25	n.a.	T 9
W10	10 55 24	15°50'14	11♊54	18°44	1♉ 0	12°35	20°24	13°56	14°11	11°30	24°43	28°D37	28° 6	14°32	n.a.	W10
T 11	10 59 20	16°49'01	23°54	20°50	2° 2	13°10	20°39	14° 1	14° 9	11°29	24°44	28°37	28° 3	14°38	n.a.	T 11
F 12	11 3 17	17°47'45	5♋46	22°56	3° 4	13°44	20°53	14° 6	14° 6	11°27	24°45	28°38	28° 0	14°45	n.a.	F 12
S 13	11 7 14	18°46'26	17°36	25° 1	4° 5	14°19	21° 7	14°12	14° 4	11°26	24°45	28°39	27°57	14°52	n.a.	S 13
S 14	11 11 10	19°45'05	29°28	27° 6	5° 6	14°53	21°22	14°18	14° 2	11°25	24°46	28°41	27°54	14°59	n.a.	S 14
M15	11 15 7	20°43'43	11♌26	29°11	6° 7	15°27	21°36	14°23	14° 0	11°24	24°46	28°42	27°51	15° 5	n.a.	M15
T 16	11 19 3	21°42'17	23°34	1♈14	7° 8	16° 1	21°51	14°29	13°58	11°22	24°47	28°R43	27°47	15°12	n.a.	T 16
W17	11 23 0	22°40'50	5♍54	3°16	8° 8	16°35	22° 5	14°35	13°55	11°21	24°47	28°43	27°44	15°19	n.a.	W17
T 18	11 26 56	23°39'20	18°28	5°17	9° 7	17° 9	22°19	14°41	13°53	11°20	24°47	28°42	27°41	15°25	n.a.	T 18
F 19	11 30 53	24°37'49	1♎18	7°15	10° 6	17°42	22°34	14°47	13°51	11°19	24°48	28°39	27°38	15°32	n.a.	F 19
S 20	11 34 49	25°36'15	14°23	9°11	11° 5	18°16	22°48	14°53	13°48	11°18	24°48	28°36	27°35	15°39	n.a.	S 20
S 21	11 38 46	26°34'40	27°43	11° 5	12° 3	18°49	23° 2	14°59	13°46	11°17	24°48	28°31	27°32	15°45	n.a.	S 21
M22	11 42 42	27°33'02	11♏17	12°55	13° 1	19°23	23°17	15° 5	13°43	11°16	24°49	28°27	27°28	15°52	n.a.	M22
T 23	11 46 39	28°31'23	25° 1	14°42	13°59	19°56	23°31	15°11	13°41	11°15	24°49	28°23	27°25	15°59	n.a.	T 23
W24	11 50 36	29°29'43	8♐56	16°26	14°55	20°29	23°45	15°18	13°39	11°14	24°49	28°20	27°22	16° 5	n.a.	W24
T 25	11 54 32	0♈28'01	22°59	18° 6	15°52	21° 2	24° 0	15°24	13°36	11°13	24°49	28°19	27°19	16°12	n.a.	T 25
F 26	11 58 29	1°26'17	7♑ 7	19°42	16°48	21°35	24°14	15°30	13°34	11°12	24°49	28°D19	27°16	16°19	n.a.	F 26
S 27	12 2 25	2°24'32	21°21	21°15	17°43	22° 7	24°28	15°37	13°31	11°11	24°49	28°20	27°12	16°25	n.a.	S 27
S 28	12 6 22	3°22'45	5♒36	22°43	18°38	22°40	24°43	15°43	13°29	11°10	24°50	28°21	27° 9	16°32	n.a.	S 28
M29	12 10 18	4°20'57	19°52	24° 6	19°32	23°12	24°57	15°50	13°26	11° 9	24°50	28°22	27° 6	16°39	n.a.	M29
T 30	12 14 15	5°19'06	4♓ 5	25°26	20°26	23°44	25°11	15°56	13°24	11° 8	24°R50	28°R22	27° 3	16°45	n.a.	T 30
W31	12 18 11	6♈17'14	18♓12	26♈41	21♉19	24♐16	25♓25	16♉ 3	13♎21	11♌ 7	24♐50	28♒21	27♒ 0	16♋52	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9s 3	19s31	1s41	13s 7	1s48	10n11	1n52	21s30	0n17	5s47	1s11	14n19	1s45	5s12	0n37	18n18	0n51	24s20	0s43	12s 3	12s 6	26n39		n.a.
T 2	8 41	13 43	0 22	12 19	1 43	10 40	1 56	21 37	0 16	5 42	1 11	14 20	1 45	5 11	0 37	18 18	0 51	24 20	0 43	12 2	12 7	26 38		n.a.
W 3	8 18	7 14	0n59	11 31	1 37	11 8	2 1	21 44	0 15	5 36	1 11	14 22	1 45	5 10	0 37	18 19	0 51	24 20	0 43	12 2	12 9	26 37		n.a.
T 4	7 56	0 30	2 14	10 40	1 31	11 36	2 5	21 51	0 13	5 30	1 11	14 24	1 44	5 10	0 37	18 19	0 51	24 20	0 43	12 3	12 10	26 35		n.a.
F 5	7 33	6n 6	3 19	9 48	1 24	12 4	2 10	21 58	0 12	5 25	1 11	14 25	1 44	5 9	0 37	18 20	0 51	24 20	0 43	12 3	12 11	26 34		n.a.
S 6	7 11	12 14	4 11	8 55	1 17	12 32	2 14	22 4	0 11	5 19	1 11	14 27	1 44	5 8	0 37	18 20	0 51	24 20	0 43	12 4	12 12	26 32		n.a.
S 7	6 48	17 39	4 48	8 0	1 9	12 59	2 19	22 11	0 9	5 13	1 11	14 29	1 44	5 7	0 37	18 20	0 51	24 20	0 44	12 4	12 13	26 31		n.a.
M 8	6 25	22 7	5 10	7 4	1 1	13 26	2 23	22 17	0 8	5 7	1 11	14 31	1 43	5 6	0 37	18 21	0 51	24 21	0 44	12 5	12 14	26 30		n.a.
T 9	6 2	25 28	5 16	6 7	0 52	13 53	2 28	22 23	0 7	5 2	1 11	14 32	1 43	5 6	0 37	18 21	0 51	24 21	0 44	12 6	12 15	26 28		n.a.
W10	5 39	27 34	5 8	5 9	0 43	14 19	2 32	22 29	0 5	4 56	1 11	14 34	1 43	5 5	0 37	18 22	0 51	24 21	0 44	12 6	12 16	26 27		n.a.
T 11	5 16	28 20	4 46	4 11	0 33	14 45	2 36	22 35	0 4	4 50	1 11	14 36	1 43	5 4	0 37	18 22	0 51	24 21	0 44	12 6	12 17	26 26		n.a.
F 12	4 53	27 48	4 12	3 11	0 23	15 11	2 40	22 41	0 2	4 44	1 11	14 38	1 43	5 3	0 37	18 22	0 51	24 21	0 44	12 5	12 19	26 24		n.a.
S 13	4 30	25 59	3 28	2 11	0 12	15 36	2 45	22 47	0 1	4 39	1 11	14 40	1 42	5 2	0 38	18 23	0 51	24 21	0 44	12 5	12 20	26 23		n.a.
S 14	4 6	23 1	2 34	1 11	0 1	16 1	2 49	22 52	0s 1	4 33	1 11	14 42	1 42	5 1	0 38	18 23	0 51	24 21	0 44	12 4	12 21	26 21		n.a.
M15	3 43	19 3	1 34	0 11	0n10	16 26	2 53	22 58	0 2	4 27	1 11	14 43	1 42	5 1	0 38	18 23	0 51	24 21	0 44	12 4	12 22	26 20		n.a.
T 16	3 20	14 16	0 28	0n49	0 21	16 50	2 57	23 3	0 4	4 21	1 11	14 45	1 42	5 0	0 38	18 24	0 51	24 22	0 45	12 4	12 23	26 19		n.a.
W17	2 56	8 51	0s39	1 48	0 32	17 14	3 1	23 8	0 6	4 16	1 11	14 47	1 41	4 59	0 38	18 24	0 51	24 22	0 45	12 4	12 24	26 17		n.a.
T 18	2 33	2 59	1 47	2 47	0 44	17 37	3 5	23 13	0 7	4 10	1 11	14 49	1 41	4 58	0 38	18 24	0 51	24 22	0 45	12 4	12 25	26 16		n.a.
F 19	2 9	3s 7	2 49	3 45	0 55	18 0	3 9	23 18	0 9	4 4	1 11	14 51	1 41	4 57	0 38	18 25	0 51	24 22	0 45	12 5	12 26	26 14		n.a.
S 20	1 46	9 11	3 45	4 41	1 6	18 23	3 13	23 23	0 11	3 59	1 11	14 53	1 41	4 56	0 38	18 25	0 51	24 22	0 45	12 6	12 27	26 13		n.a.
S 21	1 23	14 57	4 29	5 37	1 17	18 45	3 17	23 27	0 12	3 53	1 11	14 55	1 41	4 55	0 38	18 25	0 51	24 22	0 45	12 8	12 28	26 11		n.a.
M22	0 59	20 7	4 59	6 30	1 28	19 6	3 20	23 32	0 14	3 47	1 11	14 57	1 40	4 54	0 38	18 25	0 51	24 22	0 45	12 9	12 30	26 10		n.a.
T 23	0 36	24 17	5 12	7 22	1 38	19 28	3 24	23 36	0 16	3 41	1 11	14 59	1 40	4 53	0 38	18 26	0 51	24 22	0 45	12 11	12 31	26 8		n.a.
W24	0 12	27 6	5 7	8 11	1 48	19 48	3 28	23 40	0 18	3 36	1 11	15 1	1 40	4 52	0 38	18 26	0 51	24 23	0 45	12 12	12 32	26 7		n.a.
T 25	0n11	28 16	4 44	8 59	1 57	20 9	3 31	23 45	0 20	3 30	1 11	15 3	1 40	4 51	0 38	18 26	0 51	24 23	0 46	12 12	12 33	26 5		n.a.
F 26	0 35	27 35	4 4	9 44	2 6	20 28	3 34	23 49	0 22	3 24	1 11	15 5	1 40	4 50	0 38	18 27	0 51	24 23	0 46	12 12	12 34	26 4		n.a.
S 27	0 58	25 6	3 8	10 27	2 14	20 48	3 38	23 53	0 24	3 18	1 11	15 7	1 39	4 49	0 38	18 27	0 51	24 23	0 46	12 12	12 35	26 2		n.a.
S 28	1 22	21 3	2 1	11 7	2 21	21 6	3 41	23 56	0 25	3 13	1 11	15 9	1 39	4 48	0 38	18 27	0 51	24 23	0 46	12 11	12 36	26 1		n.a.
M29	1 45	15 45	0 46	11 45	2 28	21 25	3 44	24 0	0 27	3 7	1 11	15 12	1 39	4 47	0 38	18 27	0 51	24 23	0 46	12 11	12 37	25 59		n.a.
T 30	2 8	9 39	0n31	12 20	2 34	21 42	3 47	24 4	0 29	3 1	1 11	15 14	1 39	4 46	0 38	18 27	0 51	24 23	0 46	12 11	12 38	25 58		n.a.
W31	2n32	3s 6	1n46	12n52	2n39	22n 0	3n50	24s 7	0s31	2s56	1s11	15n16	1s39	4s45	0n38	18n28	0n51	24s23	0s46	12s11	12s40	25n56		n.a.

Julian Day Number = 1645510.5, Delta T = 03h33m58s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'18, Lahiri = - 6°49'17 Julian Calendar 1 March 208 BCE == Greg. Calendar 25 Feb. 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

APRIL 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 22 8	7♈15'21	2♈ 8	27♈51	22♉11	24♐48	25♓39	16♉10	13°R19	11°R 7	24°R50	28°R17	26♒57	16♋59	n.a.	T 1
F 2	12 26 5	8°13'25	15°50	28°57	23° 3	25°20	25°54	16°17	13♎16	11♌ 6	24♐49	28♒12	26°53	17° 5	n.a.	F 2
S 3	12 30 1	9°11'28	29°15	29°58	23°54	25°51	26° 8	16°23	13°14	11° 5	24°49	28° 6	26°50	17°12	n.a.	S 3
S 4	12 33 58	10° 9'29	12♉21	0♉54	24°44	26°22	26°22	16°30	13°11	11° 5	24°49	27°59	26°47	17°19	n.a.	S 4
M 5	12 37 54	11° 7'29	25° 7	1°45	25°34	26°53	26°36	16°37	13° 9	11° 4	24°49	27°52	26°44	17°25	n.a.	M 5
T 6	12 41 51	12° 5'26	7♊36	2°32	26°23	27°24	26°50	16°44	13° 6	11° 3	24°49	27°46	26°41	17°32	n.a.	T 6
W 7	12 45 47	13° 3'22	19°49	3°13	27°11	27°55	27° 4	16°51	13° 4	11° 3	24°49	27°41	26°37	17°39	n.a.	W 7
T 8	12 49 44	14° 1'15	1♋49	3°50	27°58	28°25	27°18	16°58	13° 1	11° 2	24°49	27°38	26°34	17°46	n.a.	T 8
F 9	12 53 40	14°59'07	13°42	4°21	28°44	28°55	27°32	17° 5	12°59	11° 1	24°48	27°D37	26°31	17°52	n.a.	F 9
S 10	12 57 37	15°56'57	25°32	4°47	29°30	29°25	27°46	17°12	12°56	11° 1	24°48	27°38	26°28	17°59	n.a.	S 10
S 11	13 1 34	16°54'45	7♌25	5° 8	0♊14	29°55	28° 0	17°20	12°54	11° 0	24°48	27°39	26°25	18° 6	n.a.	S 11
M12	13 5 30	17°52'31	19°25	5°25	0°58	0♏24	28°14	17°27	12°51	11° 0	24°47	27°40	26°22	18°12	n.a.	M12
T 13	13 9 27	18°50'16	1♍37	5°35	1°41	0°54	28°28	17°34	12°49	11° 0	24°47	27°R40	26°18	18°19	n.a.	T 13
W14	13 13 23	19°47'58	14° 5	5°41	2°22	1°23	28°42	17°41	12°46	10°59	24°47	27°39	26°15	18°26	n.a.	W14
T 15	13 17 20	20°45'39	26°52	5°R42	3° 3	1°52	28°56	17°49	12°44	10°59	24°46	27°35	26°12	18°32	n.a.	T 15
F 16	13 21 16	21°43'19	10♎ 0	5°39	3°42	2°20	29°10	17°56	12°41	10°59	24°46	27°30	26° 9	18°39	n.a.	F 16
S 17	13 25 13	22°40'57	23°27	5°30	4°21	2°48	29°23	18° 3	12°39	10°58	24°45	27°22	26° 6	18°46	n.a.	S 17
S 18	13 29 9	23°38'33	7♏13	5°17	4°58	3°16	29°37	18°11	12°36	10°58	24°45	27°13	26° 3	18°52	n.a.	S 18
M19	13 33 6	24°36'09	21°13	5° 0	5°34	3°44	29°51	18°18	12°34	10°58	24°44	27° 4	25°59	18°59	n.a.	M19
T 20	13 37 3	25°33'43	5♐23	4°40	6° 8	4°12	0♈ 4	18°26	12°31	10°58	24°44	26°56	25°56	19° 6	n.a.	T 20
W21	13 40 59	26°31'16	19°39	4°16	6°41	4°39	0°18	18°33	12°29	10°57	24°43	26°49	25°53	19°12	n.a.	W21
T 22	13 44 56	27°28'48	3♑55	3°48	7°13	5° 6	0°31	18°41	12°26	10°57	24°42	26°45	25°50	19°19	n.a.	T 22
F 23	13 48 52	28°26'19	18°10	3°19	7°44	5°33	0°45	18°48	12°24	10°57	24°42	26°42	25°47	19°26	n.a.	F 23
S 24	13 52 49	29°23'50	2♒19	2°47	8°13	5°59	0°58	18°56	12°21	10°57	24°41	26°D42	25°43	19°32	n.a.	S 24
S 25	13 56 45	0♉21'19	16°23	2°14	8°40	6°25	1°12	19° 4	12°19	10°57	24°40	26°42	25°40	19°39	n.a.	S 25
M26	14 0 42	1°18'47	0♓19	1°41	9° 6	6°50	1°25	19°11	12°17	10°D57	24°40	26°R43	25°37	19°46	n.a.	M26
T 27	14 4 38	2°16'14	14° 9	1° 7	9°30	7°16	1°38	19°19	12°14	10°57	24°39	26°41	25°34	19°52	n.a.	T 27
W28	14 8 35	3°13'41	27°50	0°33	9°52	7°41	1°52	19°27	12°12	10°57	24°38	26°38	25°31	19°59	n.a.	W28
T 29	14 12 32	4°11'06	11♈21	0° 0	10°13	8° 5	2° 5	19°34	12°10	10°57	24°37	26°32	25°28	20° 6	n.a.	T 29
F 30	14 16 28	5♉ 8'31	24♈41	29♈29	10♊32	8♏30	2♈18	19♉42	12♎ 8	10♌57	24♐37	26♒23	25♒24	20♋12	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n55	3n30	2n53	13n22	2n43	22n16	3n53	24s11	0s34	2s50	1s11	15n18	1s39	4s44	0n38	18n28	0n51	24s24	0s46	12s12	12s41	25n55		n.a.
F 2	3 18	9 49	3 49	13 49	2 46	22 33	3 55	24 14	0 36	2 44	1 11	15 20	1 38	4 43	0 38	18 28	0 51	24 24	0 47	12 14	12 42	25 53		n.a.
S 3	3 41	15 33	4 31	14 13	2 49	22 48	3 58	24 17	0 38	2 39	1 11	15 22	1 38	4 42	0 38	18 28	0 51	24 24	0 47	12 17	12 43	25 52		n.a.
S 4	4 4	20 26	4 58	14 34	2 50	23 3	4 0	24 20	0 40	2 33	1 11	15 24	1 38	4 41	0 38	18 28	0 51	24 24	0 47	12 19	12 44	25 50		n.a.
M 5	4 27	24 15	5 9	14 53	2 50	23 18	4 3	24 23	0 42	2 27	1 11	15 26	1 38	4 40	0 38	18 29	0 51	24 24	0 47	12 22	12 45	25 49		n.a.
T 6	4 50	26 50	5 4	15 9	2 50	23 32	4 5	24 26	0 44	2 22	1 11	15 28	1 38	4 39	0 38	18 29	0 51	24 24	0 47	12 24	12 46	25 47		n.a.
W 7	5 13	28 5	4 46	15 22	2 48	23 45	4 7	24 29	0 47	2 16	1 11	15 31	1 38	4 38	0 38	18 29	0 51	24 24	0 47	12 25	12 47	25 45		n.a.
T 8	5 36	27 59	4 16	15 32	2 45	23 58	4 9	24 32	0 49	2 10	1 11	15 33	1 37	4 37	0 38	18 29	0 51	24 24	0 47	12 26	12 48	25 44		n.a.
F 9	5 58	26 34	3 35	15 39	2 41	24 11	4 10	24 34	0 51	2 5	1 11	15 35	1 37	4 36	0 38	18 29	0 51	24 24	0 47	12 26	12 49	25 42		n.a.
S 10	6 21	23 59	2 45	15 43	2 36	24 22	4 12	24 37	0 54	1 59	1 11	15 37	1 37	4 36	0 38	18 29	0 51	24 25	0 47	12 26	12 50	25 41		n.a.
S 11	6 43	20 22	1 47	15 45	2 30	24 34	4 13	24 40	0 56	1 54	1 11	15 39	1 37	4 35	0 38	18 29	0 51	24 25	0 48	12 26	12 52	25 39		n.a.
M12	7 6	15 53	0 44	15 44	2 23	24 44	4 14	24 42	0 59	1 48	1 12	15 42	1 37	4 34	0 38	18 30	0 51	24 25	0 48	12 26	12 53	25 37		n.a.
T 13	7 28	10 42	0s21	15 39	2 15	24 54	4 15	24 44	1 1	1 42	1 12	15 44	1 37	4 33	0 37	18 30	0 51	24 25	0 48	12 25	12 54	25 36		n.a.
W14	7 50	5 0	1 27	15 33	2 5	25 4	4 16	24 47	1 4	1 37	1 12	15 46	1 37	4 32	0 37	18 30	0 51	24 25	0 48	12 26	12 55	25 34		n.a.
T 15	8 12	1s 2	2 30	15 23	1 55	25 12	4 17	24 49	1 6	1 31	1 12	15 48	1 36	4 31	0 37	18 30	0 51	24 25	0 48	12 27	12 56	25 32		n.a.
F 16	8 34	7 10	3 27	15 11	1 43	25 21	4 17	24 51	1 9	1 26	1 12	15 50	1 36	4 30	0 37	18 30	0 51	24 25	0 48	12 29	12 57	25 31		n.a.
S 17	8 55	13 8	4 14	14 56	1 31	25 28	4 17	24 53	1 12	1 20	1 12	15 52	1 36	4 29	0 37	18 30	0 51	24 25	0 48	12 32	12 58	25 29		n.a.
S 18	9 17	18 35	4 47	14 39	1 17	25 35	4 17	24 55	1 14	1 15	1 12	15 55	1 36	4 28	0 37	18 30	0 51	24 25	0 48	12 35	12 59	25 28		n.a.
M19	9 38	23 9	5 3	14 20	1 3	25 42	4 17	24 57	1 17	1 10	1 12	15 57	1 36	4 27	0 37	18 30	0 51	24 25	0 48	12 38	13 0	25 26		n.a.
T 20	10 0	26 24	5 1	13 58	0 48	25 47	4 16	24 59	1 20	1 4	1 12	15 59	1 36	4 26	0 37	18 30	0 51	24 25	0 49	12 41	13 1	25 24		n.a.
W21	10 21	27 59	4 41	13 35	0 32	25 53	4 16	25 1	1 23	0 59	1 12	16 1	1 36	4 25	0 37	18 30	0 51	24 26	0 49	12 43	13 2	25 23		n.a.
T 22	10 42	27 43	4 3	13 10	0 15	25 57	4 15	25 3	1 26	0 53	1 12	16 3	1 35	4 24	0 37	18 30	0 51	24 26	0 49	12 45	13 4	25 21		n.a.
F 23	11 3	25 37	3 11	12 45	0s 2	26 1	4 13	25 5	1 29	0 48	1 12	16 6	1 35	4 23	0 37	18 30	0 51	24 26	0 49	12 45	13 5	25 19		n.a.
S 24	11 23	21 56	2 6	12 18	0 19	26 4	4 12	25 7	1 32	0 43	1 12	16 8	1 35	4 22	0 37	18 30	0 51	24 26	0 49	12 46	13 6	25 17		n.a.
S 25	11 44	16 59	0 55	11 50	0 36	26 7	4 10	25 8	1 35	0 37	1 12	16 10	1 35	4 21	0 37	18 30	0 51	24 26	0 49	12 45	13 7	25 16		n.a.
M26	12 4	11 11	0n19	11 22	0 53	26 9	4 8	25 10	1 38	0 32	1 12	16 12	1 35	4 20	0 37	18 30	0 51	24 26	0 49	12 45	13 8	25 14		n.a.
T 27	12 24	4 54	1 31	10 54	1 10	26 10	4 5	25 12	1 41	0 27	1 12	16 15	1 35	4 19	0 37	18 30	0 51	24 26	0 49	12 46	13 9	25 12		n.a.
W28	12 44	1n32	2 38	10 27	1 27	26 11	4 2	25 14	1 44	0 22	1 13	16 17	1 35	4 18	0 37	18 30	0 51	24 26	0 49	12 47	13 10	25 11		n.a.
T 29	13 4	7 49	3 34	10 0	1 43	26 11	3 59	25 15	1 47	0 16	1 13	16 19	1 35	4 18	0 37	18 30	0 51	24 26	0 50	12 49	13 11	25 9		n.a.
F 30	13n23	13n39	4n17	9n35	1s58	26n10	3n55	25s17	1s50	0s11	1s13	16n21	1s34	4s17	0n37	18n30	0n51	24s26	0s50	12s52	13s12	25n 7		n.a.

Julian Day Number = 1645541.5, Delta T = 03h33m57s
Ecliptic obliquity = 23°43'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'14, Lahiri = - 6°49'13 Julian Calendar 1 Apr. 208 BCE == Greg. Calendar 28 March 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

MAY 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 20 25	6♉ 5'54	7♉47	28°R59	10♊49	8♋53	2♈31	19♉50	12°R 5	10♌57	24°R36	26°R12	25♒21	20♋19	n.a.	S 1
S 2	14 24 21	7° 3'17	20°40	28♈33	11° 4	9°17	2°44	19°57	12♎ 3	10°58	24♐35	26♒ 0	25°18	20°26	n.a.	S 2
M 3	14 28 18	8° 0'39	3♊17	28° 9	11°17	9°40	2°57	20° 5	12° 1	10°58	24°34	25°49	25°15	20°32	n.a.	M 3
T 4	14 32 14	8°57'59	15°39	27°48	11°28	10° 2	3°10	20°13	11°59	10°58	24°33	25°38	25°12	20°39	n.a.	T 4
W 5	14 36 11	9°55'19	27°48	27°31	11°37	10°25	3°23	20°21	11°57	10°58	24°32	25°29	25° 9	20°46	n.a.	W 5
T 6	14 40 7	10°52'37	9♋46	27°18	11°44	10°46	3°36	20°29	11°54	10°59	24°31	25°23	25° 5	20°52	n.a.	T 6
F 7	14 44 4	11°49'55	21°38	27° 9	11°48	11° 8	3°49	20°36	11°52	10°59	24°30	25°19	25° 2	20°59	n.a.	F 7
S 8	14 48 1	12°47'11	3♌27	27° 4	11°R51	11°29	4° 1	20°44	11°50	10°59	24°29	25°17	24°59	21° 6	n.a.	S 8
S 9	14 51 57	13°44'26	15°18	27°D 3	11°50	11°49	4°14	20°52	11°48	11° 0	24°28	25°D17	24°56	21°12	n.a.	S 9
M10	14 55 54	14°41'41	27°18	27° 7	11°48	12° 9	4°26	21° 0	11°46	11° 0	24°27	25°R17	24°53	21°19	n.a.	M10
T 11	14 59 50	15°38'54	9♍31	27°16	11°43	12°29	4°39	21° 8	11°44	11° 1	24°26	25°17	24°49	21°26	n.a.	T 11
W12	15 3 47	16°36'06	22° 3	27°29	11°36	12°48	4°51	21°16	11°42	11° 1	24°25	25°14	24°46	21°32	n.a.	W12
T 13	15 7 43	17°33'17	4♎57	27°46	11°26	13° 6	5° 4	21°24	11°40	11° 2	24°24	25°10	24°43	21°39	n.a.	T 13
F 14	15 11 40	18°30'28	18°15	28° 8	11°14	13°24	5°16	21°32	11°39	11° 2	24°23	25° 2	24°40	21°46	n.a.	F 14
S 15	15 15 36	19°27'37	1♏59	28°35	10°59	13°42	5°28	21°39	11°37	11° 3	24°22	24°53	24°37	21°52	n.a.	S 15
S 16	15 19 33	20°24'47	16° 5	29° 6	10°42	13°59	5°40	21°47	11°35	11° 4	24°21	24°42	24°34	21°59	n.a.	S 16
M17	15 23 30	21°21'55	0♐30	29°41	10°23	14°15	5°52	21°55	11°33	11° 4	24°20	24°31	24°30	22° 6	n.a.	M17
T 18	15 27 26	22°19'04	15° 6	0♑21	10° 2	14°31	6° 4	22° 3	11°32	11° 5	24°19	24°20	24°27	22°12	n.a.	T 18
W19	15 31 23	23°16'12	29°47	1° 4	9°38	14°47	6°16	22°11	11°30	11° 6	24°17	24°11	24°24	22°19	n.a.	W19
T 20	15 35 19	24°13'19	14♑24	1°52	9°12	15° 1	6°28	22°19	11°28	11° 7	24°16	24° 5	24°21	22°26	n.a.	T 20
F 21	15 39 16	25°10'27	28°53	2°44	8°45	15°15	6°39	22°27	11°27	11° 7	24°15	24° 2	24°18	22°32	n.a.	F 21
S 22	15 43 12	26° 7'34	13♒10	3°40	8°15	15°29	6°51	22°35	11°25	11° 8	24°14	24° 1	24°15	22°39	n.a.	S 22
S 23	15 47 9	27° 4'42	27°13	4°40	7°44	15°42	7° 3	22°43	11°24	11° 9	24°13	24° 1	24°11	22°46	n.a.	S 23
M24	15 51 6	28° 1'49	11♓ 2	5°43	7°11	15°54	7°14	22°50	11°22	11°10	24°11	24° 0	24° 8	22°52	n.a.	M24
T 25	15 55 2	28°58'57	24°37	6°50	6°37	16° 6	7°26	22°58	11°21	11°11	24°10	23°59	24° 5	22°59	n.a.	T 25
W26	15 58 59	29°56'04	7♈59	8° 2	6° 2	16°17	7°37	23° 6	11°19	11°12	24° 9	23°55	24° 2	23° 6	n.a.	W26
T 27	16 2 55	0♊53'11	21° 9	9°16	5°26	16°27	7°48	23°14	11°18	11°13	24° 7	23°48	23°59	23°12	n.a.	T 27
F 28	16 6 52	1°50'19	4♉ 8	10°35	4°49	16°37	7°59	23°22	11°17	11°14	24° 6	23°38	23°55	23°19	n.a.	F 28
S 29	16 10 48	2°47'26	16°54	11°57	4°12	16°46	8°10	23°30	11°15	11°15	24° 5	23°27	23°52	23°26	n.a.	S 29
S 30	16 14 45	3°44'34	29°29	13°22	3°35	16°54	8°21	23°38	11°14	11°16	24° 3	23°14	23°49	23°32	n.a.	S 30
M31	16 18 41	4♊41'42	11♊52	14♉51	2♊57	17♋ 1	8♈32	23♉45	11♎13	11♌17	24♐ 2	23♒ 1	23♒46	23♋39	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n43	18n47	4n46	9n10	2s13	26n 9	3n52	25s19	1s54	0s 6	1s13	16n23	1s34	4s16	0n37	18n30	0n51	24s26	0s50	12s56	13s13	25n 5		n.a.
S 2	14 2	22 57	5 0	8 48	2 27	26 7	3 47	25 20	1 57	0 1	1 13	16 26	1 34	4 15	0 37	18 30	0 51	24 27	0 50	13 0	13 14	25 4		n.a.
M 3	14 21	25 57	4 59	8 27	2 40	26 4	3 43	25 22	2 0	0n 4	1 13	16 28	1 34	4 14	0 37	18 30	0 51	24 27	0 50	13 4	13 15	25 2		n.a.
T 4	14 39	27 38	4 44	8 9	2 52	26 1	3 38	25 24	2 4	0 10	1 13	16 30	1 34	4 13	0 37	18 30	0 51	24 27	0 50	13 8	13 17	25 0		n.a.
W 5	14 58	27 58	4 16	7 52	3 3	25 57	3 32	25 25	2 7	0 15	1 13	16 32	1 34	4 12	0 37	18 30	0 51	24 27	0 50	13 11	13 18	24 58		n.a.
T 6	15 16	26 57	3 37	7 38	3 12	25 52	3 26	25 27	2 11	0 20	1 13	16 34	1 34	4 12	0 37	18 30	0 51	24 27	0 50	13 13	13 19	24 57		n.a.
F 7	15 34	24 44	2 48	7 27	3 21	25 46	3 20	25 29	2 14	0 25	1 13	16 36	1 34	4 11	0 37	18 29	0 51	24 27	0 50	13 14	13 20	24 55		n.a.
S 8	15 52	21 27	1 53	7 19	3 28	25 40	3 13	25 31	2 18	0 30	1 14	16 39	1 34	4 10	0 37	18 29	0 51	24 27	0 51	13 15	13 21	24 53		n.a.
S 9	16 9	17 17	0 53	7 13	3 35	25 32	3 6	25 33	2 22	0 35	1 14	16 41	1 34	4 9	0 37	18 29	0 51	24 27	0 51	13 15	13 22	24 51		n.a.
M10	16 26	12 23	0s11	7 9	3 40	25 25	2 58	25 35	2 26	0 40	1 14	16 43	1 34	4 8	0 37	18 29	0 51	24 27	0 51	13 15	13 23	24 49		n.a.
T 11	16 43	6 56	1 15	7 9	3 44	25 16	2 50	25 36	2 29	0 44	1 14	16 45	1 33	4 8	0 37	18 29	0 51	24 27	0 51	13 15	13 24	24 48		n.a.
W12	17 0	1 6	2 17	7 11	3 46	25 6	2 41	25 38	2 33	0 49	1 14	16 47	1 33	4 7	0 37	18 29	0 51	24 27	0 51	13 16	13 25	24 46		n.a.
T 13	17 16	4s56	3 13	7 16	3 48	24 56	2 32	25 40	2 37	0 54	1 14	16 49	1 33	4 6	0 37	18 29	0 51	24 27	0 51	13 17	13 26	24 44		n.a.
F 14	17 32	10 57	4 1	7 23	3 49	24 45	2 23	25 42	2 41	0 59	1 14	16 52	1 33	4 6	0 37	18 28	0 51	24 27	0 51	13 20	13 27	24 42		n.a.
S 15	17 48	16 38	4 37	7 33	3 48	24 32	2 12	25 45	2 45	1 4	1 14	16 54	1 33	4 5	0 37	18 28	0 51	24 27	0 51	13 23	13 28	24 40		n.a.
S 16	18 4	21 35	4 57	7 45	3 47	24 20	2 2	25 47	2 49	1 8	1 14	16 56	1 33	4 4	0 37	18 28	0 51	24 27	0 51	13 27	13 29	24 39		n.a.
M17	18 19	25 22	4 59	7 59	3 45	24 6	1 51	25 49	2 53	1 13	1 15	16 58	1 33	4 3	0 37	18 28	0 50	24 28	0 52	13 30	13 30	24 37		n.a.
T 18	18 34	27 32	4 41	8 16	3 42	23 51	1 40	25 51	2 57	1 18	1 15	17 0	1 33	4 3	0 37	18 28	0 50	24 28	0 52	13 34	13 32	24 35		n.a.
W19	18 49	27 48	4 5	8 35	3 38	23 36	1 28	25 54	3 1	1 22	1 15	17 2	1 33	4 2	0 37	18 27	0 50	24 28	0 52	13 37	13 33	24 33		n.a.
T 20	19 3	26 8	3 13	8 56	3 33	23 20	1 15	25 56	3 6	1 27	1 15	17 4	1 33	4 2	0 37	18 27	0 50	24 28	0 52	13 39	13 34	24 31		n.a.
F 21	19 17	22 43	2 9	9 19	3 27	23 3	1 3	25 59	3 10	1 32	1 15	17 6	1 33	4 1	0 37	18 27	0 50	24 28	0 52	13 40	13 35	24 29		n.a.
S 22	19 31	17 58	0 57	9 44	3 21	22 46	0 50	26 2	3 14	1 36	1 15	17 8	1 33	4 0	0 37	18 27	0 50	24 28	0 52	13 40	13 36	24 27		n.a.
S 23	19 44	12 19	0n17	10 11	3 14	22 28	0 37	26 4	3 19	1 41	1 15	17 11	1 33	4 0	0 37	18 26	0 50	24 28	0 52	13 40	13 37	24 25		n.a.
M24	19 57	6 9	1 29	10 39	3 7	22 9	0 23	26 7	3 23	1 45	1 15	17 13	1 33	3 59	0 37	18 26	0 50	24 28	0 52	13 41	13 38	24 24		n.a.
T 25	20 10	0n11	2 34	11 9	2 58	21 50	0 10	26 10	3 27	1 50	1 16	17 15	1 32	3 59	0 37	18 26	0 50	24 28	0 52	13 41	13 39	24 22		n.a.
W26	20 23	6 25	3 30	11 41	2 50	21 30	0s 4	26 13	3 32	1 54	1 16	17 17	1 32	3 58	0 37	18 26	0 50	24 28	0 53	13 42	13 40	24 20		n.a.
T 27	20 35	12 15	4 14	12 13	2 40	21 10	0 18	26 16	3 36	1 58	1 16	17 19	1 32	3 58	0 37	18 25	0 50	24 28	0 53	13 45	13 41	24 18		n.a.
F 28	20 46	17 29	4 43	12 47	2 31	20 49	0 32	26 20	3 41	2 3	1 16	17 21	1 32	3 57	0 36	18 25	0 50	24 28	0 53	13 48	13 42	24 16		n.a.
S 29	20 58	21 51	4 59	13 22	2 20	20 29	0 46	26 23	3 46	2 7	1 16	17 23	1 32	3 57	0 36	18 25	0 50	24 28	0 53	13 52	13 43	24 14		n.a.
S 30	21 9	25 8	4 59	13 59	2 10	20 8	1 0	26 27	3 50	2 11	1 16	17 25	1 32	3 56	0 36	18 24	0 50	24 28	0 53	13 56	13 44	24 12		n.a.
M31	21n20	27n11	4n45	14n36	1s59	19n47	1s14	26s30	3s55	2n15	1s16	17n27	1s32	3s56	0n36	18n24	0n50	24s28	0s53	14s 0	13s45	24n10		n.a.

Julian Day Number = 1645571.5, Delta T = 03h33m56s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'09, Lahiri = - 6°49'09 Julian Calendar 1 May 208 BCE == Greg. Calendar 27 Apr. 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

JUNE 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 22 38	5♊38'49	24♊ 4	16♉24	2°R20	17♑ 8	8♈43	23♉53	11°R12	11♌18	24°R 1	22°R49	23♒43	23♋46	n.a.	T 1
W 2	16 26 35	6°35'57	6♋ 6	18° 0	1♊44	17°14	8°53	24° 1	11♎11	11°19	23♐59	22♒40	23°40	23°52	n.a.	W 2
T 3	16 30 31	7°33'04	18° 0	19°39	1° 8	17°19	9° 4	24° 9	11°10	11°20	23°58	22°32	23°36	23°59	n.a.	T 3
F 4	16 34 28	8°30'11	29°49	21°22	0°33	17°24	9°14	24°16	11° 9	11°22	23°57	22°28	23°33	24° 6	n.a.	F 4
S 5	16 38 24	9°27'18	11♌36	23° 7	29♉59	17°28	9°25	24°24	11° 8	11°23	23°55	22°26	23°30	24°12	n.a.	S 5
S 6	16 42 21	10°24'25	23°27	24°56	29°26	17°31	9°35	24°32	11° 7	11°24	23°54	22°D25	23°27	24°19	n.a.	S 6
M 7	16 46 17	11°21'32	5♍25	26°48	28°55	17°33	9°45	24°40	11° 6	11°25	23°52	22°R26	23°24	24°26	n.a.	M 7
T 8	16 50 14	12°18'39	17°37	28°42	28°26	17°35	9°55	24°47	11° 5	11°27	23°51	22°26	23°20	24°32	n.a.	T 8
W 9	16 54 10	13°15'46	0♎ 7	0♊39	27°58	17°R35	10° 5	24°55	11° 4	11°28	23°50	22°24	23°17	24°39	n.a.	W 9
T 10	16 58 7	14°12'53	13° 2	2°38	27°32	17°35	10°14	25° 3	11° 4	11°29	23°48	22°21	23°14	24°46	n.a.	T 10
F 11	17 2 4	15° 9'59	26°22	4°40	27° 9	17°35	10°24	25°10	11° 3	11°31	23°47	22°15	23°11	24°52	n.a.	F 11
S 12	17 6 0	16° 7'07	10♏12	6°43	26°47	17°33	10°34	25°18	11° 2	11°32	23°45	22° 8	23° 8	24°59	n.a.	S 12
S 13	17 9 57	17° 4'14	24°28	8°48	26°28	17°31	10°43	25°25	11° 2	11°34	23°44	21°59	23° 5	25° 6	n.a.	S 13
M14	17 13 53	18° 1'22	9♐ 7	10°54	26°11	17°28	10°52	25°33	11° 1	11°35	23°43	21°49	23° 1	25°12	n.a.	M14
T 15	17 17 50	18°58'30	24° 2	13° 1	25°57	17°24	11° 2	25°40	11° 1	11°37	23°41	21°40	22°58	25°19	n.a.	T 15
W16	17 21 46	19°55'38	9♑ 4	15° 9	25°45	17°20	11°11	25°48	11° 1	11°38	23°40	21°33	22°55	25°26	n.a.	W16
T 17	17 25 43	20°52'48	24° 3	17°17	25°35	17°14	11°20	25°55	11° 0	11°40	23°38	21°28	22°52	25°32	n.a.	T 17
F 18	17 29 40	21°49'58	8♒52	19°26	25°28	17° 8	11°28	26° 3	11° 0	11°41	23°37	21°25	22°49	25°39	n.a.	F 18
S 19	17 33 36	22°47'08	23°24	21°34	25°23	17° 1	11°37	26°10	11° 0	11°43	23°35	21°D25	22°46	25°46	n.a.	S 19
S 20	17 37 33	23°44'20	7♓36	23°42	25°20	16°54	11°46	26°17	10°59	11°44	23°34	21°25	22°42	25°52	n.a.	S 20
M21	17 41 29	24°41'32	21°27	25°49	25°D20	16°46	11°54	26°25	10°59	11°46	23°32	21°R26	22°39	25°59	n.a.	M21
T 22	17 45 26	25°38'46	4♈59	27°55	25°22	16°37	12° 2	26°32	10°59	11°48	23°31	21°26	22°36	26° 6	n.a.	T 22
W23	17 49 22	26°36'00	18°12	0♋ 0	25°26	16°27	12°10	26°39	10°D59	11°49	23°29	21°24	22°33	26°12	n.a.	W23
T 24	17 53 19	27°33'15	1♉ 8	2° 4	25°33	16°17	12°18	26°46	10°59	11°51	23°28	21°19	22°30	26°19	n.a.	T 24
F 25	17 57 15	28°30'32	13°51	4° 7	25°42	16° 6	12°26	26°53	10°59	11°53	23°27	21°13	22°26	26°26	n.a.	F 25
S 26	18 1 12	29°27'50	26°21	6° 8	25°53	15°55	12°34	27° 1	10°59	11°54	23°25	21° 5	22°23	26°32	n.a.	S 26
S 27	18 5 9	0♋25'08	8♊40	8° 8	26° 6	15°43	12°42	27° 8	11° 0	11°56	23°24	20°55	22°20	26°39	n.a.	S 27
M28	18 9 5	1°22'28	20°50	10° 7	26°21	15°30	12°49	27°15	11° 0	11°58	23°22	20°46	22°17	26°46	n.a.	M28
T 29	18 13 2	2°19'48	2♋51	12° 4	26°37	15°17	12°56	27°22	11° 0	12° 0	23°21	20°38	22°14	26°52	n.a.	T 29
W30	18 16 58	3♋17'10	14♋46	13♋59	26♉56	15♑ 4	13♈ 4	27♉29	11♎ 0	12♌ 2	23♐19	20♒31	22♒11	26♋59	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n30	27n53	4n18	15n13	1s48	19n26	1s28	26s34	4s 0	2n19	1s17	17n29	1s32	3s55	0n36	18n24	0n50	24s28	0s53	14s 4	13s46	24n 8		n.a.
W 2	21 40	27 14	3 39	15 52	1 36	19 6	1 41	26 38	4 4	2 23	1 17	17 31	1 32	3 55	0 36	18 23	0 50	24 28	0 53	14 7	13 48	24 6		n.a.
T 3	21 50	25 20	2 52	16 30	1 24	18 45	1 55	26 42	4 9	2 27	1 17	17 33	1 32	3 55	0 36	18 23	0 50	24 28	0 53	14 10	13 49	24 4		n.a.
F 4	21 59	22 20	1 57	17 9	1 12	18 26	2 8	26 46	4 14	2 31	1 17	17 35	1 32	3 54	0 36	18 23	0 50	24 28	0 53	14 11	13 50	24 2		n.a.
S 5	22 8	18 25	0 57	17 48	1 0	18 6	2 20	26 50	4 18	2 35	1 17	17 36	1 32	3 54	0 36	18 22	0 50	24 28	0 54	14 12	13 51	24 1		n.a.
S 6	22 16	13 47	0s 5	18 27	0 48	17 47	2 32	26 55	4 23	2 39	1 17	17 38	1 32	3 54	0 36	18 22	0 50	24 28	0 54	14 12	13 52	23 59		n.a.
M 7	22 24	8 34	1 9	19 5	0 36	17 29	2 44	26 59	4 28	2 43	1 18	17 40	1 32	3 53	0 36	18 22	0 50	24 28	0 54	14 12	13 53	23 57		n.a.
T 8	22 32	2 58	2 10	19 43	0 24	17 12	2 55	27 3	4 33	2 47	1 18	17 42	1 32	3 53	0 36	18 21	0 50	24 28	0 54	14 12	13 54	23 55		n.a.
W 9	22 40	2s54	3 7	20 19	0 13	16 55	3 6	27 8	4 38	2 51	1 18	17 44	1 32	3 53	0 36	18 21	0 50	24 29	0 54	14 12	13 55	23 53		n.a.
T 10	22 47	8 48	3 56	20 55	0 1	16 39	3 17	27 13	4 42	2 54	1 18	17 46	1 32	3 53	0 36	18 20	0 50	24 29	0 54	14 14	13 56	23 51		n.a.
F 11	22 53	14 32	4 33	21 29	0n10	16 24	3 26	27 18	4 47	2 58	1 18	17 48	1 32	3 52	0 36	18 20	0 50	24 29	0 54	14 15	13 57	23 49		n.a.
S 12	22 59	19 44	4 57	22 2	0 21	16 10	3 36	27 22	4 52	3 2	1 19	17 50	1 32	3 52	0 36	18 20	0 50	24 29	0 54	14 18	13 58	23 47		n.a.
S 13	23 5	24 0	5 3	22 33	0 31	15 58	3 44	27 27	4 57	3 5	1 19	17 51	1 32	3 52	0 36	18 19	0 50	24 29	0 54	14 21	13 59	23 45		n.a.
M14	23 11	26 51	4 50	23 2	0 41	15 46	3 53	27 32	5 1	3 9	1 19	17 53	1 32	3 52	0 36	18 19	0 50	24 29	0 54	14 24	14 0	23 43		n.a.
T 15	23 15	27 52	4 17	23 28	0 51	15 35	4 0	27 38	5 6	3 12	1 19	17 55	1 32	3 52	0 36	18 18	0 50	24 29	0 55	14 27	14 1	23 41		n.a.
W16	23 20	26 50	3 26	23 52	0 59	15 25	4 7	27 43	5 10	3 16	1 19	17 57	1 32	3 51	0 36	18 18	0 50	24 29	0 55	14 29	14 2	23 39		n.a.
T 17	23 24	23 52	2 21	24 14	1 8	15 16	4 14	27 48	5 15	3 19	1 19	17 59	1 32	3 51	0 36	18 18	0 50	24 29	0 55	14 31	14 3	23 37		n.a.
F 18	23 28	19 20	1 7	24 33	1 15	15 9	4 20	27 53	5 19	3 22	1 20	18 0	1 32	3 51	0 36	18 17	0 50	24 29	0 55	14 32	14 4	23 35		n.a.
S 19	23 31	13 43	0n11	24 49	1 22	15 2	4 25	27 59	5 24	3 25	1 20	18 2	1 32	3 51	0 36	18 17	0 50	24 29	0 55	14 32	14 5	23 32		n.a.
S 20	23 34	7 30	1 26	25 2	1 28	14 57	4 31	28 4	5 28	3 29	1 20	18 4	1 32	3 51	0 36	18 16	0 50	24 29	0 55	14 32	14 6	23 30		n.a.
M21	23 37	1 5	2 34	25 12	1 33	14 52	4 35	28 9	5 33	3 32	1 20	18 6	1 32	3 51	0 36	18 16	0 50	24 29	0 55	14 32	14 8	23 28		n.a.
T 22	23 39	5n14	3 32	25 20	1 38	14 49	4 39	28 15	5 37	3 35	1 20	18 7	1 32	3 51	0 36	18 15	0 50	24 29	0 55	14 32	14 9	23 26		n.a.
W23	23 41	11 10	4 17	25 25	1 41	14 46	4 43	28 20	5 41	3 38	1 21	18 9	1 32	3 51	0 36	18 15	0 50	24 29	0 55	14 32	14 10	23 24		n.a.
T 24	23 42	16 29	4 48	25 27	1 45	14 45	4 46	28 25	5 45	3 41	1 21	18 11	1 32	3 51	0 35	18 14	0 50	24 29	0 55	14 34	14 11	23 22		n.a.
F 25	23 43	21 0	5 4	25 26	1 47	14 44	4 49	28 31	5 49	3 44	1 21	18 12	1 32	3 51	0 35	18 14	0 50	24 29	0 56	14 36	14 12	23 20		n.a.
S 26	23 43	24 30	5 5	25 23	1 49	14 44	4 51	28 36	5 53	3 47	1 21	18 14	1 32	3 51	0 35	18 13	0 50	24 29	0 56	14 38	14 13	23 18		n.a.
S 27	23 43	26 49	4 52	25 18	1 50	14 45	4 54	28 41	5 56	3 49	1 21	18 15	1 32	3 51	0 35	18 13	0 50	24 29	0 56	14 41	14 14	23 16		n.a.
M28	23 43	27 49	4 26	25 10	1 50	14 47	4 55	28 46	6 0	3 52	1 22	18 17	1 32	3 52	0 35	18 12	0 50	24 29	0 56	14 44	14 15	23 14		n.a.
T 29	23 42	27 29	3 48	24 59	1 50	14 49	4 57	28 51	6 4	3 55	1 22	18 19	1 32	3 52	0 35	18 12	0 50	24 29	0 56	14 47	14 16	23 12		n.a.
W30	23n41	25n53	3n 0	24n47	1n49	14n53	4s58	28s56	6s 7	3n57	1s22	18n20	1s32	3s52	0n35	18n11	0n50	24s29	0s56	14s49	14s17	23n10		n.a.

Julian Day Number = 1645602.5, Delta T = 03h33m55s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'05, Lahiri = - 6°49'05 Julian Calendar 1 June 208 BCE == Greg. Calendar 28 May 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

JULY 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 20 55	4♋14'32	26♋35	15♋53	27♉17	14°R50	13♈11	27♉35	11♎ 1	12♌ 3	23°R18	20°R26	22♒ 7	27♋ 6	n.a.	T 1
F 2	18 24 51	5°11'55	8♌22	17°45	27°39	14♊35	13°17	27°42	11° 1	12° 5	23♐17	20♒23	22° 4	27°12	n.a.	F 2
S 3	18 28 48	6° 9'19	20° 9	19°36	28° 3	14°21	13°24	27°49	11° 2	12° 7	23°15	20°D22	22° 1	27°19	n.a.	S 3
S 4	18 32 44	7° 6'44	2♍ 0	21°24	28°29	14° 6	13°31	27°56	11° 2	12° 9	23°14	20°23	21°58	27°26	n.a.	S 4
M 5	18 36 41	8° 4'10	13°59	23°12	28°56	13°50	13°37	28° 3	11° 3	12°11	23°12	20°24	21°55	27°32	n.a.	M 5
T 6	18 40 38	9° 1'36	26°10	24°58	29°24	13°35	13°43	28° 9	11° 3	12°13	23°11	20°26	21°52	27°39	n.a.	T 6
W 7	18 44 34	9°59'04	8♎39	26°42	29°55	13°19	13°49	28°16	11° 4	12°15	23°10	20°R26	21°48	27°46	n.a.	W 7
T 8	18 48 31	10°56'32	21°30	28°24	0♏26	13° 3	13°55	28°22	11° 5	12°17	23° 8	20°26	21°45	27°52	n.a.	T 8
F 9	18 52 27	11°54'02	4♏47	0♌ 5	0°59	12°48	14° 1	28°29	11° 6	12°19	23° 7	20°24	21°42	27°59	n.a.	F 9
S 10	18 56 24	12°51'32	18°32	1°45	1°33	12°32	14° 7	28°35	11° 6	12°21	23° 6	20°20	21°39	28° 6	n.a.	S 10
S 11	19 0 20	13°49'03	2♐46	3°22	2° 9	12°16	14°12	28°42	11° 7	12°23	23° 4	20°15	21°36	28°12	n.a.	S 11
M12	19 4 17	14°46'36	17°26	4°59	2°46	12° 0	14°17	28°48	11° 8	12°25	23° 3	20°10	21°32	28°19	n.a.	M12
T 13	19 8 14	15°44'10	2♑25	6°33	3°24	11°44	14°22	28°54	11° 9	12°27	23° 2	20° 5	21°29	28°26	n.a.	T 13
W14	19 12 10	16°41'45	17°36	8° 7	4° 3	11°29	14°27	29° 0	11°10	12°29	23° 0	20° 1	21°26	28°32	n.a.	W14
T 15	19 16 7	17°39'21	2♒49	9°38	4°43	11°14	14°32	29° 7	11°12	12°31	22°59	19°59	21°23	28°39	n.a.	T 15
F 16	19 20 3	18°36'59	17°53	11° 8	5°24	10°58	14°37	29°13	11°13	12°33	22°58	19°D58	21°20	28°46	n.a.	F 16
S 17	19 24 0	19°34'38	2♓42	12°37	6° 6	10°44	14°41	29°19	11°14	12°35	22°56	19°58	21°17	28°52	n.a.	S 17
S 18	19 27 56	20°32'19	17° 8	14° 4	6°50	10°29	14°45	29°25	11°15	12°37	22°55	20° 0	21°13	28°59	n.a.	S 18
M19	19 31 53	21°30'01	1♈10	15°29	7°34	10°15	14°49	29°31	11°16	12°39	22°54	20° 1	21°10	29° 5	n.a.	M19
T 20	19 35 49	22°27'46	14°47	16°53	8°19	10° 1	14°53	29°36	11°18	12°41	22°53	20° 2	21° 7	29°12	n.a.	T 20
W21	19 39 46	23°25'32	28° 0	18°15	9° 5	9°48	14°57	29°42	11°19	12°43	22°51	20°R 2	21° 4	29°19	n.a.	W21
T 22	19 43 43	24°23'20	10♉52	19°35	9°52	9°35	15° 0	29°48	11°21	12°46	22°50	20° 1	21° 1	29°25	n.a.	T 22
F 23	19 47 39	25°21'10	23°26	20°54	10°40	9°22	15° 4	29°53	11°22	12°48	22°49	19°59	20°58	29°32	n.a.	F 23
S 24	19 51 36	26°19'02	5♊46	22°10	11°28	9°10	15° 7	29°59	11°24	12°50	22°48	19°56	20°54	29°39	n.a.	S 24
S 25	19 55 32	27°16'55	17°54	23°25	12°17	8°59	15°10	0♊ 4	11°25	12°52	22°47	19°53	20°51	29°45	n.a.	S 25
M26	19 59 29	28°14'51	29°54	24°39	13° 7	8°48	15°13	0°10	11°27	12°54	22°46	19°49	20°48	29°52	n.a.	M26
T 27	20 3 25	29°12'48	11♋47	25°50	13°58	8°38	15°15	0°15	11°29	12°56	22°45	19°46	20°45	29°59	n.a.	T 27
W28	20 7 22	0♌10'47	23°36	26°59	14°49	8°29	15°18	0°20	11°30	12°59	22°44	19°43	20°42	0♌ 5	n.a.	W28
T 29	20 11 18	1° 8'48	5♌24	28° 6	15°41	8°20	15°20	0°26	11°32	13° 1	22°42	19°41	20°38	0°12	n.a.	T 29
F 30	20 15 15	2° 6'50	17°12	29°10	16°34	8°12	15°22	0°31	11°34	13° 3	22°41	19°D41	20°35	0°19	n.a.	F 30
S 31	20 19 12	3♌ 4'54	29♌ 2	0♍13	17♊27	8♑ 5	15♈24	0♊36	11♎36	13♌ 5	22♐40	19♒41	20♒32	0♌25	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n39	23n 8	2n 5	24n33	1n48	14n57	4s58	29s 1	6s10	4n 0	1s22	18n22	1s32	3s52	0n35	18n11	0n50	24s29	0s56	14s51	14s18	23n 8		n.a.
F 2	23 37	19 25	1 5	24 16	1 46	15 1	4 59	29 5	6 13	4 3	1 22	18 23	1 32	3 52	0 35	18 10	0 50	24 29	0 56	14 52	14 19	23 5		n.a.
S 3	23 35	14 57	0 1	23 58	1 43	15 6	4 59	29 10	6 16	4 5	1 23	18 25	1 32	3 53	0 35	18 10	0 50	24 29	0 56	14 52	14 20	23 3		n.a.
S 4	23 32	9 55	1s 3	23 38	1 40	15 12	4 59	29 14	6 19	4 7	1 23	18 26	1 32	3 53	0 35	18 9	0 50	24 29	0 56	14 52	14 21	23 1		n.a.
M 5	23 28	4 27	2 5	23 17	1 36	15 18	4 58	29 18	6 21	4 10	1 23	18 28	1 32	3 53	0 35	18 9	0 50	24 29	0 56	14 51	14 22	22 59		n.a.
T 6	23 25	1s15	3 2	22 54	1 32	15 25	4 57	29 22	6 23	4 12	1 23	18 29	1 32	3 53	0 35	18 8	0 50	24 29	0 57	14 51	14 23	22 57		n.a.
W 7	23 20	7 1	3 53	22 30	1 28	15 32	4 56	29 26	6 26	4 14	1 24	18 31	1 32	3 54	0 35	18 7	0 50	24 29	0 57	14 51	14 24	22 55		n.a.
T 8	23 16	12 41	4 33	22 5	1 23	15 40	4 55	29 30	6 28	4 16	1 24	18 32	1 32	3 54	0 35	18 7	0 50	24 29	0 57	14 51	14 25	22 53		n.a.
F 9	23 11	17 58	5 0	21 38	1 18	15 48	4 54	29 33	6 29	4 18	1 24	18 34	1 32	3 54	0 35	18 6	0 50	24 29	0 57	14 52	14 26	22 50		n.a.
S 10	23 6	22 31	5 11	21 11	1 12	15 57	4 52	29 37	6 31	4 20	1 24	18 35	1 32	3 55	0 35	18 6	0 50	24 29	0 57	14 53	14 27	22 48		n.a.
S 11	23 0	25 55	5 4	20 42	1 6	16 6	4 50	29 40	6 32	4 22	1 25	18 36	1 32	3 55	0 35	18 5	0 50	24 29	0 57	14 54	14 28	22 46		n.a.
M12	22 54	27 43	4 37	20 13	1 0	16 15	4 48	29 42	6 34	4 24	1 25	18 38	1 32	3 55	0 35	18 5	0 50	24 29	0 57	14 56	14 29	22 44		n.a.
T 13	22 47	27 33	3 51	19 43	0 53	16 24	4 46	29 45	6 35	4 26	1 25	18 39	1 32	3 56	0 35	18 4	0 50	24 29	0 57	14 57	14 30	22 42		n.a.
W14	22 40	25 19	2 48	19 12	0 46	16 34	4 44	29 47	6 35	4 27	1 25	18 40	1 32	3 56	0 35	18 3	0 50	24 29	0 57	14 59	14 31	22 40		n.a.
T 15	22 32	21 16	1 33	18 41	0 39	16 43	4 41	29 49	6 36	4 29	1 25	18 42	1 32	3 57	0 35	18 3	0 50	24 29	0 57	15 0	14 32	22 37		n.a.
F 16	22 25	15 50	0 11	18 9	0 32	16 53	4 39	29 51	6 37	4 31	1 26	18 43	1 32	3 57	0 35	18 2	0 50	24 29	0 57	15 0	14 34	22 35		n.a.
S 17	22 16	9 34	1n 9	17 36	0 24	17 3	4 36	29 52	6 37	4 32	1 26	18 44	1 33	3 58	0 35	18 2	0 50	24 29	0 57	15 0	14 35	22 33		n.a.
S 18	22 8	2 56	2 24	17 3	0 16	17 14	4 33	29 54	6 37	4 34	1 26	18 45	1 33	3 58	0 35	18 1	0 50	24 29	0 58	14 59	14 36	22 31		n.a.
M19	21 59	3n38	3 27	16 30	0 7	17 24	4 29	29 55	6 37	4 35	1 26	18 47	1 33	3 59	0 35	18 0	0 50	24 29	0 58	14 59	14 37	22 29		n.a.
T 20	21 50	9 50	4 17	15 57	0s 1	17 34	4 26	29 56	6 37	4 36	1 27	18 48	1 33	3 59	0 35	18 0	0 50	24 29	0 58	14 58	14 38	22 26		n.a.
W21	21 40	15 24	4 51	15 23	0 10	17 45	4 23	29 56	6 36	4 37	1 27	18 49	1 33	4 0	0 34	17 59	0 50	24 29	0 58	14 58	14 39	22 24		n.a.
T 22	21 30	20 10	5 10	14 50	0 19	17 55	4 19	29 57	6 35	4 39	1 27	18 50	1 33	4 1	0 34	17 59	0 50	24 29	0 58	14 59	14 40	22 22		n.a.
F 23	21 19	23 54	5 14	14 16	0 28	18 5	4 16	29 57	6 35	4 40	1 27	18 51	1 33	4 1	0 34	17 58	0 50	24 29	0 58	14 59	14 41	22 20		n.a.
S 24	21 8	26 29	5 2	13 42	0 37	18 16	4 12	29 57	6 34	4 41	1 28	18 52	1 33	4 2	0 34	17 57	0 50	24 29	0 58	15 0	14 42	22 18		n.a.
S 25	20 57	27 46	4 38	13 9	0 46	18 26	4 8	29 56	6 32	4 42	1 28	18 54	1 33	4 3	0 34	17 57	0 50	24 29	0 58	15 2	14 43	22 15		n.a.
M26	20 45	27 44	4 1	12 35	0 55	18 36	4 4	29 56	6 31	4 42	1 28	18 55	1 33	4 3	0 34	17 56	0 50	24 29	0 58	15 3	14 44	22 13		n.a.
T 27	20 33	26 25	3 14	12 2	1 5	18 46	4 0	29 55	6 30	4 43	1 28	18 56	1 33	4 4	0 34	17 56	0 50	24 29	0 58	15 4	14 45	22 11		n.a.
W28	20 21	23 55	2 19	11 30	1 15	18 56	3 56	29 54	6 28	4 44	1 29	18 57	1 33	4 5	0 34	17 55	0 50	24 29	0 58	15 5	14 46	22 9		n.a.
T 29	20 8	20 24	1 18	10 58	1 24	19 6	3 52	29 53	6 26	4 45	1 29	18 58	1 33	4 5	0 34	17 54	0 50	24 29	0 58	15 5	14 47	22 6		n.a.
F 30	19 55	16 5	0 14	10 26	1 34	19 16	3 48	29 51	6 24	4 45	1 29	18 59	1 33	4 6	0 34	17 54	0 50	24 29	0 58	15 5	14 48	22 4		n.a.
S 31	19n42	11n 8	0s52	9n55	1s44	19n25	3s43	29s50	6s22	4n46	1s29	19n 0	1s33	4s 7	0n34	17n53	0n50	24s29	0s59	15s 5	14s49	22n 2		n.a.

Julian Day Number = 1645632.5, Delta T = 03h33m54s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°56'01, Lahiri = - 6°49'01 Julian Calendar 1 July 208 BCE == Greg. Calendar 27 June 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

AUGUST 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 23 8	4♌ 3'00	10♍58	1♍12	18♊21	7°R58	15♈25	0♊41	11♎38	13♌ 7	22°R39	19♒42	20♒29	0♌32	n.a.	S 1
M 2	20 27 5	5° 1'07	23° 2	2° 9	19°16	7♉52	15°27	0°46	11°40	13°10	22♐38	19°43	20°26	0°39	n.a.	M 2
T 3	20 31 1	5°59'16	5♎18	3° 4	20°11	7°47	15°28	0°50	11°42	13°12	22°37	19°44	20°23	0°45	n.a.	T 3
W 4	20 34 58	6°57'27	17°49	3°55	21° 6	7°43	15°29	0°55	11°44	13°14	22°36	19°45	20°19	0°52	n.a.	W 4
T 5	20 38 54	7°55'39	0♏39	4°43	22° 2	7°40	15°30	1° 0	11°46	13°16	22°36	19°46	20°16	0°59	n.a.	T 5
F 6	20 42 51	8°53'53	13°51	5°28	22°59	7°37	15°30	1° 4	11°48	13°18	22°35	19°R46	20°13	1° 5	n.a.	F 6
S 7	20 46 47	9°52'08	27°28	6° 9	23°56	7°35	15°31	1° 9	11°50	13°21	22°34	19°46	20°10	1°12	n.a.	S 7
S 8	20 50 44	10°50'25	11♐31	6°46	24°53	7°34	15°31	1°13	11°53	13°23	22°33	19°45	20° 7	1°19	n.a.	S 8
M 9	20 54 41	11°48'44	25°58	7°19	25°51	7°D34	15°R31	1°17	11°55	13°25	22°32	19°44	20° 4	1°25	n.a.	M 9
T 10	20 58 37	12°47'04	10♑47	7°48	26°49	7°35	15°31	1°21	11°57	13°27	22°31	19°43	20° 0	1°32	n.a.	T 10
W11	21 2 34	13°45'26	25°52	8°11	27°48	7°36	15°30	1°26	12° 0	13°30	22°30	19°43	19°57	1°39	n.a.	W11
T 12	21 6 30	14°43'50	11♒ 3	8°30	28°48	7°38	15°30	1°30	12° 2	13°32	22°30	19°42	19°54	1°45	n.a.	T 12
F 13	21 10 27	15°42'16	26°11	8°44	29°47	7°41	15°29	1°33	12° 4	13°34	22°29	19°D42	19°51	1°52	n.a.	F 13
S 14	21 14 23	16°40'44	11♓ 8	8°51	0♋47	7°45	15°28	1°37	12° 7	13°36	22°28	19°42	19°48	1°59	n.a.	S 14
S 15	21 18 20	17°39'14	25°46	8°R53	1°48	7°50	15°27	1°41	12° 9	13°38	22°28	19°43	19°44	2° 5	n.a.	S 15
M16	21 22 16	18°37'46	9♈59	8°48	2°49	7°55	15°25	1°45	12°12	13°41	22°27	19°43	19°41	2°12	n.a.	M16
T 17	21 26 13	19°36'21	23°45	8°36	3°50	8° 1	15°24	1°48	12°15	13°43	22°26	19°R43	19°38	2°18	n.a.	T 17
W18	21 30 9	20°34'58	7♉ 5	8°18	4°52	8° 8	15°22	1°52	12°17	13°45	22°26	19°43	19°35	2°25	n.a.	W18
T 19	21 34 6	21°33'37	20° 0	7°53	5°53	8°15	15°20	1°55	12°20	13°47	22°25	19°D43	19°32	2°32	n.a.	T 19
F 20	21 38 3	22°32'18	2♊33	7°20	6°56	8°24	15°18	1°58	12°23	13°50	22°24	19°43	19°29	2°38	n.a.	F 20
S 21	21 41 59	23°31'02	14°49	6°41	7°58	8°33	15°15	2° 1	12°25	13°52	22°24	19°43	19°25	2°45	n.a.	S 21
S 22	21 45 56	24°29'49	26°52	5°56	9° 1	8°43	15°13	2° 5	12°28	13°54	22°23	19°43	19°22	2°52	n.a.	S 22
M23	21 49 52	25°28'37	8♋46	5° 4	10° 5	8°53	15°10	2° 7	12°31	13°56	22°23	19°44	19°19	2°58	n.a.	M23
T 24	21 53 49	26°27'28	20°35	4° 7	11° 8	9° 5	15° 7	2°10	12°34	13°58	22°22	19°45	19°16	3° 5	n.a.	T 24
W25	21 57 45	27°26'21	2♌22	3° 5	12°12	9°16	15° 4	2°13	12°37	14° 1	22°22	19°45	19°13	3°12	n.a.	W25
T 26	22 1 42	28°25'17	14°11	2° 0	13°16	9°29	15° 1	2°16	12°40	14° 3	22°22	19°R46	19°10	3°18	n.a.	T 26
F 27	22 5 38	29°24'14	26° 3	0°54	14°21	9°42	14°57	2°18	12°43	14° 5	22°21	19°46	19° 6	3°25	n.a.	F 27
S 28	22 9 35	0♍23'14	8♍ 2	29♌47	15°25	9°56	14°53	2°21	12°46	14° 7	22°21	19°45	19° 3	3°32	n.a.	S 28
S 29	22 13 32	1°22'15	20° 8	28°42	16°30	10°11	14°49	2°23	12°49	14° 9	22°21	19°44	19° 0	3°38	n.a.	S 29
M30	22 17 28	2°21'19	2♎25	27°40	17°35	10°26	14°45	2°25	12°52	14°11	22°20	19°42	18°57	3°45	n.a.	M30
T 31	22 21 25	3♍20'25	14♎52	26♌43	18♋41	10♉42	14♈41	2♊27	12♎55	14♌14	22♐20	19♒40	18♒54	3♌52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19n28	5n46	1s55	9n24	1s54	19n34	3s39	29s48	6s20	4n46	1s30	19n 1	1s33	4s 8	0n34	17n52	0n50	24s29	0s59	15s 5	14s50	21n59			n.a.
M 2	19 14	0 8	2 55	8 55	2 3	19 43	3 34	29 46	6 18	4 46	1 30	19 2	1 33	4 9	0 34	17 52	0 50	24 29	0 59	15 5	14 51	21 57			n.a.
T 3	19 0	5s36	3 47	8 26	2 13	19 52	3 30	29 44	6 15	4 46	1 30	19 3	1 34	4 9	0 34	17 51	0 50	24 29	0 59	15 4	14 52	21 55			n.a.
W 4	18 45	11 13	4 29	7 58	2 23	20 0	3 25	29 42	6 13	4 47	1 30	19 3	1 34	4 10	0 34	17 51	0 50	24 30	0 59	15 4	14 53	21 53			n.a.
T 5	18 30	16 30	5 0	7 32	2 32	20 9	3 21	29 39	6 10	4 47	1 31	19 4	1 34	4 11	0 34	17 50	0 50	24 30	0 59	15 4	14 54	21 50			n.a.
F 6	18 15	21 11	5 16	7 7	2 42	20 16	3 16	29 37	6 8	4 47	1 31	19 5	1 34	4 12	0 34	17 49	0 50	24 30	0 59	15 4	14 55	21 48			n.a.
S 7	17 59	24 55	5 14	6 43	2 51	20 24	3 11	29 34	6 5	4 47	1 31	19 6	1 34	4 13	0 34	17 49	0 50	24 30	0 59	15 4	14 56	21 46			n.a.
S 8	17 43	27 18	4 55	6 21	3 0	20 31	3 6	29 31	6 2	4 47	1 31	19 7	1 34	4 14	0 34	17 48	0 50	24 30	0 59	15 4	14 57	21 43			n.a.
M 9	17 27	27 56	4 16	6 0	3 9	20 38	3 2	29 29	5 59	4 46	1 32	19 8	1 34	4 15	0 34	17 47	0 50	24 30	0 59	15 4	14 58	21 41			n.a.
T 10	17 10	26 36	3 20	5 42	3 17	20 44	2 57	29 25	5 56	4 46	1 32	19 8	1 34	4 16	0 34	17 47	0 50	24 30	0 59	15 5	14 59	21 39			n.a.
W11	16 54	23 20	2 9	5 26	3 25	20 50	2 52	29 22	5 53	4 46	1 32	19 9	1 34	4 17	0 34	17 46	0 50	24 30	0 59	15 5	15 0	21 36			n.a.
T 12	16 36	18 26	0 48	5 12	3 33	20 56	2 47	29 19	5 50	4 45	1 32	19 10	1 34	4 18	0 34	17 45	0 50	24 30	0 59	15 5	15 1	21 34			n.a.
F 13	16 19	12 22	0n36	5 0	3 40	21 1	2 42	29 16	5 46	4 45	1 32	19 11	1 34	4 19	0 34	17 45	0 50	24 30	0 59	15 5	15 2	21 32			n.a.
S 14	16 1	5 41	1 56	4 51	3 46	21 6	2 37	29 12	5 43	4 44	1 33	19 11	1 34	4 20	0 34	17 44	0 50	24 30	1 0	15 5	15 3	21 29			n.a.
S 15	15 43	1n 9	3 7	4 46	3 51	21 11	2 32	29 9	5 40	4 43	1 33	19 12	1 35	4 21	0 34	17 44	0 50	24 30	1 0	15 5	15 4	21 27			n.a.
M16	15 25	7 44	4 5	4 43	3 56	21 15	2 27	29 5	5 37	4 43	1 33	19 13	1 35	4 22	0 34	17 43	0 50	24 30	1 0	15 5	15 5	21 25			n.a.
T 17	15 7	13 44	4 46	4 45	3 59	21 18	2 22	29 1	5 33	4 42	1 33	19 13	1 35	4 23	0 34	17 42	0 50	24 30	1 0	15 5	15 6	21 22			n.a.
W18	14 48	18 55	5 10	4 49	4 2	21 21	2 17	28 57	5 30	4 41	1 34	19 14	1 35	4 24	0 34	17 42	0 50	24 30	1 0	15 5	15 7	21 20			n.a.
T 19	14 29	23 2	5 18	4 58	4 3	21 24	2 12	28 53	5 26	4 40	1 34	19 14	1 35	4 25	0 34	17 41	0 50	24 30	1 0	15 5	15 8	21 18			n.a.
F 20	14 10	25 59	5 10	5 10	4 2	21 26	2 7	28 49	5 23	4 39	1 34	19 15	1 35	4 26	0 33	17 40	0 50	24 30	1 0	15 5	15 9	21 15			n.a.
S 21	13 50	27 37	4 48	5 27	4 0	21 27	2 2	28 45	5 19	4 38	1 34	19 16	1 35	4 27	0 33	17 40	0 50	24 30	1 0	15 5	15 10	21 13			n.a.
S 22	13 31	27 55	4 14	5 47	3 56	21 28	1 57	28 41	5 16	4 37	1 34	19 16	1 35	4 28	0 33	17 39	0 50	24 30	1 0	15 4	15 11	21 11			n.a.
M23	13 11	26 54	3 29	6 12	3 50	21 29	1 52	28 37	5 12	4 35	1 35	19 17	1 35	4 29	0 33	17 38	0 50	24 30	1 0	15 4	15 12	21 8			n.a.
T 24	12 51	24 41	2 35	6 40	3 43	21 28	1 47	28 32	5 9	4 34	1 35	19 17	1 35	4 31	0 33	17 38	0 50	24 30	1 0	15 4	15 13	21 6			n.a.
W25	12 30	21 24	1 35	7 11	3 33	21 28	1 42	28 28	5 5	4 33	1 35	19 17	1 35	4 32	0 33	17 37	0 50	24 30	1 0	15 4	15 14	21 3			n.a.
T 26	12 10	17 16	0 31	7 45	3 21	21 27	1 37	28 24	5 2	4 31	1 35	19 18	1 36	4 33	0 33	17 37	0 50	24 30	1 0	15 4	15 15	21 1			n.a.
F 27	11 49	12 26	0s35	8 22	3 7	21 25	1 32	28 19	4 58	4 30	1 35	19 18	1 36	4 34	0 33	17 36	0 50	24 30	1 0	15 4	15 16	20 59			n.a.
S 28	11 28	7 7	1 40	9 0	2 52	21 23	1 27	28 14	4 55	4 28	1 36	19 19	1 36	4 35	0 33	17 35	0 50	24 30	1 0	15 4	15 17	20 56			n.a.
S 29	11 7	1 30	2 41	9 39	2 35	21 20	1 22	28 10	4 51	4 26	1 36	19 19	1 36	4 36	0 33	17 35	0 50	24 30	1 0	15 4	15 18	20 54			n.a.
M30	10 45	4s15	3 35	10 17	2 17	21 17	1 17	28 5	4 47	4 24	1 36	19 19	1 36	4 38	0 33	17 34	0 50	24 30	1 1	15 5	15 19	20 51			n.a.
T 31	10n24	9s55	4s20	10n55	1s58	21n13	1s12	28s 0	4s44	4n23	1s36	19n20	1s36	4s39	0n33	17n33	0n50	24s30	1s 1	15s 5	15s20	20n49			n.a.

Julian Day Number = 1645663.5, Delta T = 03h33m53s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'57, Lahiri = - 6°48'56 Julian Calendar 1 Aug. 208 BCE == Greg. Calendar 28 July 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

SEPTEMBER 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 25 21	4♍19'32	27♎33	25°R53	19♋47	10♉59	14°R36	2♊29	12♎58	14♌16	22°R20	19°R38	18♒50	3♌58	n.a.	W 1
T 2	22 29 18	5°18'42	10♏29	25♌10	20°53	11°16	14♈32	2°31	13° 1	14°18	22♐20	19♒37	18°47	4° 5	n.a.	T 2
F 3	22 33 14	6°17'54	23°42	24°36	21°59	11°34	14°27	2°33	13° 4	14°20	22°19	19°36	18°44	4°12	n.a.	F 3
S 4	22 37 11	7°17'07	7♐14	24°13	23° 5	11°52	14°22	2°35	13° 7	14°22	22°19	19°D35	18°41	4°18	n.a.	S 4
S 5	22 41 7	8°16'23	21° 6	23°59	24°12	12°11	14°17	2°36	13°11	14°24	22°19	19°36	18°38	4°25	n.a.	S 5
M 6	22 45 4	9°15'40	5♑17	23°D56	25°19	12°31	14°12	2°38	13°14	14°26	22°19	19°37	18°35	4°31	n.a.	M 6
T 7	22 49 1	10°14'59	19°46	24° 4	26°26	12°51	14° 6	2°39	13°17	14°28	22°19	19°38	18°31	4°38	n.a.	T 7
W 8	22 52 57	11°14'20	4♒31	24°22	27°33	13°11	14° 0	2°41	13°20	14°30	22°D19	19°39	18°28	4°45	n.a.	W 8
T 9	22 56 54	12°13'43	19°25	24°51	28°41	13°32	13°55	2°42	13°24	14°32	22°19	19°R40	18°25	4°51	n.a.	T 9
F 10	23 0 50	13°13'08	4♓21	25°28	29°48	13°54	13°49	2°43	13°27	14°34	22°19	19°39	18°22	4°58	n.a.	F 10
S 11	23 4 47	14°12'34	19°12	26°15	0♌56	14°16	13°43	2°44	13°30	14°36	22°19	19°37	18°19	5° 5	n.a.	S 11
S 12	23 8 43	15°12'03	3♈49	27° 9	2° 4	14°38	13°36	2°44	13°34	14°38	22°19	19°34	18°16	5°11	n.a.	S 12
M13	23 12 40	16°11'35	18° 6	28°11	3°13	15° 1	13°30	2°45	13°37	14°40	22°19	19°30	18°12	5°18	n.a.	M13
T 14	23 16 36	17°11'08	1♉58	29°19	4°21	15°25	13°23	2°46	13°41	14°42	22°20	19°26	18° 9	5°25	n.a.	T 14
W15	23 20 33	18°10'44	15°24	0♍33	5°30	15°49	13°17	2°46	13°44	14°44	22°20	19°22	18° 6	5°31	n.a.	W15
T 16	23 24 29	19°10'23	28°25	1°52	6°39	16°13	13°10	2°47	13°48	14°46	22°20	19°19	18° 3	5°38	n.a.	T 16
F 17	23 28 26	20°10'04	11♊ 1	3°15	7°48	16°38	13° 3	2°47	13°51	14°48	22°20	19°18	18° 0	5°45	n.a.	F 17
S 18	23 32 23	21° 9'47	23°19	4°42	8°57	17° 3	12°56	2°47	13°55	14°50	22°20	19°D17	17°56	5°51	n.a.	S 18
S 19	23 36 19	22° 9'32	5♋21	6°12	10° 6	17°28	12°49	2°R47	13°58	14°52	22°21	19°18	17°53	5°58	n.a.	S 19
M20	23 40 16	23° 9'20	17°13	7°45	11°16	17°54	12°42	2°47	14° 2	14°54	22°21	19°20	17°50	6° 5	n.a.	M20
T 21	23 44 12	24° 9'11	29° 1	9°19	12°25	18°21	12°34	2°47	14° 5	14°55	22°21	19°21	17°47	6°11	n.a.	T 21
W22	23 48 9	25° 9'03	10♌49	10°55	13°35	18°47	12°27	2°46	14° 9	14°57	22°22	19°23	17°44	6°18	n.a.	W22
T 23	23 52 5	26° 8'58	22°40	12°33	14°45	19°14	12°20	2°46	14°13	14°59	22°22	19°R23	17°41	6°25	n.a.	T 23
F 24	23 56 2	27° 8'55	4♍39	14°11	15°56	19°42	12°12	2°45	14°16	15° 1	22°23	19°22	17°37	6°31	n.a.	F 24
S 25	23 59 58	28° 8'53	16°48	15°51	17° 6	20° 9	12° 4	2°45	14°20	15° 3	22°23	19°19	17°34	6°38	n.a.	S 25
S 26	0 3 55	29° 8'54	29° 9	17°30	18°16	20°38	11°56	2°44	14°23	15° 4	22°24	19°14	17°31	6°44	n.a.	S 26
M27	0 7 52	0♎ 8'57	11♎42	19°11	19°27	21° 6	11°49	2°43	14°27	15° 6	22°24	19° 7	17°28	6°51	n.a.	M27
T 28	0 11 48	1° 9'02	24°29	20°51	20°38	21°35	11°41	2°42	14°31	15° 8	22°25	18°59	17°25	6°58	n.a.	T 28
W29	0 15 45	2° 9'09	7♏30	22°31	21°48	22° 4	11°33	2°41	14°35	15° 9	22°25	18°52	17°21	7° 4	n.a.	W29
T 30	0 19 41	3♎ 9'18	20♏42	24♍12	22♌59	22♑33	11♈25	2♊40	14♎38	15♌11	22♐26	18♒45	17♒18	7♌11	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n 2	15s16	4s53	11n31	1s38	21n 8	1s 7	27s55	4s40	4n21	1s36	19n20	1s36	4s40	0n33	17n33	0n50	24s30	1s 1	15s 6	15s21	20n47		n.a.
T 2	9 40	20 4	5 12	12 4	1 18	21 3	1 3	27 50	4 37	4 19	1 37	19 20	1 36	4 41	0 33	17 32	0 50	24 30	1 1	15 7	15 22	20 44		n.a.
F 3	9 18	24 0	5 15	12 34	0 58	20 57	0 58	27 45	4 33	4 17	1 37	19 21	1 36	4 43	0 33	17 32	0 50	24 31	1 1	15 7	15 23	20 42		n.a.
S 4	8 56	26 43	5 1	13 1	0 38	20 51	0 53	27 40	4 30	4 15	1 37	19 21	1 36	4 44	0 33	17 31	0 50	24 31	1 1	15 7	15 24	20 39		n.a.
S 5	8 34	27 54	4 30	13 23	0 19	20 44	0 48	27 34	4 26	4 12	1 37	19 21	1 37	4 45	0 33	17 30	0 50	24 31	1 1	15 7	15 25	20 37		n.a.
M 6	8 11	27 18	3 41	13 41	0 1	20 37	0 44	27 29	4 23	4 10	1 37	19 21	1 37	4 47	0 33	17 30	0 50	24 31	1 1	15 7	15 26	20 34		n.a.
T 7	7 49	24 51	2 38	13 54	0n16	20 29	0 39	27 24	4 19	4 8	1 37	19 21	1 37	4 48	0 33	17 29	0 51	24 31	1 1	15 6	15 27	20 32		n.a.
W 8	7 26	20 42	1 23	14 3	0 32	20 20	0 34	27 18	4 16	4 6	1 37	19 22	1 37	4 49	0 33	17 29	0 51	24 31	1 1	15 6	15 28	20 29		n.a.
T 9	7 3	15 12	0 1	14 7	0 46	20 11	0 30	27 13	4 12	4 3	1 38	19 22	1 37	4 51	0 33	17 28	0 51	24 31	1 1	15 6	15 29	20 27		n.a.
F 10	6 40	8 47	1n20	14 7	0 59	20 1	0 25	27 7	4 9	4 1	1 38	19 22	1 37	4 52	0 33	17 28	0 51	24 31	1 1	15 6	15 30	20 24		n.a.
S 11	6 17	1 57	2 36	14 2	1 11	19 51	0 21	27 1	4 6	3 58	1 38	19 22	1 37	4 53	0 33	17 27	0 51	24 31	1 1	15 6	15 31	20 22		n.a.
S 12	5 54	4n53	3 39	13 53	1 22	19 40	0 16	26 55	4 2	3 56	1 38	19 22	1 37	4 55	0 33	17 26	0 51	24 31	1 1	15 7	15 32	20 20		n.a.
M13	5 31	11 18	4 28	13 40	1 31	19 29	0 12	26 49	3 59	3 53	1 38	19 22	1 37	4 56	0 33	17 26	0 51	24 31	1 1	15 9	15 33	20 17		n.a.
T 14	5 7	16 58	4 59	13 23	1 38	19 17	0 8	26 43	3 56	3 50	1 38	19 22	1 37	4 57	0 33	17 25	0 51	24 31	1 1	15 10	15 34	20 15		n.a.
W15	4 44	21 37	5 13	13 2	1 45	19 4	0 3	26 37	3 52	3 48	1 38	19 22	1 38	4 59	0 33	17 25	0 51	24 31	1 2	15 11	15 35	20 12		n.a.
T 16	4 20	25 4	5 10	12 38	1 50	18 51	0n 1	26 31	3 49	3 45	1 38	19 22	1 38	5 0	0 33	17 24	0 51	24 31	1 2	15 12	15 36	20 10		n.a.
F 17	3 56	27 10	4 51	12 12	1 54	18 37	0 5	26 24	3 46	3 42	1 39	19 22	1 38	5 1	0 33	17 24	0 51	24 31	1 2	15 13	15 37	20 7		n.a.
S 18	3 33	27 53	4 20	11 43	1 57	18 23	0 9	26 18	3 42	3 39	1 39	19 22	1 38	5 3	0 33	17 23	0 51	24 31	1 2	15 13	15 38	20 5		n.a.
S 19	3 9	27 15	3 38	11 11	1 59	18 8	0 13	26 11	3 39	3 37	1 39	19 22	1 38	5 4	0 33	17 23	0 51	24 32	1 2	15 13	15 39	20 2		n.a.
M20	2 45	25 21	2 47	10 37	2 0	17 52	0 17	26 5	3 36	3 34	1 39	19 22	1 38	5 6	0 33	17 22	0 51	24 32	1 2	15 12	15 40	20 0		n.a.
T 21	2 21	22 23	1 49	10 1	2 0	17 36	0 21	25 58	3 33	3 31	1 39	19 22	1 38	5 7	0 33	17 22	0 51	24 32	1 2	15 11	15 41	19 57		n.a.
W22	1 57	18 29	0 47	9 24	2 0	17 20	0 25	25 51	3 30	3 28	1 39	19 21	1 38	5 9	0 33	17 21	0 51	24 32	1 2	15 11	15 42	19 55		n.a.
T 23	1 33	13 50	0s18	8 45	1 59	17 3	0 28	25 44	3 27	3 25	1 39	19 21	1 38	5 10	0 33	17 21	0 51	24 32	1 2	15 11	15 43	19 52		n.a.
F 24	1 9	8 39	1 22	8 5	1 57	16 46	0 32	25 37	3 23	3 22	1 39	19 21	1 38	5 11	0 33	17 20	0 51	24 32	1 2	15 11	15 44	19 49		n.a.
S 25	0 45	3 4	2 24	7 24	1 55	16 28	0 36	25 29	3 20	3 19	1 39	19 21	1 38	5 13	0 33	17 20	0 51	24 32	1 2	15 12	15 45	19 47		n.a.
S 26	0 21	2s42	3 19	6 42	1 52	16 9	0 39	25 22	3 17	3 16	1 39	19 21	1 39	5 14	0 33	17 19	0 51	24 32	1 2	15 14	15 46	19 44		n.a.
M27	0s 4	8 27	4 6	5 59	1 48	15 50	0 43	25 15	3 14	3 12	1 39	19 20	1 39	5 16	0 33	17 19	0 51	24 32	1 2	15 16	15 47	19 42		n.a.
T 28	0 28	13 57	4 41	5 16	1 45	15 31	0 46	25 7	3 11	3 9	1 39	19 20	1 39	5 17	0 33	17 18	0 51	24 32	1 2	15 18	15 48	19 39		n.a.
W29	0 52	18 56	5 3	4 32	1 40	15 11	0 49	24 59	3 8	3 6	1 39	19 20	1 39	5 19	0 33	17 18	0 51	24 32	1 2	15 21	15 49	19 37		n.a.
T 30	1s16	23s 5	5s 8	3n48	1n36	14n50	0n52	24s51	3s 5	3n 3	1s39	19n19	1s39	5s20	0n33	17n17	0n51	24s33	1s 2	15s23	15s50	19n34		n.a.

Julian Day Number = 1645694.5, Delta T = 03h33m52s
Ecliptic obliquity = 23°43'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'53, Lahiri = - 6°48'52 Julian Calendar 1 Sept. 208 BCE == Greg. Calendar 28 Aug. 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

OCTOBER 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 23 38	4♎ 9'29	4♐ 7	25♍52	24♌11	23♑ 3	11°R17	2°R38	14♎42	15♌13	22♐27	18°R39	17♒15	7♌18	n.a.	F 1
S 2	0 27 34	5° 9'41	17°44	27°32	25°22	23°33	11♈ 9	2♊37	14°46	15°14	22°27	18♒36	17°12	7°24	n.a.	S 2
S 3	0 31 31	6° 9'55	1♑33	29°12	26°33	24° 3	11° 1	2°35	14°49	15°16	22°28	18°D34	17° 9	7°31	n.a.	S 3
M 4	0 35 27	7°10'10	15°33	0♎52	27°45	24°34	10°52	2°34	14°53	15°17	22°29	18°34	17° 6	7°38	n.a.	M 4
T 5	0 39 24	8°10'27	29°44	2°31	28°56	25° 5	10°44	2°32	14°57	15°19	22°30	18°35	17° 2	7°44	n.a.	T 5
W 6	0 43 21	9°10'46	14♒ 5	4°10	0♍ 8	25°36	10°36	2°30	15° 1	15°20	22°30	18°R36	16°59	7°51	n.a.	W 6
T 7	0 47 17	10°11'05	28°34	5°48	1°20	26° 7	10°28	2°28	15° 4	15°22	22°31	18°36	16°56	7°58	n.a.	T 7
F 8	0 51 14	11°11'27	13♓ 5	7°27	2°32	26°39	10°20	2°26	15° 8	15°23	22°32	18°33	16°53	8° 4	n.a.	F 8
S 9	0 55 10	12°11'50	27°35	9° 5	3°44	27°11	10°12	2°24	15°12	15°25	22°33	18°29	16°50	8°11	n.a.	S 9
S 10	0 59 7	13°12'15	11♈56	10°42	4°56	27°43	10° 3	2°22	15°16	15°26	22°34	18°21	16°47	8°17	n.a.	S 10
M11	1 3 3	14°12'42	26° 4	12°19	6° 8	28°15	9°55	2°19	15°19	15°27	22°35	18°12	16°43	8°24	n.a.	M11
T 12	1 7 0	15°13'10	9♉52	13°56	7°20	28°48	9°47	2°17	15°23	15°29	22°36	18° 2	16°40	8°31	n.a.	T 12
W13	1 10 56	16°13'40	23°17	15°33	8°33	29°21	9°39	2°14	15°27	15°30	22°37	17°53	16°37	8°37	n.a.	W13
T 14	1 14 53	17°14'12	6♊19	17° 9	9°45	29°54	9°31	2°11	15°31	15°31	22°38	17°44	16°34	8°44	n.a.	T 14
F 15	1 18 49	18°14'47	18°58	18°45	10°58	0♒27	9°23	2° 9	15°34	15°33	22°39	17°38	16°31	8°51	n.a.	F 15
S 16	1 22 46	19°15'23	1♋17	20°20	12°10	1° 0	9°15	2° 6	15°38	15°34	22°40	17°34	16°27	8°57	n.a.	S 16
S 17	1 26 43	20°16'00	13°21	21°55	13°23	1°34	9° 7	2° 3	15°42	15°35	22°41	17°32	16°24	9° 4	n.a.	S 17
M18	1 30 39	21°16'40	25°13	23°30	14°36	2° 7	8°59	2° 0	15°46	15°36	22°42	17°D31	16°21	9°11	n.a.	M18
T 19	1 34 36	22°17'21	7♌ 1	25° 5	15°49	2°41	8°52	1°57	15°49	15°37	22°43	17°32	16°18	9°17	n.a.	T 19
W20	1 38 32	23°18'05	18°49	26°40	17° 2	3°15	8°44	1°53	15°53	15°38	22°44	17°R32	16°15	9°24	n.a.	W20
T 21	1 42 29	24°18'49	0♍43	28°14	18°15	3°49	8°36	1°50	15°57	15°39	22°46	17°31	16°12	9°31	n.a.	T 21
F 22	1 46 25	25°19'36	12°47	29°48	19°29	4°24	8°29	1°46	16° 1	15°40	22°47	17°28	16° 8	9°37	n.a.	F 22
S 23	1 50 22	26°20'24	25° 5	1♏22	20°42	4°58	8°21	1°43	16° 4	15°41	22°48	17°23	16° 5	9°44	n.a.	S 23
S 24	1 54 18	27°21'14	7♎39	2°56	21°55	5°33	8°14	1°39	16° 8	15°42	22°49	17°14	16° 2	9°51	n.a.	S 24
M25	1 58 15	28°22'05	20°31	4°29	23° 9	6° 8	8° 7	1°36	16°12	15°43	22°51	17° 3	15°59	9°57	n.a.	M25
T 26	2 2 12	29°22'57	3♏40	6° 3	24°22	6°43	8° 0	1°32	16°15	15°44	22°52	16°51	15°56	10° 4	n.a.	T 26
W27	2 6 8	0♏23'51	17° 5	7°36	25°36	7°18	7°53	1°28	16°19	15°45	22°53	16°38	15°52	10°10	n.a.	W27
T 28	2 10 5	1°24'46	0♐43	9° 9	26°49	7°54	7°46	1°24	16°23	15°46	22°55	16°26	15°49	10°17	n.a.	T 28
F 29	2 14 1	2°25'43	14°31	10°42	28° 3	8°29	7°39	1°20	16°26	15°47	22°56	16°16	15°46	10°24	n.a.	F 29
S 30	2 17 58	3°26'40	28°26	12°15	29°17	9° 5	7°33	1°16	16°30	15°48	22°57	16°10	15°43	10°30	n.a.	S 30
S 31	2 21 54	4♏27'38	12♑25	13♏48	0♎30	9♒41	7♈26	1♊12	16♎34	15♌48	22♐59	16♒ 6	15♒40	10♌37	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s40	26s 5	4s58	3n 3	1n31	14n29	0n56	24s43	3s 3	3n 0	1s39	19n19	1s39	5s22	0n33	17n17	0n51	24s33	1s 3	15s25	15s51	19n32		n.a.
S 2	2 4	27 38	4 30	2 18	1 26	14 8	0 59	24 35	3 0	2 57	1 39	19 19	1 39	5 23	0 33	17 16	0 51	24 33	1 3	15 26	15 52	19 29		n.a.
S 3	2 29	27 29	3 46	1 33	1 20	13 46	1 2	24 27	2 57	2 54	1 39	19 18	1 39	5 24	0 33	17 16	0 51	24 33	1 3	15 26	15 53	19 27		n.a.
M 4	2 53	25 36	2 49	0 48	1 15	13 24	1 4	24 19	2 54	2 50	1 39	19 18	1 39	5 26	0 33	17 15	0 51	24 33	1 3	15 26	15 54	19 24		n.a.
T 5	3 17	22 4	1 40	0 3	1 9	13 2	1 7	24 10	2 51	2 47	1 39	19 18	1 39	5 27	0 33	17 15	0 51	24 33	1 3	15 26	15 55	19 21		n.a.
W 6	3 41	17 11	0 24	0s43	1 3	12 39	1 10	24 2	2 48	2 44	1 39	19 17	1 39	5 29	0 33	17 15	0 51	24 33	1 3	15 26	15 56	19 19		n.a.
T 7	4 5	11 17	0n53	1 28	0 57	12 15	1 13	23 53	2 46	2 41	1 39	19 17	1 39	5 30	0 33	17 14	0 51	24 33	1 3	15 26	15 57	19 16		n.a.
F 8	4 29	4 45	2 8	2 13	0 51	11 52	1 15	23 44	2 43	2 38	1 39	19 16	1 39	5 32	0 33	17 14	0 51	24 33	1 3	15 27	15 58	19 14		n.a.
S 9	4 53	1n59	3 14	2 57	0 45	11 28	1 18	23 35	2 40	2 34	1 39	19 16	1 40	5 33	0 33	17 13	0 51	24 33	1 3	15 28	15 59	19 11		n.a.
S 10	5 16	8 32	4 6	3 42	0 38	11 3	1 20	23 26	2 38	2 31	1 38	19 15	1 40	5 35	0 33	17 13	0 51	24 34	1 3	15 30	16 0	19 8		n.a.
M11	5 40	14 34	4 43	4 26	0 32	10 38	1 22	23 17	2 35	2 28	1 38	19 15	1 40	5 36	0 33	17 13	0 52	24 34	1 3	15 33	16 1	19 6		n.a.
T 12	6 4	19 42	5 2	5 10	0 25	10 13	1 24	23 8	2 32	2 25	1 38	19 14	1 40	5 38	0 33	17 12	0 52	24 34	1 3	15 36	16 2	19 3		n.a.
W13	6 27	23 42	5 4	5 54	0 19	9 48	1 27	22 58	2 30	2 22	1 38	19 13	1 40	5 39	0 33	17 12	0 52	24 34	1 3	15 39	16 2	19 1		n.a.
T 14	6 51	26 22	4 49	6 37	0 12	9 22	1 29	22 49	2 27	2 19	1 38	19 13	1 40	5 41	0 33	17 12	0 52	24 34	1 3	15 42	16 3	18 58		n.a.
F 15	7 14	27 36	4 21	7 20	0 6	8 56	1 31	22 39	2 25	2 16	1 38	19 12	1 40	5 42	0 33	17 11	0 52	24 34	1 3	15 44	16 4	18 55		n.a.
S 16	7 37	27 24	3 41	8 3	0s 1	8 30	1 32	22 29	2 22	2 13	1 38	19 12	1 40	5 44	0 33	17 11	0 52	24 34	1 3	15 45	16 5	18 53		n.a.
S 17	8 1	25 54	2 52	8 45	0 8	8 3	1 34	22 19	2 20	2 10	1 38	19 11	1 40	5 45	0 33	17 11	0 52	24 34	1 3	15 46	16 6	18 50		n.a.
M18	8 24	23 15	1 56	9 27	0 14	7 36	1 36	22 9	2 17	2 7	1 37	19 10	1 40	5 46	0 33	17 10	0 52	24 35	1 4	15 46	16 7	18 48		n.a.
T 19	8 47	19 38	0 56	10 8	0 21	7 9	1 37	21 59	2 15	2 4	1 37	19 10	1 40	5 48	0 33	17 10	0 52	24 35	1 4	15 46	16 8	18 45		n.a.
W20	9 9	15 15	0s 7	10 49	0 27	6 41	1 39	21 48	2 12	2 1	1 37	19 9	1 40	5 49	0 32	17 10	0 52	24 35	1 4	15 46	16 9	18 42		n.a.
T 21	9 32	10 16	1 10	11 29	0 33	6 14	1 40	21 38	2 10	1 58	1 37	19 8	1 40	5 51	0 32	17 9	0 52	24 35	1 4	15 46	16 10	18 40		n.a.
F 22	9 55	4 50	2 10	12 9	0 40	5 46	1 41	21 27	2 8	1 55	1 37	19 8	1 40	5 52	0 32	17 9	0 52	24 35	1 4	15 47	16 11	18 37		n.a.
S 23	10 17	0s51	3 6	12 48	0 46	5 18	1 43	21 16	2 5	1 53	1 37	19 7	1 40	5 54	0 32	17 9	0 52	24 35	1 4	15 49	16 12	18 34		n.a.
S 24	10 39	6 38	3 53	13 27	0 52	4 50	1 44	21 5	2 3	1 50	1 36	19 6	1 40	5 55	0 32	17 9	0 52	24 35	1 4	15 51	16 13	18 32		n.a.
M25	11 1	12 16	4 30	14 5	0 58	4 21	1 45	20 54	2 1	1 47	1 36	19 5	1 40	5 57	0 32	17 8	0 52	24 35	1 4	15 55	16 14	18 29		n.a.
T 26	11 23	17 28	4 53	14 42	1 4	3 53	1 46	20 43	1 58	1 44	1 36	19 5	1 40	5 58	0 32	17 8	0 52	24 36	1 4	15 58	16 15	18 26		n.a.
W27	11 45	21 56	5 1	15 19	1 10	3 24	1 47	20 32	1 56	1 42	1 36	19 4	1 40	5 59	0 32	17 8	0 52	24 36	1 4	16 2	16 16	18 24		n.a.
T 28	12 6	25 18	4 52	15 54	1 16	2 55	1 47	20 21	1 54	1 39	1 36	19 3	1 40	6 1	0 32	17 8	0 52	24 36	1 4	16 6	16 17	18 21		n.a.
F 29	12 28	27 13	4 26	16 30	1 21	2 26	1 48	20 9	1 52	1 37	1 35	19 2	1 40	6 2	0 32	17 7	0 52	24 36	1 4	16 9	16 18	18 18		n.a.
S 30	12 49	27 27	3 44	17 4	1 26	1 57	1 49	19 57	1 50	1 34	1 35	19 1	1 40	6 4	0 32	17 7	0 52	24 36	1 4	16 11	16 19	18 16		n.a.
S 31	13s 9	25s55	2s48	17s37	1s32	1n28	1n49	19s46	1s47	1n32	1s35	19n 0	1s40	6s 5	0n32	17n 7	0n52	24s36	1s 4	16s12	16s20	18n13		n.a.

Julian Day Number = 1645724.5, Delta T = 03h33m51s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'49, Lahiri = - 6°48'48 Julian Calendar 1 Oct. 208 BCE == Greg. Calendar 27 Sept. 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

NOVEMBER 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 25 51	5♏28'37	26♉27	15♏21	1♎44	10♒17	7°R20	1°R 8	16♎37	15♌49	23♐ 0	16°R 4	15♒37	10♌44	n.a.	M 1
T 2	2 29 48	6°29'37	10♒32	16°54	2°58	10°53	7♈14	1♊ 4	16°41	15°50	23° 2	16♒ 4	15°33	10°50	n.a.	T 2
W 3	2 33 44	7°30'38	24°37	18°26	4°12	11°29	7° 7	0°59	16°44	15°50	23° 3	16° 4	15°30	10°57	n.a.	W 3
T 4	2 37 41	8°31'39	8♓43	19°59	5°26	12° 5	7° 2	0°55	16°48	15°51	23° 5	16° 2	15°27	11° 4	n.a.	T 4
F 5	2 41 37	9°32'41	22°48	21°31	6°40	12°42	6°56	0°50	16°52	15°52	23° 6	15°58	15°24	11°10	n.a.	F 5
S 6	2 45 34	10°33'44	6♈50	23° 3	7°54	13°18	6°50	0°46	16°55	15°52	23° 8	15°52	15°21	11°17	n.a.	S 6
S 7	2 49 30	11°34'47	20°46	24°35	9° 8	13°55	6°45	0°41	16°59	15°53	23° 9	15°42	15°18	11°24	n.a.	S 7
M 8	2 53 27	12°35'51	4♉30	26° 7	10°22	14°31	6°40	0°37	17° 2	15°53	23°11	15°29	15°14	11°30	n.a.	M 8
T 9	2 57 23	13°36'56	18° 1	27°38	11°37	15° 8	6°34	0°32	17° 6	15°54	23°13	15°16	15°11	11°37	n.a.	T 9
W10	3 1 20	14°38'02	1♊15	29° 9	12°51	15°45	6°30	0°28	17° 9	15°54	23°14	15° 3	15° 8	11°44	n.a.	W10
T 11	3 5 17	15°39'09	14° 9	0♐40	14° 5	16°22	6°25	0°23	17°12	15°54	23°16	14°51	15° 5	11°50	n.a.	T 11
F 12	3 9 13	16°40'17	26°45	2°10	15°19	16°59	6°20	0°18	17°16	15°55	23°18	14°41	15° 2	11°57	n.a.	F 12
S 13	3 13 10	17°41'26	9♋ 3	3°40	16°34	17°36	6°16	0°13	17°19	15°55	23°19	14°34	14°58	12° 3	n.a.	S 13
S 14	3 17 6	18°42'36	21° 6	5° 9	17°48	18°14	6°12	0° 9	17°23	15°55	23°21	14°30	14°55	12°10	n.a.	S 14
M15	3 21 3	19°43'46	2♌59	6°37	19° 3	18°51	6° 8	0° 4	17°26	15°56	23°23	14°28	14°52	12°17	n.a.	M15
T 16	3 24 59	20°44'57	14°47	8° 5	20°17	19°28	6° 4	29♉59	17°29	15°56	23°24	14°28	14°49	12°23	n.a.	T 16
W17	3 28 56	21°46'09	26°35	9°31	21°32	20° 6	6° 0	29°54	17°33	15°56	23°26	14°28	14°46	12°30	n.a.	W17
T 18	3 32 52	22°47'22	8♍29	10°56	22°46	20°43	5°57	29°49	17°36	15°56	23°28	14°27	14°43	12°37	n.a.	T 18
F 19	3 36 49	23°48'36	20°34	12°19	24° 1	21°21	5°54	29°44	17°39	15°56	23°30	14°24	14°39	12°43	n.a.	F 19
S 20	3 40 46	24°49'50	2♎55	13°40	25°15	21°59	5°51	29°39	17°42	15°56	23°31	14°19	14°36	12°50	n.a.	S 20
S 21	3 44 42	25°51'05	15°37	15° 0	26°30	22°37	5°48	29°34	17°45	15°R56	23°33	14°11	14°33	12°57	n.a.	S 21
M22	3 48 39	26°52'20	28°40	16°16	27°45	23°14	5°45	29°29	17°49	15°56	23°35	14° 0	14°30	13° 3	n.a.	M22
T 23	3 52 35	27°53'36	12♏ 6	17°29	28°59	23°52	5°43	29°24	17°52	15°56	23°37	13°48	14°27	13°10	n.a.	T 23
W24	3 56 32	28°54'53	25°53	18°39	0♏14	24°30	5°40	29°19	17°55	15°56	23°39	13°35	14°24	13°17	n.a.	W24
T 25	4 0 28	29°56'10	9♐57	19°45	1°29	25° 8	5°38	29°14	17°58	15°56	23°41	13°23	14°20	13°23	n.a.	T 25
F 26	4 4 25	0♐57'26	24°13	20°45	2°44	25°47	5°37	29° 9	18° 1	15°56	23°42	13°14	14°17	13°30	n.a.	F 26
S 27	4 8 21	1°58'43	8♉35	21°40	3°58	26°25	5°35	29° 4	18° 4	15°56	23°44	13° 6	14°14	13°36	n.a.	S 27
S 28	4 12 18	3° 0'00	22°57	22°29	5°13	27° 3	5°34	28°59	18° 7	15°56	23°46	13° 2	14°11	13°43	n.a.	S 28
M29	4 16 15	4° 1'17	7♒16	23°10	6°28	27°41	5°32	28°54	18°10	15°55	23°48	13°D 1	14° 8	13°50	n.a.	M29
T 30	4 20 11	5♐ 2'33	21♒29	23♐43	7♏43	28♒20	5♈31	28♉49	18♎12	15♌55	23♐50	13♒ 1	14♒ 4	13♌56	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s30	22s47	1s42	18s10	1s37	0n58	1n49	19s34	1s45	1n30	1s35	19n 0	1s40	6s 7	0n33	17n 7	0n52	24s36	1s 4	16s12	16s21	18n10		n.a.
T 2	13 51	18 17	0 29	18 42	1 41	0 29	1 50	19 22	1 43	1 27	1 34	18 59	1 40	6 8	0 33	17 7	0 52	24 37	1 5	16 13	16 22	18 8		n.a.
W 3	14 11	12 46	0n45	19 13	1 46	0s 1	1 50	19 9	1 41	1 25	1 34	18 58	1 40	6 9	0 33	17 7	0 52	24 37	1 5	16 13	16 23	18 5		n.a.
T 4	14 31	6 36	1 57	19 43	1 50	0 30	1 50	18 57	1 39	1 23	1 34	18 57	1 40	6 11	0 33	17 6	0 52	24 37	1 5	16 13	16 24	18 2		n.a.
F 5	14 50	0 7	3 1	20 12	1 54	1 0	1 50	18 45	1 37	1 21	1 34	18 56	1 40	6 12	0 33	17 6	0 53	24 37	1 5	16 14	16 25	18 0		n.a.
S 6	15 10	6n19	3 54	20 39	1 58	1 29	1 50	18 32	1 35	1 19	1 33	18 55	1 40	6 13	0 33	17 6	0 53	24 37	1 5	16 16	16 25	17 57		n.a.
S 7	15 29	12 24	4 33	21 6	2 2	1 59	1 50	18 20	1 33	1 17	1 33	18 54	1 40	6 15	0 33	17 6	0 53	24 37	1 5	16 19	16 26	17 54		n.a.
M 8	15 48	17 47	4 55	21 32	2 5	2 29	1 50	18 7	1 31	1 15	1 33	18 53	1 40	6 16	0 33	17 6	0 53	24 37	1 5	16 23	16 27	17 51		n.a.
T 9	16 7	22 11	5 0	21 56	2 8	2 58	1 49	17 54	1 29	1 14	1 33	18 52	1 40	6 17	0 33	17 6	0 53	24 38	1 5	16 27	16 28	17 49		n.a.
W10	16 25	25 21	4 48	22 20	2 10	3 28	1 49	17 41	1 27	1 12	1 32	18 51	1 40	6 19	0 33	17 6	0 53	24 38	1 5	16 31	16 29	17 46		n.a.
T 11	16 43	27 6	4 22	22 41	2 13	3 57	1 49	17 28	1 25	1 10	1 32	18 50	1 40	6 20	0 33	17 6	0 53	24 38	1 5	16 34	16 30	17 43		n.a.
F 12	17 1	27 25	3 44	23 2	2 14	4 27	1 48	17 15	1 23	1 9	1 32	18 50	1 40	6 21	0 33	17 6	0 53	24 38	1 5	16 37	16 31	17 41		n.a.
S 13	17 18	26 20	2 56	23 21	2 16	4 56	1 47	17 2	1 21	1 7	1 31	18 49	1 40	6 23	0 33	17 6	0 53	24 38	1 5	16 39	16 32	17 38		n.a.
S 14	17 36	24 2	2 0	23 39	2 16	5 25	1 47	16 48	1 20	1 6	1 31	18 48	1 40	6 24	0 33	17 6	0 53	24 38	1 5	16 41	16 33	17 35		n.a.
M15	17 53	20 42	1 0	23 55	2 17	5 55	1 46	16 35	1 18	1 4	1 31	18 47	1 40	6 25	0 33	17 5	0 53	24 39	1 5	16 41	16 34	17 32		n.a.
T 16	18 9	16 34	0s 2	24 10	2 17	6 24	1 45	16 21	1 16	1 3	1 30	18 46	1 40	6 27	0 33	17 5	0 53	24 39	1 5	16 41	16 35	17 30		n.a.
W17	18 25	11 48	1 4	24 22	2 16	6 53	1 44	16 7	1 14	1 2	1 30	18 45	1 40	6 28	0 33	17 5	0 53	24 39	1 6	16 41	16 36	17 27		n.a.
T 18	18 41	6 35	2 4	24 34	2 14	7 22	1 43	15 54	1 12	1 1	1 30	18 44	1 40	6 29	0 33	17 5	0 53	24 39	1 6	16 41	16 37	17 24		n.a.
F 19	18 57	1 3	2 59	24 43	2 12	7 50	1 42	15 40	1 11	1 0	1 30	18 43	1 40	6 30	0 33	17 5	0 53	24 39	1 6	16 42	16 38	17 21		n.a.
S 20	19 12	4s38	3 47	24 51	2 9	8 19	1 41	15 26	1 9	0 59	1 29	18 42	1 40	6 32	0 33	17 5	0 53	24 39	1 6	16 44	16 39	17 19		n.a.
S 21	19 27	10 17	4 25	24 57	2 6	8 47	1 40	15 12	1 7	0 58	1 29	18 41	1 39	6 33	0 33	17 6	0 53	24 40	1 6	16 46	16 40	17 16		n.a.
M22	19 41	15 39	4 51	25 1	2 1	9 16	1 39	14 58	1 5	0 57	1 29	18 40	1 39	6 34	0 33	17 6	0 53	24 40	1 6	16 49	16 41	17 13		n.a.
T 23	19 55	20 25	5 1	25 3	1 56	9 44	1 37	14 43	1 4	0 57	1 28	18 39	1 39	6 35	0 33	17 6	0 53	24 40	1 6	16 53	16 41	17 10		n.a.
W24	20 9	24 13	4 54	25 3	1 49	10 12	1 36	14 29	1 2	0 56	1 28	18 38	1 39	6 36	0 33	17 6	0 53	24 40	1 6	16 56	16 42	17 8		n.a.
T 25	20 23	26 39	4 30	25 1	1 42	10 39	1 34	14 14	1 0	0 56	1 28	18 37	1 39	6 37	0 33	17 6	0 53	24 40	1 6	17 0	16 43	17 5		n.a.
F 26	20 36	27 24	3 48	24 57	1 34	11 6	1 33	14 0	0 59	0 55	1 27	18 36	1 39	6 39	0 33	17 6	0 53	24 40	1 6	17 3	16 44	17 2		n.a.
S 27	20 48	26 18	2 52	24 51	1 24	11 34	1 31	13 45	0 57	0 55	1 27	18 35	1 39	6 40	0 33	17 6	0 53	24 41	1 6	17 5	16 45	16 59		n.a.
S 28	21 0	23 28	1 44	24 43	1 13	12 0	1 30	13 30	0 56	0 55	1 27	18 34	1 39	6 41	0 33	17 6	0 53	24 41	1 6	17 6	16 46	16 57		n.a.
M29	21 12	19 10	0 31	24 34	1 1	12 27	1 28	13 16	0 54	0 54	1 26	18 33	1 39	6 42	0 33	17 6	0 53	24 41	1 6	17 6	16 47	16 54		n.a.
T 30	21s23	13s48	0n45	24s22	0s48	12s53	1n26	13s 1	0s52	0n54	1s26	18n32	1s39	6s43	0n33	17n 6	0n54	24s41	1s 7	17s 6	16s48	16n51		n.a.

Julian Day Number = 1645755.5, Delta T = 03h33m50s
Ecliptic obliquity = 23°43'20, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'44, Lahiri = - 6°48'44 Julian Calendar 1 Nov. 208 BCE == Greg. Calendar 28 Oct. 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 208 BCE
geocentric

DECEMBER 208 BCE (-207) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 24 8	6♐ 3'49	5♓34	24♐ 7	8♏57	28♒58	5°R31	28°R44	18♎15	15°R55	23♐52	13°R 1	14♒ 1	14♌ 3	n.a.	W 1
T 2	4 28 4	7° 5'05	19°30	24°21	10°12	29°36	5♈30	28♉39	18°18	15♌54	23°54	13♒ 1	13°58	14°10	n.a.	T 2
F 3	4 32 1	8° 6'20	3♈18	24°R24	11°27	0♓15	5°30	28°34	18°21	15°54	23°56	12°58	13°55	14°16	n.a.	F 3
S 4	4 35 57	9° 7'35	16°57	24°16	12°42	0°53	5°D30	28°30	18°24	15°54	23°58	12°53	13°52	14°23	n.a.	S 4
S 5	4 39 54	10° 8'49	0♉26	23°56	13°57	1°32	5°30	28°25	18°26	15°53	24° 0	12°45	13°49	14°30	n.a.	S 5
M 6	4 43 51	11°10'03	13°45	23°24	15°12	2°11	5°30	28°20	18°29	15°53	24° 2	12°34	13°45	14°36	n.a.	M 6
T 7	4 47 47	12°11'17	26°51	22°41	16°26	2°49	5°30	28°15	18°32	15°52	24° 4	12°23	13°42	14°43	n.a.	T 7
W 8	4 51 44	13°12'31	9♊45	21°46	17°41	3°28	5°31	28°10	18°34	15°52	24° 6	12°12	13°39	14°50	n.a.	W 8
T 9	4 55 40	14°13'44	22°24	20°43	18°56	4° 7	5°32	28° 6	18°37	15°51	24° 8	12° 2	13°36	14°56	n.a.	T 9
F 10	4 59 37	15°14'57	4♋49	19°32	20°11	4°45	5°33	28° 1	18°39	15°50	24°10	11°54	13°33	15° 3	n.a.	F 10
S 11	5 3 33	16°16'09	17° 0	18°16	21°26	5°24	5°34	27°57	18°42	15°50	24°12	11°48	13°30	15°10	n.a.	S 11
S 12	5 7 30	17°17'21	29° 0	16°56	22°41	6° 3	5°36	27°52	18°44	15°49	24°13	11°45	13°26	15°16	n.a.	S 12
M13	5 11 26	18°18'33	10♌52	15°37	23°56	6°42	5°38	27°47	18°46	15°48	24°15	11°D43	13°23	15°23	n.a.	M13
T 14	5 15 23	19°19'45	22°39	14°20	25°11	7°21	5°39	27°43	18°49	15°48	24°17	11°44	13°20	15°29	n.a.	T 14
W15	5 19 20	20°20'56	4♍26	13° 7	26°26	8° 0	5°42	27°39	18°51	15°47	24°19	11°45	13°17	15°36	n.a.	W15
T 16	5 23 16	21°22'07	16°19	12° 0	27°41	8°38	5°44	27°34	18°53	15°46	24°21	11°R46	13°14	15°43	n.a.	T 16
F 17	5 27 13	22°23'17	28°23	11° 1	28°56	9°17	5°46	27°30	18°55	15°45	24°23	11°46	13°10	15°49	n.a.	F 17
S 18	5 31 9	23°24'27	10♎43	10°10	0♐10	9°56	5°49	27°26	18°57	15°44	24°25	11°44	13° 7	15°56	n.a.	S 18
S 19	5 35 6	24°25'37	23°23	9°29	1°25	10°35	5°52	27°21	19° 0	15°44	24°27	11°41	13° 4	16° 3	n.a.	S 19
M20	5 39 2	25°26'46	6♏28	8°57	2°40	11°14	5°55	27°17	19° 2	15°43	24°29	11°35	13° 1	16° 9	n.a.	M20
T 21	5 42 59	26°27'55	19°59	8°35	3°55	11°53	5°58	27°13	19° 4	15°42	24°31	11°28	12°58	16°16	n.a.	T 21
W22	5 46 55	27°29'03	3♐56	8°22	5°10	12°32	6° 2	27° 9	19° 6	15°41	24°33	11°20	12°55	16°23	n.a.	W22
T 23	5 50 52	28°30'10	18°16	8°D17	6°25	13°12	6° 6	27° 6	19° 7	15°40	24°35	11°13	12°51	16°29	n.a.	T 23
F 24	5 54 49	29°31'17	2♑53	8°21	7°40	13°51	6°10	27° 2	19° 9	15°39	24°37	11° 7	12°48	16°36	n.a.	F 24
S 25	5 58 45	0♑32'23	17°40	8°32	8°55	14°30	6°14	26°58	19°11	15°38	24°39	11° 3	12°45	16°43	n.a.	S 25
S 26	6 2 42	1°33'27	2♒30	8°50	10°10	15° 9	6°18	26°54	19°13	15°37	24°41	11° 1	12°42	16°49	n.a.	S 26
M27	6 6 38	2°34'31	17°14	9°14	11°25	15°48	6°22	26°51	19°15	15°36	24°43	11°D 1	12°39	16°56	n.a.	M27
T 28	6 10 35	3°35'33	1♓48	9°45	12°40	16°27	6°27	26°47	19°16	15°34	24°45	11° 2	12°36	17° 3	n.a.	T 28
W29	6 14 31	4°36'33	16° 7	10°20	13°55	17° 6	6°32	26°44	19°18	15°33	24°47	11° 3	12°32	17° 9	n.a.	W29
T 30	6 18 28	5°37'32	0♈ 9	11° 1	15°10	17°46	6°37	26°41	19°19	15°32	24°49	11°R 4	12°29	17°16	n.a.	T 30
F 31	6 22 25	6♑38'30	13♈54	11♐46	16♐25	18♓25	6♈42	26♉37	19♎21	15♌31	24♐51	11♒ 4	12♒26	17♌22	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	21 s34	7 s46	1n57	24 s 9	0 s33	13 s19	1n24	12 s46	0 s51	0n54	1 s26	18n31	1 s38	6 s44	0n33	17n 6	0n54	24 s41	1 s 7	17 s 6	16 s49	16n48		n.a.	W 1
T 2	21 45	1 26	3 1	23 53	0 17	13 45	1 23	12 31	0 49	0 54	1 25	18 30	1 38	6 45	0 33	17 7	0 54	24 41	1 7	17 6	16 50	16 45		n.a.	T 2
F 3	21 55	4n54	3 54	23 37	0 0	14 10	1 21	12 16	0 48	0 55	1 25	18 29	1 38	6 46	0 33	17 7	0 54	24 42	1 7	17 7	16 51	16 43		n.a.	F 3
S 4	22 5	10 56	4 33	23 18	0n18	14 35	1 19	12 0	0 46	0 55	1 25	18 28	1 38	6 47	0 33	17 7	0 54	24 42	1 7	17 9	16 52	16 40		n.a.	S 4
S 5	22 14	16 23	4 57	22 58	0 36	14 59	1 17	11 45	0 45	0 55	1 24	18 27	1 38	6 48	0 33	17 7	0 54	24 42	1 7	17 11	16 53	16 37		n.a.	S 5
M 6	22 23	20 58	5 4	22 37	0 56	15 24	1 15	11 30	0 43	0 56	1 24	18 26	1 38	6 49	0 33	17 7	0 54	24 42	1 7	17 14	16 54	16 34		n.a.	M 6
T 7	22 31	24 27	4 54	22 15	1 16	15 47	1 13	11 14	0 42	0 56	1 24	18 25	1 38	6 50	0 33	17 7	0 54	24 42	1 7	17 17	16 54	16 31		n.a.	T 7
W 8	22 39	26 37	4 30	21 53	1 35	16 11	1 10	10 59	0 41	0 57	1 23	18 24	1 38	6 51	0 33	17 8	0 54	24 42	1 7	17 20	16 55	16 29		n.a.	W 8
T 9	22 47	27 22	3 52	21 29	1 54	16 34	1 8	10 43	0 39	0 57	1 23	18 23	1 37	6 52	0 33	17 8	0 54	24 43	1 7	17 23	16 56	16 26		n.a.	T 9
F 10	22 54	26 42	3 5	21 6	2 13	16 56	1 6	10 28	0 38	0 58	1 23	18 22	1 37	6 53	0 33	17 8	0 54	24 43	1 7	17 26	16 57	16 23		n.a.	F 10
S 11	23 0	24 45	2 9	20 43	2 29	17 18	1 4	10 12	0 36	0 59	1 22	18 22	1 37	6 54	0 33	17 8	0 54	24 43	1 7	17 27	16 58	16 20		n.a.	S 11
S 12	23 6	21 42	1 8	20 21	2 44	17 40	1 2	9 56	0 35	1 0	1 22	18 21	1 37	6 55	0 33	17 8	0 54	24 43	1 7	17 28	16 59	16 17		n.a.	S 12
M13	23 12	17 47	0 5	20 0	2 57	18 1	0 59	9 41	0 34	1 1	1 22	18 20	1 37	6 56	0 33	17 9	0 54	24 43	1 8	17 28	17 0	16 15		n.a.	M13
T 14	23 17	13 12	0 s59	19 41	3 7	18 22	0 57	9 25	0 32	1 2	1 21	18 19	1 37	6 57	0 33	17 9	0 54	24 43	1 8	17 28	17 1	16 12		n.a.	T 14
W15	23 22	8 9	1 59	19 25	3 15	18 42	0 55	9 9	0 31	1 3	1 21	18 18	1 36	6 58	0 33	17 9	0 54	24 44	1 8	17 28	17 2	16 9		n.a.	W15
T 16	23 26	2 46	2 56	19 11	3 21	19 2	0 52	8 53	0 30	1 4	1 21	18 17	1 36	6 58	0 33	17 9	0 54	24 44	1 8	17 28	17 3	16 6		n.a.	T 16
F 17	23 30	2 s47	3 45	19 0	3 24	19 21	0 50	8 37	0 28	1 6	1 20	18 17	1 36	6 59	0 33	17 10	0 54	24 44	1 8	17 28	17 4	16 3		n.a.	F 17
S 18	23 33	8 20	4 25	18 52	3 25	19 39	0 47	8 21	0 27	1 7	1 20	18 16	1 36	7 0	0 33	17 10	0 54	24 44	1 8	17 28	17 5	16 0		n.a.	S 18
S 19	23 36	13 43	4 53	18 47	3 24	19 58	0 45	8 5	0 26	1 9	1 20	18 15	1 36	7 1	0 33	17 10	0 54	24 44	1 8	17 29	17 5	15 58		n.a.	S 19
M20	23 39	18 39	5 8	18 45	3 21	20 15	0 42	7 49	0 25	1 10	1 19	18 14	1 35	7 2	0 33	17 11	0 54	24 44	1 8	17 31	17 6	15 55		n.a.	M20
T 21	23 40	22 50	5 5	18 45	3 17	20 32	0 40	7 33	0 23	1 12	1 19	18 13	1 35	7 2	0 33	17 11	0 54	24 45	1 8	17 33	17 7	15 52		n.a.	T 21
W22	23 42	25 51	4 45	18 49	3 11	20 48	0 37	7 16	0 22	1 13	1 19	18 13	1 35	7 3	0 33	17 11	0 54	24 45	1 8	17 35	17 8	15 49		n.a.	W22
T 23	23 43	27 18	4 7	18 55	3 5	21 4	0 35	7 0	0 21	1 15	1 18	18 12	1 35	7 4	0 33	17 12	0 54	24 45	1 8	17 37	17 9	15 46		n.a.	T 23
F 24	23 43	26 53	3 12	19 3	2 57	21 19	0 32	6 44	0 20	1 17	1 18	18 11	1 35	7 4	0 33	17 12	0 54	24 45	1 9	17 39	17 10	15 43		n.a.	F 24
S 25	23 43	24 35	2 3	19 12	2 49	21 34	0 30	6 27	0 19	1 19	1 18	18 11	1 35	7 5	0 33	17 12	0 54	24 45	1 9	17 40	17 11	15 40		n.a.	S 25
S 26	23 43	20 35	0 46	19 24	2 40	21 48	0 27	6 11	0 17	1 21	1 17	18 10	1 34	7 6	0 33	17 13	0 55	24 45	1 9	17 40	17 12	15 38		n.a.	S 26
M27	23 42	15 19	0n34	19 36	2 31	22 1	0 24	5 55	0 16	1 23	1 17	18 9	1 34	7 6	0 33	17 13	0 55	24 46	1 9	17 40	17 13	15 35		n.a.	M27
T 28	23 40	9 14	1 51	19 50	2 22	22 13	0 22	5 38	0 15	1 25	1 17	18 9	1 34	7 7	0 33	17 13	0 55	24 46	1 9	17 40	17 14	15 32		n.a.	T 28
W29	23 38	2 47	3 0	20 5	2 12	22 25	0 19	5 22	0 14	1 27	1 16	18 8	1 34	7 8	0 33	17 14	0 55	24 46	1 9	17 40	17 15	15 29		n.a.	W29
T 30	23 36	3n40	3 56	20 21	2 2	22 37	0 17	5 5	0 13	1 30	1 16	18 8	1 33	7 8	0 33	17 14	0 55	24 46	1 9	17 39	17 15	15 26		n.a.	T 30
F 31	23 s33	9n48	4n38	20 s37	1n52	22 s47	0n14	4 s49	0 s12	1n32	1 s16	18n 7	1 s33	7 s 9	0n33	17n15	0n55	24 s46	1 s 9	17 s39	17 s16	15n23		n.a.	F 31

Julian Day Number = 1645785.5, Delta T = 03h33m49s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'40, Lahiri = - 6°48'40 Julian Calendar 1 Dec. 208 BCE == Greg. Calendar 27 Nov. 208 BCE

The year -207 astronomical counting style corresponds to year 208 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

JANUARY 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 26 21	7♉39'26	27♈22	12♐35	17♐40	19♓ 4	6♈47	26°R34	19♎22	15°R30	24♐53	11°R 2	12♒23	17♌29	n.a.	S 1
S 2	6 30 18	8°40'21	10♉35	13°27	18°54	19°43	6°53	26♉31	19°24	15♌28	24°55	10♒59	12°20	17°36	n.a.	S 2
M 3	6 34 14	9°41'14	23°33	14°23	20° 9	20°23	6°59	26°28	19°25	15°27	24°57	10°55	12°16	17°42	n.a.	M 3
T 4	6 38 11	10°42'06	6♊18	15°22	21°24	21° 2	7° 4	26°25	19°26	15°26	24°59	10°49	12°13	17°49	n.a.	T 4
W 5	6 42 7	11°42'57	18°50	16°24	22°39	21°41	7°10	26°23	19°28	15°25	25° 1	10°44	12°10	17°56	n.a.	W 5
T 6	6 46 4	12°43'46	1♋11	17°28	23°54	22°20	7°17	26°20	19°29	15°23	25° 3	10°39	12° 7	18° 2	n.a.	T 6
F 7	6 50 0	13°44'34	13°22	18°34	25° 9	23° 0	7°23	26°17	19°30	15°22	25° 5	10°36	12° 4	18° 9	n.a.	F 7
S 8	6 53 57	14°45'20	25°23	19°43	26°24	23°39	7°30	26°15	19°31	15°21	25° 7	10°33	12° 1	18°16	n.a.	S 8
S 9	6 57 54	15°46'05	7♌18	20°54	27°39	24°18	7°36	26°13	19°32	15°19	25° 9	10°D32	11°57	18°22	n.a.	S 9
M10	7 1 50	16°46'48	19° 7	22° 6	28°53	24°57	7°43	26°10	19°33	15°18	25°11	10°32	11°54	18°29	n.a.	M10
T 11	7 5 47	17°47'30	0♍54	23°20	0♉ 8	25°37	7°50	26° 8	19°34	15°16	25°12	10°34	11°51	18°36	n.a.	T 11
W12	7 9 43	18°48'11	12°42	24°36	1°23	26°16	7°57	26° 6	19°35	15°15	25°14	10°35	11°48	18°42	n.a.	W12
T 13	7 13 40	19°48'50	24°35	25°53	2°38	26°55	8° 5	26° 4	19°35	15°13	25°16	10°37	11°45	18°49	n.a.	T 13
F 14	7 17 36	20°49'28	6♎38	27°12	3°53	27°34	8°12	26° 2	19°36	15°12	25°18	10°38	11°42	18°56	n.a.	F 14
S 15	7 21 33	21°50'05	18°56	28°32	5° 8	28°14	8°20	26° 1	19°37	15°11	25°20	10°R39	11°38	19° 2	n.a.	S 15
S 16	7 25 29	22°50'40	1♏32	29°54	6°22	28°53	8°27	25°59	19°38	15° 9	25°22	10°39	11°35	19° 9	n.a.	S 16
M17	7 29 26	23°51'14	14°31	1♉16	7°37	29°32	8°35	25°58	19°38	15° 7	25°23	10°38	11°32	19°15	n.a.	M17
T 18	7 33 23	24°51'47	27°56	2°40	8°52	0♈11	8°43	25°56	19°39	15° 6	25°25	10°36	11°29	19°22	n.a.	T 18
W19	7 37 19	25°52'19	11♐49	4° 5	10° 7	0°51	8°52	25°55	19°39	15° 4	25°27	10°34	11°26	19°29	n.a.	W19
T 20	7 41 16	26°52'48	26° 8	5°31	11°22	1°30	9° 0	25°54	19°40	15° 3	25°29	10°32	11°22	19°35	n.a.	T 20
F 21	7 45 12	27°53'17	10♉51	6°58	12°36	2° 9	9° 8	25°53	19°40	15° 1	25°31	10°31	11°19	19°42	n.a.	F 21
S 22	7 49 9	28°53'44	25°50	8°27	13°51	2°48	9°17	25°52	19°40	15° 0	25°32	10°30	11°16	19°49	n.a.	S 22
S 23	7 53 5	29°54'08	10♒58	9°56	15° 6	3°28	9°26	25°51	19°41	14°58	25°34	10°D30	11°13	19°55	n.a.	S 23
M24	7 57 2	0♒54'31	26° 5	11°26	16°21	4° 7	9°35	25°50	19°41	14°57	25°36	10°30	11°10	20° 2	n.a.	M24
T 25	8 0 59	1°54'52	11♓ 2	12°58	17°35	4°46	9°44	25°50	19°41	14°55	25°37	10°30	11° 7	20° 9	n.a.	T 25
W26	8 4 55	2°55'11	25°42	14°30	18°50	5°25	9°53	25°49	19°41	14°53	25°39	10°31	11° 3	20°15	n.a.	W26
T 27	8 8 52	3°55'28	10♈ 0	16° 4	20° 5	6° 5	10° 2	25°49	19°R41	14°52	25°41	10°32	11° 0	20°22	n.a.	T 27
F 28	8 12 48	4°55'42	23°54	17°38	21°20	6°44	10°12	25°48	19°41	14°50	25°42	10°32	10°57	20°29	n.a.	F 28
S 29	8 16 45	5°55'54	7♉25	19°14	22°34	7°23	10°21	25°48	19°41	14°48	25°44	10°R32	10°54	20°35	n.a.	S 29
S 30	8 20 41	6°56'04	20°33	20°50	23°49	8° 2	10°31	25°D48	19°41	14°47	25°46	10°32	10°51	20°42	n.a.	S 30
M31	8 24 38	7♒56'12	3♊21	22♉28	25♉ 4	8♈41	10♈41	25♉48	19♎41	14♌45	25♐47	10♒32	10♒48	20♌49	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s30	15n22	5n 4	20s53	1n42	22s57	0n11	4s32	0s11	1n34	1s15	18n 7	1s33	7s 9	0n33	17n15	0n55	24s47	1s 9	17s40	17s17	15n20		n.a.
S 2	23 26	20 6	5 12	21 9	1 32	23 6	0 9	4 16	0 10	1 37	1 15	18 6	1 33	7 10	0 33	17 15	0 55	24 47	1 9	17 41	17 18	15 17		n.a.
M 3	23 22	23 47	5 5	21 26	1 22	23 15	0 6	3 59	0 8	1 40	1 15	18 6	1 33	7 10	0 33	17 16	0 55	24 47	1 9	17 42	17 19	15 15		n.a.
T 4	23 17	26 15	4 42	21 42	1 12	23 23	0 4	3 43	0 7	1 42	1 14	18 5	1 32	7 11	0 33	17 16	0 55	24 47	1 10	17 43	17 20	15 12		n.a.
W 5	23 12	27 20	4 6	21 59	1 3	23 30	0 1	3 26	0 6	1 45	1 14	18 5	1 32	7 11	0 33	17 17	0 55	24 47	1 10	17 45	17 21	15 9		n.a.
T 6	23 6	27 2	3 19	22 15	0 53	23 36	0s 2	3 9	0 5	1 48	1 14	18 4	1 32	7 12	0 34	17 17	0 55	24 47	1 10	17 46	17 22	15 6		n.a.
F 7	23 0	25 26	2 24	22 30	0 43	23 42	0 4	2 53	0 4	1 50	1 14	18 4	1 32	7 12	0 34	17 17	0 55	24 48	1 10	17 47	17 23	15 3		n.a.
S 8	22 54	22 40	1 22	22 45	0 34	23 47	0 7	2 36	0 3	1 53	1 13	18 4	1 31	7 12	0 34	17 18	0 55	24 48	1 10	17 48	17 24	15 0		n.a.
S 9	22 47	18 57	0 18	22 59	0 25	23 51	0 9	2 19	0 2	1 56	1 13	18 3	1 31	7 13	0 34	17 18	0 55	24 48	1 10	17 48	17 24	14 57		n.a.
M10	22 39	14 31	0s47	23 13	0 16	23 55	0 12	2 3	0 1	1 59	1 13	18 3	1 31	7 13	0 34	17 19	0 55	24 48	1 10	17 48	17 25	14 54		n.a.
T 11	22 31	9 34	1 50	23 26	0 7	23 57	0 14	1 46	0 0	2 2	1 12	18 3	1 31	7 13	0 34	17 19	0 55	24 48	1 10	17 48	17 26	14 51		n.a.
W12	22 23	4 17	2 48	23 38	0s 2	23 59	0 17	1 30	0n 1	2 5	1 12	18 2	1 31	7 14	0 34	17 20	0 55	24 48	1 10	17 47	17 27	14 48		n.a.
T 13	22 14	1s11	3 40	23 49	0 10	24 1	0 19	1 13	0 2	2 9	1 12	18 2	1 30	7 14	0 34	17 20	0 55	24 49	1 10	17 47	17 28	14 46		n.a.
F 14	22 5	6 41	4 23	24 0	0 18	24 1	0 21	0 56	0 3	2 12	1 11	18 2	1 30	7 14	0 34	17 21	0 55	24 49	1 11	17 46	17 29	14 43		n.a.
S 15	21 56	12 1	4 54	24 9	0 26	24 1	0 24	0 40	0 4	2 15	1 11	18 2	1 30	7 15	0 34	17 21	0 55	24 49	1 11	17 46	17 30	14 40		n.a.
S 16	21 46	17 1	5 13	24 17	0 34	24 0	0 26	0 23	0 4	2 18	1 11	18 2	1 30	7 15	0 34	17 22	0 55	24 49	1 11	17 46	17 31	14 37		n.a.
M17	21 35	21 24	5 16	24 24	0 41	23 59	0 29	0 6	0 5	2 22	1 11	18 2	1 29	7 15	0 34	17 22	0 55	24 49	1 11	17 47	17 32	14 34		n.a.
T 18	21 24	24 50	5 2	24 30	0 48	23 56	0 31	0n10	0 6	2 25	1 10	18 1	1 29	7 15	0 34	17 23	0 55	24 49	1 11	17 47	17 32	14 31		n.a.
W19	21 13	26 56	4 31	24 35	0 55	23 53	0 33	0 27	0 7	2 29	1 10	18 1	1 29	7 15	0 34	17 23	0 55	24 50	1 11	17 48	17 33	14 28		n.a.
T 20	21 2	27 22	3 42	24 38	1 2	23 49	0 35	0 43	0 8	2 32	1 10	18 1	1 29	7 15	0 34	17 23	0 55	24 50	1 11	17 48	17 34	14 25		n.a.
F 21	20 50	25 53	2 37	24 40	1 8	23 44	0 38	1 0	0 9	2 36	1 10	18 1	1 28	7 16	0 34	17 24	0 55	24 50	1 11	17 49	17 35	14 22		n.a.
S 22	20 37	22 33	1 20	24 41	1 14	23 39	0 40	1 17	0 10	2 40	1 9	18 1	1 28	7 16	0 34	17 24	0 55	24 50	1 11	17 49	17 36	14 19		n.a.
S 23	20 25	17 38	0n 3	24 41	1 20	23 33	0 42	1 33	0 11	2 43	1 9	18 1	1 28	7 16	0 34	17 25	0 55	24 50	1 12	17 49	17 37	14 16		n.a.
M24	20 12	11 38	1 26	24 39	1 26	23 26	0 44	1 50	0 11	2 47	1 9	18 1	1 28	7 16	0 34	17 25	0 55	24 50	1 12	17 49	17 38	14 13		n.a.
T 25	19 58	5 2	2 42	24 35	1 31	23 19	0 46	2 6	0 12	2 51	1 9	18 2	1 27	7 16	0 34	17 26	0 55	24 51	1 12	17 49	17 39	14 10		n.a.
W26	19 44	1n43	3 46	24 30	1 36	23 10	0 48	2 23	0 13	2 55	1 8	18 2	1 27	7 16	0 34	17 26	0 55	24 51	1 12	17 48	17 40	14 7		n.a.
T 27	19 30	8 12	4 34	24 24	1 40	23 2	0 50	2 39	0 14	2 59	1 8	18 2	1 27	7 16	0 34	17 27	0 55	24 51	1 12	17 48	17 40	14 4		n.a.
F 28	19 15	14 5	5 5	24 16	1 44	22 52	0 52	2 56	0 15	3 3	1 8	18 2	1 27	7 16	0 34	17 27	0 55	24 51	1 12	17 48	17 41	14 2		n.a.
S 29	19 1	19 8	5 17	24 6	1 48	22 42	0 54	3 12	0 16	3 7	1 8	18 2	1 26	7 16	0 34	17 28	0 55	24 51	1 12	17 48	17 42	13 59		n.a.
S 30	18 45	23 7	5 13	23 55	1 52	22 31	0 56	3 28	0 16	3 11	1 7	18 2	1 26	7 16	0 34	17 28	0 55	24 51	1 12	17 48	17 43	13 56		n.a.
M31	18s30	25n52	4n53	23s43	1s55	22s19	0s58	3n45	0n17	3n15	1s 7	18n 3	1s26	7s16	0n34	17n29	0n55	24s52	1s12	17s48	17s44	13n53		n.a.

Julian Day Number = 1645816.5, Delta T = 03h33m48s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'36, Lahiri = - 6°48'36 Julian Calendar 1 Jan. 207 BCE == Greg. Calendar 28 Dec. 208 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

FEBRUARY 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 28 34	8♒56'18	15♊53	24♉ 7	26♉18	9♈21	10♈50	25♉48	19°R40	14°R43	25♐49	10°R32	10♒44	20♌55	n.a.	T 1
W 2	8 32 31	9°56'22	28°10	25°46	27°33	10° 0	11° 0	25°49	19♎40	14♌42	25°50	10♒32	10°41	21° 2	n.a.	W 2
T 3	8 36 27	10°56'23	10♋17	27°27	28°48	10°39	11°11	25°49	19°40	14°40	25°52	10°D32	10°38	21° 8	n.a.	T 3
F 4	8 40 24	11°56'23	22°15	29° 9	0♒ 2	11°18	11°21	25°50	19°39	14°38	25°53	10°32	10°35	21°15	n.a.	F 4
S 5	8 44 21	12°56'20	4♌ 8	0♒52	1°17	11°57	11°31	25°50	19°39	14°37	25°55	10°32	10°32	21°22	n.a.	S 5
S 6	8 48 17	13°56'15	15°57	2°36	2°31	12°37	11°42	25°51	19°38	14°35	25°56	10°R32	10°28	21°28	n.a.	S 6
M 7	8 52 14	14°56'08	27°45	4°21	3°46	13°16	11°52	25°52	19°38	14°33	25°58	10°32	10°25	21°35	n.a.	M 7
T 8	8 56 10	15°55'59	9♍34	6° 8	5° 1	13°55	12° 3	25°53	19°37	14°32	25°59	10°31	10°22	21°42	n.a.	T 8
W 9	9 0 7	16°55'48	21°26	7°55	6°15	14°34	12°13	25°54	19°37	14°30	26° 1	10°30	10°19	21°48	n.a.	W 9
T 10	9 4 3	17°55'35	3♎24	9°44	7°30	15°13	12°24	25°55	19°36	14°28	26° 2	10°29	10°16	21°55	n.a.	T 10
F 11	9 8 0	18°55'20	15°31	11°34	8°44	15°52	12°35	25°57	19°35	14°27	26° 3	10°28	10°13	22° 2	n.a.	F 11
S 12	9 11 56	19°55'03	27°49	13°25	9°59	16°31	12°46	25°58	19°34	14°25	26° 5	10°27	10° 9	22° 8	n.a.	S 12
S 13	9 15 53	20°54'45	10♏24	15°17	11°13	17°10	12°57	26° 0	19°33	14°23	26° 6	10°27	10° 6	22°15	n.a.	S 13
M14	9 19 50	21°54'25	23°18	17°10	12°28	17°49	13° 9	26° 1	19°32	14°22	26° 7	10°D26	10° 3	22°22	n.a.	M14
T 15	9 23 46	22°54'02	6♐35	19° 5	13°42	18°28	13°20	26° 3	19°31	14°20	26° 8	10°27	10° 0	22°28	n.a.	T 15
W16	9 27 43	23°53'39	20°17	21° 0	14°57	19° 7	13°31	26° 5	19°30	14°19	26°10	10°27	9°57	22°35	n.a.	W16
T 17	9 31 39	24°53'13	4♑25	22°57	16°11	19°46	13°43	26° 7	19°29	14°17	26°11	10°29	9°54	22°42	n.a.	T 17
F 18	9 35 36	25°52'46	18°58	24°55	17°26	20°25	13°54	26° 9	19°28	14°15	26°12	10°30	9°50	22°48	n.a.	F 18
S 19	9 39 32	26°52'16	3♒51	26°53	18°40	21° 4	14° 6	26°11	19°27	14°14	26°13	10°R30	9°47	22°55	n.a.	S 19
S 20	9 43 29	27°51'45	18°59	28°53	19°55	21°43	14°18	26°13	19°26	14°12	26°14	10°30	9°44	23° 2	n.a.	S 20
M21	9 47 25	28°51'11	4♓13	0♓53	21° 9	22°22	14°30	26°16	19°25	14°10	26°16	10°29	9°41	23° 8	n.a.	M21
T 22	9 51 22	29°50'35	19°22	2°55	22°24	23° 1	14°41	26°18	19°23	14° 9	26°17	10°27	9°38	23°15	n.a.	T 22
W23	9 55 19	0♓49'57	4♈17	4°56	23°38	23°40	14°53	26°21	19°22	14° 7	26°18	10°25	9°34	23°21	n.a.	W23
T 24	9 59 15	1°49'16	18°51	6°58	24°53	24°19	15° 6	26°24	19°21	14° 6	26°19	10°22	9°31	23°28	n.a.	T 24
F 25	10 3 12	2°48'33	2♉59	9° 0	26° 7	24°58	15°18	26°26	19°19	14° 4	26°20	10°19	9°28	23°35	n.a.	F 25
S 26	10 7 8	3°47'48	16°39	11° 2	27°21	25°37	15°30	26°29	19°18	14° 2	26°21	10°17	9°25	23°41	n.a.	S 26
S 27	10 11 5	4°47'00	29°52	13° 4	28°36	26°16	15°42	26°32	19°16	14° 1	26°22	10°D16	9°22	23°48	n.a.	S 27
M28	10 15 1	5♓46'10	12♊40	15♓ 5	29♒50	26♈55	15♈54	26♉35	19♎15	13♌59	26♐23	10♒16	9♒19	23♌55	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s14	27n16	4n19	23s28	1s57	22s 7	0s59	4n 1	0n18	3n19	1s 7	18n 3	1s26	7s15	0n34	17n29	0n55	24s52	1s13	17s48	17s45	13n50		n.a.
W 2	17 58	27 17	3 34	23 12	2 0	21 54	1 1	4 17	0 19	3 23	1 7	18 3	1 25	7 15	0 34	17 30	0 55	24 52	1 13	17 48	17 46	13 47		n.a.
T 3	17 41	25 59	2 40	22 54	2 2	21 40	1 3	4 34	0 19	3 27	1 6	18 4	1 25	7 15	0 34	17 30	0 55	24 52	1 13	17 48	17 47	13 44		n.a.
F 4	17 25	23 30	1 40	22 35	2 3	21 26	1 4	4 50	0 20	3 32	1 6	18 4	1 25	7 15	0 34	17 31	0 55	24 52	1 13	17 48	17 47	13 41		n.a.
S 5	17 8	20 2	0 36	22 14	2 5	21 11	1 6	5 6	0 21	3 36	1 6	18 4	1 25	7 15	0 34	17 32	0 56	24 52	1 13	17 48	17 48	13 38		n.a.
S 6	16 50	15 46	0s30	21 51	2 5	20 55	1 7	5 22	0 22	3 40	1 6	18 5	1 24	7 15	0 34	17 32	0 56	24 53	1 13	17 48	17 49	13 35		n.a.
M 7	16 33	10 55	1 34	21 26	2 6	20 39	1 9	5 38	0 22	3 45	1 5	18 5	1 24	7 14	0 34	17 33	0 56	24 53	1 13	17 48	17 50	13 32		n.a.
T 8	16 15	5 42	2 35	20 59	2 5	20 22	1 10	5 54	0 23	3 49	1 5	18 6	1 24	7 14	0 34	17 33	0 56	24 53	1 13	17 48	17 51	13 29		n.a.
W 9	15 57	0 15	3 28	20 31	2 5	20 5	1 11	6 10	0 24	3 53	1 5	18 6	1 24	7 14	0 34	17 34	0 56	24 53	1 13	17 49	17 52	13 26		n.a.
T 10	15 38	5s14	4 13	20 0	2 4	19 47	1 13	6 26	0 24	3 58	1 5	18 7	1 23	7 14	0 34	17 34	0 56	24 53	1 14	17 49	17 53	13 23		n.a.
F 11	15 20	10 35	4 48	19 28	2 2	19 29	1 14	6 42	0 25	4 2	1 5	18 7	1 23	7 13	0 34	17 35	0 56	24 53	1 14	17 49	17 54	13 20		n.a.
S 12	15 1	15 38	5 10	18 54	2 0	19 10	1 15	6 58	0 26	4 7	1 4	18 8	1 23	7 13	0 34	17 35	0 56	24 54	1 14	17 50	17 54	13 17		n.a.
S 13	14 42	20 7	5 17	18 19	1 57	18 50	1 16	7 14	0 27	4 12	1 4	18 8	1 23	7 13	0 34	17 36	0 56	24 54	1 14	17 50	17 55	13 14		n.a.
M14	14 22	23 48	5 9	17 41	1 54	18 30	1 17	7 29	0 27	4 16	1 4	18 9	1 22	7 12	0 34	17 36	0 56	24 54	1 14	17 50	17 56	13 11		n.a.
T 15	14 3	26 20	4 45	17 2	1 50	18 9	1 18	7 45	0 28	4 21	1 4	18 10	1 22	7 12	0 34	17 37	0 56	24 54	1 14	17 50	17 57	13 8		n.a.
W16	13 43	27 25	4 4	16 20	1 46	17 48	1 19	8 1	0 29	4 25	1 3	18 10	1 22	7 11	0 34	17 37	0 56	24 54	1 14	17 49	17 58	13 5		n.a.
T 17	13 23	26 46	3 7	15 37	1 41	17 27	1 20	8 16	0 29	4 30	1 3	18 11	1 22	7 11	0 34	17 38	0 56	24 54	1 14	17 49	17 59	13 2		n.a.
F 18	13 3	24 17	1 57	14 53	1 36	17 4	1 21	8 32	0 30	4 35	1 3	18 12	1 22	7 11	0 34	17 38	0 56	24 54	1 15	17 49	18 0	12 59		n.a.
S 19	12 42	20 7	0 37	14 6	1 30	16 42	1 22	8 47	0 30	4 40	1 3	18 13	1 21	7 10	0 35	17 38	0 56	24 55	1 15	17 49	18 0	12 56		n.a.
S 20	12 21	14 34	0n47	13 18	1 23	16 19	1 22	9 3	0 31	4 44	1 3	18 13	1 21	7 10	0 35	17 39	0 56	24 55	1 15	17 49	18 1	12 53		n.a.
M21	12 1	8 6	2 7	12 28	1 16	15 55	1 23	9 18	0 32	4 49	1 2	18 14	1 21	7 9	0 35	17 39	0 56	24 55	1 15	17 49	18 2	12 50		n.a.
T 22	11 40	1 13	3 19	11 37	1 9	15 31	1 23	9 33	0 32	4 54	1 2	18 15	1 21	7 9	0 35	17 40	0 56	24 55	1 15	17 49	18 3	12 47		n.a.
W23	11 18	5n37	4 15	10 45	1 0	15 7	1 24	9 48	0 33	4 59	1 2	18 16	1 20	7 8	0 35	17 40	0 56	24 55	1 15	17 50	18 4	12 44		n.a.
T 24	10 57	11 59	4 54	9 51	0 51	14 42	1 24	10 3	0 33	5 4	1 2	18 17	1 20	7 8	0 35	17 41	0 56	24 55	1 15	17 51	18 5	12 41		n.a.
F 25	10 36	17 32	5 13	8 56	0 42	14 17	1 25	10 18	0 34	5 9	1 2	18 18	1 20	7 7	0 35	17 41	0 56	24 56	1 15	17 52	18 6	12 38		n.a.
S 26	10 14	22 0	5 13	8 0	0 32	13 52	1 25	10 33	0 35	5 14	1 2	18 19	1 20	7 6	0 35	17 42	0 56	24 56	1 15	17 52	18 6	12 35		n.a.
S 27	9 52	25 12	4 57	7 4	0 22	13 26	1 25	10 48	0 35	5 19	1 1	18 19	1 19	7 6	0 35	17 42	0 56	24 56	1 16	17 53	18 7	12 32		n.a.
M28	9s30	26n59	4n26	6s 7	0s11	13s 0	1s25	11n 3	0n36	5n23	1s 1	18n20	1s19	7s 5	0n35	17n43	0n56	24s56	1s16	17s53	18s 8	12n29		n.a.

Julian Day Number = 1645847.5, Delta T = 03h33m47s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'32, Lahiri = - 6°48'31 Julian Calendar 1 Feb. 207 BCE == Greg. Calendar 28 Jan. 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

MARCH 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 18 58	6♓45'18	25♊ 7	17♓ 5	1♓ 5	27♈34	16♈ 7	26♉39	19°R13	13°R58	26♐24	10♒17	9♒15	24♌ 1	n.a.	T 1
W 2	10 22 54	7°44'23	7♋18	19° 3	2°19	28°13	16°19	26°42	19♎11	13♌56	26°24	10°19	9°12	24° 8	n.a.	W 2
T 3	10 26 51	8°43'26	19°17	21° 0	3°33	28°51	16°32	26°45	19°10	13°55	26°25	10°21	9° 9	24°15	n.a.	T 3
F 4	10 30 48	9°42'26	1♌ 9	22°55	4°48	29°30	16°45	26°49	19° 8	13°53	26°26	10°22	9° 6	24°21	n.a.	F 4
S 5	10 34 44	10°41'24	12°57	24°47	6° 2	0♉ 9	16°57	26°53	19° 6	13°52	26°27	10°R22	9° 3	24°28	n.a.	S 5
S 6	10 38 41	11°40'20	24°44	26°37	7°16	0°48	17°10	26°56	19° 5	13°51	26°28	10°21	9° 0	24°35	n.a.	S 6
M 7	10 42 37	12°39'13	6♍33	28°23	8°30	1°27	17°23	27° 0	19° 3	13°49	26°28	10°19	8°56	24°41	n.a.	M 7
T 8	10 46 34	13°38'05	18°26	0♈ 5	9°45	2° 5	17°36	27° 4	19° 1	13°48	26°29	10°15	8°53	24°48	n.a.	T 8
W 9	10 50 30	14°36'54	0♎26	1°44	10°59	2°44	17°48	27° 8	18°59	13°46	26°30	10° 9	8°50	24°55	n.a.	W 9
T 10	10 54 27	15°35'41	12°33	3°18	12°13	3°23	18° 1	27°12	18°57	13°45	26°31	10° 3	8°47	25° 1	n.a.	T 10
F 11	10 58 23	16°34'27	24°50	4°48	13°27	4° 2	18°14	27°16	18°55	13°44	26°31	9°56	8°44	25° 8	n.a.	F 11
S 12	11 2 20	17°33'10	7♏18	6°13	14°41	4°40	18°27	27°20	18°53	13°42	26°32	9°50	8°40	25°15	n.a.	S 12
S 13	11 6 16	18°31'52	19°59	7°33	15°56	5°19	18°41	27°25	18°51	13°41	26°32	9°46	8°37	25°21	n.a.	S 13
M14	11 10 13	19°30'32	2♐56	8°48	17°10	5°58	18°54	27°29	18°49	13°40	26°33	9°43	8°34	25°28	n.a.	M14
T 15	11 14 10	20°29'10	16°10	9°57	18°24	6°36	19° 7	27°34	18°47	13°38	26°33	9°D41	8°31	25°34	n.a.	T 15
W16	11 18 6	21°27'46	29°44	11° 1	19°38	7°15	19°20	27°38	18°45	13°37	26°34	9°41	8°28	25°41	n.a.	W16
T 17	11 22 3	22°26'21	13♑39	12° 0	20°52	7°54	19°33	27°43	18°43	13°36	26°34	9°43	8°25	25°48	n.a.	T 17
F 18	11 25 59	23°24'54	27°55	12°53	22° 6	8°32	19°47	27°48	18°40	13°35	26°35	9°44	8°21	25°54	n.a.	F 18
S 19	11 29 56	24°23'25	12♒32	13°39	23°21	9°11	20° 0	27°52	18°38	13°34	26°35	9°R44	8°18	26° 1	n.a.	S 19
S 20	11 33 52	25°21'54	27°25	14°20	24°35	9°49	20°14	27°57	18°36	13°32	26°36	9°43	8°15	26° 8	n.a.	S 20
M21	11 37 49	26°20'22	12♓27	14°55	25°49	10°28	20°27	28° 2	18°34	13°31	26°36	9°40	8°12	26°14	n.a.	M21
T 22	11 41 45	27°18'47	27°31	15°24	27° 3	11° 7	20°41	28° 7	18°31	13°30	26°36	9°34	8° 9	26°21	n.a.	T 22
W23	11 45 42	28°17'11	12♈27	15°47	28°17	11°45	20°54	28°13	18°29	13°29	26°37	9°27	8° 5	26°28	n.a.	W23
T 24	11 49 39	29°15'32	27° 5	16° 4	29°31	12°24	21° 8	28°18	18°27	13°28	26°37	9°19	8° 2	26°34	n.a.	T 24
F 25	11 53 35	0♈13'52	11♉20	16°16	0♈45	13° 2	21°21	28°23	18°24	13°27	26°37	9°12	7°59	26°41	n.a.	F 25
S 26	11 57 32	1°12'10	25° 7	16°R21	1°59	13°41	21°35	28°29	18°22	13°26	26°37	9° 5	7°56	26°48	n.a.	S 26
S 27	12 1 28	2°10'25	8♊26	16°21	3°13	14°19	21°49	28°34	18°20	13°25	26°37	9° 1	7°53	26°54	n.a.	S 27
M28	12 5 25	3° 8'38	21°18	16°15	4°27	14°58	22° 2	28°40	18°17	13°24	26°38	8°58	7°50	27° 1	n.a.	M28
T 29	12 9 21	4° 6'50	3♋47	16° 4	5°41	15°36	22°16	28°45	18°15	13°23	26°38	8°D57	7°46	27° 8	n.a.	T 29
W30	12 13 18	5° 4'59	15°58	15°48	6°55	16°15	22°30	28°51	18°12	13°22	26°38	8°58	7°43	27°14	n.a.	W30
T 31	12 17 14	6♈ 3'06	27♋55	15♈28	8♈ 9	16♉53	22♈43	28♉57	18♎10	13♌21	26♐38	8♒59	7♒40	27♌21	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s 8	27n22	3n44	5s10	0n 0	12s33	1s26	11n18	0n36	5n28	1s 1	18n21	1s19	7s 5	0n35	17n43	0n56	24s56	1s16	17s52	18s 9	12n26		n.a.
W 2	8 46	26 23	2 52	4 12	0 11	12 6	1 26	11 32	0 37	5 33	1 1	18 22	1 19	7 4	0 35	17 44	0 56	24 56	1 16	17 52	18 10	12 23		n.a.
T 3	8 24	24 11	1 53	3 15	0 23	11 39	1 26	11 47	0 37	5 38	1 1	18 23	1 18	7 3	0 35	17 44	0 56	24 56	1 16	17 51	18 11	12 20		n.a.
F 4	8 1	20 58	0 51	2 18	0 35	11 11	1 26	12 1	0 38	5 44	1 0	18 24	1 18	7 3	0 35	17 44	0 56	24 57	1 16	17 51	18 12	12 17		n.a.
S 5	7 39	16 54	0s14	1 23	0 47	10 44	1 25	12 15	0 39	5 49	1 0	18 25	1 18	7 2	0 35	17 45	0 56	24 57	1 16	17 51	18 12	12 14		n.a.
S 6	7 16	12 13	1 18	0 28	0 59	10 16	1 25	12 30	0 39	5 54	1 0	18 27	1 18	7 1	0 35	17 45	0 56	24 57	1 16	17 51	18 13	12 11		n.a.
M 7	6 53	7 4	2 18	0n26	1 11	9 47	1 25	12 44	0 40	5 59	1 0	18 28	1 18	7 0	0 35	17 46	0 56	24 57	1 17	17 52	18 14	12 8		n.a.
T 8	6 31	1 40	3 13	1 18	1 23	9 19	1 25	12 58	0 40	6 4	1 0	18 29	1 17	7 0	0 35	17 46	0 56	24 57	1 17	17 53	18 15	12 5		n.a.
W 9	6 8	3s50	4 0	2 8	1 34	8 50	1 24	13 12	0 41	6 9	1 0	18 30	1 17	6 59	0 35	17 46	0 56	24 57	1 17	17 54	18 16	12 2		n.a.
T 10	5 45	9 15	4 36	2 56	1 46	8 21	1 24	13 26	0 41	6 14	1 0	18 31	1 17	6 58	0 35	17 47	0 56	24 57	1 17	17 56	18 17	11 59		n.a.
F 11	5 22	14 22	5 0	3 43	1 57	7 51	1 23	13 40	0 42	6 19	0 59	18 32	1 17	6 57	0 35	17 47	0 56	24 58	1 17	17 58	18 17	11 56		n.a.
S 12	4 58	18 59	5 10	4 26	2 7	7 22	1 23	13 53	0 42	6 24	0 59	18 33	1 17	6 57	0 35	17 48	0 56	24 58	1 17	18 0	18 18	11 53		n.a.
S 13	4 35	22 51	5 6	5 7	2 17	6 52	1 22	14 7	0 43	6 30	0 59	18 35	1 16	6 56	0 35	17 48	0 56	24 58	1 17	18 1	18 19	11 49		n.a.
M14	4 12	25 39	4 46	5 46	2 26	6 22	1 21	14 20	0 43	6 35	0 59	18 36	1 16	6 55	0 35	17 48	0 56	24 58	1 18	18 2	18 20	11 46		n.a.
T 15	3 49	27 8	4 10	6 21	2 34	5 52	1 21	14 34	0 44	6 40	0 59	18 37	1 16	6 54	0 35	17 49	0 56	24 58	1 18	18 2	18 21	11 43		n.a.
W16	3 25	27 3	3 20	6 53	2 42	5 22	1 20	14 47	0 44	6 45	0 59	18 38	1 16	6 53	0 35	17 49	0 56	24 58	1 18	18 2	18 22	11 40		n.a.
T 17	3 2	25 17	2 17	7 23	2 49	4 52	1 19	15 0	0 44	6 50	0 58	18 40	1 15	6 53	0 35	17 49	0 56	24 58	1 18	18 2	18 23	11 37		n.a.
F 18	2 39	21 52	1 4	7 49	2 55	4 21	1 18	15 13	0 45	6 56	0 58	18 41	1 15	6 52	0 35	17 50	0 56	24 59	1 18	18 1	18 23	11 34		n.a.
S 19	2 15	17 0	0n15	8 12	3 0	3 51	1 17	15 26	0 45	7 1	0 58	18 42	1 15	6 51	0 35	17 50	0 56	24 59	1 18	18 1	18 24	11 31		n.a.
S 20	1 52	11 2	1 34	8 32	3 4	3 20	1 16	15 39	0 46	7 6	0 58	18 43	1 15	6 50	0 35	17 50	0 56	24 59	1 18	18 2	18 25	11 28		n.a.
M21	1 28	4 23	2 47	8 48	3 7	2 49	1 15	15 52	0 46	7 11	0 58	18 45	1 15	6 49	0 35	17 51	0 56	24 59	1 18	18 2	18 26	11 25		n.a.
T 22	1 5	2n30	3 49	9 1	3 8	2 19	1 14	16 5	0 47	7 16	0 58	18 46	1 14	6 48	0 35	17 51	0 56	24 59	1 19	18 4	18 27	11 22		n.a.
W23	0 41	9 10	4 34	9 11	3 9	1 48	1 12	16 17	0 47	7 22	0 58	18 47	1 14	6 47	0 35	17 51	0 56	24 59	1 19	18 6	18 28	11 19		n.a.
T 24	0 18	15 13	5 0	9 17	3 8	1 17	1 11	16 30	0 48	7 27	0 58	18 49	1 14	6 47	0 35	17 52	0 56	24 59	1 19	18 8	18 28	11 16		n.a.
F 25	0n 6	20 16	5 7	9 19	3 6	0 46	1 10	16 42	0 48	7 32	0 57	18 50	1 14	6 46	0 35	17 52	0 55	25 0	1 19	18 10	18 29	11 13		n.a.
S 26	0 29	24 2	4 56	9 18	3 3	0 15	1 8	16 54	0 48	7 37	0 57	18 52	1 14	6 45	0 35	17 52	0 55	25 0	1 19	18 12	18 30	11 10		n.a.
S 27	0 52	26 23	4 28	9 14	2 58	0n16	1 7	17 6	0 49	7 43	0 57	18 53	1 13	6 44	0 35	17 53	0 55	25 0	1 19	18 13	18 31	11 7		n.a.
M28	1 16	27 13	3 48	9 6	2 52	0 47	1 6	17 18	0 49	7 48	0 57	18 54	1 13	6 43	0 35	17 53	0 55	25 0	1 19	18 14	18 32	11 4		n.a.
T 29	1 39	26 38	2 58	8 55	2 45	1 18	1 4	17 30	0 50	7 53	0 57	18 56	1 13	6 42	0 35	17 53	0 55	25 0	1 19	18 14	18 32	11 1		n.a.
W30	2 3	24 45	2 1	8 41	2 36	1 49	1 2	17 41	0 50	7 59	0 57	18 57	1 13	6 41	0 35	17 53	0 55	25 0	1 20	18 14	18 33	10 57		n.a.
T 31	2n26	21n47	0n59	8n24	2n26	2n20	1s 1	17n53	0n50	8n 4	0s57	18n59	1s13	6s40	0n35	17n54	0n55	25s 0	1s20	18s13	18s34	10n54		n.a.

Julian Day Number = 1645875.5, Delta T = 03h33m46s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'28, Lahiri = - 6°48'28 Julian Calendar 1 March 207 BCE == Greg. Calendar 25 Feb. 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

APRIL 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 21 11	7♈ 1'10	9♌45	15°R 3	9♈23	17♉32	22♈57	29♉ 2	18°R 8	13°R20	26°R38	8°R59	7♒37	27♌28	n.a.	F 1
S 2	12 25 7	7°59'13	21°32	14♈35	10°37	18°10	23°11	29° 8	18♎ 5	13♌20	26♐38	8♒58	7°34	27°34	n.a.	S 2
S 3	12 29 4	8°57'14	3♍20	14° 4	11°51	18°49	23°25	29°14	18° 3	13°19	26°38	8°55	7°31	27°41	n.a.	S 3
M 4	12 33 1	9°55'13	15°13	13°30	13° 5	19°27	23°39	29°20	18° 0	13°18	26°38	8°50	7°27	27°48	n.a.	M 4
T 5	12 36 57	10°53'10	27°14	12°54	14°19	20° 5	23°53	29°26	17°58	13°17	26°38	8°42	7°24	27°54	n.a.	T 5
W 6	12 40 54	11°51'06	9♎24	12°17	15°32	20°44	24° 7	29°32	17°55	13°17	26°38	8°32	7°21	28° 1	n.a.	W 6
T 7	12 44 50	12°49'00	21°45	11°40	16°46	21°22	24°20	29°39	17°53	13°16	26°37	8°21	7°18	28° 7	n.a.	T 7
F 8	12 48 47	13°46'52	4♏17	11° 2	18° 0	22° 0	24°34	29°45	17°50	13°15	26°37	8° 9	7°15	28°14	n.a.	F 8
S 9	12 52 43	14°44'42	17° 1	10°26	19°14	22°39	24°48	29°51	17°48	13°15	26°37	7°58	7°11	28°21	n.a.	S 9
S 10	12 56 40	15°42'32	29°57	9°51	20°28	23°17	25° 2	29°57	17°45	13°14	26°37	7°49	7° 8	28°27	n.a.	S 10
M11	13 0 36	16°40'20	13♐ 5	9°17	21°42	23°55	25°16	0♊ 4	17°43	13°13	26°37	7°43	7° 5	28°34	n.a.	M11
T 12	13 4 33	17°38'06	26°26	8°47	22°55	24°34	25°30	0°10	17°40	13°13	26°36	7°39	7° 2	28°41	n.a.	T 12
W13	13 8 30	18°35'52	10♑ 1	8°19	24° 9	25°12	25°44	0°17	17°38	13°12	26°36	7°37	6°59	28°47	n.a.	W13
T 14	13 12 26	19°33'36	23°50	7°54	25°23	25°50	25°58	0°23	17°35	13°12	26°36	7°D37	6°56	28°54	n.a.	T 14
F 15	13 16 23	20°31'19	7♒55	7°34	26°37	26°28	26°12	0°30	17°32	13°12	26°35	7°R37	6°52	29° 1	n.a.	F 15
S 16	13 20 19	21°29'01	22°15	7°17	27°50	27° 7	26°26	0°37	17°30	13°11	26°35	7°36	6°49	29° 7	n.a.	S 16
S 17	13 24 16	22°26'41	6♓47	7° 4	29° 4	27°45	26°40	0°43	17°27	13°11	26°34	7°34	6°46	29°14	n.a.	S 17
M18	13 28 12	23°24'21	21°28	6°56	0♉18	28°23	26°54	0°50	17°25	13°10	26°34	7°29	6°43	29°21	n.a.	M18
T 19	13 32 9	24°21'59	6♈13	6°D53	1°32	29° 1	27° 8	0°57	17°22	13°10	26°34	7°21	6°40	29°27	n.a.	T 19
W20	13 36 5	25°19'36	20°52	6°54	2°45	29°40	27°22	1° 4	17°20	13°10	26°33	7°11	6°36	29°34	n.a.	W20
T 21	13 40 2	26°17'11	5♉20	6°59	3°59	0♊18	27°37	1°11	17°17	13°10	26°33	6°59	6°33	29°41	n.a.	T 21
F 22	13 43 59	27°14'46	19°28	7° 9	5°13	0°56	27°51	1°18	17°15	13° 9	26°32	6°48	6°30	29°47	n.a.	F 22
S 23	13 47 55	28°12'19	3♊13	7°23	6°27	1°34	28° 5	1°25	17°12	13° 9	26°31	6°38	6°27	29°54	n.a.	S 23
S 24	13 51 52	29° 9'51	16°32	7°42	7°40	2°12	28°19	1°32	17°10	13° 9	26°31	6°30	6°24	0♍ 1	n.a.	S 24
M25	13 55 48	0♉ 7'21	29°25	8° 6	8°54	2°51	28°33	1°39	17° 8	13° 9	26°30	6°25	6°21	0° 7	n.a.	M25
T 26	13 59 45	1° 4'50	11♋56	8°33	10° 8	3°29	28°47	1°46	17° 5	13° 9	26°30	6°22	6°17	0°14	n.a.	T 26
W27	14 3 41	2° 2'17	24° 8	9° 5	11°21	4° 7	29° 1	1°53	17° 3	13° 9	26°29	6°21	6°14	0°21	n.a.	W27
T 28	14 7 38	2°59'43	6♌ 7	9°41	12°35	4°45	29°15	2° 1	17° 0	13°D 9	26°28	6°21	6°11	0°27	n.a.	T 28
F 29	14 11 34	3°57'08	17°58	10°20	13°48	5°23	29°29	2° 8	16°58	13° 9	26°27	6°21	6° 8	0°34	n.a.	F 29
S 30	14 15 31	4♉54'31	29♌46	11♈ 4	15♉ 2	6♊ 1	29♈43	2♊15	16♎56	13♌ 9	26♐27	6♒19	6♒ 5	0♍41	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n49	17n57	0s 4	8n 4	2n15	2n51	0s59	18n 4	0n51	8n 9	0s57	19n 0	1s13	6s39	0n35	17n54	0n55	25s 1	1s20	18s13	18s35	10n51		n.a.
S 2	3 12	13 26	1 7	7 42	2 2	3 22	0 57	18 16	0 51	8 14	0 57	19 2	1 12	6 38	0 35	17 54	0 55	25 1	1 20	18 14	18 36	10 48		n.a.
S 3	3 35	8 26	2 7	7 17	1 49	3 53	0 56	18 27	0 52	8 20	0 56	19 3	1 12	6 37	0 35	17 54	0 55	25 1	1 20	18 14	18 37	10 45		n.a.
M 4	3 58	3 7	3 1	6 50	1 35	4 24	0 54	18 38	0 52	8 25	0 56	19 4	1 12	6 36	0 35	17 54	0 55	25 1	1 20	18 16	18 37	10 42		n.a.
T 5	4 21	2s22	3 48	6 22	1 20	4 55	0 52	18 49	0 52	8 30	0 56	19 6	1 12	6 35	0 35	17 55	0 55	25 1	1 20	18 18	18 38	10 39		n.a.
W 6	4 44	7 49	4 25	5 53	1 4	5 25	0 50	18 59	0 53	8 35	0 56	19 7	1 12	6 34	0 35	17 55	0 55	25 1	1 20	18 21	18 39	10 36		n.a.
T 7	5 7	13 3	4 50	5 23	0 47	5 56	0 48	19 10	0 53	8 41	0 56	19 9	1 11	6 33	0 35	17 55	0 55	25 1	1 21	18 23	18 40	10 33		n.a.
F 8	5 30	17 49	5 2	4 53	0 30	6 26	0 46	19 21	0 53	8 46	0 56	19 10	1 11	6 32	0 35	17 55	0 55	25 1	1 21	18 27	18 41	10 30		n.a.
S 9	5 53	21 53	4 59	4 23	0 13	6 56	0 44	19 31	0 54	8 51	0 56	19 12	1 11	6 31	0 35	17 55	0 55	25 2	1 21	18 29	18 42	10 27		n.a.
S 10	6 15	24 57	4 41	3 53	0s 4	7 26	0 42	19 41	0 54	8 56	0 56	19 13	1 11	6 31	0 35	17 56	0 55	25 2	1 21	18 32	18 42	10 24		n.a.
M11	6 38	26 44	4 8	3 25	0 21	7 56	0 40	19 51	0 54	9 2	0 56	19 15	1 11	6 30	0 35	17 56	0 55	25 2	1 21	18 33	18 43	10 20		n.a.
T 12	7 0	27 1	3 20	2 57	0 37	8 26	0 38	20 1	0 55	9 7	0 56	19 17	1 11	6 29	0 35	17 56	0 55	25 2	1 21	18 35	18 44	10 17		n.a.
W13	7 22	25 41	2 21	2 31	0 53	8 55	0 36	20 11	0 55	9 12	0 55	19 18	1 10	6 28	0 35	17 56	0 55	25 2	1 21	18 35	18 45	10 14		n.a.
T 14	7 44	22 47	1 13	2 7	1 9	9 24	0 34	20 20	0 55	9 17	0 55	19 20	1 10	6 27	0 35	17 56	0 55	25 2	1 22	18 35	18 46	10 11		n.a.
F 15	8 6	18 29	0n 2	1 45	1 24	9 54	0 32	20 30	0 56	9 23	0 55	19 21	1 10	6 26	0 35	17 56	0 55	25 2	1 22	18 35	18 46	10 8		n.a.
S 16	8 28	13 3	1 17	1 25	1 39	10 22	0 29	20 39	0 56	9 28	0 55	19 23	1 10	6 25	0 35	17 56	0 55	25 2	1 22	18 35	18 47	10 5		n.a.
S 17	8 50	6 50	2 28	1 8	1 52	10 51	0 27	20 48	0 56	9 33	0 55	19 24	1 10	6 24	0 35	17 56	0 55	25 3	1 22	18 36	18 48	10 2		n.a.
M18	9 12	0 12	3 30	0 53	2 5	11 19	0 25	20 57	0 57	9 38	0 55	19 26	1 10	6 23	0 35	17 56	0 55	25 3	1 22	18 37	18 49	9 59		n.a.
T 19	9 33	6n26	4 18	0 40	2 17	11 48	0 23	21 6	0 57	9 43	0 55	19 27	1 10	6 22	0 35	17 57	0 55	25 3	1 22	18 39	18 50	9 56		n.a.
W20	9 55	12 42	4 49	0 31	2 27	12 15	0 20	21 15	0 57	9 48	0 55	19 29	1 9	6 21	0 35	17 57	0 55	25 3	1 22	18 42	18 50	9 53		n.a.
T 21	10 16	18 10	5 1	0 24	2 37	12 43	0 18	21 23	0 57	9 54	0 55	19 31	1 9	6 20	0 35	17 57	0 55	25 3	1 22	18 45	18 51	9 49		n.a.
F 22	10 37	22 30	4 54	0 20	2 46	13 10	0 16	21 32	0 58	9 59	0 55	19 32	1 9	6 19	0 35	17 57	0 55	25 3	1 23	18 47	18 52	9 46		n.a.
S 23	10 58	25 27	4 30	0 18	2 54	13 37	0 13	21 40	0 58	10 4	0 55	19 34	1 9	6 18	0 35	17 57	0 55	25 3	1 23	18 50	18 53	9 43		n.a.
S 24	11 18	26 52	3 51	0 19	3 1	14 4	0 11	21 48	0 58	10 9	0 55	19 35	1 9	6 17	0 35	17 57	0 55	25 3	1 23	18 52	18 54	9 40		n.a.
M25	11 39	26 46	3 2	0 23	3 7	14 30	0 8	21 56	0 59	10 14	0 54	19 37	1 9	6 16	0 35	17 57	0 55	25 3	1 23	18 53	18 54	9 37		n.a.
T 26	11 59	25 16	2 6	0 30	3 12	14 56	0 6	22 4	0 59	10 19	0 54	19 38	1 9	6 15	0 35	17 57	0 55	25 4	1 23	18 54	18 55	9 34		n.a.
W27	12 19	22 36	1 4	0 38	3 16	15 21	0 4	22 11	0 59	10 24	0 54	19 40	1 8	6 14	0 35	17 57	0 55	25 4	1 23	18 54	18 56	9 31		n.a.
T 28	12 39	18 59	0 1	0 50	3 20	15 47	0 1	22 19	0 59	10 29	0 54	19 42	1 8	6 13	0 35	17 57	0 55	25 4	1 23	18 54	18 57	9 28		n.a.
F 29	12 59	14 39	1s 1	1 3	3 22	16 11	0n 1	22 26	1 0	10 34	0 54	19 43	1 8	6 13	0 35	17 57	0 55	25 4	1 23	18 54	18 58	9 25		n.a.
S 30	13n19	9n48	2s 1	1n19	3s23	16n36	0n 4	22n33	1n 0	10n39	0s54	19n45	1s 8	6s12	0n35	17n57	0n55	25s 4	1s24	18s55	18s58	9n21		n.a.

Julian Day Number = 1645906.5, Delta T = 03h33m45s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'24, Lahiri = - 6°48'23 Julian Calendar 1 Apr. 207 BCE == Greg. Calendar 28 March 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

MAY 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 19 28	5♉51'53	11♍37	11♈51	16♉16	6♊39	29♈57	2♊22	16°R53	13♌ 9	26°R26	6°R16	6♒ 2	0♍47	n.a.	S 1
M 2	14 23 24	6°49'14	23°34	12°42	17°29	7°17	0♉11	2°30	16♎51	13° 9	26♐25	6♒10	5°58	0°54	n.a.	M 2
T 3	14 27 21	7°46'33	5♎42	13°37	18°43	7°56	0°25	2°37	16°49	13° 9	26°24	6° 1	5°55	1° 1	n.a.	T 3
W 4	14 31 17	8°43'52	18° 3	14°35	19°56	8°34	0°39	2°45	16°46	13° 9	26°23	5°50	5°52	1° 7	n.a.	W 4
T 5	14 35 14	9°41'09	0♏39	15°36	21°10	9°12	0°53	2°52	16°44	13° 9	26°23	5°38	5°49	1°14	n.a.	T 5
F 6	14 39 10	10°38'26	13°29	16°41	22°23	9°50	1° 7	2°59	16°42	13°10	26°22	5°25	5°46	1°21	n.a.	F 6
S 7	14 43 7	11°35'41	26°33	17°48	23°37	10°28	1°20	3° 7	16°40	13°10	26°21	5°13	5°42	1°27	n.a.	S 7
S 8	14 47 3	12°32'56	9♐50	18°59	24°50	11° 6	1°34	3°14	16°37	13°10	26°20	5° 3	5°39	1°34	n.a.	S 8
M 9	14 51 0	13°30'11	23°18	20°14	26° 4	11°44	1°48	3°22	16°35	13°11	26°19	4°55	5°36	1°41	n.a.	M 9
T 10	14 54 57	14°27'25	6♑56	21°31	27°17	12°22	2° 2	3°30	16°33	13°11	26°18	4°50	5°33	1°47	n.a.	T 10
W11	14 58 53	15°24'38	20°43	22°51	28°31	13° 0	2°16	3°37	16°31	13°11	26°17	4°48	5°30	1°54	n.a.	W11
T 12	15 2 50	16°21'51	4♒38	24°14	29°44	13°38	2°30	3°45	16°29	13°12	26°16	4°D48	5°27	2° 1	n.a.	T 12
F 13	15 6 46	17°19'04	18°40	25°40	0♊58	14°16	2°43	3°52	16°27	13°12	26°15	4°R48	5°23	2° 7	n.a.	F 13
S 14	15 10 43	18°16'16	2♓50	27°10	2°11	14°54	2°57	4° 0	16°25	13°13	26°14	4°47	5°20	2°14	n.a.	S 14
S 15	15 14 39	19°13'28	17° 6	28°42	3°25	15°32	3°11	4° 8	16°23	13°13	26°13	4°45	5°17	2°20	n.a.	S 15
M16	15 18 36	20°10'40	1♈26	0♉17	4°38	16°10	3°25	4°16	16°21	13°14	26°12	4°40	5°14	2°27	n.a.	M16
T 17	15 22 32	21° 7'51	15°45	1°54	5°52	16°48	3°38	4°23	16°19	13°14	26°11	4°32	5°11	2°34	n.a.	T 17
W18	15 26 29	22° 5'02	29°59	3°35	7° 5	17°26	3°52	4°31	16°17	13°15	26° 9	4°23	5° 8	2°40	n.a.	W18
T 19	15 30 26	23° 2'13	14♉ 5	5°19	8°18	18° 4	4° 6	4°39	16°15	13°16	26° 8	4°12	5° 4	2°47	n.a.	T 19
F 20	15 34 22	23°59'23	27°54	7° 5	9°32	18°42	4°19	4°47	16°13	13°16	26° 7	4° 1	5° 1	2°54	n.a.	F 20
S 21	15 38 19	24°56'33	11♊25	8°54	10°45	19°20	4°33	4°54	16°12	13°17	26° 6	3°51	4°58	3° 0	n.a.	S 21
S 22	15 42 15	25°53'42	24°35	10°45	11°59	19°58	4°46	5° 2	16°10	13°18	26° 5	3°44	4°55	3° 7	n.a.	S 22
M23	15 46 12	26°50'52	7♋23	12°39	13°12	20°36	5° 0	5°10	16° 8	13°19	26° 4	3°38	4°52	3°14	n.a.	M23
T 24	15 50 8	27°48'00	19°52	14°36	14°25	21°14	5°13	5°18	16° 6	13°19	26° 2	3°35	4°48	3°20	n.a.	T 24
W25	15 54 5	28°45'08	2♌ 4	16°35	15°39	21°52	5°27	5°26	16° 5	13°20	26° 1	3°D34	4°45	3°27	n.a.	W25
T 26	15 58 2	29°42'16	14° 3	18°36	16°52	22°30	5°40	5°33	16° 3	13°21	26° 0	3°35	4°42	3°34	n.a.	T 26
F 27	16 1 58	0♊39'23	25°55	20°39	18° 5	23° 8	5°53	5°41	16° 2	13°22	25°59	3°R35	4°39	3°40	n.a.	F 27
S 28	16 5 55	1°36'30	7♍44	22°44	19°19	23°46	6° 7	5°49	16° 0	13°23	25°57	3°35	4°36	3°47	n.a.	S 28
S 29	16 9 51	2°33'36	19°37	24°50	20°32	24°24	6°20	5°57	15°59	13°24	25°56	3°34	4°33	3°54	n.a.	S 29
M30	16 13 48	3°30'42	1♎38	26°58	21°45	25° 2	6°33	6° 5	15°57	13°25	25°55	3°30	4°29	4° 0	n.a.	M30
T 31	16 17 44	4♊27'47	13♎50	29♉ 7	22♊59	25♊40	6♉46	6♊13	15♎56	13♌26	25♐53	3♒24	4♒26	4♍ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n38	4n36	2s55	1n37	3s24	17n 0	0n 6	22n40	1n 0	10n45	0s54	19n46	1s 8	6s11	0n35	17n57	0n55	25s 4	1s24	18s56	18s59	9n18		n.a.
M 2	13 57	0s49	3 42	1 57	3 24	17 23	0 8	22 47	1 0	10 50	0 54	19 48	1 8	6 10	0 35	17 57	0 55	25 4	1 24	18 57	19 0	9 15		n.a.
T 3	14 16	6 16	4 20	2 19	3 23	17 46	0 11	22 53	1 1	10 55	0 54	19 50	1 8	6 9	0 35	17 57	0 55	25 4	1 24	18 59	19 1	9 12		n.a.
W 4	14 35	11 34	4 46	2 44	3 21	18 9	0 13	23 0	1 1	10 59	0 54	19 51	1 7	6 8	0 35	17 56	0 55	25 4	1 24	19 2	19 2	9 9		n.a.
T 5	14 53	16 29	4 59	3 10	3 18	18 31	0 16	23 6	1 1	11 4	0 54	19 53	1 7	6 7	0 35	17 56	0 55	25 4	1 24	19 5	19 2	9 6		n.a.
F 6	15 11	20 47	4 57	3 38	3 15	18 53	0 18	23 12	1 1	11 9	0 54	19 54	1 7	6 6	0 35	17 56	0 55	25 5	1 24	19 8	19 3	9 3		n.a.
S 7	15 29	24 9	4 40	4 7	3 11	19 14	0 21	23 18	1 2	11 14	0 54	19 56	1 7	6 6	0 35	17 56	0 55	25 5	1 24	19 11	19 4	9 0		n.a.
S 8	15 47	26 16	4 7	4 39	3 7	19 34	0 23	23 24	1 2	11 19	0 54	19 57	1 7	6 5	0 35	17 56	0 55	25 5	1 25	19 14	19 5	8 56		n.a.
M 9	16 5	26 53	3 21	5 12	3 1	19 54	0 25	23 29	1 2	11 24	0 54	19 59	1 7	6 4	0 34	17 56	0 55	25 5	1 25	19 16	19 6	8 53		n.a.
T 10	16 22	25 54	2 22	5 46	2 56	20 14	0 28	23 34	1 2	11 29	0 54	20 1	1 7	6 3	0 34	17 56	0 55	25 5	1 25	19 17	19 6	8 50		n.a.
W11	16 39	23 19	1 14	6 22	2 49	20 33	0 30	23 40	1 3	11 34	0 54	20 2	1 7	6 2	0 34	17 56	0 55	25 5	1 25	19 17	19 7	8 47		n.a.
T 12	16 56	19 21	0 1	7 0	2 42	20 52	0 32	23 45	1 3	11 39	0 54	20 4	1 6	6 1	0 34	17 56	0 55	25 5	1 25	19 18	19 8	8 44		n.a.
F 13	17 12	14 15	1n13	7 39	2 35	21 10	0 35	23 49	1 3	11 43	0 54	20 5	1 6	6 1	0 34	17 55	0 55	25 5	1 25	19 17	19 9	8 41		n.a.
S 14	17 28	8 22	2 23	8 18	2 26	21 27	0 37	23 54	1 3	11 48	0 53	20 7	1 6	6 0	0 34	17 55	0 55	25 5	1 25	19 18	19 9	8 38		n.a.
S 15	17 44	2 1	3 24	8 59	2 18	21 44	0 39	23 59	1 3	11 53	0 53	20 8	1 6	5 59	0 34	17 55	0 55	25 5	1 25	19 18	19 10	8 35		n.a.
M16	18 0	4n26	4 13	9 42	2 9	22 0	0 42	24 3	1 4	11 58	0 53	20 10	1 6	5 58	0 34	17 55	0 55	25 5	1 26	19 19	19 11	8 31		n.a.
T 17	18 15	10 39	4 46	10 25	1 59	22 15	0 44	24 7	1 4	12 2	0 53	20 11	1 6	5 58	0 34	17 55	0 55	25 6	1 26	19 21	19 12	8 28		n.a.
W18	18 30	16 17	5 1	11 9	1 50	22 30	0 46	24 11	1 4	12 7	0 53	20 13	1 6	5 57	0 34	17 55	0 55	25 6	1 26	19 23	19 13	8 25		n.a.
T 19	18 45	20 58	4 57	11 53	1 39	22 45	0 48	24 15	1 4	12 12	0 53	20 14	1 6	5 56	0 34	17 54	0 55	25 6	1 26	19 26	19 13	8 22		n.a.
F 20	18 59	24 25	4 36	12 38	1 29	22 58	0 51	24 18	1 4	12 17	0 53	20 16	1 6	5 56	0 34	17 54	0 55	25 6	1 26	19 29	19 14	8 19		n.a.
S 21	19 14	26 23	4 0	13 24	1 18	23 11	0 53	24 22	1 5	12 21	0 53	20 18	1 6	5 55	0 34	17 54	0 54	25 6	1 26	19 31	19 15	8 16		n.a.
S 22	19 27	26 48	3 12	14 10	1 7	23 24	0 55	24 25	1 5	12 26	0 53	20 19	1 5	5 54	0 34	17 54	0 54	25 6	1 26	19 33	19 16	8 13		n.a.
M23	19 41	25 45	2 15	14 56	0 56	23 35	0 57	24 28	1 5	12 30	0 53	20 21	1 5	5 54	0 34	17 53	0 54	25 6	1 26	19 34	19 16	8 9		n.a.
T 24	19 54	23 26	1 12	15 42	0 45	23 46	0 59	24 31	1 5	12 35	0 53	20 22	1 5	5 53	0 34	17 53	0 54	25 6	1 26	19 35	19 17	8 6		n.a.
W25	20 7	20 4	0 8	16 27	0 33	23 57	1 1	24 33	1 5	12 39	0 53	20 24	1 5	5 52	0 34	17 53	0 54	25 6	1 27	19 35	19 18	8 3		n.a.
T 26	20 20	15 55	0s56	17 13	0 22	24 6	1 3	24 36	1 5	12 44	0 53	20 25	1 5	5 52	0 34	17 53	0 54	25 6	1 27	19 35	19 19	8 0		n.a.
F 27	20 32	11 12	1 56	17 57	0 11	24 15	1 5	24 38	1 6	12 48	0 53	20 27	1 5	5 51	0 34	17 52	0 54	25 6	1 27	19 35	19 20	7 57		n.a.
S 28	20 44	6 6	2 52	18 41	0n 0	24 24	1 7	24 40	1 6	12 53	0 53	20 28	1 5	5 51	0 34	17 52	0 54	25 6	1 27	19 35	19 20	7 54		n.a.
S 29	20 55	0 47	3 40	19 23	0 11	24 31	1 8	24 42	1 6	12 57	0 53	20 29	1 5	5 50	0 34	17 52	0 54	25 6	1 27	19 35	19 21	7 51		n.a.
M30	21 6	4s37	4 20	20 4	0 22	24 38	1 10	24 44	1 6	13 2	0 53	20 31	1 5	5 50	0 34	17 51	0 54	25 7	1 27	19 36	19 22	7 47		n.a.
T 31	21n17	9s56	4s48	20n43	0n32	24n44	1n12	24n45	1n 6	13n 6	0s53	20n32	1s 5	5s49	0n34	17n51	0n54	25s 7	1s27	19s37	19s23	7n44		n.a.

Julian Day Number = 1645936.5, Delta T = 03h33m44s
Ecliptic obliquity = 23°43'19, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'20, Lahiri = - 6°48'19 Julian Calendar 1 May 207 BCE == Greg. Calendar 27 Apr. 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

JUNE 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 21 41	5♊24'52	26♎19	1♊17	24♊12	26♊18	6♉59	6♊21	15°R54	13♑27	25°R52	3°R16	4♒23	4♍14	n.a.	W 1
T 2	16 25 37	6°21'58	9♏ 6	3°27	25°25	26°56	7°12	6°28	15♎53	13°28	25♐51	3♒ 7	4°20	4°20	n.a.	T 2
F 3	16 29 34	7°19'03	22°11	5°37	26°38	27°34	7°26	6°36	15°52	13°29	25°49	2°58	4°17	4°27	n.a.	F 3
S 4	16 33 31	8°16'08	5♐35	7°47	27°52	28°11	7°38	6°44	15°51	13°30	25°48	2°49	4°14	4°34	n.a.	S 4
S 5	16 37 27	9°13'13	19°14	9°57	29° 5	28°49	7°51	6°52	15°50	13°31	25°47	2°41	4°10	4°40	n.a.	S 5
M 6	16 41 24	10°10'19	3♑ 6	12° 7	0♋18	29°27	8° 4	7° 0	15°48	13°33	25°45	2°36	4° 7	4°47	n.a.	M 6
T 7	16 45 20	11° 7'25	17° 9	14°15	1°31	0♋ 5	8°17	7° 8	15°47	13°34	25°44	2°33	4° 4	4°54	n.a.	T 7
W 8	16 49 17	12° 4'31	1♒17	16°23	2°44	0°43	8°30	7°16	15°46	13°35	25°43	2°D32	4° 1	5° 0	n.a.	W 8
T 9	16 53 13	13° 1'38	15°28	18°29	3°58	1°21	8°43	7°24	15°45	13°36	25°41	2°32	3°58	5° 7	n.a.	T 9
F 10	16 57 10	13°58'45	29°40	20°34	5°11	1°59	8°55	7°31	15°44	13°38	25°40	2°33	3°54	5°14	n.a.	F 10
S 11	17 1 6	14°55'53	13♓51	22°38	6°24	2°37	9° 8	7°39	15°43	13°39	25°38	2°R34	3°51	5°20	n.a.	S 11
S 12	17 5 3	15°53'01	27°59	24°40	7°37	3°15	9°20	7°47	15°43	13°40	25°37	2°33	3°48	5°27	n.a.	S 12
M13	17 9 0	16°50'10	12♈ 4	26°40	8°50	3°53	9°33	7°55	15°42	13°42	25°36	2°31	3°45	5°34	n.a.	M13
T 14	17 12 56	17°47'20	26° 1	28°39	10° 3	4°31	9°45	8° 3	15°41	13°43	25°34	2°27	3°42	5°40	n.a.	T 14
W15	17 16 53	18°44'30	9♉51	0♋36	11°16	5° 9	9°58	8°10	15°40	13°45	25°33	2°21	3°39	5°47	n.a.	W15
T 16	17 20 49	19°41'41	23°29	2°31	12°29	5°47	10°10	8°18	15°40	13°46	25°31	2°14	3°35	5°54	n.a.	T 16
F 17	17 24 46	20°38'53	6♊54	4°25	13°42	6°25	10°22	8°26	15°39	13°48	25°30	2° 7	3°32	6° 0	n.a.	F 17
S 18	17 28 42	21°36'06	20° 4	6°17	14°56	7° 3	10°34	8°34	15°39	13°49	25°28	2° 1	3°29	6° 7	n.a.	S 18
S 19	17 32 39	22°33'19	2♋57	8° 7	16° 9	7°41	10°46	8°41	15°38	13°51	25°27	1°56	3°26	6°14	n.a.	S 19
M20	17 36 36	23°30'32	15°34	9°55	17°22	8°19	10°58	8°49	15°38	13°52	25°25	1°53	3°23	6°20	n.a.	M20
T 21	17 40 32	24°27'47	27°55	11°41	18°35	8°57	11°10	8°57	15°37	13°54	25°24	1°D52	3°20	6°27	n.a.	T 21
W22	17 44 29	25°25'01	10♌ 2	13°25	19°48	9°35	11°22	9° 5	15°37	13°55	25°23	1°52	3°16	6°34	n.a.	W22
T 23	17 48 25	26°22'16	22° 0	15° 8	21° 1	10°13	11°34	9°12	15°37	13°57	25°21	1°53	3°13	6°40	n.a.	T 23
F 24	17 52 22	27°19'32	3♍51	16°49	22°14	10°51	11°46	9°20	15°36	13°59	25°20	1°55	3°10	6°47	n.a.	F 24
S 25	17 56 18	28°16'48	15°40	18°28	23°27	11°29	11°57	9°27	15°36	14° 0	25°18	1°57	3° 7	6°54	n.a.	S 25
S 26	18 0 15	29°14'04	27°33	20° 6	24°40	12° 7	12° 9	9°35	15°36	14° 2	25°17	1°R57	3° 4	7° 0	n.a.	S 26
M27	18 4 11	0♋11'22	9♎34	21°41	25°52	12°45	12°20	9°43	15°36	14° 4	25°15	1°57	3° 0	7° 7	n.a.	M27
T 28	18 8 8	1° 8'39	21°48	23°15	27° 5	13°23	12°32	9°50	15°D36	14° 5	25°14	1°55	2°57	7°14	n.a.	T 28
W29	18 12 5	2° 5'58	4♏19	24°47	28°18	14° 1	12°43	9°58	15°36	14° 7	25°13	1°52	2°54	7°20	n.a.	W29
T 30	18 16 1	3♋ 3'17	17♏10	26♋17	29♋31	14♋39	12♉54	10♊ 5	15♎36	14♌ 9	25♐11	1♒48	2♒51	7♍27	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n27	14s58	5s 3	21n20	0n42	24n49	1n14	24n46	1n 6	13n10	0s53	20n34	1s 5	5s49	0n34	17n51	0n54	25s 7	1s27	19s39	19s23	7n41		n.a.
T 2	21 38	19 29	5 3	21 56	0 51	24 54	1 15	24 48	1 6	13 15	0 53	20 35	1 4	5 48	0 34	17 50	0 54	25 7	1 27	19 41	19 24	7 38		n.a.
F 3	21 47	23 10	4 48	22 29	1 0	24 58	1 17	24 49	1 7	13 19	0 53	20 37	1 4	5 48	0 34	17 50	0 54	25 7	1 28	19 44	19 25	7 35		n.a.
S 4	21 57	25 42	4 17	22 59	1 8	25 1	1 19	24 49	1 7	13 23	0 53	20 38	1 4	5 47	0 34	17 50	0 54	25 7	1 28	19 46	19 26	7 32		n.a.
S 5	22 6	26 47	3 31	23 27	1 16	25 3	1 20	24 50	1 7	13 27	0 53	20 39	1 4	5 47	0 34	17 49	0 54	25 7	1 28	19 47	19 26	7 29		n.a.
M 6	22 14	26 12	2 31	23 52	1 23	25 5	1 21	24 50	1 7	13 32	0 53	20 41	1 4	5 46	0 34	17 49	0 54	25 7	1 28	19 49	19 27	7 25		n.a.
T 7	22 22	23 58	1 22	24 15	1 29	25 6	1 23	24 50	1 7	13 36	0 53	20 42	1 4	5 46	0 34	17 49	0 54	25 7	1 28	19 49	19 28	7 22		n.a.
W 8	22 30	20 13	0 7	24 35	1 34	25 6	1 24	24 50	1 7	13 40	0 53	20 44	1 4	5 46	0 34	17 48	0 54	25 7	1 28	19 50	19 29	7 19		n.a.
T 9	22 38	15 17	1n 9	24 52	1 39	25 5	1 25	24 50	1 7	13 44	0 53	20 45	1 4	5 45	0 34	17 48	0 54	25 7	1 28	19 49	19 29	7 16		n.a.
F 10	22 45	9 31	2 21	25 6	1 43	25 4	1 27	24 50	1 8	13 48	0 53	20 46	1 4	5 45	0 34	17 48	0 54	25 7	1 28	19 49	19 30	7 13		n.a.
S 11	22 52	3 17	3 24	25 17	1 47	25 2	1 28	24 49	1 8	13 52	0 53	20 48	1 4	5 45	0 34	17 47	0 54	25 7	1 28	19 49	19 31	7 10		n.a.
S 12	22 58	3n 5	4 15	25 26	1 49	24 59	1 29	24 49	1 8	13 56	0 53	20 49	1 4	5 44	0 34	17 47	0 54	25 7	1 28	19 49	19 32	7 6		n.a.
M13	23 4	9 15	4 49	25 32	1 52	24 55	1 30	24 48	1 8	14 0	0 53	20 50	1 4	5 44	0 33	17 46	0 54	25 7	1 29	19 50	19 33	7 3		n.a.
T 14	23 9	14 55	5 7	25 36	1 53	24 51	1 31	24 47	1 8	14 4	0 53	20 52	1 4	5 44	0 33	17 46	0 54	25 7	1 29	19 51	19 33	7 0		n.a.
W15	23 14	19 46	5 6	25 37	1 53	24 46	1 32	24 45	1 8	14 8	0 53	20 53	1 4	5 44	0 33	17 45	0 54	25 7	1 29	19 52	19 34	6 57		n.a.
T 16	23 19	23 30	4 48	25 35	1 53	24 40	1 33	24 44	1 8	14 12	0 53	20 54	1 3	5 43	0 33	17 45	0 54	25 8	1 29	19 54	19 35	6 54		n.a.
F 17	23 23	25 53	4 14	25 32	1 53	24 33	1 34	24 42	1 8	14 16	0 53	20 56	1 3	5 43	0 33	17 45	0 54	25 8	1 29	19 55	19 36	6 51		n.a.
S 18	23 27	26 47	3 27	25 26	1 52	24 26	1 34	24 40	1 8	14 20	0 53	20 57	1 3	5 43	0 33	17 44	0 54	25 8	1 29	19 57	19 36	6 48		n.a.
S 19	23 31	26 12	2 31	25 18	1 50	24 18	1 35	24 38	1 8	14 23	0 53	20 58	1 3	5 43	0 33	17 44	0 54	25 8	1 29	19 58	19 37	6 44		n.a.
M20	23 34	24 15	1 28	25 8	1 47	24 9	1 35	24 36	1 9	14 27	0 53	20 59	1 3	5 43	0 33	17 43	0 54	25 8	1 29	19 58	19 38	6 41		n.a.
T 21	23 36	21 11	0 22	24 56	1 44	24 0	1 36	24 33	1 9	14 31	0 53	21 1	1 3	5 43	0 33	17 43	0 54	25 8	1 29	19 59	19 39	6 38		n.a.
W22	23 38	17 14	0s44	24 43	1 41	23 50	1 36	24 31	1 9	14 35	0 53	21 2	1 3	5 42	0 33	17 42	0 54	25 8	1 29	19 59	19 39	6 35		n.a.
T 23	23 40	12 39	1 48	24 27	1 37	23 39	1 37	24 28	1 9	14 38	0 53	21 3	1 3	5 42	0 33	17 42	0 54	25 8	1 30	19 58	19 40	6 32		n.a.
F 24	23 42	7 38	2 46	24 11	1 33	23 27	1 37	24 25	1 9	14 42	0 53	21 4	1 3	5 42	0 33	17 41	0 54	25 8	1 30	19 58	19 41	6 29		n.a.
S 25	23 43	2 23	3 37	23 53	1 28	23 15	1 37	24 22	1 9	14 46	0 53	21 6	1 3	5 42	0 33	17 41	0 54	25 8	1 30	19 58	19 41	6 25		n.a.
S 26	23 43	2s58	4 19	23 33	1 22	23 2	1 37	24 18	1 9	14 49	0 53	21 7	1 3	5 42	0 33	17 40	0 54	25 8	1 30	19 57	19 42	6 22		n.a.
M27	23 43	8 16	4 50	23 12	1 16	22 49	1 37	24 15	1 9	14 53	0 53	21 8	1 3	5 42	0 33	17 40	0 54	25 8	1 30	19 58	19 43	6 19		n.a.
T 28	23 43	13 21	5 8	22 51	1 10	22 35	1 37	24 11	1 9	14 56	0 53	21 9	1 3	5 42	0 33	17 39	0 54	25 8	1 30	19 58	19 44	6 16		n.a.
W29	23 42	18 0	5 13	22 28	1 3	22 20	1 37	24 7	1 9	14 59	0 53	21 10	1 3	5 42	0 33	17 39	0 54	25 8	1 30	19 59	19 44	6 13		n.a.
T 30	23n41	21s59	5s 2	22n 4	0n56	22n 4	1n37	24n 3	1n 9	15n 3	0s53	21n11	1s 3	5s42	0n33	17n38	0n54	25s 8	1s30	20s 0	19s45	6n10		n.a.

Julian Day Number = 1645967.5, Delta T = 03h33m43s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'15, Lahiri = - 6°48'15 Julian Calendar 1 June 207 BCE == Greg. Calendar 28 May 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

JULY 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 19 58	4♋ 0'37	0♐24	27♋45	0♌44	15♋17	13♉ 5	10♊12	15♎36	14♌11	25°R10	1°R44	2♒48	7♍34	n.a.	F 1
S 2	18 23 54	4°57'58	14° 0	29°12	1°57	15°55	13°16	10°20	15°36	14°12	25♐ 8	1♒40	2°45	7°41	n.a.	S 2
S 3	18 27 51	5°55'19	27°57	0♌36	3° 9	16°33	13°27	10°27	15°36	14°14	25° 7	1°37	2°41	7°47	n.a.	S 3
M 4	18 31 47	6°52'42	12♑12	1°59	4°22	17°11	13°38	10°35	15°37	14°16	25° 5	1°34	2°38	7°54	n.a.	M 4
T 5	18 35 44	7°50'06	26°39	3°20	5°35	17°49	13°49	10°42	15°37	14°18	25° 4	1°D33	2°35	8° 1	n.a.	T 5
W 6	18 39 40	8°47'31	11♒13	4°39	6°48	18°27	13°59	10°49	15°37	14°20	25° 3	1°34	2°32	8° 7	n.a.	W 6
T 7	18 43 37	9°44'57	25°49	5°55	8° 0	19° 5	14°10	10°57	15°38	14°22	25° 1	1°35	2°29	8°14	n.a.	T 7
F 8	18 47 34	10°42'25	10♓20	7°10	9°13	19°43	14°21	11° 4	15°38	14°24	25° 0	1°36	2°26	8°21	n.a.	F 8
S 9	18 51 30	11°39'54	24°43	8°23	10°26	20°22	14°31	11°11	15°39	14°26	24°58	1°37	2°22	8°27	n.a.	S 9
S 10	18 55 27	12°37'25	8♈54	9°33	11°38	21° 0	14°41	11°18	15°39	14°27	24°57	1°R38	2°19	8°34	n.a.	S 10
M11	18 59 23	13°34'57	22°53	10°41	12°51	21°38	14°51	11°25	15°40	14°29	24°56	1°38	2°16	8°41	n.a.	M11
T 12	19 3 20	14°32'30	6♉38	11°47	14° 4	22°16	15° 1	11°32	15°41	14°31	24°54	1°37	2°13	8°47	n.a.	T 12
W13	19 7 16	15°30'06	20° 8	12°50	15°16	22°54	15°11	11°39	15°41	14°33	24°53	1°35	2°10	8°54	n.a.	W13
T 14	19 11 13	16°27'43	3♊23	13°51	16°29	23°32	15°21	11°46	15°42	14°35	24°52	1°33	2° 6	9° 1	n.a.	T 14
F 15	19 15 9	17°25'21	16°24	14°49	17°41	24°10	15°31	11°53	15°43	14°37	24°50	1°31	2° 3	9° 7	n.a.	F 15
S 16	19 19 6	18°23'01	29°12	15°44	18°54	24°49	15°41	12° 0	15°44	14°39	24°49	1°29	2° 0	9°14	n.a.	S 16
S 17	19 23 3	19°20'43	11♋45	16°36	20° 6	25°27	15°50	12° 7	15°45	14°42	24°48	1°28	1°57	9°21	n.a.	S 17
M18	19 26 59	20°18'26	24° 7	17°25	21°19	26° 5	16° 0	12°14	15°46	14°44	24°47	1°27	1°54	9°27	n.a.	M18
T 19	19 30 56	21°16'11	6♌17	18°10	22°31	26°43	16° 9	12°20	15°47	14°46	24°45	1°D27	1°51	9°34	n.a.	T 19
W20	19 34 52	22°13'56	18°18	18°52	23°43	27°21	16°18	12°27	15°48	14°48	24°44	1°28	1°47	9°41	n.a.	W20
T 21	19 38 49	23°11'44	0♍12	19°31	24°56	28° 0	16°27	12°34	15°49	14°50	24°43	1°28	1°44	9°47	n.a.	T 21
F 22	19 42 45	24° 9'32	12° 1	20° 5	26° 8	28°38	16°36	12°40	15°50	14°52	24°42	1°29	1°41	9°54	n.a.	F 22
S 23	19 46 42	25° 7'22	23°50	20°36	27°20	29°16	16°45	12°47	15°52	14°54	24°40	1°30	1°38	10° 1	n.a.	S 23
S 24	19 50 39	26° 5'13	5♎43	21° 1	28°33	29°54	16°53	12°53	15°53	14°56	24°39	1°30	1°35	10° 7	n.a.	S 24
M25	19 54 35	27° 3'06	17°42	21°23	29°45	0♌33	17° 2	13° 0	15°54	14°58	24°38	1°31	1°32	10°14	n.a.	M25
T 26	19 58 32	28° 1'00	29°54	21°39	0♍57	1°11	17°10	13° 6	15°56	15° 0	24°37	1°R31	1°28	10°21	n.a.	T 26
W27	20 2 28	28°58'55	12♏23	21°50	2° 9	1°49	17°19	13°12	15°57	15° 3	24°36	1°31	1°25	10°27	n.a.	W27
T 28	20 6 25	29°56'52	25°12	21°R56	3°21	2°27	17°27	13°19	15°59	15° 5	24°35	1°31	1°22	10°34	n.a.	T 28
F 29	20 10 21	0♌54'51	8♐25	21°56	4°34	3° 6	17°35	13°25	16° 0	15° 7	24°34	1°30	1°19	10°41	n.a.	F 29
S 30	20 14 18	1°52'51	22° 3	21°50	5°46	3°44	17°43	13°31	16° 2	15° 9	24°32	1°D30	1°16	10°47	n.a.	S 30
S 31	20 18 14	2♌50'52	6♑ 7	21♌38	6♍58	4♌22	17♉51	13♊37	16♎ 3	15♌11	24♐31	1♒30	1♒12	10♍54	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n40	24s57	4s35	21n39	0n49	21n48	1n37	23n59	1n 9	15n 6	0s53	21n13	1s 3	5s42	0n33	17n38	0n54	25s 8	1s30	20s 0	19s46	6n 6		n.a.
S 2	23 38	26 35	3 52	21 14	0 41	21 32	1 37	23 54	1 9	15 10	0 53	21 14	1 3	5 42	0 33	17 37	0 54	25 8	1 30	20 1	19 47	6 3		n.a.
S 3	23 35	26 37	2 54	20 48	0 33	21 14	1 36	23 50	1 9	15 13	0 53	21 15	1 3	5 43	0 33	17 37	0 54	25 8	1 30	20 2	19 47	6 0		n.a.
M 4	23 32	24 53	1 45	20 21	0 25	20 57	1 36	23 45	1 9	15 16	0 53	21 16	1 3	5 43	0 33	17 36	0 54	25 8	1 31	20 3	19 48	5 57		n.a.
T 5	23 29	21 31	0 27	19 54	0 16	20 38	1 35	23 40	1 10	15 19	0 53	21 17	1 3	5 43	0 33	17 36	0 54	25 8	1 31	20 3	19 49	5 54		n.a.
W 6	23 26	16 46	0n53	19 26	0 7	20 19	1 35	23 35	1 10	15 22	0 54	21 18	1 3	5 43	0 33	17 35	0 54	25 8	1 31	20 3	19 50	5 51		n.a.
T 7	23 22	11 2	2 10	18 59	0s 2	20 0	1 34	23 30	1 10	15 26	0 54	21 19	1 2	5 43	0 33	17 34	0 54	25 8	1 31	20 3	19 50	5 47		n.a.
F 8	23 17	4 44	3 18	18 30	0 12	19 39	1 33	23 24	1 10	15 29	0 54	21 20	1 2	5 44	0 33	17 34	0 54	25 8	1 31	20 2	19 51	5 44		n.a.
S 9	23 12	1n44	4 13	18 2	0 22	19 19	1 32	23 18	1 10	15 32	0 54	21 21	1 2	5 44	0 33	17 33	0 54	25 8	1 31	20 2	19 52	5 41		n.a.
S 10	23 7	8 1	4 51	17 34	0 32	18 58	1 31	23 12	1 10	15 35	0 54	21 22	1 2	5 44	0 33	17 33	0 54	25 8	1 31	20 2	19 52	5 38		n.a.
M11	23 1	13 49	5 12	17 6	0 42	18 36	1 30	23 6	1 10	15 38	0 54	21 23	1 2	5 44	0 32	17 32	0 54	25 8	1 31	20 2	19 53	5 35		n.a.
T 12	22 55	18 49	5 14	16 37	0 52	18 14	1 29	23 0	1 10	15 41	0 54	21 24	1 2	5 45	0 32	17 31	0 54	25 8	1 31	20 2	19 54	5 32		n.a.
W13	22 49	22 47	4 59	16 9	1 3	17 51	1 28	22 54	1 10	15 44	0 54	21 25	1 2	5 45	0 32	17 31	0 54	25 8	1 31	20 3	19 55	5 28		n.a.
T 14	22 42	25 28	4 28	15 42	1 14	17 28	1 27	22 47	1 10	15 46	0 54	21 26	1 2	5 45	0 32	17 30	0 54	25 8	1 31	20 3	19 55	5 25		n.a.
F 15	22 34	26 44	3 44	15 14	1 24	17 4	1 26	22 41	1 10	15 49	0 54	21 27	1 2	5 46	0 32	17 30	0 54	25 8	1 31	20 3	19 56	5 22		n.a.
S 16	22 27	26 32	2 49	14 48	1 35	16 40	1 24	22 34	1 10	15 52	0 54	21 28	1 2	5 46	0 32	17 29	0 54	25 8	1 31	20 4	19 57	5 19		n.a.
S 17	22 18	24 58	1 47	14 21	1 46	16 16	1 23	22 27	1 10	15 55	0 54	21 29	1 2	5 46	0 32	17 28	0 54	25 9	1 32	20 4	19 58	5 16		n.a.
M18	22 10	22 12	0 41	13 56	1 58	15 51	1 21	22 19	1 10	15 57	0 54	21 30	1 2	5 47	0 32	17 28	0 54	25 9	1 32	20 4	19 58	5 13		n.a.
T 19	22 1	18 29	0s27	13 31	2 9	15 25	1 20	22 12	1 10	16 0	0 54	21 31	1 2	5 47	0 32	17 27	0 54	25 9	1 32	20 4	19 59	5 9		n.a.
W20	21 52	14 4	1 32	13 8	2 20	15 0	1 18	22 5	1 10	16 3	0 54	21 32	1 2	5 48	0 32	17 27	0 54	25 9	1 32	20 4	20 0	5 6		n.a.
T 21	21 42	9 9	2 33	12 45	2 31	14 34	1 16	21 57	1 10	16 5	0 54	21 33	1 2	5 48	0 32	17 26	0 54	25 9	1 32	20 4	20 0	5 3		n.a.
F 22	21 32	3 57	3 27	12 24	2 42	14 7	1 14	21 49	1 10	16 8	0 54	21 33	1 2	5 49	0 32	17 25	0 54	25 9	1 32	20 4	20 1	5 0		n.a.
S 23	21 22	1s22	4 12	12 4	2 53	13 40	1 13	21 41	1 10	16 10	0 54	21 34	1 2	5 49	0 32	17 25	0 54	25 9	1 32	20 4	20 2	4 57		n.a.
S 24	21 11	6 40	4 46	11 46	3 4	13 13	1 11	21 33	1 10	16 13	0 54	21 35	1 2	5 50	0 32	17 24	0 54	25 9	1 32	20 4	20 3	4 54		n.a.
M25	21 0	11 46	5 8	11 29	3 14	12 46	1 8	21 24	1 10	16 15	0 54	21 36	1 2	5 50	0 32	17 23	0 54	25 9	1 32	20 3	20 3	4 50		n.a.
T 26	20 48	16 30	5 17	11 14	3 24	12 18	1 6	21 16	1 10	16 17	0 54	21 37	1 2	5 51	0 32	17 23	0 54	25 9	1 32	20 3	20 4	4 47		n.a.
W27	20 36	20 40	5 12	11 2	3 34	11 50	1 4	21 7	1 10	16 20	0 55	21 38	1 2	5 51	0 32	17 22	0 54	25 9	1 32	20 3	20 5	4 44		n.a.
T 28	20 24	23 59	4 51	10 51	3 43	11 21	1 2	20 58	1 10	16 22	0 55	21 38	1 2	5 52	0 32	17 22	0 54	25 9	1 32	20 4	20 5	4 41		n.a.
F 29	20 11	26 9	4 14	10 43	3 51	10 52	1 0	20 50	1 10	16 24	0 55	21 39	1 2	5 53	0 32	17 21	0 54	25 9	1 32	20 4	20 6	4 38		n.a.
S 30	19 58	26 50	3 22	10 38	3 59	10 23	0 57	20 40	1 10	16 26	0 55	21 40	1 2	5 53	0 32	17 20	0 54	25 9	1 32	20 4	20 7	4 35		n.a.
S 31	19n45	25s51	2s16	10n35	4s 6	9n54	0n55	20n31	1n10	16n29	0s55	21n41	1s 2	5s54	0n32	17n20	0n54	25s 9	1s32	20s 4	20s 8	4n31		n.a.

Julian Day Number = 1645997.5, Delta T = 03h33m42s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'11, Lahiri = - 6°48'11 Julian Calendar 1 July 207 BCE == Greg. Calendar 27 June 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

AUGUST 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 22 11	3♌48'55	20♉35	21°R20	8♍10	5♌ 1	17♉58	13♊43	16♎ 5	15♌14	24°R30	1♒31	1♒ 9	11♍ 1	n.a.	M 1
T 2	20 26 8	4°47'00	5♒20	20♌55	9°22	5°39	18° 6	13°49	16° 7	15°16	24♐29	1°R31	1° 6	11° 7	n.a.	T 2
W 3	20 30 4	5°45'06	20°17	20°25	10°33	6°18	18°13	13°55	16° 9	15°18	24°28	1°30	1° 3	11°14	n.a.	W 3
T 4	20 34 1	6°43'15	5♓16	19°48	11°45	6°56	18°20	14° 1	16°10	15°20	24°27	1°30	1° 0	11°21	n.a.	T 4
F 5	20 37 57	7°41'25	20°11	19° 6	12°57	7°34	18°27	14° 6	16°12	15°22	24°26	1°29	0°57	11°27	n.a.	F 5
S 6	20 41 54	8°39'37	4♈54	18°19	14° 9	8°13	18°34	14°12	16°14	15°25	24°25	1°29	0°53	11°34	n.a.	S 6
S 7	20 45 50	9°37'52	19°18	17°27	15°21	8°51	18°41	14°18	16°16	15°27	24°25	1°28	0°50	11°41	n.a.	S 7
M 8	20 49 47	10°36'08	3♉22	16°32	16°32	9°30	18°47	14°23	16°18	15°29	24°24	1°28	0°47	11°48	n.a.	M 8
T 9	20 53 43	11°34'27	17° 3	15°33	17°44	10° 8	18°54	14°29	16°20	15°31	24°23	1°D28	0°44	11°54	n.a.	T 9
W10	20 57 40	12°32'49	0♊24	14°33	18°56	10°47	19° 0	14°34	16°22	15°33	24°22	1°28	0°41	12° 1	n.a.	W10
T 11	21 1 36	13°31'12	13°24	13°33	20° 7	11°25	19° 6	14°39	16°25	15°36	24°21	1°29	0°38	12° 8	n.a.	T 11
F 12	21 5 33	14°29'38	26° 8	12°34	21°19	12° 4	19°12	14°45	16°27	15°38	24°20	1°30	0°34	12°14	n.a.	F 12
S 13	21 9 30	15°28'06	8♋37	11°37	22°30	12°42	19°18	14°50	16°29	15°40	24°19	1°31	0°31	12°21	n.a.	S 13
S 14	21 13 26	16°26'36	20°54	10°44	23°42	13°21	19°24	14°55	16°31	15°42	24°19	1°32	0°28	12°28	n.a.	S 14
M15	21 17 23	17°25'08	3♌ 1	9°56	24°53	14° 0	19°29	15° 0	16°34	15°45	24°18	1°R32	0°25	12°34	n.a.	M15
T 16	21 21 19	18°23'42	15° 1	9°14	26° 4	14°38	19°34	15° 5	16°36	15°47	24°17	1°32	0°22	12°41	n.a.	T 16
W17	21 25 16	19°22'18	26°55	8°40	27°16	15°17	19°40	15°10	16°38	15°49	24°17	1°30	0°18	12°48	n.a.	W17
T 18	21 29 12	20°20'56	8♍45	8°14	28°27	15°55	19°45	15°14	16°41	15°51	24°16	1°28	0°15	12°54	n.a.	T 18
F 19	21 33 9	21°19'36	20°34	7°56	29°38	16°34	19°49	15°19	16°43	15°54	24°15	1°25	0°12	13° 1	n.a.	F 19
S 20	21 37 5	22°18'18	2♎24	7°D48	0♎49	17°13	19°54	15°24	16°46	15°56	24°15	1°22	0° 9	13° 8	n.a.	S 20
S 21	21 41 2	23°17'02	14°17	7°50	2° 1	17°52	19°58	15°28	16°48	15°58	24°14	1°18	0° 6	13°14	n.a.	S 21
M22	21 44 59	24°15'48	26°18	8° 2	3°12	18°30	20° 3	15°33	16°51	16° 0	24°13	1°15	0° 3	13°21	n.a.	M22
T 23	21 48 55	25°14'35	8♏28	8°23	4°23	19° 9	20° 7	15°37	16°54	16° 2	24°13	1°13	29♑59	13°28	n.a.	T 23
W24	21 52 52	26°13'25	20°53	8°54	5°34	19°48	20°11	15°41	16°56	16° 5	24°12	1°D12	29°56	13°34	n.a.	W24
T 25	21 56 48	27°12'16	3♐37	9°33	6°44	20°26	20°14	15°45	16°59	16° 7	24°12	1°12	29°53	13°41	n.a.	T 25
F 26	22 0 45	28°11'10	16°43	10°21	7°55	21° 5	20°18	15°49	17° 2	16° 9	24°11	1°13	29°50	13°48	n.a.	F 26
S 27	22 4 41	29°10'05	0♑14	11°17	9° 6	21°44	20°21	15°53	17° 5	16°11	24°11	1°14	29°47	13°54	n.a.	S 27
S 28	22 8 38	0♍ 9'02	14°13	12°21	10°17	22°23	20°25	15°57	17° 7	16°13	24°11	1°16	29°43	14° 1	n.a.	S 28
M29	22 12 34	1° 8'00	28°38	13°31	11°27	23° 2	20°28	16° 1	17°10	16°16	24°10	1°R17	29°40	14° 8	n.a.	M29
T 30	22 16 31	2° 7'01	13♒27	14°47	12°38	23°41	20°30	16° 5	17°13	16°18	24°10	1°16	29°37	14°15	n.a.	T 30
W31	22 20 28	3♍ 6'04	28♒34	16♌ 9	13♎48	24♌19	20♉33	16♊ 8	17♎16	16♌20	24♐10	1♒14	29♑34	14♍21	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n32	23s 7	1s 0	10n35	4s12	9n25	0n52	20n22	1n10	16n31	0s55	21n41	1s 2	5s55	0n32	17n19	0n54	25s 9	1s33	20s 3	20s 8	4n28		n.a.
T 2	19 18	18 49	0n21	10 38	4 17	8 55	0 50	20 12	1 10	16 33	0 55	21 42	1 2	5 55	0 32	17 18	0 54	25 9	1 33	20 3	20 9	4 25		n.a.
W 3	19 3	13 17	1 42	10 45	4 20	8 25	0 47	20 3	1 10	16 35	0 55	21 43	1 2	5 56	0 32	17 18	0 54	25 9	1 33	20 4	20 10	4 22		n.a.
T 4	18 49	6 57	2 57	10 54	4 22	7 55	0 44	19 53	1 10	16 37	0 55	21 43	1 2	5 57	0 32	17 17	0 54	25 9	1 33	20 4	20 10	4 19		n.a.
F 5	18 34	0 17	3 59	11 7	4 22	7 25	0 41	19 43	1 10	16 38	0 55	21 44	1 2	5 58	0 32	17 16	0 54	25 9	1 33	20 4	20 11	4 15		n.a.
S 6	18 19	6n18	4 44	11 23	4 21	6 54	0 39	19 33	1 9	16 40	0 55	21 45	1 2	5 58	0 32	17 16	0 54	25 9	1 33	20 4	20 12	4 12		n.a.
S 7	18 3	12 25	5 10	11 41	4 18	6 23	0 36	19 22	1 9	16 42	0 55	21 45	1 2	5 59	0 32	17 15	0 54	25 9	1 33	20 4	20 12	4 9		n.a.
M 8	17 47	17 44	5 17	12 3	4 13	5 53	0 33	19 12	1 9	16 44	0 55	21 46	1 2	6 0	0 32	17 14	0 54	25 9	1 33	20 4	20 13	4 6		n.a.
T 9	17 31	22 0	5 5	12 27	4 6	5 22	0 30	19 1	1 9	16 46	0 55	21 47	1 2	6 1	0 31	17 14	0 54	25 9	1 33	20 4	20 14	4 3		n.a.
W10	17 14	25 0	4 38	12 53	3 57	4 50	0 27	18 51	1 9	16 47	0 55	21 47	1 2	6 2	0 31	17 13	0 54	25 9	1 33	20 4	20 15	4 0		n.a.
T 11	16 58	26 35	3 56	13 21	3 45	4 19	0 24	18 40	1 9	16 49	0 55	21 48	1 2	6 3	0 31	17 12	0 54	25 9	1 33	20 4	20 15	3 56		n.a.
F 12	16 41	26 44	3 4	13 50	3 33	3 48	0 20	18 29	1 9	16 50	0 56	21 49	1 2	6 3	0 31	17 12	0 54	25 9	1 33	20 4	20 16	3 53		n.a.
S 13	16 23	25 30	2 4	14 20	3 18	3 16	0 17	18 18	1 9	16 52	0 56	21 49	1 2	6 4	0 31	17 11	0 54	25 9	1 33	20 3	20 17	3 50		n.a.
S 14	16 6	23 2	0 59	14 50	3 2	2 45	0 14	18 7	1 9	16 53	0 56	21 50	1 2	6 5	0 31	17 10	0 54	25 9	1 33	20 3	20 17	3 47		n.a.
M15	15 48	19 35	0s 8	15 19	2 45	2 13	0 11	17 55	1 9	16 55	0 56	21 50	1 2	6 6	0 31	17 10	0 54	25 9	1 33	20 3	20 18	3 44		n.a.
T 16	15 30	15 21	1 14	15 48	2 27	1 41	0 7	17 44	1 9	16 56	0 56	21 51	1 2	6 7	0 31	17 9	0 54	25 9	1 33	20 3	20 19	3 41		n.a.
W17	15 11	10 34	2 16	16 15	2 8	1 9	0 4	17 32	1 9	16 58	0 56	21 51	1 2	6 8	0 31	17 8	0 54	25 9	1 33	20 4	20 19	3 37		n.a.
T 18	14 52	5 26	3 11	16 41	1 49	0 38	0 0	17 21	1 9	16 59	0 56	21 52	1 2	6 9	0 31	17 8	0 54	25 9	1 33	20 4	20 20	3 34		n.a.
F 19	14 34	0 8	3 58	17 4	1 29	0 6	0s 3	17 9	1 9	17 0	0 56	21 52	1 2	6 10	0 31	17 7	0 54	25 9	1 34	20 5	20 21	3 31		n.a.
S 20	14 14	5s10	4 35	17 24	1 10	0s26	0 7	16 57	1 9	17 1	0 56	21 53	1 2	6 11	0 31	17 6	0 54	25 9	1 34	20 6	20 21	3 28		n.a.
S 21	13 55	10 18	5 1	17 42	0 51	0 58	0 10	16 45	1 8	17 2	0 56	21 53	1 2	6 12	0 31	17 6	0 54	25 9	1 34	20 6	20 22	3 25		n.a.
M22	13 35	15 7	5 13	17 57	0 33	1 30	0 14	16 32	1 8	17 3	0 56	21 54	1 2	6 13	0 31	17 5	0 54	25 9	1 34	20 7	20 23	3 22		n.a.
T 23	13 15	19 24	5 12	18 8	0 16	2 2	0 18	16 20	1 8	17 5	0 56	21 54	1 2	6 14	0 31	17 4	0 54	25 9	1 34	20 7	20 23	3 18		n.a.
W24	12 55	22 56	4 56	18 16	0n 1	2 33	0 21	16 8	1 8	17 6	0 56	21 55	1 2	6 15	0 31	17 4	0 54	25 9	1 34	20 8	20 24	3 15		n.a.
T 25	12 35	25 28	4 26	18 20	0 17	3 5	0 25	15 55	1 8	17 6	0 57	21 55	1 2	6 16	0 31	17 3	0 54	25 9	1 34	20 8	20 25	3 12		n.a.
F 26	12 15	26 42	3 41	18 21	0 31	3 37	0 29	15 42	1 8	17 7	0 57	21 56	1 2	6 17	0 31	17 3	0 54	25 9	1 34	20 7	20 26	3 9		n.a.
S 27	11 54	26 25	2 42	18 18	0 44	4 9	0 32	15 30	1 8	17 8	0 57	21 56	1 2	6 18	0 31	17 2	0 54	25 9	1 34	20 7	20 26	3 6		n.a.
S 28	11 33	24 29	1 32	18 12	0 56	4 40	0 36	15 17	1 8	17 9	0 57	21 56	1 2	6 20	0 31	17 1	0 54	25 9	1 34	20 7	20 27	3 3		n.a.
M29	11 12	20 55	0 15	18 2	1 7	5 12	0 40	15 4	1 8	17 10	0 57	21 57	1 2	6 21	0 31	17 1	0 54	25 9	1 34	20 7	20 28	2 59		n.a.
T 30	10 51	15 55	1n 6	17 49	1 17	5 43	0 44	14 51	1 8	17 10	0 57	21 57	1 2	6 22	0 31	17 0	0 54	25 9	1 34	20 7	20 28	2 56		n.a.
W31	10n29	9s52	2n24	17n32	1n25	6s14	0s47	14n38	1n 7	17n11	0s57	21n57	1s 2	6s23	0n31	16n59	0n54	25s10	1s34	20s 7	20s29	2n53		n.a.

Julian Day Number = 1646028.5, Delta T = 03h33m41s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'07, Lahiri = - 6°48'07 Julian Calendar 1 Aug. 207 BCE == Greg. Calendar 28 July 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

SEPTEMBER 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 24 24	4♍ 5'09	13♓49	17♌35	14♎59	24♌58	20♉35	16♊12	17♎19	16♌22	24°R 9	1°R11	29♑31	14♍28	n.a.	T 1
F 2	22 28 21	5° 4'16	29° 3	19° 6	16° 9	25°37	20°38	16°15	17°22	16°24	24♐ 9	1♒ 6	29°28	14°35	n.a.	F 2
S 3	22 32 17	6° 3'25	14♈ 5	20°39	17°19	26°16	20°40	16°19	17°25	16°26	24° 9	1° 1	29°24	14°41	n.a.	S 3
S 4	22 36 14	7° 2'36	28°46	22°16	18°30	26°55	20°41	16°22	17°28	16°28	24° 9	0°56	29°21	14°48	n.a.	S 4
M 5	22 40 10	8° 1'50	13♉ 2	23°55	19°40	27°34	20°43	16°25	17°31	16°31	24° 8	0°52	29°18	14°55	n.a.	M 5
T 6	22 44 7	9° 1'07	26°50	25°36	20°50	28°13	20°45	16°28	17°34	16°33	24° 8	0°50	29°15	15° 1	n.a.	T 6
W 7	22 48 3	10° 0'26	10♊11	27°18	22° 0	28°52	20°46	16°31	17°37	16°35	24° 8	0°D49	29°12	15° 8	n.a.	W 7
T 8	22 52 0	10°59'48	23° 7	29° 1	23°10	29°31	20°47	16°34	17°40	16°37	24° 8	0°50	29° 9	15°15	n.a.	T 8
F 9	22 55 56	11°59'12	5♋41	0♍46	24°20	0♍10	20°48	16°37	17°44	16°39	24° 8	0°51	29° 5	15°21	n.a.	F 9
S 10	22 59 53	12°58'38	18° 0	2°31	25°29	0°50	20°48	16°39	17°47	16°41	24° 8	0°53	29° 2	15°28	n.a.	S 10
S 11	23 3 50	13°58'07	0♌ 6	4°16	26°39	1°29	20°49	16°42	17°50	16°43	24°D 8	0°R54	28°59	15°35	n.a.	S 11
M12	23 7 46	14°57'37	12° 3	6° 1	27°48	2° 8	20°49	16°44	17°53	16°45	24° 8	0°53	28°56	15°41	n.a.	M12
T 13	23 11 43	15°57'11	23°55	7°46	28°58	2°47	20°R49	16°46	17°57	16°47	24° 8	0°50	28°53	15°48	n.a.	T 13
W14	23 15 39	16°56'46	5♍45	9°31	0♏ 7	3°26	20°49	16°49	18° 0	16°49	24° 8	0°45	28°49	15°55	n.a.	W14
T 15	23 19 36	17°56'24	17°34	11°16	1°17	4° 5	20°49	16°51	18° 3	16°51	24° 8	0°38	28°46	16° 1	n.a.	T 15
F 16	23 23 32	18°56'03	29°25	13° 1	2°26	4°45	20°48	16°53	18° 7	16°53	24° 8	0°29	28°43	16° 8	n.a.	F 16
S 17	23 27 29	19°55'45	11♎19	14°45	3°35	5°24	20°47	16°54	18°10	16°55	24° 9	0°19	28°40	16°15	n.a.	S 17
S 18	23 31 25	20°55'29	23°17	16°29	4°44	6° 3	20°47	16°56	18°14	16°57	24° 9	0° 9	28°37	16°22	n.a.	S 18
M19	23 35 22	21°55'14	5♏23	18°12	5°53	6°43	20°45	16°58	18°17	16°59	24° 9	0° 0	28°34	16°28	n.a.	M19
T 20	23 39 19	22°55'02	17°37	19°55	7° 2	7°22	20°44	16°59	18°20	17° 1	24° 9	29♑53	28°30	16°35	n.a.	T 20
W21	23 43 15	23°54'52	0♐ 3	21°37	8°10	8° 1	20°42	17° 1	18°24	17° 3	24°10	29°48	28°27	16°42	n.a.	W21
T 22	23 47 12	24°54'43	12°44	23°18	9°19	8°41	20°41	17° 2	18°27	17° 4	24°10	29°45	28°24	16°48	n.a.	T 22
F 23	23 51 8	25°54'36	25°43	24°59	10°28	9°20	20°39	17° 3	18°31	17° 6	24°10	29°D44	28°21	16°55	n.a.	F 23
S 24	23 55 5	26°54'31	9♑ 5	26°40	11°36	9°59	20°37	17° 4	18°35	17° 8	24°11	29°45	28°18	17° 2	n.a.	S 24
S 25	23 59 1	27°54'28	22°51	28°19	12°44	10°39	20°34	17° 5	18°38	17°10	24°11	29°R45	28°15	17° 8	n.a.	S 25
M26	0 2 58	28°54'26	7♒ 4	29°59	13°52	11°18	20°32	17° 6	18°42	17°12	24°12	29°45	28°11	17°15	n.a.	M26
T 27	0 6 54	29°54'27	21°41	1♎37	15° 0	11°58	20°29	17° 7	18°45	17°13	24°12	29°44	28° 8	17°22	n.a.	T 27
W28	0 10 51	0♎54'28	6♓41	3°16	16° 8	12°37	20°26	17° 8	18°49	17°15	24°12	29°39	28° 5	17°28	n.a.	W28
T 29	0 14 48	1°54'32	21°54	4°53	17°15	13°17	20°23	17° 8	18°52	17°17	24°13	29°32	28° 2	17°35	n.a.	T 29
F 30	0 18 44	2♎54'38	7♈12	6♎30	18♏23	13♍56	20♉20	17♊ 9	18♎56	17♌19	24♐14	29♑23	27♑59	17♍42	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n 8	3s11	3n32	17n13	1n33	6s45	0s51	14n24	1n 7	17n12	0s57	21n58	1s 2	6s24	0n31	16n59	0n54	25s10	1s34	20s 8	20s30	2n50		n.a.
F 2	9 46	3n39	4 24	16 50	1 39	7 16	0 55	14 11	1 7	17 12	0 57	21 58	1 2	6 25	0 31	16 58	0 54	25 10	1 34	20 9	20 30	2 47		n.a.
S 3	9 24	10 11	4 58	16 25	1 44	7 47	0 59	13 57	1 7	17 13	0 57	21 58	1 2	6 27	0 31	16 57	0 54	25 10	1 34	20 10	20 31	2 44		n.a.
S 4	9 2	16 0	5 11	15 57	1 48	8 18	1 3	13 44	1 7	17 13	0 57	21 59	1 2	6 28	0 31	16 57	0 54	25 10	1 34	20 11	20 32	2 40		n.a.
M 5	8 39	20 45	5 4	15 27	1 51	8 48	1 7	13 30	1 7	17 13	0 57	21 59	1 2	6 29	0 31	16 56	0 54	25 10	1 34	20 12	20 32	2 37		n.a.
T 6	8 17	24 13	4 40	14 55	1 53	9 19	1 11	13 16	1 7	17 14	0 57	21 59	1 2	6 30	0 31	16 56	0 54	25 10	1 34	20 12	20 33	2 34		n.a.
W 7	7 54	26 13	4 1	14 20	1 54	9 49	1 14	13 2	1 7	17 14	0 57	22 0	1 2	6 31	0 31	16 55	0 54	25 10	1 34	20 13	20 34	2 31		n.a.
T 8	7 32	26 43	3 11	13 44	1 55	10 19	1 18	12 48	1 6	17 14	0 58	22 0	1 2	6 33	0 31	16 54	0 54	25 10	1 34	20 12	20 34	2 28		n.a.
F 9	7 9	25 48	2 13	13 7	1 55	10 49	1 22	12 34	1 6	17 14	0 58	22 0	1 3	6 34	0 31	16 54	0 54	25 10	1 35	20 12	20 35	2 25		n.a.
S 10	6 46	23 39	1 9	12 28	1 54	11 18	1 26	12 20	1 6	17 14	0 58	22 0	1 3	6 35	0 31	16 53	0 54	25 10	1 35	20 12	20 36	2 21		n.a.
S 11	6 23	20 26	0 4	11 48	1 52	11 47	1 30	12 6	1 6	17 15	0 58	22 1	1 3	6 36	0 31	16 52	0 54	25 10	1 35	20 12	20 36	2 18		n.a.
M12	6 0	16 25	1s 0	11 7	1 50	12 16	1 34	11 52	1 6	17 15	0 58	22 1	1 3	6 38	0 31	16 52	0 54	25 10	1 35	20 12	20 37	2 15		n.a.
T 13	5 36	11 48	2 1	10 25	1 48	12 45	1 37	11 37	1 6	17 14	0 58	22 1	1 3	6 39	0 31	16 51	0 55	25 10	1 35	20 12	20 38	2 12		n.a.
W14	5 13	6 46	2 57	9 42	1 45	13 14	1 41	11 23	1 5	17 14	0 58	22 1	1 3	6 40	0 31	16 51	0 55	25 10	1 35	20 14	20 38	2 9		n.a.
T 15	4 49	1 32	3 45	8 59	1 41	13 42	1 45	11 8	1 5	17 14	0 58	22 1	1 3	6 42	0 30	16 50	0 55	25 10	1 35	20 15	20 39	2 6		n.a.
F 16	4 26	3s46	4 23	8 15	1 37	14 10	1 49	10 53	1 5	17 14	0 58	22 2	1 3	6 43	0 30	16 50	0 55	25 10	1 35	20 17	20 40	2 2		n.a.
S 17	4 2	8 57	4 50	7 30	1 33	14 37	1 53	10 39	1 5	17 14	0 58	22 2	1 3	6 44	0 30	16 49	0 55	25 10	1 35	20 19	20 40	1 59		n.a.
S 18	3 38	13 51	5 4	6 45	1 28	15 4	1 56	10 24	1 5	17 13	0 58	22 2	1 3	6 46	0 30	16 48	0 55	25 10	1 35	20 21	20 41	1 56		n.a.
M19	3 14	18 15	5 5	6 0	1 24	15 31	2 0	10 9	1 5	17 13	0 58	22 2	1 3	6 47	0 30	16 48	0 55	25 10	1 35	20 23	20 42	1 53		n.a.
T 20	2 51	21 57	4 52	5 14	1 18	15 58	2 3	9 54	1 4	17 13	0 58	22 2	1 3	6 48	0 30	16 47	0 55	25 10	1 35	20 25	20 42	1 50		n.a.
W21	2 27	24 42	4 25	4 29	1 13	16 24	2 7	9 39	1 4	17 12	0 58	22 2	1 3	6 50	0 30	16 47	0 55	25 10	1 35	20 26	20 43	1 47		n.a.
T 22	2 3	26 18	3 44	3 43	1 8	16 50	2 11	9 24	1 4	17 12	0 58	22 2	1 3	6 51	0 30	16 46	0 55	25 10	1 35	20 27	20 43	1 44		n.a.
F 23	1 39	26 31	2 52	2 57	1 2	17 15	2 14	9 9	1 4	17 11	0 58	22 2	1 3	6 52	0 30	16 46	0 55	25 11	1 35	20 27	20 44	1 40		n.a.
S 24	1 15	25 13	1 48	2 12	0 56	17 40	2 18	8 54	1 4	17 10	0 58	22 3	1 3	6 54	0 30	16 45	0 55	25 11	1 35	20 27	20 45	1 37		n.a.
S 25	0 50	22 22	0 37	1 26	0 50	18 5	2 21	8 38	1 3	17 10	0 59	22 3	1 3	6 55	0 30	16 45	0 55	25 11	1 35	20 26	20 45	1 34		n.a.
M26	0 26	18 6	0n39	0 40	0 44	18 29	2 24	8 23	1 3	17 9	0 59	22 3	1 3	6 57	0 30	16 44	0 55	25 11	1 35	20 26	20 46	1 31		n.a.
T 27	0 2	12 38	1 54	0s 5	0 37	18 53	2 28	8 8	1 3	17 8	0 59	22 3	1 3	6 58	0 30	16 44	0 55	25 11	1 35	20 27	20 47	1 28		n.a.
W28	0s22	6 20	3 4	0 50	0 31	19 16	2 31	7 52	1 3	17 7	0 59	22 3	1 3	6 59	0 30	16 43	0 55	25 11	1 35	20 28	20 47	1 25		n.a.
T 29	0 46	0n26	4 1	1 35	0 25	19 39	2 34	7 36	1 3	17 7	0 59	22 3	1 3	7 1	0 30	16 43	0 55	25 11	1 35	20 29	20 48	1 21		n.a.
F 30	1s10	7n11	4n41	2s20	0n18	20s 1	2s37	7n21	1n 2	17n 6	0s59	22n 3	1s 3	7s 2	0n30	16n42	0n55	25s11	1s35	20s31	20s49	1n18		n.a.

Julian Day Number = 1646059.5, Delta T = 03h33m40s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°55'03, Lahiri = - 6°48'02 Julian Calendar 1 Sept. 207 BCE == Greg. Calendar 28 Aug. 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

OCTOBER 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 22 41	3♎54'45	22♈22	8♎ 7	19♏30	14♍36	20°R16	17♊ 9	19♎ 0	17♌20	24♐14	29°R13	27♑55	17♍49	n.a.	S 1
S 2	0 26 37	4°54'55	7♉15	9°43	20°37	15°16	20♉12	17° 9	19° 3	17°22	24°15	29♑ 3	27°52	17°55	n.a.	S 2
M 3	0 30 34	5°55'06	21°42	11°19	21°44	15°55	20° 8	17°R 9	19° 7	17°23	24°15	28°55	27°49	18° 2	n.a.	M 3
T 4	0 34 30	6°55'20	5♊40	12°54	22°51	16°35	20° 4	17° 9	19°11	17°25	24°16	28°49	27°46	18° 9	n.a.	T 4
W 5	0 38 27	7°55'36	19° 8	14°29	23°58	17°15	20° 0	17° 9	19°14	17°27	24°17	28°45	27°43	18°15	n.a.	W 5
T 6	0 42 23	8°55'55	2♋ 7	16° 3	25° 4	17°54	19°56	17° 9	19°18	17°28	24°18	28°43	27°40	18°22	n.a.	T 6
F 7	0 46 20	9°56'15	14°43	17°37	26°11	18°34	19°51	17° 8	19°22	17°30	24°18	28°D43	27°36	18°29	n.a.	F 7
S 8	0 50 16	10°56'38	26°58	19°11	27°17	19°14	19°46	17° 8	19°26	17°31	24°19	28°R44	27°33	18°35	n.a.	S 8
S 9	0 54 13	11°57'02	9♌ 0	20°44	28°23	19°54	19°41	17° 7	19°29	17°33	24°20	28°43	27°30	18°42	n.a.	S 9
M10	0 58 10	12°57'29	20°54	22°17	29°29	20°33	19°36	17° 7	19°33	17°34	24°21	28°41	27°27	18°49	n.a.	M10
T 11	1 2 6	13°57'57	2♍42	23°50	0♐34	21°13	19°31	17° 6	19°37	17°36	24°22	28°36	27°24	18°55	n.a.	T 11
W12	1 6 3	14°58'27	14°31	25°22	1°39	21°53	19°25	17° 5	19°40	17°37	24°23	28°28	27°20	19° 2	n.a.	W12
T 13	1 9 59	15°58'59	26°21	26°54	2°45	22°33	19°20	17° 4	19°44	17°38	24°23	28°18	27°17	19° 9	n.a.	T 13
F 14	1 13 56	16°59'33	8♎17	28°26	3°49	23°13	19°14	17° 3	19°48	17°40	24°24	28° 5	27°14	19°16	n.a.	F 14
S 15	1 17 52	18° 0'09	20°18	29°57	4°54	23°53	19° 8	17° 1	19°52	17°41	24°25	27°50	27°11	19°22	n.a.	S 15
S 16	1 21 49	19° 0'46	2♏27	1♏28	5°59	24°33	19° 2	17° 0	19°55	17°42	24°26	27°36	27° 8	19°29	n.a.	S 16
M17	1 25 45	20° 1'25	14°44	2°58	7° 3	25°13	18°56	16°59	19°59	17°44	24°27	27°22	27° 5	19°36	n.a.	M17
T 18	1 29 42	21° 2'05	27° 9	4°29	8° 7	25°53	18°49	16°57	20° 3	17°45	24°28	27°10	27° 1	19°42	n.a.	T 18
W19	1 33 39	22° 2'47	9♐45	5°59	9°10	26°33	18°43	16°55	20° 7	17°46	24°30	27° 2	26°58	19°49	n.a.	W19
T 20	1 37 35	23° 3'30	22°32	7°28	10°14	27°13	18°36	16°53	20°10	17°47	24°31	26°56	26°55	19°56	n.a.	T 20
F 21	1 41 32	24° 4'14	5♑34	8°58	11°17	27°53	18°29	16°51	20°14	17°48	24°32	26°54	26°52	20° 2	n.a.	F 21
S 22	1 45 28	25° 5'00	18°51	10°26	12°19	28°33	18°22	16°49	20°18	17°49	24°33	26°53	26°49	20° 9	n.a.	S 22
S 23	1 49 25	26° 5'47	2♒28	11°55	13°22	29°13	18°15	16°47	20°22	17°51	24°34	26°53	26°46	20°16	n.a.	S 23
M24	1 53 21	27° 6'34	16°27	13°23	14°24	29°54	18° 8	16°45	20°25	17°52	24°35	26°52	26°42	20°22	n.a.	M24
T 25	1 57 18	28° 7'23	0♓46	14°50	15°26	0♎34	18° 1	16°43	20°29	17°53	24°37	26°49	26°39	20°29	n.a.	T 25
W26	2 1 14	29° 8'13	15°26	16°17	16°27	1°14	17°54	16°40	20°33	17°54	24°38	26°44	26°36	20°36	n.a.	W26
T 27	2 5 11	0♏ 9'04	0♈20	17°43	17°28	1°54	17°46	16°38	20°37	17°55	24°39	26°36	26°33	20°43	n.a.	T 27
F 28	2 9 8	1° 9'56	15°23	19° 8	18°29	2°35	17°39	16°35	20°40	17°55	24°40	26°26	26°30	20°49	n.a.	F 28
S 29	2 13 4	2°10'49	0♉23	20°33	19°29	3°15	17°31	16°32	20°44	17°56	24°42	26°14	26°26	20°56	n.a.	S 29
S 30	2 17 1	3°11'43	15°11	21°57	20°28	3°55	17°24	16°29	20°48	17°57	24°43	26° 2	26°23	21° 3	n.a.	S 30
M31	2 20 57	4♏12'39	29♉40	23♏19	21♐28	4♎35	17♉16	16♊27	20♎51	17♌58	24♐44	25♑51	26♑20	21♍ 9	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s34	13n27	5n 1	3s 5	0n11	20s23	2s40	7n 5	1n 2	17n 5	0s59	22n 3	1s 3	7s 4	0n30	16n42	0n55	25s11	1s35	20s33	20s49	1n15		n.a.
S 2	1 59	18 48	5 0	3 49	0 5	20 44	2 43	6 50	1 2	17 4	0 59	22 3	1 3	7 5	0 30	16 41	0 55	25 11	1 36	20 35	20 50	1 12		n.a.
M 3	2 23	22 54	4 40	4 33	0s 2	21 5	2 46	6 34	1 2	17 3	0 59	22 3	1 3	7 6	0 30	16 41	0 55	25 11	1 36	20 37	20 51	1 9		n.a.
T 4	2 47	25 29	4 3	5 17	0 8	21 25	2 49	6 18	1 2	17 2	0 59	22 3	1 3	7 8	0 30	16 40	0 55	25 11	1 36	20 38	20 51	1 6		n.a.
W 5	3 11	26 30	3 14	6 0	0 15	21 45	2 52	6 2	1 1	17 0	0 59	22 3	1 3	7 9	0 30	16 40	0 55	25 11	1 36	20 39	20 52	1 3		n.a.
T 6	3 35	25 59	2 16	6 43	0 22	22 5	2 54	5 46	1 1	16 59	0 59	22 3	1 3	7 11	0 30	16 39	0 55	25 11	1 36	20 39	20 52	0 59		n.a.
F 7	3 59	24 7	1 14	7 26	0 28	22 23	2 57	5 30	1 1	16 58	0 59	22 3	1 3	7 12	0 30	16 39	0 55	25 11	1 36	20 40	20 53	0 56		n.a.
S 8	4 23	21 10	0 9	8 8	0 35	22 42	2 59	5 14	1 1	16 57	0 59	22 3	1 3	7 13	0 30	16 38	0 55	25 12	1 36	20 39	20 54	0 53		n.a.
S 9	4 47	17 21	0s54	8 49	0 41	22 59	3 2	4 58	1 0	16 55	0 59	22 3	1 3	7 15	0 30	16 38	0 55	25 12	1 36	20 40	20 54	0 50		n.a.
M10	5 11	12 53	1 55	9 31	0 48	23 16	3 4	4 42	1 0	16 54	0 59	22 2	1 3	7 16	0 30	16 38	0 55	25 12	1 36	20 40	20 55	0 47		n.a.
T 11	5 34	8 0	2 50	10 11	0 54	23 33	3 6	4 26	1 0	16 52	0 59	22 2	1 3	7 18	0 30	16 37	0 55	25 12	1 36	20 41	20 56	0 44		n.a.
W12	5 58	2 50	3 37	10 51	1 0	23 49	3 9	4 10	1 0	16 51	0 59	22 2	1 3	7 19	0 30	16 37	0 55	25 12	1 36	20 43	20 56	0 41		n.a.
T 13	6 22	2s26	4 15	11 31	1 6	24 4	3 11	3 54	0 59	16 49	0 59	22 2	1 3	7 21	0 30	16 36	0 55	25 12	1 36	20 45	20 57	0 37		n.a.
F 14	6 45	7 38	4 42	12 10	1 12	24 19	3 12	3 38	0 59	16 48	0 59	22 2	1 3	7 22	0 30	16 36	0 55	25 12	1 36	20 47	20 58	0 34		n.a.
S 15	7 9	12 36	4 57	12 48	1 18	24 33	3 14	3 21	0 59	16 46	0 59	22 2	1 3	7 24	0 30	16 36	0 56	25 12	1 36	20 50	20 58	0 31		n.a.
S 16	7 32	17 7	4 59	13 26	1 24	24 46	3 16	3 5	0 58	16 44	0 59	22 2	1 3	7 25	0 30	16 35	0 56	25 12	1 36	20 53	20 59	0 28		n.a.
M17	7 55	21 0	4 46	14 3	1 30	24 59	3 17	2 49	0 58	16 43	0 59	22 2	1 3	7 26	0 30	16 35	0 56	25 12	1 36	20 56	20 59	0 25		n.a.
T 18	8 18	23 58	4 20	14 39	1 35	25 11	3 19	2 32	0 58	16 41	0 59	22 1	1 3	7 28	0 30	16 35	0 56	25 12	1 36	20 58	21 0	0 22		n.a.
W19	8 41	25 49	3 41	15 15	1 41	25 23	3 20	2 16	0 58	16 39	0 59	22 1	1 3	7 29	0 30	16 34	0 56	25 13	1 36	21 0	21 1	0 19		n.a.
T 20	9 4	26 21	2 51	15 50	1 46	25 34	3 21	2 0	0 57	16 37	0 59	22 1	1 3	7 31	0 30	16 34	0 56	25 13	1 36	21 1	21 1	0 15		n.a.
F 21	9 27	25 26	1 50	16 24	1 51	25 44	3 22	1 43	0 57	16 36	0 59	22 1	1 3	7 32	0 30	16 34	0 56	25 13	1 36	21 2	21 2	0 12		n.a.
S 22	9 49	23 4	0 42	16 57	1 55	25 54	3 23	1 27	0 57	16 34	0 59	22 1	1 3	7 34	0 30	16 33	0 56	25 13	1 36	21 2	21 2	0 9		n.a.
S 23	10 12	19 22	0n30	17 29	2 0	26 3	3 24	1 10	0 56	16 32	0 59	22 1	1 3	7 35	0 30	16 33	0 56	25 13	1 36	21 2	21 3	0 6		n.a.
M24	10 34	14 29	1 41	18 0	2 4	26 11	3 25	0 54	0 56	16 30	0 59	22 0	1 3	7 36	0 30	16 33	0 56	25 13	1 37	21 2	21 4	0 3		n.a.
T 25	10 56	8 42	2 49	18 31	2 8	26 19	3 25	0 38	0 56	16 28	0 58	22 0	1 3	7 38	0 30	16 32	0 56	25 13	1 37	21 2	21 4	0s 0		n.a.
W26	11 18	2 20	3 46	19 0	2 11	26 26	3 26	0 21	0 56	16 26	0 58	22 0	1 3	7 39	0 30	16 32	0 56	25 13	1 37	21 3	21 5	0 3		n.a.
T 27	11 39	4n15	4 30	19 28	2 15	26 32	3 26	0 5	0 55	16 24	0 58	22 0	1 3	7 41	0 30	16 32	0 56	25 13	1 37	21 5	21 6	0 6		n.a.
F 28	12 1	10 38	4 55	19 55	2 17	26 38	3 26	0s12	0 55	16 22	0 58	21 59	1 3	7 42	0 30	16 32	0 56	25 13	1 37	21 7	21 6	0 10		n.a.
S 29	12 22	16 24	4 59	20 21	2 20	26 43	3 26	0 28	0 55	16 20	0 58	21 59	1 3	7 43	0 30	16 31	0 56	25 13	1 37	21 9	21 7	0 13		n.a.
S 30	12 43	21 6	4 44	20 45	2 22	26 47	3 25	0 45	0 54	16 18	0 58	21 59	1 3	7 45	0 30	16 31	0 56	25 14	1 37	21 11	21 7	0 16		n.a.
M31	13s 4	24n23	4n10	21s 8	2s24	26s51	3s25	1s 1	0n54	16n16	0s58	21n58	1s 3	7s46	0n30	16n31	0n56	25s14	1s37	21s13	21s 8	0s19		n.a.

Julian Day Number = 1646089.5, Delta T = 03h33m39s
Ecliptic obliquity = 23°43'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'59, Lahiri = - 6°47'58 Julian Calendar 1 Oct. 207 BCE == Greg. Calendar 27 Sept. 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

NOVEMBER 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 24 54	5♏13'36	13♊42	24♏40	22♐27	5♎16	17°R 8	16°R24	20♎55	17♌59	24♐46	25°R43	26♑17	21♍16	n.a.	T 1
W 2	2 28 50	6°14'35	27°15	26° 0	23°25	5°56	17♉ 0	16♊20	20°59	18° 0	24°47	25♑38	26°14	21°23	n.a.	W 2
T 3	2 32 47	7°15'34	10♋21	27°18	24°23	6°37	16°52	16°17	21° 2	18° 0	24°49	25°35	26°11	21°29	n.a.	T 3
F 4	2 36 43	8°16'36	23° 1	28°34	25°21	7°17	16°44	16°14	21° 6	18° 1	24°50	25°D34	26° 7	21°36	n.a.	F 4
S 5	2 40 40	9°17'38	5♌20	29°48	26°18	7°58	16°36	16°11	21°10	18° 2	24°52	25°R34	26° 4	21°43	n.a.	S 5
S 6	2 44 37	10°18'41	17°24	0♐59	27°14	8°38	16°28	16° 7	21°13	18° 2	24°53	25°34	26° 1	21°50	n.a.	S 6
M 7	2 48 33	11°19'46	29°18	2° 7	28°10	9°19	16°20	16° 4	21°17	18° 3	24°55	25°33	25°58	21°56	n.a.	M 7
T 8	2 52 30	12°20'52	11♍ 7	3°11	29° 5	9°59	16°12	16° 0	21°20	18° 4	24°56	25°29	25°55	22° 3	n.a.	T 8
W 9	2 56 26	13°21'59	22°56	4°12	29°59	10°40	16° 4	15°56	21°24	18° 4	24°58	25°22	25°52	22°10	n.a.	W 9
T 10	3 0 23	14°23'07	4♎49	5° 8	0♑54	11°21	15°55	15°52	21°27	18° 5	24°59	25°13	25°48	22°16	n.a.	T 10
F 11	3 4 19	15°24'16	16°50	5°59	1°47	12° 1	15°47	15°48	21°31	18° 5	25° 1	25° 1	25°45	22°23	n.a.	F 11
S 12	3 8 16	16°25'26	29° 0	6°43	2°40	12°42	15°39	15°45	21°34	18° 5	25° 3	24°48	25°42	22°30	n.a.	S 12
S 13	3 12 12	17°26'36	11♏21	7°21	3°32	13°23	15°31	15°41	21°38	18° 6	25° 4	24°35	25°39	22°36	n.a.	S 13
M14	3 16 9	18°27'48	23°53	7°51	4°24	14° 3	15°23	15°36	21°41	18° 6	25° 6	24°23	25°36	22°43	n.a.	M14
T 15	3 20 6	19°29'00	6♐37	8°13	5°14	14°44	15°15	15°32	21°45	18° 7	25° 8	24°12	25°32	22°50	n.a.	T 15
W16	3 24 2	20°30'13	19°31	8°25	6° 4	15°25	15° 6	15°28	21°48	18° 7	25° 9	24° 5	25°29	22°57	n.a.	W16
T 17	3 27 59	21°31'26	2♑36	8°R27	6°53	16° 6	14°58	15°24	21°52	18° 7	25°11	24° 0	25°26	23° 3	n.a.	T 17
F 18	3 31 55	22°32'39	15°51	8°18	7°41	16°47	14°50	15°19	21°55	18° 7	25°13	23°58	25°23	23°10	n.a.	F 18
S 19	3 35 52	23°33'53	29°19	7°57	8°28	17°27	14°42	15°15	21°58	18° 7	25°14	23°D57	25°20	23°17	n.a.	S 19
S 20	3 39 48	24°35'07	12♒59	7°25	9°14	18° 8	14°34	15°11	22° 2	18° 8	25°16	23°58	25°17	23°23	n.a.	S 20
M21	3 43 45	25°36'21	26°52	6°41	10° 0	18°49	14°26	15° 6	22° 5	18° 8	25°18	23°R58	25°13	23°30	n.a.	M21
T 22	3 47 42	26°37'35	10♓59	5°47	10°44	19°30	14°19	15° 2	22° 8	18° 8	25°20	23°57	25°10	23°37	n.a.	T 22
W23	3 51 38	27°38'49	25°18	4°42	11°27	20°11	14°11	14°57	22°11	18° 8	25°21	23°54	25° 7	23°43	n.a.	W23
T 24	3 55 35	28°40'03	9♈48	3°30	12° 9	20°52	14° 3	14°52	22°15	18°R 8	25°23	23°49	25° 4	23°50	n.a.	T 24
F 25	3 59 31	29°41'17	24°23	2°11	12°50	21°33	13°55	14°48	22°18	18° 8	25°25	23°41	25° 1	23°57	n.a.	F 25
S 26	4 3 28	0♐42'31	8♉57	0°50	13°29	22°14	13°48	14°43	22°21	18° 8	25°27	23°33	24°58	24° 4	n.a.	S 26
S 27	4 7 24	1°43'45	23°24	29♏28	14° 8	22°55	13°41	14°38	22°24	18° 8	25°29	23°24	24°54	24°10	n.a.	S 27
M28	4 11 21	2°44'59	7♊36	28° 8	14°45	23°36	13°33	14°33	22°27	18° 8	25°31	23°16	24°51	24°17	n.a.	M28
T 29	4 15 17	3°46'14	21°29	26°53	15°21	24°17	13°26	14°28	22°30	18° 7	25°32	23°10	24°48	24°24	n.a.	T 29
W30	4 19 14	4♐47'28	4♋58	25♏44	15♑55	24♎59	13♉19	14♊24	22♎33	18♌ 7	25♐34	23♑ 6	24♑45	24♍30	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13 s25	26n 3	3n22	21 s30	2 s25	26 s54	3 s24	1 s18	0n54	16n13	0 s58	21n58	1 s 3	7 s48	0n30	16n31	0n56	25 s14	1 s37	21 s15	21 s 9	0 s22		n.a.
W 2	13 46	26 5	2 24	21 50	2 25	26 57	3 24	1 34	0 53	16 11	0 58	21 58	1 3	7 49	0 30	16 31	0 56	25 14	1 37	21 16	21 9	0 25		n.a.
T 3	14 6	24 38	1 20	22 9	2 25	26 58	3 23	1 51	0 53	16 9	0 58	21 58	1 3	7 50	0 30	16 30	0 56	25 14	1 37	21 17	21 10	0 28		n.a.
F 4	14 26	21 57	0 14	22 26	2 25	27 0	3 21	2 7	0 53	16 7	0 58	21 57	1 3	7 52	0 30	16 30	0 56	25 14	1 37	21 17	21 10	0 31		n.a.
S 5	14 46	18 20	0 s52	22 41	2 24	27 0	3 20	2 24	0 52	16 5	0 58	21 57	1 3	7 53	0 30	16 30	0 56	25 14	1 37	21 17	21 11	0 35		n.a.
S 6	15 5	14 1	1 53	22 54	2 21	27 0	3 18	2 40	0 52	16 2	0 57	21 57	1 3	7 55	0 30	16 30	0 56	25 14	1 37	21 17	21 12	0 38		n.a.
M 7	15 24	9 13	2 49	23 5	2 19	26 59	3 17	2 57	0 51	16 0	0 57	21 56	1 3	7 56	0 30	16 30	0 56	25 14	1 37	21 17	21 12	0 41		n.a.
T 8	15 43	4 9	3 37	23 15	2 15	26 58	3 15	3 13	0 51	15 58	0 57	21 56	1 3	7 57	0 30	16 30	0 57	25 15	1 37	21 18	21 13	0 44		n.a.
W 9	16 2	1 s 4	4 15	23 22	2 10	26 56	3 13	3 30	0 51	15 56	0 57	21 56	1 3	7 59	0 30	16 29	0 57	25 15	1 37	21 19	21 13	0 47		n.a.
T 10	16 21	6 15	4 43	23 27	2 5	26 53	3 10	3 46	0 50	15 53	0 57	21 55	1 3	8 0	0 30	16 29	0 57	25 15	1 37	21 21	21 14	0 50		n.a.
F 11	16 39	11 16	4 58	23 29	1 58	26 50	3 8	4 3	0 50	15 51	0 57	21 55	1 3	8 1	0 30	16 29	0 57	25 15	1 37	21 23	21 15	0 53		n.a.
S 12	16 57	15 55	5 1	23 30	1 50	26 46	3 5	4 19	0 50	15 49	0 57	21 54	1 3	8 3	0 30	16 29	0 57	25 15	1 38	21 25	21 15	0 56		n.a.
S 13	17 14	19 59	4 49	23 27	1 41	26 42	3 2	4 35	0 49	15 47	0 57	21 54	1 3	8 4	0 30	16 29	0 57	25 15	1 38	21 27	21 16	0 59		n.a.
M14	17 32	23 12	4 23	23 22	1 30	26 37	2 58	4 52	0 49	15 44	0 56	21 54	1 3	8 5	0 30	16 29	0 57	25 15	1 38	21 30	21 16	1 3		n.a.
T 15	17 48	25 21	3 44	23 13	1 18	26 32	2 55	5 8	0 48	15 42	0 56	21 53	1 3	8 6	0 30	16 29	0 57	25 15	1 38	21 32	21 17	1 6		n.a.
W16	18 5	26 10	2 53	23 2	1 5	26 26	2 51	5 24	0 48	15 40	0 56	21 53	1 3	8 8	0 30	16 29	0 57	25 16	1 38	21 33	21 18	1 9		n.a.
T 17	18 21	25 33	1 51	22 48	0 50	26 19	2 47	5 40	0 47	15 38	0 56	21 52	1 3	8 9	0 30	16 29	0 57	25 16	1 38	21 34	21 18	1 12		n.a.
F 18	18 37	23 29	0 43	22 31	0 34	26 12	2 43	5 57	0 47	15 35	0 56	21 52	1 3	8 10	0 30	16 29	0 57	25 16	1 38	21 34	21 19	1 15		n.a.
S 19	18 53	20 4	0n29	22 10	0 17	26 5	2 38	6 13	0 47	15 33	0 56	21 52	1 2	8 12	0 30	16 29	0 57	25 16	1 38	21 34	21 19	1 18		n.a.
S 20	19 8	15 31	1 40	21 47	0n 2	25 57	2 33	6 29	0 46	15 31	0 55	21 51	1 2	8 13	0 30	16 29	0 57	25 16	1 38	21 34	21 20	1 21		n.a.
M21	19 23	10 6	2 46	21 20	0 21	25 48	2 28	6 45	0 46	15 29	0 55	21 51	1 2	8 14	0 30	16 29	0 57	25 16	1 38	21 34	21 21	1 24		n.a.
T 22	19 38	4 5	3 44	20 51	0 41	25 39	2 23	7 1	0 45	15 27	0 55	21 50	1 2	8 15	0 30	16 29	0 57	25 16	1 38	21 34	21 21	1 27		n.a.
W23	19 52	2n13	4 29	20 19	1 2	25 30	2 17	7 17	0 45	15 25	0 55	21 50	1 2	8 16	0 30	16 29	0 57	25 16	1 38	21 35	21 22	1 30		n.a.
T 24	20 6	8 27	4 56	19 46	1 22	25 20	2 11	7 33	0 44	15 22	0 55	21 49	1 2	8 18	0 30	16 29	0 57	25 17	1 38	21 36	21 22	1 34		n.a.
F 25	20 19	14 17	5 5	19 12	1 41	25 10	2 5	7 49	0 44	15 20	0 55	21 49	1 2	8 19	0 30	16 29	0 57	25 17	1 38	21 37	21 23	1 37		n.a.
S 26	20 32	19 17	4 55	18 37	1 59	24 59	1 58	8 5	0 43	15 18	0 54	21 48	1 2	8 20	0 30	16 29	0 57	25 17	1 38	21 39	21 23	1 40		n.a.
S 27	20 45	23 7	4 25	18 4	2 15	24 48	1 51	8 21	0 43	15 16	0 54	21 48	1 2	8 21	0 30	16 29	0 57	25 17	1 38	21 40	21 24	1 43		n.a.
M28	20 57	25 26	3 39	17 33	2 30	24 37	1 44	8 37	0 43	15 14	0 54	21 47	1 2	8 22	0 30	16 29	0 57	25 17	1 39	21 41	21 25	1 46		n.a.
T 29	21 9	26 8	2 42	17 4	2 42	24 26	1 37	8 52	0 42	15 12	0 54	21 47	1 2	8 23	0 30	16 29	0 57	25 17	1 39	21 42	21 25	1 49		n.a.
W30	21 s21	25n14	1n36	16 s38	2n52	24 s14	1 s29	9 s 8	0n42	15n10	0 s54	21n47	1 s 2	8 s25	0n30	16n29	0n57	25 s17	1 s39	21 s43	21 s26	1 s52		n.a.

Julian Day Number = 1646120.5, Delta T = 03h33m38s
Ecliptic obliquity = 23°43'17, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'55, Lahiri = - 6°47'54 Julian Calendar 1 Nov. 207 BCE == Greg. Calendar 28 Oct. 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 207 BCE
geocentric

DECEMBER 207 BCE (-206) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 23 11	5♐48'43	18♋ 4	24°R44	16♑28	25♎40	13°R12	14°R19	22♎36	18°R 7	25♐36	23°D 4	24♑42	24♍37	n.a.	T 1
F 2	4 27 7	6°49'58	0♌46	23♏54	16°59	26°21	13♉ 5	14♊14	22°39	18♌ 7	25°38	23♑ 4	24°38	24°44	n.a.	F 2
S 3	4 31 4	7°51'13	13° 9	23°13	17°29	27° 2	12°58	14° 9	22°42	18° 6	25°40	23° 5	24°35	24°51	n.a.	S 3
S 4	4 35 0	8°52'28	25°17	22°43	17°57	27°43	12°51	14° 4	22°45	18° 6	25°42	23° 7	24°32	24°57	n.a.	S 4
M 5	4 38 57	9°53'43	7♍14	22°24	18°23	28°25	12°45	13°59	22°48	18° 6	25°44	23°R 8	24°29	25° 4	n.a.	M 5
T 6	4 42 53	10°54'59	19° 5	22°14	18°48	29° 6	12°39	13°54	22°51	18° 5	25°46	23° 7	24°26	25°11	n.a.	T 6
W 7	4 46 50	11°56'14	0♎56	22°D13	19°10	29°47	12°32	13°49	22°54	18° 5	25°48	23° 5	24°23	25°17	n.a.	W 7
T 8	4 50 46	12°57'29	12°51	22°21	19°31	0♏29	12°26	13°44	22°56	18° 4	25°50	23° 1	24°19	25°24	n.a.	T 8
F 9	4 54 43	13°58'44	24°55	22°37	19°50	1°10	12°20	13°39	22°59	18° 4	25°52	22°56	24°16	25°31	n.a.	F 9
S 10	4 58 40	14°59'59	7♏11	23° 1	20° 7	1°52	12°14	13°34	23° 2	18° 3	25°53	22°49	24°13	25°37	n.a.	S 10
S 11	5 2 36	16° 1'14	19°42	23°31	20°22	2°33	12° 9	13°29	23° 4	18° 3	25°55	22°42	24°10	25°44	n.a.	S 11
M12	5 6 33	17° 2'29	2♐28	24° 7	20°34	3°14	12° 3	13°24	23° 7	18° 2	25°57	22°35	24° 7	25°51	n.a.	M12
T 13	5 10 29	18° 3'43	15°30	24°48	20°45	3°56	11°58	13°19	23° 9	18° 2	25°59	22°30	24° 4	25°58	n.a.	T 13
W14	5 14 26	19° 4'57	28°46	25°34	20°53	4°37	11°53	13°14	23°12	18° 1	26° 1	22°26	24° 0	26° 4	n.a.	W14
T 15	5 18 22	20° 6'11	12♑16	26°24	20°58	5°19	11°48	13° 9	23°14	18° 0	26° 3	22°24	23°57	26°11	n.a.	T 15
F 16	5 22 19	21° 7'23	25°57	27°19	21° 2	6° 1	11°43	13° 4	23°17	18° 0	26° 5	22°D23	23°54	26°18	n.a.	F 16
S 17	5 26 16	22° 8'35	9♒47	28°16	21°R 3	6°42	11°38	13° 0	23°19	17°59	26° 7	22°24	23°51	26°24	n.a.	S 17
S 18	5 30 12	23° 9'46	23°45	29°17	21° 1	7°24	11°34	12°55	23°22	17°58	26° 9	22°26	23°48	26°31	n.a.	S 18
M19	5 34 9	24°10'55	7♓48	0♐21	20°57	8° 5	11°30	12°50	23°24	17°57	26°11	22°27	23°44	26°38	n.a.	M19
T 20	5 38 5	25°12'04	21°56	1°27	20°50	8°47	11°26	12°45	23°26	17°56	26°13	22°R28	23°41	26°45	n.a.	T 20
W21	5 42 2	26°13'12	6♈ 6	2°36	20°41	9°29	11°22	12°40	23°28	17°56	26°15	22°28	23°38	26°51	n.a.	W21
T 22	5 45 58	27°14'18	20°17	3°46	20°29	10°10	11°18	12°36	23°30	17°55	26°17	22°26	23°35	26°58	n.a.	T 22
F 23	5 49 55	28°15'24	4♉27	4°59	20°15	10°52	11°14	12°31	23°33	17°54	26°19	22°24	23°32	27° 5	n.a.	F 23
S 24	5 53 51	29°16'28	18°31	6°13	19°58	11°34	11°11	12°26	23°35	17°53	26°21	22°20	23°29	27°11	n.a.	S 24
S 25	5 57 48	0♑17'31	2♊28	7°29	19°39	12°16	11° 8	12°22	23°37	17°52	26°23	22°17	23°25	27°18	n.a.	S 25
M26	6 1 45	1°18'33	16°13	8°46	19°17	12°57	11° 5	12°17	23°39	17°51	26°25	22°14	23°22	27°25	n.a.	M26
T 27	6 5 41	2°19'34	29°43	10° 4	18°53	13°39	11° 2	12°13	23°41	17°50	26°27	22°11	23°19	27°32	n.a.	T 27
W28	6 9 38	3°20'34	12♋56	11°24	18°27	14°21	11° 0	12° 8	23°42	17°49	26°29	22°10	23°16	27°38	n.a.	W28
T 29	6 13 34	4°21'33	25°51	12°45	17°59	15° 3	10°58	12° 4	23°44	17°48	26°31	22°D10	23°13	27°45	n.a.	T 29
F 30	6 17 31	5°22'31	8♌29	14° 7	17°29	15°45	10°55	11°59	23°46	17°47	26°33	22°11	23°10	27°52	n.a.	F 30
S 31	6 21 27	6♑23'28	20♌51	15♐31	16♑58	16♏27	10♉53	11♊55	23♎48	17♌45	26♐35	22♑12	23♑ 6	27♍58	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21 s32	22n56	0n27	16 s17	2n59	24 s 2	1 s21	9 s24	0n41	15n 8	0 s53	21n46	1 s 2	8 s26	0n30	16n29	0n58	25 s17	1 s39	21 s43	21 s26	1 s55			n.a.
F 2	21 42	19 33	0 s42	15 59	3 5	23 49	1 12	9 39	0 41	15 6	0 53	21 46	1 1	8 27	0 30	16 30	0 58	25 18	1 39	21 43	21 27	1 58			n.a.
S 3	21 53	15 22	1 47	15 46	3 8	23 36	1 3	9 55	0 40	15 5	0 53	21 45	1 1	8 28	0 30	16 30	0 58	25 18	1 39	21 43	21 27	2 1			n.a.
S 4	22 2	10 39	2 45	15 38	3 9	23 24	0 54	10 10	0 40	15 3	0 53	21 45	1 1	8 29	0 30	16 30	0 58	25 18	1 39	21 43	21 28	2 4			n.a.
M 5	22 12	5 37	3 36	15 33	3 8	23 10	0 44	10 26	0 39	15 1	0 52	21 44	1 1	8 30	0 30	16 30	0 58	25 18	1 39	21 43	21 29	2 8			n.a.
T 6	22 21	0 26	4 17	15 33	3 6	22 57	0 34	10 41	0 39	14 59	0 52	21 44	1 1	8 31	0 30	16 30	0 58	25 18	1 39	21 43	21 29	2 11			n.a.
W 7	22 29	4 s45	4 47	15 36	3 2	22 44	0 24	10 56	0 38	14 57	0 52	21 43	1 1	8 32	0 30	16 30	0 58	25 18	1 39	21 43	21 30	2 14			n.a.
T 8	22 37	9 48	5 5	15 43	2 58	22 30	0 13	11 11	0 37	14 56	0 52	21 43	1 1	8 33	0 30	16 30	0 58	25 18	1 39	21 44	21 30	2 17			n.a.
F 9	22 45	14 33	5 10	15 52	2 52	22 16	0 2	11 26	0 37	14 54	0 52	21 42	1 1	8 34	0 30	16 31	0 58	25 19	1 39	21 45	21 31	2 20			n.a.
S 10	22 52	18 47	5 0	16 4	2 46	22 3	0n 9	11 41	0 36	14 53	0 51	21 42	1 1	8 35	0 30	16 31	0 58	25 19	1 39	21 46	21 31	2 23			n.a.
S 11	22 59	22 18	4 37	16 18	2 39	21 49	0 21	11 56	0 36	14 51	0 51	21 41	1 1	8 36	0 30	16 31	0 58	25 19	1 39	21 47	21 32	2 26			n.a.
M12	23 5	24 48	3 59	16 35	2 31	21 35	0 33	12 11	0 35	14 50	0 51	21 41	1 0	8 37	0 30	16 31	0 58	25 19	1 40	21 48	21 33	2 29			n.a.
T 13	23 11	26 2	3 8	16 52	2 24	21 21	0 45	12 26	0 35	14 48	0 51	21 40	1 0	8 38	0 30	16 32	0 58	25 19	1 40	21 49	21 33	2 32			n.a.
W14	23 16	25 48	2 5	17 11	2 15	21 7	0 58	12 41	0 34	14 47	0 50	21 40	1 0	8 39	0 30	16 32	0 58	25 19	1 40	21 50	21 34	2 35			n.a.
T 15	23 21	24 4	0 55	17 31	2 7	20 53	1 11	12 55	0 34	14 46	0 50	21 39	1 0	8 40	0 30	16 32	0 58	25 19	1 40	21 50	21 34	2 38			n.a.
F 16	23 25	20 53	0n19	17 52	1 58	20 39	1 25	13 10	0 33	14 44	0 50	21 39	1 0	8 41	0 30	16 32	0 58	25 20	1 40	21 50	21 35	2 41			n.a.
S 17	23 29	16 30	1 34	18 14	1 49	20 26	1 39	13 24	0 32	14 43	0 50	21 38	1 0	8 42	0 30	16 33	0 58	25 20	1 40	21 50	21 35	2 44			n.a.
S 18	23 33	11 12	2 43	18 36	1 41	20 12	1 53	13 38	0 32	14 42	0 49	21 38	1 0	8 42	0 30	16 33	0 58	25 20	1 40	21 50	21 36	2 47			n.a.
M19	23 35	5 17	3 44	18 58	1 32	19 58	2 7	13 53	0 31	14 41	0 49	21 37	1 0	8 43	0 30	16 33	0 58	25 20	1 40	21 50	21 36	2 51			n.a.
T 20	23 38	0n54	4 31	19 21	1 23	19 45	2 22	14 7	0 31	14 40	0 49	21 37	0 59	8 44	0 30	16 33	0 58	25 20	1 40	21 49	21 37	2 54			n.a.
W21	23 40	7 3	5 1	19 43	1 14	19 32	2 37	14 21	0 30	14 39	0 49	21 36	0 59	8 45	0 30	16 34	0 58	25 20	1 40	21 49	21 38	2 57			n.a.
T 22	23 41	12 51	5 14	20 5	1 5	19 19	2 52	14 35	0 29	14 38	0 48	21 36	0 59	8 46	0 30	16 34	0 58	25 20	1 40	21 50	21 38	3 0			n.a.
F 23	23 43	17 57	5 7	20 27	0 56	19 6	3 7	14 48	0 29	14 37	0 48	21 35	0 59	8 47	0 31	16 34	0 58	25 21	1 40	21 50	21 39	3 3			n.a.
S 24	23 43	22 3	4 42	20 49	0 47	18 53	3 22	15 2	0 28	14 36	0 48	21 35	0 59	8 47	0 31	16 35	0 58	25 21	1 41	21 51	21 39	3 6			n.a.
S 25	23 43	24 49	4 0	21 11	0 39	18 41	3 37	15 16	0 27	14 36	0 47	21 34	0 59	8 48	0 31	16 35	0 58	25 21	1 41	21 51	21 40	3 9			n.a.
M26	23 43	26 4	3 5	21 31	0 30	18 29	3 52	15 29	0 27	14 35	0 47	21 34	0 59	8 49	0 31	16 35	0 59	25 21	1 41	21 52	21 40	3 12			n.a.
T 27	23 42	25 44	2 1	21 52	0 22	18 17	4 7	15 42	0 26	14 34	0 47	21 33	0 59	8 49	0 31	16 36	0 59	25 21	1 41	21 52	21 41	3 15			n.a.
W28	23 41	23 56	0 51	22 11	0 14	18 6	4 22	15 56	0 25	14 34	0 47	21 33	0 58	8 50	0 31	16 36	0 59	25 21	1 41	21 52	21 41	3 18			n.a.
T 29	23 39	20 53	0 s20	22 30	0 6	17 55	4 37	16 9	0 25	14 33	0 46	21 32	0 58	8 51	0 31	16 36	0 59	25 21	1 41	21 52	21 42	3 21			n.a.
F 30	23 37	16 55	1 29	22 48	0 s 2	17 44	4 52	16 22	0 24	14 33	0 46	21 32	0 58	8 51	0 31	16 37	0 59	25 22	1 41	21 52	21 42	3 24			n.a.
S 31	23 s34	12n19	2 s32	23 s 5	0 s10	17 s34	5n 6	16 s35	0n23	14n33	0 s46	21n32	0 s58	8 s52	0n31	16n37	0n59	25 s22	1 s41	21 s52	21 s43	3 s27			n.a.

Julian Day Number = 1646150.5, Delta T = 03h33m37s
Ecliptic obliquity = 23°43'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'51, Lahiri = - 6°47'50 Julian Calendar 1 Dec. 207 BCE == Greg. Calendar 27 Nov. 207 BCE

The year -206 astronomical counting style corresponds to year 207 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

JANUARY 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 25 24	7♑24'24	3♍ 0	16♐55	16°R24	17♏ 9	10°R52	11°R51	23♎50	17°R44	26♐37	22♑13	23♑ 3	28♍ 5	n.a.	S 1
M 2	6 29 21	8°25'19	14°58	18°20	15♑50	17°51	10♉50	11♊47	23°51	17♌43	26°39	22°15	23° 0	28°12	n.a.	M 2
T 3	6 33 17	9°26'13	26°51	19°46	15°14	18°33	10°49	11°42	23°53	17°42	26°41	22°16	22°57	28°19	n.a.	T 3
W 4	6 37 14	10°27'06	8♎43	21°13	14°38	19°15	10°48	11°38	23°54	17°41	26°43	22°R16	22°54	28°25	n.a.	W 4
T 5	6 41 10	11°27'58	20°39	22°41	14° 1	19°57	10°47	11°34	23°56	17°39	26°45	22°16	22°50	28°32	n.a.	T 5
F 6	6 45 7	12°28'49	2♏43	24°10	13°24	20°39	10°46	11°30	23°57	17°38	26°47	22°15	22°47	28°39	n.a.	F 6
S 7	6 49 3	13°29'39	15° 0	25°39	12°47	21°21	10°45	11°27	23°59	17°37	26°48	22°14	22°44	28°45	n.a.	S 7
S 8	6 53 0	14°30'27	27°33	27°10	12° 9	22° 3	10°45	11°23	24° 0	17°36	26°50	22°13	22°41	28°52	n.a.	S 8
M 9	6 56 56	15°31'15	10♐26	28°41	11°33	22°45	10°D45	11°19	24° 1	17°34	26°52	22°12	22°38	28°59	n.a.	M 9
T 10	7 0 53	16°32'01	23°40	0♑13	10°57	23°27	10°45	11°16	24° 2	17°33	26°54	22°11	22°35	29° 6	n.a.	T 10
W11	7 4 50	17°32'46	7♑14	1°46	10°22	24° 9	10°45	11°12	24° 4	17°31	26°56	22°11	22°31	29°12	n.a.	W11
T 12	7 8 46	18°33'30	21° 6	3°20	9°48	24°52	10°46	11° 9	24° 5	17°30	26°58	22°D11	22°28	29°19	n.a.	T 12
F 13	7 12 43	19°34'12	5♒15	4°54	9°15	25°34	10°47	11° 5	24° 6	17°29	27° 0	22°11	22°25	29°26	n.a.	F 13
S 14	7 16 39	20°34'52	19°35	6°30	8°44	26°16	10°48	11° 2	24° 7	17°27	27° 2	22°11	22°22	29°32	n.a.	S 14
S 15	7 20 36	21°35'30	4♓ 1	8° 6	8°15	26°58	10°49	10°59	24° 8	17°26	27° 3	22°11	22°19	29°39	n.a.	S 15
M16	7 24 32	22°36'07	18°28	9°43	7°48	27°41	10°50	10°56	24° 9	17°24	27° 5	22°R11	22°16	29°46	n.a.	M16
T 17	7 28 29	23°36'42	2♈51	11°21	7°22	28°23	10°51	10°53	24° 9	17°23	27° 7	22°11	22°12	29°52	n.a.	T 17
W18	7 32 25	24°37'14	17° 8	13° 0	6°59	29° 5	10°53	10°50	24°10	17°21	27° 9	22°11	22° 9	29°59	n.a.	W18
T 19	7 36 22	25°37'45	1♉14	14°40	6°38	29°48	10°55	10°47	24°11	17°20	27°11	22°D11	22° 6	0♎ 6	n.a.	T 19
F 20	7 40 19	26°38'14	15° 9	16°20	6°19	0♐30	10°57	10°44	24°12	17°18	27°13	22°11	22° 3	0°13	n.a.	F 20
S 21	7 44 15	27°38'41	28°52	18° 2	6° 3	1°12	10°59	10°42	24°12	17°17	27°14	22°12	22° 0	0°19	n.a.	S 21
S 22	7 48 12	28°39'05	12♊22	19°45	5°49	1°55	11° 2	10°39	24°13	17°15	27°16	22°12	21°56	0°26	n.a.	S 22
M23	7 52 8	29°39'28	25°39	21°28	5°38	2°37	11° 5	10°37	24°13	17°14	27°18	22°13	21°53	0°33	n.a.	M23
T 24	7 56 5	0♒39'49	8♋43	23°12	5°29	3°19	11° 7	10°35	24°14	17°12	27°19	22°13	21°50	0°40	n.a.	T 24
W25	8 0 1	1°40'08	21°34	24°58	5°23	4° 2	11°11	10°32	24°14	17°11	27°21	22°R14	21°47	0°46	n.a.	W25
T 26	8 3 58	2°40'25	4♌12	26°44	5°19	4°44	11°14	10°30	24°15	17° 9	27°23	22°13	21°44	0°53	n.a.	T 26
F 27	8 7 54	3°40'40	16°38	28°32	5°D18	5°27	11°17	10°28	24°15	17° 7	27°25	22°13	21°41	1° 0	n.a.	F 27
S 28	8 11 51	4°40'53	28°52	0♒20	5°19	6° 9	11°21	10°27	24°15	17° 6	27°26	22°11	21°37	1° 6	n.a.	S 28
S 29	8 15 48	5°41'05	10♍58	2° 9	5°22	6°52	11°25	10°25	24°15	17° 4	27°28	22° 9	21°34	1°13	n.a.	S 29
M30	8 19 44	6°41'14	22°55	4° 0	5°28	7°34	11°29	10°23	24°15	17° 2	27°29	22° 7	21°31	1°20	n.a.	M30
T 31	8 23 41	7♒41'22	4♎48	5♒51	5♑36	8♐17	11♉33	10♊22	24♎16	17♌ 1	27♐31	22♑ 5	21♑28	1♎27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23 s31	7n19	3 s27	23 s22	0 s18	17 s24	5n20	16 s47	0n23	14n32	0 s46	21n31	0 s58	8 s53	0n31	16n38	0n59	25 s22	1 s41	21 s52	21 s44	3 s30			n.a.
M 2	23 27	2 7	4 12	23 37	0 25	17 15	5 33	17 0	0 22	14 32	0 45	21 31	0 58	8 53	0 31	16 38	0 59	25 22	1 41	21 52	21 44	3 33			n.a.
T 3	23 23	3 s 6	4 46	23 52	0 32	17 6	5 46	17 12	0 21	14 32	0 45	21 30	0 57	8 54	0 31	16 38	0 59	25 22	1 41	21 51	21 45	3 36			n.a.
W 4	23 18	8 12	5 8	24 5	0 39	16 58	5 59	17 25	0 21	14 32	0 45	21 30	0 57	8 54	0 31	16 39	0 59	25 22	1 42	21 51	21 45	3 39			n.a.
T 5	23 13	13 2	5 16	24 17	0 46	16 50	6 10	17 37	0 20	14 32	0 45	21 30	0 57	8 55	0 31	16 39	0 59	25 22	1 42	21 51	21 46	3 42			n.a.
F 6	23 8	17 25	5 11	24 28	0 53	16 43	6 21	17 49	0 19	14 32	0 44	21 29	0 57	8 55	0 31	16 40	0 59	25 23	1 42	21 52	21 46	3 45			n.a.
S 7	23 2	21 10	4 52	24 38	0 59	16 36	6 31	18 1	0 18	14 32	0 44	21 29	0 57	8 56	0 31	16 40	0 59	25 23	1 42	21 52	21 47	3 48			n.a.
S 8	22 55	24 2	4 19	24 46	1 5	16 30	6 41	18 13	0 18	14 32	0 44	21 29	0 57	8 56	0 31	16 41	0 59	25 23	1 42	21 52	21 47	3 51			n.a.
M 9	22 48	25 46	3 31	24 54	1 11	16 25	6 49	18 24	0 17	14 32	0 44	21 28	0 56	8 57	0 31	16 41	0 59	25 23	1 42	21 52	21 48	3 54			n.a.
T 10	22 41	26 6	2 32	25 0	1 16	16 20	6 57	18 36	0 16	14 32	0 43	21 28	0 56	8 57	0 31	16 41	0 59	25 23	1 42	21 52	21 48	3 57			n.a.
W11	22 33	24 53	1 22	25 4	1 22	16 16	7 4	18 47	0 15	14 33	0 43	21 28	0 56	8 58	0 31	16 42	0 59	25 23	1 42	21 52	21 49	4 0			n.a.
T 12	22 25	22 8	0 6	25 8	1 27	16 12	7 10	18 58	0 15	14 33	0 43	21 27	0 56	8 58	0 31	16 42	0 59	25 24	1 42	21 52	21 49	4 3			n.a.
F 13	22 16	18 1	1n12	25 9	1 32	16 9	7 16	19 9	0 14	14 34	0 43	21 27	0 56	8 58	0 31	16 43	0 59	25 24	1 42	21 52	21 50	4 6			n.a.
S 14	22 7	12 48	2 26	25 9	1 36	16 7	7 20	19 20	0 13	14 34	0 42	21 27	0 56	8 59	0 31	16 43	0 59	25 24	1 43	21 52	21 50	4 9			n.a.
S 15	21 58	6 52	3 32	25 8	1 40	16 5	7 24	19 31	0 12	14 35	0 42	21 26	0 55	8 59	0 31	16 44	0 59	25 24	1 43	21 52	21 51	4 12			n.a.
M16	21 48	0 34	4 24	25 5	1 44	16 4	7 26	19 41	0 12	14 35	0 42	21 26	0 55	8 59	0 31	16 44	0 59	25 24	1 43	21 52	21 51	4 15			n.a.
T 17	21 38	5n43	4 59	25 1	1 48	16 3	7 28	19 52	0 11	14 36	0 41	21 26	0 55	9 0	0 31	16 45	0 59	25 24	1 43	21 52	21 52	4 18			n.a.
W18	21 27	11 39	5 16	24 55	1 51	16 3	7 29	20 2	0 10	14 37	0 41	21 26	0 55	9 0	0 31	16 45	0 59	25 24	1 43	21 52	21 53	4 21			n.a.
T 19	21 16	16 55	5 13	24 47	1 54	16 4	7 30	20 12	0 9	14 38	0 41	21 25	0 55	9 0	0 31	16 46	0 59	25 25	1 43	21 52	21 53	4 24			n.a.
F 20	21 4	21 13	4 52	24 38	1 56	16 5	7 29	20 22	0 8	14 39	0 41	21 25	0 54	9 1	0 31	16 46	0 59	25 25	1 43	21 52	21 54	4 27			n.a.
S 21	20 53	24 17	4 15	24 27	1 58	16 7	7 28	20 31	0 7	14 40	0 40	21 25	0 54	9 1	0 31	16 47	0 59	25 25	1 43	21 52	21 54	4 30			n.a.
S 22	20 40	25 54	3 23	24 14	2 0	16 9	7 27	20 41	0 7	14 41	0 40	21 25	0 54	9 1	0 31	16 47	0 59	25 25	1 43	21 52	21 55	4 33			n.a.
M23	20 28	26 1	2 22	23 59	2 1	16 12	7 25	20 50	0 6	14 42	0 40	21 25	0 54	9 1	0 31	16 48	0 59	25 25	1 44	21 52	21 55	4 36			n.a.
T 24	20 15	24 40	1 14	23 42	2 2	16 15	7 22	20 59	0 5	14 43	0 40	21 25	0 54	9 1	0 31	16 48	0 59	25 25	1 44	21 52	21 56	4 39			n.a.
W25	20 1	22 2	0 4	23 24	2 3	16 18	7 18	21 8	0 4	14 44	0 39	21 24	0 54	9 1	0 31	16 49	0 59	25 25	1 44	21 52	21 56	4 42			n.a.
T 26	19 48	18 22	1 s 6	23 4	2 3	16 22	7 15	21 17	0 3	14 45	0 39	21 24	0 53	9 2	0 31	16 49	0 59	25 26	1 44	21 52	21 57	4 45			n.a.
F 27	19 34	13 57	2 11	22 42	2 2	16 27	7 10	21 26	0 2	14 47	0 39	21 24	0 53	9 2	0 31	16 50	0 59	25 26	1 44	21 52	21 57	4 48			n.a.
S 28	19 19	9 3	3 9	22 18	2 2	16 31	7 6	21 34	0 1	14 48	0 39	21 24	0 53	9 2	0 31	16 50	0 59	25 26	1 44	21 52	21 58	4 51			n.a.
S 29	19 4	3 53	3 58	21 52	2 0	16 36	7 1	21 42	0 0	14 49	0 38	21 24	0 53	9 2	0 31	16 51	0 59	25 26	1 44	21 53	21 58	4 54			n.a.
M30	18 49	1 s22	4 36	21 24	1 58	16 42	6 55	21 50	0 s 1	14 51	0 38	21 24	0 53	9 2	0 31	16 51	0 59	25 26	1 44	21 53	21 59	4 57			n.a.
T 31	18 s34	6 s32	5 s 1	20 s54	1 s56	16 s47	6n50	21 s58	0 s 1	14n52	0 s38	21n24	0 s52	9 s 2	0n31	16n52	1n 0	25 s26	1 s45	21 s53	21 s59	5 s 0			n.a.

Julian Day Number = 1646181.5, Delta T = 03h33m36s
Ecliptic obliquity = 23°43'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'46, Lahiri = - 6°47'46 Julian Calendar 1 Jan. 206 BCE == Greg. Calendar 28 Dec. 207 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

FEBRUARY 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 27 37	8♒41'28	16♎40	7♒43	5♑46	8♐59	11♉37	10°R20	24°R16	16°R59	27♐33	22°R 3	21♑25	1♎33	n.a.	W 1
T 2	8 31 34	9°41'33	28°35	9°37	5°59	9°42	11°42	10♊19	24♎16	16♌58	27°34	22♑ 2	21°21	1°40	n.a.	T 2
F 3	8 35 30	10°41'36	10♏37	11°31	6°13	10°25	11°46	10°17	24°15	16°56	27°36	22°D 1	21°18	1°47	n.a.	F 3
S 4	8 39 27	11°41'37	22°51	13°26	6°30	11° 7	11°51	10°16	24°15	16°54	27°37	22° 1	21°15	1°53	n.a.	S 4
S 5	8 43 23	12°41'36	5♐22	15°22	6°49	11°50	11°56	10°15	24°15	16°53	27°39	22° 3	21°12	2° 0	n.a.	S 5
M 6	8 47 20	13°41'34	18°13	17°18	7° 9	12°33	12° 1	10°14	24°15	16°51	27°40	22° 4	21° 9	2° 7	n.a.	M 6
T 7	8 51 17	14°41'30	1♑28	19°15	7°31	13°15	12° 7	10°14	24°15	16°49	27°42	22° 6	21° 6	2°14	n.a.	T 7
W 8	8 55 13	15°41'24	15° 9	21°13	7°56	13°58	12°12	10°13	24°14	16°48	27°43	22°R 7	21° 2	2°20	n.a.	W 8
T 9	8 59 10	16°41'16	29°14	23°10	8°21	14°41	12°18	10°12	24°14	16°46	27°45	22° 7	20°59	2°27	n.a.	T 9
F 10	9 3 6	17°41'06	13♒42	25° 8	8°49	15°23	12°24	10°12	24°13	16°44	27°46	22° 5	20°56	2°34	n.a.	F 10
S 11	9 7 3	18°40'54	28°26	27° 6	9°18	16° 6	12°30	10°12	24°13	16°43	27°48	22° 3	20°53	2°40	n.a.	S 11
S 12	9 10 59	19°40'40	13♓20	29° 3	9°49	16°49	12°36	10°11	24°12	16°41	27°49	21°59	20°50	2°47	n.a.	S 12
M13	9 14 56	20°40'24	28°15	1♓ 0	10°21	17°32	12°42	10°11	24°12	16°39	27°50	21°55	20°47	2°54	n.a.	M13
T 14	9 18 52	21°40'05	13♈ 3	2°55	10°54	18°14	12°49	10°D11	24°11	16°38	27°52	21°51	20°43	3° 1	n.a.	T 14
W15	9 22 49	22°39'44	27°36	4°50	11°29	18°57	12°55	10°11	24°10	16°36	27°53	21°48	20°40	3° 7	n.a.	W15
T 16	9 26 45	23°39'21	11♉52	6°42	12° 5	19°40	13° 2	10°11	24° 9	16°34	27°54	21°46	20°37	3°14	n.a.	T 16
F 17	9 30 42	24°38'55	25°46	8°32	12°42	20°23	13° 9	10°12	24° 9	16°33	27°55	21°D45	20°34	3°21	n.a.	F 17
S 18	9 34 39	25°38'27	9♊20	10°20	13°21	21° 6	13°16	10°12	24° 8	16°31	27°57	21°46	20°31	3°27	n.a.	S 18
S 19	9 38 35	26°37'56	22°35	12° 4	14° 0	21°48	13°24	10°13	24° 7	16°29	27°58	21°47	20°27	3°34	n.a.	S 19
M20	9 42 32	27°37'23	5♋33	13°45	14°41	22°31	13°31	10°13	24° 6	16°28	27°59	21°49	20°24	3°41	n.a.	M20
T 21	9 46 28	28°36'48	18°16	15°22	15°23	23°14	13°39	10°14	24° 5	16°26	28° 0	21°R50	20°21	3°48	n.a.	T 21
W22	9 50 25	29°36'10	0♌47	16°54	16° 6	23°57	13°46	10°15	24° 4	16°24	28° 1	21°50	20°18	3°54	n.a.	W22
T 23	9 54 21	0♓35'30	13° 8	18°22	16°50	24°40	13°54	10°16	24° 3	16°23	28° 2	21°48	20°15	4° 1	n.a.	T 23
F 24	9 58 18	1°34'48	25°20	19°44	17°35	25°22	14° 2	10°17	24° 2	16°21	28° 3	21°43	20°12	4° 8	n.a.	F 24
S 25	10 2 14	2°34'03	7♍24	21° 1	18°20	26° 5	14°10	10°18	24° 0	16°20	28° 5	21°37	20° 8	4°14	n.a.	S 25
S 26	10 6 11	3°33'17	19°24	22°12	19° 7	26°48	14°18	10°20	23°59	16°18	28° 6	21°30	20° 5	4°21	n.a.	S 26
M27	10 10 8	4°32'28	1♎18	23°16	19°54	27°31	14°27	10°21	23°58	16°17	28° 7	21°22	20° 2	4°28	n.a.	M27
T 28	10 14 4	5♓31'37	13♎11	24♓14	20♑42	28♐14	14♉35	10♊23	23♎56	16♌15	28♐ 8	21♑13	19♑59	4♎35	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s18	11s27	5s14	20s22	1s53	16s52	6n44	22s 6	0s 2	14n54	0s38	21n24	0s52	9s 2	0n31	16n52	1n 0	25s27	1s45	21s54	22s 0	5s 3		n.a.
T 2	18 2	15 58	5 13	19 49	1 50	16 58	6 37	22 13	0 3	14 56	0 38	21 24	0 52	9 2	0 31	16 53	1 0	25 27	1 45	21 54	22 0	5 6		n.a.
F 3	17 46	19 54	4 59	19 13	1 46	17 4	6 31	22 21	0 4	14 57	0 37	21 24	0 52	9 2	0 31	16 53	1 0	25 27	1 45	21 54	22 1	5 9		n.a.
S 4	17 29	23 4	4 31	18 36	1 41	17 10	6 24	22 28	0 5	14 59	0 37	21 24	0 52	9 2	0 31	16 54	1 0	25 27	1 45	21 54	22 1	5 12		n.a.
S 5	17 12	25 13	3 50	17 57	1 36	17 16	6 17	22 34	0 6	15 1	0 37	21 24	0 52	9 2	0 31	16 54	1 0	25 27	1 45	21 54	22 2	5 15		n.a.
M 6	16 55	26 7	2 56	17 15	1 30	17 22	6 10	22 41	0 7	15 3	0 37	21 24	0 51	9 1	0 31	16 55	1 0	25 27	1 45	21 53	22 2	5 18		n.a.
T 7	16 37	25 34	1 51	16 33	1 24	17 28	6 3	22 48	0 8	15 4	0 36	21 24	0 51	9 1	0 31	16 55	1 0	25 27	1 45	21 53	22 3	5 21		n.a.
W 8	16 19	23 29	0 38	15 48	1 16	17 34	5 56	22 54	0 9	15 6	0 36	21 24	0 51	9 1	0 31	16 56	1 0	25 28	1 46	21 53	22 3	5 24		n.a.
T 9	16 1	19 55	0n39	15 2	1 9	17 40	5 48	23 0	0 10	15 8	0 36	21 24	0 51	9 1	0 31	16 57	1 0	25 28	1 46	21 53	22 4	5 27		n.a.
F 10	15 43	15 4	1 56	14 15	1 1	17 45	5 41	23 6	0 11	15 10	0 36	21 24	0 51	9 1	0 32	16 57	1 0	25 28	1 46	21 53	22 4	5 30		n.a.
S 11	15 24	9 15	3 6	13 26	0 52	17 51	5 33	23 11	0 12	15 12	0 35	21 25	0 50	9 1	0 32	16 58	1 0	25 28	1 46	21 54	22 5	5 33		n.a.
S 12	15 5	2 52	4 5	12 36	0 42	17 57	5 25	23 17	0 13	15 15	0 35	21 25	0 50	9 0	0 32	16 58	1 0	25 28	1 46	21 54	22 5	5 36		n.a.
M13	14 46	3n40	4 47	11 45	0 32	18 2	5 18	23 22	0 14	15 17	0 35	21 25	0 50	9 0	0 32	16 59	1 0	25 28	1 46	21 55	22 6	5 39		n.a.
T 14	14 27	9 56	5 9	10 53	0 21	18 7	5 10	23 27	0 15	15 19	0 35	21 25	0 50	9 0	0 32	16 59	1 0	25 28	1 46	21 55	22 6	5 42		n.a.
W15	14 7	15 34	5 11	10 1	0 10	18 12	5 2	23 32	0 16	15 21	0 35	21 25	0 50	9 0	0 32	17 0	1 0	25 29	1 46	21 56	22 7	5 45		n.a.
T 16	13 48	20 13	4 54	9 8	0n 1	18 17	4 54	23 36	0 17	15 23	0 34	21 26	0 49	8 59	0 32	17 0	1 0	25 29	1 47	21 56	22 7	5 48		n.a.
F 17	13 28	23 37	4 19	8 15	0 14	18 21	4 46	23 40	0 18	15 26	0 34	21 26	0 49	8 59	0 32	17 1	1 0	25 29	1 47	21 56	22 8	5 51		n.a.
S 18	13 7	25 35	3 31	7 23	0 26	18 26	4 38	23 44	0 19	15 28	0 34	21 26	0 49	8 59	0 32	17 1	1 0	25 29	1 47	21 56	22 8	5 54		n.a.
S 19	12 47	26 3	2 33	6 31	0 39	18 29	4 31	23 48	0 21	15 31	0 34	21 26	0 49	8 58	0 32	17 2	1 0	25 29	1 47	21 56	22 9	5 57		n.a.
M20	12 26	25 4	1 28	5 40	0 51	18 33	4 23	23 52	0 22	15 33	0 33	21 27	0 49	8 58	0 32	17 2	1 0	25 29	1 47	21 56	22 9	6 0		n.a.
T 21	12 6	22 47	0 19	4 51	1 4	18 36	4 15	23 55	0 23	15 35	0 33	21 27	0 48	8 57	0 32	17 3	1 0	25 30	1 47	21 56	22 10	6 2		n.a.
W22	11 45	19 26	0s49	4 2	1 17	18 39	4 7	23 59	0 24	15 38	0 33	21 27	0 48	8 57	0 32	17 3	1 0	25 30	1 47	21 56	22 10	6 5		n.a.
T 23	11 24	15 16	1 53	3 16	1 30	18 42	3 59	24 2	0 25	15 41	0 33	21 28	0 48	8 57	0 32	17 4	1 0	25 30	1 47	21 56	22 10	6 8		n.a.
F 24	11 2	10 32	2 52	2 32	1 43	18 44	3 51	24 4	0 26	15 43	0 33	21 28	0 48	8 56	0 32	17 4	1 0	25 30	1 48	21 57	22 11	6 11		n.a.
S 25	10 41	5 28	3 42	1 50	1 56	18 46	3 43	24 7	0 27	15 46	0 32	21 28	0 48	8 56	0 32	17 5	1 0	25 30	1 48	21 58	22 11	6 14		n.a.
S 26	10 19	0 15	4 21	1 11	2 8	18 47	3 36	24 9	0 28	15 48	0 32	21 29	0 48	8 55	0 32	17 5	1 0	25 30	1 48	21 59	22 12	6 17		n.a.
M27	9 57	4s57	4 49	0 34	2 19	18 48	3 28	24 11	0 29	15 51	0 32	21 29	0 47	8 55	0 32	17 6	1 0	25 30	1 48	22 0	22 12	6 20		n.a.
T 28	9s36	9s56	5s 5	0s 1	2n30	18s48	3n20	24s13	0s31	15n54	0s32	21n29	0s47	8s54	0n32	17n 6	1n 0	25s31	1s48	22s 1	22s13	6s23		n.a.

Julian Day Number = 1646212.5, Delta T = 03h33m35s
Ecliptic obliquity = 23°43'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'42, Lahiri = - 6°47'42 Julian Calendar 1 Feb. 206 BCE == Greg. Calendar 28 Jan. 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

MARCH 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 18 1	6♓30'44	25♎ 3	25♓ 6	21♑31	28♐57	14♉44	10♊24	23°R55	16°R13	28♐ 9	21°R 6	19♑56	4♎41	n.a.	W 1
T 2	10 21 57	7°29'50	6♏58	25°50	22°21	29°40	14°52	10°26	23♎54	16♌12	28° 9	21♑ 0	19°53	4°48	n.a.	T 2
F 3	10 25 54	8°28'53	18°59	26°28	23°12	0♑23	15° 1	10°28	23°52	16°10	28°10	20°56	19°49	4°55	n.a.	F 3
S 4	10 29 50	9°27'55	1♐11	26°58	24° 3	1° 5	15°10	10°30	23°51	16° 9	28°11	20°54	19°46	5° 1	n.a.	S 4
S 5	10 33 47	10°26'55	13°37	27°21	24°55	1°48	15°19	10°32	23°49	16° 7	28°12	20°D53	19°43	5° 8	n.a.	S 5
M 6	10 37 43	11°25'53	26°23	27°37	25°47	2°31	15°29	10°34	23°48	16° 6	28°13	20°54	19°40	5°15	n.a.	M 6
T 7	10 41 40	12°24'49	9♑32	27°47	26°40	3°14	15°38	10°37	23°46	16° 4	28°14	20°55	19°37	5°22	n.a.	T 7
W 8	10 45 37	13°23'43	23° 9	27°R49	27°34	3°57	15°47	10°39	23°44	16° 3	28°14	20°R55	19°33	5°28	n.a.	W 8
T 9	10 49 33	14°22'36	7♒14	27°45	28°28	4°40	15°57	10°41	23°42	16° 2	28°15	20°54	19°30	5°35	n.a.	T 9
F 10	10 53 30	15°21'26	21°46	27°34	29°23	5°23	16° 6	10°44	23°41	16° 0	28°16	20°51	19°27	5°42	n.a.	F 10
S 11	10 57 26	16°20'15	6♓41	27°17	0♒18	6° 6	16°16	10°47	23°39	15°59	28°17	20°45	19°24	5°49	n.a.	S 11
S 12	11 1 23	17°19'01	21°52	26°55	1°14	6°49	16°26	10°50	23°37	15°57	28°17	20°38	19°21	5°55	n.a.	S 12
M13	11 5 19	18°17'45	7♈ 7	26°27	2°10	7°32	16°36	10°52	23°35	15°56	28°18	20°29	19°18	6° 2	n.a.	M13
T 14	11 9 16	19°16'28	22°15	25°55	3° 7	8°14	16°46	10°55	23°33	15°55	28°19	20°20	19°14	6° 9	n.a.	T 14
W15	11 13 12	20°15'08	7♉ 8	25°19	4° 4	8°57	16°56	10°59	23°31	15°53	28°19	20°13	19°11	6°15	n.a.	W15
T 16	11 17 9	21°13'45	21°39	24°40	5° 1	9°40	17° 7	11° 2	23°29	15°52	28°20	20° 7	19° 8	6°22	n.a.	T 16
F 17	11 21 5	22°12'21	5♊42	23°59	5°59	10°23	17°17	11° 5	23°27	15°51	28°20	20° 4	19° 5	6°29	n.a.	F 17
S 18	11 25 2	23°10'54	19°19	23°16	6°58	11° 6	17°28	11° 8	23°25	15°49	28°21	20°D 3	19° 2	6°36	n.a.	S 18
S 19	11 28 59	24° 9'25	2♋31	22°33	7°57	11°49	17°38	11°12	23°23	15°48	28°21	20° 3	18°59	6°42	n.a.	S 19
M20	11 32 55	25° 7'54	15°21	21°50	8°56	12°31	17°49	11°16	23°21	15°47	28°22	20°R 3	18°55	6°49	n.a.	M20
T 21	11 36 52	26° 6'20	27°53	21° 7	9°55	13°14	18° 0	11°19	23°19	15°46	28°22	20° 3	18°52	6°56	n.a.	T 21
W22	11 40 48	27° 4'44	10♌12	20°26	10°55	13°57	18°10	11°23	23°17	15°45	28°22	20° 1	18°49	7° 2	n.a.	W22
T 23	11 44 45	28° 3'06	22°20	19°48	11°55	14°40	18°21	11°27	23°15	15°44	28°23	19°57	18°46	7° 9	n.a.	T 23
F 24	11 48 41	29° 1'26	4♍22	19°12	12°56	15°23	18°32	11°31	23°13	15°42	28°23	19°50	18°43	7°16	n.a.	F 24
S 25	11 52 38	29°59'43	16°18	18°40	13°57	16° 5	18°43	11°35	23°10	15°41	28°23	19°40	18°39	7°23	n.a.	S 25
S 26	11 56 34	0♈57'59	28°12	18°12	14°58	16°48	18°55	11°39	23° 8	15°40	28°24	19°28	18°36	7°29	n.a.	S 26
M27	12 0 31	1°56'13	10♎ 5	17°47	15°59	17°31	19° 6	11°43	23° 6	15°39	28°24	19°15	18°33	7°36	n.a.	M27
T 28	12 4 28	2°54'25	21°58	17°28	17° 1	18°13	19°17	11°48	23° 4	15°38	28°24	19° 2	18°30	7°43	n.a.	T 28
W29	12 8 24	3°52'35	3♏52	17°13	18° 3	18°56	19°29	11°52	23° 1	15°37	28°24	18°49	18°27	7°49	n.a.	W29
T 30	12 12 21	4°50'44	15°50	17° 3	19° 5	19°39	19°40	11°56	22°59	15°36	28°24	18°39	18°24	7°56	n.a.	T 30
F 31	12 16 17	5♈48'51	27♏54	16♓58	20♒ 8	20♑21	19♉52	12♊ 1	22♎57	15♌35	28♐24	18♑31	18♑20	8♎ 3	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	9s14	14s33	5s 7	0n29	2n41	18s48	3n13	24s15	0s32	15n57	0s32	21n30	0s47	8s54	0n32	17n 7	1n 0	25s31	1s48	22s 3	22s13	6s26			n.a.
T 2	8 51	18 39	4 56	0 55	2 50	18 48	3 5	24 16	0 33	15 59	0 31	21 30	0 47	8 53	0 32	17 7	1 0	25 31	1 48	22 4	22 14	6 29			n.a.
F 3	8 29	22 1	4 32	1 18	2 59	18 47	2 58	24 17	0 34	16 2	0 31	21 31	0 47	8 53	0 32	17 7	1 0	25 31	1 49	22 4	22 14	6 32			n.a.
S 4	8 7	24 28	3 55	1 38	3 6	18 46	2 50	24 18	0 35	16 5	0 31	21 31	0 46	8 52	0 32	17 8	1 0	25 31	1 49	22 5	22 15	6 35			n.a.
S 5	7 44	25 48	3 7	1 53	3 13	18 44	2 43	24 19	0 36	16 8	0 31	21 32	0 46	8 51	0 32	17 8	1 0	25 31	1 49	22 5	22 15	6 37			n.a.
M 6	7 22	25 48	2 8	2 4	3 18	18 41	2 36	24 19	0 38	16 11	0 31	21 32	0 46	8 51	0 32	17 9	1 0	25 31	1 49	22 4	22 16	6 40			n.a.
T 7	6 59	24 23	1 1	2 12	3 23	18 39	2 28	24 20	0 39	16 14	0 31	21 33	0 46	8 50	0 32	17 9	1 0	25 32	1 49	22 4	22 16	6 43			n.a.
W 8	6 36	21 31	0n12	2 15	3 25	18 35	2 21	24 20	0 40	16 17	0 30	21 33	0 46	8 50	0 32	17 10	1 0	25 32	1 49	22 4	22 17	6 46			n.a.
T 9	6 13	17 17	1 26	2 15	3 27	18 31	2 14	24 20	0 41	16 19	0 30	21 34	0 46	8 49	0 32	17 10	1 0	25 32	1 49	22 4	22 17	6 49			n.a.
F 10	5 50	11 56	2 38	2 10	3 27	18 27	2 7	24 19	0 43	16 22	0 30	21 34	0 45	8 48	0 32	17 11	1 0	25 32	1 50	22 5	22 18	6 52			n.a.
S 11	5 27	5 46	3 40	2 2	3 25	18 22	2 0	24 18	0 44	16 25	0 30	21 35	0 45	8 48	0 32	17 11	1 0	25 32	1 50	22 6	22 18	6 55			n.a.
S 12	5 4	0n49	4 27	1 50	3 22	18 17	1 53	24 18	0 45	16 29	0 30	21 35	0 45	8 47	0 32	17 11	1 0	25 32	1 50	22 7	22 18	6 58			n.a.
M13	4 41	7 23	4 56	1 35	3 17	18 11	1 46	24 16	0 46	16 32	0 29	21 36	0 45	8 46	0 32	17 12	1 0	25 33	1 50	22 8	22 19	7 1			n.a.
T 14	4 18	13 27	5 4	1 16	3 10	18 5	1 40	24 15	0 48	16 35	0 29	21 37	0 45	8 45	0 32	17 12	1 0	25 33	1 50	22 10	22 19	7 4			n.a.
W15	3 54	18 38	4 51	0 54	3 3	17 58	1 33	24 14	0 49	16 38	0 29	21 37	0 44	8 45	0 32	17 13	1 0	25 33	1 50	22 11	22 20	7 6			n.a.
T 16	3 31	22 34	4 20	0 30	2 53	17 50	1 26	24 12	0 50	16 41	0 29	21 38	0 44	8 44	0 32	17 13	1 0	25 33	1 50	22 12	22 20	7 9			n.a.
F 17	3 8	25 1	3 34	0 4	2 42	17 42	1 20	24 10	0 51	16 44	0 29	21 38	0 44	8 43	0 32	17 13	1 0	25 33	1 51	22 12	22 21	7 12			n.a.
S 18	2 44	25 53	2 36	0s24	2 30	17 34	1 14	24 8	0 53	16 47	0 29	21 39	0 44	8 42	0 32	17 14	1 0	25 33	1 51	22 12	22 21	7 15			n.a.
S 19	2 21	25 14	1 32	0 54	2 17	17 25	1 7	24 5	0 54	16 50	0 28	21 40	0 44	8 42	0 32	17 14	1 0	25 33	1 51	22 12	22 22	7 18			n.a.
M20	1 57	23 15	0 25	1 24	2 3	17 15	1 1	24 2	0 55	16 53	0 28	21 40	0 44	8 41	0 32	17 14	1 0	25 34	1 51	22 12	22 22	7 21			n.a.
T 21	1 34	20 9	0s42	1 55	1 48	17 5	0 55	24 0	0 57	16 57	0 28	21 41	0 43	8 40	0 32	17 15	1 0	25 34	1 51	22 12	22 22	7 24			n.a.
W22	1 10	16 13	1 45	2 25	1 32	16 55	0 49	23 56	0 58	17 0	0 28	21 42	0 43	8 39	0 32	17 15	1 0	25 34	1 51	22 13	22 23	7 26			n.a.
T 23	0 47	11 40	2 43	2 55	1 16	16 44	0 43	23 53	0 59	17 3	0 28	21 43	0 43	8 38	0 32	17 15	1 0	25 34	1 51	22 13	22 23	7 29			n.a.
F 24	0 24	6 44	3 32	3 24	1 0	16 32	0 37	23 50	1 1	17 6	0 28	21 43	0 43	8 38	0 32	17 16	1 0	25 34	1 52	22 14	22 24	7 32			n.a.
S 25	0 0	1 36	4 12	3 52	0 43	16 20	0 31	23 46	1 2	17 10	0 27	21 44	0 43	8 37	0 32	17 16	1 0	25 34	1 52	22 16	22 24	7 35			n.a.
S 26	0n23	3s34	4 41	4 19	0 27	16 8	0 26	23 42	1 3	17 13	0 27	21 45	0 43	8 36	0 32	17 16	1 0	25 34	1 52	22 17	22 25	7 38			n.a.
M27	0 47	8 35	4 57	4 43	0 11	15 55	0 20	23 38	1 5	17 16	0 27	21 45	0 42	8 35	0 32	17 17	1 0	25 35	1 52	22 19	22 25	7 41			n.a.
T 28	1 10	13 17	5 0	5 5	0s 5	15 41	0 15	23 33	1 6	17 19	0 27	21 46	0 42	8 34	0 32	17 17	1 0	25 35	1 52	22 21	22 26	7 44			n.a.
W29	1 33	17 30	4 51	5 26	0 21	15 27	0 9	23 29	1 7	17 23	0 27	21 47	0 42	8 33	0 32	17 17	1 0	25 35	1 52	22 23	22 26	7 46			n.a.
T 30	1 57	21 2	4 28	5 44	0 36	15 13	0 4	23 24	1 9	17 26	0 27	21 48	0 42	8 32	0 32	17 18	1 0	25 35	1 52	22 24	22 26	7 49			n.a.
F 31	2n20	23s43	3s53	5s59	0s51	14s58	0s 1	23s19	1s10	17n29	0s26	21n48	0s42	8s32	0n32	17n18	1n 0	25s35	1s53	22s25	22s27	7s52			n.a.

Julian Day Number = 1646240.5, Delta T = 03h33m34s
Ecliptic obliquity = 23°43'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'38, Lahiri = - 6°47'38 Julian Calendar 1 March 206 BCE == Greg. Calendar 25 Feb. 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

APRIL 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 20 14	6♈46'56	10♐ 7	16°D57	21♒11	21♑ 4	20♉ 3	12♊ 6	22°R54	15°R34	28♐24	18°R26	18♑17	8♎10	n.a.	S 1
S 2	12 24 10	7°45'00	22°33	17♓ 2	22°14	21°47	20°15	12°10	22♎52	15♌33	28°25	18♑23	18°14	8°16	n.a.	S 2
M 3	12 28 7	8°43'03	5♑16	17°11	23°17	22°29	20°27	12°15	22°49	15°33	28°25	18°D23	18°11	8°23	n.a.	M 3
T 4	12 32 3	9°41'04	18°20	17°25	24°20	23°12	20°39	12°20	22°47	15°32	28°R25	18°R23	18° 8	8°30	n.a.	T 4
W 5	12 36 0	10°39'04	1♒49	17°43	25°24	23°54	20°51	12°25	22°45	15°31	28°25	18°22	18° 4	8°37	n.a.	W 5
T 6	12 39 57	11°37'02	15°46	18° 7	26°28	24°37	21° 3	12°30	22°42	15°30	28°24	18°20	18° 1	8°43	n.a.	T 6
F 7	12 43 53	12°34'58	0♓11	18°34	27°32	25°19	21°15	12°35	22°40	15°29	28°24	18°16	17°58	8°50	n.a.	F 7
S 8	12 47 50	13°32'54	15° 1	19° 5	28°37	26° 2	21°27	12°40	22°37	15°29	28°24	18° 9	17°55	8°57	n.a.	S 8
S 9	12 51 46	14°30'47	0♈10	19°41	29°41	26°44	21°39	12°46	22°35	15°28	28°24	18° 0	17°52	9° 3	n.a.	S 9
M10	12 55 43	15°28'40	15°29	20°20	0♓46	27°26	21°51	12°51	22°32	15°27	28°24	17°49	17°49	9°10	n.a.	M10
T 11	12 59 39	16°26'30	0♉46	21° 3	1°51	28° 9	22° 3	12°56	22°30	15°27	28°24	17°38	17°45	9°17	n.a.	T 11
W12	13 3 36	17°24'19	15°50	21°50	2°56	28°51	22°16	13° 2	22°27	15°26	28°24	17°28	17°42	9°24	n.a.	W12
T 13	13 7 32	18°22'07	0♊32	22°40	4° 1	29°33	22°28	13° 7	22°25	15°25	28°23	17°21	17°39	9°30	n.a.	T 13
F 14	13 11 29	19°19'53	14°45	23°34	5° 7	0♒15	22°41	13°13	22°22	15°25	28°23	17°16	17°36	9°37	n.a.	F 14
S 15	13 15 25	20°17'37	28°30	24°31	6°12	0°58	22°53	13°19	22°20	15°24	28°23	17°13	17°33	9°44	n.a.	S 15
S 16	13 19 22	21°15'19	11♋46	25°31	7°18	1°40	23° 6	13°24	22°17	15°24	28°22	17°12	17°30	9°50	n.a.	S 16
M17	13 23 19	22°13'00	24°37	26°34	8°24	2°22	23°18	13°30	22°15	15°24	28°22	17°12	17°26	9°57	n.a.	M17
T 18	13 27 15	23°10'38	7♌ 8	27°39	9°30	3° 4	23°31	13°36	22°12	15°23	28°22	17°12	17°23	10° 4	n.a.	T 18
W19	13 31 12	24° 8'16	19°22	28°48	10°36	3°46	23°44	13°42	22°10	15°23	28°21	17°10	17°20	10°11	n.a.	W19
T 20	13 35 8	25° 5'51	1♍26	29°59	11°43	4°28	23°57	13°48	22° 7	15°22	28°21	17° 5	17°17	10°17	n.a.	T 20
F 21	13 39 5	26° 3'25	13°22	1♈14	12°49	5° 9	24° 9	13°54	22° 5	15°22	28°20	16°58	17°14	10°24	n.a.	F 21
S 22	13 43 1	27° 0'57	25°15	2°31	13°56	5°51	24°22	14° 0	22° 2	15°22	28°20	16°48	17°10	10°31	n.a.	S 22
S 23	13 46 58	27°58'28	7♎ 6	3°50	15° 3	6°33	24°35	14° 6	22° 0	15°21	28°19	16°37	17° 7	10°38	n.a.	S 23
M24	13 50 54	28°55'58	18°59	5°12	16°10	7°15	24°48	14°13	21°57	15°21	28°19	16°23	17° 4	10°44	n.a.	M24
T 25	13 54 51	29°53'27	0♏55	6°37	17°17	7°56	25° 1	14°19	21°55	15°21	28°18	16°10	17° 1	10°51	n.a.	T 25
W26	13 58 48	0♉50'54	12°55	8° 4	18°24	8°38	25°14	14°25	21°52	15°21	28°18	15°57	16°58	10°58	n.a.	W26
T 27	14 2 44	1°48'20	25° 0	9°33	19°31	9°19	25°27	14°32	21°50	15°21	28°17	15°47	16°55	11° 4	n.a.	T 27
F 28	14 6 41	2°45'46	7♐12	11° 5	20°38	10° 1	25°40	14°38	21°47	15°21	28°16	15°39	16°51	11°11	n.a.	F 28
S 29	14 10 37	3°43'10	19°33	12°40	21°46	10°42	25°53	14°45	21°45	15°21	28°16	15°34	16°48	11°18	n.a.	S 29
S 30	14 14 34	4♉40'33	2♑ 6	14♈17	22♓54	11♒23	26♉ 6	14♊51	21♎42	15♌21	28♐15	15♑31	16♑45	11♎25	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n43	25s19	3s 8	6s12	1s 4	14s42	0s 6	23s14	1s12	17n33	0s26	21n49	0s42	8s31	0n32	17n18	0n59	25s35	1s53	22s26	22s27	7s55		n.a.
S 2	3 7	25 42	2 12	6 22	1 18	14 26	0 11	23 8	1 13	17 36	0 26	21 50	0 41	8 30	0 32	17 18	0 59	25 36	1 53	22 26	22 28	7 58		n.a.
M 3	3 30	24 46	1 9	6 30	1 30	14 10	0 16	23 3	1 14	17 39	0 26	21 51	0 41	8 29	0 32	17 19	0 59	25 36	1 53	22 27	22 28	8 1		n.a.
T 4	3 53	22 27	0 0	6 35	1 42	13 53	0 21	22 57	1 16	17 43	0 26	21 52	0 41	8 28	0 32	17 19	0 59	25 36	1 53	22 27	22 29	8 3		n.a.
W 5	4 16	18 51	1n10	6 38	1 52	13 36	0 25	22 51	1 17	17 46	0 26	21 52	0 41	8 27	0 32	17 19	0 59	25 36	1 53	22 27	22 29	8 6		n.a.
T 6	4 39	14 5	2 19	6 38	2 3	13 18	0 30	22 45	1 19	17 49	0 26	21 53	0 41	8 26	0 32	17 19	0 59	25 36	1 53	22 27	22 29	8 9		n.a.
F 7	5 2	8 24	3 22	6 36	2 12	13 0	0 34	22 38	1 20	17 53	0 25	21 54	0 41	8 25	0 32	17 19	0 59	25 36	1 54	22 28	22 30	8 12		n.a.
S 8	5 24	2 6	4 12	6 31	2 20	12 42	0 39	22 32	1 22	17 56	0 25	21 55	0 40	8 24	0 32	17 20	0 59	25 36	1 54	22 28	22 30	8 15		n.a.
S 9	5 47	4n26	4 46	6 24	2 28	12 23	0 43	22 25	1 23	17 59	0 25	21 56	0 40	8 23	0 32	17 20	0 59	25 37	1 54	22 30	22 31	8 18		n.a.
M10	6 10	10 46	5 0	6 14	2 35	12 4	0 47	22 18	1 24	18 3	0 25	21 56	0 40	8 22	0 32	17 20	0 59	25 37	1 54	22 31	22 31	8 20		n.a.
T 11	6 32	16 26	4 52	6 3	2 41	11 44	0 51	22 11	1 26	18 6	0 25	21 57	0 40	8 22	0 32	17 20	0 59	25 37	1 54	22 33	22 32	8 23		n.a.
W12	6 55	20 59	4 25	5 49	2 46	11 24	0 55	22 3	1 27	18 9	0 25	21 58	0 40	8 21	0 32	17 20	0 59	25 37	1 54	22 34	22 32	8 26		n.a.
T 13	7 17	24 5	3 40	5 33	2 51	11 3	0 58	21 56	1 29	18 13	0 25	21 59	0 40	8 20	0 32	17 21	0 59	25 37	1 54	22 35	22 32	8 29		n.a.
F 14	7 39	25 32	2 42	5 15	2 54	10 43	1 2	21 48	1 30	18 16	0 24	22 0	0 40	8 19	0 32	17 21	0 59	25 37	1 55	22 36	22 33	8 32		n.a.
S 15	8 1	25 20	1 37	4 55	2 57	10 21	1 6	21 40	1 32	18 19	0 24	22 1	0 39	8 18	0 32	17 21	0 59	25 37	1 55	22 36	22 33	8 34		n.a.
S 16	8 23	23 40	0 29	4 33	3 0	10 0	1 9	21 32	1 33	18 23	0 24	22 2	0 39	8 17	0 32	17 21	0 59	25 37	1 55	22 36	22 34	8 37		n.a.
M17	8 45	20 49	0s39	4 9	3 1	9 38	1 13	21 24	1 35	18 26	0 24	22 2	0 39	8 16	0 32	17 21	0 59	25 38	1 55	22 36	22 34	8 40		n.a.
T 18	9 7	17 3	1 43	3 43	3 2	9 16	1 16	21 16	1 36	18 29	0 24	22 3	0 39	8 15	0 32	17 21	0 59	25 38	1 55	22 36	22 35	8 43		n.a.
W19	9 28	12 38	2 41	3 16	3 2	8 53	1 19	21 7	1 38	18 33	0 24	22 4	0 39	8 14	0 32	17 21	0 59	25 38	1 55	22 36	22 35	8 46		n.a.
T 20	9 49	7 49	3 31	2 47	3 2	8 31	1 22	20 59	1 39	18 36	0 24	22 5	0 39	8 13	0 32	17 21	0 59	25 38	1 55	22 37	22 35	8 48		n.a.
F 21	10 11	2 46	4 11	2 16	3 1	8 8	1 25	20 50	1 41	18 39	0 23	22 6	0 39	8 12	0 32	17 21	0 59	25 38	1 56	22 38	22 36	8 51		n.a.
S 22	10 32	2s21	4 39	1 43	2 59	7 44	1 28	20 41	1 42	18 43	0 23	22 7	0 38	8 11	0 32	17 22	0 59	25 38	1 56	22 39	22 36	8 54		n.a.
S 23	10 53	7 22	4 56	1 9	2 56	7 21	1 30	20 32	1 44	18 46	0 23	22 8	0 38	8 10	0 32	17 22	0 59	25 38	1 56	22 40	22 37	8 57		n.a.
M24	11 13	12 8	5 0	0 33	2 53	6 57	1 33	20 23	1 45	18 49	0 23	22 9	0 38	8 9	0 32	17 22	0 59	25 39	1 56	22 42	22 37	8 59		n.a.
T 25	11 34	16 27	4 50	0n 4	2 50	6 33	1 35	20 13	1 47	18 52	0 23	22 9	0 38	8 8	0 32	17 22	0 59	25 39	1 56	22 44	22 37	9 2		n.a.
W26	11 54	20 9	4 28	0 42	2 45	6 8	1 38	20 4	1 49	18 56	0 23	22 10	0 38	8 8	0 32	17 22	0 59	25 39	1 56	22 45	22 38	9 5		n.a.
T 27	12 14	23 1	3 54	1 23	2 40	5 44	1 40	19 54	1 50	18 59	0 23	22 11	0 38	8 7	0 32	17 22	0 59	25 39	1 56	22 47	22 38	9 8		n.a.
F 28	12 34	24 51	3 8	2 4	2 35	5 19	1 42	19 44	1 52	19 2	0 23	22 12	0 38	8 6	0 32	17 22	0 59	25 39	1 57	22 47	22 39	9 10		n.a.
S 29	12 54	25 31	2 13	2 47	2 29	4 54	1 44	19 34	1 53	19 6	0 22	22 13	0 38	8 5	0 32	17 22	0 59	25 39	1 57	22 48	22 39	9 13		n.a.
S 30	13n14	24s53	1s11	3n31	2s22	4s28	1s46	19s24	1s55	19n 9	0s22	22n14	0s37	8s 4	0n32	17n22	0n59	25s39	1s57	22s48	22s39	9s16		n.a.

Julian Day Number = 1646271.5, Delta T = 03h33m33s
Ecliptic obliquity = 23°43'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'34, Lahiri = - 6°47'34 Julian Calendar 1 Apr. 206 BCE == Greg. Calendar 28 March 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

MAY 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 18 30	5♉37'56	14♋53	15♈56	24♓ 1	12♒ 5	26♉20	14♊58	21°R40	15°D21	28°R14	15°D30	16♋42	11♎31	n.a.	M 1
T 2	14 22 27	6°35'18	27°57	17°37	25° 9	12°46	26°33	15° 5	21♎38	15♏21	28♐13	15♋30	16°39	11°38	n.a.	T 2
W 3	14 26 23	7°32'39	11♒23	19°22	26°17	13°27	26°46	15°11	21°35	15°21	28°13	15°R31	16°35	11°45	n.a.	W 3
T 4	14 30 20	8°30'00	25°12	21° 8	27°25	14° 8	26°59	15°18	21°33	15°21	28°12	15°30	16°32	11°52	n.a.	T 4
F 5	14 34 17	9°27'20	9♓25	22°57	28°33	14°49	27°13	15°25	21°30	15°21	28°11	15°26	16°29	11°58	n.a.	F 5
S 6	14 38 13	10°24'39	24° 2	24°48	29°42	15°30	27°26	15°32	21°28	15°21	28°10	15°21	16°26	12° 5	n.a.	S 6
S 7	14 42 10	11°21'57	8♈57	26°42	0♈50	16°10	27°39	15°39	21°26	15°21	28° 9	15°13	16°23	12°12	n.a.	S 7
M 8	14 46 6	12°19'15	24° 3	28°37	1°58	16°51	27°53	15°46	21°23	15°21	28° 8	15° 5	16°20	12°18	n.a.	M 8
T 9	14 50 3	13°16'33	9♉11	0♉35	3° 7	17°32	28° 6	15°53	21°21	15°22	28° 8	14°55	16°16	12°25	n.a.	T 9
W10	14 53 59	14°13'49	24°10	2°35	4°16	18°12	28°20	16° 0	21°19	15°22	28° 7	14°47	16°13	12°32	n.a.	W10
T 11	14 57 56	15°11'05	8♊51	4°37	5°24	18°52	28°33	16° 7	21°17	15°22	28° 6	14°41	16°10	12°39	n.a.	T 11
F 12	15 1 52	16° 8'20	23° 8	6°41	6°33	19°33	28°47	16°14	21°14	15°23	28° 5	14°37	16° 7	12°45	n.a.	F 12
S 13	15 5 49	17° 5'35	6♋57	8°47	7°42	20°13	29° 0	16°21	21°12	15°23	28° 4	14°35	16° 4	12°52	n.a.	S 13
S 14	15 9 46	18° 2'48	20°18	10°54	8°51	20°53	29°14	16°28	21°10	15°23	28° 3	14°D35	16° 1	12°59	n.a.	S 14
M15	15 13 42	19° 0'01	3♌14	13° 3	10° 0	21°33	29°27	16°35	21° 8	15°24	28° 2	14°35	15°57	13° 5	n.a.	M15
T 16	15 17 39	19°57'12	15°47	15°12	11° 9	22°12	29°41	16°43	21° 6	15°24	28° 1	14°R36	15°54	13°12	n.a.	T 16
W17	15 21 35	20°54'23	28° 4	17°23	12°18	22°52	29°54	16°50	21° 4	15°25	28° 0	14°36	15°51	13°19	n.a.	W17
T 18	15 25 32	21°51'33	10♍ 7	19°34	13°28	23°32	0♊ 8	16°57	21° 2	15°25	27°58	14°34	15°48	13°26	n.a.	T 18
F 19	15 29 28	22°48'42	22° 3	21°45	14°37	24°11	0°21	17° 5	21° 0	15°26	27°57	14°30	15°45	13°32	n.a.	F 19
S 20	15 33 25	23°45'50	3♎55	23°57	15°46	24°50	0°35	17°12	20°58	15°27	27°56	14°24	15°41	13°39	n.a.	S 20
S 21	15 37 22	24°42'58	15°47	26° 8	16°56	25°30	0°48	17°19	20°56	15°27	27°55	14°17	15°38	13°46	n.a.	S 21
M22	15 41 18	25°40'06	27°43	28°19	18° 6	26° 9	1° 2	17°27	20°54	15°28	27°54	14° 8	15°35	13°53	n.a.	M22
T 23	15 45 15	26°37'13	9♏43	0♊29	19°15	26°48	1°16	17°34	20°52	15°29	27°53	13°59	15°32	13°59	n.a.	T 23
W24	15 49 11	27°34'19	21°51	2°38	20°25	27°26	1°29	17°42	20°50	15°29	27°52	13°51	15°29	14° 6	n.a.	W24
T 25	15 53 8	28°31'26	4♐ 7	4°46	21°35	28° 5	1°43	17°49	20°48	15°30	27°50	13°44	15°26	14°13	n.a.	T 25
F 26	15 57 4	29°28'32	16°33	6°53	22°45	28°44	1°56	17°57	20°47	15°31	27°49	13°39	15°22	14°19	n.a.	F 26
S 27	16 1 1	0♊25'38	29° 9	8°58	23°55	29°22	2°10	18° 5	20°45	15°32	27°48	13°36	15°19	14°26	n.a.	S 27
S 28	16 4 57	1°22'44	11♋56	11° 1	25° 5	0♓ 0	2°24	18°12	20°43	15°33	27°47	13°D35	15°16	14°33	n.a.	S 28
M29	16 8 54	2°19'50	24°56	13° 3	26°15	0°38	2°37	18°20	20°41	15°33	27°46	13°35	15°13	14°40	n.a.	M29
T 30	16 12 51	3°16'56	8♒11	15° 3	27°25	1°16	2°51	18°27	20°40	15°34	27°44	13°37	15°10	14°46	n.a.	T 30
W31	16 16 47	4♊14'02	21♒42	17♊ 1	28♈35	1♓54	3♊ 5	18♊35	20♎38	15♏35	27♐43	13♋38	15♋ 7	14♎53	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n33	22s56	0s 3	4n16	2s15	4s 3	1s48	19s14	1s56	19n12	0s22	22n15	0s37	8s 3	0n32	17n22	0n59	25s39	1s57	22s48	22s40	9s19		n.a.
T 2	13 52	19 44	1n 6	5 2	2 8	3 37	1 50	19 4	1 58	19 15	0 22	22 16	0 37	8 2	0 32	17 22	0 59	25 40	1 57	22 48	22 40	9 21		n.a.
W 3	14 11	15 26	2 13	5 49	2 0	3 12	1 51	18 53	1 59	19 18	0 22	22 16	0 37	8 1	0 32	17 22	0 59	25 40	1 57	22 48	22 41	9 24		n.a.
T 4	14 30	10 13	3 15	6 38	1 51	2 46	1 53	18 43	2 1	19 22	0 22	22 17	0 37	8 0	0 32	17 22	0 59	25 40	1 57	22 49	22 41	9 27		n.a.
F 5	14 49	4 20	4 6	7 27	1 42	2 19	1 54	18 32	2 3	19 25	0 22	22 18	0 37	7 59	0 32	17 22	0 59	25 40	1 57	22 49	22 41	9 30		n.a.
S 6	15 7	1n55	4 43	8 17	1 33	1 53	1 56	18 21	2 4	19 28	0 22	22 19	0 37	7 59	0 32	17 21	0 59	25 40	1 58	22 50	22 42	9 32		n.a.
S 7	15 25	8 12	5 2	9 7	1 23	1 27	1 57	18 10	2 6	19 31	0 21	22 20	0 36	7 58	0 32	17 21	0 59	25 40	1 58	22 50	22 42	9 35		n.a.
M 8	15 43	14 4	5 0	9 58	1 13	1 0	1 58	17 59	2 7	19 34	0 21	22 21	0 36	7 57	0 32	17 21	0 59	25 40	1 58	22 51	22 43	9 38		n.a.
T 9	16 0	19 5	4 37	10 50	1 3	0 34	1 59	17 48	2 9	19 38	0 21	22 22	0 36	7 56	0 32	17 21	0 59	25 40	1 58	22 52	22 43	9 41		n.a.
W10	16 18	22 50	3 55	11 42	0 52	0 7	2 0	17 37	2 10	19 41	0 21	22 23	0 36	7 55	0 32	17 21	0 59	25 41	1 58	22 53	22 43	9 43		n.a.
T 11	16 35	24 59	2 59	12 34	0 42	0n20	2 1	17 26	2 12	19 44	0 21	22 23	0 36	7 54	0 32	17 21	0 59	25 41	1 58	22 54	22 44	9 46		n.a.
F 12	16 52	25 24	1 52	13 25	0 31	0 47	2 1	17 15	2 14	19 47	0 21	22 24	0 36	7 54	0 32	17 21	0 59	25 41	1 58	22 55	22 44	9 49		n.a.
S 13	17 8	24 13	0 41	14 17	0 20	1 14	2 2	17 3	2 15	19 50	0 21	22 25	0 36	7 53	0 32	17 21	0 59	25 41	1 59	22 55	22 44	9 51		n.a.
S 14	17 24	21 40	0s31	15 8	0 9	1 41	2 2	16 52	2 17	19 53	0 21	22 26	0 36	7 52	0 32	17 21	0 59	25 41	1 59	22 55	22 45	9 54		n.a.
M15	17 40	18 4	1 38	15 58	0n 2	2 8	2 3	16 40	2 18	19 56	0 21	22 27	0 36	7 51	0 32	17 20	0 59	25 41	1 59	22 55	22 45	9 57		n.a.
T 16	17 56	13 45	2 39	16 47	0 12	2 35	2 3	16 29	2 20	19 59	0 20	22 28	0 35	7 50	0 32	17 20	0 59	25 41	1 59	22 55	22 46	10 0		n.a.
W17	18 12	8 59	3 31	17 35	0 23	3 2	2 3	16 17	2 22	20 2	0 20	22 29	0 35	7 50	0 32	17 20	0 59	25 41	1 59	22 55	22 46	10 2		n.a.
T 18	18 27	3 58	4 13	18 21	0 33	3 29	2 4	16 5	2 23	20 5	0 20	22 29	0 35	7 49	0 32	17 20	0 59	25 41	1 59	22 55	22 46	10 5		n.a.
F 19	18 41	1s 9	4 43	19 6	0 43	3 56	2 4	15 53	2 25	20 8	0 20	22 30	0 35	7 48	0 32	17 20	0 59	25 42	1 59	22 55	22 47	10 8		n.a.
S 20	18 56	6 10	5 1	19 49	0 52	4 23	2 4	15 41	2 27	20 11	0 20	22 31	0 35	7 47	0 32	17 19	0 58	25 42	1 59	22 56	22 47	10 10		n.a.
S 21	19 10	10 59	5 6	20 30	1 1	4 50	2 3	15 30	2 28	20 14	0 20	22 32	0 35	7 47	0 31	17 19	0 58	25 42	2 0	22 57	22 48	10 13		n.a.
M22	19 24	15 24	4 58	21 9	1 9	5 17	2 3	15 18	2 30	20 17	0 20	22 33	0 35	7 46	0 31	17 19	0 58	25 42	2 0	22 58	22 48	10 16		n.a.
T 23	19 38	19 15	4 36	21 45	1 17	5 44	2 3	15 6	2 31	20 20	0 20	22 33	0 35	7 45	0 31	17 19	0 58	25 42	2 0	22 59	22 48	10 18		n.a.
W24	19 51	22 20	4 2	22 19	1 24	6 11	2 2	14 54	2 33	20 23	0 20	22 34	0 35	7 45	0 31	17 19	0 58	25 42	2 0	22 59	22 49	10 21		n.a.
T 25	20 4	24 26	3 17	22 50	1 31	6 38	2 2	14 41	2 35	20 26	0 19	22 35	0 34	7 44	0 31	17 18	0 58	25 42	2 0	23 0	22 49	10 24		n.a.
F 26	20 16	25 22	2 21	23 18	1 37	7 4	2 1	14 29	2 36	20 29	0 19	22 36	0 34	7 43	0 31	17 18	0 58	25 42	2 0	23 1	22 49	10 26		n.a.
S 27	20 29	25 0	1 17	23 44	1 42	7 31	2 1	14 17	2 38	20 31	0 19	22 37	0 34	7 43	0 31	17 18	0 58	25 42	2 0	23 1	22 50	10 29		n.a.
S 28	20 41	23 20	0 9	24 7	1 46	7 58	2 0	14 5	2 39	20 34	0 19	22 37	0 34	7 42	0 31	17 18	0 58	25 43	2 0	23 1	22 50	10 32		n.a.
M29	20 52	20 23	1n 1	24 27	1 50	8 24	1 59	13 53	2 41	20 37	0 19	22 38	0 34	7 41	0 31	17 17	0 58	25 43	2 1	23 1	22 50	10 34		n.a.
T 30	21 4	16 21	2 9	24 45	1 53	8 50	1 58	13 41	2 43	20 40	0 19	22 39	0 34	7 41	0 31	17 17	0 58	25 43	2 1	23 1	22 51	10 37		n.a.
W31	21n14	11s25	3n12	25n 0	1n56	9n16	1s57	13s28	2s44	20n43	0s19	22n40	0s34	7s40	0n31	17n17	0n58	25s43	2s 1	23s 1	22s51	10s40		n.a.

Julian Day Number = 1646301.5, Delta T = 03h33m32s
Ecliptic obliquity = 23°43'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'30, Lahiri = - 6°47'29 Julian Calendar 1 May 206 BCE == Greg. Calendar 27 Apr. 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

JUNE 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 20 44	5♊11'09	5♓30	18♊57	29♈45	2♓32	3♊18	18♊43	20°R37	15♑36	27°R42	13°R39	15♉ 3	15♎ 0	n.a.	T 1
F 2	16 24 40	6° 8'16	19°35	20°51	0♉56	3° 9	3°32	18°50	20♎35	15°37	27♐40	13♉38	15° 0	15° 7	n.a.	F 2
S 3	16 28 37	7° 5'23	3♈58	22°44	2° 6	3°46	3°45	18°58	20°34	15°38	27°39	13°36	14°57	15°13	n.a.	S 3
S 4	16 32 33	8° 2'30	18°33	24°34	3°16	4°23	3°59	19° 6	20°32	15°39	27°38	13°32	14°54	15°20	n.a.	S 4
M 5	16 36 30	8°59'38	3♉17	26°22	4°27	5° 0	4°13	19°14	20°31	15°40	27°36	13°27	14°51	15°27	n.a.	M 5
T 6	16 40 26	9°56'46	18° 3	28° 8	5°38	5°37	4°26	19°21	20°30	15°42	27°35	13°22	14°47	15°33	n.a.	T 6
W 7	16 44 23	10°53'55	2♊43	29°52	6°48	6°13	4°40	19°29	20°28	15°43	27°34	13°18	14°44	15°40	n.a.	W 7
T 8	16 48 20	11°51'04	17°10	1♋34	7°59	6°49	4°53	19°37	20°27	15°44	27°32	13°15	14°41	15°47	n.a.	T 8
F 9	16 52 16	12°48'13	1♋17	3°14	9°10	7°26	5° 7	19°45	20°26	15°45	27°31	13°13	14°38	15°54	n.a.	F 9
S 10	16 56 13	13°45'22	15° 3	4°52	10°21	8° 1	5°20	19°52	20°25	15°46	27°30	13°D12	14°35	16° 0	n.a.	S 10
S 11	17 0 9	14°42'31	28°23	6°28	11°32	8°37	5°34	20° 0	20°23	15°48	27°28	13°13	14°32	16° 7	n.a.	S 11
M12	17 4 6	15°39'41	11♌21	8° 2	12°43	9°12	5°47	20° 8	20°22	15°49	27°27	13°14	14°28	16°14	n.a.	M12
T 13	17 8 2	16°36'50	23°57	9°33	13°54	9°48	6° 1	20°16	20°21	15°50	27°25	13°16	14°25	16°21	n.a.	T 13
W14	17 11 59	17°34'00	6♍16	11° 3	15° 5	10°22	6°14	20°24	20°20	15°51	27°24	13°17	14°22	16°27	n.a.	W14
T 15	17 15 56	18°31'09	18°22	12°31	16°16	10°57	6°28	20°31	20°19	15°53	27°23	13°R18	14°19	16°34	n.a.	T 15
F 16	17 19 52	19°28'19	0♎19	13°56	17°27	11°32	6°41	20°39	20°19	15°54	27°21	13°17	14°16	16°41	n.a.	F 16
S 17	17 23 49	20°25'30	12°12	15°19	18°38	12° 6	6°55	20°47	20°18	15°56	27°20	13°16	14°13	16°47	n.a.	S 17
S 18	17 27 45	21°22'40	24° 6	16°41	19°49	12°40	7° 8	20°55	20°17	15°57	27°18	13°13	14° 9	16°54	n.a.	S 18
M19	17 31 42	22°19'51	6♏ 4	17°59	21° 1	13°13	7°21	21° 3	20°16	15°59	27°17	13°10	14° 6	17° 1	n.a.	M19
T 20	17 35 38	23°17'02	18°10	19°16	22°12	13°47	7°35	21°10	20°15	16° 0	27°15	13° 7	14° 3	17° 8	n.a.	T 20
W21	17 39 35	24°14'14	0♐26	20°30	23°24	14°20	7°48	21°18	20°15	16° 2	27°14	13° 4	14° 0	17°14	n.a.	W21
T 22	17 43 31	25°11'26	12°54	21°42	24°35	14°53	8° 1	21°26	20°14	16° 3	27°13	13° 2	13°57	17°21	n.a.	T 22
F 23	17 47 28	26° 8'39	25°35	22°52	25°47	15°25	8°15	21°34	20°14	16° 5	27°11	13° 0	13°53	17°28	n.a.	F 23
S 24	17 51 25	27° 5'53	8♑30	23°58	26°58	15°58	8°28	21°42	20°13	16° 6	27°10	13°D 0	13°50	17°34	n.a.	S 24
S 25	17 55 21	28° 3'08	21°39	25° 3	28°10	16°30	8°41	21°49	20°13	16° 8	27° 8	13° 0	13°47	17°41	n.a.	S 25
M26	17 59 18	29° 0'23	5♒ 1	26° 4	29°22	17° 1	8°54	21°57	20°12	16° 9	27° 7	13° 0	13°44	17°48	n.a.	M26
T 27	18 3 14	29°57'40	18°36	27° 3	0♊33	17°33	9° 7	22° 5	20°12	16°11	27° 5	13° 1	13°41	17°55	n.a.	T 27
W28	18 7 11	0♋54'57	2♓22	27°58	1°45	18° 4	9°20	22°13	20°12	16°13	27° 4	13° 2	13°38	18° 1	n.a.	W28
T 29	18 11 7	1°52'16	16°19	28°51	2°57	18°35	9°34	22°21	20°11	16°14	27° 3	13° 3	13°34	18° 8	n.a.	T 29
F 30	18 15 4	2♋49'35	0♈26	29♋40	4♊ 9	19♓ 5	9♊47	22♊28	20♎11	16♑16	27♐ 1	13°R 3	13♉31	18♎15	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n25	5s49	4n 5	25n12	1n57	9n42	1s56	13s16	2s46	20n45	0s19	22n40	0s34	7s40	0n31	17n16	0n58	25s43	2s 1	23s 1	22s52	10s42		n.a.
F 2	21 35	0n11	4 44	25 22	1 58	10 8	1 55	13 4	2 48	20 48	0 19	22 41	0 34	7 39	0 31	17 16	0 58	25 43	2 1	23 1	22 52	10 45		n.a.
S 3	21 45	6 16	5 7	25 30	1 59	10 34	1 54	12 52	2 49	20 51	0 19	22 42	0 33	7 39	0 31	17 16	0 58	25 43	2 1	23 1	22 52	10 48		n.a.
S 4	21 54	12 7	5 10	25 35	1 58	10 59	1 53	12 40	2 51	20 53	0 18	22 43	0 33	7 38	0 31	17 15	0 58	25 43	2 1	23 1	22 53	10 50		n.a.
M 5	22 3	17 20	4 53	25 37	1 57	11 25	1 51	12 27	2 52	20 56	0 18	22 43	0 33	7 38	0 31	17 15	0 58	25 43	2 1	23 2	22 53	10 53		n.a.
T 6	22 12	21 30	4 16	25 38	1 56	11 50	1 50	12 15	2 54	20 59	0 18	22 44	0 33	7 37	0 31	17 15	0 58	25 43	2 1	23 2	22 53	10 56		n.a.
W 7	22 20	24 16	3 23	25 37	1 53	12 15	1 48	12 3	2 56	21 1	0 18	22 45	0 33	7 37	0 31	17 14	0 58	25 43	2 2	23 3	22 54	10 58		n.a.
T 8	22 28	25 22	2 17	25 33	1 50	12 39	1 47	11 51	2 57	21 4	0 18	22 46	0 33	7 36	0 31	17 14	0 58	25 43	2 2	23 3	22 54	11 1		n.a.
F 9	22 36	24 48	1 5	25 28	1 47	13 3	1 45	11 39	2 59	21 7	0 18	22 46	0 33	7 36	0 31	17 14	0 58	25 44	2 2	23 3	22 54	11 3		n.a.
S 10	22 43	22 42	0s10	25 21	1 43	13 28	1 43	11 27	3 0	21 9	0 18	22 47	0 33	7 35	0 31	17 13	0 58	25 44	2 2	23 3	22 55	11 6		n.a.
S 11	22 50	19 23	1 22	25 12	1 38	13 51	1 42	11 14	3 2	21 12	0 18	22 48	0 33	7 35	0 31	17 13	0 58	25 44	2 2	23 3	22 55	11 9		n.a.
M12	22 56	15 12	2 28	25 2	1 33	14 15	1 40	11 2	3 4	21 14	0 18	22 48	0 33	7 34	0 31	17 12	0 58	25 44	2 2	23 3	22 55	11 11		n.a.
T 13	23 2	10 28	3 25	24 50	1 28	14 38	1 38	10 50	3 5	21 17	0 18	22 49	0 33	7 34	0 31	17 12	0 58	25 44	2 2	23 3	22 56	11 14		n.a.
W14	23 8	5 26	4 11	24 37	1 22	15 1	1 36	10 39	3 7	21 19	0 18	22 50	0 32	7 34	0 31	17 12	0 58	25 44	2 2	23 3	22 56	11 17		n.a.
T 15	23 13	0 17	4 45	24 22	1 15	15 24	1 34	10 27	3 9	21 21	0 17	22 50	0 32	7 33	0 31	17 11	0 58	25 44	2 2	23 3	22 56	11 19		n.a.
F 16	23 18	4s48	5 6	24 7	1 8	15 46	1 32	10 15	3 10	21 24	0 17	22 51	0 32	7 33	0 31	17 11	0 58	25 44	2 2	23 3	22 57	11 22		n.a.
S 17	23 22	9 41	5 14	23 50	1 0	16 8	1 30	10 3	3 12	21 26	0 17	22 52	0 32	7 33	0 31	17 10	0 58	25 44	2 3	23 3	22 57	11 24		n.a.
S 18	23 26	14 13	5 8	23 32	0 52	16 29	1 28	9 51	3 13	21 29	0 17	22 52	0 32	7 33	0 31	17 10	0 58	25 44	2 3	23 3	22 58	11 27		n.a.
M19	23 30	18 15	4 50	23 13	0 44	16 51	1 26	9 40	3 15	21 31	0 17	22 53	0 32	7 32	0 31	17 9	0 58	25 44	2 3	23 4	22 58	11 30		n.a.
T 20	23 33	21 33	4 18	22 54	0 35	17 11	1 24	9 28	3 17	21 33	0 17	22 54	0 32	7 32	0 31	17 9	0 58	25 44	2 3	23 4	22 58	11 32		n.a.
W21	23 36	23 57	3 33	22 34	0 26	17 32	1 21	9 17	3 18	21 35	0 17	22 54	0 32	7 32	0 31	17 8	0 58	25 44	2 3	23 4	22 59	11 35		n.a.
T 22	23 38	25 14	2 38	22 13	0 16	17 52	1 19	9 5	3 20	21 38	0 17	22 55	0 32	7 32	0 31	17 8	0 58	25 44	2 3	23 4	22 59	11 37		n.a.
F 23	23 40	25 13	1 35	21 52	0 6	18 11	1 17	8 54	3 21	21 40	0 17	22 55	0 32	7 31	0 31	17 7	0 58	25 45	2 3	23 5	22 59	11 40		n.a.
S 24	23 41	23 51	0 25	21 30	0s 4	18 30	1 14	8 42	3 23	21 42	0 17	22 56	0 32	7 31	0 30	17 7	0 58	25 45	2 3	23 5	23 0	11 42		n.a.
S 25	23 42	21 10	0n48	21 8	0 14	18 49	1 12	8 31	3 24	21 44	0 17	22 56	0 32	7 31	0 30	17 6	0 58	25 45	2 3	23 5	23 0	11 45		n.a.
M26	23 43	17 19	1 59	20 46	0 25	19 7	1 9	8 20	3 26	21 46	0 16	22 57	0 31	7 31	0 30	17 6	0 58	25 45	2 3	23 5	23 0	11 48		n.a.
T 27	23 43	12 31	3 4	20 24	0 37	19 25	1 7	8 9	3 28	21 49	0 16	22 58	0 31	7 31	0 30	17 5	0 58	25 45	2 4	23 4	23 1	11 50		n.a.
W28	23 43	7 1	4 0	20 1	0 48	19 42	1 4	7 58	3 29	21 51	0 16	22 58	0 31	7 31	0 30	17 5	0 58	25 45	2 4	23 4	23 1	11 53		n.a.
T 29	23 42	1 7	4 43	19 39	1 0	19 59	1 2	7 48	3 31	21 53	0 16	22 59	0 31	7 31	0 30	17 4	0 58	25 45	2 4	23 4	23 1	11 55		n.a.
F 30	23n41	4n53	5n 9	19n17	1s12	20n15	0s59	7s37	3s32	21n55	0s16	22n59	0s31	7s31	0n30	17n 4	0n58	25s45	2s 4	23s 4	23s 1	11s58		n.a.

Julian Day Number = 1646332.5, Delta T = 03h33m31s
Ecliptic obliquity = 23°43'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'26, Lahiri = - 6°47'25 Julian Calendar 1 June 206 BCE == Greg. Calendar 28 May 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

JULY 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 19 0	3♋46'56	14♈40	0♌26	5♊21	19♓35	10♊ 0	22♊36	20°R11	16♌18	27°R 0	13°R 3	13♑28	18♎22	n.a.	S 1
S 2	18 22 57	4°44'18	29° 0	1° 9	6°33	20° 5	10°13	22°44	20♎11	16°20	26♐58	13♑ 3	13°25	18°28	n.a.	S 2
M 3	18 26 54	5°41'42	13♉21	1°48	7°45	20°34	10°25	22°51	20°D11	16°21	26°57	13° 2	13°22	18°35	n.a.	M 3
T 4	18 30 50	6°39'07	27°40	2°22	8°58	21° 3	10°38	22°59	20°11	16°23	26°55	13° 1	13°19	18°42	n.a.	T 4
W 5	18 34 47	7°36'33	11♊53	2°53	10°10	21°32	10°51	23° 7	20°11	16°25	26°54	13° 1	13°15	18°48	n.a.	W 5
T 6	18 38 43	8°34'01	25°55	3°20	11°22	22° 0	11° 4	23°14	20°11	16°27	26°53	13° 0	13°12	18°55	n.a.	T 6
F 7	18 42 40	9°31'30	9♋43	3°42	12°34	22°28	11°17	23°22	20°11	16°29	26°51	13°D 0	13° 9	19° 2	n.a.	F 7
S 8	18 46 36	10°29'00	23°14	4° 0	13°47	22°55	11°29	23°30	20°11	16°31	26°50	13° 0	13° 6	19° 9	n.a.	S 8
S 9	18 50 33	11°26'30	6♌26	4°12	14°59	23°22	11°42	23°37	20°12	16°33	26°48	13° 0	13° 3	19°15	n.a.	S 9
M10	18 54 30	12°24'02	19°18	4°20	16°12	23°49	11°55	23°45	20°12	16°34	26°47	13° 0	12°59	19°22	n.a.	M10
T 11	18 58 26	13°21'35	1♍53	4°R22	17°24	24°15	12° 7	23°52	20°12	16°36	26°46	13°R 0	12°56	19°29	n.a.	T 11
W12	19 2 23	14°19'09	14°13	4°19	18°37	24°40	12°20	24° 0	20°13	16°38	26°44	13° 0	12°53	19°36	n.a.	W12
T 13	19 6 19	15°16'44	26°19	4°11	19°50	25° 5	12°32	24° 7	20°13	16°40	26°43	13° 0	12°50	19°42	n.a.	T 13
F 14	19 10 16	16°14'20	8♎17	3°57	21° 2	25°30	12°44	24°15	20°14	16°42	26°42	13° 0	12°47	19°49	n.a.	F 14
S 15	19 14 12	17°11'58	20°11	3°38	22°15	25°54	12°57	24°22	20°14	16°44	26°40	13°D 0	12°44	19°56	n.a.	S 15
S 16	19 18 9	18° 9'36	2♏ 5	3°13	23°28	26°18	13° 9	24°30	20°15	16°46	26°39	13° 0	12°40	20° 2	n.a.	S 16
M17	19 22 5	19° 7'16	14° 4	2°43	24°41	26°41	13°21	24°37	20°16	16°48	26°38	13° 1	12°37	20° 9	n.a.	M17
T 18	19 26 2	20° 4'56	26°13	2° 8	25°54	27° 4	13°33	24°44	20°17	16°50	26°36	13° 1	12°34	20°16	n.a.	T 18
W19	19 29 58	21° 2'38	8♐34	1°28	27° 6	27°26	13°45	24°52	20°17	16°52	26°35	13° 2	12°31	20°23	n.a.	W19
T 20	19 33 55	22° 0'22	21°11	0°44	28°19	27°48	13°57	24°59	20°18	16°54	26°34	13° 3	12°28	20°29	n.a.	T 20
F 21	19 37 52	22°58'06	4♑ 6	29♋57	29°33	28° 9	14° 9	25° 6	20°19	16°56	26°33	13° 3	12°25	20°36	n.a.	F 21
S 22	19 41 48	23°55'52	17°19	29° 6	0♋46	28°29	14°21	25°13	20°20	16°58	26°31	13°R 3	12°21	20°43	n.a.	S 22
S 23	19 45 45	24°53'40	0♒51	28°14	1°59	28°49	14°33	25°21	20°21	17° 1	26°30	13° 3	12°18	20°49	n.a.	S 23
M24	19 49 41	25°51'29	14°40	27°21	3°12	29° 9	14°45	25°28	20°22	17° 3	26°29	13° 2	12°15	20°56	n.a.	M24
T 25	19 53 38	26°49'20	28°42	26°27	4°25	29°27	14°57	25°35	20°23	17° 5	26°28	13° 0	12°12	21° 3	n.a.	T 25
W26	19 57 34	27°47'13	12♓53	25°35	5°38	29°46	15° 8	25°42	20°24	17° 7	26°27	12°58	12° 9	21°10	n.a.	W26
T 27	20 1 31	28°45'07	27°10	24°45	6°52	0♈ 3	15°20	25°49	20°25	17° 9	26°25	12°57	12° 5	21°16	n.a.	T 27
F 28	20 5 28	29°43'03	11♈28	23°59	8° 5	0°20	15°31	25°56	20°27	17°11	26°24	12°55	12° 2	21°23	n.a.	F 28
S 29	20 9 24	0♌41'02	25°45	23°16	9°19	0°36	15°43	26° 3	20°28	17°13	26°23	12°D55	11°59	21°30	n.a.	S 29
S 30	20 13 21	1°39'02	9♉56	22°39	10°32	0°52	15°54	26°10	20°29	17°15	26°22	12°55	11°56	21°37	n.a.	S 30
M31	20 17 17	2♌37'05	24♉ 1	22♋ 9	11♋46	1♈ 7	16♊ 5	26♊16	20♎31	17♌18	26♐21	12♑56	11♑53	21♎43	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n40	10n42	5n16	18n55	1s24	20n31	0s57	7s26	3s34	21n57	0s16	23n 0	0s31	7s31	0n30	17n 3	0n58	25s45	2s 4	23s 4	23s 2	12s 0		n.a.
S 2	23 38	15 58	5 4	18 34	1 37	20 46	0 54	7 16	3 35	21 59	0 16	23 0	0 31	7 31	0 30	17 3	0 58	25 45	2 4	23 4	23 2	12 3		n.a.
M 3	23 36	20 22	4 33	18 13	1 49	21 1	0 52	7 6	3 37	22 1	0 16	23 1	0 31	7 31	0 30	17 2	0 58	25 45	2 4	23 4	23 2	12 5		n.a.
T 4	23 33	23 32	3 45	17 53	2 2	21 15	0 49	6 55	3 38	22 3	0 16	23 1	0 31	7 31	0 30	17 2	0 58	25 45	2 4	23 4	23 3	12 8		n.a.
W 5	23 30	25 11	2 44	17 34	2 15	21 28	0 46	6 45	3 40	22 5	0 16	23 2	0 31	7 31	0 30	17 1	0 58	25 45	2 4	23 5	23 3	12 10		n.a.
T 6	23 26	25 13	1 33	17 15	2 27	21 41	0 44	6 36	3 41	22 7	0 16	23 2	0 31	7 31	0 30	17 0	0 58	25 45	2 4	23 5	23 3	12 13		n.a.
F 7	23 22	23 40	0 18	16 58	2 40	21 54	0 41	6 26	3 43	22 8	0 15	23 3	0 31	7 31	0 30	17 0	0 58	25 45	2 4	23 5	23 4	12 16		n.a.
S 8	23 18	20 46	0s56	16 41	2 52	22 6	0 38	6 16	3 45	22 10	0 15	23 3	0 30	7 31	0 30	16 59	0 58	25 45	2 4	23 5	23 4	12 18		n.a.
S 9	23 13	16 51	2 6	16 27	3 5	22 17	0 35	6 7	3 46	22 12	0 15	23 3	0 30	7 31	0 30	16 59	0 58	25 45	2 4	23 5	23 4	12 21		n.a.
M10	23 8	12 14	3 8	16 13	3 17	22 27	0 33	5 58	3 48	22 14	0 15	23 4	0 30	7 31	0 30	16 58	0 58	25 45	2 5	23 5	23 5	12 23		n.a.
T 11	23 2	7 13	3 59	16 1	3 28	22 37	0 30	5 48	3 49	22 16	0 15	23 4	0 30	7 32	0 30	16 58	0 58	25 45	2 5	23 5	23 5	12 26		n.a.
W12	22 56	2 1	4 38	15 51	3 40	22 47	0 27	5 40	3 50	22 17	0 15	23 5	0 30	7 32	0 30	16 57	0 58	25 45	2 5	23 5	23 5	12 28		n.a.
T 13	22 50	3s 9	5 4	15 43	3 50	22 55	0 24	5 31	3 52	22 19	0 15	23 5	0 30	7 32	0 30	16 56	0 58	25 46	2 5	23 5	23 6	12 31		n.a.
F 14	22 43	8 9	5 16	15 36	4 0	23 3	0 22	5 22	3 53	22 21	0 15	23 6	0 30	7 32	0 30	16 56	0 58	25 46	2 5	23 5	23 6	12 33		n.a.
S 15	22 36	12 49	5 14	15 32	4 9	23 11	0 19	5 14	3 55	22 22	0 15	23 6	0 30	7 32	0 30	16 55	0 58	25 46	2 5	23 5	23 6	12 36		n.a.
S 16	22 28	17 1	4 59	15 30	4 17	23 17	0 16	5 6	3 56	22 24	0 15	23 6	0 30	7 33	0 30	16 55	0 58	25 46	2 5	23 5	23 7	12 38		n.a.
M17	22 20	20 34	4 32	15 30	4 24	23 23	0 13	4 58	3 58	22 26	0 15	23 7	0 30	7 33	0 30	16 54	0 58	25 46	2 5	23 5	23 7	12 41		n.a.
T 18	22 12	23 16	3 51	15 32	4 30	23 29	0 11	4 50	3 59	22 27	0 15	23 7	0 30	7 33	0 30	16 53	0 58	25 46	2 5	23 4	23 7	12 43		n.a.
W19	22 3	24 57	3 0	15 37	4 34	23 33	0 8	4 42	4 0	22 29	0 14	23 7	0 30	7 34	0 30	16 53	0 58	25 46	2 5	23 4	23 7	12 46		n.a.
T 20	21 54	25 23	1 58	15 44	4 36	23 37	0 5	4 35	4 2	22 30	0 14	23 8	0 30	7 34	0 30	16 52	0 58	25 46	2 5	23 4	23 8	12 48		n.a.
F 21	21 44	24 29	0 49	15 53	4 37	23 41	0 2	4 27	4 3	22 32	0 14	23 8	0 30	7 34	0 30	16 51	0 58	25 46	2 5	23 4	23 8	12 51		n.a.
S 22	21 34	22 12	0n24	16 4	4 36	23 43	0n 0	4 20	4 4	22 33	0 14	23 8	0 30	7 35	0 30	16 51	0 58	25 46	2 5	23 4	23 8	12 53		n.a.
S 23	21 24	18 38	1 37	16 18	4 33	23 45	0 3	4 13	4 6	22 35	0 14	23 9	0 29	7 35	0 29	16 50	0 58	25 46	2 5	23 4	23 9	12 55		n.a.
M24	21 13	13 59	2 46	16 33	4 29	23 46	0 6	4 7	4 7	22 36	0 14	23 9	0 29	7 36	0 29	16 49	0 58	25 46	2 5	23 4	23 9	12 58		n.a.
T 25	21 2	8 32	3 46	16 49	4 22	23 47	0 8	4 0	4 8	22 38	0 14	23 9	0 29	7 36	0 29	16 49	0 58	25 46	2 6	23 5	23 9	13 0		n.a.
W26	20 51	2 36	4 33	17 7	4 13	23 47	0 11	3 54	4 10	22 39	0 14	23 10	0 29	7 37	0 29	16 48	0 58	25 46	2 6	23 5	23 10	13 3		n.a.
T 27	20 39	3n29	5 4	17 26	4 3	23 46	0 13	3 48	4 11	22 40	0 14	23 10	0 29	7 37	0 29	16 47	0 58	25 46	2 6	23 5	23 10	13 5		n.a.
F 28	20 27	9 25	5 15	17 46	3 51	23 44	0 16	3 43	4 12	22 42	0 14	23 10	0 29	7 38	0 29	16 47	0 58	25 46	2 6	23 5	23 10	13 8		n.a.
S 29	20 14	14 49	5 7	18 7	3 38	23 42	0 19	3 37	4 13	22 43	0 14	23 11	0 29	7 38	0 29	16 46	0 58	25 46	2 6	23 5	23 10	13 10		n.a.
S 30	20 2	19 24	4 41	18 28	3 23	23 39	0 21	3 32	4 14	22 44	0 14	23 11	0 29	7 39	0 29	16 46	0 58	25 46	2 6	23 5	23 11	13 13		n.a.
M31	19n48	22n50	3n58	18n48	3s 7	23n35	0n24	3s27	4s15	22n46	0s13	23n11	0s29	7s39	0n29	16n45	0n58	25s46	2s 6	23s 5	23s11	13s15		n.a.

Julian Day Number = 1646362.5, Delta T = 03h33m30s
Ecliptic obliquity = 23°43'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'22, Lahiri = - 6°47'21 Julian Calendar 1 July 206 BCE == Greg. Calendar 27 June 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

AUGUST 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 21 14	3♌35'09	7♊57	21°R45	12♋59	1♈21	16♊16	26♊23	20♎32	17♌20	26°R20	12♑57	11♑50	21♎50	n.a.	T 1
W 2	20 25 10	4°33'16	21°43	21♋29	14°13	1°35	16°27	26°30	20°34	17°22	26♐19	12°58	11°46	21°57	n.a.	W 2
T 3	20 29 7	5°31'24	5♋19	21°D21	15°27	1°47	16°38	26°37	20°35	17°24	26°18	12°59	11°43	22° 3	n.a.	T 3
F 4	20 33 3	6°29'35	18°42	21°21	16°40	2° 0	16°49	26°43	20°37	17°26	26°17	12°R59	11°40	22°10	n.a.	F 4
S 5	20 37 0	7°27'47	1♌51	21°29	17°54	2°11	17° 0	26°50	20°38	17°29	26°16	12°58	11°37	22°17	n.a.	S 5
S 6	20 40 57	8°26'02	14°48	21°47	19° 8	2°21	17°11	26°56	20°40	17°31	26°15	12°56	11°34	22°24	n.a.	S 6
M 7	20 44 53	9°24'18	27°29	22°13	20°22	2°31	17°22	27° 3	20°42	17°33	26°14	12°52	11°31	22°30	n.a.	M 7
T 8	20 48 50	10°22'36	9♍57	22°47	21°36	2°40	17°32	27° 9	20°44	17°35	26°13	12°48	11°27	22°37	n.a.	T 8
W 9	20 52 46	11°20'55	22°13	23°30	22°50	2°48	17°43	27°16	20°46	17°37	26°12	12°43	11°24	22°44	n.a.	W 9
T 10	20 56 43	12°19'16	4♎17	24°21	24° 4	2°56	17°53	27°22	20°47	17°40	26°11	12°38	11°21	22°51	n.a.	T 10
F 11	21 0 39	13°17'39	16°14	25°19	25°18	3° 2	18° 3	27°28	20°49	17°42	26°10	12°34	11°18	22°57	n.a.	F 11
S 12	21 4 36	14°16'04	28° 7	26°24	26°32	3° 8	18°13	27°34	20°51	17°44	26° 9	12°32	11°15	23° 4	n.a.	S 12
S 13	21 8 32	15°14'31	9♏59	27°36	27°46	3°13	18°23	27°41	20°53	17°46	26° 8	12°D30	11°11	23°11	n.a.	S 13
M14	21 12 29	16°12'59	21°57	28°54	29° 0	3°17	18°33	27°47	20°55	17°49	26° 8	12°30	11° 8	23°17	n.a.	M14
T 15	21 16 25	17°11'29	4♐ 3	0♌18	0♌14	3°20	18°43	27°53	20°57	17°51	26° 7	12°31	11° 5	23°24	n.a.	T 15
W16	21 20 22	18°10'01	16°24	1°46	1°28	3°22	18°53	27°59	21° 0	17°53	26° 6	12°33	11° 2	23°31	n.a.	W16
T 17	21 24 19	19° 8'34	29° 4	3°19	2°43	3°24	19° 3	28° 5	21° 2	17°55	26° 5	12°35	10°59	23°38	n.a.	T 17
F 18	21 28 15	20° 7'10	12♑ 6	4°56	3°57	3°R24	19°12	28°10	21° 4	17°58	26° 5	12°R35	10°56	23°44	n.a.	F 18
S 19	21 32 12	21° 5'47	25°32	6°36	5°11	3°24	19°22	28°16	21° 6	18° 0	26° 4	12°35	10°52	23°51	n.a.	S 19
S 20	21 36 8	22° 4'26	9♒22	8°18	6°26	3°23	19°31	28°22	21° 9	18° 2	26° 3	12°32	10°49	23°58	n.a.	S 20
M21	21 40 5	23° 3'07	23°34	10° 3	7°40	3°21	19°40	28°27	21°11	18° 4	26° 3	12°28	10°46	24° 4	n.a.	M21
T 22	21 44 1	24° 1'50	8♓ 3	11°50	8°55	3°18	19°49	28°33	21°13	18° 6	26° 2	12°22	10°43	24°11	n.a.	T 22
W23	21 47 58	25° 0'35	22°43	13°38	10° 9	3°14	19°58	28°38	21°16	18° 9	26° 1	12°15	10°40	24°18	n.a.	W23
T 24	21 51 54	25°59'23	7♈27	15°27	11°24	3° 9	20° 7	28°44	21°18	18°11	26° 1	12° 9	10°36	24°25	n.a.	T 24
F 25	21 55 51	26°58'12	22° 6	17°17	12°38	3° 4	20°16	28°49	21°21	18°13	26° 0	12° 4	10°33	24°31	n.a.	F 25
S 26	21 59 48	27°57'04	6♉36	19° 7	13°53	2°57	20°24	28°54	21°23	18°15	26° 0	12° 0	10°30	24°38	n.a.	S 26
S 27	22 3 44	28°55'59	20°51	20°57	15° 7	2°50	20°33	29° 0	21°26	18°17	25°59	11°58	10°27	24°45	n.a.	S 27
M28	22 7 41	29°54'56	4♊51	22°47	16°22	2°42	20°41	29° 5	21°29	18°20	25°59	11°D58	10°24	24°51	n.a.	M28
T 29	22 11 37	0♍53'56	18°33	24°38	17°37	2°33	20°49	29°10	21°31	18°22	25°58	11°58	10°21	24°58	n.a.	T 29
W30	22 15 34	1°52'57	2♋ 1	26°27	18°52	2°23	20°57	29°15	21°34	18°24	25°58	12° 0	10°17	25° 5	n.a.	W30
T 31	22 19 30	2♍52'02	15♋14	28♌17	20♌ 6	2♈12	21♊ 5	29♊20	21♎37	18♌26	25♐58	12°R 0	10♑14	25♎12	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	19n35	24n52	3n 1	19n 9	2s50	23n31	0n26	3s22	4s17	22n47	0s13	23n11	0s29	7s40	0n29	16n44	0n58	25s46	2s 6	23s 5	23s11	13s17			n.a.
W 2	19 21	25 22	1 54	19 28	2 32	23 25	0 29	3 18	4 18	22 48	0 13	23 12	0 29	7 40	0 29	16 43	0 58	25 46	2 6	23 5	23 12	13 20			n.a.
T 3	19 7	24 19	0 42	19 47	2 15	23 20	0 31	3 14	4 19	22 49	0 13	23 12	0 29	7 41	0 29	16 43	0 58	25 46	2 6	23 5	23 12	13 22			n.a.
F 4	18 52	21 53	0s31	20 5	1 56	23 13	0 33	3 10	4 20	22 50	0 13	23 12	0 29	7 42	0 29	16 42	0 58	25 46	2 6	23 5	23 12	13 25			n.a.
S 5	18 37	18 20	1 42	20 22	1 38	23 6	0 36	3 6	4 21	22 52	0 13	23 12	0 29	7 42	0 29	16 41	0 58	25 46	2 6	23 5	23 12	13 27			n.a.
S 6	18 22	13 57	2 46	20 37	1 20	22 58	0 38	3 3	4 22	22 53	0 13	23 12	0 29	7 43	0 29	16 41	0 58	25 46	2 6	23 5	23 13	13 30			n.a.
M 7	18 7	9 3	3 40	20 50	1 2	22 49	0 40	3 0	4 23	22 54	0 13	23 13	0 29	7 44	0 29	16 40	0 58	25 46	2 6	23 5	23 13	13 32			n.a.
T 8	17 51	3 52	4 23	21 2	0 45	22 40	0 42	2 57	4 23	22 55	0 13	23 13	0 28	7 44	0 29	16 39	0 58	25 46	2 6	23 6	23 13	13 34			n.a.
W 9	17 35	1s21	4 53	21 11	0 28	22 30	0 45	2 54	4 24	22 56	0 13	23 13	0 28	7 45	0 29	16 39	0 58	25 46	2 6	23 6	23 13	13 37			n.a.
T 10	17 18	6 26	5 9	21 18	0 12	22 19	0 47	2 52	4 25	22 57	0 13	23 13	0 28	7 46	0 29	16 38	0 58	25 46	2 6	23 7	23 14	13 39			n.a.
F 11	17 2	11 14	5 12	21 22	0n 3	22 8	0 49	2 50	4 26	22 58	0 13	23 13	0 28	7 47	0 29	16 37	0 58	25 46	2 6	23 7	23 14	13 42			n.a.
S 12	16 45	15 36	5 1	21 24	0 17	21 56	0 51	2 48	4 26	22 59	0 12	23 14	0 28	7 47	0 29	16 37	0 58	25 46	2 6	23 7	23 14	13 44			n.a.
S 13	16 27	19 21	4 37	21 23	0 30	21 43	0 53	2 47	4 27	23 0	0 12	23 14	0 28	7 48	0 29	16 36	0 58	25 46	2 7	23 7	23 15	13 46			n.a.
M14	16 10	22 21	4 1	21 19	0 43	21 30	0 55	2 46	4 28	23 1	0 12	23 14	0 28	7 49	0 29	16 35	0 58	25 46	2 7	23 7	23 15	13 49			n.a.
T 15	15 52	24 23	3 14	21 12	0 54	21 16	0 57	2 45	4 28	23 2	0 12	23 14	0 28	7 50	0 29	16 35	0 58	25 46	2 7	23 7	23 15	13 51			n.a.
W16	15 34	25 18	2 18	21 2	1 4	21 1	0 59	2 45	4 29	23 3	0 12	23 14	0 28	7 51	0 29	16 34	0 58	25 46	2 7	23 7	23 15	13 53			n.a.
T 17	15 15	24 56	1 13	20 50	1 13	20 46	1 0	2 44	4 29	23 4	0 12	23 14	0 28	7 51	0 29	16 33	0 58	25 46	2 7	23 7	23 16	13 56			n.a.
F 18	14 57	23 12	0 3	20 34	1 21	20 30	1 2	2 44	4 29	23 5	0 12	23 15	0 28	7 52	0 29	16 33	0 58	25 46	2 7	23 7	23 16	13 58			n.a.
S 19	14 38	20 9	1n10	20 16	1 28	20 13	1 4	2 45	4 29	23 5	0 12	23 15	0 28	7 53	0 29	16 32	0 58	25 46	2 7	23 7	23 16	14 0			n.a.
S 20	14 19	15 52	2 20	19 55	1 34	19 56	1 5	2 45	4 30	23 6	0 12	23 15	0 28	7 54	0 29	16 31	0 58	25 46	2 7	23 7	23 16	14 3			n.a.
M21	14 0	10 37	3 24	19 31	1 39	19 39	1 7	2 46	4 30	23 7	0 12	23 15	0 28	7 55	0 29	16 31	0 58	25 46	2 7	23 8	23 17	14 5			n.a.
T 22	13 40	4 42	4 15	19 6	1 43	19 20	1 8	2 47	4 30	23 8	0 12	23 15	0 28	7 56	0 29	16 30	0 58	25 46	2 7	23 8	23 17	14 8			n.a.
W23	13 20	1n31	4 51	18 37	1 46	19 2	1 10	2 49	4 30	23 9	0 12	23 15	0 28	7 57	0 29	16 29	0 58	25 46	2 7	23 9	23 17	14 10			n.a.
T 24	13 0	7 41	5 7	18 7	1 49	18 42	1 11	2 51	4 30	23 9	0 11	23 15	0 28	7 58	0 28	16 29	0 58	25 46	2 7	23 9	23 17	14 12			n.a.
F 25	12 40	13 23	5 4	17 35	1 50	18 22	1 13	2 53	4 29	23 10	0 11	23 15	0 28	7 59	0 28	16 28	0 58	25 46	2 7	23 10	23 18	14 15			n.a.
S 26	12 20	18 17	4 41	17 1	1 51	18 2	1 14	2 55	4 29	23 11	0 11	23 15	0 27	8 0	0 28	16 27	0 58	25 46	2 7	23 10	23 18	14 17			n.a.
S 27	11 59	22 2	4 0	16 26	1 51	17 41	1 15	2 58	4 29	23 12	0 11	23 16	0 27	8 1	0 28	16 26	0 58	25 46	2 7	23 11	23 18	14 19			n.a.
M28	11 38	24 24	3 7	15 49	1 50	17 20	1 16	3 0	4 28	23 12	0 11	23 16	0 27	8 2	0 28	16 26	0 58	25 47	2 7	23 11	23 18	14 22			n.a.
T 29	11 17	25 16	2 3	15 11	1 49	16 58	1 17	3 3	4 27	23 13	0 11	23 16	0 27	8 3	0 28	16 25	0 58	25 47	2 7	23 10	23 19	14 24			n.a.
W30	10 56	24 36	0 54	14 31	1 47	16 35	1 18	3 7	4 27	23 14	0 11	23 16	0 27	8 4	0 28	16 24	0 58	25 47	2 7	23 10	23 19	14 26			n.a.
T 31	10n34	22n33	0s17	13n51	1n45	16n12	1n19	3s10	4s26	23n14	0s11	23n16	0s27	8s 5	0n28	16n24	0n58	25s47	2s 7	23s10	23s19	14s28			n.a.

Julian Day Number = 1646393.5, Delta T = 03h33m29s
Ecliptic obliquity = 23°43'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'17, Lahiri = - 6°47'17 Julian Calendar 1 Aug. 206 BCE == Greg. Calendar 28 July 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

SEPTEMBER 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 23 27	3♍51'08	28♋14	0♍ 5	21♌21	2°R 0	21♊13	29♊24	21♎39	18♌28	25°R57	11°R59	10♑11	25♎18	n.a.	F 1
S 2	22 27 23	4°50'17	11♌ 2	1°54	22°36	1♈48	21°21	29°29	21°42	18°31	25♐57	11♑55	10° 8	25°25	n.a.	S 2
S 3	22 31 20	5°49'28	23°40	3°41	23°51	1°35	21°29	29°34	21°45	18°33	25°57	11°49	10° 5	25°32	n.a.	S 3
M 4	22 35 17	6°48'42	6♍ 7	5°28	25° 6	1°21	21°36	29°38	21°48	18°35	25°56	11°40	10° 2	25°39	n.a.	M 4
T 5	22 39 13	7°47'57	18°24	7°14	26°21	1° 6	21°43	29°43	21°51	18°37	25°56	11°30	9°58	25°45	n.a.	T 5
W 6	22 43 10	8°47'15	0♎32	8°59	27°36	0°51	21°50	29°47	21°54	18°39	25°56	11°19	9°55	25°52	n.a.	W 6
T 7	22 47 6	9°46'34	12°33	10°44	28°51	0°35	21°57	29°51	21°57	18°41	25°56	11° 8	9°52	25°59	n.a.	T 7
F 8	22 51 3	10°45'56	24°27	12°28	0♍ 6	0°19	22° 4	29°56	22° 0	18°43	25°56	10°58	9°49	26° 5	n.a.	F 8
S 9	22 54 59	11°45'19	6♏17	14°11	1°21	0° 1	22°11	29°59	22° 3	18°46	25°55	10°50	9°46	26°12	n.a.	S 9
S 10	22 58 56	12°44'45	18° 7	15°53	2°36	29♓44	22°17	0♋ 4	22° 6	18°48	25°55	10°44	9°42	26°19	n.a.	S 10
M11	23 2 52	13°44'12	0♐ 2	17°35	3°51	29°26	22°24	0° 8	22° 9	18°50	25°55	10°41	9°39	26°26	n.a.	M11
T 12	23 6 49	14°43'41	12° 5	19°15	5° 6	29° 7	22°30	0°11	22°12	18°52	25°55	10°D40	9°36	26°32	n.a.	T 12
W13	23 10 45	15°43'13	24°22	20°55	6°21	28°48	22°36	0°15	22°15	18°54	25°D55	10°40	9°33	26°39	n.a.	W13
T 14	23 14 42	16°42'46	6♑58	22°35	7°36	28°29	22°42	0°19	22°19	18°56	25°55	10°R41	9°30	26°46	n.a.	T 14
F 15	23 18 39	17°42'21	19°58	24°13	8°51	28° 9	22°48	0°22	22°22	18°58	25°55	10°41	9°27	26°52	n.a.	F 15
S 16	23 22 35	18°41'57	3♒25	25°51	10° 7	27°49	22°53	0°26	22°25	19° 0	25°55	10°38	9°23	26°59	n.a.	S 16
S 17	23 26 32	19°41'36	17°21	27°28	11°22	27°29	22°59	0°29	22°28	19° 2	25°56	10°34	9°20	27° 6	n.a.	S 17
M18	23 30 28	20°41'17	1♓45	29° 5	12°37	27° 8	23° 4	0°32	22°32	19° 4	25°56	10°27	9°17	27°13	n.a.	M18
T 19	23 34 25	21°40'59	16°32	0♎40	13°52	26°48	23° 9	0°35	22°35	19° 6	25°56	10°17	9°14	27°19	n.a.	T 19
W20	23 38 21	22°40'43	1♈35	2°16	15° 7	26°27	23°14	0°38	22°38	19° 8	25°56	10° 7	9°11	27°26	n.a.	W20
T 21	23 42 18	23°40'30	16°44	3°50	16°23	26° 7	23°19	0°41	22°42	19°10	25°56	9°56	9° 8	27°33	n.a.	T 21
F 22	23 46 14	24°40'19	1♉47	5°24	17°38	25°46	23°23	0°44	22°45	19°12	25°57	9°46	9° 4	27°39	n.a.	F 22
S 23	23 50 11	25°40'10	16°37	6°58	18°53	25°26	23°28	0°47	22°48	19°13	25°57	9°39	9° 1	27°46	n.a.	S 23
S 24	23 54 8	26°40'04	1♊ 7	8°31	20° 9	25° 6	23°32	0°50	22°52	19°15	25°57	9°35	8°58	27°53	n.a.	S 24
M25	23 58 4	27°39'59	15°13	10° 3	21°24	24°46	23°36	0°52	22°55	19°17	25°58	9°33	8°55	28° 0	n.a.	M25
T 26	0 2 1	28°39'58	28°55	11°35	22°39	24°26	23°40	0°55	22°59	19°19	25°58	9°D32	8°52	28° 6	n.a.	T 26
W27	0 5 57	29°39'58	12♋16	13° 6	23°55	24° 6	23°44	0°57	23° 2	19°21	25°58	9°R32	8°48	28°13	n.a.	W27
T 28	0 9 54	0♎40'01	25°17	14°37	25°10	23°47	23°47	0°59	23° 6	19°23	25°59	9°31	8°45	28°20	n.a.	T 28
F 29	0 13 50	1°40'06	8♌ 2	16° 7	26°25	23°28	23°51	1° 1	23° 9	19°24	25°59	9°29	8°42	28°26	n.a.	F 29
S 30	0 17 47	2♎40'13	20♌34	17♎37	27♍41	23♓ 9	23♊54	1♋ 3	23♎13	19♌26	26♐ 0	9♑23	8♑39	28♎33	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n13	19n21	1s26	13n10	1n42	15n49	1n20	3s14	4s25	23n15	0s11	23n16	0s27	8s 6	0n28	16n23	0n58	25s47	2s 7	23s10	23s19	14s31		n.a.
S 2	9 51	15 16	2 29	12 28	1 39	15 25	1 21	3 18	4 24	23 15	0 11	23 16	0 27	8 7	0 28	16 22	0 58	25 47	2 7	23 11	23 20	14 33		n.a.
S 3	9 29	10 35	3 24	11 45	1 35	15 1	1 22	3 22	4 23	23 16	0 11	23 16	0 27	8 8	0 28	16 22	0 58	25 47	2 7	23 11	23 20	14 35		n.a.
M 4	9 7	5 32	4 8	11 2	1 31	14 36	1 23	3 27	4 22	23 17	0 10	23 16	0 27	8 9	0 28	16 21	0 58	25 47	2 7	23 12	23 20	14 38		n.a.
T 5	8 45	0 21	4 40	10 18	1 27	14 11	1 23	3 31	4 20	23 17	0 10	23 16	0 27	8 11	0 28	16 21	0 58	25 47	2 7	23 13	23 20	14 40		n.a.
W 6	8 22	4s46	4 59	9 34	1 22	13 46	1 24	3 36	4 19	23 18	0 10	23 16	0 27	8 12	0 28	16 20	0 58	25 47	2 7	23 14	23 21	14 42		n.a.
T 7	8 0	9 40	5 4	8 49	1 17	13 20	1 24	3 41	4 17	23 18	0 10	23 16	0 27	8 13	0 28	16 19	0 58	25 47	2 7	23 15	23 21	14 44		n.a.
F 8	7 37	14 9	4 56	8 4	1 12	12 54	1 25	3 46	4 15	23 19	0 10	23 16	0 27	8 14	0 28	16 19	0 58	25 47	2 7	23 16	23 21	14 47		n.a.
S 9	7 14	18 5	4 35	7 19	1 7	12 27	1 25	3 51	4 13	23 19	0 10	23 16	0 27	8 15	0 28	16 18	0 58	25 47	2 7	23 16	23 21	14 49		n.a.
S 10	6 51	21 18	4 2	6 34	1 1	12 0	1 26	3 57	4 11	23 20	0 10	23 17	0 27	8 16	0 28	16 17	0 58	25 47	2 7	23 17	23 22	14 51		n.a.
M11	6 28	23 38	3 19	5 49	0 55	11 33	1 26	4 2	4 9	23 20	0 10	23 17	0 27	8 17	0 28	16 17	0 58	25 47	2 7	23 17	23 22	14 54		n.a.
T 12	6 5	24 55	2 26	5 3	0 49	11 5	1 26	4 8	4 7	23 21	0 10	23 17	0 27	8 19	0 28	16 16	0 58	25 47	2 7	23 17	23 22	14 56		n.a.
W13	5 42	25 2	1 26	4 18	0 43	10 37	1 26	4 13	4 5	23 21	0 10	23 17	0 27	8 20	0 28	16 15	0 58	25 47	2 8	23 17	23 22	14 58		n.a.
T 14	5 18	23 52	0 20	3 33	0 37	10 9	1 26	4 19	4 2	23 21	0 10	23 17	0 27	8 21	0 28	16 15	0 58	25 47	2 8	23 17	23 23	15 0		n.a.
F 15	4 55	21 24	0n49	2 47	0 30	9 40	1 26	4 24	4 0	23 22	0 9	23 17	0 26	8 22	0 28	16 14	0 58	25 47	2 8	23 17	23 23	15 3		n.a.
S 16	4 31	17 43	1 58	2 2	0 24	9 12	1 26	4 30	3 57	23 22	0 9	23 17	0 26	8 24	0 28	16 14	0 58	25 47	2 8	23 17	23 23	15 5		n.a.
S 17	4 8	12 56	3 2	1 17	0 17	8 43	1 26	4 35	3 54	23 23	0 9	23 17	0 26	8 25	0 28	16 13	0 58	25 47	2 8	23 18	23 23	15 7		n.a.
M18	3 44	7 18	3 56	0 32	0 11	8 13	1 26	4 41	3 51	23 23	0 9	23 17	0 26	8 26	0 28	16 12	0 58	25 47	2 8	23 18	23 23	15 9		n.a.
T 19	3 20	1 8	4 36	0s13	0 4	7 44	1 26	4 46	3 48	23 23	0 9	23 17	0 26	8 27	0 28	16 12	0 58	25 47	2 8	23 19	23 24	15 11		n.a.
W20	2 56	5n11	4 58	0 57	0s 3	7 14	1 25	4 52	3 45	23 24	0 9	23 17	0 26	8 29	0 28	16 11	0 58	25 47	2 8	23 20	23 24	15 14		n.a.
T 21	2 32	11 14	4 59	1 41	0 9	6 44	1 25	4 57	3 42	23 24	0 9	23 17	0 26	8 30	0 28	16 11	0 58	25 47	2 8	23 21	23 24	15 16		n.a.
F 22	2 8	16 36	4 40	2 25	0 16	6 14	1 24	5 2	3 39	23 24	0 9	23 17	0 26	8 31	0 28	16 10	0 59	25 47	2 8	23 21	23 24	15 18		n.a.
S 23	1 44	20 51	4 1	3 9	0 23	5 44	1 24	5 7	3 36	23 25	0 9	23 17	0 26	8 33	0 28	16 9	0 59	25 47	2 8	23 22	23 25	15 20		n.a.
S 24	1 20	23 41	3 8	3 52	0 30	5 13	1 23	5 12	3 32	23 25	0 9	23 17	0 26	8 34	0 28	16 9	0 59	25 47	2 8	23 22	23 25	15 23		n.a.
M25	0 56	24 57	2 5	4 35	0 37	4 43	1 23	5 17	3 29	23 25	0 9	23 17	0 26	8 35	0 28	16 8	0 59	25 47	2 8	23 22	23 25	15 25		n.a.
T 26	0 32	24 39	0 56	5 18	0 43	4 12	1 22	5 22	3 25	23 26	0 8	23 17	0 26	8 36	0 28	16 8	0 59	25 47	2 8	23 22	23 25	15 27		n.a.
W27	0 8	22 55	0s14	6 0	0 50	3 41	1 21	5 27	3 21	23 26	0 8	23 17	0 26	8 38	0 28	16 7	0 59	25 47	2 8	23 22	23 25	15 29		n.a.
T 28	0s16	19 59	1 22	6 42	0 57	3 10	1 20	5 31	3 18	23 26	0 8	23 17	0 26	8 39	0 28	16 7	0 59	25 47	2 8	23 22	23 26	15 31		n.a.
F 29	0 40	16 9	2 24	7 23	1 3	2 39	1 19	5 35	3 14	23 26	0 8	23 17	0 26	8 40	0 28	16 6	0 59	25 47	2 8	23 23	23 26	15 33		n.a.
S 30	1s 4	11n40	3s18	8s 4	1s10	2n 8	1n18	5s39	3s10	23n27	0s 8	23n17	0s26	8s42	0n28	16n 6	0n59	25s47	2s 8	23s23	23s26	15s36		n.a.

Julian Day Number = 1646424.5, Delta T = 03h33m28s
Ecliptic obliquity = 23°43'14, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'13, Lahiri = - 6°47'13 Julian Calendar 1 Sept. 206 BCE == Greg. Calendar 28 Aug. 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

OCTOBER 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 21 43	3♎40'22	2♍55	19♎ 6	28♍56	22°R51	23♊57	1♋ 5	23♎16	19♑28	26♐ 0	9°R15	8♑36	28♎40	n.a.	S 1
M 2	0 25 40	4°40'34	15° 8	20°34	0♎12	22♓34	24° 0	1° 7	23°20	19°30	26° 1	9♑ 3	8°33	28°47	n.a.	M 2
T 3	0 29 36	5°40'47	27°15	22° 2	1°27	22°17	24° 2	1° 9	23°24	19°31	26° 1	8°49	8°29	28°53	n.a.	T 3
W 4	0 33 33	6°41'02	9♎15	23°30	2°43	22° 0	24° 5	1°10	23°27	19°33	26° 2	8°35	8°26	29° 0	n.a.	W 4
T 5	0 37 30	7°41'19	21°10	24°57	3°58	21°44	24° 7	1°12	23°31	19°34	26° 3	8°20	8°23	29° 7	n.a.	T 5
F 6	0 41 26	8°41'38	3♏ 2	26°23	5°14	21°29	24° 9	1°13	23°35	19°36	26° 3	8° 6	8°20	29°13	n.a.	F 6
S 7	0 45 23	9°41'59	14°51	27°49	6°29	21°14	24°11	1°14	23°38	19°38	26° 4	7°55	8°17	29°20	n.a.	S 7
S 8	0 49 19	10°42'21	26°42	29°13	7°45	21° 0	24°12	1°15	23°42	19°39	26° 5	7°46	8°13	29°27	n.a.	S 8
M 9	0 53 16	11°42'45	8♐35	0♏38	9° 0	20°47	24°14	1°16	23°45	19°41	26° 5	7°41	8°10	29°34	n.a.	M 9
T 10	0 57 12	12°43'11	20°37	2° 1	10°16	20°35	24°15	1°17	23°49	19°42	26° 6	7°38	8° 7	29°40	n.a.	T 10
W11	1 1 9	13°43'38	2♑50	3°23	11°31	20°23	24°16	1°18	23°53	19°44	26° 7	7°37	8° 4	29°47	n.a.	W11
T 12	1 5 5	14°44'07	15°21	4°45	12°47	20°12	24°17	1°19	23°57	19°45	26° 8	7°37	8° 1	29°54	n.a.	T 12
F 13	1 9 2	15°44'37	28°14	6° 5	14° 2	20° 2	24°18	1°19	24° 0	19°47	26° 9	7°37	7°58	0♏ 0	n.a.	F 13
S 14	1 12 59	16°45'08	11♒34	7°24	15°18	19°53	24°18	1°20	24° 4	19°48	26°10	7°35	7°54	0° 7	n.a.	S 14
S 15	1 16 55	17°45'41	25°24	8°42	16°33	19°44	24°18	1°20	24° 8	19°49	26°11	7°30	7°51	0°14	n.a.	S 15
M16	1 20 52	18°46'15	9♓44	9°59	17°49	19°37	24°R18	1°20	24°11	19°51	26°11	7°23	7°48	0°21	n.a.	M16
T 17	1 24 48	19°46'51	24°32	11°13	19° 4	19°30	24°18	1°R20	24°15	19°52	26°12	7°14	7°45	0°27	n.a.	T 17
W18	1 28 45	20°47'27	9♈41	12°26	20°20	19°24	24°18	1°20	24°19	19°53	26°13	7° 3	7°42	0°34	n.a.	W18
T 19	1 32 41	21°48'06	25° 2	13°37	21°35	19°18	24°17	1°20	24°23	19°55	26°14	6°52	7°39	0°41	n.a.	T 19
F 20	1 36 38	22°48'46	10♉21	14°46	22°51	19°14	24°17	1°20	24°26	19°56	26°16	6°42	7°35	0°47	n.a.	F 20
S 21	1 40 34	23°49'28	25°29	15°51	24° 6	19°10	24°16	1°20	24°30	19°57	26°17	6°34	7°32	0°54	n.a.	S 21
S 22	1 44 31	24°50'11	10♊16	16°54	25°22	19° 8	24°15	1°19	24°34	19°58	26°18	6°29	7°29	1° 1	n.a.	S 22
M23	1 48 28	25°50'56	24°37	17°53	26°37	19° 6	24°13	1°19	24°38	20° 0	26°19	6°26	7°26	1° 8	n.a.	M23
T 24	1 52 24	26°51'43	8♋29	18°48	27°53	19° 4	24°12	1°18	24°41	20° 1	26°20	6°D26	7°23	1°14	n.a.	T 24
W25	1 56 21	27°52'32	21°55	19°39	29° 8	19°D 4	24°10	1°17	24°45	20° 2	26°21	6°R26	7°19	1°21	n.a.	W25
T 26	2 0 17	28°53'22	4♌56	20°25	0♏24	19° 4	24° 8	1°16	24°49	20° 3	26°22	6°26	7°16	1°28	n.a.	T 26
F 27	2 4 14	29°54'13	17°37	21° 5	1°39	19° 5	24° 6	1°15	24°52	20° 4	26°24	6°25	7°13	1°34	n.a.	F 27
S 28	2 8 10	0♏55'07	0♍ 1	21°39	2°55	19° 7	24° 4	1°14	24°56	20° 5	26°25	6°21	7°10	1°41	n.a.	S 28
S 29	2 12 7	1°56'01	12°14	22° 5	4°10	19°10	24° 1	1°13	25° 0	20° 6	26°26	6°14	7° 7	1°48	n.a.	S 29
M30	2 16 3	2°56'57	24°17	22°24	5°26	19°14	23°58	1°12	25° 4	20° 7	26°27	6° 5	7° 4	1°55	n.a.	M30
T 31	2 20 0	3♏57'55	6♎15	22♏33	6♏42	19♓18	23♊55	1♋10	25♎ 7	20♌ 8	26♐29	5♑53	7♑ 0	2♏ 1	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	1s29	6n47	4s 2	8s44	1s16	1n36	1n17	5s43	3s 6	23n27	0s 8	23n17	0s26	8s43	0n28	16n 5	0n59	25s47	2s 8	23s24	23s26	15s38			n.a.
M 2	1 53	1 43	4 34	9 24	1 22	1 5	1 16	5 46	3 2	23 27	0 8	23 17	0 26	8 44	0 28	16 5	0 59	25 48	2 8	23 24	23 26	15 40			n.a.
T 3	2 17	3s22	4 53	10 3	1 28	0 34	1 15	5 49	2 58	23 27	0 8	23 17	0 26	8 46	0 28	16 4	0 59	25 48	2 8	23 25	23 27	15 42			n.a.
W 4	2 41	8 17	4 59	10 41	1 34	0 2	1 14	5 52	2 54	23 28	0 8	23 17	0 26	8 47	0 28	16 4	0 59	25 48	2 8	23 26	23 27	15 44			n.a.
T 5	3 5	12 51	4 52	11 19	1 40	0s29	1 13	5 55	2 50	23 28	0 7	23 17	0 25	8 49	0 28	16 3	0 59	25 48	2 8	23 27	23 27	15 46			n.a.
F 6	3 29	16 55	4 32	11 56	1 46	1 1	1 11	5 57	2 46	23 28	0 7	23 17	0 25	8 50	0 28	16 3	0 59	25 48	2 8	23 28	23 27	15 49			n.a.
S 7	3 53	20 18	4 0	12 33	1 52	1 32	1 10	6 0	2 42	23 28	0 7	23 18	0 25	8 51	0 28	16 2	0 59	25 48	2 8	23 29	23 28	15 51			n.a.
S 8	4 17	22 51	3 18	13 9	1 57	2 3	1 9	6 1	2 38	23 28	0 7	23 18	0 25	8 53	0 28	16 2	0 59	25 48	2 8	23 29	23 28	15 53			n.a.
M 9	4 41	24 25	2 27	13 44	2 2	2 35	1 7	6 3	2 34	23 29	0 7	23 18	0 25	8 54	0 28	16 1	0 59	25 48	2 8	23 30	23 28	15 55			n.a.
T 10	5 5	24 51	1 29	14 18	2 7	3 6	1 6	6 4	2 30	23 29	0 7	23 18	0 25	8 55	0 28	16 1	0 59	25 48	2 8	23 30	23 28	15 57			n.a.
W11	5 29	24 7	0 25	14 51	2 11	3 38	1 4	6 5	2 26	23 29	0 7	23 18	0 25	8 57	0 28	16 0	0 59	25 48	2 8	23 30	23 28	15 59			n.a.
T 12	5 52	22 9	0n41	15 23	2 16	4 9	1 3	6 6	2 22	23 29	0 7	23 18	0 25	8 58	0 28	16 0	0 59	25 48	2 8	23 30	23 29	16 1			n.a.
F 13	6 16	19 1	1 47	15 54	2 20	4 40	1 1	6 6	2 18	23 29	0 7	23 18	0 25	9 0	0 28	16 0	0 59	25 48	2 8	23 30	23 29	16 4			n.a.
S 14	6 40	14 48	2 49	16 24	2 24	5 11	0 59	6 6	2 14	23 29	0 6	23 18	0 25	9 1	0 27	15 59	0 59	25 48	2 8	23 30	23 29	16 6			n.a.
S 15	7 3	9 41	3 44	16 53	2 27	5 42	0 57	6 6	2 10	23 29	0 6	23 18	0 25	9 2	0 27	15 59	0 59	25 48	2 8	23 30	23 29	16 8			n.a.
M16	7 26	3 54	4 27	17 21	2 30	6 13	0 56	6 5	2 6	23 30	0 6	23 18	0 25	9 4	0 27	15 58	0 59	25 48	2 8	23 31	23 29	16 10			n.a.
T 17	7 49	2n17	4 54	17 47	2 32	6 43	0 54	6 5	2 2	23 30	0 6	23 18	0 25	9 5	0 27	15 58	0 59	25 48	2 8	23 31	23 29	16 12			n.a.
W18	8 13	8 29	5 1	18 12	2 34	7 14	0 52	6 3	1 58	23 30	0 6	23 18	0 25	9 7	0 27	15 58	0 59	25 48	2 8	23 32	23 30	16 14			n.a.
T 19	8 36	14 13	4 46	18 35	2 36	7 44	0 50	6 2	1 55	23 30	0 6	23 18	0 25	9 8	0 27	15 57	0 59	25 48	2 8	23 32	23 30	16 16			n.a.
F 20	8 58	19 4	4 11	18 57	2 37	8 15	0 48	6 0	1 51	23 30	0 6	23 18	0 25	9 9	0 27	15 57	0 59	25 48	2 8	23 33	23 30	16 18			n.a.
S 21	9 21	22 34	3 19	19 17	2 37	8 45	0 46	5 58	1 47	23 30	0 6	23 18	0 25	9 11	0 27	15 56	1 0	25 48	2 9	23 33	23 30	16 20			n.a.
S 22	9 44	24 28	2 14	19 35	2 36	9 14	0 44	5 56	1 43	23 30	0 6	23 18	0 25	9 12	0 27	15 56	1 0	25 49	2 9	23 34	23 30	16 22			n.a.
M23	10 6	24 39	1 2	19 51	2 35	9 44	0 42	5 54	1 40	23 30	0 5	23 18	0 24	9 14	0 27	15 56	1 0	25 49	2 9	23 34	23 31	16 24			n.a.
T 24	10 28	23 16	0s11	20 4	2 33	10 13	0 40	5 51	1 36	23 30	0 5	23 18	0 24	9 15	0 27	15 55	1 0	25 49	2 9	23 34	23 31	16 27			n.a.
W25	10 50	20 35	1 21	20 16	2 30	10 42	0 38	5 48	1 33	23 30	0 5	23 19	0 24	9 16	0 27	15 55	1 0	25 49	2 9	23 34	23 31	16 29			n.a.
T 26	11 12	16 54	2 25	20 25	2 26	11 11	0 36	5 44	1 29	23 30	0 5	23 19	0 24	9 18	0 27	15 55	1 0	25 49	2 9	23 34	23 31	16 31			n.a.
F 27	11 34	12 33	3 20	20 31	2 21	11 40	0 34	5 41	1 26	23 30	0 5	23 19	0 24	9 19	0 27	15 55	1 0	25 49	2 9	23 34	23 31	16 33			n.a.
S 28	11 56	7 47	4 5	20 34	2 15	12 8	0 31	5 37	1 22	23 30	0 5	23 19	0 24	9 20	0 27	15 54	1 0	25 49	2 9	23 34	23 31	16 35			n.a.
S 29	12 17	2 47	4 37	20 34	2 8	12 36	0 29	5 33	1 19	23 30	0 5	23 19	0 24	9 22	0 27	15 54	1 0	25 49	2 9	23 34	23 32	16 37			n.a.
M30	12 38	2s14	4 57	20 30	1 59	13 4	0 27	5 28	1 16	23 30	0 5	23 19	0 24	9 23	0 27	15 54	1 0	25 49	2 9	23 35	23 32	16 39			n.a.
T 31	12s59	7s 8	5s 3	20s23	1s49	13s31	0n25	5s24	1s12	23n30	0s 4	23n19	0s24	9s25	0n27	15n53	1n 0	25s49	2s 9	23s35	23s32	16s41			n.a.

Julian Day Number = 1646454.5, Delta T = 03h33m27s
Ecliptic obliquity = 23°43'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'09, Lahiri = - 6°47'09 Julian Calendar 1 Oct. 206 BCE == Greg. Calendar 27 Sept. 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

NOVEMBER 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 23 57	4♏58'54	18♎ 9	22°R34	7♏57	19♓23	23°R52	1°R 8	25♎11	20♌ 9	26♐30	5°R41	6♑57	2♏ 8	n.a.	W 1
T 2	2 27 53	5°59'54	0♏ 1	22♏23	9°13	19°28	23♊49	1♋ 7	25°15	20° 9	26°31	5♑29	6°54	2°15	n.a.	T 2
F 3	2 31 50	7° 0'55	11°52	22° 2	10°28	19°35	23°46	1° 5	25°18	20°10	26°33	5°17	6°51	2°21	n.a.	F 3
S 4	2 35 46	8° 1'57	23°44	21°30	11°44	19°42	23°42	1° 3	25°22	20°11	26°34	5° 8	6°48	2°28	n.a.	S 4
S 5	2 39 43	9° 3'00	5♐38	20°47	12°59	19°50	23°38	1° 1	25°26	20°12	26°36	5° 1	6°45	2°35	n.a.	S 5
M 6	2 43 39	10° 4'04	17°37	19°53	14°15	19°58	23°34	0°59	25°29	20°12	26°37	4°56	6°41	2°41	n.a.	M 6
T 7	2 47 36	11° 5'09	29°43	18°49	15°30	20° 8	23°30	0°57	25°33	20°13	26°39	4°D55	6°38	2°48	n.a.	T 7
W 8	2 51 32	12° 6'15	11♑59	17°37	16°46	20°18	23°25	0°54	25°37	20°14	26°40	4°55	6°35	2°55	n.a.	W 8
T 9	2 55 29	13° 7'21	24°30	16°19	18° 1	20°28	23°21	0°52	25°40	20°14	26°42	4°56	6°32	3° 2	n.a.	T 9
F 10	2 59 26	14° 8'28	7♒20	14°57	19°17	20°39	23°16	0°50	25°44	20°15	26°43	4°57	6°29	3° 8	n.a.	F 10
S 11	3 3 22	15° 9'36	20°33	13°34	20°32	20°51	23°11	0°47	25°48	20°16	26°45	4°R57	6°25	3°15	n.a.	S 11
S 12	3 7 19	16°10'44	4♓12	12°13	21°48	21° 3	23° 6	0°44	25°51	20°16	26°46	4°55	6°22	3°22	n.a.	S 12
M13	3 11 15	17°11'52	18°18	10°56	23° 3	21°16	23° 1	0°41	25°55	20°17	26°48	4°52	6°19	3°28	n.a.	M13
T 14	3 15 12	18°13'00	2♈52	9°46	24°19	21°30	22°55	0°38	25°58	20°17	26°49	4°46	6°16	3°35	n.a.	T 14
W15	3 19 8	19°14'09	17°48	8°45	25°34	21°44	22°50	0°35	26° 2	20°17	26°51	4°39	6°13	3°42	n.a.	W15
T 16	3 23 5	20°15'19	3♉ 0	7°54	26°50	21°59	22°44	0°32	26° 5	20°18	26°53	4°32	6°10	3°49	n.a.	T 16
F 17	3 27 1	21°16'29	18°17	7°14	28° 5	22°14	22°38	0°29	26° 9	20°18	26°54	4°25	6° 6	3°55	n.a.	F 17
S 18	3 30 58	22°17'40	3♊28	6°45	29°20	22°30	22°32	0°26	26°12	20°18	26°56	4°20	6° 3	4° 2	n.a.	S 18
S 19	3 34 55	23°18'51	18°23	6°27	0♐36	22°46	22°26	0°23	26°16	20°19	26°58	4°17	6° 0	4° 9	n.a.	S 19
M20	3 38 51	24°20'03	2♋56	6°D19	1°51	23° 3	22°20	0°19	26°19	20°19	26°59	4°D16	5°57	4°15	n.a.	M20
T 21	3 42 48	25°21'16	17° 1	6°22	3° 7	23°20	22°13	0°16	26°22	20°19	27° 1	4°17	5°54	4°22	n.a.	T 21
W22	3 46 44	26°22'29	0♌37	6°34	4°22	23°38	22° 7	0°12	26°26	20°19	27° 3	4°18	5°51	4°29	n.a.	W22
T 23	3 50 41	27°23'43	13°47	6°54	5°38	23°56	22° 0	0° 8	26°29	20°19	27° 5	4°20	5°47	4°36	n.a.	T 23
F 24	3 54 37	28°24'57	26°32	7°22	6°53	24°15	21°53	0° 5	26°32	20°19	27° 6	4°R21	5°44	4°42	n.a.	F 24
S 25	3 58 34	29°26'12	8♍58	7°56	8° 8	24°34	21°46	0° 1	26°36	20°20	27° 8	4°20	5°41	4°49	n.a.	S 25
S 26	4 2 31	0♐27'27	21° 9	8°37	9°24	24°53	21°39	29♊57	26°39	20°R20	27°10	4°18	5°38	4°56	n.a.	S 26
M27	4 6 27	1°28'43	3♎10	9°24	10°39	25°13	21°32	29°53	26°42	20°20	27°12	4°14	5°35	5° 2	n.a.	M27
T 28	4 10 24	2°29'59	15° 4	10°15	11°55	25°34	21°25	29°49	26°46	20°20	27°13	4° 9	5°31	5° 9	n.a.	T 28
W29	4 14 20	3°31'15	26°54	11°10	13°10	25°54	21°18	29°45	26°49	20°19	27°15	4° 4	5°28	5°16	n.a.	W29
T 30	4 18 17	4♐32'32	8♏45	12♏10	14♐25	26♓16	21♊10	29♊41	26♎52	20♌19	27♐17	3♑58	5♑25	5♏22	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13s20	11s45	4s56	20s11	1s37	13s58	0n22	5s19	1s 9	23n30	0s 4	23n19	0s24	9s26	0n27	15n53	1n 0	25s49	2s 9	23s36	23s32	16s43		n.a.
T 2	13 41	15 54	4 36	19 56	1 24	14 25	0 20	5 13	1 6	23 30	0 4	23 19	0 24	9 27	0 27	15 53	1 0	25 49	2 9	23 36	23 32	16 45		n.a.
F 3	14 1	19 26	4 4	19 36	1 9	14 51	0 18	5 8	1 3	23 30	0 4	23 19	0 24	9 29	0 27	15 53	1 0	25 49	2 9	23 37	23 32	16 47		n.a.
S 4	14 21	22 11	3 22	19 12	0 52	15 17	0 15	5 2	1 0	23 30	0 4	23 19	0 24	9 30	0 27	15 53	1 0	25 49	2 9	23 37	23 33	16 49		n.a.
S 5	14 41	23 58	2 30	18 43	0 35	15 43	0 13	4 57	0 57	23 30	0 4	23 19	0 24	9 31	0 27	15 52	1 0	25 50	2 9	23 37	23 33	16 51		n.a.
M 6	15 0	24 39	1 32	18 10	0 16	16 8	0 11	4 51	0 54	23 30	0 4	23 19	0 24	9 33	0 27	15 52	1 0	25 50	2 9	23 38	23 33	16 53		n.a.
T 7	15 20	24 11	0 28	17 33	0n 4	16 33	0 8	4 44	0 51	23 30	0 3	23 20	0 23	9 34	0 27	15 52	1 0	25 50	2 9	23 38	23 33	16 55		n.a.
W 8	15 39	22 32	0n38	16 53	0 25	16 57	0 6	4 38	0 48	23 30	0 3	23 20	0 23	9 35	0 27	15 52	1 0	25 50	2 9	23 38	23 33	16 57		n.a.
T 9	15 58	19 46	1 44	16 11	0 45	17 21	0 4	4 31	0 46	23 30	0 3	23 20	0 23	9 37	0 27	15 52	1 0	25 50	2 9	23 38	23 33	16 59		n.a.
F 10	16 16	15 59	2 46	15 28	1 6	17 44	0 1	4 24	0 43	23 30	0 3	23 20	0 23	9 38	0 27	15 52	1 0	25 50	2 9	23 38	23 34	17 1		n.a.
S 11	16 34	11 19	3 41	14 45	1 25	18 7	0s 1	4 17	0 40	23 30	0 3	23 20	0 23	9 39	0 27	15 51	1 0	25 50	2 9	23 38	23 34	17 3		n.a.
S 12	16 52	5 58	4 25	14 3	1 43	18 29	0 4	4 10	0 38	23 30	0 3	23 20	0 23	9 41	0 27	15 51	1 0	25 50	2 9	23 38	23 34	17 5		n.a.
M13	17 10	0 9	4 56	13 24	1 59	18 51	0 6	4 2	0 35	23 29	0 3	23 20	0 23	9 42	0 27	15 51	1 1	25 50	2 9	23 38	23 34	17 7		n.a.
T 14	17 27	5n51	5 8	12 49	2 13	19 12	0 8	3 54	0 33	23 29	0 2	23 20	0 23	9 43	0 27	15 51	1 1	25 50	2 9	23 38	23 34	17 9		n.a.
W15	17 44	11 40	5 0	12 18	2 25	19 33	0 11	3 46	0 30	23 29	0 2	23 20	0 23	9 45	0 27	15 51	1 1	25 50	2 9	23 38	23 34	17 11		n.a.
T 16	18 1	16 54	4 31	11 53	2 34	19 53	0 13	3 38	0 28	23 29	0 2	23 20	0 23	9 46	0 27	15 51	1 1	25 50	2 10	23 38	23 35	17 13		n.a.
F 17	18 17	21 2	3 43	11 33	2 42	20 13	0 16	3 30	0 25	23 29	0 2	23 20	0 23	9 47	0 27	15 51	1 1	25 51	2 10	23 39	23 35	17 15		n.a.
S 18	18 33	23 42	2 39	11 18	2 47	20 32	0 18	3 22	0 23	23 29	0 2	23 21	0 23	9 48	0 27	15 51	1 1	25 51	2 10	23 39	23 35	17 17		n.a.
S 19	18 49	24 37	1 25	11 9	2 50	20 51	0 20	3 13	0 21	23 28	0 2	23 21	0 23	9 50	0 27	15 51	1 1	25 51	2 10	23 39	23 35	17 19		n.a.
M20	19 5	23 49	0 7	11 5	2 52	21 9	0 23	3 4	0 19	23 28	0 2	23 21	0 22	9 51	0 27	15 51	1 1	25 51	2 10	23 39	23 35	17 21		n.a.
T 21	19 20	21 29	1s 9	11 6	2 52	21 26	0 25	2 56	0 16	23 28	0 1	23 21	0 22	9 52	0 27	15 51	1 1	25 51	2 10	23 39	23 35	17 22		n.a.
W22	19 34	18 0	2 18	11 11	2 51	21 43	0 27	2 46	0 14	23 28	0 1	23 21	0 22	9 53	0 27	15 51	1 1	25 51	2 10	23 39	23 35	17 24		n.a.
T 23	19 49	13 43	3 18	11 20	2 48	21 59	0 30	2 37	0 12	23 27	0 1	23 21	0 22	9 55	0 27	15 51	1 1	25 51	2 10	23 39	23 36	17 26		n.a.
F 24	20 2	8 57	4 7	11 32	2 45	22 14	0 32	2 28	0 10	23 27	0 1	23 21	0 22	9 56	0 27	15 51	1 1	25 51	2 10	23 39	23 36	17 28		n.a.
S 25	20 16	3 57	4 42	11 47	2 41	22 29	0 34	2 18	0 8	23 27	0 1	23 21	0 22	9 57	0 27	15 51	1 1	25 51	2 10	23 39	23 36	17 30		n.a.
S 26	20 29	1s 6	5 4	12 5	2 35	22 43	0 36	2 9	0 6	23 27	0 1	23 21	0 22	9 58	0 27	15 51	1 1	25 51	2 10	23 39	23 36	17 32		n.a.
M27	20 42	6 2	5 12	12 26	2 30	22 57	0 39	1 59	0 4	23 26	0 1	23 21	0 22	9 59	0 27	15 51	1 1	25 51	2 10	23 39	23 36	17 34		n.a.
T 28	20 54	10 42	5 6	12 48	2 23	23 9	0 41	1 49	0 2	23 26	0 0	23 21	0 22	10 1	0 27	15 51	1 1	25 52	2 10	23 39	23 36	17 36		n.a.
W29	21 6	14 57	4 48	13 11	2 17	23 21	0 43	1 39	0 0	23 26	0 0	23 22	0 22	10 2	0 27	15 51	1 1	25 52	2 10	23 39	23 36	17 38		n.a.
T 30	21s18	18s38	4s17	13s36	2n10	23s33	0s45	1s29	0n 1	23n25	0s 0	23n22	0s22	10s 3	0n27	15n51	1n 1	25s52	2s10	23s40	23s36	17s40		n.a.

Julian Day Number = 1646485.5, Delta T = 03h33m26s
Ecliptic obliquity = 23°43'14, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'05, Lahiri = - 6°47'04 Julian Calendar 1 Nov. 206 BCE == Greg. Calendar 28 Oct. 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 206 BCE
geocentric

DECEMBER 206 BCE (-205) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 22 13	5♐33'49	20♏38	13♏13	15♐41	26♓37	21°R 3	29°R36	26♎55	20°R19	27♐19	3°R53	5♑22	5♏29	n.a.	F 1
S 2	4 26 10	6°35'06	2♐34	14°18	16°56	26°59	20♊55	29♊32	26°58	20♌19	27°21	3♑48	5°19	5°36	n.a.	S 2
S 3	4 30 6	7°36'23	14°37	15°27	18°11	27°21	20°47	29°28	27° 1	20°19	27°23	3°45	5°16	5°43	n.a.	S 3
M 4	4 34 3	8°37'40	26°47	16°37	19°27	27°44	20°40	29°23	27° 4	20°19	27°25	3°44	5°12	5°49	n.a.	M 4
T 5	4 38 0	9°38'57	9♑ 6	17°50	20°42	28° 7	20°32	29°19	27° 7	20°18	27°26	3°D44	5° 9	5°56	n.a.	T 5
W 6	4 41 56	10°40'13	21°35	19° 5	21°57	28°31	20°24	29°14	27°10	20°18	27°28	3°45	5° 6	6° 3	n.a.	W 6
T 7	4 45 53	11°41'29	4♒17	20°21	23°13	28°54	20°16	29°10	27°13	20°18	27°30	3°46	5° 3	6° 9	n.a.	T 7
F 8	4 49 49	12°42'45	17°14	21°39	24°28	29°18	20° 8	29° 5	27°16	20°17	27°32	3°48	5° 0	6°16	n.a.	F 8
S 9	4 53 46	13°43'59	0♓29	22°59	25°43	29°43	20° 0	29° 0	27°19	20°17	27°34	3°49	4°56	6°23	n.a.	S 9
S 10	4 57 42	14°45'14	14° 3	24°19	26°58	0♈ 7	19°52	28°56	27°22	20°16	27°36	3°R50	4°53	6°30	n.a.	S 10
M11	5 1 39	15°46'27	27°58	25°41	28°14	0°32	19°44	28°51	27°25	20°16	27°38	3°49	4°50	6°36	n.a.	M11
T 12	5 5 35	16°47'40	12♈13	27° 3	29°29	0°58	19°36	28°46	27°27	20°15	27°40	3°48	4°47	6°43	n.a.	T 12
W13	5 9 32	17°48'52	26°47	28°27	0♑44	1°23	19°28	28°41	27°30	20°15	27°42	3°46	4°44	6°50	n.a.	W13
T 14	5 13 29	18°50'03	11♉35	29°51	1°59	1°49	19°20	28°37	27°33	20°14	27°44	3°44	4°41	6°56	n.a.	T 14
F 15	5 17 25	19°51'14	26°30	1♐16	3°14	2°15	19°12	28°32	27°35	20°14	27°46	3°42	4°37	7° 3	n.a.	F 15
S 16	5 21 22	20°52'24	11♊24	2°43	4°30	2°41	19° 4	28°27	27°38	20°13	27°48	3°41	4°34	7°10	n.a.	S 16
S 17	5 25 18	21°53'34	26°10	4° 9	5°45	3° 8	18°56	28°22	27°41	20°12	27°50	3°40	4°31	7°16	n.a.	S 17
M18	5 29 15	22°54'42	10♋40	5°37	7° 0	3°35	18°48	28°17	27°43	20°12	27°52	3°D40	4°28	7°23	n.a.	M18
T 19	5 33 11	23°55'51	24°48	7° 5	8°15	4° 2	18°40	28°12	27°46	20°11	27°54	3°41	4°25	7°30	n.a.	T 19
W20	5 37 8	24°56'58	8♌31	8°34	9°30	4°29	18°32	28° 7	27°48	20°10	27°55	3°42	4°22	7°37	n.a.	W20
T 21	5 41 5	25°58'05	21°49	10° 3	10°45	4°57	18°24	28° 2	27°51	20° 9	27°57	3°42	4°18	7°43	n.a.	T 21
F 22	5 45 1	26°59'12	4♍43	11°33	12° 0	5°25	18°16	27°57	27°53	20° 9	27°59	3°43	4°15	7°50	n.a.	F 22
S 23	5 48 58	28° 0'17	17°15	13° 4	13°15	5°53	18° 8	27°52	27°55	20° 8	28° 1	3°44	4°12	7°57	n.a.	S 23
S 24	5 52 54	29° 1'23	29°30	14°35	14°30	6°21	18° 0	27°47	27°58	20° 7	28° 3	3°R44	4° 9	8° 3	n.a.	S 24
M25	5 56 51	0♑ 2'27	11♎32	16° 7	15°45	6°49	17°52	27°43	28° 0	20° 6	28° 5	3°44	4° 6	8°10	n.a.	M25
T 26	6 0 47	1° 3'31	23°25	17°40	17° 0	7°18	17°44	27°38	28° 2	20° 5	28° 7	3°43	4° 2	8°17	n.a.	T 26
W27	6 4 44	2° 4'34	5♏16	19°13	18°15	7°46	17°37	27°33	28° 4	20° 4	28° 9	3°43	3°59	8°23	n.a.	W27
T 28	6 8 40	3° 5'37	17° 7	20°47	19°30	8°15	17°29	27°28	28° 6	20° 3	28°11	3°43	3°56	8°30	n.a.	T 28
F 29	6 12 37	4° 6'38	29° 2	22°22	20°45	8°45	17°22	27°23	28° 8	20° 2	28°13	3°D43	3°53	8°37	n.a.	F 29
S 30	6 16 34	5° 7'39	11♐ 4	23°57	22° 0	9°14	17°14	27°18	28°10	20° 1	28°15	3°43	3°50	8°44	n.a.	S 30
S 31	6 20 30	6♑ 8'39	23♐17	25♐32	23♑15	9♈44	17♊ 7	27♊13	28♎12	20♌ 0	28♐17	3♑43	3♑47	8♏50	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s29	21s34	3s35	14s 3	2n 2	23s43	0s47	1s19	0n 3	23n25	0n 0	23n22	0s22	10s 4	0n27	15n51	1n 1	25s52	2s10	23s40	23s37	17s42		n.a.
S 2	21 40	23 35	2 43	14 29	1 55	23 53	0 49	1 8	0 5	23 24	0 0	23 22	0 21	10 5	0 27	15 51	1 1	25 52	2 10	23 40	23 37	17 43		n.a.
S 3	21 50	24 32	1 43	14 57	1 47	24 2	0 51	0 58	0 7	23 24	0 0	23 22	0 21	10 6	0 27	15 51	1 1	25 52	2 10	23 40	23 37	17 45		n.a.
M 4	22 0	24 19	0 38	15 25	1 39	24 11	0 53	0 47	0 8	23 24	0 0	23 22	0 21	10 7	0 27	15 51	1 1	25 52	2 11	23 40	23 37	17 47		n.a.
T 5	22 9	22 55	0n30	15 53	1 31	24 19	0 55	0 36	0 10	23 23	0 1	23 22	0 21	10 8	0 27	15 52	1 2	25 52	2 11	23 40	23 37	17 49		n.a.
W 6	22 19	20 22	1 37	16 22	1 23	24 25	0 57	0 26	0 11	23 23	0 1	23 22	0 21	10 10	0 27	15 52	1 2	25 52	2 11	23 40	23 37	17 51		n.a.
T 7	22 27	16 49	2 41	16 50	1 15	24 32	0 59	0 15	0 13	23 22	0 1	23 22	0 21	10 11	0 27	15 52	1 2	25 52	2 11	23 40	23 37	17 53		n.a.
F 8	22 35	12 24	3 37	17 19	1 7	24 37	1 1	0 4	0 14	23 22	0 1	23 22	0 21	10 12	0 28	15 52	1 2	25 53	2 11	23 40	23 37	17 55		n.a.
S 9	22 43	7 19	4 24	17 47	0 59	24 42	1 3	0n 8	0 16	23 22	0 1	23 22	0 21	10 13	0 28	15 52	1 2	25 53	2 11	23 40	23 38	17 56		n.a.
S 10	22 50	1 47	4 57	18 15	0 51	24 46	1 5	0 19	0 17	23 21	0 1	23 22	0 21	10 14	0 28	15 52	1 2	25 53	2 11	23 40	23 38	17 58		n.a.
M11	22 57	3n59	5 14	18 42	0 43	24 49	1 6	0 30	0 19	23 21	0 2	23 22	0 21	10 15	0 28	15 53	1 2	25 53	2 11	23 40	23 38	18 0		n.a.
T 12	23 3	9 40	5 13	19 10	0 35	24 51	1 8	0 42	0 20	23 20	0 2	23 22	0 20	10 16	0 28	15 53	1 2	25 53	2 11	23 40	23 38	18 2		n.a.
W13	23 9	14 57	4 51	19 36	0 27	24 53	1 10	0 53	0 22	23 20	0 2	23 22	0 20	10 17	0 28	15 53	1 2	25 53	2 11	23 40	23 38	18 4		n.a.
T 14	23 15	19 26	4 10	20 2	0 20	24 54	1 11	1 5	0 23	23 19	0 2	23 23	0 20	10 18	0 28	15 53	1 2	25 53	2 11	23 40	23 38	18 6		n.a.
F 15	23 20	22 42	3 12	20 28	0 12	24 54	1 13	1 17	0 24	23 19	0 2	23 23	0 20	10 19	0 28	15 53	1 2	25 53	2 11	23 40	23 38	18 7		n.a.
S 16	23 24	24 24	2 0	20 53	0 4	24 53	1 14	1 28	0 26	23 18	0 2	23 23	0 20	10 19	0 28	15 54	1 2	25 53	2 11	23 40	23 38	18 9		n.a.
S 17	23 28	24 21	0 41	21 17	0s 3	24 51	1 16	1 40	0 27	23 18	0 2	23 23	0 20	10 20	0 28	15 54	1 2	25 54	2 11	23 40	23 39	18 11		n.a.
M18	23 32	22 39	0s39	21 40	0 10	24 49	1 17	1 52	0 28	23 17	0 3	23 23	0 20	10 21	0 28	15 54	1 2	25 54	2 12	23 40	23 39	18 13		n.a.
T 19	23 35	19 32	1 55	22 2	0 18	24 46	1 18	2 4	0 29	23 16	0 3	23 23	0 20	10 22	0 28	15 54	1 2	25 54	2 12	23 40	23 39	18 15		n.a.
W20	23 37	15 25	3 2	22 24	0 25	24 42	1 20	2 16	0 30	23 16	0 3	23 23	0 20	10 23	0 28	15 55	1 2	25 54	2 12	23 40	23 39	18 16		n.a.
T 21	23 39	10 40	3 57	22 44	0 31	24 37	1 21	2 28	0 32	23 15	0 3	23 23	0 19	10 24	0 28	15 55	1 2	25 54	2 12	23 40	23 39	18 18		n.a.
F 22	23 41	5 35	4 38	23 4	0 38	24 32	1 22	2 40	0 33	23 15	0 3	23 23	0 19	10 25	0 28	15 55	1 2	25 54	2 12	23 40	23 39	18 20		n.a.
S 23	23 42	0 26	5 4	23 22	0 45	24 26	1 23	2 53	0 34	23 14	0 3	23 23	0 19	10 26	0 28	15 56	1 2	25 54	2 12	23 40	23 39	18 22		n.a.
S 24	23 43	4s38	5 17	23 40	0 51	24 19	1 24	3 5	0 35	23 14	0 3	23 23	0 19	10 26	0 28	15 56	1 2	25 54	2 12	23 40	23 39	18 23		n.a.
M25	23 43	9 25	5 14	23 56	0 57	24 11	1 25	3 17	0 36	23 13	0 4	23 23	0 19	10 27	0 28	15 56	1 2	25 54	2 12	23 40	23 39	18 25		n.a.
T 26	23 43	13 49	4 59	24 11	1 3	24 3	1 26	3 30	0 37	23 13	0 4	23 23	0 19	10 28	0 28	15 57	1 2	25 55	2 12	23 40	23 39	18 27		n.a.
W27	23 42	17 40	4 31	24 25	1 9	23 54	1 27	3 42	0 38	23 12	0 4	23 23	0 19	10 29	0 28	15 57	1 2	25 55	2 12	23 40	23 40	18 29		n.a.
T 28	23 41	20 50	3 51	24 38	1 14	23 44	1 28	3 55	0 39	23 11	0 4	23 23	0 19	10 30	0 28	15 57	1 2	25 55	2 12	23 40	23 40	18 31		n.a.
F 29	23 39	23 7	3 1	24 49	1 19	23 33	1 29	4 7	0 40	23 11	0 4	23 23	0 19	10 30	0 28	15 58	1 3	25 55	2 12	23 40	23 40	18 32		n.a.
S 30	23 37	24 23	2 3	24 59	1 24	23 22	1 29	4 20	0 41	23 10	0 4	23 23	0 18	10 31	0 28	15 58	1 3	25 55	2 13	23 40	23 40	18 34		n.a.
S 31	23s35	24s30	0s58	25s 8	1s29	23s10	1s30	4n32	0n42	23n10	0n 4	23n23	0s18	10s32	0n28	15n58	1n 3	25s55	2s13	23s40	23s40	18s36		n.a.

Julian Day Number = 1646515.5, Delta T = 03h33m25s
Ecliptic obliquity = 23°43'13, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°54'01, Lahiri = - 6°47'00 Julian Calendar 1 Dec. 206 BCE == Greg. Calendar 27 Nov. 206 BCE

The year -205 astronomical counting style corresponds to year 206 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

JANUARY 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 24 27	7♑ 9'38	5♑41	27♐ 9	24♑30	10♈13	17°R 0	27°R 8	28♎14	19°R59	28♐19	3°R43	3♑43	8♏57	n.a.	M 1
T 2	6 28 23	8°10'35	18°17	28°46	25°45	10°43	16♊53	27♊ 3	28°16	19♌58	28°21	3♑43	3°40	9° 4	n.a.	T 2
W 3	6 32 20	9°11'31	1♒ 7	0♑24	27° 0	11°13	16°46	26°59	28°18	19°57	28°23	3°43	3°37	9°10	n.a.	W 3
T 4	6 36 16	10°12'26	14°11	2° 3	28°15	11°44	16°39	26°54	28°20	19°55	28°25	3°42	3°34	9°17	n.a.	T 4
F 5	6 40 13	11°13'19	27°28	3°42	29°30	12°14	16°32	26°49	28°21	19°54	28°27	3°41	3°31	9°24	n.a.	F 5
S 6	6 44 9	12°14'11	10♓58	5°22	0♒45	12°44	16°25	26°44	28°23	19°53	28°29	3°40	3°28	9°30	n.a.	S 6
S 7	6 48 6	13°15'01	24°40	7° 3	1°59	13°15	16°19	26°40	28°25	19°52	28°31	3°39	3°24	9°37	n.a.	S 7
M 8	6 52 3	14°15'50	8♈35	8°44	3°14	13°46	16°13	26°35	28°26	19°50	28°33	3°D39	3°21	9°44	n.a.	M 8
T 9	6 55 59	15°16'36	22°41	10°26	4°29	14°17	16° 6	26°31	28°28	19°49	28°34	3°39	3°18	9°51	n.a.	T 9
W10	6 59 56	16°17'21	6♉56	12°10	5°44	14°48	16° 0	26°26	28°29	19°48	28°36	3°39	3°15	9°57	n.a.	W10
T 11	7 3 52	17°18'05	21°19	13°54	6°58	15°19	15°54	26°22	28°30	19°47	28°38	3°40	3°12	10° 4	n.a.	T 11
F 12	7 7 49	18°18'46	5♊45	15°38	8°13	15°51	15°48	26°17	28°32	19°45	28°40	3°41	3° 8	10°11	n.a.	F 12
S 13	7 11 45	19°19'26	20°11	17°24	9°28	16°22	15°43	26°13	28°33	19°44	28°42	3°42	3° 5	10°17	n.a.	S 13
S 14	7 15 42	20°20'05	4♋31	19°10	10°42	16°54	15°37	26° 9	28°34	19°42	28°44	3°R43	3° 2	10°24	n.a.	S 14
M15	7 19 39	21°20'41	18°42	20°57	11°57	17°26	15°32	26° 4	28°36	19°41	28°46	3°42	2°59	10°31	n.a.	M15
T 16	7 23 35	22°21'16	2♌38	22°46	13°11	17°58	15°27	26° 0	28°37	19°40	28°47	3°41	2°56	10°37	n.a.	T 16
W17	7 27 32	23°21'49	16°15	24°34	14°26	18°30	15°22	25°56	28°38	19°38	28°49	3°38	2°53	10°44	n.a.	W17
T 18	7 31 28	24°22'21	29°32	26°24	15°40	19° 2	15°17	25°52	28°39	19°37	28°51	3°35	2°49	10°51	n.a.	T 18
F 19	7 35 25	25°22'51	12♍28	28°14	16°55	19°34	15°12	25°48	28°40	19°35	28°53	3°32	2°46	10°58	n.a.	F 19
S 20	7 39 21	26°23'20	25° 4	0♒ 5	18° 9	20° 6	15° 8	25°44	28°41	19°34	28°55	3°29	2°43	11° 4	n.a.	S 20
S 21	7 43 18	27°23'47	7♎22	1°57	19°23	20°39	15° 3	25°40	28°42	19°32	28°56	3°26	2°40	11°11	n.a.	S 21
M22	7 47 14	28°24'12	19°27	3°49	20°38	21°11	14°59	25°37	28°43	19°31	28°58	3°25	2°37	11°18	n.a.	M22
T 23	7 51 11	29°24'36	1♏22	5°42	21°52	21°44	14°55	25°33	28°43	19°29	29° 0	3°D24	2°34	11°24	n.a.	T 23
W24	7 55 7	0♒24'59	13°13	7°34	23° 6	22°16	14°51	25°29	28°44	19°28	29° 2	3°25	2°30	11°31	n.a.	W24
T 25	7 59 4	1°25'20	25° 4	9°27	24°21	22°49	14°48	25°26	28°45	19°26	29° 3	3°26	2°27	11°38	n.a.	T 25
F 26	8 3 1	2°25'40	7♐ 1	11°21	25°35	23°22	14°44	25°22	28°45	19°25	29° 5	3°28	2°24	11°44	n.a.	F 26
S 27	8 6 57	3°25'58	19° 7	13°13	26°49	23°55	14°41	25°19	28°46	19°23	29° 7	3°30	2°21	11°51	n.a.	S 27
S 28	8 10 54	4°26'14	1♑27	15° 6	28° 3	24°28	14°38	25°16	28°46	19°21	29° 9	3°R31	2°18	11°58	n.a.	S 28
M29	8 14 50	5°26'29	14° 3	16°57	29°17	25° 1	14°35	25°13	28°47	19°20	29°10	3°30	2°14	12° 4	n.a.	M29
T 30	8 18 47	6°26'41	26°57	18°48	0♓31	25°35	14°32	25°10	28°47	19°18	29°12	3°28	2°11	12°11	n.a.	T 30
W31	8 22 43	7♒26'52	10♒ 9	20♒37	1♓45	26♈ 8	14♊30	25♊ 6	28♎48	19♌17	29♐13	3♑24	2♑ 8	12♏18	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23s31	23s25	0n11	25s15	1s33	22s57	1s31	4n45	0n43	23n 9	0n 5	23n23	0s18	10s32	0n28	15n59	1n 3	25s55	2s13	23s40	23s40	18s37			n.a.
T 2	23 28	21 8	1 20	25 20	1 38	22 44	1 31	4 58	0 44	23 9	0 5	23 23	0 18	10 33	0 28	15 59	1 3	25 55	2 13	23 40	23 40	18 39			n.a.
W 3	23 24	17 46	2 26	25 25	1 41	22 30	1 32	5 10	0 45	23 8	0 5	23 23	0 18	10 34	0 28	16 0	1 3	25 56	2 13	23 40	23 40	18 41			n.a.
T 4	23 19	13 29	3 26	25 27	1 45	22 15	1 32	5 23	0 45	23 8	0 5	23 23	0 18	10 34	0 28	16 0	1 3	25 56	2 13	23 40	23 40	18 43			n.a.
F 5	23 14	8 30	4 16	25 28	1 48	22 0	1 32	5 36	0 46	23 7	0 5	23 23	0 18	10 35	0 28	16 0	1 3	25 56	2 13	23 40	23 40	18 44			n.a.
S 6	23 9	3 2	4 52	25 28	1 51	21 44	1 32	5 49	0 47	23 6	0 5	23 23	0 18	10 35	0 28	16 1	1 3	25 56	2 13	23 40	23 40	18 46			n.a.
S 7	23 3	2n38	5 13	25 26	1 54	21 27	1 33	6 2	0 48	23 6	0 5	23 23	0 18	10 36	0 28	16 1	1 3	25 56	2 13	23 40	23 41	18 48			n.a.
M 8	22 57	8 16	5 16	25 22	1 56	21 10	1 33	6 14	0 49	23 5	0 6	23 23	0 17	10 37	0 28	16 2	1 3	25 56	2 13	23 40	23 41	18 49			n.a.
T 9	22 50	13 33	5 0	25 16	1 58	20 52	1 33	6 27	0 50	23 5	0 6	23 23	0 17	10 37	0 28	16 2	1 3	25 56	2 14	23 40	23 41	18 51			n.a.
W10	22 43	18 9	4 25	25 8	2 0	20 33	1 33	6 40	0 50	23 4	0 6	23 23	0 17	10 38	0 28	16 3	1 3	25 56	2 14	23 40	23 41	18 53			n.a.
T 11	22 35	21 44	3 34	24 59	2 1	20 14	1 33	6 53	0 51	23 4	0 6	23 23	0 17	10 38	0 28	16 3	1 3	25 57	2 14	23 40	23 41	18 54			n.a.
F 12	22 27	23 57	2 29	24 48	2 1	19 55	1 32	7 6	0 52	23 3	0 6	23 23	0 17	10 39	0 28	16 4	1 3	25 57	2 14	23 40	23 41	18 56			n.a.
S 13	22 19	24 35	1 14	24 35	2 2	19 34	1 32	7 19	0 52	23 3	0 6	23 23	0 17	10 39	0 28	16 4	1 3	25 57	2 14	23 40	23 41	18 58			n.a.
S 14	22 10	23 34	0s 4	24 20	2 2	19 14	1 32	7 32	0 53	23 2	0 6	23 23	0 17	10 39	0 28	16 5	1 3	25 57	2 14	23 40	23 41	18 59			n.a.
M15	22 0	21 3	1 22	24 3	2 1	18 52	1 31	7 45	0 54	23 2	0 7	23 23	0 17	10 40	0 28	16 5	1 3	25 57	2 14	23 40	23 41	19 1			n.a.
T 16	21 50	17 19	2 33	23 44	2 0	18 30	1 31	7 58	0 55	23 2	0 7	23 23	0 16	10 40	0 28	16 5	1 3	25 57	2 14	23 40	23 41	19 3			n.a.
W17	21 40	12 45	3 34	23 24	1 58	18 8	1 30	8 11	0 55	23 1	0 7	23 23	0 16	10 41	0 28	16 6	1 3	25 57	2 14	23 40	23 41	19 4			n.a.
T 18	21 30	7 42	4 21	23 1	1 56	17 45	1 30	8 24	0 56	23 1	0 7	23 23	0 16	10 41	0 28	16 6	1 3	25 57	2 15	23 40	23 41	19 6			n.a.
F 19	21 19	2 27	4 54	22 36	1 53	17 22	1 29	8 37	0 56	23 0	0 7	23 23	0 16	10 41	0 28	16 7	1 3	25 58	2 15	23 40	23 41	19 8			n.a.
S 20	21 7	2s46	5 11	22 10	1 50	16 58	1 28	8 50	0 57	23 0	0 7	23 23	0 16	10 42	0 28	16 7	1 3	25 58	2 15	23 40	23 42	19 9			n.a.
S 21	20 56	7 45	5 14	21 41	1 46	16 34	1 28	9 3	0 58	23 0	0 7	23 23	0 16	10 42	0 28	16 8	1 3	25 58	2 15	23 40	23 42	19 11			n.a.
M22	20 43	12 21	5 2	21 10	1 42	16 9	1 27	9 15	0 58	22 59	0 7	23 23	0 16	10 42	0 28	16 8	1 3	25 58	2 15	23 41	23 42	19 13			n.a.
T 23	20 31	16 25	4 38	20 38	1 37	15 44	1 26	9 28	0 59	22 59	0 8	23 23	0 16	10 42	0 28	16 9	1 3	25 58	2 15	23 41	23 42	19 14			n.a.
W24	20 18	19 50	4 2	20 3	1 31	15 18	1 25	9 41	0 59	22 59	0 8	23 23	0 15	10 43	0 28	16 9	1 3	25 58	2 15	23 41	23 42	19 16			n.a.
T 25	20 5	22 25	3 16	19 27	1 25	14 52	1 24	9 54	1 0	22 58	0 8	23 23	0 15	10 43	0 28	16 10	1 3	25 58	2 15	23 40	23 42	19 17			n.a.
F 26	19 51	24 2	2 20	18 49	1 18	14 26	1 23	10 7	1 1	22 58	0 8	23 23	0 15	10 43	0 28	16 11	1 3	25 58	2 15	23 40	23 42	19 19			n.a.
S 27	19 37	24 34	1 18	18 10	1 10	13 59	1 21	10 20	1 1	22 58	0 8	23 23	0 15	10 43	0 28	16 11	1 3	25 59	2 16	23 40	23 42	19 21			n.a.
S 28	19 23	23 54	0 11	17 28	1 1	13 32	1 20	10 33	1 2	22 57	0 8	23 23	0 15	10 43	0 28	16 12	1 3	25 59	2 16	23 40	23 42	19 22			n.a.
M29	19 8	22 1	0n57	16 46	0 52	13 5	1 19	10 45	1 2	22 57	0 8	23 23	0 15	10 44	0 28	16 12	1 3	25 59	2 16	23 40	23 42	19 24			n.a.
T 30	18 53	18 59	2 5	16 2	0 42	12 37	1 17	10 58	1 3	22 57	0 8	23 23	0 15	10 44	0 28	16 13	1 3	25 59	2 16	23 40	23 42	19 25			n.a.
W31	18s37	14s55	3n 7	15s18	0s32	12s 9	1s16	11n11	1n 3	22n57	0n 9	23n23	0s15	10s44	0n28	16n13	1n 3	25s59	2s16	23s41	23s42	19s27			n.a.

Julian Day Number = 1646546.5, Delta T = 03h33m24s
Ecliptic obliquity = 23°43'12, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'57, Lahiri = - 6°46'56 Julian Calendar 1 Jan. 205 BCE == Greg. Calendar 28 Dec. 206 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

FEBRUARY 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 26 40	8♒27'01	23♒38	22♒24	2♓59	26♈41	14°R27	25°R 4	28♎48	19°R15	29♐15	3°R19	2♑ 5	12♏25	n.a.	T 1
F 2	8 30 36	9°27'08	7♓23	24° 9	4°13	27°15	14♊25	25♊ 1	28°48	19♌13	29°17	3♑13	2° 2	12°31	n.a.	F 2
S 3	8 34 33	10°27'12	21°19	25°51	5°27	27°48	14°23	24°58	28°48	19°12	29°18	3° 7	1°59	12°38	n.a.	S 3
S 4	8 38 30	11°27'15	5♈23	27°29	6°41	28°22	14°21	24°55	28°48	19°10	29°20	3° 2	1°55	12°45	n.a.	S 4
M 5	8 42 26	12°27'15	19°31	29° 4	7°55	28°56	14°20	24°53	28°48	19° 8	29°21	2°58	1°52	12°51	n.a.	M 5
T 6	8 46 23	13°27'13	3♉42	0♓34	9° 9	29°30	14°19	24°50	28°R48	19° 7	29°23	2°56	1°49	12°58	n.a.	T 6
W 7	8 50 19	14°27'08	17°51	2° 0	10°23	0♉ 3	14°17	24°48	28°48	19° 5	29°24	2°D56	1°46	13° 5	n.a.	W 7
T 8	8 54 16	15°27'01	1♊58	3°20	11°36	0°37	14°16	24°46	28°48	19° 3	29°26	2°57	1°43	13°11	n.a.	T 8
F 9	8 58 12	16°26'52	16° 2	4°33	12°50	1°11	14°16	24°44	28°48	19° 2	29°27	2°58	1°40	13°18	n.a.	F 9
S 10	9 2 9	17°26'41	0♋ 1	5°41	14° 4	1°45	14°15	24°42	28°48	19° 0	29°29	2°R59	1°36	13°25	n.a.	S 10
S 11	9 6 5	18°26'27	13°53	6°41	15°17	2°20	14°15	24°40	28°48	18°58	29°30	2°58	1°33	13°31	n.a.	S 11
M12	9 10 2	19°26'11	27°36	7°34	16°31	2°54	14°D15	24°38	28°47	18°57	29°32	2°56	1°30	13°38	n.a.	M12
T 13	9 13 59	20°25'53	11♌ 9	8°19	17°44	3°28	14°15	24°36	28°47	18°55	29°33	2°51	1°27	13°45	n.a.	T 13
W14	9 17 55	21°25'33	24°28	8°57	18°58	4° 2	14°15	24°35	28°47	18°53	29°34	2°44	1°24	13°51	n.a.	W14
T 15	9 21 52	22°25'10	7♍33	9°26	20°11	4°37	14°15	24°33	28°46	18°52	29°36	2°36	1°20	13°58	n.a.	T 15
F 16	9 25 48	23°24'45	20°22	9°47	21°24	5°11	14°16	24°32	28°46	18°50	29°37	2°26	1°17	14° 5	n.a.	F 16
S 17	9 29 45	24°24'19	2♎54	9°59	22°37	5°46	14°17	24°30	28°45	18°48	29°38	2°17	1°14	14°12	n.a.	S 17
S 18	9 33 41	25°23'50	15°11	10°R 3	23°51	6°20	14°18	24°29	28°44	18°47	29°40	2° 9	1°11	14°18	n.a.	S 18
M19	9 37 38	26°23'20	27°16	10° 0	25° 4	6°55	14°19	24°28	28°44	18°45	29°41	2° 3	1° 8	14°25	n.a.	M19
T 20	9 41 34	27°22'47	9♏11	9°48	26°17	7°29	14°20	24°27	28°43	18°43	29°42	1°58	1° 5	14°32	n.a.	T 20
W21	9 45 31	28°22'13	21° 2	9°29	27°30	8° 4	14°22	24°26	28°42	18°42	29°43	1°56	1° 1	14°38	n.a.	W21
T 22	9 49 28	29°21'37	2♐53	9° 3	28°43	8°39	14°23	24°26	28°41	18°40	29°44	1°D56	0°58	14°45	n.a.	T 22
F 23	9 53 24	0♓20'59	14°49	8°30	29°56	9°13	14°25	24°25	28°41	18°39	29°46	1°57	0°55	14°52	n.a.	F 23
S 24	9 57 21	1°20'19	26°56	7°53	1♈ 9	9°48	14°27	24°24	28°40	18°37	29°47	1°R58	0°52	14°58	n.a.	S 24
S 25	10 1 17	2°19'37	9♑18	7°10	2°22	10°23	14°30	24°24	28°39	18°35	29°48	1°58	0°49	15° 5	n.a.	S 25
M26	10 5 14	3°18'54	22° 0	6°24	3°34	10°58	14°32	24°24	28°38	18°34	29°49	1°56	0°46	15°12	n.a.	M26
T 27	10 9 10	4°18'08	5♒ 5	5°36	4°47	11°33	14°35	24°24	28°37	18°32	29°50	1°51	0°42	15°18	n.a.	T 27
W28	10 13 7	5°17'20	18°34	4°45	6° 0	12° 8	14°38	24°D23	28°36	18°31	29°51	1°44	0°39	15°25	n.a.	W28
T 29	10 17 3	6♓16'31	2♓25	3♓55	7♈12	12♉43	14♊41	24♊23	28♎34	18♌29	29♐52	1♑35	0♑36	15♏32	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	18s22	10s 2	4n 0	14s32	0s21	11s41	1s14	11n24	1n 4	22n57	0n 9	23n23	0s14	10s44	0n28	16n14	1n 4	25s59	2s16	23s41	23s42	19s28		n.a.	T 1
F 2	18 6	4 35	4 40	13 46	0 9	11 12	1 13	11 36	1 4	22 57	0 9	23 23	0 14	10 44	0 28	16 14	1 4	25 59	2 16	23 41	23 42	19 30		n.a.	F 2
S 3	17 49	1n10	5 4	13 0	0n 3	10 43	1 11	11 49	1 4	22 56	0 9	23 23	0 14	10 44	0 28	16 15	1 4	26 0	2 16	23 41	23 42	19 31		n.a.	S 3
S 4	17 33	6 54	5 10	12 14	0 16	10 14	1 9	12 2	1 5	22 56	0 9	23 23	0 14	10 44	0 28	16 15	1 4	26 0	2 17	23 41	23 42	19 33		n.a.	S 4
M 5	17 16	12 18	4 58	11 29	0 29	9 44	1 7	12 14	1 5	22 56	0 9	23 23	0 14	10 44	0 28	16 16	1 4	26 0	2 17	23 41	23 42	19 35		n.a.	M 5
T 6	16 59	17 4	4 27	10 44	0 43	9 14	1 5	12 27	1 6	22 56	0 9	23 23	0 14	10 44	0 28	16 16	1 4	26 0	2 17	23 41	23 42	19 36		n.a.	T 6
W 7	16 41	20 52	3 40	10 0	0 57	8 44	1 3	12 39	1 6	22 56	0 9	23 23	0 14	10 44	0 28	16 17	1 4	26 0	2 17	23 41	23 42	19 38		n.a.	W 7
T 8	16 23	23 25	2 40	9 18	1 11	8 14	1 1	12 52	1 7	22 56	0 9	23 23	0 13	10 44	0 28	16 17	1 4	26 0	2 17	23 41	23 43	19 39		n.a.	T 8
F 9	16 5	24 29	1 31	8 38	1 25	7 44	0 59	13 4	1 7	22 56	0 10	23 23	0 13	10 44	0 28	16 18	1 4	26 0	2 17	23 41	23 43	19 41		n.a.	F 9
S 10	15 47	23 59	0 16	8 0	1 39	7 13	0 57	13 17	1 7	22 56	0 10	23 24	0 13	10 44	0 29	16 19	1 4	26 1	2 17	23 41	23 43	19 42		n.a.	S 10
S 11	15 29	22 1	0s59	7 24	1 53	6 43	0 55	13 29	1 8	22 56	0 10	23 24	0 13	10 44	0 29	16 19	1 4	26 1	2 18	23 41	23 43	19 44		n.a.	S 11
M12	15 10	18 47	2 9	6 52	2 7	6 12	0 53	13 41	1 8	22 56	0 10	23 24	0 13	10 44	0 29	16 20	1 4	26 1	2 18	23 41	23 43	19 45		n.a.	M12
T 13	14 51	14 34	3 11	6 22	2 21	5 41	0 51	13 53	1 9	22 57	0 10	23 24	0 13	10 43	0 29	16 20	1 4	26 1	2 18	23 41	23 43	19 47		n.a.	T 13
W14	14 32	9 44	4 1	5 56	2 34	5 9	0 48	14 5	1 9	22 57	0 10	23 24	0 13	10 43	0 29	16 21	1 4	26 1	2 18	23 41	23 43	19 48		n.a.	W14
T 15	14 12	4 32	4 38	5 34	2 46	4 38	0 46	14 18	1 9	22 57	0 10	23 24	0 13	10 43	0 29	16 21	1 4	26 1	2 18	23 42	23 43	19 50		n.a.	T 15
F 16	13 52	0s43	5 0	5 16	2 57	4 7	0 44	14 30	1 10	22 57	0 10	23 24	0 12	10 43	0 29	16 22	1 4	26 1	2 18	23 42	23 43	19 51		n.a.	F 16
S 17	13 32	5 50	5 6	5 1	3 7	3 35	0 41	14 42	1 10	22 57	0 10	23 24	0 12	10 43	0 29	16 22	1 4	26 2	2 18	23 42	23 43	19 53		n.a.	S 17
S 18	13 12	10 37	4 58	4 51	3 17	3 4	0 39	14 53	1 10	22 57	0 10	23 24	0 12	10 42	0 29	16 23	1 4	26 2	2 18	23 42	23 43	19 54		n.a.	S 18
M19	12 52	14 55	4 37	4 45	3 25	2 32	0 36	15 5	1 11	22 58	0 11	23 24	0 12	10 42	0 29	16 23	1 4	26 2	2 19	23 42	23 43	19 56		n.a.	M19
T 20	12 31	18 35	4 5	4 44	3 31	2 0	0 33	15 17	1 11	22 58	0 11	23 24	0 12	10 42	0 29	16 24	1 4	26 2	2 19	23 42	23 43	19 57		n.a.	T 20
W21	12 11	21 27	3 21	4 46	3 36	1 28	0 31	15 29	1 11	22 58	0 11	23 24	0 12	10 42	0 29	16 24	1 4	26 2	2 19	23 42	23 43	19 58		n.a.	W21
T 22	11 50	23 25	2 29	4 53	3 40	0 57	0 28	15 40	1 11	22 58	0 11	23 24	0 12	10 41	0 29	16 25	1 4	26 2	2 19	23 42	23 43	20 0		n.a.	T 22
F 23	11 29	24 21	1 31	5 4	3 41	0 25	0 25	15 52	1 12	22 59	0 11	23 24	0 12	10 41	0 29	16 25	1 4	26 2	2 19	23 42	23 43	20 1		n.a.	F 23
S 24	11 7	24 8	0 27	5 18	3 41	0n 7	0 22	16 4	1 12	22 59	0 11	23 25	0 11	10 41	0 29	16 26	1 4	26 3	2 19	23 42	23 43	20 3		n.a.	S 24
S 25	10 46	22 44	0n39	5 35	3 39	0 39	0 20	16 15	1 12	22 59	0 11	23 25	0 11	10 40	0 29	16 26	1 4	26 3	2 19	23 42	23 43	20 4		n.a.	S 25
M26	10 24	20 10	1 45	5 56	3 35	1 11	0 17	16 26	1 13	23 0	0 11	23 25	0 11	10 40	0 29	16 27	1 4	26 3	2 20	23 42	23 43	20 6		n.a.	M26
T 27	10 3	16 31	2 47	6 19	3 30	1 43	0 14	16 38	1 13	23 0	0 11	23 25	0 11	10 40	0 29	16 27	1 4	26 3	2 20	23 42	23 43	20 7		n.a.	T 27
W28	9 41	11 56	3 42	6 44	3 22	2 15	0 11	16 49	1 13	23 1	0 11	23 25	0 11	10 39	0 29	16 28	1 4	26 3	2 20	23 43	23 43	20 9		n.a.	W28
T 29	9s19	6s37	4n25	7s11	3n14	2n46	0s 8	17n 0	1n13	23n 1	0n11	23n25	0s11	10s39	0n29	16n28	1n 4	26s 3	2s20	23s43	23s43	20s10		n.a.	T 29

Julian Day Number = 1646577.5, Delta T = 03h33m23s
Ecliptic obliquity = 23°43'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'52, Lahiri = - 6°46'52 Julian Calendar 1 Feb. 205 BCE == Greg. Calendar 28 Jan. 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

MARCH 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 21 0	7♓15'39	16♓36	3°R 4	8♈25	13♉18	14♊44	24♊24	28°R33	18°R27	29♐53	1°R25	0♑33	15♏38	n.a.	F 1
S 2	10 24 56	8°14'45	1♈ 0	2♓15	9°37	13°53	14°47	24°24	28♎32	18♌26	29°54	1♑14	0°30	15°45	n.a.	S 2
S 3	10 28 53	9°13'48	15°31	1°28	10°50	14°28	14°51	24°24	28°31	18°24	29°55	1° 5	0°26	15°52	n.a.	S 3
M 4	10 32 50	10°12'49	0♉ 3	0°44	12° 2	15° 3	14°55	24°25	28°29	18°23	29°56	0°57	0°23	15°59	n.a.	M 4
T 5	10 36 46	11°11'48	14°30	0° 4	13°14	15°38	14°59	24°25	28°28	18°21	29°57	0°52	0°20	16° 5	n.a.	T 5
W 6	10 40 43	12°10'45	28°48	29♒29	14°26	16°14	15° 3	24°26	28°26	18°20	29°57	0°50	0°17	16°12	n.a.	W 6
T 7	10 44 39	13° 9'39	12♊54	28°57	15°39	16°49	15° 7	24°27	28°25	18°18	29°58	0°D49	0°14	16°19	n.a.	T 7
F 8	10 48 36	14° 8'31	26°48	28°31	16°51	17°24	15°12	24°28	28°23	18°17	29°59	0°R49	0°11	16°25	n.a.	F 8
S 9	10 52 32	15° 7'21	10♋30	28°10	18° 3	18° 0	15°16	24°29	28°22	18°15	29°59	0°49	0° 7	16°32	n.a.	S 9
S 10	10 56 29	16° 6'08	24° 0	27°55	19°15	18°35	15°21	24°30	28°20	18°14	0♑ 0	0°47	0° 4	16°39	n.a.	S 10
M11	11 0 25	17° 4'52	7♌20	27°45	20°26	19°11	15°26	24°31	28°19	18°13	0° 1	0°43	0° 1	16°45	n.a.	M11
T 12	11 4 22	18° 3'35	20°29	27°D40	21°38	19°46	15°31	24°32	28°17	18°11	0° 2	0°36	29♐58	16°52	n.a.	T 12
W13	11 8 19	19° 2'15	3♍26	27°40	22°50	20°22	15°36	24°34	28°15	18°10	0° 2	0°25	29°55	16°59	n.a.	W13
T 14	11 12 15	20° 0'53	16°12	27°46	24° 1	20°57	15°42	24°35	28°14	18° 8	0° 3	0°13	29°51	17° 5	n.a.	T 14
F 15	11 16 12	20°59'29	28°47	27°57	25°13	21°33	15°47	24°37	28°12	18° 7	0° 4	0° 0	29°48	17°12	n.a.	F 15
S 16	11 20 8	21°58'03	11♎ 9	28°13	26°24	22° 8	15°53	24°39	28°10	18° 6	0° 4	29♐47	29°45	17°19	n.a.	S 16
S 17	11 24 5	22°56'35	23°19	28°33	27°36	22°44	15°59	24°41	28° 8	18° 4	0° 5	29°35	29°42	17°25	n.a.	S 17
M18	11 28 1	23°55'05	5♏20	28°59	28°47	23°19	16° 5	24°43	28° 6	18° 3	0° 5	29°25	29°39	17°32	n.a.	M18
T 19	11 31 58	24°53'33	17°13	29°28	29°58	23°55	16°11	24°45	28° 4	18° 2	0° 6	29°17	29°36	17°39	n.a.	T 19
W20	11 35 54	25°52'00	29° 3	0♓ 2	1♉ 9	24°31	16°17	24°47	28° 2	18° 1	0° 6	29°13	29°32	17°45	n.a.	W20
T 21	11 39 51	26°50'25	10♐52	0°39	2°20	25° 6	16°24	24°49	28° 0	17°59	0° 7	29°11	29°29	17°52	n.a.	T 21
F 22	11 43 47	27°48'48	22°47	1°21	3°31	25°42	16°30	24°52	27°58	17°58	0° 7	29°10	29°26	17°59	n.a.	F 22
S 23	11 47 44	28°47'09	4♑52	2° 6	4°42	26°18	16°37	24°54	27°56	17°57	0° 7	29°10	29°23	18° 5	n.a.	S 23
S 24	11 51 41	29°45'29	17°14	2°54	5°53	26°54	16°44	24°57	27°54	17°56	0° 8	29° 9	29°20	18°12	n.a.	S 24
M25	11 55 37	0♈43'47	29°56	3°46	7° 3	27°29	16°51	24°59	27°52	17°55	0° 8	29° 7	29°17	18°19	n.a.	M25
T 26	11 59 34	1°42'04	13♒ 4	4°41	8°14	28° 5	16°58	25° 2	27°50	17°54	0° 8	29° 3	29°13	18°26	n.a.	T 26
W27	12 3 30	2°40'19	26°39	5°40	9°25	28°41	17° 6	25° 5	27°48	17°53	0° 9	28°55	29°10	18°32	n.a.	W27
T 28	12 7 27	3°38'32	10♓42	6°41	10°35	29°17	17°13	25° 8	27°46	17°51	0° 9	28°46	29° 7	18°39	n.a.	T 28
F 29	12 11 23	4°36'43	25° 9	7°44	11°45	29°53	17°21	25°11	27°43	17°50	0° 9	28°35	29° 4	18°46	n.a.	F 29
S 30	12 15 20	5°34'53	9♈54	8°51	12°55	0♊29	17°28	25°14	27°41	17°49	0° 9	28°23	29° 1	18°52	n.a.	S 30
S 31	12 19 16	6♈33'01	24♈49	10♓ 0	14♉ 6	1♊ 5	17♊36	25♊18	27♎39	17♌48	0♑ 9	28♐13	28♐57	18♏59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	8s57	0s52	4n53	7s39	3n 3	3n18	0s 5	17n11	1n14	23n 2	0n12	23n25	0s11	10s38	0n29	16n29	1n 4	26s 3	2s20	23s43	23s43	20s11		n.a.
S 2	8 34	5n 1	5 3	8 8	2 51	3 50	0 2	17 22	1 14	23 2	0 12	23 25	0 11	10 38	0 29	16 29	1 4	26 4	2 20	23 43	23 43	20 13		n.a.
S 3	8 12	10 41	4 53	8 37	2 39	4 21	0n 1	17 33	1 14	23 3	0 12	23 26	0 10	10 37	0 29	16 30	1 4	26 4	2 21	23 43	23 43	20 14		n.a.
M 4	7 50	15 45	4 25	9 5	2 25	4 53	0 4	17 43	1 14	23 3	0 12	23 26	0 10	10 37	0 29	16 30	1 4	26 4	2 21	23 43	23 43	20 16		n.a.
T 5	7 27	19 52	3 40	9 33	2 10	5 24	0 7	17 54	1 14	23 4	0 12	23 26	0 10	10 36	0 29	16 31	1 4	26 4	2 21	23 43	23 43	20 17		n.a.
W 6	7 4	22 45	2 41	9 59	1 55	5 55	0 10	18 5	1 15	23 4	0 12	23 26	0 10	10 36	0 29	16 31	1 4	26 4	2 21	23 43	23 43	20 18		n.a.
T 7	6 42	24 10	1 34	10 25	1 40	6 26	0 14	18 15	1 15	23 5	0 12	23 26	0 10	10 35	0 29	16 32	1 4	26 4	2 21	23 43	23 43	20 20		n.a.
F 8	6 19	24 2	0 21	10 49	1 24	6 57	0 17	18 25	1 15	23 5	0 12	23 26	0 10	10 35	0 29	16 32	1 4	26 4	2 21	23 43	23 43	20 21		n.a.
S 9	5 56	22 27	0s51	11 11	1 9	7 28	0 20	18 36	1 15	23 6	0 12	23 26	0 10	10 34	0 29	16 33	1 4	26 5	2 21	23 43	23 43	20 22		n.a.
S 10	5 33	19 36	2 0	11 31	0 53	7 58	0 23	18 46	1 15	23 7	0 12	23 27	0 10	10 34	0 29	16 33	1 4	26 5	2 22	23 43	23 43	20 24		n.a.
M11	5 10	15 45	3 0	11 49	0 38	8 29	0 26	18 56	1 16	23 7	0 12	23 27	0 10	10 33	0 29	16 34	1 4	26 5	2 22	23 43	23 43	20 25		n.a.
T 12	4 46	11 11	3 51	12 4	0 22	8 59	0 30	19 6	1 16	23 8	0 13	23 27	0 9	10 32	0 29	16 34	1 4	26 5	2 22	23 43	23 43	20 26		n.a.
W13	4 23	6 12	4 28	12 18	0 8	9 29	0 33	19 16	1 16	23 8	0 13	23 27	0 9	10 32	0 29	16 34	1 4	26 5	2 22	23 43	23 43	20 28		n.a.
T 14	4 0	1 2	4 51	12 29	0s 7	9 59	0 36	19 26	1 16	23 9	0 13	23 27	0 9	10 31	0 29	16 35	1 4	26 5	2 22	23 43	23 43	20 29		n.a.
F 15	3 37	4s 5	5 0	12 39	0 20	10 28	0 39	19 35	1 16	23 10	0 13	23 28	0 9	10 30	0 29	16 35	1 4	26 6	2 22	23 43	23 43	20 30		n.a.
S 16	3 13	8 58	4 54	12 45	0 34	10 58	0 42	19 45	1 16	23 11	0 13	23 28	0 9	10 30	0 29	16 36	1 4	26 6	2 23	23 43	23 43	20 32		n.a.
S 17	2 50	13 25	4 35	12 50	0 46	11 27	0 46	19 54	1 17	23 11	0 13	23 28	0 9	10 29	0 29	16 36	1 4	26 6	2 23	23 43	23 43	20 33		n.a.
M18	2 27	17 17	4 4	12 52	0 58	11 56	0 49	20 4	1 17	23 12	0 13	23 28	0 9	10 28	0 29	16 36	1 4	26 6	2 23	23 43	23 43	20 34		n.a.
T 19	2 3	20 24	3 22	12 53	1 10	12 24	0 52	20 13	1 17	23 13	0 13	23 28	0 9	10 28	0 29	16 37	1 4	26 6	2 23	23 43	23 43	20 36		n.a.
W20	1 40	22 39	2 32	12 51	1 20	12 52	0 55	20 22	1 17	23 13	0 13	23 28	0 8	10 27	0 29	16 37	1 4	26 6	2 23	23 43	23 43	20 37		n.a.
T 21	1 16	23 55	1 35	12 47	1 31	13 20	0 59	20 31	1 17	23 14	0 13	23 29	0 8	10 26	0 29	16 38	1 4	26 7	2 23	23 43	23 43	20 38		n.a.
F 22	0 53	24 5	0 34	12 41	1 40	13 48	1 2	20 40	1 17	23 15	0 13	23 29	0 8	10 25	0 29	16 38	1 4	26 7	2 23	23 43	23 43	20 40		n.a.
S 23	0 29	23 8	0n30	12 33	1 49	14 15	1 5	20 48	1 17	23 16	0 13	23 29	0 8	10 25	0 29	16 38	1 4	26 7	2 24	23 43	23 43	20 41		n.a.
S 24	0 6	21 2	1 34	12 22	1 57	14 42	1 8	20 57	1 18	23 16	0 13	23 29	0 8	10 24	0 29	16 39	1 4	26 7	2 24	23 43	23 43	20 42		n.a.
M25	0n18	17 53	2 35	12 10	2 5	15 9	1 11	21 5	1 18	23 17	0 14	23 30	0 8	10 23	0 29	16 39	1 4	26 7	2 24	23 43	23 43	20 43		n.a.
T 26	0 41	13 44	3 30	11 56	2 11	15 35	1 14	21 14	1 18	23 18	0 14	23 30	0 8	10 22	0 29	16 39	1 4	26 7	2 24	23 43	23 43	20 45		n.a.
W27	1 4	8 47	4 15	11 40	2 18	16 1	1 17	21 22	1 18	23 19	0 14	23 30	0 8	10 22	0 29	16 40	1 4	26 7	2 24	23 43	23 43	20 46		n.a.
T 28	1 28	3 14	4 46	11 23	2 23	16 27	1 20	21 30	1 18	23 20	0 14	23 30	0 8	10 21	0 29	16 40	1 4	26 8	2 24	23 43	23 43	20 47		n.a.
F 29	1 51	2n38	5 0	11 3	2 28	16 52	1 24	21 38	1 18	23 20	0 14	23 30	0 7	10 20	0 29	16 40	1 4	26 8	2 25	23 43	23 43	20 48		n.a.
S 30	2 15	8 28	4 55	10 42	2 32	17 16	1 27	21 46	1 18	23 21	0 14	23 31	0 7	10 19	0 29	16 41	1 4	26 8	2 25	23 43	23 43	20 50		n.a.
S 31	2n38	13n53	4n29	10s19	2s36	17n41	1n30	21n53	1n18	23n22	0n14	23n31	0s 7	10s18	0n29	16n41	1n 3	26s 8	2s25	23s42	23s43	20s51		n.a.

Julian Day Number = 1646606.5, Delta T = 03h33m22s
Ecliptic obliquity = 23°43'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'48, Lahiri = - 6°46'48 Julian Calendar 1 March 205 BCE == Greg. Calendar 26 Feb. 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

APRIL 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 23 13	7♈31'07	9♉45	11♓12	15♉16	1♊41	17♊44	25♊21	27°R37	17°R47	0♑10	28°R 4	28♐54	19♏ 6	n.a.	M 1
T 2	12 27 10	8°29'11	24°34	12°26	16°26	2°17	17°52	25°24	27♎34	17♌47	0°10	27♐59	28°51	19°12	n.a.	T 2
W 3	12 31 6	9°27'13	9♊ 8	13°42	17°35	2°53	18° 0	25°28	27°32	17°46	0°10	27°56	28°48	19°19	n.a.	W 3
T 4	12 35 3	10°25'13	23°24	15° 1	18°45	3°29	18° 9	25°32	27°30	17°45	0°10	27°D55	28°45	19°26	n.a.	T 4
F 5	12 38 59	11°23'11	7♋21	16°22	19°55	4° 5	18°17	25°35	27°27	17°44	0°R10	27°R55	28°42	19°32	n.a.	F 5
S 6	12 42 56	12°21'08	20°59	17°45	21° 4	4°41	18°26	25°39	27°25	17°43	0°10	27°55	28°38	19°39	n.a.	S 6
S 7	12 46 52	13°19'02	4♌19	19°11	22°14	5°17	18°35	25°43	27°22	17°42	0°10	27°53	28°35	19°46	n.a.	S 7
M 8	12 50 49	14°16'54	17°24	20°38	23°23	5°53	18°43	25°47	27°20	17°42	0°10	27°49	28°32	19°52	n.a.	M 8
T 9	12 54 45	15°14'44	0♍16	22° 8	24°32	6°29	18°52	25°51	27°18	17°41	0° 9	27°42	28°29	19°59	n.a.	T 9
W10	12 58 42	16°12'33	12°55	23°40	25°41	7° 6	19° 1	25°55	27°15	17°40	0° 9	27°33	28°26	20° 6	n.a.	W10
T 11	13 2 39	17°10'20	25°23	25°13	26°50	7°42	19°10	26° 0	27°13	17°39	0° 9	27°22	28°23	20°12	n.a.	T 11
F 12	13 6 35	18° 8'05	7♎42	26°49	27°59	8°18	19°20	26° 4	27°10	17°39	0° 9	27°10	28°19	20°19	n.a.	F 12
S 13	13 10 32	19° 5'48	19°52	28°27	29° 7	8°54	19°29	26° 8	27° 8	17°38	0° 9	26°58	28°16	20°26	n.a.	S 13
S 14	13 14 28	20° 3'31	1♏54	0♈ 7	0♊16	9°30	19°38	26°13	27° 5	17°38	0° 8	26°47	28°13	20°32	n.a.	S 14
M15	13 18 25	21° 1'11	13°49	1°50	1°24	10° 7	19°48	26°17	27° 3	17°37	0° 8	26°37	28°10	20°39	n.a.	M15
T 16	13 22 21	21°58'51	25°39	3°34	2°32	10°43	19°58	26°22	27° 0	17°36	0° 8	26°31	28° 7	20°46	n.a.	T 16
W17	13 26 18	22°56'29	7♐27	5°20	3°40	11°19	20° 7	26°27	26°58	17°36	0° 7	26°26	28° 3	20°52	n.a.	W17
T 18	13 30 14	23°54'06	19°16	7° 8	4°48	11°56	20°17	26°32	26°55	17°36	0° 7	26°25	28° 0	20°59	n.a.	T 18
F 19	13 34 11	24°51'42	1♑11	8°59	5°56	12°32	20°27	26°37	26°53	17°35	0° 7	26°D24	27°57	21° 6	n.a.	F 19
S 20	13 38 8	25°49'17	13°16	10°51	7° 4	13° 8	20°37	26°42	26°50	17°35	0° 6	26°25	27°54	21°12	n.a.	S 20
S 21	13 42 4	26°46'51	25°36	12°46	8°11	13°45	20°47	26°47	26°48	17°34	0° 6	26°R26	27°51	21°19	n.a.	S 21
M22	13 46 1	27°44'23	8♒16	14°42	9°19	14°21	20°58	26°52	26°45	17°34	0° 5	26°25	27°48	21°26	n.a.	M22
T 23	13 49 57	28°41'55	21°21	16°41	10°26	14°58	21° 8	26°57	26°43	17°34	0° 5	26°23	27°44	21°32	n.a.	T 23
W24	13 53 54	29°39'26	4♓54	18°41	11°33	15°34	21°18	27° 2	26°40	17°33	0° 4	26°18	27°41	21°39	n.a.	W24
T 25	13 57 50	0♉36'56	18°56	20°43	12°40	16°10	21°29	27° 8	26°38	17°33	0° 4	26°12	27°38	21°46	n.a.	T 25
F 26	14 1 47	1°34'24	3♈26	22°47	13°47	16°47	21°40	27°13	26°35	17°33	0° 3	26° 4	27°35	21°52	n.a.	F 26
S 27	14 5 43	2°31'52	18°18	24°53	14°53	17°23	21°50	27°19	26°33	17°33	0° 3	25°56	27°32	21°59	n.a.	S 27
S 28	14 9 40	3°29'19	3♉25	27° 0	16° 0	18° 0	22° 1	27°24	26°30	17°33	0° 2	25°48	27°28	22° 6	n.a.	S 28
M29	14 13 36	4°26'45	18°36	29° 8	17° 6	18°36	22°12	27°30	26°28	17°32	0° 1	25°42	27°25	22°12	n.a.	M29
T 30	14 17 33	5♉24'10	3♊42	1♉18	18♊12	19♊13	22♊23	27♊35	26♎25	17♌32	0♑ 1	25♐38	27♐22	22♏19	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	3n 1	18n28	3n45	9s54	2s39	18n 4	1n32	22n 1	1n18	23n23	0n14	23n31	0s 7	10s18	0n29	16n41	1n 3	26s 8	2s25	23s42	23s43	20s52		n.a.
T 2	3 24	21 49	2 47	9 27	2 41	18 28	1 35	22 8	1 18	23 24	0 14	23 31	0 7	10 17	0 29	16 41	1 3	26 8	2 25	23 42	23 43	20 53		n.a.
W 3	3 47	23 41	1 38	8 59	2 43	18 51	1 38	22 16	1 18	23 25	0 14	23 32	0 7	10 16	0 29	16 42	1 3	26 9	2 25	23 42	23 43	20 55		n.a.
T 4	4 10	23 57	0 24	8 29	2 44	19 13	1 41	22 23	1 19	23 25	0 14	23 32	0 7	10 15	0 29	16 42	1 3	26 9	2 26	23 42	23 43	20 56		n.a.
F 5	4 33	22 41	0s50	7 58	2 45	19 35	1 44	22 30	1 19	23 26	0 14	23 32	0 7	10 14	0 29	16 42	1 3	26 9	2 26	23 42	23 43	20 57		n.a.
S 6	4 56	20 6	1 59	7 25	2 45	19 57	1 47	22 37	1 19	23 27	0 14	23 32	0 7	10 13	0 29	16 42	1 3	26 9	2 26	23 42	23 43	20 58		n.a.
S 7	5 19	16 29	3 0	6 51	2 44	20 18	1 49	22 43	1 19	23 28	0 15	23 33	0 6	10 12	0 29	16 43	1 3	26 9	2 26	23 42	23 43	20 59		n.a.
M 8	5 42	12 8	3 51	6 15	2 43	20 38	1 52	22 50	1 19	23 29	0 15	23 33	0 6	10 12	0 29	16 43	1 3	26 9	2 26	23 42	23 43	21 1		n.a.
T 9	6 4	7 20	4 28	5 37	2 41	20 58	1 55	22 56	1 19	23 30	0 15	23 33	0 6	10 11	0 29	16 43	1 3	26 10	2 26	23 42	23 43	21 2		n.a.
W10	6 27	2 18	4 52	4 58	2 39	21 18	1 57	23 3	1 19	23 30	0 15	23 33	0 6	10 10	0 29	16 43	1 3	26 10	2 26	23 42	23 43	21 3		n.a.
T 11	6 49	2s45	5 2	4 18	2 36	21 37	2 0	23 9	1 19	23 31	0 15	23 33	0 6	10 9	0 29	16 43	1 3	26 10	2 27	23 42	23 43	21 4		n.a.
F 12	7 12	7 37	4 57	3 36	2 32	21 55	2 2	23 15	1 19	23 32	0 15	23 34	0 6	10 8	0 29	16 44	1 3	26 10	2 27	23 41	23 43	21 5		n.a.
S 13	7 34	12 8	4 38	2 53	2 28	22 13	2 4	23 21	1 19	23 33	0 15	23 34	0 6	10 7	0 29	16 44	1 3	26 10	2 27	23 41	23 43	21 6		n.a.
S 14	7 56	16 8	4 8	2 8	2 24	22 30	2 7	23 26	1 19	23 34	0 15	23 34	0 6	10 6	0 29	16 44	1 3	26 10	2 27	23 41	23 42	21 8		n.a.
M15	8 18	19 27	3 26	1 23	2 18	22 47	2 9	23 32	1 19	23 34	0 15	23 34	0 6	10 5	0 29	16 44	1 3	26 10	2 27	23 41	23 42	21 9		n.a.
T 16	8 40	21 55	2 36	0 35	2 13	23 3	2 11	23 37	1 19	23 35	0 15	23 35	0 6	10 4	0 29	16 44	1 3	26 11	2 27	23 40	23 42	21 10		n.a.
W17	9 1	23 27	1 39	0n13	2 6	23 19	2 13	23 42	1 19	23 36	0 15	23 35	0 5	10 4	0 29	16 44	1 3	26 11	2 28	23 40	23 42	21 11		n.a.
T 18	9 23	23 55	0 38	1 2	2 0	23 34	2 15	23 47	1 19	23 37	0 15	23 35	0 5	10 3	0 29	16 45	1 3	26 11	2 28	23 40	23 42	21 12		n.a.
F 19	9 44	23 17	0n26	1 53	1 52	23 48	2 17	23 52	1 19	23 38	0 15	23 35	0 5	10 2	0 29	16 45	1 3	26 11	2 28	23 40	23 42	21 13		n.a.
S 20	10 5	21 34	1 29	2 45	1 45	24 2	2 19	23 57	1 19	23 39	0 16	23 36	0 5	10 1	0 29	16 45	1 3	26 11	2 28	23 40	23 42	21 14		n.a.
S 21	10 27	18 49	2 30	3 37	1 36	24 15	2 21	24 2	1 19	23 39	0 16	23 36	0 5	10 0	0 29	16 45	1 3	26 11	2 28	23 40	23 42	21 15		n.a.
M22	10 48	15 7	3 25	4 31	1 28	24 27	2 23	24 6	1 19	23 40	0 16	23 36	0 5	9 59	0 29	16 45	1 3	26 12	2 28	23 40	23 42	21 17		n.a.
T 23	11 8	10 35	4 11	5 25	1 19	24 39	2 24	24 10	1 19	23 41	0 16	23 36	0 5	9 58	0 29	16 45	1 3	26 12	2 28	23 40	23 42	21 18		n.a.
W24	11 29	5 24	4 45	6 20	1 9	24 50	2 26	24 14	1 19	23 42	0 16	23 36	0 5	9 57	0 29	16 45	1 3	26 12	2 29	23 40	23 42	21 19		n.a.
T 25	11 49	0n13	5 4	7 16	1 0	25 1	2 27	24 18	1 19	23 42	0 16	23 37	0 5	9 56	0 29	16 45	1 3	26 12	2 29	23 40	23 42	21 20		n.a.
F 26	12 10	6 1	5 4	8 12	0 50	25 11	2 29	24 22	1 19	23 43	0 16	23 37	0 5	9 55	0 29	16 45	1 3	26 12	2 29	23 40	23 42	21 21		n.a.
S 27	12 30	11 37	4 43	9 8	0 39	25 20	2 30	24 26	1 19	23 44	0 16	23 37	0 4	9 54	0 29	16 45	1 3	26 12	2 29	23 39	23 42	21 22		n.a.
S 28	12 49	16 36	4 3	10 4	0 29	25 29	2 31	24 29	1 19	23 45	0 16	23 37	0 4	9 54	0 29	16 45	1 3	26 12	2 29	23 39	23 42	21 23		n.a.
M29	13 9	20 32	3 6	11 1	0 18	25 37	2 32	24 32	1 19	23 45	0 16	23 38	0 4	9 53	0 29	16 45	1 3	26 13	2 29	23 39	23 42	21 24		n.a.
T 30	13n29	23n 1	1n55	11n56	0s 8	25n44	2n33	24n35	1n19	23n46	0n16	23n38	0s 4	9s52	0n29	16n45	1n 3	26s13	2s30	23s39	23s42	21s25		n.a.

Julian Day Number = 1646637.5, Delta T = 03h33m21s
Ecliptic obliquity = 23°43'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'44, Lahiri = - 6°46'44 Julian Calendar 1 Apr. 205 BCE == Greg. Calendar 28 March 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

MAY 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 21 30	6♉21'33	18♊34	3♉28	19♊18	19♊50	22♊34	27♊41	26°R23	17°R32	0°R 0	25°R37	27♐19	22♏26	n.a.	W 1
T 2	14 25 26	7°18'56	3♋ 5	5°39	20°24	20°26	22°45	27°47	26♎20	17°D32	29♐59	25°D37	27°16	22°32	n.a.	T 2
F 3	14 29 23	8°16'17	17°13	7°51	21°29	21° 3	22°56	27°53	26°18	17♑32	29°59	25♐38	27°13	22°39	n.a.	F 3
S 4	14 33 19	9°13'37	0♑57	10° 3	22°34	21°39	23° 7	27°59	26°16	17°32	29°58	25°39	27° 9	22°46	n.a.	S 4
S 5	14 37 16	10°10'56	14°17	12°14	23°40	22°16	23°18	28° 5	26°13	17°32	29°57	25°R39	27° 6	22°52	n.a.	S 5
M 6	14 41 12	11° 8'13	27°17	14°26	24°44	22°53	23°30	28°11	26°11	17°33	29°56	25°38	27° 3	22°59	n.a.	M 6
T 7	14 45 9	12° 5'29	10♍ 0	16°36	25°49	23°29	23°41	28°17	26° 8	17°33	29°55	25°34	27° 0	23° 6	n.a.	T 7
W 8	14 49 6	13° 2'45	22°28	18°46	26°54	24° 6	23°53	28°23	26° 6	17°33	29°55	25°29	26°57	23°12	n.a.	W 8
T 9	14 53 2	13°59'59	4♎45	20°55	27°58	24°43	24° 4	28°30	26° 4	17°33	29°54	25°23	26°54	23°19	n.a.	T 9
F 10	14 56 59	14°57'12	16°51	23° 2	29° 2	25°19	24°16	28°36	26° 1	17°33	29°53	25°16	26°50	23°26	n.a.	F 10
S 11	15 0 55	15°54'25	28°51	25° 8	0♋ 5	25°56	24°28	28°42	25°59	17°34	29°52	25° 9	26°47	23°32	n.a.	S 11
S 12	15 4 52	16°51'37	10♏45	27°12	1° 9	26°33	24°39	28°49	25°57	17°34	29°51	25° 2	26°44	23°39	n.a.	S 12
M13	15 8 48	17°48'48	22°36	29°15	2°12	27°10	24°51	28°55	25°54	17°34	29°50	24°57	26°41	23°46	n.a.	M13
T 14	15 12 45	18°45'59	4♐24	1♊15	3°15	27°46	25° 3	29° 2	25°52	17°35	29°49	24°53	26°38	23°52	n.a.	T 14
W15	15 16 41	19°43'09	16°14	3°13	4°18	28°23	25°15	29° 8	25°50	17°35	29°48	24°51	26°34	23°59	n.a.	W15
T 16	15 20 38	20°40'19	28° 6	5°10	5°20	29° 0	25°27	29°15	25°48	17°35	29°47	24°D51	26°31	24° 6	n.a.	T 16
F 17	15 24 35	21°37'28	10♑ 4	7° 4	6°22	29°37	25°39	29°21	25°46	17°36	29°46	24°52	26°28	24°12	n.a.	F 17
S 18	15 28 31	22°34'37	22°13	8°55	7°24	0♋14	25°51	29°28	25°43	17°36	29°45	24°53	26°25	24°19	n.a.	S 18
S 19	15 32 28	23°31'46	4♒35	10°45	8°26	0°51	26° 3	29°35	25°41	17°37	29°44	24°55	26°22	24°26	n.a.	S 19
M20	15 36 24	24°28'55	17°15	12°32	9°27	1°28	26°15	29°42	25°39	17°37	29°43	24°56	26°19	24°33	n.a.	M20
T 21	15 40 21	25°26'03	0♓18	14°17	10°28	2° 4	26°28	29°48	25°37	17°38	29°42	24°R56	26°15	24°39	n.a.	T 21
W22	15 44 17	26°23'12	13°45	15°59	11°29	2°41	26°40	29°55	25°35	17°39	29°40	24°55	26°12	24°46	n.a.	W22
T 23	15 48 14	27°20'20	27°40	17°40	12°29	3°18	26°52	0♋ 2	25°33	17°39	29°39	24°53	26° 9	24°53	n.a.	T 23
F 24	15 52 10	28°17'29	12♈ 1	19°17	13°29	3°55	27° 5	0° 9	25°31	17°40	29°38	24°50	26° 6	24°59	n.a.	F 24
S 25	15 56 7	29°14'37	26°46	20°53	14°28	4°32	27°17	0°16	25°29	17°41	29°37	24°46	26° 3	25° 6	n.a.	S 25
S 26	16 0 4	0♊11'45	11♉49	22°26	15°28	5° 9	27°29	0°23	25°27	17°41	29°36	24°43	26° 0	25°12	n.a.	S 26
M27	16 4 0	1° 8'54	27° 1	23°57	16°26	5°46	27°42	0°30	25°25	17°42	29°35	24°41	25°56	25°19	n.a.	M27
T 28	16 7 57	2° 6'02	12♊12	25°25	17°25	6°23	27°55	0°37	25°24	17°43	29°33	24°39	25°53	25°26	n.a.	T 28
W29	16 11 53	3° 3'11	27°12	26°51	18°23	7° 1	28° 7	0°45	25°22	17°44	29°32	24°D39	25°50	25°33	n.a.	W29
T 30	16 15 50	4° 0'19	11♋55	28°15	19°21	7°38	28°20	0°52	25°20	17°45	29°31	24°39	25°47	25°39	n.a.	T 30
F 31	16 19 46	4♊57'26	26♋14	29♊36	20♋18	8♋15	28♊33	0♋59	25♎18	17♑46	29♐30	24♐41	25♐44	25♏46	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	13n48	23n51	0n38	12n52	0n 3	25n50	2n34	24n38	1n19	23n47	0n16	23n38	0s 4	9s51	0n29	16n45	1n 3	26s13	2s30	23s39	23s42	21s26		n.a.	W 1
T 2	14 7	23 1	0s40	13 46	0 13	25 56	2 35	24 41	1 19	23 47	0 16	23 38	0 4	9 50	0 29	16 45	1 3	26 13	2 30	23 39	23 41	21 27		n.a.	T 2
F 3	14 26	20 43	1 54	14 40	0 24	26 2	2 35	24 44	1 19	23 48	0 16	23 38	0 4	9 49	0 29	16 45	1 3	26 13	2 30	23 39	23 41	21 28		n.a.	F 3
S 4	14 44	17 16	2 59	15 32	0 34	26 6	2 36	24 46	1 19	23 49	0 17	23 39	0 4	9 48	0 29	16 45	1 3	26 13	2 30	23 39	23 41	21 29		n.a.	S 4
S 5	15 3	13 2	3 53	16 23	0 44	26 10	2 36	24 48	1 19	23 50	0 17	23 39	0 4	9 47	0 29	16 45	1 3	26 13	2 30	23 39	23 41	21 30		n.a.	S 5
M 6	15 21	8 17	4 32	17 12	0 54	26 13	2 37	24 50	1 19	23 50	0 17	23 39	0 4	9 47	0 29	16 45	1 3	26 14	2 30	23 39	23 41	21 32		n.a.	M 6
T 7	15 39	3 19	4 58	18 0	1 3	26 16	2 37	24 52	1 19	23 51	0 17	23 39	0 3	9 46	0 29	16 45	1 3	26 14	2 31	23 39	23 41	21 33		n.a.	T 7
W 8	15 56	1s42	5 9	18 45	1 11	26 18	2 37	24 54	1 19	23 51	0 17	23 39	0 3	9 45	0 29	16 45	1 3	26 14	2 31	23 39	23 41	21 34		n.a.	W 8
T 9	16 14	6 34	5 5	19 28	1 19	26 19	2 37	24 55	1 19	23 52	0 17	23 39	0 3	9 44	0 29	16 45	1 3	26 14	2 31	23 38	23 41	21 35		n.a.	T 9
F 10	16 31	11 7	4 48	20 9	1 27	26 20	2 37	24 57	1 19	23 53	0 17	23 40	0 3	9 43	0 29	16 45	1 3	26 14	2 31	23 38	23 41	21 36		n.a.	F 10
S 11	16 48	15 12	4 18	20 47	1 34	26 20	2 37	24 58	1 19	23 53	0 17	23 40	0 3	9 42	0 29	16 45	1 3	26 14	2 31	23 38	23 41	21 37		n.a.	S 11
S 12	17 4	18 39	3 37	21 23	1 40	26 19	2 36	24 59	1 19	23 54	0 17	23 40	0 3	9 41	0 29	16 44	1 3	26 14	2 31	23 38	23 41	21 38		n.a.	S 12
M13	17 20	21 19	2 47	21 57	1 46	26 18	2 36	25 0	1 18	23 54	0 17	23 40	0 3	9 41	0 29	16 44	1 3	26 15	2 31	23 37	23 41	21 39		n.a.	M13
T 14	17 37	23 4	1 49	22 27	1 51	26 16	2 35	25 0	1 18	23 55	0 17	23 40	0 3	9 40	0 29	16 44	1 3	26 15	2 32	23 37	23 41	21 40		n.a.	T 14
W15	17 52	23 47	0 47	22 56	1 55	26 13	2 34	25 1	1 18	23 55	0 17	23 40	0 3	9 39	0 29	16 44	1 3	26 15	2 32	23 37	23 40	21 41		n.a.	W15
T 16	18 8	23 25	0n18	23 21	1 58	26 10	2 33	25 1	1 18	23 56	0 17	23 40	0 3	9 38	0 29	16 44	1 2	26 15	2 32	23 37	23 40	21 42		n.a.	T 16
F 17	18 23	21 58	1 22	23 44	2 1	26 6	2 32	25 1	1 18	23 56	0 18	23 41	0 2	9 37	0 29	16 44	1 2	26 15	2 32	23 37	23 40	21 42		n.a.	F 17
S 18	18 38	19 29	2 24	24 5	2 3	26 1	2 31	25 1	1 18	23 57	0 18	23 41	0 2	9 37	0 29	16 44	1 2	26 15	2 32	23 37	23 40	21 43		n.a.	S 18
S 19	18 52	16 6	3 21	24 23	2 5	25 56	2 30	25 1	1 18	23 57	0 18	23 41	0 2	9 36	0 29	16 43	1 2	26 15	2 32	23 37	23 40	21 44		n.a.	S 19
M20	19 7	11 54	4 9	24 38	2 5	25 51	2 28	25 1	1 18	23 58	0 18	23 41	0 2	9 35	0 29	16 43	1 2	26 16	2 32	23 37	23 40	21 45		n.a.	M20
T 21	19 21	7 3	4 46	24 51	2 5	25 44	2 27	25 0	1 18	23 58	0 18	23 41	0 2	9 34	0 29	16 43	1 2	26 16	2 33	23 37	23 40	21 46		n.a.	T 21
W22	19 34	1 44	5 8	25 2	2 5	25 37	2 25	24 59	1 18	23 59	0 18	23 41	0 2	9 34	0 29	16 43	1 2	26 16	2 33	23 37	23 40	21 47		n.a.	W22
T 23	19 48	3n51	5 14	25 11	2 3	25 30	2 23	24 58	1 18	23 59	0 18	23 41	0 2	9 33	0 29	16 43	1 2	26 16	2 33	23 37	23 40	21 48		n.a.	T 23
F 24	20 1	9 24	5 0	25 18	2 1	25 22	2 21	24 57	1 18	23 59	0 18	23 41	0 2	9 32	0 28	16 42	1 2	26 16	2 33	23 37	23 40	21 49		n.a.	F 24
S 25	20 13	14 34	4 27	25 22	1 58	25 13	2 18	24 56	1 18	24 0	0 18	23 41	0 2	9 32	0 28	16 42	1 2	26 16	2 33	23 37	23 40	21 50		n.a.	S 25
S 26	20 26	18 57	3 34	25 25	1 55	25 4	2 16	24 54	1 17	24 0	0 18	23 42	0 2	9 31	0 28	16 42	1 2	26 16	2 33	23 37	23 39	21 51		n.a.	S 26
M27	20 38	22 5	2 26	25 26	1 51	24 54	2 13	24 53	1 17	24 0	0 18	23 42	0 2	9 30	0 28	16 42	1 2	26 16	2 33	23 37	23 39	21 52		n.a.	M27
T 28	20 49	23 39	1 8	25 25	1 46	24 44	2 11	24 51	1 17	24 1	0 18	23 42	0 1	9 30	0 28	16 41	1 2	26 17	2 33	23 37	23 39	21 53		n.a.	T 28
W29	21 1	23 27	0s14	25 22	1 41	24 33	2 8	24 49	1 17	24 1	0 18	23 42	0 1	9 29	0 28	16 41	1 2	26 17	2 34	23 37	23 39	21 54		n.a.	W29
T 30	21 12	21 37	1 34	25 18	1 35	24 22	2 5	24 47	1 17	24 1	0 19	23 42	0 1	9 28	0 28	16 41	1 2	26 17	2 34	23 37	23 39	21 54		n.a.	T 30
F 31	21n22	18n26	2s46	25n12	1n29	24n10	2n 1	24n44	1n17	24n 1	0n19	23n42	0s 1	9s28	0n28	16n40	1n 2	26s17	2s34	23s37	23s39	21s55		n.a.	F 31

Julian Day Number = 1646667.5, Delta T = 03h33m20s
Ecliptic obliquity = 23°43'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'40, Lahiri = - 6°46'40 Julian Calendar 1 May 205 BCE == Greg. Calendar 27 Apr. 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

JUNE 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 23 43	5♊54'34	10♌ 7	0♋54	21♋15	8♋52	28♊45	1♋ 6	25°R17	17♌47	29°R28	24♐42	25♐40	25♏53	n.a.	S 1
S 2	16 27 39	6°51'41	23°34	2°10	22°11	9°29	28°58	1°14	25♎15	17°48	29♐27	24°43	25°37	25°59	n.a.	S 2
M 3	16 31 36	7°48'48	6♍37	3°23	23° 7	10° 6	29°11	1°21	25°13	17°49	29°26	24°R43	25°34	26° 6	n.a.	M 3
T 4	16 35 33	8°45'54	19°19	4°34	24° 2	10°43	29°24	1°28	25°12	17°50	29°24	24°43	25°31	26°12	n.a.	T 4
W 5	16 39 29	9°43'01	1♎43	5°41	24°57	11°21	29°36	1°36	25°10	17°51	29°23	24°42	25°28	26°19	n.a.	W 5
T 6	16 43 26	10°40'07	13°53	6°46	25°51	11°58	29°49	1°43	25° 9	17°52	29°22	24°40	25°25	26°26	n.a.	T 6
F 7	16 47 22	11°37'13	25°53	7°48	26°45	12°35	0♋ 2	1°50	25° 7	17°53	29°20	24°39	25°21	26°32	n.a.	F 7
S 8	16 51 19	12°34'20	7♏47	8°47	27°38	13°12	0°15	1°58	25° 6	17°54	29°19	24°37	25°18	26°39	n.a.	S 8
S 9	16 55 15	13°31'27	19°37	9°43	28°31	13°50	0°28	2° 5	25° 4	17°55	29°18	24°35	25°15	26°46	n.a.	S 9
M10	16 59 12	14°28'33	1♐26	10°35	29°23	14°27	0°41	2°13	25° 3	17°56	29°16	24°34	25°12	26°52	n.a.	M10
T 11	17 3 9	15°25'40	13°16	11°24	0♌14	15° 4	0°54	2°20	25° 2	17°57	29°15	24°33	25° 9	26°59	n.a.	T 11
W12	17 7 5	16°22'48	25°10	12°10	1° 5	15°42	1° 7	2°28	25° 0	17°59	29°14	24°D33	25° 6	27° 6	n.a.	W12
T 13	17 11 2	17°19'56	7♑10	12°52	1°55	16°19	1°20	2°35	24°59	18° 0	29°12	24°33	25° 2	27°12	n.a.	T 13
F 14	17 14 58	18°17'04	19°18	13°30	2°44	16°57	1°33	2°43	24°58	18° 1	29°11	24°34	24°59	27°19	n.a.	F 14
S 15	17 18 55	19°14'13	1♒36	14° 4	3°33	17°34	1°46	2°51	24°57	18° 3	29° 9	24°34	24°56	27°26	n.a.	S 15
S 16	17 22 51	20°11'23	14° 7	14°35	4°21	18°11	1°59	2°58	24°56	18° 4	29° 8	24°35	24°53	27°32	n.a.	S 16
M17	17 26 48	21° 8'33	26°54	15° 1	5° 8	18°49	2°13	3° 6	24°55	18° 5	29° 7	24°35	24°50	27°39	n.a.	M17
T 18	17 30 44	22° 5'44	9♓59	15°22	5°54	19°26	2°26	3°14	24°54	18° 7	29° 5	24°35	24°46	27°46	n.a.	T 18
W19	17 34 41	23° 2'56	23°24	15°39	6°40	20° 4	2°39	3°21	24°53	18° 8	29° 4	24°R36	24°43	27°52	n.a.	W19
T 20	17 38 38	24° 0'09	7♈11	15°52	7°24	20°41	2°52	3°29	24°52	18°10	29° 2	24°35	24°40	27°59	n.a.	T 20
F 21	17 42 34	24°57'23	21°20	16° 0	8° 8	21°19	3° 5	3°37	24°51	18°11	29° 1	24°D35	24°37	28° 6	n.a.	F 21
S 22	17 46 31	25°54'38	5♉49	16°R 2	8°51	21°56	3°18	3°44	24°50	18°13	29° 0	24°36	24°34	28°12	n.a.	S 22
S 23	17 50 27	26°51'54	20°36	16° 0	9°32	22°34	3°32	3°52	24°50	18°14	28°58	24°36	24°31	28°19	n.a.	S 23
M24	17 54 24	27°49'10	5♊33	15°53	10°13	23°12	3°45	4° 0	24°49	18°16	28°57	24°36	24°27	28°26	n.a.	M24
T 25	17 58 20	28°46'28	20°34	15°41	10°53	23°49	3°58	4° 7	24°48	18°17	28°55	24°R36	24°24	28°32	n.a.	T 25
W26	18 2 17	29°43'47	5♋30	15°24	11°31	24°27	4°11	4°15	24°48	18°19	28°54	24°36	24°21	28°39	n.a.	W26
T 27	18 6 13	0♋41'06	20°13	15° 2	12° 9	25° 5	4°25	4°23	24°47	18°20	28°52	24°36	24°18	28°46	n.a.	T 27
F 28	18 10 10	1°38'27	4♌36	14°36	12°45	25°43	4°38	4°31	24°47	18°22	28°51	24°35	24°15	28°52	n.a.	F 28
S 29	18 14 7	2°35'48	18°35	14° 5	13°20	26°20	4°51	4°38	24°46	18°24	28°50	24°34	24°12	28°59	n.a.	S 29
S 30	18 18 3	3♋33'09	2♍ 9	13♋30	13♌54	26♋58	5♋ 4	4♋46	24♎46	18♌25	28♐48	24♐33	24♐ 8	29♏ 6	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n33	14n18	3s45	25n 5	1n22	23n58	1n58	24n42	1n17	24n 2	0n19	23n42	0s 1	9s27	0n28	16n40	1n 2	26s17	2s34	23s37	23s39	21s56		n.a.
S 2	21 43	9 34	4 31	24 56	1 14	23 45	1 54	24 39	1 17	24 2	0 19	23 42	0 1	9 27	0 28	16 40	1 2	26 17	2 34	23 37	23 39	21 57		n.a.
M 3	21 52	4 32	5 1	24 46	1 6	23 32	1 51	24 36	1 17	24 2	0 19	23 42	0 1	9 26	0 28	16 39	1 2	26 17	2 34	23 37	23 39	21 58		n.a.
T 4	22 1	0s33	5 15	24 35	0 57	23 18	1 47	24 33	1 16	24 2	0 19	23 42	0 1	9 25	0 28	16 39	1 2	26 17	2 34	23 37	23 39	21 59		n.a.
W 5	22 10	5 29	5 14	24 23	0 48	23 4	1 43	24 30	1 16	24 2	0 19	23 42	0 1	9 25	0 28	16 39	1 2	26 17	2 34	23 37	23 38	22 0		n.a.
T 6	22 18	10 7	4 59	24 11	0 38	22 50	1 38	24 26	1 16	24 2	0 19	23 42	0 1	9 24	0 28	16 38	1 2	26 18	2 34	23 37	23 38	22 1		n.a.
F 7	22 26	14 18	4 31	23 57	0 28	22 35	1 34	24 23	1 16	24 2	0 19	23 42	0 1	9 24	0 28	16 38	1 2	26 18	2 35	23 37	23 38	22 1		n.a.
S 8	22 34	17 54	3 51	23 43	0 17	22 20	1 29	24 19	1 16	24 2	0 19	23 42	0 0	9 23	0 28	16 38	1 2	26 18	2 35	23 37	23 38	22 2		n.a.
S 9	22 41	20 45	3 2	23 27	0 6	22 4	1 24	24 15	1 16	24 2	0 19	23 42	0 0	9 23	0 28	16 37	1 2	26 18	2 35	23 36	23 38	22 3		n.a.
M10	22 48	22 43	2 5	23 12	0s 6	21 48	1 19	24 11	1 16	24 3	0 19	23 42	0 0	9 22	0 28	16 37	1 2	26 18	2 35	23 36	23 38	22 4		n.a.
T 11	22 55	23 41	1 2	22 56	0 18	21 32	1 14	24 6	1 16	24 3	0 20	23 42	0 0	9 22	0 28	16 36	1 2	26 18	2 35	23 36	23 38	22 5		n.a.
W12	23 1	23 34	0n 3	22 39	0 30	21 16	1 8	24 2	1 15	24 3	0 20	23 42	0 0	9 21	0 28	16 36	1 2	26 18	2 35	23 36	23 38	22 6		n.a.
T 13	23 6	22 22	1 9	22 22	0 43	20 59	1 3	23 57	1 15	24 2	0 20	23 42	0 0	9 21	0 28	16 36	1 2	26 18	2 35	23 36	23 38	22 6		n.a.
F 14	23 12	20 7	2 13	22 6	0 56	20 42	0 57	23 52	1 15	24 2	0 20	23 42	0n 0	9 21	0 28	16 35	1 2	26 18	2 35	23 36	23 37	22 7		n.a.
S 15	23 17	16 55	3 12	21 49	1 10	20 24	0 50	23 47	1 15	24 2	0 20	23 41	0 0	9 20	0 28	16 35	1 2	26 18	2 35	23 36	23 37	22 8		n.a.
S 16	23 21	12 55	4 2	21 32	1 23	20 7	0 44	23 42	1 15	24 2	0 20	23 41	0 0	9 20	0 28	16 34	1 2	26 19	2 36	23 36	23 37	22 9		n.a.
M17	23 25	8 17	4 41	21 15	1 37	19 49	0 38	23 37	1 15	24 2	0 20	23 41	0 0	9 19	0 28	16 34	1 2	26 19	2 36	23 36	23 37	22 10		n.a.
T 18	23 29	3 11	5 7	20 59	1 52	19 31	0 31	23 31	1 14	24 2	0 20	23 41	0 0	9 19	0 28	16 33	1 2	26 19	2 36	23 36	23 37	22 10		n.a.
W19	23 32	2n12	5 18	20 42	2 6	19 13	0 24	23 26	1 14	24 2	0 20	23 41	0 1	9 19	0 28	16 33	1 2	26 19	2 36	23 36	23 37	22 11		n.a.
T 20	23 35	7 37	5 10	20 27	2 20	18 54	0 17	23 20	1 14	24 2	0 20	23 41	0 1	9 19	0 28	16 33	1 2	26 19	2 36	23 36	23 37	22 12		n.a.
F 21	23 37	12 47	4 44	20 12	2 34	18 36	0 9	23 14	1 14	24 1	0 20	23 41	0 1	9 18	0 28	16 32	1 2	26 19	2 36	23 36	23 37	22 13		n.a.
S 22	23 39	17 22	3 59	19 58	2 48	18 17	0 1	23 7	1 14	24 1	0 20	23 41	0 1	9 18	0 28	16 32	1 2	26 19	2 36	23 36	23 36	22 13		n.a.
S 23	23 41	20 58	2 58	19 44	3 2	17 58	0s 6	23 1	1 14	24 1	0 21	23 41	0 1	9 18	0 28	16 31	1 2	26 19	2 36	23 36	23 36	22 14		n.a.
M24	23 42	23 11	1 44	19 31	3 16	17 39	0 15	22 54	1 13	24 1	0 21	23 40	0 1	9 18	0 28	16 31	1 2	26 19	2 36	23 36	23 36	22 15		n.a.
T 25	23 43	23 45	0 22	19 20	3 29	17 20	0 23	22 48	1 13	24 0	0 21	23 40	0 1	9 17	0 28	16 30	1 2	26 19	2 36	23 36	23 36	22 16		n.a.
W26	23 43	22 36	1s 0	19 9	3 41	17 1	0 32	22 41	1 13	24 0	0 21	23 40	0 1	9 17	0 28	16 30	1 2	26 19	2 37	23 36	23 36	22 16		n.a.
T 27	23 43	19 55	2 18	19 0	3 53	16 42	0 40	22 34	1 13	24 0	0 21	23 40	0 1	9 17	0 28	16 29	1 2	26 19	2 37	23 36	23 36	22 17		n.a.
F 28	23 43	16 2	3 24	18 52	4 4	16 23	0 50	22 26	1 13	23 59	0 21	23 40	0 1	9 17	0 28	16 29	1 2	26 20	2 37	23 36	23 36	22 18		n.a.
S 29	23 42	11 22	4 17	18 46	4 14	16 4	0 59	22 19	1 13	23 59	0 21	23 40	0 1	9 17	0 27	16 28	1 2	26 20	2 37	23 36	23 35	22 18		n.a.
S 30	23n40	6n16	4s53	18n40	4s22	15n45	1s 8	22n12	1n12	23n58	0n21	23n39	0n 1	9s17	0n27	16n27	1n 2	26s20	2s37	23s36	23s35	22s19		n.a.

Julian Day Number = 1646698.5, Delta T = 03h33m19s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'36, Lahiri = - 6°46'35 Julian Calendar 1 June 205 BCE == Greg. Calendar 28 May 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

JULY 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 22 0	4♋30'31	15♍17	12°R52	14♌27	27♋36	5♋18	4♋54	24°R45	18♌27	28°R47	24°R32	24♐ 5	29♏12	n.a.	M 1
T 2	18 25 56	5°27'54	28° 2	12♋10	14°58	28°14	5°31	5° 2	24♎45	18°29	28♐45	24♐32	24° 2	29°19	n.a.	T 2
W 3	18 29 53	6°25'18	10♎26	11°27	15°27	28°52	5°44	5° 9	24°45	18°31	28°44	24°D32	23°59	29°26	n.a.	W 3
T 4	18 33 49	7°22'42	22°35	10°41	15°56	29°29	5°57	5°17	24°45	18°32	28°42	24°32	23°56	29°32	n.a.	T 4
F 5	18 37 46	8°20'08	4♏33	9°55	16°22	0♌ 7	6°11	5°25	24°45	18°34	28°41	24°33	23°52	29°39	n.a.	F 5
S 6	18 41 42	9°17'34	16°24	9° 8	16°47	0°45	6°24	5°33	24°44	18°36	28°40	24°34	23°49	29°46	n.a.	S 6
S 7	18 45 39	10°15'01	28°13	8°23	17°11	1°23	6°37	5°40	24°D44	18°38	28°38	24°36	23°46	29°52	n.a.	S 7
M 8	18 49 36	11°12'30	10♐ 3	7°39	17°32	2° 1	6°50	5°48	24°44	18°40	28°37	24°37	23°43	29°59	n.a.	M 8
T 9	18 53 32	12° 9'59	21°58	6°57	17°52	2°39	7° 4	5°56	24°44	18°41	28°36	24°R37	23°40	0♑ 6	n.a.	T 9
W10	18 57 29	13° 7'29	3♑59	6°19	18°10	3°17	7°17	6° 3	24°45	18°43	28°34	24°37	23°37	0°12	n.a.	W10
T 11	19 1 25	14° 5'01	16°11	5°45	18°26	3°55	7°30	6°11	24°45	18°45	28°33	24°36	23°33	0°19	n.a.	T 11
F 12	19 5 22	15° 2'34	28°33	5°16	18°40	4°33	7°43	6°19	24°45	18°47	28°31	24°34	23°30	0°26	n.a.	F 12
S 13	19 9 18	16° 0'08	11♒ 8	4°53	18°52	5°11	7°57	6°27	24°45	18°49	28°30	24°31	23°27	0°32	n.a.	S 13
S 14	19 13 15	16°57'44	23°56	4°35	19° 3	5°50	8°10	6°34	24°46	18°51	28°29	24°28	23°24	0°39	n.a.	S 14
M15	19 17 12	17°55'21	6♓58	4°24	19°10	6°28	8°23	6°42	24°46	18°53	28°27	24°24	23°21	0°46	n.a.	M15
T 16	19 21 8	18°53'00	20°13	4°D20	19°16	7° 6	8°36	6°49	24°46	18°55	28°26	24°21	23°17	0°52	n.a.	T 16
W17	19 25 5	19°50'41	3♈44	4°23	19°20	7°44	8°49	6°57	24°47	18°57	28°25	24°19	23°14	0°59	n.a.	W17
T 18	19 29 1	20°48'23	17°30	4°33	19°R21	8°22	9° 2	7° 5	24°47	18°59	28°23	24°D19	23°11	1° 6	n.a.	T 18
F 19	19 32 58	21°46'07	1♉30	4°51	19°20	9° 1	9°15	7°12	24°48	19° 1	28°22	24°19	23° 8	1°12	n.a.	F 19
S 20	19 36 54	22°43'53	15°44	5°16	19°17	9°39	9°28	7°20	24°49	19° 3	28°21	24°20	23° 5	1°19	n.a.	S 20
S 21	19 40 51	23°41'41	0♊10	5°49	19°11	10°17	9°42	7°27	24°49	19° 5	28°20	24°21	23° 2	1°26	n.a.	S 21
M22	19 44 47	24°39'30	14°45	6°29	19° 3	10°56	9°55	7°35	24°50	19° 7	28°18	24°22	22°58	1°32	n.a.	M22
T 23	19 48 44	25°37'22	29°24	7°17	18°53	11°34	10° 8	7°42	24°51	19° 9	28°17	24°R23	22°55	1°39	n.a.	T 23
W24	19 52 41	26°35'15	14♋ 1	8°11	18°40	12°13	10°21	7°50	24°52	19°11	28°16	24°21	22°52	1°46	n.a.	W24
T 25	19 56 37	27°33'10	28°31	9°12	18°25	12°51	10°34	7°57	24°53	19°13	28°15	24°19	22°49	1°52	n.a.	T 25
F 26	20 0 34	28°31'06	12♌46	10°20	18° 8	13°29	10°46	8° 5	24°54	19°16	28°14	24°14	22°46	1°59	n.a.	F 26
S 27	20 4 30	29°29'04	26°43	11°34	17°48	14° 8	10°59	8°12	24°55	19°18	28°12	24° 9	22°43	2° 5	n.a.	S 27
S 28	20 8 27	0♌27'03	10♍16	12°54	17°26	14°47	11°12	8°20	24°56	19°20	28°11	24° 3	22°39	2°12	n.a.	S 28
M29	20 12 23	1°25'04	23°26	14°19	17° 2	15°25	11°25	8°27	24°57	19°22	28°10	23°58	22°36	2°19	n.a.	M29
T 30	20 16 20	2°23'07	6♎13	15°49	16°36	16° 4	11°38	8°34	24°58	19°24	28° 9	23°54	22°33	2°25	n.a.	T 30
W31	20 20 16	3♌21'11	18♎39	17♋24	16♌ 8	16♌42	11♋51	8♋42	24♎59	19♌26	28♐ 8	23♐51	22♐30	2♐32	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n38	1n 4	5s13	18n37	4s30	15n27	1s18	22n 4	1n12	23n58	0n21	23n39	0n 2	9s16	0n27	16n27	1n 2	26s20	2s37	23s36	23s35	22s20		n.a.
T 2	23 36	4s 2	5 17	18 35	4 36	15 8	1 28	21 56	1 12	23 58	0 21	23 39	0 2	9 16	0 27	16 26	1 2	26 20	2 37	23 36	23 35	22 21		n.a.
W 3	23 34	8 51	5 5	18 34	4 40	14 49	1 39	21 48	1 12	23 57	0 22	23 39	0 2	9 16	0 27	16 26	1 2	26 20	2 37	23 36	23 35	22 21		n.a.
T 4	23 31	13 13	4 40	18 35	4 43	14 31	1 49	21 40	1 12	23 57	0 22	23 39	0 2	9 16	0 27	16 25	1 2	26 20	2 37	23 36	23 35	22 22		n.a.
F 5	23 27	17 0	4 3	18 38	4 44	14 12	2 0	21 31	1 11	23 56	0 22	23 38	0 2	9 16	0 27	16 25	1 2	26 20	2 37	23 36	23 35	22 23		n.a.
S 6	23 23	20 4	3 16	18 42	4 43	13 54	2 11	21 23	1 11	23 56	0 22	23 38	0 2	9 16	0 27	16 24	1 2	26 20	2 37	23 36	23 34	22 23		n.a.
S 7	23 19	22 17	2 21	18 47	4 40	13 37	2 22	21 14	1 11	23 55	0 22	23 38	0 2	9 16	0 27	16 23	1 1	26 20	2 37	23 36	23 34	22 24		n.a.
M 8	23 14	23 32	1 20	18 54	4 36	13 19	2 34	21 5	1 11	23 54	0 22	23 38	0 2	9 16	0 27	16 23	1 1	26 20	2 37	23 37	23 34	22 25		n.a.
T 9	23 9	23 43	0 15	19 3	4 30	13 2	2 45	20 56	1 11	23 54	0 22	23 37	0 2	9 16	0 27	16 22	1 1	26 20	2 38	23 37	23 34	22 25		n.a.
W10	23 4	22 48	0n52	19 12	4 22	12 45	2 57	20 47	1 10	23 53	0 22	23 37	0 2	9 16	0 27	16 22	1 1	26 20	2 38	23 37	23 34	22 26		n.a.
T 11	22 58	20 48	1 56	19 23	4 13	12 29	3 9	20 38	1 10	23 53	0 22	23 37	0 2	9 16	0 27	16 21	1 1	26 20	2 38	23 36	23 34	22 27		n.a.
F 12	22 52	17 49	2 56	19 35	4 2	12 13	3 22	20 29	1 10	23 52	0 22	23 37	0 3	9 17	0 27	16 20	1 1	26 20	2 38	23 36	23 33	22 27		n.a.
S 13	22 45	13 58	3 49	19 48	3 50	11 57	3 34	20 19	1 10	23 51	0 23	23 36	0 3	9 17	0 27	16 20	1 1	26 20	2 38	23 36	23 33	22 28		n.a.
S 14	22 38	9 26	4 31	20 2	3 36	11 42	3 47	20 9	1 9	23 50	0 23	23 36	0 3	9 17	0 27	16 19	1 1	26 21	2 38	23 36	23 33	22 28		n.a.
M15	22 30	4 25	5 0	20 17	3 22	11 27	4 0	20 0	1 9	23 50	0 23	23 36	0 3	9 17	0 27	16 19	1 1	26 21	2 38	23 36	23 33	22 29		n.a.
T 16	22 22	0n53	5 13	20 32	3 7	11 13	4 13	19 50	1 9	23 49	0 23	23 35	0 3	9 17	0 27	16 18	1 1	26 21	2 38	23 36	23 33	22 30		n.a.
W17	22 14	6 14	5 10	20 48	2 51	10 59	4 26	19 39	1 9	23 48	0 23	23 35	0 3	9 17	0 27	16 17	1 1	26 21	2 38	23 36	23 33	22 30		n.a.
T 18	22 5	11 23	4 49	21 4	2 35	10 47	4 39	19 29	1 9	23 47	0 23	23 35	0 3	9 18	0 27	16 17	1 1	26 21	2 38	23 36	23 33	22 31		n.a.
F 19	21 56	16 2	4 11	21 20	2 18	10 34	4 52	19 19	1 8	23 47	0 23	23 34	0 3	9 18	0 27	16 16	1 1	26 21	2 38	23 36	23 32	22 32		n.a.
S 20	21 47	19 52	3 16	21 35	2 2	10 23	5 5	19 8	1 8	23 46	0 23	23 34	0 3	9 18	0 27	16 15	1 1	26 21	2 38	23 36	23 32	22 32		n.a.
S 21	21 37	22 31	2 9	21 51	1 45	10 12	5 19	18 57	1 8	23 45	0 23	23 34	0 3	9 18	0 27	16 15	1 1	26 21	2 38	23 36	23 32	22 33		n.a.
M22	21 27	23 42	0 53	22 6	1 28	10 2	5 32	18 47	1 8	23 44	0 23	23 33	0 3	9 19	0 27	16 14	1 1	26 21	2 38	23 36	23 32	22 33		n.a.
T 23	21 16	23 16	0s27	22 20	1 12	9 52	5 45	18 36	1 7	23 43	0 24	23 33	0 4	9 19	0 27	16 13	1 1	26 21	2 38	23 36	23 32	22 34		n.a.
W24	21 5	21 13	1 45	22 33	0 55	9 44	5 58	18 24	1 7	23 42	0 24	23 33	0 4	9 19	0 27	16 13	1 1	26 21	2 38	23 36	23 31	22 34		n.a.
T 25	20 54	17 50	2 56	22 44	0 40	9 36	6 11	18 13	1 7	23 41	0 24	23 32	0 4	9 20	0 27	16 12	1 1	26 21	2 39	23 36	23 31	22 35		n.a.
F 26	20 42	13 26	3 54	22 54	0 24	9 30	6 23	18 2	1 7	23 40	0 24	23 32	0 4	9 20	0 27	16 11	1 1	26 21	2 39	23 36	23 31	22 36		n.a.
S 27	20 30	8 25	4 37	23 3	0 10	9 24	6 36	17 50	1 6	23 40	0 24	23 32	0 4	9 21	0 27	16 11	1 1	26 21	2 39	23 35	23 31	22 36		n.a.
S 28	20 17	3 9	5 2	23 9	0n 4	9 19	6 48	17 39	1 6	23 39	0 24	23 31	0 4	9 21	0 27	16 10	1 1	26 21	2 39	23 35	23 31	22 37		n.a.
M29	20 5	2s 7	5 11	23 14	0 17	9 15	6 59	17 27	1 6	23 38	0 24	23 31	0 4	9 21	0 27	16 9	1 1	26 21	2 39	23 35	23 31	22 37		n.a.
T 30	19 51	7 8	5 4	23 16	0 30	9 12	7 10	17 15	1 6	23 37	0 24	23 31	0 4	9 22	0 26	16 9	1 1	26 21	2 39	23 35	23 30	22 38		n.a.
W31	19n38	11s44	4s43	23n15	0n41	9n10	7s21	17n 3	1n 5	23n36	0n25	23n30	0n 4	9s22	0n26	16n 8	1n 1	26s21	2s39	23s34	23s30	22s38		n.a.

Julian Day Number = 1646728.5, Delta T = 03h33m18s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'32, Lahiri = - 6°46'31 Julian Calendar 1 July 205 BCE == Greg. Calendar 27 June 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

AUGUST 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 24 13	4♌19'16	0♏49	19♋ 3	15°R39	17♌21	12♋ 3	8♋49	25♎ 0	19♌28	28°R 7	23°D49	22♐27	2♐39	n.a.	T 1
F 2	20 28 9	5°17'23	12°46	20°45	15♌ 7	18° 0	12°16	8°56	25° 2	19°31	28♐ 6	23♐50	22°23	2°45	n.a.	F 2
S 3	20 32 6	6°15'32	24°37	22°31	14°35	18°38	12°29	9° 3	25° 3	19°33	28° 5	23°51	22°20	2°52	n.a.	S 3
S 4	20 36 3	7°13'42	6♐26	24°19	14° 1	19°17	12°41	9°11	25° 4	19°35	28° 3	23°52	22°17	2°59	n.a.	S 4
M 5	20 39 59	8°11'54	18°18	26° 9	13°26	19°56	12°54	9°18	25° 6	19°37	28° 2	23°R54	22°14	3° 5	n.a.	M 5
T 6	20 43 56	9°10'07	0♑17	28° 1	12°50	20°35	13° 7	9°25	25° 7	19°39	28° 1	23°53	22°11	3°12	n.a.	T 6
W 7	20 47 52	10° 8'22	12°27	29°54	12°13	21°14	13°19	9°32	25° 9	19°42	28° 1	23°52	22° 8	3°19	n.a.	W 7
T 8	20 51 49	11° 6'39	24°51	1♌48	11°36	21°53	13°32	9°39	25°10	19°44	28° 0	23°48	22° 4	3°25	n.a.	T 8
F 9	20 55 45	12° 4'58	7♒30	3°43	10°59	22°32	13°44	9°46	25°12	19°46	27°59	23°42	22° 1	3°32	n.a.	F 9
S 10	20 59 42	13° 3'19	20°25	5°38	10°22	23°10	13°56	9°53	25°14	19°48	27°58	23°34	21°58	3°39	n.a.	S 10
S 11	21 3 38	14° 1'41	3♓36	7°33	9°46	23°49	14° 9	10° 0	25°15	19°50	27°57	23°26	21°55	3°45	n.a.	S 11
M12	21 7 35	15° 0'06	17° 0	9°28	9°10	24°28	14°21	10° 6	25°17	19°53	27°56	23°17	21°52	3°52	n.a.	M12
T 13	21 11 32	15°58'32	0♈37	11°23	8°35	25° 7	14°33	10°13	25°19	19°55	27°55	23° 9	21°49	3°59	n.a.	T 13
W14	21 15 28	16°57'01	14°23	13°17	8° 1	25°47	14°45	10°20	25°21	19°57	27°54	23° 3	21°45	4° 5	n.a.	W14
T 15	21 19 25	17°55'32	28°18	15°11	7°28	26°26	14°57	10°27	25°23	19°59	27°53	22°59	21°42	4°12	n.a.	T 15
F 16	21 23 21	18°54'06	12♉18	17° 4	6°57	27° 5	15° 9	10°33	25°25	20° 2	27°53	22°57	21°39	4°19	n.a.	F 16
S 17	21 27 18	19°52'42	26°25	18°56	6°27	27°44	15°21	10°40	25°27	20° 4	27°52	22°D57	21°36	4°25	n.a.	S 17
S 18	21 31 14	20°51'20	10♊35	20°47	5°59	28°23	15°33	10°47	25°29	20° 6	27°51	22°58	21°33	4°32	n.a.	S 18
M19	21 35 11	21°50'01	24°48	22°38	5°33	29° 3	15°45	10°53	25°31	20° 8	27°50	22°R58	21°29	4°39	n.a.	M19
T 20	21 39 7	22°48'44	9♋ 2	24°27	5°10	29°42	15°57	11° 0	25°33	20°10	27°50	22°57	21°26	4°45	n.a.	T 20
W21	21 43 4	23°47'29	23°14	26°16	4°48	0♍21	16° 9	11° 6	25°35	20°13	27°49	22°54	21°23	4°52	n.a.	W21
T 22	21 47 1	24°46'16	7♌20	28° 3	4°29	1° 1	16°20	11°12	25°37	20°15	27°48	22°48	21°20	4°58	n.a.	T 22
F 23	21 50 57	25°45'06	21°16	29°50	4°11	1°40	16°32	11°19	25°40	20°17	27°48	22°40	21°17	5° 5	n.a.	F 23
S 24	21 54 54	26°43'58	4♍58	1♍36	3°57	2°19	16°44	11°25	25°42	20°19	27°47	22°29	21°14	5°12	n.a.	S 24
S 25	21 58 50	27°42'51	18°22	3°21	3°44	2°59	16°55	11°31	25°44	20°22	27°47	22°18	21°10	5°18	n.a.	S 25
M26	22 2 47	28°41'47	1♎26	5° 4	3°34	3°38	17° 7	11°37	25°47	20°24	27°46	22° 7	21° 7	5°25	n.a.	M26
T 27	22 6 43	29°40'45	14° 9	6°47	3°27	4°18	17°18	11°43	25°49	20°26	27°46	21°58	21° 4	5°32	n.a.	T 27
W28	22 10 40	0♍39'44	26°34	8°29	3°21	4°58	17°29	11°49	25°52	20°28	27°45	21°50	21° 1	5°38	n.a.	W28
T 29	22 14 36	1°38'46	8♏43	10°10	3°19	5°37	17°40	11°55	25°54	20°30	27°45	21°46	20°58	5°45	n.a.	T 29
F 30	22 18 33	2°37'49	20°41	11°50	3°D18	6°17	17°52	12° 1	25°57	20°33	27°44	21°43	20°55	5°52	n.a.	F 30
S 31	22 22 29	3♍36'55	2♐31	13♍29	3♌20	6♍56	18♋ 3	12♋ 7	25♎59	20♌35	27♐44	21°D42	20♐51	5♐58	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19n24	15s46	4s 9	23n12	0n52	9n 9	7s31	16n51	1n 5	23n34	0n25	23n30	0n 4	9s23	0n26	16n 7	1n 1	26s21	2s39	23s34	23s30	22s39			n.a.
F 2	19 10	19 6	3 25	23 7	1 2	9 9	7 41	16 39	1 5	23 33	0 25	23 29	0 4	9 23	0 26	16 7	1 1	26 21	2 39	23 34	23 30	22 39			n.a.
S 3	18 56	21 36	2 32	22 58	1 10	9 10	7 50	16 26	1 5	23 32	0 25	23 29	0 5	9 24	0 26	16 6	1 1	26 21	2 39	23 34	23 30	22 40			n.a.
S 4	18 41	23 10	1 33	22 47	1 18	9 11	7 58	16 14	1 4	23 31	0 25	23 29	0 5	9 24	0 26	16 5	1 1	26 21	2 39	23 35	23 30	22 40			n.a.
M 5	18 26	23 42	0 30	22 33	1 25	9 14	8 5	16 1	1 4	23 30	0 25	23 28	0 5	9 25	0 26	16 5	1 1	26 21	2 39	23 35	23 29	22 41			n.a.
T 6	18 10	23 9	0n35	22 17	1 31	9 18	8 11	15 48	1 4	23 29	0 25	23 28	0 5	9 26	0 26	16 4	1 1	26 21	2 39	23 35	23 29	22 41			n.a.
W 7	17 55	21 29	1 39	21 58	1 36	9 22	8 17	15 35	1 3	23 28	0 25	23 27	0 5	9 26	0 26	16 3	1 1	26 21	2 39	23 35	23 29	22 42			n.a.
T 8	17 39	18 48	2 39	21 37	1 40	9 28	8 22	15 22	1 3	23 27	0 26	23 27	0 5	9 27	0 26	16 3	1 1	26 21	2 39	23 34	23 29	22 42			n.a.
F 9	17 22	15 11	3 33	21 13	1 43	9 34	8 26	15 9	1 3	23 26	0 26	23 26	0 5	9 27	0 26	16 2	1 1	26 21	2 39	23 34	23 29	22 43			n.a.
S 10	17 6	10 47	4 17	20 47	1 46	9 41	8 29	14 56	1 3	23 24	0 26	23 26	0 5	9 28	0 26	16 1	1 1	26 21	2 39	23 34	23 28	22 43			n.a.
S 11	16 49	5 50	4 48	20 19	1 47	9 48	8 31	14 43	1 2	23 23	0 26	23 26	0 5	9 29	0 26	16 0	1 1	26 21	2 39	23 33	23 28	22 44			n.a.
M12	16 32	0 31	5 5	19 50	1 48	9 56	8 32	14 29	1 2	23 22	0 26	23 25	0 5	9 29	0 26	16 0	1 1	26 21	2 39	23 33	23 28	22 44			n.a.
T 13	16 14	4n53	5 4	19 18	1 49	10 5	8 32	14 16	1 2	23 21	0 26	23 25	0 6	9 30	0 26	15 59	1 1	26 21	2 39	23 32	23 28	22 45			n.a.
W14	15 56	10 7	4 46	18 45	1 48	10 14	8 32	14 2	1 1	23 20	0 26	23 24	0 6	9 31	0 26	15 58	1 1	26 21	2 39	23 32	23 28	22 45			n.a.
T 15	15 38	14 53	4 11	18 11	1 47	10 24	8 30	13 48	1 1	23 18	0 26	23 24	0 6	9 32	0 26	15 58	1 1	26 21	2 39	23 32	23 27	22 45			n.a.
F 16	15 20	18 53	3 20	17 35	1 46	10 34	8 28	13 35	1 1	23 17	0 27	23 23	0 6	9 32	0 26	15 57	1 1	26 21	2 39	23 32	23 27	22 46			n.a.
S 17	15 1	21 48	2 17	16 58	1 44	10 44	8 24	13 21	1 0	23 16	0 27	23 23	0 6	9 33	0 26	15 56	1 1	26 21	2 39	23 32	23 27	22 46			n.a.
S 18	14 43	23 23	1 6	16 20	1 41	10 55	8 20	13 7	1 0	23 15	0 27	23 23	0 6	9 34	0 26	15 55	1 1	26 21	2 39	23 32	23 27	22 47			n.a.
M19	14 24	23 27	0s10	15 40	1 38	11 5	8 16	12 52	1 0	23 13	0 27	23 22	0 6	9 35	0 26	15 55	1 1	26 21	2 39	23 32	23 27	22 47			n.a.
T 20	14 4	22 0	1 25	15 0	1 35	11 16	8 10	12 38	0 59	23 12	0 27	23 22	0 6	9 35	0 26	15 54	1 2	26 21	2 39	23 32	23 26	22 47			n.a.
W21	13 45	19 10	2 34	14 20	1 31	11 27	8 4	12 24	0 59	23 11	0 27	23 21	0 6	9 36	0 26	15 53	1 2	26 22	2 39	23 32	23 26	22 48			n.a.
T 22	13 25	15 13	3 34	13 38	1 27	11 38	7 58	12 9	0 59	23 10	0 27	23 21	0 6	9 37	0 26	15 53	1 2	26 22	2 39	23 31	23 26	22 48			n.a.
F 23	13 5	10 29	4 19	12 56	1 22	11 49	7 50	11 55	0 58	23 8	0 28	23 20	0 7	9 38	0 26	15 52	1 2	26 22	2 39	23 31	23 26	22 49			n.a.
S 24	12 45	5 19	4 49	12 14	1 17	12 0	7 43	11 40	0 58	23 7	0 28	23 20	0 7	9 39	0 26	15 51	1 2	26 22	2 40	23 30	23 26	22 49			n.a.
S 25	12 24	0 1	5 2	11 31	1 12	12 11	7 34	11 26	0 58	23 6	0 28	23 20	0 7	9 40	0 26	15 51	1 2	26 22	2 40	23 30	23 25	22 49			n.a.
M26	12 4	5s 8	4 59	10 48	1 7	12 21	7 26	11 11	0 58	23 4	0 28	23 19	0 7	9 41	0 26	15 50	1 2	26 22	2 40	23 29	23 25	22 50			n.a.
T 27	11 43	9 57	4 41	10 4	1 1	12 32	7 17	10 56	0 57	23 3	0 28	23 19	0 7	9 42	0 26	15 49	1 2	26 22	2 40	23 28	23 25	22 50			n.a.
W28	11 22	14 14	4 10	9 20	0 55	12 42	7 8	10 41	0 57	23 2	0 28	23 18	0 7	9 43	0 26	15 48	1 2	26 22	2 40	23 28	23 25	22 51			n.a.
T 29	11 1	17 51	3 28	8 36	0 49	12 52	6 58	10 26	0 56	23 0	0 28	23 18	0 7	9 43	0 26	15 48	1 2	26 22	2 40	23 28	23 24	22 51			n.a.
F 30	10 39	20 39	2 37	7 52	0 43	13 2	6 48	10 11	0 56	22 59	0 29	23 17	0 7	9 44	0 26	15 47	1 2	26 22	2 40	23 27	23 24	22 51			n.a.
S 31	10n18	22s33	1s40	7n 8	0n37	13n11	6s38	9n56	0n56	22n58	0n29	23n17	0n 7	9s45	0n26	15n46	1n 2	26s22	2s40	23s27	23s24	22s52			n.a.

Julian Day Number = 1646759.5, Delta T = 03h33m17s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'27, Lahiri = - 6°46'27 Julian Calendar 1 Aug. 205 BCE == Greg. Calendar 28 July 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

SEPTEMBER 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 26 26	4♍36'02	14♐19	15♍ 7	3♌24	7♍36	18♋14	12♋12	26♎ 2	20♌37	27°R43	21♐43	20♐48	6♐ 5	n.a.	S 1
M 2	22 30 23	5°35'11	26°11	16°45	3°31	8°16	18°24	12°18	26° 5	20°39	27♐43	21°R43	20°45	6°12	n.a.	M 2
T 3	22 34 19	6°34'22	8♑13	18°21	3°40	8°56	18°35	12°24	26° 7	20°41	27°43	21°41	20°42	6°18	n.a.	T 3
W 4	22 38 16	7°33'35	20°28	19°57	3°51	9°36	18°46	12°29	26°10	20°44	27°42	21°38	20°39	6°25	n.a.	W 4
T 5	22 42 12	8°32'50	3♒ 1	21°32	4° 4	10°15	18°57	12°35	26°13	20°46	27°42	21°32	20°35	6°32	n.a.	T 5
F 6	22 46 9	9°32'07	15°54	23° 6	4°19	10°55	19° 7	12°40	26°16	20°48	27°42	21°24	20°32	6°38	n.a.	F 6
S 7	22 50 5	10°31'26	29° 8	24°40	4°36	11°35	19°18	12°45	26°19	20°50	27°42	21°13	20°29	6°45	n.a.	S 7
S 8	22 54 2	11°30'46	12♓42	26°12	4°55	12°15	19°28	12°51	26°21	20°52	27°42	21° 1	20°26	6°52	n.a.	S 8
M 9	22 57 58	12°30'09	26°32	27°44	5°16	12°55	19°38	12°56	26°24	20°54	27°41	20°49	20°23	6°58	n.a.	M 9
T 10	23 1 55	13°29'35	10♈35	29°15	5°39	13°35	19°48	13° 1	26°27	20°56	27°41	20°37	20°20	7° 5	n.a.	T 10
W11	23 5 52	14°29'02	24°46	0♎46	6° 3	14°15	19°58	13° 6	26°30	20°58	27°41	20°28	20°16	7°11	n.a.	W11
T 12	23 9 48	15°28'32	9♉ 1	2°15	6°30	14°56	20° 8	13°11	26°33	21° 0	27°41	20°22	20°13	7°18	n.a.	T 12
F 13	23 13 45	16°28'04	23°14	3°44	6°58	15°36	20°18	13°16	26°36	21° 3	27°41	20°18	20°10	7°25	n.a.	F 13
S 14	23 17 41	17°27'39	7♊25	5°12	7°27	16°16	20°28	13°20	26°39	21° 5	27°D41	20°17	20° 7	7°31	n.a.	S 14
S 15	23 21 38	18°27'16	21°30	6°39	7°58	16°56	20°38	13°25	26°43	21° 7	27°41	20°17	20° 4	7°38	n.a.	S 15
M16	23 25 34	19°26'56	5♋31	8° 6	8°31	17°37	20°47	13°30	26°46	21° 9	27°41	20°17	20° 0	7°45	n.a.	M16
T 17	23 29 31	20°26'38	19°25	9°32	9° 5	18°17	20°57	13°34	26°49	21°11	27°41	20°15	19°57	7°51	n.a.	T 17
W18	23 33 27	21°26'23	3♌13	10°57	9°41	18°57	21° 6	13°39	26°52	21°13	27°41	20°10	19°54	7°58	n.a.	W18
T 19	23 37 24	22°26'09	16°54	12°21	10°17	19°38	21°15	13°43	26°55	21°15	27°42	20° 3	19°51	8° 5	n.a.	T 19
F 20	23 41 21	23°25'58	0♍24	13°44	10°55	20°18	21°25	13°47	26°58	21°17	27°42	19°53	19°48	8°11	n.a.	F 20
S 21	23 45 17	24°25'49	13°44	15° 6	11°35	20°59	21°34	13°51	27° 2	21°19	27°42	19°40	19°45	8°18	n.a.	S 21
S 22	23 49 14	25°25'42	26°49	16°27	12°15	21°39	21°43	13°55	27° 5	21°20	27°42	19°27	19°41	8°25	n.a.	S 22
M23	23 53 10	26°25'37	9♎40	17°47	12°57	22°20	21°51	13°59	27° 8	21°22	27°42	19°13	19°38	8°31	n.a.	M23
T 24	23 57 7	27°25'35	22°14	19° 7	13°40	23° 0	22° 0	14° 3	27°12	21°24	27°43	19° 2	19°35	8°38	n.a.	T 24
W25	0 1 3	28°25'34	4♏33	20°24	14°23	23°41	22° 9	14° 7	27°15	21°26	27°43	18°52	19°32	8°45	n.a.	W25
T 26	0 5 0	29°25'35	16°38	21°41	15° 8	24°22	22°17	14°11	27°18	21°28	27°43	18°45	19°29	8°51	n.a.	T 26
F 27	0 8 56	0♎25'38	28°33	22°56	15°54	25° 2	22°25	14°14	27°22	21°30	27°44	18°41	19°26	8°58	n.a.	F 27
S 28	0 12 53	1°25'42	10♐22	24°10	16°41	25°43	22°33	14°18	27°25	21°32	27°44	18°40	19°22	9° 4	n.a.	S 28
S 29	0 16 49	2°25'49	22° 9	25°22	17°28	26°24	22°41	14°21	27°29	21°33	27°44	18°D39	19°19	9°11	n.a.	S 29
M30	0 20 46	3♎25'57	4♑ 0	26♎32	18♌17	27♍ 5	22♋49	14♋25	27♎32	21♌35	27♐45	18°R40	19♐16	9♐18	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9n56	23s26	0s39	6n24	0n30	13n20	6s28	9n40	0n55	22n56	0n29	23n16	0n 7	9s46	0n26	15n46	1n 2	26s22	2s40	23s27	23s24	22s52		n.a.
M 2	9 34	23 16	0n24	5 39	0 24	13 28	6 18	9 25	0 55	22 55	0 29	23 16	0 8	9 47	0 26	15 45	1 2	26 22	2 40	23 27	23 24	22 52		n.a.
T 3	9 12	22 1	1 27	4 55	0 17	13 37	6 7	9 10	0 55	22 54	0 29	23 16	0 8	9 48	0 25	15 44	1 2	26 22	2 40	23 27	23 23	22 53		n.a.
W 4	8 50	19 44	2 26	4 11	0 10	13 44	5 57	8 54	0 54	22 52	0 29	23 15	0 8	9 49	0 25	15 44	1 2	26 22	2 40	23 27	23 23	22 53		n.a.
T 5	8 28	16 28	3 20	3 27	0 3	13 52	5 46	8 38	0 54	22 51	0 30	23 15	0 8	9 50	0 25	15 43	1 2	26 22	2 40	23 27	23 23	22 53		n.a.
F 6	8 5	12 21	4 6	2 43	0s 4	13 59	5 35	8 23	0 54	22 50	0 30	23 14	0 8	9 52	0 25	15 42	1 2	26 22	2 40	23 26	23 23	22 54		n.a.
S 7	7 42	7 33	4 39	1 59	0 11	14 5	5 25	8 7	0 53	22 48	0 30	23 14	0 8	9 53	0 25	15 42	1 2	26 22	2 40	23 25	23 22	22 54		n.a.
S 8	7 20	2 18	4 58	1 15	0 18	14 11	5 14	7 51	0 53	22 47	0 30	23 14	0 8	9 54	0 25	15 41	1 2	26 22	2 40	23 25	23 22	22 54		n.a.
M 9	6 57	3n10	4 59	0 32	0 25	14 16	5 3	7 36	0 53	22 46	0 30	23 13	0 8	9 55	0 25	15 40	1 2	26 22	2 40	23 24	23 22	22 54		n.a.
T 10	6 34	8 34	4 43	0s11	0 32	14 21	4 53	7 20	0 52	22 44	0 30	23 13	0 8	9 56	0 25	15 40	1 2	26 22	2 40	23 23	23 22	22 55		n.a.
W11	6 11	13 33	4 9	0 54	0 39	14 26	4 42	7 4	0 52	22 43	0 31	23 12	0 8	9 57	0 25	15 39	1 2	26 22	2 40	23 22	23 21	22 55		n.a.
T 12	5 47	17 49	3 20	1 36	0 46	14 29	4 31	6 48	0 51	22 42	0 31	23 12	0 9	9 58	0 25	15 38	1 2	26 22	2 40	23 22	23 21	22 55		n.a.
F 13	5 24	21 1	2 18	2 19	0 53	14 33	4 21	6 32	0 51	22 40	0 31	23 12	0 9	9 59	0 25	15 38	1 2	26 22	2 40	23 22	23 21	22 56		n.a.
S 14	5 1	22 55	1 8	3 0	1 0	14 35	4 10	6 15	0 51	22 39	0 31	23 11	0 9	10 0	0 25	15 37	1 2	26 22	2 40	23 22	23 21	22 56		n.a.
S 15	4 37	23 20	0s 6	3 42	1 7	14 37	4 0	5 59	0 50	22 38	0 31	23 11	0 9	10 1	0 25	15 36	1 2	26 22	2 40	23 22	23 21	22 56		n.a.
M16	4 13	22 17	1 20	4 23	1 14	14 39	3 50	5 43	0 50	22 36	0 31	23 11	0 9	10 3	0 25	15 36	1 2	26 22	2 40	23 22	23 20	22 56		n.a.
T 17	3 50	19 52	2 27	5 3	1 21	14 40	3 40	5 27	0 49	22 35	0 32	23 10	0 9	10 4	0 25	15 35	1 2	26 22	2 40	23 21	23 20	22 57		n.a.
W18	3 26	16 19	3 26	5 43	1 27	14 40	3 30	5 10	0 49	22 34	0 32	23 10	0 9	10 5	0 25	15 34	1 2	26 22	2 40	23 21	23 20	22 57		n.a.
T 19	3 2	11 57	4 12	6 22	1 34	14 40	3 20	4 54	0 49	22 33	0 32	23 10	0 9	10 6	0 25	15 34	1 2	26 22	2 40	23 20	23 20	22 57		n.a.
F 20	2 38	7 2	4 43	7 1	1 41	14 39	3 10	4 37	0 48	22 31	0 32	23 9	0 9	10 7	0 25	15 33	1 2	26 22	2 40	23 20	23 19	22 57		n.a.
S 21	2 14	1 53	4 59	7 39	1 47	14 38	3 0	4 21	0 48	22 30	0 32	23 9	0 10	10 9	0 25	15 33	1 2	26 22	2 40	23 19	23 19	22 57		n.a.
S 22	1 50	3s16	4 58	8 17	1 53	14 36	2 51	4 4	0 47	22 29	0 32	23 9	0 10	10 10	0 25	15 32	1 2	26 22	2 40	23 18	23 19	22 58		n.a.
M23	1 26	8 11	4 42	8 54	1 59	14 33	2 41	3 48	0 47	22 28	0 33	23 8	0 10	10 11	0 25	15 31	1 2	26 22	2 40	23 17	23 19	22 58		n.a.
T 24	1 2	12 39	4 12	9 30	2 5	14 30	2 32	3 31	0 47	22 26	0 33	23 8	0 10	10 12	0 25	15 31	1 2	26 22	2 40	23 16	23 18	22 58		n.a.
W25	0 38	16 29	3 31	10 5	2 11	14 26	2 23	3 15	0 46	22 25	0 33	23 8	0 10	10 14	0 25	15 30	1 2	26 22	2 40	23 15	23 18	22 58		n.a.
T 26	0 14	19 34	2 41	10 39	2 16	14 21	2 14	2 58	0 46	22 24	0 33	23 7	0 10	10 15	0 25	15 30	1 2	26 22	2 40	23 14	23 18	22 58		n.a.
F 27	0s10	21 46	1 45	11 12	2 21	14 16	2 5	2 41	0 45	22 23	0 33	23 7	0 10	10 16	0 25	15 29	1 2	26 22	2 40	23 14	23 18	22 59		n.a.
S 28	0 34	22 59	0 44	11 44	2 26	14 11	1 56	2 24	0 45	22 22	0 34	23 7	0 10	10 17	0 25	15 29	1 2	26 22	2 40	23 14	23 17	22 59		n.a.
S 29	0 59	23 11	0n19	12 16	2 31	14 4	1 47	2 8	0 44	22 20	0 34	23 7	0 10	10 19	0 25	15 28	1 2	26 22	2 40	23 14	23 17	22 59		n.a.
M30	1s23	22s19	1n21	12s45	2s35	13n58	1s39	1n51	0n44	22n19	0n34	23n 6	0n11	10s20	0n25	15n27	1n 2	26s22	2s40	23s14	23s17	22s59		n.a.

Julian Day Number = 1646790.5, Delta T = 03h33m16s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'23, Lahiri = - 6°46'23 Julian Calendar 1 Sept. 205 BCE == Greg. Calendar 28 Aug. 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

OCTOBER 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 24 43	4♎26'06	16♉ 0	27♎40	19♌ 6	27♍46	22♋57	14♋28	27♎36	21♌37	27♐45	18°R39	19♐13	9♐24	n.a.	T 1
W 2	0 28 39	5°26'18	28°15	28°46	19°56	28°27	23° 5	14°31	27°39	21°39	27°46	18♐37	19°10	9°31	n.a.	W 2
T 3	0 32 36	6°26'31	10♒50	29°49	20°47	29° 8	23°12	14°34	27°43	21°40	27°47	18°32	19° 6	9°38	n.a.	T 3
F 4	0 36 32	7°26'45	23°48	0♏50	21°39	29°49	23°20	14°37	27°46	21°42	27°47	18°25	19° 3	9°44	n.a.	F 4
S 5	0 40 29	8°27'02	7♓12	1°47	22°31	0♎30	23°27	14°40	27°50	21°44	27°48	18°15	19° 0	9°51	n.a.	S 5
S 6	0 44 25	9°27'20	21° 1	2°41	23°25	1°11	23°34	14°43	27°53	21°45	27°48	18° 4	18°57	9°58	n.a.	S 6
M 7	0 48 22	10°27'39	5♈12	3°30	24°18	1°52	23°41	14°45	27°57	21°47	27°49	17°53	18°54	10° 4	n.a.	M 7
T 8	0 52 18	11°28'01	19°40	4°16	25°13	2°33	23°48	14°48	28° 1	21°49	27°50	17°43	18°51	10°11	n.a.	T 8
W 9	0 56 15	12°28'24	4♉18	4°56	26° 8	3°14	23°54	14°50	28° 4	21°50	27°50	17°34	18°47	10°18	n.a.	W 9
T 10	1 0 12	13°28'49	18°59	5°31	27° 4	3°56	24° 1	14°52	28° 8	21°52	27°51	17°29	18°44	10°24	n.a.	T 10
F 11	1 4 8	14°29'16	3♊36	6° 0	28° 0	4°37	24° 7	14°55	28°11	21°53	27°52	17°26	18°41	10°31	n.a.	F 11
S 12	1 8 5	15°29'46	18° 3	6°22	28°57	5°18	24°14	14°57	28°15	21°55	27°53	17°D25	18°38	10°38	n.a.	S 12
S 13	1 12 1	16°30'17	2♋19	6°37	29°55	6° 0	24°20	14°59	28°19	21°56	27°54	17°26	18°35	10°44	n.a.	S 13
M14	1 15 58	17°30'50	16°20	6°R43	0♍53	6°41	24°26	15° 1	28°22	21°58	27°54	17°R26	18°32	10°51	n.a.	M14
T 15	1 19 54	18°31'25	0♌ 7	6°41	1°52	7°22	24°31	15° 2	28°26	21°59	27°55	17°25	18°28	10°57	n.a.	T 15
W16	1 23 51	19°32'02	13°41	6°28	2°51	8° 4	24°37	15° 4	28°30	22° 1	27°56	17°23	18°25	11° 4	n.a.	W16
T 17	1 27 47	20°32'41	27° 1	6° 6	3°50	8°46	24°42	15° 6	28°34	22° 2	27°57	17°18	18°22	11°11	n.a.	T 17
F 18	1 31 44	21°33'22	10♍10	5°34	4°50	9°27	24°48	15° 7	28°37	22° 3	27°58	17°10	18°19	11°17	n.a.	F 18
S 19	1 35 41	22°34'04	23° 6	4°51	5°51	10° 9	24°53	15° 8	28°41	22° 5	27°59	17° 1	18°16	11°24	n.a.	S 19
S 20	1 39 37	23°34'48	5♎50	3°58	6°52	10°50	24°58	15°10	28°45	22° 6	28° 0	16°50	18°12	11°31	n.a.	S 20
M21	1 43 34	24°35'33	18°22	2°55	7°53	11°32	25° 2	15°11	28°48	22° 7	28° 1	16°40	18° 9	11°37	n.a.	M21
T 22	1 47 30	25°36'20	0♏42	1°45	8°55	12°14	25° 7	15°12	28°52	22° 8	28° 2	16°31	18° 6	11°44	n.a.	T 22
W23	1 51 27	26°37'09	12°51	0°28	9°57	12°56	25°11	15°13	28°56	22°10	28° 3	16°24	18° 3	11°51	n.a.	W23
T 24	1 55 23	27°37'59	24°50	29♎ 8	11° 0	13°38	25°16	15°13	29° 0	22°11	28° 4	16°19	18° 0	11°57	n.a.	T 24
F 25	1 59 20	28°38'50	6♐42	27°46	12° 3	14°19	25°20	15°14	29° 3	22°12	28° 6	16°16	17°57	12° 4	n.a.	F 25
S 26	2 3 16	29°39'42	18°28	26°25	13° 6	15° 1	25°24	15°15	29° 7	22°13	28° 7	16°D16	17°53	12°11	n.a.	S 26
S 27	2 7 13	0♏40'36	0♉14	25° 8	14°10	15°43	25°27	15°15	29°11	22°14	28° 8	16°17	17°50	12°17	n.a.	S 27
M28	2 11 10	1°41'30	12° 4	23°58	15°14	16°25	25°31	15°15	29°14	22°15	28° 9	16°18	17°47	12°24	n.a.	M28
T 29	2 15 6	2°42'26	24° 2	22°57	16°18	17° 7	25°34	15°16	29°18	22°16	28°10	16°19	17°44	12°30	n.a.	T 29
W30	2 19 3	3°43'22	6♒14	22° 6	17°22	17°50	25°37	15°R16	29°22	22°17	28°12	16°R20	17°41	12°37	n.a.	W30
T 31	2 22 59	4♏44'19	18♒45	21♎25	18♍27	18♎32	25♋40	15♋16	29♎26	22♌18	28♐13	16♐19	17♐37	12♐44	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s47	20s26	2n20	13s14	2s39	13n50	1s31	1n34	0n44	22n18	0n34	23n 6	0n11	10s21	0n25	15n27	1n 2	26s22	2s40	23s14	23s17	22s59		n.a.
W 2	2 11	17 35	3 14	13 41	2 42	13 42	1 22	1 17	0 43	22 17	0 34	23 6	0 11	10 22	0 25	15 26	1 3	26 22	2 40	23 13	23 16	22 59		n.a.
T 3	2 35	13 52	4 0	14 7	2 45	13 34	1 14	1 0	0 43	22 16	0 35	23 6	0 11	10 24	0 25	15 26	1 3	26 22	2 40	23 13	23 16	23 0		n.a.
F 4	2 59	9 24	4 36	14 31	2 48	13 24	1 6	0 43	0 42	22 15	0 35	23 5	0 11	10 25	0 25	15 25	1 3	26 22	2 40	23 12	23 16	23 0		n.a.
S 5	3 23	4 22	4 57	14 53	2 50	13 15	0 59	0 26	0 42	22 14	0 35	23 5	0 11	10 26	0 25	15 25	1 3	26 22	2 40	23 12	23 15	23 0		n.a.
S 6	3 47	1n 1	5 2	15 13	2 51	13 4	0 51	0 9	0 41	22 13	0 35	23 5	0 11	10 28	0 25	15 24	1 3	26 22	2 40	23 11	23 15	23 0		n.a.
M 7	4 11	6 30	4 49	15 30	2 51	12 53	0 44	0s 8	0 41	22 12	0 35	23 5	0 11	10 29	0 25	15 24	1 3	26 22	2 40	23 10	23 15	23 0		n.a.
T 8	4 35	11 45	4 17	15 46	2 51	12 42	0 36	0 25	0 40	22 11	0 36	23 5	0 12	10 30	0 25	15 23	1 3	26 22	2 40	23 9	23 15	23 0		n.a.
W 9	4 59	16 22	3 29	15 59	2 50	12 30	0 29	0 42	0 40	22 10	0 36	23 5	0 12	10 32	0 25	15 23	1 3	26 22	2 40	23 8	23 14	23 0		n.a.
T 10	5 23	20 0	2 26	16 9	2 48	12 17	0 22	0 59	0 39	22 9	0 36	23 4	0 12	10 33	0 25	15 22	1 3	26 22	2 40	23 7	23 14	23 1		n.a.
F 11	5 47	22 19	1 13	16 15	2 44	12 4	0 15	1 16	0 39	22 8	0 36	23 4	0 12	10 34	0 25	15 22	1 3	26 22	2 40	23 7	23 14	23 1		n.a.
S 12	6 10	23 7	0s 3	16 19	2 40	11 50	0 9	1 33	0 39	22 7	0 36	23 4	0 12	10 36	0 25	15 21	1 3	26 22	2 40	23 7	23 14	23 1		n.a.
S 13	6 34	22 23	1 19	16 18	2 34	11 36	0 2	1 50	0 38	22 6	0 37	23 4	0 12	10 37	0 25	15 21	1 3	26 22	2 40	23 7	23 13	23 1		n.a.
M14	6 57	20 15	2 28	16 14	2 27	11 21	0n 4	2 7	0 38	22 5	0 37	23 4	0 12	10 38	0 25	15 21	1 3	26 22	2 40	23 7	23 13	23 1		n.a.
T 15	7 21	16 59	3 28	16 5	2 19	11 6	0 11	2 24	0 37	22 5	0 37	23 4	0 12	10 40	0 25	15 20	1 3	26 22	2 40	23 7	23 13	23 1		n.a.
W16	7 44	12 51	4 15	15 51	2 9	10 50	0 17	2 41	0 37	22 4	0 37	23 4	0 12	10 41	0 25	15 20	1 3	26 22	2 40	23 7	23 12	23 1		n.a.
T 17	8 7	8 9	4 47	15 33	1 57	10 34	0 23	2 58	0 36	22 3	0 37	23 4	0 13	10 42	0 25	15 19	1 3	26 22	2 40	23 6	23 12	23 1		n.a.
F 18	8 30	3 10	5 3	15 9	1 43	10 17	0 29	3 15	0 36	22 2	0 38	23 4	0 13	10 44	0 25	15 19	1 3	26 22	2 40	23 6	23 12	23 1		n.a.
S 19	8 53	1s52	5 4	14 40	1 28	10 0	0 34	3 32	0 35	22 2	0 38	23 4	0 13	10 45	0 25	15 18	1 3	26 22	2 40	23 5	23 12	23 1		n.a.
S 20	9 16	6 45	4 49	14 6	1 12	9 42	0 40	3 49	0 35	22 1	0 38	23 4	0 13	10 46	0 25	15 18	1 3	26 22	2 40	23 4	23 11	23 1		n.a.
M21	9 38	11 17	4 21	13 28	0 53	9 24	0 45	4 6	0 34	22 0	0 38	23 4	0 13	10 48	0 25	15 18	1 3	26 22	2 40	23 3	23 11	23 1		n.a.
T 22	10 1	15 17	3 40	12 45	0 34	9 6	0 50	4 22	0 34	22 0	0 39	23 4	0 13	10 49	0 25	15 17	1 3	26 22	2 40	23 2	23 11	23 1		n.a.
W23	10 23	18 35	2 50	11 59	0 14	8 47	0 55	4 39	0 33	21 59	0 39	23 4	0 13	10 50	0 25	15 17	1 3	26 22	2 40	23 1	23 10	23 1		n.a.
T 24	10 45	21 2	1 53	11 11	0n 7	8 27	1 0	4 56	0 33	21 58	0 39	23 4	0 13	10 52	0 25	15 17	1 3	26 23	2 40	23 0	23 10	23 1		n.a.
F 25	11 7	22 32	0 52	10 22	0 28	8 7	1 5	5 13	0 32	21 58	0 39	23 4	0 14	10 53	0 25	15 16	1 3	26 23	2 40	23 0	23 10	23 2		n.a.
S 26	11 29	23 1	0n12	9 34	0 48	7 47	1 10	5 30	0 32	21 57	0 40	23 4	0 14	10 54	0 25	15 16	1 3	26 23	2 40	23 0	23 10	23 2		n.a.
S 27	11 51	22 28	1 15	8 48	1 7	7 26	1 14	5 47	0 31	21 57	0 40	23 4	0 14	10 56	0 25	15 16	1 4	26 23	2 40	23 0	23 9	23 2		n.a.
M28	12 12	20 55	2 15	8 6	1 24	7 5	1 18	6 4	0 30	21 56	0 40	23 4	0 14	10 57	0 25	15 15	1 4	26 23	2 40	23 0	23 9	23 2		n.a.
T 29	12 33	18 26	3 11	7 29	1 40	6 44	1 23	6 21	0 30	21 56	0 40	23 4	0 14	10 58	0 25	15 15	1 4	26 23	2 40	23 0	23 9	23 2		n.a.
W30	12 54	15 5	3 58	6 56	1 54	6 22	1 27	6 37	0 29	21 56	0 40	23 4	0 14	11 0	0 25	15 15	1 4	26 23	2 40	23 0	23 8	23 2		n.a.
T 31	13s15	11s 0	4n36	6s30	2n 6	6n 0	1n30	6s54	0n29	21n55	0n41	23n 4	0n14	11s 1	0n25	15n15	1n 4	26s23	2s40	23s 0	23s 8	23s 2		n.a.

Julian Day Number = 1646820.5, Delta T = 03h33m15s
Ecliptic obliquity = 23°43'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'19, Lahiri = - 6°46'19 Julian Calendar 1 Oct. 205 BCE == Greg. Calendar 27 Sept. 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

NOVEMBER 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 26 56	5♏45'17	1♓40	20°R56	19♍33	19♎14	25♋43	15°R15	29♎29	22♌19	28♐14	16°R16	17♐34	12♐50	n.a.	F 1
S 2	2 30 52	6°46'16	15° 2	20♎39	20°38	19°56	25°46	15♋15	29°33	22°20	28°16	16♐11	17°31	12°57	n.a.	S 2
S 3	2 34 49	7°47'16	28°52	20°D33	21°44	20°38	25°48	15°15	29°37	22°21	28°17	16° 5	17°28	13° 4	n.a.	S 3
M 4	2 38 45	8°48'16	13♈ 9	20°37	22°50	21°21	25°50	15°14	29°40	22°22	28°18	15°59	17°25	13°10	n.a.	M 4
T 5	2 42 42	9°49'18	27°49	20°51	23°56	22° 3	25°52	15°14	29°44	22°22	28°20	15°53	17°22	13°17	n.a.	T 5
W 6	2 46 39	10°50'20	12♉45	21°15	25° 3	22°45	25°54	15°13	29°48	22°23	28°21	15°49	17°18	13°24	n.a.	W 6
T 7	2 50 35	11°51'24	27°48	21°46	26°10	23°28	25°56	15°12	29°51	22°24	28°22	15°46	17°15	13°30	n.a.	T 7
F 8	2 54 32	12°52'28	12♊50	22°25	27°17	24°10	25°57	15°11	29°55	22°25	28°24	15°D45	17°12	13°37	n.a.	F 8
S 9	2 58 28	13°53'34	27°42	23°10	28°24	24°53	25°59	15°10	29°59	22°25	28°25	15°45	17° 9	13°44	n.a.	S 9
S 10	3 2 25	14°54'40	12♋17	24° 1	29°31	25°35	26° 0	15° 9	0♏ 2	22°26	28°27	15°46	17° 6	13°50	n.a.	S 10
M11	3 6 21	15°55'48	26°32	24°57	0♎39	26°18	26° 1	15° 8	0° 6	22°26	28°28	15°48	17° 3	13°57	n.a.	M11
T 12	3 10 18	16°56'56	10♌26	25°58	1°47	27° 0	26° 1	15° 7	0°10	22°27	28°30	15°49	16°59	14° 4	n.a.	T 12
W13	3 14 14	17°58'06	23°59	27° 2	2°55	27°43	26° 2	15° 5	0°13	22°28	28°32	15°R49	16°56	14°10	n.a.	W13
T 14	3 18 11	18°59'17	7♍12	28°10	4° 4	28°26	26° 2	15° 4	0°17	22°28	28°33	15°48	16°53	14°17	n.a.	T 14
F 15	3 22 8	20° 0'28	20° 7	29°21	5°12	29° 9	26°R 2	15° 2	0°20	22°28	28°35	15°45	16°50	14°23	n.a.	F 15
S 16	3 26 4	21° 1'40	2♎46	0♏34	6°21	29°51	26° 2	15° 0	0°24	22°29	28°36	15°42	16°47	14°30	n.a.	S 16
S 17	3 30 1	22° 2'53	15°13	1°49	7°30	0♏34	26° 2	14°58	0°28	22°29	28°38	15°38	16°43	14°37	n.a.	S 17
M18	3 33 57	23° 4'07	27°28	3° 7	8°39	1°17	26° 2	14°56	0°31	22°30	28°40	15°33	16°40	14°43	n.a.	M18
T 19	3 37 54	24° 5'21	9♏34	4°26	9°48	2° 0	26° 1	14°54	0°35	22°30	28°41	15°30	16°37	14°50	n.a.	T 19
W20	3 41 50	25° 6'36	21°32	5°46	10°58	2°43	26° 0	14°52	0°38	22°30	28°43	15°27	16°34	14°57	n.a.	W20
T 21	3 45 47	26° 7'51	3♐24	7° 8	12° 7	3°26	25°59	14°50	0°42	22°31	28°45	15°26	16°31	15° 3	n.a.	T 21
F 22	3 49 43	27° 9'07	15°12	8°31	13°17	4° 9	25°58	14°47	0°45	22°31	28°46	15°D25	16°28	15°10	n.a.	F 22
S 23	3 53 40	28°10'23	26°59	9°55	14°27	4°52	25°56	14°45	0°48	22°31	28°48	15°25	16°24	15°17	n.a.	S 23
S 24	3 57 37	29°11'39	8♑46	11°20	15°37	5°35	25°55	14°42	0°52	22°31	28°50	15°27	16°21	15°23	n.a.	S 24
M25	4 1 33	0♐12'55	20°37	12°46	16°47	6°18	25°53	14°39	0°55	22°31	28°51	15°28	16°18	15°30	n.a.	M25
T 26	4 5 30	1°14'11	2♒37	14°12	17°57	7° 2	25°51	14°37	0°59	22°31	28°53	15°29	16°15	15°37	n.a.	T 26
W27	4 9 26	2°15'27	14°48	15°39	19° 8	7°45	25°48	14°34	1° 2	22°31	28°55	15°31	16°12	15°43	n.a.	W27
T 28	4 13 23	3°16'43	27°16	17° 7	20°18	8°28	25°46	14°31	1° 5	22°R31	28°57	15°31	16° 9	15°50	n.a.	T 28
F 29	4 17 19	4°17'59	10♓ 4	18°35	21°29	9°12	25°43	14°28	1° 8	22°31	28°59	15°R31	16° 5	15°57	n.a.	F 29
S 30	4 21 16	5♐19'14	23♓17	20♏ 4	22♎40	9♏55	25♋41	14♋24	1♏12	22♌31	29♐ 0	15♐31	16♐ 2	16♐ 3	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s36	6s19	5n 1	6s10	2n16	5n38	1n34	7s11	0n28	21n55	0n41	23n 4	0n14	11s 2	0n25	15n14	1n 4	26s23	2s40	23s 0	23s 8	23s 2		n.a.
S 2	13 56	1 12	5 11	5 57	2 23	5 15	1 38	7 27	0 28	21 55	0 41	23 5	0 15	11 4	0 25	15 14	1 4	26 23	2 40	23 0	23 8	23 2		n.a.
S 3	14 16	4n10	5 3	5 49	2 29	4 52	1 41	7 44	0 27	21 55	0 41	23 5	0 15	11 5	0 25	15 14	1 4	26 23	2 40	22 59	23 7	23 1		n.a.
M 4	14 36	9 29	4 37	5 47	2 33	4 28	1 45	8 0	0 27	21 54	0 42	23 5	0 15	11 6	0 25	15 14	1 4	26 23	2 40	22 58	23 7	23 1		n.a.
T 5	14 56	14 25	3 52	5 50	2 36	4 5	1 48	8 17	0 26	21 54	0 42	23 5	0 15	11 8	0 25	15 13	1 4	26 23	2 40	22 58	23 7	23 1		n.a.
W 6	15 15	18 33	2 51	5 58	2 37	3 41	1 51	8 33	0 26	21 54	0 42	23 5	0 15	11 9	0 25	15 13	1 4	26 23	2 40	22 57	23 6	23 1		n.a.
T 7	15 34	21 28	1 37	6 10	2 37	3 17	1 54	8 50	0 25	21 54	0 42	23 6	0 15	11 10	0 25	15 13	1 4	26 23	2 41	22 57	23 6	23 1		n.a.
F 8	15 53	22 52	0 16	6 25	2 35	2 52	1 56	9 6	0 24	21 54	0 43	23 6	0 15	11 11	0 25	15 13	1 4	26 23	2 41	22 57	23 6	23 1		n.a.
S 9	16 12	22 37	1s 5	6 44	2 33	2 28	1 59	9 22	0 24	21 54	0 43	23 6	0 16	11 13	0 25	15 13	1 4	26 23	2 41	22 57	23 5	23 1		n.a.
S 10	16 30	20 49	2 20	7 6	2 30	2 3	2 1	9 39	0 23	21 54	0 43	23 6	0 16	11 14	0 25	15 12	1 4	26 23	2 41	22 57	23 5	23 1		n.a.
M11	16 48	17 44	3 25	7 30	2 26	1 37	2 4	9 55	0 23	21 54	0 43	23 7	0 16	11 15	0 25	15 12	1 4	26 23	2 41	22 57	23 5	23 1		n.a.
T 12	17 6	13 43	4 17	7 57	2 22	1 12	2 6	10 11	0 22	21 54	0 44	23 7	0 16	11 17	0 25	15 12	1 4	26 23	2 41	22 57	23 4	23 1		n.a.
W13	17 23	9 6	4 52	8 25	2 17	0 47	2 8	10 27	0 22	21 54	0 44	23 7	0 16	11 18	0 25	15 12	1 4	26 23	2 41	22 57	23 4	23 1		n.a.
T 14	17 40	4 10	5 11	8 54	2 11	0 21	2 10	10 43	0 21	21 55	0 44	23 8	0 16	11 19	0 25	15 12	1 4	26 23	2 41	22 57	23 4	23 1		n.a.
F 15	17 57	0s50	5 13	9 25	2 5	0s 5	2 12	10 59	0 20	21 55	0 44	23 8	0 16	11 20	0 25	15 12	1 4	26 23	2 41	22 57	23 4	23 1		n.a.
S 16	18 13	5 42	5 1	9 57	1 59	0 31	2 13	11 15	0 20	21 55	0 45	23 8	0 16	11 22	0 25	15 12	1 4	26 24	2 41	22 56	23 3	23 1		n.a.
S 17	18 30	10 15	4 34	10 29	1 52	0 57	2 15	11 30	0 19	21 55	0 45	23 9	0 17	11 23	0 25	15 12	1 4	26 24	2 41	22 56	23 3	23 1		n.a.
M18	18 45	14 20	3 55	11 3	1 46	1 23	2 16	11 46	0 19	21 56	0 45	23 9	0 17	11 24	0 25	15 12	1 5	26 24	2 41	22 56	23 3	23 0		n.a.
T 19	19 1	17 46	3 5	11 36	1 39	1 50	2 17	12 2	0 18	21 56	0 45	23 9	0 17	11 25	0 25	15 11	1 5	26 24	2 41	22 55	23 2	23 0		n.a.
W20	19 16	20 25	2 8	12 10	1 31	2 16	2 19	12 17	0 17	21 56	0 46	23 10	0 17	11 27	0 25	15 11	1 5	26 24	2 41	22 55	23 2	23 0		n.a.
T 21	19 31	22 10	1 6	12 44	1 24	2 42	2 20	12 33	0 17	21 57	0 46	23 10	0 17	11 28	0 25	15 11	1 5	26 24	2 41	22 55	23 2	23 0		n.a.
F 22	19 45	22 54	0 1	13 18	1 17	3 9	2 20	12 48	0 16	21 57	0 46	23 10	0 17	11 29	0 25	15 11	1 5	26 24	2 41	22 55	23 1	23 0		n.a.
S 23	19 59	22 37	1n 4	13 52	1 10	3 36	2 21	13 3	0 15	21 58	0 46	23 11	0 17	11 30	0 25	15 11	1 5	26 24	2 41	22 55	23 1	23 0		n.a.
S 24	20 13	21 20	2 6	14 25	1 2	4 2	2 22	13 18	0 15	21 58	0 47	23 11	0 17	11 32	0 25	15 11	1 5	26 24	2 41	22 55	23 1	23 0		n.a.
M25	20 26	19 6	3 3	14 59	0 55	4 29	2 22	13 33	0 14	21 59	0 47	23 12	0 18	11 33	0 25	15 11	1 5	26 24	2 41	22 55	23 0	22 59		n.a.
T 26	20 39	16 1	3 53	15 32	0 47	4 56	2 23	13 48	0 14	22 0	0 47	23 12	0 18	11 34	0 25	15 11	1 5	26 24	2 41	22 55	23 0	22 59		n.a.
W27	20 51	12 14	4 33	16 5	0 40	5 22	2 23	14 3	0 13	22 0	0 47	23 13	0 18	11 35	0 25	15 11	1 5	26 24	2 41	22 55	23 0	22 59		n.a.
T 28	21 3	7 50	5 2	16 38	0 32	5 49	2 23	14 18	0 12	22 1	0 48	23 13	0 18	11 36	0 25	15 11	1 5	26 24	2 41	22 55	22 59	22 59		n.a.
F 29	21 15	3 0	5 16	17 10	0 25	6 15	2 23	14 32	0 12	22 2	0 48	23 13	0 18	11 37	0 25	15 11	1 5	26 24	2 41	22 55	22 59	22 59		n.a.
S 30	21s26	2n 7	5n15	17s41	0n18	6s42	2n23	14s47	0n11	22n 3	0n48	23n14	0n18	11s39	0n25	15n12	1n 5	26s24	2s41	22s55	22s59	22s59		n.a.

Julian Day Number = 1646851.5, Delta T = 03h33m14s
Ecliptic obliquity = 23°43'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'15, Lahiri = - 6°46'14 Julian Calendar 1 Nov. 205 BCE == Greg. Calendar 28 Oct. 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 205 BCE
geocentric

DECEMBER 205 BCE (-204) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 25 12	6♐20'29	6♈57	21♏33	23♎50	10♏38	25°R38	14°R21	1♏15	22°R31	29♐ 2	15°R30	15♐59	16♐10	n.a.	S 1
M 2	4 29 9	7°21'44	21° 4	23° 3	25° 1	11°22	25♋34	14♋18	1°18	22♑31	29° 4	15♐29	15°56	16°16	n.a.	M 2
T 3	4 33 6	8°22'59	5♉38	24°33	26°12	12° 5	25°31	14°14	1°21	22°31	29° 6	15°28	15°53	16°23	n.a.	T 3
W 4	4 37 2	9°24'13	20°34	26° 4	27°24	12°49	25°28	14°11	1°24	22°31	29° 8	15°27	15°49	16°30	n.a.	W 4
T 5	4 40 59	10°25'27	5♊44	27°35	28°35	13°32	25°24	14° 7	1°28	22°30	29°10	15°27	15°46	16°36	n.a.	T 5
F 6	4 44 55	11°26'41	20°59	29° 6	29°46	14°16	25°20	14° 4	1°31	22°30	29°11	15°D27	15°43	16°43	n.a.	F 6
S 7	4 48 52	12°27'54	6♋ 9	0♐38	0♏58	14°59	25°16	14° 0	1°34	22°30	29°13	15°27	15°40	16°50	n.a.	S 7
S 8	4 52 48	13°29'08	21° 5	2°10	2° 9	15°43	25°12	13°56	1°37	22°30	29°15	15°27	15°37	16°56	n.a.	S 8
M 9	4 56 45	14°30'21	5♌40	3°43	3°21	16°27	25° 7	13°52	1°40	22°29	29°17	15°27	15°34	17° 3	n.a.	M 9
T 10	5 0 42	15°31'35	19°49	5°16	4°33	17°11	25° 3	13°48	1°43	22°29	29°19	15°R27	15°30	17°10	n.a.	T 10
W11	5 4 38	16°32'48	3♍32	6°49	5°44	17°54	24°58	13°44	1°46	22°28	29°21	15°27	15°27	17°16	n.a.	W11
T 12	5 8 35	17°34'00	16°49	8°23	6°56	18°38	24°53	13°40	1°49	22°28	29°23	15°D27	15°24	17°23	n.a.	T 12
F 13	5 12 31	18°35'13	29°42	9°57	8° 8	19°22	24°48	13°36	1°51	22°27	29°25	15°27	15°21	17°30	n.a.	F 13
S 14	5 16 28	19°36'26	12♎15	11°32	9°20	20° 6	24°42	13°32	1°54	22°27	29°27	15°28	15°18	17°36	n.a.	S 14
S 15	5 20 24	20°37'38	24°32	13° 8	10°32	20°50	24°37	13°28	1°57	22°26	29°29	15°28	15°15	17°43	n.a.	S 15
M16	5 24 21	21°38'50	6♏37	14°43	11°45	21°34	24°31	13°23	2° 0	22°26	29°31	15°29	15°11	17°49	n.a.	M16
T 17	5 28 17	22°40'01	18°32	16°20	12°57	22°18	24°26	13°19	2° 2	22°25	29°33	15°30	15° 8	17°56	n.a.	T 17
W18	5 32 14	23°41'12	0♐22	17°56	14° 9	23° 2	24°20	13°14	2° 5	22°24	29°34	15°30	15° 5	18° 3	n.a.	W18
T 19	5 36 11	24°42'22	12°10	19°34	15°22	23°46	24°14	13°10	2° 8	22°24	29°36	15°R31	15° 2	18° 9	n.a.	T 19
F 20	5 40 7	25°43'32	23°57	21°12	16°34	24°30	24° 8	13° 5	2°10	22°23	29°38	15°30	14°59	18°16	n.a.	F 20
S 21	5 44 4	26°44'41	5♑46	22°50	17°47	25°14	24° 2	13° 1	2°13	22°22	29°40	15°30	14°55	18°23	n.a.	S 21
S 22	5 48 0	27°45'49	17°39	24°29	18°59	25°59	23°55	12°56	2°15	22°21	29°42	15°28	14°52	18°29	n.a.	S 22
M23	5 51 57	28°46'56	29°37	26° 9	20°12	26°43	23°49	12°52	2°18	22°21	29°44	15°26	14°49	18°36	n.a.	M23
T 24	5 55 53	29°48'02	11♒44	27°49	21°24	27°27	23°42	12°47	2°20	22°20	29°46	15°24	14°46	18°43	n.a.	T 24
W25	5 59 50	0♑49'07	24° 2	29°30	22°37	28°11	23°35	12°42	2°23	22°19	29°48	15°22	14°43	18°49	n.a.	W25
T 26	6 3 46	1°50'10	6♓33	1♑11	23°50	28°56	23°28	12°37	2°25	22°18	29°50	15°20	14°40	18°56	n.a.	T 26
F 27	6 7 43	2°51'13	19°20	2°53	25° 2	29°40	23°21	12°33	2°27	22°17	29°52	15°19	14°36	19° 3	n.a.	F 27
S 28	6 11 40	3°52'14	2♈27	4°36	26°15	0♐25	23°14	12°28	2°30	22°16	29°54	15°D18	14°33	19° 9	n.a.	S 28
S 29	6 15 36	4°53'13	15°55	6°19	27°28	1° 9	23° 7	12°23	2°32	22°15	29°56	15°18	14°30	19°16	n.a.	S 29
M30	6 19 33	5°54'11	29°48	8° 3	28°41	1°53	23° 0	12°18	2°34	22°14	29°58	15°19	14°27	19°23	n.a.	M30
T 31	6 23 29	6♑55'08	14♉ 5	9♑48	29♏54	2♐38	22♋53	12♋13	2♏36	22♌13	29♐59	15♐21	14♐24	19♐29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	21s37	7n18	4n56	18s12	0n10	7s 9	2n23	15s 1	0n10	22n 3	0n48	23n14	0n18	11s40	0n25	15n12	1n 5	26s24	2s41	22s55	22s58	22s58			n.a.
M 2	21 48	12 18	4 19	18 42	0 3	7 35	2 23	15 16	0 10	22 4	0 49	23 15	0 19	11 41	0 25	15 12	1 5	26 24	2 42	22 55	22 58	22 58			n.a.
T 3	21 58	16 45	3 24	19 11	0s 4	8 1	2 22	15 30	0 9	22 5	0 49	23 15	0 19	11 42	0 25	15 12	1 5	26 25	2 42	22 55	22 58	22 58			n.a.
W 4	22 7	20 15	2 14	19 40	0 11	8 28	2 22	15 44	0 8	22 6	0 49	23 16	0 19	11 43	0 25	15 12	1 5	26 25	2 42	22 55	22 57	22 58			n.a.
T 5	22 16	22 24	0 54	20 8	0 18	8 54	2 21	15 58	0 8	22 7	0 49	23 16	0 19	11 44	0 25	15 12	1 5	26 25	2 42	22 55	22 57	22 58			n.a.
F 6	22 25	22 54	0s31	20 35	0 24	9 20	2 21	16 12	0 7	22 8	0 50	23 17	0 19	11 45	0 25	15 12	1 5	26 25	2 42	22 55	22 57	22 57			n.a.
S 7	22 33	21 42	1 53	21 2	0 31	9 46	2 20	16 25	0 6	22 9	0 50	23 17	0 19	11 46	0 25	15 12	1 5	26 25	2 42	22 55	22 56	22 57			n.a.
S 8	22 41	18 59	3 6	21 27	0 37	10 11	2 19	16 39	0 6	22 10	0 50	23 18	0 19	11 47	0 25	15 12	1 5	26 25	2 42	22 55	22 56	22 57			n.a.
M 9	22 48	15 7	4 5	21 51	0 44	10 37	2 18	16 52	0 5	22 11	0 50	23 19	0 19	11 48	0 25	15 13	1 6	26 25	2 42	22 55	22 56	22 57			n.a.
T 10	22 55	10 30	4 47	22 15	0 50	11 2	2 17	17 5	0 4	22 12	0 50	23 19	0 20	11 49	0 25	15 13	1 6	26 25	2 42	22 55	22 55	22 57			n.a.
W11	23 2	5 30	5 11	22 37	0 56	11 27	2 16	17 18	0 4	22 13	0 51	23 20	0 20	11 50	0 25	15 13	1 6	26 25	2 42	22 55	22 55	22 56			n.a.
T 12	23 8	0 23	5 18	22 58	1 2	11 52	2 15	17 31	0 3	22 14	0 51	23 20	0 20	11 51	0 25	15 13	1 6	26 25	2 42	22 55	22 55	22 56			n.a.
F 13	23 13	4s35	5 9	23 19	1 7	12 17	2 13	17 44	0 2	22 15	0 51	23 21	0 20	11 52	0 25	15 13	1 6	26 25	2 42	22 55	22 54	22 56			n.a.
S 14	23 18	9 15	4 44	23 38	1 13	12 42	2 12	17 57	0 2	22 17	0 51	23 21	0 20	11 53	0 25	15 14	1 6	26 25	2 42	22 55	22 54	22 56			n.a.
S 15	23 23	13 26	4 7	23 56	1 18	13 6	2 10	18 9	0 1	22 18	0 52	23 22	0 20	11 54	0 25	15 14	1 6	26 25	2 42	22 55	22 53	22 55			n.a.
M16	23 27	17 1	3 20	24 12	1 23	13 30	2 9	18 22	0 0	22 19	0 52	23 22	0 20	11 55	0 25	15 14	1 6	26 26	2 42	22 55	22 53	22 55			n.a.
T 17	23 31	19 51	2 25	24 27	1 27	13 53	2 7	18 34	0s 0	22 20	0 52	23 23	0 20	11 56	0 25	15 14	1 6	26 26	2 43	22 55	22 53	22 55			n.a.
W18	23 34	21 49	1 23	24 41	1 32	14 17	2 5	18 46	0 1	22 22	0 52	23 24	0 21	11 57	0 25	15 15	1 6	26 26	2 43	22 55	22 52	22 55			n.a.
T 19	23 37	22 49	0 19	24 54	1 36	14 40	2 4	18 58	0 2	22 23	0 52	23 24	0 21	11 58	0 25	15 15	1 6	26 26	2 43	22 55	22 52	22 54			n.a.
F 20	23 39	22 48	0n47	25 5	1 40	15 3	2 2	19 10	0 3	22 24	0 53	23 25	0 21	11 59	0 25	15 15	1 6	26 26	2 43	22 55	22 52	22 54			n.a.
S 21	23 41	21 45	1 50	25 15	1 44	15 25	2 0	19 21	0 3	22 25	0 53	23 25	0 21	12 0	0 25	15 15	1 6	26 26	2 43	22 55	22 51	22 54			n.a.
S 22	23 42	19 45	2 49	25 23	1 47	15 47	1 58	19 32	0 4	22 27	0 53	23 26	0 21	12 1	0 25	15 16	1 6	26 26	2 43	22 55	22 51	22 53			n.a.
M23	23 43	16 52	3 41	25 30	1 50	16 9	1 56	19 44	0 5	22 28	0 53	23 26	0 21	12 2	0 25	15 16	1 6	26 26	2 43	22 55	22 51	22 53			n.a.
T 24	23 43	13 15	4 24	25 35	1 53	16 30	1 53	19 55	0 5	22 29	0 54	23 27	0 21	12 2	0 25	15 16	1 6	26 26	2 43	22 55	22 50	22 53			n.a.
W25	23 43	9 2	4 55	25 39	1 55	16 51	1 51	20 5	0 6	22 31	0 54	23 28	0 21	12 3	0 25	15 17	1 6	26 26	2 43	22 54	22 50	22 52			n.a.
T 26	23 42	4 22	5 13	25 40	1 58	17 11	1 49	20 16	0 7	22 32	0 54	23 28	0 22	12 4	0 25	15 17	1 6	26 26	2 43	22 54	22 50	22 52			n.a.
F 27	23 41	0n34	5 16	25 40	1 59	17 32	1 47	20 26	0 8	22 34	0 54	23 29	0 22	12 5	0 25	15 17	1 6	26 26	2 43	22 54	22 49	22 52			n.a.
S 28	23 40	5 36	5 2	25 39	2 1	17 51	1 44	20 37	0 8	22 35	0 54	23 29	0 22	12 6	0 25	15 18	1 6	26 27	2 43	22 54	22 49	22 51			n.a.
S 29	23 38	10 31	4 32	25 35	2 1	18 10	1 42	20 47	0 9	22 36	0 54	23 30	0 22	12 6	0 25	15 18	1 6	26 27	2 43	22 54	22 48	22 51			n.a.
M30	23 35	15 3	3 46	25 30	2 2	18 29	1 39	20 57	0 10	22 38	0 55	23 30	0 22	12 7	0 25	15 18	1 6	26 27	2 44	22 54	22 48	22 51			n.a.
T 31	23s32	18n52	2n44	25s23	2s 2	18s47	1n37	21s 6	0s11	22n39	0n55	23n31	0n22	12s 8	0n25	15n19	1n 6	26s27	2s44	22s54	22s48	22s50			n.a.

Julian Day Number = 1646881.5, Delta T = 03h33m14s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'11, Lahiri = - 6°46'10 Julian Calendar 1 Dec. 205 BCE == Greg. Calendar 27 Nov. 205 BCE

The year -204 astronomical counting style corresponds to year 205 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

JANUARY 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 27 26	7♑56'04	28♉43	11♑33	1♐ 7	3♐22	22°R45	12°R 8	2♏38	22°R12	0♑ 2	15♐22	14♐21	19♐36	n.a.	W 1
T 2	6 31 22	8°56'58	13♊40	13°19	2°20	4° 7	22♋38	12♋ 4	2°40	22♌11	0° 4	15°R23	14°17	19°42	n.a.	T 2
F 3	6 35 19	9°57'51	28°49	15° 5	3°33	4°52	22°30	11°59	2°42	22°10	0° 6	15°22	14°14	19°49	n.a.	F 3
S 4	6 39 16	10°58'42	13♋59	16°52	4°46	5°36	22°22	11°54	2°44	22° 9	0° 8	15°20	14°11	19°56	n.a.	S 4
S 5	6 43 12	11°59'32	29° 2	18°39	5°59	6°21	22°15	11°49	2°46	22° 8	0° 9	15°17	14° 8	20° 2	n.a.	S 5
M 6	6 47 9	13° 0'21	13♌48	20°26	7°12	7° 6	22° 7	11°44	2°48	22° 6	0°11	15°13	14° 5	20° 9	n.a.	M 6
T 7	6 51 5	14° 1'08	28°11	22°14	8°25	7°50	21°59	11°39	2°50	22° 5	0°13	15° 9	14° 1	20°16	n.a.	T 7
W 8	6 55 2	15° 1'55	12♍ 7	24° 2	9°38	8°35	21°51	11°34	2°51	22° 4	0°15	15° 5	13°58	20°22	n.a.	W 8
T 9	6 58 58	16° 2'40	25°33	25°50	10°51	9°20	21°44	11°29	2°53	22° 3	0°17	15° 2	13°55	20°29	n.a.	T 9
F 10	7 2 55	17° 3'24	8♎33	27°38	12° 4	10° 5	21°36	11°24	2°55	22° 1	0°19	15° 0	13°52	20°36	n.a.	F 10
S 11	7 6 51	18° 4'06	21° 8	29°25	13°18	10°50	21°28	11°20	2°56	22° 0	0°21	15°D 0	13°49	20°42	n.a.	S 11
S 12	7 10 48	19° 4'48	3♏24	1♒12	14°31	11°34	21°20	11°15	2°58	21°59	0°23	15° 1	13°46	20°49	n.a.	S 12
M13	7 14 45	20° 5'28	15°25	2°58	15°44	12°19	21°12	11°10	2°59	21°57	0°25	15° 3	13°42	20°56	n.a.	M13
T 14	7 18 41	21° 6'07	27°17	4°42	16°58	13° 4	21° 4	11° 5	3° 1	21°56	0°26	15° 4	13°39	21° 2	n.a.	T 14
W15	7 22 38	22° 6'45	9♐ 3	6°25	18°11	13°49	20°56	11° 0	3° 2	21°55	0°28	15° 6	13°36	21° 9	n.a.	W15
T 16	7 26 34	23° 7'21	20°49	8° 7	19°24	14°34	20°48	10°56	3° 4	21°53	0°30	15°R 6	13°33	21°16	n.a.	T 16
F 17	7 30 31	24° 7'56	2♑38	9°45	20°38	15°19	20°40	10°51	3° 5	21°52	0°32	15° 4	13°30	21°22	n.a.	F 17
S 18	7 34 27	25° 8'29	14°32	11°21	21°51	16° 4	20°32	10°46	3° 6	21°51	0°34	15° 0	13°27	21°29	n.a.	S 18
S 19	7 38 24	26° 9'00	26°33	12°53	23° 4	16°49	20°24	10°42	3° 7	21°49	0°36	14°54	13°23	21°35	n.a.	S 19
M20	7 42 20	27° 9'30	8♒44	14°20	24°18	17°35	20°17	10°37	3° 8	21°48	0°37	14°47	13°20	21°42	n.a.	M20
T 21	7 46 17	28° 9'58	21° 5	15°43	25°31	18°20	20° 9	10°32	3° 9	21°46	0°39	14°39	13°17	21°49	n.a.	T 21
W22	7 50 14	29°10'24	3♓37	17° 1	26°45	19° 5	20° 1	10°28	3°11	21°45	0°41	14°30	13°14	21°55	n.a.	W22
T 23	7 54 10	0♒10'48	16°21	18°12	27°58	19°50	19°53	10°23	3°11	21°43	0°43	14°23	13°11	22° 2	n.a.	T 23
F 24	7 58 7	1°11'10	29°18	19°17	29°11	20°35	19°46	10°19	3°12	21°42	0°44	14°17	13° 7	22° 9	n.a.	F 24
S 25	8 2 3	2°11'30	12♈29	20°14	0♑25	21°20	19°38	10°15	3°13	21°40	0°46	14°13	13° 4	22°15	n.a.	S 25
S 26	8 6 0	3°11'47	25°55	21° 4	1°38	22° 6	19°30	10°10	3°14	21°39	0°48	14°11	13° 1	22°22	n.a.	S 26
M27	8 9 56	4°12'03	9♉38	21°44	2°52	22°51	19°23	10° 6	3°15	21°37	0°49	14°D11	12°58	22°29	n.a.	M27
T 28	8 13 53	5°12'16	23°39	22°16	4° 5	23°36	19°15	10° 2	3°16	21°35	0°51	14°12	12°55	22°35	n.a.	T 28
W29	8 17 49	6°12'28	7♊58	22°39	5°19	24°22	19° 8	9°58	3°16	21°34	0°53	14°R12	12°52	22°42	n.a.	W29
T 30	8 21 46	7°12'37	22°33	22°52	6°32	25° 7	19° 1	9°54	3°17	21°32	0°54	14°12	12°48	22°49	n.a.	T 30
F 31	8 25 43	8♒12'44	7♋19	22°R56	7♑46	25♐52	18♋54	9♋50	3♏17	21♌31	0♑56	14♐10	12♐45	22♐55	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23 s29	21n35	1n31	25 s14	2 s 2	19 s 5	1n34	21 s16	0 s11	22n41	0n55	23n32	0n22	12 s 8	0n25	15n19	1n 6	26 s27	2 s44	22 s54	22 s47	22 s50		n.a.
T 2	23 25	22 52	0 9	25 3	2 1	19 23	1 31	21 25	0 12	22 42	0 55	23 32	0 22	12 9	0 25	15 20	1 7	26 27	2 44	22 54	22 47	22 50		n.a.
F 3	23 20	22 29	1 s13	24 50	1 59	19 39	1 29	21 34	0 13	22 44	0 55	23 33	0 22	12 10	0 25	15 20	1 7	26 27	2 44	22 54	22 47	22 49		n.a.
S 4	23 16	20 28	2 31	24 35	1 57	19 56	1 26	21 43	0 14	22 45	0 56	23 33	0 23	12 10	0 25	15 20	1 7	26 27	2 44	22 54	22 46	22 49		n.a.
S 5	23 10	17 3	3 38	24 18	1 55	20 11	1 23	21 51	0 14	22 46	0 56	23 34	0 23	12 11	0 25	15 21	1 7	26 27	2 44	22 54	22 46	22 49		n.a.
M 6	23 5	12 36	4 28	23 59	1 52	20 27	1 20	22 0	0 15	22 48	0 56	23 34	0 23	12 12	0 25	15 21	1 7	26 27	2 44	22 53	22 45	22 48		n.a.
T 7	22 58	7 33	5 0	23 38	1 48	20 41	1 18	22 8	0 16	22 49	0 56	23 35	0 23	12 12	0 25	15 22	1 7	26 27	2 44	22 53	22 45	22 48		n.a.
W 8	22 52	2 17	5 13	23 15	1 44	20 55	1 15	22 16	0 17	22 51	0 56	23 35	0 23	12 13	0 25	15 22	1 7	26 28	2 44	22 52	22 45	22 47		n.a.
T 9	22 45	2 s55	5 9	22 50	1 39	21 9	1 12	22 24	0 17	22 52	0 56	23 36	0 23	12 14	0 25	15 23	1 7	26 28	2 45	22 52	22 44	22 47		n.a.
F 10	22 37	7 49	4 48	22 24	1 33	21 22	1 9	22 31	0 18	22 54	0 56	23 36	0 23	12 14	0 25	15 23	1 7	26 28	2 45	22 52	22 44	22 47		n.a.
S 11	22 29	12 15	4 14	21 55	1 27	21 34	1 6	22 39	0 19	22 55	0 57	23 37	0 23	12 15	0 25	15 23	1 7	26 28	2 45	22 52	22 43	22 46		n.a.
S 12	22 21	16 3	3 29	21 25	1 19	21 46	1 3	22 46	0 20	22 56	0 57	23 37	0 23	12 15	0 25	15 24	1 7	26 28	2 45	22 52	22 43	22 46		n.a.
M13	22 12	19 7	2 35	20 53	1 12	21 57	1 0	22 52	0 21	22 58	0 57	23 38	0 23	12 16	0 25	15 24	1 7	26 28	2 45	22 52	22 43	22 45		n.a.
T 14	22 2	21 20	1 36	20 20	1 3	22 7	0 57	22 59	0 21	22 59	0 57	23 39	0 24	12 16	0 25	15 25	1 7	26 28	2 45	22 52	22 42	22 45		n.a.
W15	21 53	22 37	0 33	19 45	0 54	22 17	0 54	23 5	0 22	23 0	0 57	23 39	0 24	12 17	0 25	15 25	1 7	26 28	2 45	22 52	22 42	22 45		n.a.
T 16	21 43	22 53	0n31	19 9	0 43	22 27	0 51	23 12	0 23	23 2	0 57	23 40	0 24	12 17	0 25	15 26	1 7	26 28	2 45	22 52	22 42	22 44		n.a.
F 17	21 32	22 7	1 34	18 32	0 32	22 35	0 48	23 18	0 24	23 3	0 57	23 40	0 24	12 17	0 25	15 26	1 7	26 29	2 45	22 52	22 41	22 44		n.a.
S 18	21 21	20 23	2 33	17 54	0 21	22 43	0 45	23 23	0 24	23 4	0 57	23 40	0 24	12 18	0 25	15 27	1 7	26 29	2 46	22 52	22 41	22 43		n.a.
S 19	21 10	17 43	3 26	17 16	0 8	22 50	0 42	23 29	0 25	23 6	0 58	23 41	0 24	12 18	0 25	15 27	1 7	26 29	2 46	22 51	22 40	22 43		n.a.
M20	20 58	14 16	4 10	16 38	0n 5	22 57	0 39	23 34	0 26	23 7	0 58	23 41	0 24	12 19	0 25	15 28	1 7	26 29	2 46	22 50	22 40	22 42		n.a.
T 21	20 46	10 10	4 43	16 1	0 19	23 3	0 36	23 39	0 27	23 8	0 58	23 42	0 24	12 19	0 25	15 28	1 7	26 29	2 46	22 49	22 40	22 42		n.a.
W22	20 34	5 36	5 3	15 24	0 33	23 8	0 33	23 43	0 28	23 10	0 58	23 42	0 24	12 19	0 25	15 29	1 7	26 29	2 46	22 48	22 39	22 41		n.a.
T 23	20 21	0 43	5 8	14 47	0 48	23 12	0 30	23 48	0 28	23 11	0 58	23 43	0 24	12 20	0 25	15 29	1 7	26 29	2 46	22 48	22 39	22 41		n.a.
F 24	20 8	4n16	4 58	14 13	1 3	23 16	0 27	23 52	0 29	23 12	0 58	23 43	0 25	12 20	0 25	15 30	1 7	26 29	2 46	22 47	22 38	22 41		n.a.
S 25	19 54	9 9	4 32	13 40	1 19	23 19	0 24	23 56	0 30	23 13	0 58	23 44	0 25	12 20	0 25	15 30	1 7	26 29	2 46	22 46	22 38	22 40		n.a.
S 26	19 40	13 42	3 51	13 9	1 34	23 22	0 21	24 0	0 31	23 14	0 58	23 44	0 25	12 21	0 25	15 31	1 7	26 30	2 47	22 46	22 38	22 40		n.a.
M27	19 26	17 38	2 55	12 41	1 50	23 24	0 18	24 3	0 32	23 16	0 58	23 45	0 25	12 21	0 25	15 31	1 7	26 30	2 47	22 46	22 37	22 39		n.a.
T 28	19 11	20 39	1 48	12 16	2 5	23 25	0 15	24 6	0 32	23 17	0 58	23 45	0 25	12 21	0 25	15 32	1 7	26 30	2 47	22 46	22 37	22 39		n.a.
W29	18 56	22 27	0 34	11 55	2 21	23 25	0 12	24 9	0 33	23 18	0 58	23 45	0 25	12 21	0 25	15 33	1 7	26 30	2 47	22 46	22 36	22 38		n.a.
T 30	18 41	22 46	0 s45	11 37	2 35	23 25	0 9	24 12	0 34	23 19	0 58	23 46	0 25	12 21	0 25	15 33	1 7	26 30	2 47	22 46	22 36	22 38		n.a.
F 31	18 s25	21n30	2 s 1	11 s22	2n49	23 s24	0n 6	24 s14	0 s35	23n20	0n58	23n46	0n25	12 s22	0n25	15n34	1n 7	26 s30	2 s47	22 s46	22 s36	22 s37		n.a.

Julian Day Number = 1646912.5, Delta T = 03h33m13s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'07, Lahiri = - 6°46'06 Julian Calendar 1 Jan. 204 BCE == Greg. Calendar 28 Dec. 205 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

FEBRUARY 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 29 39	9♒12'49	22♋11	22°R50	8♑59	26♐38	18°R47	9°R46	3♏18	21°R29	0♑58	14°R 6	12♐42	23♐ 2	n.a.	S 1
S 2	8 33 36	10°12'51	7♌ 2	22♒35	10°13	27°23	18♋40	9♋42	3°18	21♌27	0°59	13♐59	12°39	23° 9	n.a.	S 2
M 3	8 37 32	11°12'52	21°42	22°11	11°26	28° 8	18°33	9°38	3°19	21°26	1° 1	13°50	12°36	23°15	n.a.	M 3
T 4	8 41 29	12°12'51	6♍ 5	21°39	12°40	28°54	18°26	9°34	3°19	21°24	1° 2	13°40	12°32	23°22	n.a.	T 4
W 5	8 45 25	13°12'47	20° 4	21° 0	13°53	29°39	18°19	9°31	3°19	21°23	1° 4	13°31	12°29	23°28	n.a.	W 5
T 6	8 49 22	14°12'42	3♎36	20°14	15° 7	0♑25	18°13	9°27	3°19	21°21	1° 5	13°23	12°26	23°35	n.a.	T 6
F 7	8 53 18	15°12'35	16°41	19°23	16°20	1°10	18° 6	9°23	3°20	21°19	1° 7	13°17	12°23	23°42	n.a.	F 7
S 8	8 57 15	16°12'26	29°21	18°29	17°34	1°56	18° 0	9°20	3°20	21°18	1° 8	13°13	12°20	23°48	n.a.	S 8
S 9	9 1 12	17°12'16	11♏40	17°31	18°47	2°41	17°54	9°17	3°20	21°16	1°10	13°12	12°17	23°55	n.a.	S 9
M10	9 5 8	18°12'04	23°43	16°33	20° 1	3°27	17°48	9°13	3°R20	21°14	1°11	13°D12	12°13	24° 2	n.a.	M10
T 11	9 9 5	19°11'50	5♐35	15°35	21°15	4°13	17°42	9°10	3°20	21°13	1°13	13°12	12°10	24° 8	n.a.	T 11
W12	9 13 1	20°11'34	17°22	14°37	22°28	4°58	17°36	9° 7	3°20	21°11	1°14	13°R12	12° 7	24°15	n.a.	W12
T 13	9 16 58	21°11'16	29° 9	13°43	23°42	5°44	17°31	9° 4	3°19	21° 9	1°16	13°11	12° 4	24°22	n.a.	T 13
F 14	9 20 54	22°10'56	11♑ 0	12°51	24°55	6°29	17°25	9° 1	3°19	21° 8	1°17	13° 7	12° 1	24°28	n.a.	F 14
S 15	9 24 51	23°10'35	23° 0	12° 4	26° 9	7°15	17°20	8°58	3°19	21° 6	1°18	13° 1	11°58	24°35	n.a.	S 15
S 16	9 28 47	24°10'11	5♒11	11°22	27°22	8° 1	17°15	8°56	3°19	21° 4	1°20	12°52	11°54	24°42	n.a.	S 16
M17	9 32 44	25° 9'45	17°36	10°45	28°36	8°46	17°10	8°53	3°18	21° 3	1°21	12°41	11°51	24°48	n.a.	M17
T 18	9 36 40	26° 9'17	0♓14	10°14	29°50	9°32	17° 5	8°51	3°18	21° 1	1°22	12°28	11°48	24°55	n.a.	T 18
W19	9 40 37	27° 8'47	13° 5	9°50	1♒ 3	10°18	17° 0	8°48	3°17	20°59	1°24	12°15	11°45	25° 2	n.a.	W19
T 20	9 44 34	28° 8'15	26°10	9°31	2°17	11° 3	16°56	8°46	3°17	20°58	1°25	12° 3	11°42	25° 8	n.a.	T 20
F 21	9 48 30	29° 7'40	9♈26	9°18	3°30	11°49	16°51	8°43	3°16	20°56	1°26	11°53	11°38	25°15	n.a.	F 21
S 22	9 52 27	0♓ 7'03	22°53	9°11	4°44	12°35	16°47	8°41	3°16	20°54	1°27	11°46	11°35	25°22	n.a.	S 22
S 23	9 56 23	1° 6'24	6♉30	9°D10	5°58	13°20	16°43	8°39	3°15	20°53	1°28	11°41	11°32	25°28	n.a.	S 23
M24	10 0 20	2° 5'43	20°17	9°15	7°11	14° 6	16°39	8°37	3°14	20°51	1°29	11°40	11°29	25°35	n.a.	M24
T 25	10 4 16	3° 4'59	4♊13	9°26	8°25	14°52	16°36	8°35	3°13	20°49	1°31	11°39	11°26	25°41	n.a.	T 25
W26	10 8 13	4° 4'12	18°20	9°41	9°38	15°38	16°32	8°34	3°13	20°48	1°32	11°39	11°23	25°48	n.a.	W26
T 27	10 12 9	5° 3'23	2♋35	10° 2	10°52	16°23	16°29	8°32	3°12	20°46	1°33	11°38	11°19	25°55	n.a.	T 27
F 28	10 16 6	6♓ 2'32	16♋58	10♒27	12♒ 5	17♑ 9	16♋26	8♋31	3♏11	20♌45	1♑34	11♐35	11♐16	26♐ 1	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s10	18n45	3s 9	11s12	3n 2	23s22	0n 3	24s16	0s36	23n21	0n58	23n46	0n25	12s22	0n25	15n34	1n 7	26s30	2s47	22s46	22s35	22s37		n.a.
S 2	17 53	14 47	4 5	11 6	3 14	23 20	0s 0	24 18	0 36	23 22	0 59	23 47	0 25	12 22	0 25	15 35	1 7	26 30	2 47	22 45	22 35	22 36		n.a.
M 3	17 37	9 58	4 43	11 4	3 24	23 16	0 3	24 20	0 37	23 23	0 59	23 47	0 25	12 22	0 25	15 35	1 7	26 30	2 48	22 44	22 34	22 36		n.a.
T 4	17 20	4 42	5 2	11 6	3 33	23 13	0 6	24 21	0 38	23 24	0 59	23 48	0 25	12 22	0 25	15 36	1 7	26 31	2 48	22 42	22 34	22 35		n.a.
W 5	17 3	0s39	5 3	11 11	3 40	23 8	0 9	24 22	0 39	23 25	0 59	23 48	0 26	12 22	0 25	15 36	1 7	26 31	2 48	22 41	22 33	22 34		n.a.
T 6	16 45	5 49	4 47	11 21	3 45	23 3	0 12	24 23	0 40	23 26	0 59	23 48	0 26	12 22	0 25	15 37	1 8	26 31	2 48	22 40	22 33	22 34		n.a.
F 7	16 28	10 33	4 15	11 34	3 49	22 57	0 15	24 23	0 41	23 27	0 59	23 49	0 26	12 22	0 25	15 37	1 8	26 31	2 48	22 40	22 33	22 33		n.a.
S 8	16 10	14 40	3 32	11 50	3 50	22 50	0 17	24 24	0 41	23 28	0 59	23 49	0 26	12 22	0 25	15 38	1 8	26 31	2 48	22 39	22 32	22 33		n.a.
S 9	15 52	18 3	2 40	12 8	3 49	22 43	0 20	24 24	0 42	23 29	0 59	23 49	0 26	12 22	0 25	15 39	1 8	26 31	2 48	22 39	22 32	22 32		n.a.
M10	15 33	20 34	1 42	12 28	3 46	22 35	0 23	24 23	0 43	23 29	0 59	23 50	0 26	12 22	0 25	15 39	1 8	26 31	2 49	22 39	22 31	22 32		n.a.
T 11	15 14	22 9	0 41	12 50	3 41	22 26	0 25	24 23	0 44	23 30	0 59	23 50	0 26	12 22	0 25	15 40	1 8	26 31	2 49	22 39	22 31	22 31		n.a.
W12	14 55	22 45	0n22	13 13	3 34	22 17	0 28	24 22	0 45	23 31	0 59	23 50	0 26	12 22	0 25	15 40	1 8	26 32	2 49	22 39	22 31	22 31		n.a.
T 13	14 36	22 19	1 24	13 37	3 26	22 7	0 31	24 21	0 45	23 32	0 59	23 50	0 26	12 22	0 25	15 41	1 8	26 32	2 49	22 39	22 30	22 30		n.a.
F 14	14 17	20 54	2 22	14 1	3 16	21 56	0 33	24 20	0 46	23 32	0 59	23 51	0 26	12 22	0 25	15 41	1 8	26 32	2 49	22 38	22 30	22 29		n.a.
S 15	13 57	18 32	3 15	14 25	3 5	21 45	0 36	24 18	0 47	23 33	0 59	23 51	0 26	12 22	0 25	15 42	1 8	26 32	2 49	22 38	22 29	22 29		n.a.
S 16	13 37	15 19	3 59	14 48	2 53	21 33	0 38	24 16	0 48	23 34	0 59	23 51	0 26	12 22	0 25	15 42	1 8	26 32	2 49	22 36	22 29	22 28		n.a.
M17	13 17	11 24	4 33	15 11	2 40	21 21	0 41	24 14	0 49	23 34	0 59	23 51	0 26	12 22	0 26	15 43	1 8	26 32	2 50	22 35	22 28	22 28		n.a.
T 18	12 57	6 56	4 55	15 32	2 26	21 7	0 43	24 12	0 50	23 35	0 59	23 52	0 26	12 22	0 26	15 44	1 8	26 32	2 50	22 33	22 28	22 27		n.a.
W19	12 36	2 5	5 1	15 53	2 12	20 54	0 45	24 9	0 50	23 36	0 59	23 52	0 27	12 21	0 26	15 44	1 8	26 33	2 50	22 32	22 28	22 26		n.a.
T 20	12 16	2n55	4 52	16 12	1 58	20 39	0 48	24 6	0 51	23 36	0 59	23 52	0 27	12 21	0 26	15 45	1 8	26 33	2 50	22 30	22 27	22 26		n.a.
F 21	11 55	7 52	4 28	16 29	1 43	20 24	0 50	24 3	0 52	23 37	0 59	23 52	0 27	12 21	0 26	15 45	1 8	26 33	2 50	22 29	22 27	22 25		n.a.
S 22	11 34	12 31	3 48	16 45	1 28	20 9	0 52	24 0	0 53	23 37	0 59	23 53	0 27	12 21	0 26	15 46	1 8	26 33	2 50	22 28	22 26	22 25		n.a.
S 23	11 12	16 35	2 55	16 59	1 14	19 53	0 54	23 56	0 54	23 38	0 59	23 53	0 27	12 20	0 26	15 46	1 8	26 33	2 50	22 27	22 26	22 24		n.a.
M24	10 51	19 48	1 51	17 12	0 59	19 36	0 56	23 52	0 54	23 38	0 59	23 53	0 27	12 20	0 26	15 47	1 8	26 33	2 51	22 27	22 25	22 23		n.a.
T 25	10 30	21 53	0 39	17 22	0 45	19 19	0 58	23 48	0 55	23 39	0 59	23 53	0 27	12 20	0 26	15 47	1 8	26 33	2 51	22 27	22 25	22 23		n.a.
W26	10 8	22 37	0s35	17 31	0 32	19 1	1 0	23 43	0 56	23 39	0 59	23 53	0 27	12 20	0 26	15 48	1 8	26 34	2 51	22 27	22 24	22 22		n.a.
T 27	9 46	21 53	1 48	17 39	0 18	18 42	1 2	23 38	0 57	23 39	0 58	23 53	0 27	12 19	0 26	15 48	1 8	26 34	2 51	22 27	22 24	22 21		n.a.
F 28	9s24	19n44	2s55	17s44	0n 5	18s23	1s 4	23s33	0s58	23n40	0n58	23n54	0n27	12s19	0n26	15n49	1n 8	26s34	2s51	22s26	22s24	22s21		n.a.

Julian Day Number = 1646943.5, Delta T = 03h33m12s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°53'02, Lahiri = - 6°46'02 Julian Calendar 1 Feb. 204 BCE == Greg. Calendar 28 Jan. 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

MARCH 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 20 3	7♓ 1'38	1♌25	10♒57	13♒19	17♉55	16°R23	8°R29	3°R10	20°R43	1♉35	11°R29	11♐13	26♐ 8	n.a.	S 1
S 2	10 23 59	8° 0'42	15°50	11°31	14°33	18°40	16♋20	8♋28	3♏ 9	20♌42	1°36	11♐20	11°10	26°15	n.a.	S 2
M 3	10 27 56	8°59'43	0♍ 9	12° 9	15°46	19°26	16°18	8°27	3° 8	20°40	1°37	11° 9	11° 7	26°21	n.a.	M 3
T 4	10 31 52	9°58'42	14°15	12°52	17° 0	20°12	16°15	8°26	3° 7	20°38	1°38	10°57	11° 4	26°28	n.a.	T 4
W 5	10 35 49	10°57'40	28° 3	13°37	18°13	20°58	16°13	8°25	3° 6	20°37	1°39	10°45	11° 0	26°35	n.a.	W 5
T 6	10 39 45	11°56'35	11♎29	14°26	19°27	21°43	16°11	8°24	3° 4	20°35	1°39	10°34	10°57	26°41	n.a.	T 6
F 7	10 43 42	12°55'28	24°31	15°19	20°40	22°29	16° 9	8°23	3° 3	20°34	1°40	10°25	10°54	26°48	n.a.	F 7
S 8	10 47 38	13°54'19	7♏12	16°14	21°54	23°15	16° 8	8°22	3° 2	20°32	1°41	10°19	10°51	26°55	n.a.	S 8
S 9	10 51 35	14°53'08	19°32	17°13	23° 8	24° 1	16° 6	8°22	3° 0	20°31	1°42	10°16	10°48	27° 1	n.a.	S 9
M10	10 55 31	15°51'56	1♐37	18°14	24°21	24°46	16° 5	8°21	2°59	20°29	1°43	10°15	10°44	27° 8	n.a.	M10
T 11	10 59 28	16°50'42	13°31	19°18	25°35	25°32	16° 4	8°21	2°58	20°28	1°44	10°15	10°41	27°15	n.a.	T 11
W12	11 3 25	17°49'26	25°20	20°24	26°48	26°18	16° 3	8°20	2°56	20°26	1°44	10°15	10°38	27°21	n.a.	W12
T 13	11 7 21	18°48'08	7♑ 9	21°33	28° 2	27° 4	16° 2	8°20	2°55	20°25	1°45	10°13	10°35	27°28	n.a.	T 13
F 14	11 11 18	19°46'48	19° 3	22°44	29°15	27°49	16° 2	8°D20	2°53	20°24	1°46	10°10	10°32	27°35	n.a.	F 14
S 15	11 15 14	20°45'27	1♒ 7	23°58	0♓29	28°35	16° 1	8°20	2°51	20°22	1°46	10° 5	10°29	27°41	n.a.	S 15
S 16	11 19 11	21°44'03	13°26	25°13	1°43	29°21	16°D 1	8°21	2°50	20°21	1°47	9°56	10°25	27°48	n.a.	S 16
M17	11 23 7	22°42'38	26° 1	26°31	2°56	0♒ 7	16° 1	8°21	2°48	20°19	1°47	9°46	10°22	27°54	n.a.	M17
T 18	11 27 4	23°41'11	8♓54	27°51	4°10	0°52	16° 1	8°21	2°46	20°18	1°48	9°34	10°19	28° 1	n.a.	T 18
W19	11 31 0	24°39'42	22° 5	29°13	5°23	1°38	16° 2	8°22	2°45	20°17	1°49	9°21	10°16	28° 8	n.a.	W19
T 20	11 34 57	25°38'10	5♈32	0♓36	6°37	2°24	16° 2	8°22	2°43	20°16	1°49	9°10	10°13	28°14	n.a.	T 20
F 21	11 38 54	26°36'37	19°13	2° 2	7°50	3° 9	16° 3	8°23	2°41	20°14	1°50	9° 0	10° 9	28°21	n.a.	F 21
S 22	11 42 50	27°35'02	3♉ 4	3°29	9° 4	3°55	16° 4	8°24	2°39	20°13	1°50	8°53	10° 6	28°28	n.a.	S 22
S 23	11 46 47	28°33'25	17° 2	4°59	10°17	4°41	16° 5	8°25	2°37	20°12	1°50	8°49	10° 3	28°34	n.a.	S 23
M24	11 50 43	29°31'45	1♊ 4	6°30	11°31	5°26	16° 7	8°26	2°35	20°11	1°51	8°47	10° 0	28°41	n.a.	M24
T 25	11 54 40	0♈30'04	15°10	8° 3	12°45	6°12	16° 8	8°27	2°33	20° 9	1°51	8°D47	9°57	28°48	n.a.	T 25
W26	11 58 36	1°28'20	29°17	9°38	13°58	6°57	16°10	8°28	2°31	20° 8	1°52	8°R47	9°54	28°54	n.a.	W26
T 27	12 2 33	2°26'34	13♋25	11°15	15°12	7°43	16°12	8°30	2°29	20° 7	1°52	8°47	9°50	29° 1	n.a.	T 27
F 28	12 6 29	3°24'46	27°32	12°53	16°25	8°29	16°14	8°31	2°27	20° 6	1°52	8°45	9°47	29° 8	n.a.	F 28
S 29	12 10 26	4°22'56	11♌36	14°33	17°39	9°14	16°16	8°33	2°25	20° 5	1°52	8°40	9°44	29°14	n.a.	S 29
S 30	12 14 22	5°21'03	25°36	16°15	18°52	10° 0	16°19	8°34	2°23	20° 4	1°53	8°33	9°41	29°21	n.a.	S 30
M31	12 18 19	6♈19'09	9♍28	17♓59	20♓ 6	10♒45	16♋21	8♋36	2♏21	20♌ 3	1♉53	8♐24	9♐38	29♐28	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	9s 2	16n20	3s51	17s48	0s 7	18s 4	1s 6	23s28	0s58	23n40	0n58	23n54	0n27	12s19	0n26	15n49	1n 8	26s34	2s51	22s25	22s23	22s20		n.a.	S 1
S 2	8 40	11 57	4 32	17 50	0 19	17 44	1 8	23 23	0 59	23 40	0 58	23 54	0 27	12 18	0 26	15 50	1 8	26 34	2 52	22 24	22 23	22 19		n.a.	S 2
M 3	8 17	6 57	4 55	17 51	0 31	17 24	1 9	23 17	1 0	23 41	0 58	23 54	0 27	12 18	0 26	15 50	1 8	26 34	2 52	22 23	22 22	22 19		n.a.	M 3
T 4	7 55	1 40	5 0	17 49	0 42	17 3	1 11	23 11	1 1	23 41	0 58	23 54	0 27	12 18	0 26	15 51	1 8	26 34	2 52	22 21	22 22	22 18		n.a.	T 4
W 5	7 32	3s36	4 47	17 46	0 53	16 41	1 12	23 5	1 2	23 41	0 58	23 54	0 27	12 17	0 26	15 51	1 8	26 35	2 52	22 19	22 21	22 17		n.a.	W 5
T 6	7 10	8 33	4 18	17 41	1 3	16 20	1 14	22 58	1 2	23 41	0 58	23 54	0 27	12 17	0 26	15 52	1 8	26 35	2 52	22 18	22 21	22 17		n.a.	T 6
F 7	6 47	12 58	3 37	17 35	1 12	15 57	1 15	22 52	1 3	23 41	0 58	23 54	0 28	12 16	0 26	15 52	1 8	26 35	2 52	22 16	22 20	22 16		n.a.	F 7
S 8	6 24	16 40	2 45	17 27	1 21	15 35	1 17	22 45	1 4	23 42	0 58	23 55	0 28	12 16	0 26	15 53	1 8	26 35	2 53	22 15	22 20	22 15		n.a.	S 8
S 9	6 1	19 33	1 47	17 17	1 30	15 12	1 18	22 37	1 5	23 42	0 58	23 55	0 28	12 15	0 26	15 53	1 8	26 35	2 53	22 15	22 20	22 15		n.a.	S 9
M10	5 38	21 28	0 46	17 5	1 37	14 48	1 19	22 30	1 6	23 42	0 58	23 55	0 28	12 15	0 26	15 54	1 8	26 35	2 53	22 15	22 19	22 14		n.a.	M10
T 11	5 15	22 24	0n17	16 52	1 45	14 24	1 20	22 22	1 6	23 42	0 58	23 55	0 28	12 14	0 26	15 54	1 8	26 35	2 53	22 15	22 19	22 13		n.a.	T 11
W12	4 52	22 19	1 19	16 37	1 52	14 0	1 21	22 14	1 7	23 42	0 58	23 55	0 28	12 14	0 26	15 55	1 8	26 36	2 53	22 15	22 18	22 13		n.a.	W12
T 13	4 29	21 14	2 18	16 21	1 58	13 35	1 22	22 6	1 8	23 42	0 58	23 55	0 28	12 13	0 26	15 55	1 8	26 36	2 53	22 15	22 18	22 12		n.a.	T 13
F 14	4 6	19 12	3 10	16 3	2 4	13 10	1 23	21 58	1 9	23 42	0 58	23 55	0 28	12 13	0 26	15 56	1 8	26 36	2 54	22 14	22 17	22 11		n.a.	F 14
S 15	3 42	16 19	3 55	15 43	2 9	12 45	1 24	21 49	1 10	23 42	0 58	23 55	0 28	12 12	0 26	15 56	1 8	26 36	2 54	22 13	22 17	22 10		n.a.	S 15
S 16	3 19	12 40	4 30	15 21	2 14	12 19	1 25	21 40	1 10	23 42	0 58	23 55	0 28	12 12	0 26	15 56	1 8	26 36	2 54	22 12	22 16	22 10		n.a.	S 16
M17	2 56	8 24	4 53	14 59	2 18	11 53	1 26	21 31	1 11	23 42	0 57	23 55	0 28	12 11	0 26	15 57	1 8	26 36	2 54	22 10	22 16	22 9		n.a.	M17
T 18	2 32	3 40	5 1	14 34	2 21	11 26	1 27	21 22	1 12	23 42	0 57	23 55	0 28	12 10	0 26	15 57	1 8	26 37	2 54	22 9	22 15	22 8		n.a.	T 18
W19	2 9	1n19	4 54	14 8	2 24	11 0	1 27	21 12	1 13	23 42	0 57	23 55	0 28	12 10	0 26	15 58	1 8	26 37	2 54	22 7	22 15	22 7		n.a.	W19
T 20	1 45	6 21	4 30	13 40	2 27	10 33	1 28	21 3	1 13	23 41	0 57	23 55	0 28	12 9	0 26	15 58	1 8	26 37	2 55	22 5	22 14	22 7		n.a.	T 20
F 21	1 22	11 10	3 51	13 11	2 29	10 5	1 28	20 53	1 14	23 41	0 57	23 55	0 28	12 9	0 26	15 59	1 8	26 37	2 55	22 3	22 14	22 6		n.a.	F 21
S 22	0 58	15 27	2 58	12 40	2 30	9 38	1 29	20 43	1 15	23 41	0 57	23 55	0 28	12 8	0 26	15 59	1 8	26 37	2 55	22 2	22 14	22 5		n.a.	S 22
S 23	0 35	18 55	1 53	12 8	2 31	9 10	1 29	20 32	1 16	23 41	0 57	23 55	0 28	12 7	0 26	15 59	1 8	26 37	2 55	22 2	22 13	22 4		n.a.	S 23
M24	0 11	21 17	0 41	11 34	2 31	8 42	1 30	20 22	1 16	23 41	0 57	23 55	0 28	12 7	0 26	16 0	1 8	26 38	2 55	22 1	22 13	22 4		n.a.	M24
T 25	0n12	22 19	0s34	10 59	2 31	8 14	1 30	20 11	1 17	23 40	0 57	23 55	0 28	12 6	0 26	16 0	1 8	26 38	2 55	22 1	22 12	22 3		n.a.	T 25
W26	0 36	21 56	1 47	10 22	2 31	7 46	1 30	20 0	1 18	23 40	0 57	23 55	0 28	12 5	0 26	16 0	1 7	26 38	2 56	22 1	22 12	22 2		n.a.	W26
T 27	0 59	20 10	2 53	9 44	2 29	7 17	1 30	19 49	1 19	23 40	0 57	23 55	0 29	12 4	0 26	16 1	1 7	26 38	2 56	22 1	22 11	22 1		n.a.	T 27
F 28	1 22	17 9	3 49	9 4	2 27	6 48	1 30	19 38	1 19	23 39	0 57	23 55	0 29	12 4	0 26	16 1	1 7	26 38	2 56	22 1	22 11	22 0		n.a.	F 28
S 29	1 46	13 10	4 31	8 23	2 25	6 19	1 30	19 26	1 20	23 39	0 57	23 55	0 29	12 3	0 26	16 1	1 7	26 38	2 56	22 0	22 10	22 0		n.a.	S 29
S 30	2 9	8 29	4 56	7 40	2 22	5 50	1 30	19 15	1 21	23 39	0 57	23 55	0 29	12 2	0 26	16 2	1 7	26 39	2 56	21 59	22 10	21 59		n.a.	S 30
M31	2n32	3n26	5s 4	6s56	2s19	5s20	1s30	19s 3	1s21	23n38	0n56	23n55	0n29	12s 2	0n26	16n 2	1n 7	26s39	2s56	21s58	22s 9	21s58		n.a.	M31

Julian Day Number = 1646971.5, Delta T = 03h33m11s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'59, Lahiri = - 6°45'58 Julian Calendar 1 March 204 BCE == Greg. Calendar 25 Feb. 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

APRIL 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 22 16	7♈17'12	23♍ 8	19♓44	21♓19	11♒30	16♋24	8♋38	2°R19	20°R 2	1♑53	8°R14	9♐35	29♐34	n.a.	T 1
W 2	12 26 12	8°15'14	6♎34	21°32	22°33	12°16	16°27	8°40	2♏17	20♌ 1	1°53	8♐ 4	9°31	29°41	n.a.	W 2
T 3	12 30 9	9°13'14	19°43	23°21	23°46	13° 1	16°30	8°42	2°15	20° 0	1°53	7°55	9°28	29°48	n.a.	T 3
F 4	12 34 5	10°11'12	2♏34	25°12	25° 0	13°47	16°33	8°44	2°12	19°59	1°53	7°48	9°25	29°54	n.a.	F 4
S 5	12 38 2	11° 9'09	15° 7	27° 4	26°13	14°32	16°37	8°47	2°10	19°58	1°53	7°43	9°22	0♑ 1	n.a.	S 5
S 6	12 41 58	12° 7'04	27°24	28°59	27°27	15°18	16°40	8°49	2° 8	19°57	1°R53	7°41	9°19	0° 8	n.a.	S 6
M 7	12 45 55	13° 4'58	9♐28	0♈55	28°40	16° 3	16°44	8°52	2° 5	19°56	1°53	7°D40	9°15	0°14	n.a.	M 7
T 8	12 49 51	14° 2'50	21°22	2°53	29°54	16°48	16°48	8°54	2° 3	19°55	1°53	7°41	9°12	0°21	n.a.	T 8
W 9	12 53 48	15° 0'41	3♑11	4°53	1♈ 7	17°33	16°52	8°57	2° 1	19°54	1°53	7°42	9° 9	0°27	n.a.	W 9
T 10	12 57 45	15°58'31	15° 1	6°55	2°21	18°19	16°57	9° 0	1°58	19°54	1°53	7°R42	9° 6	0°34	n.a.	T 10
F 11	13 1 41	16°56'19	26°57	8°58	3°34	19° 4	17° 1	9° 2	1°56	19°53	1°53	7°42	9° 3	0°41	n.a.	F 11
S 12	13 5 38	17°54'06	9♒ 4	11° 3	4°48	19°49	17° 6	9° 5	1°54	19°52	1°53	7°39	9° 0	0°47	n.a.	S 12
S 13	13 9 34	18°51'52	21°25	13° 9	6° 1	20°34	17°10	9° 9	1°51	19°52	1°53	7°35	8°56	0°54	n.a.	S 13
M14	13 13 31	19°49'36	4♓ 6	15°16	7°15	21°19	17°15	9°12	1°49	19°51	1°53	7°29	8°53	1° 1	n.a.	M14
T 15	13 17 27	20°47'19	17° 8	17°25	8°28	22° 4	17°20	9°15	1°46	19°50	1°52	7°22	8°50	1° 7	n.a.	T 15
W16	13 21 24	21°45'01	0♈32	19°34	9°42	22°50	17°26	9°18	1°44	19°50	1°52	7°14	8°47	1°14	n.a.	W16
T 17	13 25 20	22°42'42	14°17	21°45	10°56	23°35	17°31	9°22	1°42	19°49	1°52	7° 7	8°44	1°21	n.a.	T 17
F 18	13 29 17	23°40'21	28°19	23°55	12° 9	24°20	17°37	9°25	1°39	19°49	1°52	7° 1	8°40	1°27	n.a.	F 18
S 19	13 33 14	24°37'59	12♉35	26° 7	13°23	25° 4	17°42	9°29	1°37	19°48	1°51	6°57	8°37	1°34	n.a.	S 19
S 20	13 37 10	25°35'35	26°59	28°18	14°36	25°49	17°48	9°33	1°34	19°48	1°51	6°55	8°34	1°41	n.a.	S 20
M21	13 41 7	26°33'10	11♊25	0♉29	15°50	26°34	17°54	9°36	1°32	19°47	1°50	6°D54	8°31	1°47	n.a.	M21
T 22	13 45 3	27°30'44	25°50	2°39	17° 3	27°19	18° 0	9°40	1°29	19°47	1°50	6°55	8°28	1°54	n.a.	T 22
W23	13 49 0	28°28'16	10♋10	4°49	18°17	28° 4	18° 7	9°44	1°27	19°46	1°50	6°57	8°25	2° 1	n.a.	W23
T 24	13 52 56	29°25'46	24°22	6°57	19°30	28°48	18°13	9°48	1°24	19°46	1°49	6°R58	8°21	2° 7	n.a.	T 24
F 25	13 56 53	0♉23'15	8♌25	9° 5	20°44	29°33	18°19	9°53	1°22	19°46	1°49	6°57	8°18	2°14	n.a.	F 25
S 26	14 0 49	1°20'42	22°17	11°10	21°57	0♓18	18°26	9°57	1°19	19°45	1°48	6°56	8°15	2°21	n.a.	S 26
S 27	14 4 46	2°18'08	5♍58	13°14	23°11	1° 2	18°33	10° 1	1°17	19°45	1°48	6°53	8°12	2°27	n.a.	S 27
M28	14 8 43	3°15'33	19°27	15°16	24°24	1°47	18°40	10° 5	1°14	19°45	1°47	6°48	8° 9	2°34	n.a.	M28
T 29	14 12 39	4°12'56	2♎42	17°16	25°38	2°31	18°47	10°10	1°12	19°45	1°46	6°43	8° 6	2°41	n.a.	T 29
W30	14 16 36	5♉10'18	15♎44	19♉14	26♈51	3♓16	18♋54	10♋14	1♏ 9	19♌44	1♑46	6♐38	8♐ 2	2♑47	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n55	1s44	4s54	6s10	2s15	4s51	1s30	18s51	1s22	23n38	0n56	23n55	0n29	12s 1	0n26	16n 2	1n 7	26s39	2s57	21s56	22s 9	21s57		n.a.
W 2	3 19	6 43	4 28	5 23	2 10	4 21	1 29	18 38	1 23	23 37	0 56	23 55	0 29	12 0	0 26	16 3	1 7	26 39	2 57	21 55	22 8	21 56		n.a.
T 3	3 42	11 18	3 47	4 35	2 5	3 52	1 29	18 26	1 23	23 37	0 56	23 55	0 29	11 59	0 26	16 3	1 7	26 39	2 57	21 53	22 8	21 56		n.a.
F 4	4 5	15 16	2 57	3 45	1 59	3 22	1 28	18 14	1 24	23 37	0 56	23 54	0 29	11 58	0 26	16 3	1 7	26 39	2 57	21 52	22 7	21 55		n.a.
S 5	4 28	18 26	1 58	2 54	1 53	2 52	1 28	18 1	1 25	23 36	0 56	23 54	0 29	11 58	0 26	16 4	1 7	26 40	2 57	21 51	22 7	21 54		n.a.
S 6	4 51	20 42	0 55	2 2	1 47	2 22	1 27	17 48	1 26	23 35	0 56	23 54	0 29	11 57	0 26	16 4	1 7	26 40	2 57	21 51	22 6	21 53		n.a.
M 7	5 13	21 58	0n10	1 9	1 39	1 52	1 27	17 35	1 26	23 35	0 56	23 54	0 29	11 56	0 26	16 4	1 7	26 40	2 58	21 51	22 6	21 52		n.a.
T 8	5 36	22 13	1 13	0 14	1 32	1 21	1 26	17 22	1 27	23 34	0 56	23 54	0 29	11 55	0 26	16 4	1 7	26 40	2 58	21 51	22 5	21 52		n.a.
W 9	5 59	21 28	2 13	0n41	1 24	0 51	1 25	17 8	1 27	23 34	0 56	23 54	0 29	11 54	0 26	16 5	1 7	26 40	2 58	21 51	22 5	21 51		n.a.
T 10	6 21	19 45	3 7	1 38	1 15	0 21	1 25	16 55	1 28	23 33	0 56	23 54	0 29	11 54	0 26	16 5	1 7	26 40	2 58	21 51	22 4	21 50		n.a.
F 11	6 44	17 11	3 54	2 35	1 6	0n10	1 24	16 41	1 29	23 32	0 56	23 54	0 29	11 53	0 26	16 5	1 7	26 41	2 58	21 51	22 4	21 49		n.a.
S 12	7 6	13 51	4 31	3 33	0 57	0 40	1 23	16 27	1 29	23 32	0 56	23 53	0 29	11 52	0 26	16 5	1 7	26 41	2 58	21 51	22 3	21 48		n.a.
S 13	7 28	9 51	4 56	4 31	0 47	1 10	1 22	16 13	1 30	23 31	0 55	23 53	0 29	11 51	0 26	16 5	1 7	26 41	2 59	21 50	22 3	21 47		n.a.
M14	7 51	5 21	5 8	5 30	0 37	1 41	1 21	15 59	1 31	23 30	0 55	23 53	0 29	11 50	0 26	16 6	1 7	26 41	2 59	21 49	22 2	21 46		n.a.
T 15	8 12	0 29	5 4	6 30	0 27	2 11	1 20	15 45	1 31	23 30	0 55	23 53	0 29	11 49	0 26	16 6	1 7	26 41	2 59	21 48	22 2	21 45		n.a.
W16	8 34	4n32	4 43	7 29	0 17	2 41	1 19	15 31	1 32	23 29	0 55	23 53	0 29	11 49	0 26	16 6	1 7	26 41	2 59	21 46	22 1	21 45		n.a.
T 17	8 56	9 28	4 6	8 28	0 6	3 11	1 17	15 16	1 33	23 28	0 55	23 52	0 29	11 48	0 26	16 6	1 7	26 42	2 59	21 45	22 1	21 44		n.a.
F 18	9 18	14 1	3 14	9 27	0n 4	3 42	1 16	15 2	1 33	23 27	0 55	23 52	0 29	11 47	0 26	16 6	1 7	26 42	3 0	21 44	22 0	21 43		n.a.
S 19	9 39	17 50	2 8	10 26	0 15	4 12	1 15	14 47	1 34	23 27	0 55	23 52	0 30	11 46	0 26	16 6	1 7	26 42	3 0	21 43	22 0	21 42		n.a.
S 20	10 0	20 35	0 54	11 23	0 25	4 42	1 13	14 32	1 34	23 26	0 55	23 52	0 30	11 45	0 26	16 7	1 7	26 42	3 0	21 43	21 59	21 41		n.a.
M21	10 22	22 1	0s25	12 20	0 36	5 12	1 12	14 17	1 35	23 25	0 55	23 52	0 30	11 44	0 26	16 7	1 7	26 42	3 0	21 43	21 59	21 40		n.a.
T 22	10 43	21 58	1 41	13 15	0 46	5 41	1 10	14 2	1 35	23 24	0 55	23 51	0 30	11 43	0 26	16 7	1 7	26 43	3 0	21 43	21 58	21 39		n.a.
W23	11 3	20 29	2 51	14 9	0 56	6 11	1 9	13 47	1 36	23 23	0 55	23 51	0 30	11 43	0 26	16 7	1 7	26 43	3 0	21 43	21 58	21 38		n.a.
T 24	11 24	17 43	3 50	15 1	1 5	6 41	1 7	13 32	1 37	23 22	0 55	23 51	0 30	11 42	0 26	16 7	1 7	26 43	3 1	21 44	21 57	21 37		n.a.
F 25	11 44	13 58	4 34	15 51	1 14	7 10	1 6	13 17	1 37	23 21	0 55	23 50	0 30	11 41	0 26	16 7	1 7	26 43	3 1	21 44	21 57	21 37		n.a.
S 26	12 5	9 29	5 2	16 40	1 23	7 40	1 4	13 1	1 38	23 20	0 55	23 50	0 30	11 40	0 26	16 7	1 7	26 43	3 1	21 43	21 56	21 36		n.a.
S 27	12 25	4 36	5 12	17 26	1 31	8 9	1 2	12 46	1 38	23 19	0 55	23 50	0 30	11 39	0 26	16 7	1 7	26 43	3 1	21 43	21 56	21 35		n.a.
M28	12 45	0s26	5 4	18 10	1 38	8 38	1 1	12 30	1 39	23 18	0 54	23 50	0 30	11 38	0 26	16 7	1 7	26 44	3 1	21 42	21 55	21 34		n.a.
T 29	13 4	5 22	4 41	18 52	1 45	9 6	0 59	12 14	1 39	23 17	0 54	23 49	0 30	11 37	0 26	16 7	1 7	26 44	3 1	21 41	21 55	21 33		n.a.
W30	13n24	9s59	4s 3	19n31	1n51	9n35	0s57	11s59	1s40	23n16	0n54	23n49	0n30	11s37	0n26	16n 7	1n 7	26s44	3s 1	21s40	21s54	21s32		n.a.

Julian Day Number = 1647002.5, Delta T = 03h33m10s
Ecliptic obliquity = 23°43'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'54, Lahiri = - 6°45'54 Julian Calendar 1 Apr. 204 BCE == Greg. Calendar 28 March 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

MAY 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 20 32	6♉ 7'39	28♎31	21♉ 9	28♈ 5	4♓ 0	19♋ 2	10♋19	1°R 7	19°R44	1°R45	6°R33	7♐59	2♑54	n.a.	T 1
F 2	14 24 29	7° 4'58	11♏ 5	23° 2	29°18	4°44	19° 9	10°24	1♏ 4	19♌44	1♑44	6♐30	7°56	3° 1	n.a.	F 2
S 3	14 28 25	8° 2'17	23°26	24°52	0♉32	5°29	19°17	10°29	1° 2	19°44	1°44	6°28	7°53	3° 7	n.a.	S 3
S 4	14 32 22	8°59'36	5♐34	26°40	1°45	6°13	19°24	10°33	0°59	19°44	1°43	6°D27	7°50	3°14	n.a.	S 4
M 5	14 36 18	9°56'53	17°33	28°25	2°59	6°57	19°32	10°38	0°57	19°D44	1°42	6°28	7°46	3°21	n.a.	M 5
T 6	14 40 15	10°54'10	29°25	0♊ 8	4°12	7°41	19°40	10°43	0°54	19°44	1°42	6°29	7°43	3°27	n.a.	T 6
W 7	14 44 12	11°51'26	11♑15	1°47	5°26	8°25	19°48	10°49	0°52	19°44	1°41	6°31	7°40	3°34	n.a.	W 7
T 8	14 48 8	12°48'41	23° 5	3°24	6°40	9° 9	19°57	10°54	0°50	19°44	1°40	6°32	7°37	3°41	n.a.	T 8
F 9	14 52 5	13°45'56	5♒ 1	4°59	7°53	9°53	20° 5	10°59	0°47	19°44	1°39	6°33	7°34	3°47	n.a.	F 9
S 10	14 56 1	14°43'10	17° 7	6°30	9° 7	10°37	20°13	11° 4	0°45	19°45	1°38	6°R34	7°31	3°54	n.a.	S 10
S 11	14 59 58	15°40'24	29°28	7°59	10°20	11°21	20°22	11°10	0°42	19°45	1°37	6°33	7°27	4° 1	n.a.	S 11
M12	15 3 54	16°37'38	12♓ 9	9°25	11°34	12° 4	20°30	11°15	0°40	19°45	1°37	6°31	7°24	4° 7	n.a.	M12
T 13	15 7 51	17°34'51	25°12	10°48	12°47	12°48	20°39	11°21	0°38	19°45	1°36	6°29	7°21	4°14	n.a.	T 13
W14	15 11 47	18°32'03	8♈40	12° 8	14° 1	13°32	20°48	11°26	0°35	19°46	1°35	6°27	7°18	4°21	n.a.	W14
T 15	15 15 44	19°29'16	22°33	13°25	15°15	14°15	20°57	11°32	0°33	19°46	1°34	6°24	7°15	4°27	n.a.	T 15
F 16	15 19 41	20°26'27	6♉48	14°39	16°28	14°59	21° 6	11°37	0°31	19°46	1°33	6°23	7°12	4°34	n.a.	F 16
S 17	15 23 37	21°23'39	21°22	15°50	17°42	15°42	21°15	11°43	0°28	19°47	1°32	6°21	7° 8	4°41	n.a.	S 17
S 18	15 27 34	22°20'50	6♊ 8	16°59	18°55	16°25	21°25	11°49	0°26	19°47	1°31	6°D21	7° 5	4°47	n.a.	S 18
M19	15 31 30	23°18'01	20°59	18° 4	20° 9	17° 9	21°34	11°55	0°24	19°47	1°30	6°21	7° 2	4°54	n.a.	M19
T 20	15 35 27	24°15'11	5♋48	19° 5	21°23	17°52	21°44	12° 1	0°22	19°48	1°29	6°22	6°59	5° 0	n.a.	T 20
W21	15 39 23	25°12'20	20°27	20° 4	22°36	18°35	21°53	12° 7	0°19	19°48	1°28	6°23	6°56	5° 7	n.a.	W21
T 22	15 43 20	26° 9'29	4♌53	20°59	23°50	19°18	22° 3	12°13	0°17	19°49	1°27	6°24	6°52	5°14	n.a.	T 22
F 23	15 47 16	27° 6'37	19° 2	21°50	25° 4	20° 1	22°13	12°19	0°15	19°50	1°25	6°24	6°49	5°20	n.a.	F 23
S 24	15 51 13	28° 3'44	2♍53	22°38	26°17	20°44	22°23	12°25	0°13	19°50	1°24	6°R24	6°46	5°27	n.a.	S 24
S 25	15 55 10	29° 0'51	16°24	23°22	27°31	21°26	22°33	12°32	0°11	19°51	1°23	6°24	6°43	5°34	n.a.	S 25
M26	15 59 6	29°57'57	29°38	24° 3	28°45	22° 9	22°43	12°38	0° 9	19°51	1°22	6°23	6°40	5°40	n.a.	M26
T 27	16 3 3	0♊55'03	12♎34	24°39	29°58	22°52	22°53	12°44	0° 7	19°52	1°21	6°23	6°37	5°47	n.a.	T 27
W28	16 6 59	1°52'09	25°16	25°12	1♊12	23°34	23° 3	12°51	0° 5	19°53	1°20	6°22	6°33	5°54	n.a.	W28
T 29	16 10 56	2°49'14	7♏45	25°40	2°26	24°16	23°13	12°57	0° 3	19°54	1°18	6°22	6°30	6° 0	n.a.	T 29
F 30	16 14 52	3°46'19	20° 2	26° 4	3°39	24°59	23°24	13° 3	0° 1	19°54	1°17	6°21	6°27	6° 7	n.a.	F 30
S 31	16 18 49	4♊43'24	2♐ 9	26♊23	4♊53	25♓41	23♋34	13♋10	29♎59	19♌55	1♑16	6°D21	6♐24	6♑14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13n43	14s 4	3s13	20n 8	1n57	10n 3	0s55	11s43	1s40	23n15	0n54	23n49	0n30	11s36	0n26	16n 7	1n 7	26s44	3s 2	21s39	21s54	21s31			n.a.
F 2	14 2	17 28	2 15	20 42	2 1	10 32	0 53	11 27	1 41	23 14	0 54	23 48	0 30	11 35	0 26	16 7	1 7	26 44	3 2	21 39	21 53	21 30			n.a.
S 3	14 21	19 59	1 11	21 14	2 5	10 59	0 51	11 11	1 41	23 12	0 54	23 48	0 30	11 34	0 26	16 7	1 7	26 44	3 2	21 38	21 53	21 29			n.a.
S 4	14 40	21 34	0 5	21 43	2 9	11 27	0 49	10 55	1 42	23 11	0 54	23 48	0 30	11 33	0 26	16 7	1 7	26 45	3 2	21 38	21 52	21 28			n.a.
M 5	14 58	22 7	1n 1	22 10	2 11	11 54	0 47	10 38	1 42	23 10	0 54	23 47	0 30	11 32	0 26	16 7	1 7	26 45	3 2	21 38	21 52	21 27			n.a.
T 6	15 16	21 40	2 3	22 35	2 13	12 22	0 45	10 22	1 43	23 9	0 54	23 47	0 30	11 31	0 26	16 7	1 7	26 45	3 2	21 39	21 51	21 26			n.a.
W 7	15 34	20 15	3 0	22 57	2 14	12 48	0 43	10 6	1 43	23 8	0 54	23 47	0 30	11 31	0 26	16 7	1 7	26 45	3 3	21 39	21 51	21 25			n.a.
T 8	15 52	17 57	3 49	23 17	2 14	13 15	0 41	9 50	1 44	23 6	0 54	23 46	0 30	11 30	0 26	16 7	1 7	26 45	3 3	21 39	21 50	21 24			n.a.
F 9	16 9	14 53	4 29	23 34	2 14	13 41	0 39	9 33	1 44	23 5	0 54	23 46	0 30	11 29	0 26	16 7	1 7	26 45	3 3	21 39	21 50	21 23			n.a.
S 10	16 27	11 10	4 58	23 50	2 13	14 7	0 37	9 17	1 44	23 4	0 54	23 45	0 30	11 28	0 26	16 7	1 6	26 46	3 3	21 39	21 49	21 22			n.a.
S 11	16 43	6 54	5 13	24 3	2 11	14 33	0 35	9 0	1 45	23 2	0 54	23 45	0 31	11 27	0 26	16 7	1 6	26 46	3 3	21 39	21 49	21 21			n.a.
M12	17 0	2 15	5 14	24 14	2 8	14 58	0 32	8 44	1 45	23 1	0 54	23 45	0 31	11 26	0 26	16 7	1 6	26 46	3 3	21 39	21 48	21 20			n.a.
T 13	17 16	2n38	4 59	24 23	2 5	15 23	0 30	8 27	1 46	23 0	0 54	23 44	0 31	11 26	0 26	16 7	1 6	26 46	3 4	21 39	21 47	21 19			n.a.
W14	17 33	7 34	4 27	24 30	2 1	15 47	0 28	8 11	1 46	22 58	0 54	23 44	0 31	11 25	0 26	16 7	1 6	26 46	3 4	21 38	21 47	21 18			n.a.
T 15	17 48	12 15	3 39	24 36	1 56	16 11	0 26	7 54	1 47	22 57	0 54	23 43	0 31	11 24	0 26	16 6	1 6	26 46	3 4	21 38	21 46	21 17			n.a.
F 16	18 4	16 24	2 36	24 39	1 51	16 35	0 23	7 37	1 47	22 55	0 53	23 43	0 31	11 23	0 26	16 6	1 6	26 47	3 4	21 38	21 46	21 16			n.a.
S 17	18 19	19 38	1 22	24 41	1 44	16 58	0 21	7 21	1 47	22 54	0 53	23 42	0 31	11 22	0 26	16 6	1 6	26 47	3 4	21 37	21 45	21 15			n.a.
S 18	18 34	21 36	0 1	24 41	1 37	17 21	0 19	7 4	1 48	22 52	0 53	23 42	0 31	11 22	0 26	16 6	1 6	26 47	3 4	21 37	21 45	21 14			n.a.
M19	18 49	22 4	1s20	24 40	1 30	17 43	0 17	6 47	1 48	22 51	0 53	23 41	0 31	11 21	0 25	16 6	1 6	26 47	3 4	21 37	21 44	21 13			n.a.
T 20	19 3	20 59	2 36	24 37	1 21	18 5	0 14	6 31	1 48	22 49	0 53	23 41	0 31	11 20	0 25	16 6	1 6	26 47	3 5	21 37	21 44	21 12			n.a.
W21	19 17	18 30	3 41	24 33	1 12	18 27	0 12	6 14	1 49	22 48	0 53	23 40	0 31	11 19	0 25	16 6	1 6	26 47	3 5	21 38	21 43	21 11			n.a.
T 22	19 31	14 53	4 31	24 27	1 3	18 48	0 9	5 57	1 49	22 46	0 53	23 40	0 31	11 19	0 25	16 5	1 6	26 47	3 5	21 38	21 43	21 10			n.a.
F 23	19 44	10 30	5 3	24 20	0 52	19 8	0 7	5 40	1 49	22 44	0 53	23 39	0 31	11 18	0 25	16 5	1 6	26 48	3 5	21 38	21 42	21 9			n.a.
S 24	19 58	5 39	5 17	24 12	0 41	19 28	0 5	5 24	1 50	22 43	0 53	23 39	0 31	11 17	0 25	16 5	1 6	26 48	3 5	21 38	21 42	21 8			n.a.
S 25	20 10	0 38	5 12	24 3	0 30	19 48	0 2	5 7	1 50	22 41	0 53	23 38	0 31	11 16	0 25	16 5	1 6	26 48	3 5	21 38	21 41	21 7			n.a.
M26	20 23	4s18	4 52	23 53	0 18	20 7	0 0	4 50	1 50	22 39	0 53	23 38	0 31	11 16	0 25	16 4	1 6	26 48	3 5	21 38	21 40	21 6			n.a.
T 27	20 35	8 57	4 16	23 42	0 5	20 25	0n 2	4 33	1 50	22 37	0 53	23 37	0 31	11 15	0 25	16 4	1 6	26 48	3 6	21 38	21 40	21 5			n.a.
W28	20 47	13 7	3 29	23 30	0s 8	20 43	0 5	4 16	1 51	22 36	0 53	23 37	0 31	11 14	0 25	16 4	1 6	26 48	3 6	21 37	21 39	21 4			n.a.
T 29	20 58	16 39	2 32	23 17	0 22	21 0	0 7	4 0	1 51	22 34	0 53	23 36	0 31	11 14	0 25	16 4	1 6	26 49	3 6	21 37	21 39	21 3			n.a.
F 30	21 9	19 23	1 29	23 3	0 36	21 17	0 9	3 43	1 51	22 32	0 53	23 35	0 31	11 13	0 25	16 3	1 6	26 49	3 6	21 37	21 38	21 2			n.a.
S 31	21n20	21s13	0s23	22n49	0s51	21n33	0n12	3s26	1s51	22n30	0n53	23n35	0n32	11s12	0n25	16n 3	1n 6	26s49	3s 6	21s37	21s38	21s 0			n.a.

Julian Day Number = 1647032.5, Delta T = 03h33m09s
Ecliptic obliquity = 23°43'08, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'50, Lahiri = - 6°45'50 Julian Calendar 1 May 204 BCE == Greg. Calendar 27 Apr. 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

JUNE 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 22 45	5♊40'29	14♐ 8	26♊38	6♊ 7	26♓23	23♋45	13♋17	29°R57	19♑56	1°R15	6♐21	6♐21	6♑20	n.a.	S 1
M 2	16 26 42	6°37'35	26° 2	26°48	7°20	27° 5	23°55	13°23	29♎55	19°57	1♑14	6°R21	6°18	6°27	n.a.	M 2
T 3	16 30 39	7°34'40	7♑51	26°54	8°34	27°47	24° 6	13°30	29°54	19°58	1°12	6°21	6°14	6°34	n.a.	T 3
W 4	16 34 35	8°31'45	19°40	26°R55	9°48	28°29	24°17	13°37	29°52	19°59	1°11	6°21	6°11	6°40	n.a.	W 4
T 5	16 38 32	9°28'51	1♒31	26°52	11° 2	29°11	24°28	13°43	29°50	20° 0	1°10	6°21	6° 8	6°47	n.a.	T 5
F 6	16 42 28	10°25'57	13°28	26°44	12°15	29°52	24°39	13°50	29°48	20° 1	1° 8	6°20	6° 5	6°54	n.a.	F 6
S 7	16 46 25	11°23'03	25°35	26°31	13°29	0♈34	24°50	13°57	29°47	20° 2	1° 7	6°20	6° 2	7° 0	n.a.	S 7
S 8	16 50 21	12°20'10	7♓55	26°14	14°43	1°15	25° 1	14° 4	29°45	20° 3	1° 6	6°D20	5°58	7° 7	n.a.	S 8
M 9	16 54 18	13°17'18	20°32	25°52	15°57	1°57	25°12	14°11	29°43	20° 4	1° 4	6°20	5°55	7°14	n.a.	M 9
T 10	16 58 15	14°14'26	3♈32	25°27	17°10	2°38	25°23	14°18	29°42	20° 5	1° 3	6°20	5°52	7°20	n.a.	T 10
W11	17 2 11	15°11'34	16°56	24°58	18°24	3°19	25°34	14°25	29°40	20° 6	1° 2	6°21	5°49	7°27	n.a.	W11
T 12	17 6 8	16° 8'43	0♉46	24°26	19°38	4° 0	25°46	14°32	29°39	20° 7	1° 0	6°22	5°46	7°34	n.a.	T 12
F 13	17 10 4	17° 5'53	15° 2	23°51	20°52	4°41	25°57	14°39	29°38	20° 9	0°59	6°22	5°43	7°40	n.a.	F 13
S 14	17 14 1	18° 3'04	29°41	23°14	22° 6	5°22	26° 9	14°46	29°36	20°10	0°58	6°R23	5°39	7°47	n.a.	S 14
S 15	17 17 57	19° 0'15	14♊38	22°35	23°20	6° 3	26°20	14°53	29°35	20°11	0°56	6°23	5°36	7°54	n.a.	S 15
M16	17 21 54	19°57'27	29°45	21°55	24°33	6°43	26°32	15° 0	29°34	20°12	0°55	6°22	5°33	8° 0	n.a.	M16
T 17	17 25 50	20°54'39	14♋53	21°15	25°47	7°24	26°44	15° 8	29°32	20°14	0°53	6°21	5°30	8° 7	n.a.	T 17
W18	17 29 47	21°51'51	29°53	20°36	27° 1	8° 4	26°55	15°15	29°31	20°15	0°52	6°19	5°27	8°14	n.a.	W18
T 19	17 33 44	22°49'04	14♌36	19°57	28°15	8°44	27° 7	15°22	29°30	20°16	0°51	6°17	5°24	8°20	n.a.	T 19
F 20	17 37 40	23°46'17	28°57	19°20	29°29	9°24	27°19	15°29	29°29	20°18	0°49	6°15	5°20	8°27	n.a.	F 20
S 21	17 41 37	24°43'31	12♍54	18°45	0♋43	10° 4	27°31	15°37	29°28	20°19	0°48	6°14	5°17	8°34	n.a.	S 21
S 22	17 45 33	25°40'45	26°26	18°14	1°57	10°44	27°43	15°44	29°27	20°21	0°46	6°D14	5°14	8°40	n.a.	S 22
M23	17 49 30	26°37'59	9♎33	17°46	3°11	11°24	27°55	15°52	29°26	20°22	0°45	6°14	5°11	8°47	n.a.	M23
T 24	17 53 26	27°35'14	22°20	17°22	4°25	12° 3	28° 7	15°59	29°25	20°24	0°44	6°16	5° 8	8°54	n.a.	T 24
W25	17 57 23	28°32'29	4♏49	17° 3	5°38	12°43	28°19	16° 6	29°24	20°25	0°42	6°17	5° 4	9° 0	n.a.	W25
T 26	18 1 19	29°29'45	17° 4	16°49	6°52	13°22	28°31	16°14	29°23	20°27	0°41	6°19	5° 1	9° 7	n.a.	T 26
F 27	18 5 16	0♋27'01	29° 9	16°41	8° 6	14° 1	28°43	16°21	29°22	20°28	0°39	6°20	4°58	9°14	n.a.	F 27
S 28	18 9 13	1°24'19	11♐ 6	16°D38	9°20	14°40	28°55	16°29	29°22	20°30	0°38	6°R20	4°55	9°21	n.a.	S 28
S 29	18 13 9	2°21'37	22°58	16°42	10°34	15°19	29° 8	16°36	29°21	20°31	0°37	6°19	4°52	9°27	n.a.	S 29
M30	18 17 6	3♋18'56	4♑48	16♊51	11♋48	15♈57	29♋20	16♋44	29♎20	20♌33	0♑35	6♐16	4♐49	9♑34	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n30	22s 3	0n43	22n35	1s 6	21n49	0n14	3s 9	1s52	22n28	0n53	23n34	0n32	11s12	0n25	16n 3	1n 6	26s49	3s 6	21s37	21s37	20s59		n.a.
M 2	21 40	21 52	1 47	22 20	1 21	22 4	0 16	2 53	1 52	22 26	0 53	23 34	0 32	11 11	0 25	16 2	1 6	26 49	3 6	21 37	21 37	20 58		n.a.
T 3	21 50	20 43	2 46	22 5	1 36	22 18	0 19	2 36	1 52	22 25	0 53	23 33	0 32	11 10	0 25	16 2	1 6	26 49	3 6	21 37	21 36	20 57		n.a.
W 4	21 59	18 40	3 38	21 49	1 52	22 32	0 21	2 19	1 52	22 23	0 53	23 32	0 32	11 10	0 25	16 2	1 6	26 49	3 7	21 37	21 36	20 56		n.a.
T 5	22 8	15 49	4 21	21 33	2 8	22 45	0 23	2 3	1 52	22 21	0 53	23 32	0 32	11 9	0 25	16 1	1 6	26 49	3 7	21 37	21 35	20 55		n.a.
F 6	22 16	12 18	4 53	21 17	2 23	22 57	0 26	1 46	1 53	22 19	0 53	23 31	0 32	11 9	0 25	16 1	1 6	26 50	3 7	21 37	21 34	20 54		n.a.
S 7	22 24	8 15	5 12	21 2	2 39	23 9	0 28	1 30	1 53	22 17	0 53	23 30	0 32	11 8	0 25	16 1	1 6	26 50	3 7	21 37	21 34	20 53		n.a.
S 8	22 32	3 48	5 17	20 46	2 54	23 20	0 30	1 13	1 53	22 15	0 53	23 30	0 32	11 7	0 25	16 0	1 6	26 50	3 7	21 37	21 33	20 52		n.a.
M 9	22 40	0n55	5 8	20 31	3 8	23 30	0 32	0 57	1 53	22 12	0 53	23 29	0 32	11 7	0 25	16 0	1 6	26 50	3 7	21 37	21 33	20 51		n.a.
T 10	22 47	5 44	4 43	20 16	3 22	23 40	0 35	0 40	1 53	22 10	0 53	23 28	0 32	11 6	0 25	16 0	1 6	26 50	3 7	21 37	21 32	20 50		n.a.
W11	22 53	10 26	4 1	20 2	3 36	23 49	0 37	0 24	1 53	22 8	0 53	23 28	0 32	11 6	0 25	15 59	1 6	26 50	3 7	21 37	21 32	20 48		n.a.
T 12	22 59	14 45	3 5	19 48	3 48	23 57	0 39	0 7	1 53	22 6	0 53	23 27	0 32	11 5	0 25	15 59	1 6	26 50	3 7	21 37	21 31	20 47		n.a.
F 13	23 5	18 23	1 56	19 35	3 59	24 5	0 41	0n 9	1 53	22 4	0 53	23 26	0 32	11 5	0 25	15 58	1 6	26 50	3 8	21 37	21 30	20 46		n.a.
S 14	23 10	20 55	0 37	19 23	4 10	24 12	0 43	0 25	1 54	22 2	0 53	23 26	0 32	11 4	0 25	15 58	1 6	26 51	3 8	21 38	21 30	20 45		n.a.
S 15	23 15	22 4	0s46	19 12	4 19	24 18	0 45	0 41	1 54	21 59	0 53	23 25	0 32	11 4	0 25	15 58	1 6	26 51	3 8	21 38	21 29	20 44		n.a.
M16	23 20	21 37	2 6	19 3	4 26	24 23	0 47	0 58	1 54	21 57	0 53	23 24	0 32	11 4	0 25	15 57	1 6	26 51	3 8	21 37	21 29	20 43		n.a.
T 17	23 24	19 36	3 17	18 54	4 32	24 28	0 49	1 14	1 54	21 55	0 53	23 23	0 33	11 3	0 25	15 57	1 6	26 51	3 8	21 37	21 28	20 42		n.a.
W18	23 28	16 16	4 15	18 47	4 36	24 32	0 51	1 30	1 54	21 53	0 53	23 23	0 33	11 3	0 25	15 56	1 6	26 51	3 8	21 37	21 28	20 40		n.a.
T 19	23 31	11 57	4 54	18 42	4 39	24 35	0 53	1 46	1 54	21 50	0 53	23 22	0 33	11 2	0 25	15 56	1 5	26 51	3 8	21 37	21 27	20 39		n.a.
F 20	23 34	7 5	5 14	18 38	4 40	24 38	0 55	2 2	1 54	21 48	0 53	23 21	0 33	11 2	0 25	15 55	1 5	26 51	3 8	21 36	21 27	20 38		n.a.
S 21	23 37	1 58	5 14	18 36	4 40	24 40	0 57	2 17	1 54	21 46	0 53	23 20	0 33	11 2	0 25	15 55	1 5	26 51	3 8	21 36	21 26	20 37		n.a.
S 22	23 39	3s 6	4 57	18 35	4 37	24 41	0 58	2 33	1 54	21 43	0 53	23 19	0 33	11 1	0 25	15 54	1 5	26 52	3 9	21 36	21 25	20 36		n.a.
M23	23 41	7 52	4 24	18 36	4 34	24 41	1 0	2 49	1 54	21 41	0 53	23 19	0 33	11 1	0 25	15 54	1 5	26 52	3 9	21 36	21 25	20 35		n.a.
T 24	23 42	12 11	3 39	18 40	4 28	24 41	1 2	3 4	1 54	21 38	0 53	23 18	0 33	11 1	0 25	15 53	1 5	26 52	3 9	21 36	21 24	20 33		n.a.
W25	23 43	15 52	2 45	18 44	4 22	24 39	1 4	3 20	1 54	21 36	0 53	23 17	0 33	11 0	0 25	15 53	1 5	26 52	3 9	21 37	21 24	20 32		n.a.
T 26	23 43	18 48	1 44	18 51	4 13	24 37	1 5	3 35	1 54	21 33	0 53	23 16	0 33	11 0	0 25	15 52	1 5	26 52	3 9	21 37	21 23	20 31		n.a.
F 27	23 43	20 51	0 39	19 0	4 4	24 35	1 7	3 51	1 54	21 31	0 53	23 15	0 33	11 0	0 25	15 52	1 5	26 52	3 9	21 37	21 22	20 30		n.a.
S 28	23 43	21 56	0n26	19 10	3 54	24 31	1 8	4 6	1 54	21 28	0 53	23 14	0 33	11 0	0 25	15 51	1 5	26 52	3 9	21 37	21 22	20 29		n.a.
S 29	23 42	22 2	1 30	19 21	3 42	24 27	1 10	4 21	1 54	21 26	0 53	23 13	0 33	10 59	0 24	15 51	1 5	26 52	3 9	21 37	21 21	20 27		n.a.
M30	23n41	21s 8	2n30	19n34	3s30	24n22	1n11	4n36	1s53	21n23	0n53	23n13	0n33	10s59	0n24	15n50	1n 5	26s52	3s 9	21s36	21s21	20s26		n.a.

Julian Day Number = 1647063.5, Delta T = 03h33m08s
Ecliptic obliquity = 23°43'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'46, Lahiri = - 6°45'46 Julian Calendar 1 June 204 BCE == Greg. Calendar 28 May 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

JULY 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 21 2	4♋16'16	16♑37	17♊ 7	13♋ 2	16♈36	29♋32	16♋51	29°R20	20♌35	0°R34	6°R13	4♐45	9♑41	n.a.	T 1
W 2	18 24 59	5°13'37	28°28	17°29	14°16	17°14	29°45	16°59	29♎19	20°36	0♑32	6♐ 8	4°42	9°47	n.a.	W 2
T 3	18 28 55	6°10'59	10♒23	17°57	15°30	17°53	29°57	17° 6	29°19	20°38	0°31	6° 3	4°39	9°54	n.a.	T 3
F 4	18 32 52	7° 8'23	22°24	18°32	16°44	18°31	0♌10	17°14	29°18	20°40	0°29	5°58	4°36	10° 1	n.a.	F 4
S 5	18 36 48	8° 5'47	4♓34	19°13	17°58	19° 9	0°22	17°22	29°18	20°41	0°28	5°53	4°33	10° 7	n.a.	S 5
S 6	18 40 45	9° 3'13	16°55	20° 0	19°12	19°47	0°35	17°29	29°17	20°43	0°27	5°50	4°30	10°14	n.a.	S 6
M 7	18 44 42	10° 0'41	29°32	20°53	20°26	20°24	0°47	17°37	29°17	20°45	0°25	5°48	4°26	10°21	n.a.	M 7
T 8	18 48 38	10°58'09	12♈27	21°53	21°40	21° 2	1° 0	17°44	29°17	20°47	0°24	5°D47	4°23	10°27	n.a.	T 8
W 9	18 52 35	11°55'40	25°44	22°58	22°54	21°39	1°13	17°52	29°17	20°49	0°22	5°48	4°20	10°34	n.a.	W 9
T 10	18 56 31	12°53'11	9♉25	24° 9	24° 8	22°16	1°25	18° 0	29°16	20°50	0°21	5°49	4°17	10°41	n.a.	T 10
F 11	19 0 28	13°50'45	23°32	25°26	25°22	22°53	1°38	18° 7	29°16	20°52	0°20	5°51	4°14	10°47	n.a.	F 11
S 12	19 4 24	14°48'20	8♊ 5	26°48	26°36	23°30	1°51	18°15	29°D16	20°54	0°18	5°R51	4°10	10°54	n.a.	S 12
S 13	19 8 21	15°45'56	22°58	28°15	27°50	24° 7	2° 3	18°23	29°16	20°56	0°17	5°50	4° 7	11° 1	n.a.	S 13
M14	19 12 18	16°43'34	8♋ 7	29°46	29° 4	24°43	2°16	18°30	29°16	20°58	0°16	5°47	4° 4	11° 7	n.a.	M14
T 15	19 16 14	17°41'14	23°22	1♋23	0♌19	25°19	2°29	18°38	29°17	21° 0	0°14	5°42	4° 1	11°14	n.a.	T 15
W16	19 20 11	18°38'55	8♌32	3° 3	1°33	25°55	2°42	18°46	29°17	21° 2	0°13	5°36	3°58	11°21	n.a.	W16
T 17	19 24 7	19°36'37	23°27	4°47	2°47	26°31	2°55	18°53	29°17	21° 4	0°12	5°30	3°55	11°27	n.a.	T 17
F 18	19 28 4	20°34'20	8♍ 1	6°34	4° 1	27° 7	3° 8	19° 1	29°17	21° 6	0°10	5°24	3°51	11°34	n.a.	F 18
S 19	19 32 0	21°32'04	22° 7	8°24	5°15	27°42	3°21	19° 9	29°18	21° 8	0° 9	5°19	3°48	11°41	n.a.	S 19
S 20	19 35 57	22°29'50	5♎44	10°17	6°29	28°17	3°33	19°16	29°18	21°10	0° 8	5°16	3°45	11°47	n.a.	S 20
M21	19 39 53	23°27'37	18°53	12°12	7°43	28°52	3°46	19°24	29°18	21°12	0° 6	5°D14	3°42	11°54	n.a.	M21
T 22	19 43 50	24°25'25	1♏38	14° 8	8°57	29°27	3°59	19°32	29°19	21°14	0° 5	5°14	3°39	12° 1	n.a.	T 22
W23	19 47 47	25°23'14	14° 2	16° 6	10°11	0♉ 2	4°12	19°39	29°19	21°16	0° 4	5°15	3°35	12° 7	n.a.	W23
T 24	19 51 43	26°21'05	26°11	18° 5	11°25	0°36	4°25	19°47	29°20	21°18	0° 3	5°17	3°32	12°14	n.a.	T 24
F 25	19 55 40	27°18'57	8♐ 9	20° 4	12°39	1°10	4°38	19°55	29°21	21°20	0° 1	5°R17	3°29	12°21	n.a.	F 25
S 26	19 59 36	28°16'51	20° 0	22° 4	13°54	1°44	4°51	20° 2	29°21	21°22	0° 0	5°16	3°26	12°27	n.a.	S 26
S 27	20 3 33	29°14'46	1♑49	24° 3	15° 8	2°18	5° 4	20°10	29°22	21°24	29♐59	5°12	3°23	12°34	n.a.	S 27
M28	20 7 29	0♌12'43	13°38	26° 3	16°22	2°51	5°17	20°17	29°23	21°26	29°58	5° 6	3°20	12°41	n.a.	M28
T 29	20 11 26	1°10'42	25°30	28° 2	17°36	3°24	5°30	20°25	29°24	21°28	29°57	4°58	3°16	12°47	n.a.	T 29
W30	20 15 22	2° 8'42	7♒26	0♌ 0	18°50	3°57	5°43	20°32	29°25	21°30	29°55	4°48	3°13	12°54	n.a.	W30
T 31	20 19 19	3♌ 6'43	19♒29	1♌58	20♌ 4	4♉30	5♌56	20♋40	29♎25	21♌33	29♐54	4♐38	3♐10	13♑ 1	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23n39	19s19	3n23	19n49	3s17	24n17	1n13	4n51	1s53	21n21	0n53	23n12	0n34	10s59	0n24	15n50	1n 5	26s52	3s 9	21s36	21s20	20s25			n.a.
W 2	23 37	16 40	4 8	20 5	3 3	24 10	1 14	5 6	1 53	21 18	0 53	23 11	0 34	10 59	0 24	15 49	1 5	26 52	3 9	21 35	21 20	20 24			n.a.
T 3	23 34	13 19	4 42	20 21	2 49	24 3	1 15	5 21	1 53	21 15	0 53	23 10	0 34	10 59	0 24	15 49	1 5	26 53	3 9	21 34	21 19	20 23			n.a.
F 4	23 31	9 25	5 4	20 39	2 35	23 55	1 16	5 36	1 53	21 13	0 53	23 9	0 34	10 58	0 24	15 48	1 5	26 53	3 10	21 33	21 18	20 21			n.a.
S 5	23 28	5 7	5 12	20 57	2 20	23 47	1 18	5 51	1 53	21 10	0 53	23 8	0 34	10 58	0 24	15 48	1 5	26 53	3 10	21 32	21 18	20 20			n.a.
S 6	23 24	0 32	5 6	21 16	2 5	23 37	1 19	6 5	1 53	21 7	0 53	23 7	0 34	10 58	0 24	15 47	1 5	26 53	3 10	21 32	21 17	20 19			n.a.
M 7	23 20	4n10	4 46	21 35	1 49	23 27	1 20	6 20	1 53	21 4	0 53	23 6	0 34	10 58	0 24	15 46	1 5	26 53	3 10	21 31	21 17	20 18			n.a.
T 8	23 16	8 49	4 11	21 54	1 34	23 17	1 21	6 34	1 52	21 2	0 53	23 5	0 34	10 58	0 24	15 46	1 5	26 53	3 10	21 31	21 16	20 17			n.a.
W 9	23 11	13 10	3 21	22 13	1 19	23 5	1 22	6 48	1 52	20 59	0 53	23 4	0 34	10 58	0 24	15 45	1 5	26 53	3 10	21 31	21 15	20 15			n.a.
T 10	23 5	17 0	2 19	22 31	1 4	22 53	1 23	7 2	1 52	20 56	0 53	23 3	0 34	10 58	0 24	15 45	1 5	26 53	3 10	21 32	21 15	20 14			n.a.
F 11	22 59	19 57	1 7	22 49	0 49	22 41	1 23	7 16	1 52	20 53	0 53	23 3	0 34	10 58	0 24	15 44	1 5	26 53	3 10	21 32	21 14	20 13			n.a.
S 12	22 53	21 43	0s12	23 6	0 35	22 27	1 24	7 30	1 51	20 50	0 53	23 2	0 34	10 58	0 24	15 43	1 5	26 53	3 10	21 32	21 14	20 12			n.a.
S 13	22 46	22 0	1 32	23 21	0 21	22 13	1 25	7 44	1 51	20 48	0 53	23 1	0 34	10 58	0 24	15 43	1 5	26 53	3 10	21 32	21 13	20 10			n.a.
M14	22 39	20 42	2 46	23 36	0 7	21 58	1 25	7 58	1 51	20 45	0 53	23 0	0 35	10 58	0 24	15 42	1 5	26 53	3 10	21 31	21 12	20 9			n.a.
T 15	22 32	17 54	3 49	23 48	0n 6	21 43	1 26	8 11	1 51	20 42	0 53	22 59	0 35	10 58	0 24	15 41	1 5	26 53	3 10	21 30	21 12	20 8			n.a.
W16	22 24	13 54	4 36	23 59	0 18	21 27	1 26	8 25	1 50	20 39	0 53	22 58	0 35	10 58	0 24	15 41	1 5	26 53	3 10	21 29	21 11	20 7			n.a.
T 17	22 16	9 6	5 2	24 7	0 29	21 11	1 27	8 38	1 50	20 36	0 53	22 57	0 35	10 58	0 24	15 40	1 5	26 54	3 10	21 28	21 11	20 5			n.a.
F 18	22 7	3 54	5 9	24 14	0 40	20 53	1 27	8 51	1 50	20 33	0 53	22 56	0 35	10 59	0 24	15 40	1 5	26 54	3 10	21 27	21 10	20 4			n.a.
S 19	21 58	1s22	4 56	24 17	0 50	20 35	1 28	9 5	1 50	20 30	0 53	22 55	0 35	10 59	0 24	15 39	1 5	26 54	3 11	21 26	21 9	20 3			n.a.
S 20	21 49	6 22	4 27	24 18	1 0	20 17	1 28	9 17	1 49	20 27	0 53	22 54	0 35	10 59	0 24	15 38	1 5	26 54	3 11	21 26	21 9	20 2			n.a.
M21	21 39	10 56	3 44	24 17	1 8	19 58	1 28	9 30	1 49	20 24	0 53	22 53	0 35	10 59	0 24	15 38	1 5	26 54	3 11	21 25	21 8	20 0			n.a.
T 22	21 29	14 51	2 52	24 13	1 16	19 39	1 28	9 43	1 48	20 21	0 53	22 52	0 35	10 59	0 24	15 37	1 5	26 54	3 11	21 25	21 8	19 59			n.a.
W23	21 19	18 1	1 52	24 6	1 23	19 18	1 28	9 56	1 48	20 18	0 53	22 51	0 35	10 59	0 24	15 36	1 5	26 54	3 11	21 26	21 7	19 58			n.a.
T 24	21 8	20 19	0 49	23 57	1 28	18 58	1 28	10 8	1 48	20 15	0 53	22 49	0 35	11 0	0 24	15 36	1 5	26 54	3 11	21 26	21 6	19 56			n.a.
F 25	20 56	21 40	0n15	23 44	1 34	18 37	1 28	10 20	1 47	20 11	0 53	22 48	0 35	11 0	0 24	15 35	1 5	26 54	3 11	21 26	21 6	19 55			n.a.
S 26	20 45	22 2	1 18	23 30	1 38	18 15	1 28	10 33	1 47	20 8	0 54	22 47	0 36	11 0	0 24	15 34	1 5	26 54	3 11	21 26	21 5	19 54			n.a.
S 27	20 33	21 25	2 18	23 13	1 41	17 53	1 28	10 45	1 46	20 5	0 54	22 46	0 36	11 1	0 24	15 33	1 5	26 54	3 11	21 25	21 5	19 52			n.a.
M28	20 20	19 51	3 11	22 53	1 44	17 30	1 27	10 57	1 46	20 2	0 54	22 45	0 36	11 1	0 24	15 33	1 5	26 54	3 11	21 24	21 4	19 51			n.a.
T 29	20 8	17 26	3 56	22 31	1 46	17 7	1 27	11 9	1 46	19 59	0 54	22 44	0 36	11 1	0 24	15 32	1 5	26 54	3 11	21 23	21 3	19 50			n.a.
W30	19 55	14 16	4 31	22 7	1 47	16 43	1 26	11 20	1 45	19 56	0 54	22 43	0 36	11 1	0 24	15 31	1 5	26 54	3 11	21 21	21 3	19 49			n.a.
T 31	19n41	10s30	4n54	21n42	1n47	16n19	1n26	11n32	1s45	19n52	0n54	22n42	0n36	11s 2	0n24	15n31	1n 5	26s54	3s11	21s19	21s 2	19s47			n.a.

Julian Day Number = 1647093.5, Delta T = 03h33m07s
Ecliptic obliquity = 23°43'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'42, Lahiri = - 6°45'41 Julian Calendar 1 July 204 BCE == Greg. Calendar 27 June 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

AUGUST 204 BCE (-203) JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 23 16	4♌ 4'47	1♓39	3♌55	21♌18	5♉ 3	6♌10	20♋48	29♎26	21♌35	29°R53	4°R27	3♐ 7	13♑ 7	n.a.	F 1
S 2	20 27 12	5° 2'52	13°58	5°51	22°32	5°35	6°23	20°55	29°28	21°37	29♐52	4♐17	3° 4	13°14	n.a.	S 2
S 3	20 31 9	6° 1'00	26°27	7°46	23°46	6° 7	6°36	21° 3	29°29	21°39	29°51	4° 9	3° 1	13°21	n.a.	S 3
M 4	20 35 5	6°59'09	9♈ 9	9°40	25° 0	6°39	6°49	21°10	29°30	21°41	29°50	4° 3	2°57	13°27	n.a.	M 4
T 5	20 39 2	7°57'21	22° 5	11°33	26°15	7°10	7° 2	21°18	29°31	21°43	29°49	3°59	2°54	13°34	n.a.	T 5
W 6	20 42 58	8°55'35	5♉19	13°25	27°29	7°41	7°15	21°25	29°32	21°46	29°48	3°D58	2°51	13°41	n.a.	W 6
T 7	20 46 55	9°53'51	18°52	15°15	28°43	8°12	7°28	21°32	29°34	21°48	29°47	3°58	2°48	13°48	n.a.	T 7
F 8	20 50 51	10°52'09	2♊47	17° 5	29°57	8°43	7°41	21°40	29°35	21°50	29°46	3°R59	2°45	13°54	n.a.	F 8
S 9	20 54 48	11°50'30	17° 5	18°53	1♍11	9°13	7°54	21°47	29°36	21°52	29°45	3°58	2°41	14° 1	n.a.	S 9
S 10	20 58 44	12°48'52	1♋44	20°40	2°25	9°43	8° 7	21°55	29°38	21°54	29°44	3°56	2°38	14° 8	n.a.	S 10
M11	21 2 41	13°47'17	16°40	22°26	3°39	10°13	8°20	22° 2	29°39	21°57	29°43	3°51	2°35	14°14	n.a.	M11
T 12	21 6 38	14°45'44	1♌45	24°11	4°53	10°42	8°33	22° 9	29°41	21°59	29°42	3°43	2°32	14°21	n.a.	T 12
W13	21 10 34	15°44'13	16°50	25°55	6° 7	11°11	8°46	22°16	29°42	22° 1	29°41	3°33	2°29	14°28	n.a.	W13
T 14	21 14 31	16°42'44	1♍46	27°37	7°21	11°40	8°59	22°24	29°44	22° 3	29°40	3°22	2°26	14°34	n.a.	T 14
F 15	21 18 27	17°41'17	16°22	29°19	8°35	12° 8	9°12	22°31	29°46	22° 6	29°39	3°12	2°22	14°41	n.a.	F 15
S 16	21 22 24	18°39'51	0♎33	0♍59	9°50	12°36	9°25	22°38	29°47	22° 8	29°39	3° 3	2°19	14°48	n.a.	S 16
S 17	21 26 20	19°38'28	14°16	2°39	11° 4	13° 4	9°38	22°45	29°49	22°10	29°38	2°56	2°16	14°54	n.a.	S 17
M18	21 30 17	20°37'06	27°29	4°17	12°18	13°31	9°51	22°52	29°51	22°12	29°37	2°52	2°13	15° 1	n.a.	M18
T 19	21 34 13	21°35'46	10♏16	5°55	13°32	13°58	10° 4	22°59	29°53	22°14	29°36	2°50	2°10	15° 8	n.a.	T 19
W20	21 38 10	22°34'28	22°41	7°31	14°46	14°25	10°17	23° 6	29°55	22°17	29°36	2°D50	2° 7	15°14	n.a.	W20
T 21	21 42 7	23°33'11	4♐49	9° 6	16° 0	14°51	10°30	23°13	29°57	22°19	29°35	2°R50	2° 3	15°21	n.a.	T 21
F 22	21 46 3	24°31'57	16°46	10°40	17°14	15°17	10°43	23°20	29°59	22°21	29°34	2°49	2° 0	15°28	n.a.	F 22
S 23	21 50 0	25°30'44	28°36	12°14	18°28	15°42	10°56	23°27	0♏ 1	22°23	29°33	2°47	1°57	15°34	n.a.	S 23
S 24	21 53 56	26°29'33	10♑24	13°46	19°42	16° 7	11° 8	23°34	0° 3	22°26	29°33	2°42	1°54	15°41	n.a.	S 24
M25	21 57 53	27°28'25	22°15	15°17	20°56	16°32	11°21	23°41	0° 5	22°28	29°32	2°34	1°51	15°48	n.a.	M25
T 26	22 1 49	28°27'18	4♒12	16°48	22°10	16°56	11°34	23°48	0° 7	22°30	29°32	2°24	1°47	15°54	n.a.	T 26
W27	22 5 46	29°26'13	16°16	18°17	23°24	17°20	11°47	23°54	0° 9	22°32	29°31	2°11	1°44	16° 1	n.a.	W27
T 28	22 9 42	0♍25'10	28°30	19°46	24°38	17°43	11°59	24° 1	0°12	22°34	29°31	1°58	1°41	16° 8	n.a.	T 28
F 29	22 13 39	1°24'09	10♓53	21°13	25°52	18° 6	12°12	24° 8	0°14	22°37	29°30	1°44	1°38	16°15	n.a.	F 29
S 30	22 17 35	2°23'10	23°27	22°40	27° 6	18°28	12°25	24°14	0°16	22°39	29°30	1°31	1°35	16°21	n.a.	S 30
S 31	22 21 32	3♍22'14	6♈12	24♍ 5	28♍20	18♉50	12♌37	24♋21	0♏19	22♌41	29♐29	1♐20	1♐32	16♑28	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n28	6s17	5n 4	21n14	1n47	15n55	1n25	11n43	1s44	19n49	0n54	22n41	0n36	11s 2	0n24	15n30	1n 5	26s54	3s11	21s17	21s 1	19s46		n.a.
S 2	19 14	1 47	5 0	20 45	1 46	15 30	1 25	11 55	1 44	19 46	0 54	22 40	0 36	11 3	0 23	15 29	1 5	26 54	3 11	21 15	21 1	19 45		n.a.
S 3	18 59	2n52	4 42	20 14	1 45	15 4	1 24	12 6	1 43	19 43	0 54	22 39	0 36	11 3	0 23	15 29	1 5	26 54	3 11	21 13	21 0	19 43		n.a.
M 4	18 45	7 29	4 9	19 42	1 43	14 38	1 23	12 17	1 43	19 39	0 54	22 38	0 36	11 3	0 23	15 28	1 5	26 54	3 11	21 12	21 0	19 42		n.a.
T 5	18 30	11 51	3 24	19 8	1 41	14 12	1 22	12 28	1 42	19 36	0 54	22 37	0 37	11 4	0 23	15 27	1 5	26 54	3 11	21 12	20 59	19 41		n.a.
W 6	18 14	15 44	2 27	18 33	1 38	13 46	1 21	12 38	1 41	19 33	0 54	22 36	0 37	11 4	0 23	15 26	1 5	26 54	3 11	21 11	20 58	19 39		n.a.
T 7	17 59	18 55	1 20	17 57	1 35	13 19	1 20	12 49	1 41	19 30	0 54	22 35	0 37	11 5	0 23	15 26	1 5	26 54	3 11	21 11	20 58	19 38		n.a.
F 8	17 43	21 4	0 6	17 21	1 31	12 51	1 19	12 59	1 40	19 26	0 54	22 34	0 37	11 5	0 23	15 25	1 5	26 54	3 11	21 11	20 57	19 37		n.a.
S 9	17 26	21 56	1s 9	16 43	1 27	12 24	1 18	13 10	1 40	19 23	0 54	22 32	0 37	11 6	0 23	15 24	1 5	26 54	3 11	21 11	20 56	19 35		n.a.
S 10	17 10	21 21	2 22	16 4	1 23	11 56	1 17	13 20	1 39	19 20	0 54	22 31	0 37	11 6	0 23	15 24	1 5	26 54	3 11	21 11	20 56	19 34		n.a.
M11	16 53	19 15	3 26	15 25	1 18	11 28	1 16	13 30	1 38	19 16	0 55	22 30	0 37	11 7	0 23	15 23	1 5	26 54	3 11	21 10	20 55	19 33		n.a.
T 12	16 36	15 50	4 17	14 45	1 13	10 59	1 14	13 40	1 38	19 13	0 55	22 29	0 37	11 8	0 23	15 22	1 5	26 54	3 11	21 8	20 55	19 31		n.a.
W13	16 18	11 23	4 49	14 5	1 7	10 30	1 13	13 49	1 37	19 9	0 55	22 28	0 37	11 8	0 23	15 21	1 5	26 54	3 11	21 7	20 54	19 30		n.a.
T 14	16 1	6 17	5 2	13 24	1 2	10 1	1 12	13 59	1 36	19 6	0 55	22 27	0 38	11 9	0 23	15 21	1 5	26 54	3 11	21 4	20 53	19 28		n.a.
F 15	15 43	0 56	4 54	12 43	0 56	9 32	1 10	14 9	1 35	19 3	0 55	22 26	0 38	11 9	0 23	15 20	1 5	26 55	3 11	21 2	20 53	19 27		n.a.
S 16	15 24	4s19	4 28	12 1	0 50	9 2	1 9	14 18	1 35	18 59	0 55	22 25	0 38	11 10	0 23	15 19	1 5	26 55	3 11	21 1	20 52	19 26		n.a.
S 17	15 6	9 10	3 47	11 20	0 44	8 32	1 7	14 27	1 34	18 56	0 55	22 24	0 38	11 11	0 23	15 19	1 5	26 55	3 11	20 59	20 51	19 24		n.a.
M18	14 47	13 26	2 56	10 38	0 37	8 2	1 5	14 36	1 33	18 52	0 55	22 23	0 38	11 11	0 23	15 18	1 5	26 55	3 11	20 59	20 51	19 23		n.a.
T 19	14 28	16 55	1 57	9 55	0 31	7 32	1 4	14 45	1 32	18 49	0 55	22 22	0 38	11 12	0 23	15 17	1 5	26 55	3 11	20 58	20 50	19 22		n.a.
W20	14 9	19 31	0 54	9 13	0 24	7 1	1 2	14 54	1 32	18 45	0 55	22 21	0 38	11 13	0 23	15 16	1 5	26 55	3 11	20 58	20 50	19 20		n.a.
T 21	13 50	21 10	0n11	8 30	0 17	6 30	1 0	15 2	1 31	18 42	0 55	22 19	0 38	11 14	0 23	15 16	1 5	26 55	3 11	20 58	20 49	19 19		n.a.
F 22	13 30	21 50	1 13	7 48	0 10	5 59	0 58	15 10	1 30	18 39	0 56	22 18	0 38	11 14	0 23	15 15	1 5	26 55	3 11	20 58	20 48	19 17		n.a.
S 23	13 10	21 31	2 12	7 6	0 3	5 28	0 56	15 19	1 29	18 35	0 56	22 17	0 39	11 15	0 23	15 14	1 5	26 55	3 12	20 58	20 48	19 16		n.a.
S 24	12 50	20 14	3 5	6 23	0s 5	4 57	0 54	15 27	1 28	18 32	0 56	22 16	0 39	11 16	0 23	15 13	1 5	26 55	3 12	20 57	20 47	19 15		n.a.
M25	12 29	18 5	3 50	5 41	0 12	4 26	0 52	15 35	1 27	18 28	0 56	22 15	0 39	11 17	0 23	15 13	1 5	26 55	3 12	20 55	20 46	19 13		n.a.
T 26	12 9	15 9	4 25	4 58	0 19	3 54	0 50	15 43	1 26	18 25	0 56	22 14	0 39	11 17	0 23	15 12	1 5	26 55	3 12	20 53	20 46	19 12		n.a.
W27	11 48	11 34	4 48	4 16	0 27	3 23	0 48	15 50	1 25	18 21	0 56	22 13	0 39	11 18	0 23	15 11	1 5	26 55	3 12	20 51	20 45	19 10		n.a.
T 28	11 27	7 28	4 59	3 34	0 34	2 51	0 45	15 58	1 24	18 18	0 56	22 12	0 39	11 19	0 23	15 11	1 5	26 55	3 12	20 48	20 44	19 9		n.a.
F 29	11 6	3 1	4 56	2 53	0 42	2 19	0 43	16 5	1 23	18 14	0 56	22 11	0 39	11 20	0 23	15 10	1 5	26 55	3 12	20 45	20 44	19 8		n.a.
S 30	10 45	1n38	4 38	2 11	0 49	1 48	0 41	16 13	1 22	18 11	0 56	22 10	0 39	11 21	0 23	15 9	1 5	26 55	3 12	20 42	20 43	19 6		n.a.
S 31	10n23	6n16	4n 7	1n30	0s57	1n16	0n39	16n20	1s21	18n 7	0n57	22n 9	0n40	11s22	0n23	15n 8	1n 5	26s55	3s12	20s40	20s42	19s 5		n.a.

Julian Day Number = 1647124.5, Delta T = 03h33m06s
Ecliptic obliquity = 23°43'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'38, Lahiri = - 6°45'37 Julian Calendar 1 Aug. 204 BCE == Greg. Calendar 28 July 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

SEPTEMBER 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 25 29	4♍21'20	19♈ 7	25♍29	29♍33	19♉12	12♌50	24♋27	0♏21	22♌43	29°R29	1°R12	1♐28	16♑35	n.a.	M 1
T 2	22 29 25	5°20'28	2♉14	26°53	0♎47	19°33	13° 3	24°34	0°24	22°46	29♐28	1♐ 8	1°25	16°41	n.a.	T 2
W 3	22 33 22	6°19'38	15°34	28°15	2° 1	19°54	13°15	24°40	0°26	22°48	29°28	1° 5	1°22	16°48	n.a.	W 3
T 4	22 37 18	7°18'52	29° 8	29°36	3°15	20°14	13°28	24°47	0°29	22°50	29°28	1° 5	1°19	16°55	n.a.	T 4
F 5	22 41 15	8°18'07	12♊57	0♎56	4°29	20°33	13°40	24°53	0°31	22°52	29°27	1° 5	1°16	17° 1	n.a.	F 5
S 6	22 45 11	9°17'25	27° 2	2°15	5°43	20°52	13°52	24°59	0°34	22°54	29°27	1° 4	1°13	17° 8	n.a.	S 6
S 7	22 49 8	10°16'46	11♋23	3°32	6°57	21°11	14° 5	25° 5	0°37	22°56	29°27	1° 1	1° 9	17°15	n.a.	S 7
M 8	22 53 4	11°16'09	25°58	4°48	8°11	21°29	14°17	25°11	0°39	22°59	29°26	0°56	1° 6	17°21	n.a.	M 8
T 9	22 57 1	12°15'34	10♌41	6° 3	9°24	21°46	14°29	25°17	0°42	23° 1	29°26	0°48	1° 3	17°28	n.a.	T 9
W10	23 0 58	13°15'02	25°26	7°16	10°38	22° 3	14°42	25°23	0°45	23° 3	29°26	0°37	1° 0	17°35	n.a.	W10
T 11	23 4 54	14°14'31	10♍ 5	8°27	11°52	22°19	14°54	25°29	0°48	23° 5	29°26	0°26	0°57	17°41	n.a.	T 11
F 12	23 8 51	15°14'03	24°31	9°37	13° 6	22°35	15° 6	25°35	0°51	23° 7	29°26	0°14	0°53	17°48	n.a.	F 12
S 13	23 12 47	16°13'37	8♎36	10°45	14°20	22°49	15°18	25°41	0°53	23° 9	29°26	0° 5	0°50	17°55	n.a.	S 13
S 14	23 16 44	17°13'13	22°16	11°51	15°34	23° 4	15°30	25°47	0°56	23°11	29°26	29♏57	0°47	18° 1	n.a.	S 14
M15	23 20 40	18°12'51	5♏30	12°54	16°47	23°18	15°42	25°52	0°59	23°13	29°26	29°52	0°44	18° 8	n.a.	M15
T 16	23 24 37	19°12'31	18°19	13°55	18° 1	23°31	15°54	25°58	1° 2	23°15	29°D25	29°49	0°41	18°15	n.a.	T 16
W17	23 28 33	20°12'13	0♐46	14°53	19°15	23°43	16° 6	26° 4	1° 5	23°17	29°26	29°D49	0°38	18°22	n.a.	W17
T 18	23 32 30	21°11'57	12°57	15°48	20°29	23°55	16°18	26° 9	1° 8	23°19	29°26	29°49	0°34	18°28	n.a.	T 18
F 19	23 36 27	22°11'42	24°54	16°40	21°42	24° 6	16°29	26°14	1°11	23°21	29°26	29°R49	0°31	18°35	n.a.	F 19
S 20	23 40 23	23°11'29	6♑46	17°28	22°56	24°16	16°41	26°20	1°14	23°23	29°26	29°48	0°28	18°42	n.a.	S 20
S 21	23 44 20	24°11'19	18°35	18°12	24°10	24°26	16°53	26°25	1°18	23°25	29°26	29°45	0°25	18°48	n.a.	S 21
M22	23 48 16	25°11'10	0♒28	18°52	25°23	24°35	17° 4	26°30	1°21	23°27	29°26	29°40	0°22	18°55	n.a.	M22
T 23	23 52 13	26°11'02	12°29	19°27	26°37	24°43	17°16	26°35	1°24	23°29	29°26	29°32	0°18	19° 2	n.a.	T 23
W24	23 56 9	27°10'57	24°40	19°56	27°50	24°50	17°27	26°40	1°27	23°31	29°26	29°22	0°15	19° 8	n.a.	W24
T 25	0 0 6	28°10'53	7♓ 5	20°20	29° 4	24°57	17°39	26°45	1°30	23°33	29°27	29°11	0°12	19°15	n.a.	T 25
F 26	0 4 2	29°10'51	19°43	20°37	0♏18	25° 3	17°50	26°50	1°34	23°35	29°27	28°59	0° 9	19°22	n.a.	F 26
S 27	0 7 59	0♎10'52	2♈35	20°47	1°31	25° 8	18° 1	26°55	1°37	23°37	29°27	28°49	0° 6	19°28	n.a.	S 27
S 28	0 11 55	1°10'54	15°40	20°R49	2°45	25°12	18°12	27° 0	1°40	23°39	29°28	28°40	0° 3	19°35	n.a.	S 28
M29	0 15 52	2°10'58	28°58	20°43	3°58	25°16	18°23	27° 4	1°44	23°41	29°28	28°34	29♏59	19°42	n.a.	M29
T 30	0 19 49	3♎11'05	12♉26	20♎28	5♏12	25♉19	18♌34	27♋ 9	1♏47	23♌43	29♐28	28♏30	29♏56	19♑49	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n 2	10n41	3n22	0n50	1s 4	0n44	0n36	16n27	1s20	18n 4	0n57	22n 8	0n40	11s22	0n23	15n 8	1n 5	26s55	3s12	20s38	20s42	19s 3		n.a.
T 2	9 40	14 40	2 26	0 9	1 12	0 12	0 34	16 33	1 19	18 0	0 57	22 7	0 40	11 23	0 23	15 7	1 5	26 55	3 12	20 37	20 41	19 2		n.a.
W 3	9 18	17 59	1 21	0s30	1 19	0s20	0 31	16 40	1 18	17 57	0 57	22 6	0 40	11 24	0 23	15 6	1 5	26 55	3 12	20 37	20 40	19 0		n.a.
T 4	8 55	20 22	0 10	1 10	1 27	0 52	0 29	16 47	1 17	17 53	0 57	22 5	0 40	11 25	0 23	15 6	1 5	26 55	3 12	20 37	20 40	18 59		n.a.
F 5	8 33	21 35	1s 2	1 49	1 34	1 24	0 26	16 53	1 16	17 50	0 57	22 4	0 40	11 26	0 23	15 5	1 5	26 55	3 12	20 37	20 39	18 58		n.a.
S 6	8 11	21 28	2 13	2 27	1 41	1 56	0 24	16 59	1 15	17 46	0 57	22 3	0 40	11 27	0 23	15 4	1 5	26 55	3 12	20 37	20 38	18 56		n.a.
S 7	7 48	19 58	3 16	3 5	1 49	2 28	0 21	17 5	1 13	17 43	0 57	22 2	0 40	11 28	0 23	15 3	1 5	26 55	3 12	20 36	20 38	18 55		n.a.
M 8	7 25	17 9	4 7	3 42	1 56	3 0	0 18	17 11	1 12	17 39	0 57	22 1	0 41	11 29	0 23	15 3	1 5	26 55	3 12	20 35	20 37	18 53		n.a.
T 9	7 2	13 13	4 43	4 18	2 3	3 32	0 16	17 17	1 11	17 36	0 58	22 0	0 41	11 30	0 22	15 2	1 5	26 55	3 12	20 33	20 37	18 52		n.a.
W10	6 39	8 29	5 0	4 54	2 9	4 4	0 13	17 22	1 9	17 32	0 58	21 59	0 41	11 31	0 22	15 1	1 5	26 55	3 12	20 31	20 36	18 50		n.a.
T 11	6 16	3 18	4 57	5 28	2 16	4 35	0 10	17 28	1 8	17 29	0 58	21 58	0 41	11 32	0 22	15 1	1 5	26 55	3 12	20 29	20 35	18 49		n.a.
F 12	5 53	2s 0	4 35	6 2	2 22	5 7	0 7	17 33	1 7	17 25	0 58	21 57	0 41	11 33	0 22	15 0	1 6	26 55	3 11	20 26	20 35	18 47		n.a.
S 13	5 30	7 4	3 56	6 34	2 28	5 39	0 4	17 38	1 5	17 22	0 58	21 56	0 41	11 34	0 22	14 59	1 6	26 55	3 11	20 24	20 34	18 46		n.a.
S 14	5 6	11 37	3 5	7 6	2 34	6 10	0 2	17 43	1 4	17 18	0 58	21 55	0 41	11 35	0 22	14 59	1 6	26 55	3 11	20 23	20 33	18 44		n.a.
M15	4 43	15 28	2 5	7 36	2 40	6 41	0s 1	17 48	1 3	17 15	0 58	21 54	0 42	11 36	0 22	14 58	1 6	26 55	3 11	20 21	20 33	18 43		n.a.
T 16	4 19	18 27	1 1	8 5	2 45	7 13	0 4	17 53	1 1	17 11	0 59	21 53	0 42	11 37	0 22	14 57	1 6	26 55	3 11	20 21	20 32	18 41		n.a.
W17	3 55	20 28	0n 5	8 32	2 50	7 44	0 7	17 58	1 0	17 8	0 59	21 52	0 42	11 38	0 22	14 57	1 6	26 55	3 11	20 21	20 31	18 40		n.a.
T 18	3 32	21 28	1 9	8 58	2 54	8 14	0 10	18 2	0 58	17 4	0 59	21 51	0 42	11 39	0 22	14 56	1 6	26 54	3 11	20 21	20 31	18 38		n.a.
F 19	3 8	21 28	2 9	9 22	2 58	8 45	0 13	18 6	0 56	17 1	0 59	21 50	0 42	11 41	0 22	14 55	1 6	26 54	3 11	20 21	20 30	18 37		n.a.
S 20	2 44	20 29	3 3	9 44	3 2	9 16	0 16	18 10	0 55	16 57	0 59	21 49	0 42	11 42	0 22	14 55	1 6	26 54	3 11	20 21	20 29	18 36		n.a.
S 21	2 20	18 37	3 49	10 3	3 4	9 46	0 19	18 14	0 53	16 54	0 59	21 49	0 42	11 43	0 22	14 54	1 6	26 54	3 11	20 20	20 29	18 34		n.a.
M22	1 56	15 58	4 26	10 21	3 7	10 16	0 22	18 18	0 51	16 51	1 0	21 48	0 43	11 44	0 22	14 53	1 6	26 54	3 11	20 19	20 28	18 33		n.a.
T 23	1 32	12 37	4 50	10 35	3 8	10 46	0 25	18 22	0 50	16 47	1 0	21 47	0 43	11 45	0 22	14 53	1 6	26 54	3 11	20 17	20 27	18 31		n.a.
W24	1 8	8 42	5 3	10 47	3 9	11 15	0 27	18 25	0 48	16 44	1 0	21 46	0 43	11 46	0 22	14 52	1 6	26 54	3 11	20 15	20 26	18 30		n.a.
T 25	0 44	4 22	5 1	10 56	3 8	11 45	0 30	18 29	0 46	16 41	1 0	21 45	0 43	11 47	0 22	14 52	1 6	26 54	3 11	20 13	20 26	18 28		n.a.
F 26	0 20	0n14	4 44	11 1	3 7	12 14	0 33	18 32	0 44	16 37	1 0	21 44	0 43	11 48	0 22	14 51	1 6	26 54	3 11	20 10	20 25	18 27		n.a.
S 27	0s 4	4 54	4 13	11 3	3 4	12 42	0 36	18 35	0 43	16 34	1 0	21 44	0 43	11 50	0 22	14 50	1 6	26 54	3 11	20 8	20 24	18 25		n.a.
S 28	0 29	9 26	3 28	11 0	3 0	13 11	0 39	18 38	0 41	16 31	1 1	21 43	0 44	11 51	0 22	14 50	1 6	26 54	3 11	20 6	20 24	18 23		n.a.
M29	0 53	13 35	2 31	10 53	2 55	13 39	0 42	18 41	0 39	16 27	1 1	21 42	0 44	11 52	0 22	14 49	1 6	26 54	3 11	20 4	20 23	18 22		n.a.
T 30	1s17	17n 6	1n25	10s41	2s48	14s 7	0s45	18n43	0s37	16n24	1n 1	21n41	0n44	11s53	0n22	14n49	1n 6	26s54	3s11	20s 4	20s22	18s20		n.a.

Julian Day Number = 1647155.5, Delta T = 03h33m05s
Ecliptic obliquity = 23°43'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'33, Lahiri = - 6°45'33 Julian Calendar 1 Sept. 204 BCE == Greg. Calendar 28 Aug. 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

OCTOBER 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 23 45	4♎11'13	26♉ 3	20°R 3	6♏25	25♉21	18♌45	27♋13	1♏50	23♌44	29♐29	28°D29	29♏53	19♑55	n.a.	W 1
T 2	0 27 42	5°11'24	9♊50	19♎30	7°38	25°22	18°56	27°17	1°54	23°46	29°29	28♏29	29°50	20° 2	n.a.	T 2
F 3	0 31 38	6°11'37	23°45	18°46	8°52	25°R22	19° 7	27°22	1°57	23°48	29°30	28°30	29°47	20° 9	n.a.	F 3
S 4	0 35 35	7°11'52	7♋47	17°54	10° 5	25°21	19°18	27°26	2° 1	23°50	29°30	28°R31	29°44	20°15	n.a.	S 4
S 5	0 39 31	8°12'10	21°57	16°53	11°19	25°20	19°28	27°30	2° 4	23°51	29°31	28°30	29°40	20°22	n.a.	S 5
M 6	0 43 28	9°12'29	6♌13	15°45	12°32	25°18	19°39	27°34	2° 8	23°53	29°31	28°27	29°37	20°29	n.a.	M 6
T 7	0 47 24	10°12'51	20°31	14°31	13°45	25°14	19°49	27°38	2°11	23°55	29°32	28°22	29°34	20°35	n.a.	T 7
W 8	0 51 21	11°13'15	4♍49	13°13	14°59	25°10	19°59	27°42	2°15	23°56	29°33	28°15	29°31	20°42	n.a.	W 8
T 9	0 55 18	12°13'40	19° 1	11°54	16°12	25° 5	20°10	27°46	2°18	23°58	29°33	28° 8	29°28	20°49	n.a.	T 9
F 10	0 59 14	13°14'08	3♎ 2	10°35	17°25	24°59	20°20	27°49	2°22	24° 0	29°34	28° 0	29°24	20°55	n.a.	F 10
S 11	1 3 11	14°14'37	16°48	9°20	18°38	24°53	20°30	27°53	2°25	24° 1	29°35	27°53	29°21	21° 2	n.a.	S 11
S 12	1 7 7	15°15'08	0♏14	8°12	19°52	24°45	20°40	27°56	2°29	24° 3	29°35	27°48	29°18	21° 9	n.a.	S 12
M13	1 11 4	16°15'41	13°21	7°11	21° 5	24°37	20°50	28° 0	2°32	24° 4	29°36	27°45	29°15	21°16	n.a.	M13
T 14	1 15 0	17°16'15	26° 6	6°20	22°18	24°27	20°59	28° 3	2°36	24° 6	29°37	27°D44	29°12	21°22	n.a.	T 14
W15	1 18 57	18°16'51	8♐33	5°39	23°31	24°17	21° 9	28° 6	2°40	24° 7	29°38	27°44	29° 9	21°29	n.a.	W15
T 16	1 22 53	19°17'28	20°44	5°11	24°44	24° 6	21°19	28° 9	2°43	24° 9	29°39	27°46	29° 5	21°36	n.a.	T 16
F 17	1 26 50	20°18'07	2♑43	4°54	25°57	23°54	21°28	28°12	2°47	24°10	29°40	27°47	29° 2	21°42	n.a.	F 17
S 18	1 30 47	21°18'46	14°36	4°D48	27°10	23°41	21°37	28°15	2°51	24°12	29°40	27°49	28°59	21°49	n.a.	S 18
S 19	1 34 43	22°19'27	26°26	4°54	28°23	23°28	21°47	28°18	2°54	24°13	29°41	27°R49	28°56	21°56	n.a.	S 19
M20	1 38 40	23°20'10	8♒20	5°10	29°36	23°13	21°56	28°20	2°58	24°14	29°42	27°48	28°53	22° 2	n.a.	M20
T 21	1 42 36	24°20'53	20°22	5°36	0♐49	22°58	22° 5	28°23	3° 2	24°16	29°43	27°45	28°49	22° 9	n.a.	T 21
W22	1 46 33	25°21'38	2♓36	6°10	2° 2	22°42	22°14	28°25	3° 5	24°17	29°44	27°40	28°46	22°16	n.a.	W22
T 23	1 50 29	26°22'24	15° 6	6°52	3°15	22°25	22°22	28°28	3° 9	24°18	29°45	27°35	28°43	22°22	n.a.	T 23
F 24	1 54 26	27°23'11	27°54	7°41	4°28	22° 8	22°31	28°30	3°13	24°20	29°46	27°30	28°40	22°29	n.a.	F 24
S 25	1 58 22	28°23'59	11♈ 0	8°36	5°40	21°50	22°39	28°32	3°16	24°21	29°47	27°25	28°37	22°36	n.a.	S 25
S 26	2 2 19	29°24'49	24°25	9°37	6°53	21°31	22°48	28°34	3°20	24°22	29°49	27°21	28°34	22°43	n.a.	S 26
M27	2 6 15	0♏25'40	8♉ 7	10°42	8° 6	21°12	22°56	28°36	3°24	24°23	29°50	27°18	28°30	22°49	n.a.	M27
T 28	2 10 12	1°26'32	22° 2	11°51	9°18	20°52	23° 4	28°38	3°27	24°24	29°51	27°D17	28°27	22°56	n.a.	T 28
W29	2 14 9	2°27'26	6♊ 7	13° 3	10°31	20°32	23°12	28°40	3°31	24°25	29°52	27°17	28°24	23° 3	n.a.	W29
T 30	2 18 5	3°28'21	20°18	14°19	11°43	20°11	23°20	28°41	3°35	24°26	29°53	27°18	28°21	23° 9	n.a.	T 30
F 31	2 22 2	4♏29'18	4♋33	15♎37	12♐56	19♉50	23♌28	28♋43	3♏39	24♌27	29♐54	27♏20	28♏18	23♑16	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	1s41	19n42	0n13	10s23	2s40	14s34	0s48	18n46	0s35	16n21	1n 1	21n41	0n44	11s54	0n22	14n48	1n 6	26s54	3s11	20s 3	20s22	18s19		n.a.	W 1
T 2	2 5	21 11	1s 1	10 1	2 30	15 1	0 51	18 48	0 33	16 17	1 1	21 40	0 44	11 56	0 22	14 47	1 6	26 54	3 11	20 3	20 21	18 17		n.a.	T 2
F 3	2 29	21 23	2 12	9 33	2 18	15 28	0 54	18 50	0 31	16 14	1 1	21 39	0 44	11 57	0 22	14 47	1 6	26 54	3 11	20 4	20 20	18 16		n.a.	F 3
S 4	2 53	20 14	3 15	9 0	2 4	15 55	0 57	18 52	0 29	16 11	1 2	21 39	0 44	11 58	0 22	14 46	1 6	26 54	3 11	20 4	20 20	18 14		n.a.	S 4
S 5	3 17	17 50	4 8	8 22	1 48	16 21	1 0	18 53	0 26	16 8	1 2	21 38	0 45	11 59	0 22	14 46	1 6	26 54	3 11	20 4	20 19	18 13		n.a.	S 5
M 6	3 41	14 20	4 45	7 40	1 31	16 46	1 3	18 55	0 24	16 5	1 2	21 37	0 45	12 0	0 22	14 45	1 6	26 54	3 11	20 3	20 18	18 11		n.a.	M 6
T 7	4 5	10 0	5 5	6 53	1 12	17 11	1 5	18 56	0 22	16 1	1 2	21 37	0 45	12 2	0 22	14 45	1 6	26 54	3 11	20 2	20 18	18 10		n.a.	T 7
W 8	4 29	5 7	5 6	6 5	0 52	17 36	1 8	18 58	0 20	15 58	1 2	21 36	0 45	12 3	0 22	14 44	1 6	26 54	3 11	20 0	20 17	18 8		n.a.	W 8
T 9	4 53	0s 0	4 48	5 15	0 32	18 0	1 11	18 59	0 18	15 55	1 3	21 36	0 45	12 4	0 22	14 44	1 6	26 54	3 11	19 58	20 16	18 7		n.a.	T 9
F 10	5 17	5 4	4 13	4 24	0 11	18 24	1 14	18 59	0 15	15 52	1 3	21 35	0 45	12 5	0 22	14 43	1 6	26 54	3 11	19 57	20 16	18 5		n.a.	F 10
S 11	5 41	9 48	3 23	3 36	0n 9	18 48	1 16	19 0	0 13	15 49	1 3	21 34	0 46	12 7	0 22	14 43	1 6	26 54	3 11	19 55	20 15	18 4		n.a.	S 11
S 12	6 4	13 55	2 23	2 50	0 29	19 11	1 19	19 1	0 10	15 46	1 3	21 34	0 46	12 8	0 22	14 42	1 6	26 54	3 11	19 54	20 14	18 2		n.a.	S 12
M13	6 28	17 15	1 17	2 9	0 48	19 33	1 22	19 1	0 8	15 43	1 3	21 33	0 46	12 9	0 22	14 42	1 7	26 54	3 11	19 53	20 13	18 0		n.a.	M13
T 14	6 52	19 39	0 9	1 32	1 5	19 55	1 24	19 1	0 5	15 40	1 4	21 33	0 46	12 10	0 22	14 41	1 7	26 54	3 11	19 53	20 13	17 59		n.a.	T 14
W15	7 15	21 1	0n59	1 2	1 21	20 16	1 27	19 1	0 3	15 37	1 4	21 32	0 46	12 12	0 22	14 41	1 7	26 54	3 11	19 53	20 12	17 57		n.a.	W15
T 16	7 38	21 22	2 2	0 38	1 35	20 37	1 29	19 0	0 0	15 34	1 4	21 32	0 47	12 13	0 22	14 40	1 7	26 54	3 11	19 53	20 11	17 56		n.a.	T 16
F 17	8 1	20 42	2 59	0 20	1 47	20 57	1 32	19 0	0n 2	15 31	1 4	21 31	0 47	12 14	0 22	14 40	1 7	26 54	3 11	19 54	20 11	17 54		n.a.	F 17
S 18	8 24	19 8	3 48	0 8	1 57	21 17	1 34	18 59	0 5	15 29	1 4	21 31	0 47	12 16	0 22	14 39	1 7	26 54	3 11	19 54	20 10	17 53		n.a.	S 18
S 19	8 47	16 45	4 27	0 3	2 6	21 36	1 37	18 58	0 7	15 26	1 5	21 31	0 47	12 17	0 22	14 39	1 7	26 54	3 11	19 54	20 9	17 51		n.a.	S 19
M20	9 10	13 39	4 55	0 3	2 12	21 55	1 39	18 57	0 10	15 23	1 5	21 30	0 47	12 18	0 22	14 39	1 7	26 54	3 11	19 54	20 9	17 49		n.a.	M20
T 21	9 33	9 58	5 10	0 9	2 17	22 13	1 41	18 56	0 13	15 20	1 5	21 30	0 47	12 19	0 22	14 38	1 7	26 54	3 11	19 53	20 8	17 48		n.a.	T 21
W22	9 55	5 50	5 11	0 20	2 21	22 30	1 44	18 54	0 15	15 18	1 5	21 30	0 48	12 21	0 22	14 38	1 7	26 54	3 11	19 52	20 7	17 46		n.a.	W22
T 23	10 18	1 22	4 58	0 34	2 23	22 47	1 46	18 53	0 18	15 15	1 6	21 29	0 48	12 22	0 22	14 37	1 7	26 54	3 11	19 51	20 6	17 45		n.a.	T 23
F 24	10 40	3n16	4 30	0 53	2 24	23 3	1 48	18 51	0 21	15 12	1 6	21 29	0 48	12 23	0 22	14 37	1 7	26 54	3 11	19 50	20 6	17 43		n.a.	F 24
S 25	11 2	7 52	3 47	1 15	2 24	23 18	1 50	18 49	0 23	15 10	1 6	21 29	0 48	12 25	0 22	14 37	1 7	26 54	3 11	19 49	20 5	17 41		n.a.	S 25
S 26	11 24	12 13	2 51	1 40	2 23	23 33	1 52	18 47	0 26	15 7	1 6	21 29	0 48	12 26	0 22	14 36	1 7	26 54	3 11	19 48	20 4	17 40		n.a.	S 26
M27	11 45	16 0	1 43	2 8	2 21	23 47	1 54	18 44	0 29	15 4	1 6	21 28	0 48	12 27	0 22	14 36	1 7	26 54	3 11	19 47	20 4	17 38		n.a.	M27
T 28	12 7	18 57	0 29	2 38	2 18	24 1	1 56	18 41	0 32	15 2	1 7	21 28	0 49	12 28	0 22	14 36	1 7	26 54	3 11	19 47	20 3	17 37		n.a.	T 28
W29	12 28	20 47	0s48	3 9	2 15	24 14	1 58	18 39	0 34	15 0	1 7	21 28	0 49	12 30	0 22	14 35	1 7	26 54	3 11	19 47	20 2	17 35		n.a.	W29
T 30	12 49	21 19	2 3	3 42	2 11	24 26	2 0	18 36	0 37	14 57	1 7	21 28	0 49	12 31	0 22	14 35	1 7	26 54	3 11	19 47	20 1	17 33		n.a.	T 30
F 31	13s10	20n27	3s11	4s17	2n 6	24s37	2s 1	18n32	0n40	14n55	1n 7	21n28	0n49	12s32	0n22	14n35	1n 7	26s54	3s11	19s48	20s 1	17s32		n.a.	F 31

Julian Day Number = 1647185.5, Delta T = 03h33m04s
Ecliptic obliquity = 23°43'07, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'29, Lahiri = - 6°45'29 Julian Calendar 1 Oct. 204 BCE == Greg. Calendar 27 Sept. 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

NOVEMBER 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 25 58	5♏30'16	18♋47	16♎57	14♐ 8	19°R28	23♌36	28♋44	3♏42	24♌28	29♐56	27♏21	28♏15	23♑23	n.a.	S 1
S 2	2 29 55	6°31'15	2♌59	18°19	15°21	19♉ 5	23°43	28°45	3°46	24°29	29°57	27°R22	28°11	23°29	n.a.	S 2
M 3	2 33 51	7°32'16	17° 7	19°43	16°33	18°43	23°51	28°46	3°50	24°30	29°58	27°22	28° 8	23°36	n.a.	M 3
T 4	2 37 48	8°33'18	1♍ 8	21° 8	17°45	18°20	23°58	28°48	3°53	24°31	29°59	27°20	28° 5	23°43	n.a.	T 4
W 5	2 41 44	9°34'21	15° 2	22°34	18°58	17°57	24° 5	28°48	3°57	24°32	0♑ 1	27°19	28° 2	23°50	n.a.	W 5
T 6	2 45 41	10°35'26	28°45	24° 1	20°10	17°33	24°12	28°49	4° 1	24°33	0° 2	27°16	27°59	23°56	n.a.	T 6
F 7	2 49 38	11°36'31	12♎17	25°29	21°22	17°10	24°19	28°50	4° 5	24°34	0° 4	27°14	27°55	24° 3	n.a.	F 7
S 8	2 53 34	12°37'38	25°36	26°58	22°34	16°46	24°25	28°51	4° 8	24°35	0° 5	27°12	27°52	24°10	n.a.	S 8
S 9	2 57 31	13°38'46	8♏41	28°27	23°46	16°23	24°32	28°51	4°12	24°35	0° 7	27°10	27°49	24°16	n.a.	S 9
M10	3 1 27	14°39'54	21°31	29°57	24°58	15°59	24°38	28°51	4°16	24°36	0° 8	27°D10	27°46	24°23	n.a.	M10
T 11	3 5 24	15°41'04	4♐ 5	1♏27	26°10	15°36	24°44	28°52	4°19	24°37	0° 9	27°10	27°43	24°30	n.a.	T 11
W12	3 9 20	16°42'14	16°26	2°58	27°21	15°12	24°50	28°52	4°23	24°37	0°11	27°10	27°40	24°36	n.a.	W12
T 13	3 13 17	17°43'25	28°34	4°29	28°33	14°49	24°56	28°R52	4°27	24°38	0°12	27°11	27°36	24°43	n.a.	T 13
F 14	3 17 14	18°44'36	10♑33	6° 0	29°45	14°26	25° 2	28°52	4°30	24°38	0°14	27°12	27°33	24°50	n.a.	F 14
S 15	3 21 10	19°45'47	22°25	7°32	0♑56	14° 3	25° 8	28°52	4°34	24°39	0°16	27°13	27°30	24°57	n.a.	S 15
S 16	3 25 7	20°46'59	4♒16	9° 3	2° 8	13°40	25°13	28°51	4°37	24°40	0°17	27°14	27°27	25° 3	n.a.	S 16
M17	3 29 3	21°48'12	16° 9	10°35	3°19	13°18	25°18	28°51	4°41	24°40	0°19	27°14	27°24	25°10	n.a.	M17
T 18	3 33 0	22°49'24	28° 9	12° 7	4°31	12°56	25°23	28°50	4°45	24°40	0°20	27°R14	27°21	25°17	n.a.	T 18
W19	3 36 56	23°50'37	10♓21	13°40	5°42	12°35	25°28	28°50	4°48	24°41	0°22	27°14	27°17	25°23	n.a.	W19
T 20	3 40 53	24°51'50	22°49	15°12	6°53	12°14	25°33	28°49	4°52	24°41	0°23	27°13	27°14	25°30	n.a.	T 20
F 21	3 44 49	25°53'02	5♈37	16°45	8° 4	11°54	25°38	28°48	4°55	24°42	0°25	27°13	27°11	25°37	n.a.	F 21
S 22	3 48 46	26°54'16	18°49	18°18	9°15	11°34	25°42	28°47	4°59	24°42	0°27	27°D13	27° 8	25°43	n.a.	S 22
S 23	3 52 43	27°55'29	2♉23	19°51	10°26	11°15	25°46	28°46	5° 2	24°42	0°28	27°13	27° 5	25°50	n.a.	S 23
M24	3 56 39	28°56'42	16°21	21°24	11°37	10°56	25°50	28°45	5° 6	24°42	0°30	27°13	27° 1	25°57	n.a.	M24
T 25	4 0 36	29°57'56	0♊39	22°58	12°47	10°38	25°54	28°44	5° 9	24°43	0°32	27°R13	26°58	26° 4	n.a.	T 25
W26	4 4 32	0♐59'10	15°11	24°31	13°58	10°21	25°58	28°42	5°13	24°43	0°34	27°13	26°55	26°10	n.a.	W26
T 27	4 8 29	2° 0'24	29°53	26° 5	15° 8	10° 5	26° 2	28°41	5°16	24°43	0°35	27°13	26°52	26°17	n.a.	T 27
F 28	4 12 25	3° 1'39	14♋36	27°40	16°18	9°49	26° 5	28°39	5°20	24°43	0°37	27°12	26°49	26°24	n.a.	F 28
S 29	4 16 22	4° 2'54	29°15	29°14	17°29	9°34	26° 8	28°38	5°23	24°43	0°39	27°11	26°46	26°30	n.a.	S 29
S 30	4 20 18	5♐ 4'09	13♌44	0♐49	18♑39	9♉19	26♌11	28♋36	5♏26	24°R43	0♑41	27♏11	26♏42	26♑37	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s31	18n19	4s 7	4s52	2n 1	24s48	2s 3	18n29	0n43	14n52	1n 8	21n28	0n49	12s34	0n22	14n34	1n 7	26s54	3s11	19s48	20s 0	17s30		n.a.
S 2	13 51	15 3	4 47	5 29	1 56	24 58	2 4	18 25	0 45	14 50	1 8	21 27	0 50	12 35	0 22	14 34	1 7	26 54	3 11	19 48	19 59	17 29		n.a.
M 3	14 11	10 57	5 10	6 6	1 50	25 7	2 6	18 22	0 48	14 48	1 8	21 27	0 50	12 36	0 22	14 34	1 7	26 54	3 11	19 48	19 59	17 27		n.a.
T 4	14 31	6 18	5 15	6 44	1 44	25 15	2 7	18 18	0 51	14 46	1 8	21 27	0 50	12 37	0 22	14 34	1 7	26 54	3 11	19 48	19 58	17 25		n.a.
W 5	14 51	1 21	5 1	7 22	1 38	25 23	2 8	18 14	0 53	14 44	1 9	21 27	0 50	12 39	0 22	14 33	1 8	26 54	3 11	19 47	19 57	17 24		n.a.
T 6	15 10	3s36	4 29	8 0	1 32	25 30	2 10	18 10	0 56	14 41	1 9	21 27	0 50	12 40	0 22	14 33	1 8	26 54	3 11	19 47	19 56	17 22		n.a.
F 7	15 30	8 20	3 43	8 39	1 25	25 36	2 11	18 6	0 59	14 39	1 9	21 27	0 50	12 41	0 22	14 33	1 8	26 54	3 11	19 46	19 56	17 20		n.a.
S 8	15 48	12 35	2 46	9 17	1 19	25 42	2 12	18 1	1 1	14 37	1 9	21 27	0 51	12 42	0 22	14 33	1 8	26 54	3 11	19 46	19 55	17 19		n.a.
S 9	16 7	16 9	1 41	9 56	1 12	25 47	2 13	17 57	1 4	14 35	1 10	21 27	0 51	12 44	0 22	14 32	1 8	26 54	3 11	19 45	19 54	17 17		n.a.
M10	16 26	18 51	0 31	10 34	1 5	25 51	2 14	17 52	1 6	14 34	1 10	21 28	0 51	12 45	0 22	14 32	1 8	26 54	3 11	19 45	19 54	17 16		n.a.
T 11	16 44	20 35	0n38	11 13	0 58	25 54	2 14	17 48	1 9	14 32	1 10	21 28	0 51	12 46	0 22	14 32	1 8	26 55	3 11	19 45	19 53	17 14		n.a.
W12	17 1	21 17	1 45	11 51	0 51	25 57	2 15	17 43	1 11	14 30	1 10	21 28	0 51	12 47	0 22	14 32	1 8	26 55	3 11	19 45	19 52	17 12		n.a.
T 13	17 19	20 57	2 46	12 28	0 44	25 58	2 16	17 38	1 14	14 28	1 11	21 28	0 52	12 49	0 22	14 32	1 8	26 55	3 11	19 46	19 51	17 11		n.a.
F 14	17 36	19 40	3 38	13 6	0 37	25 59	2 16	17 34	1 16	14 26	1 11	21 28	0 52	12 50	0 22	14 32	1 8	26 55	3 11	19 46	19 51	17 9		n.a.
S 15	17 53	17 32	4 21	13 43	0 30	25 59	2 17	17 29	1 18	14 25	1 11	21 28	0 52	12 51	0 22	14 31	1 8	26 55	3 11	19 46	19 50	17 7		n.a.
S 16	18 9	14 41	4 52	14 19	0 23	25 59	2 17	17 24	1 21	14 23	1 12	21 29	0 52	12 52	0 22	14 31	1 8	26 55	3 12	19 46	19 49	17 6		n.a.
M17	18 26	11 14	5 12	14 55	0 16	25 58	2 17	17 20	1 23	14 22	1 12	21 29	0 52	12 54	0 22	14 31	1 8	26 55	3 12	19 46	19 48	17 4		n.a.
T 18	18 42	7 18	5 17	15 30	0 9	25 55	2 17	17 15	1 25	14 20	1 12	21 29	0 53	12 55	0 22	14 31	1 8	26 55	3 12	19 46	19 48	17 2		n.a.
W19	18 57	3 1	5 9	16 5	0 2	25 53	2 17	17 10	1 27	14 19	1 12	21 30	0 53	12 56	0 22	14 31	1 8	26 55	3 12	19 46	19 47	17 1		n.a.
T 20	19 12	1n30	4 46	16 39	0s 5	25 49	2 17	17 6	1 29	14 17	1 13	21 30	0 53	12 57	0 22	14 31	1 8	26 55	3 12	19 46	19 46	16 59		n.a.
F 21	19 27	6 4	4 9	17 13	0 11	25 45	2 17	17 1	1 31	14 16	1 13	21 30	0 53	12 58	0 22	14 31	1 8	26 55	3 12	19 46	19 45	16 57		n.a.
S 22	19 42	10 29	3 18	17 46	0 18	25 40	2 16	16 57	1 33	14 15	1 13	21 31	0 53	13 0	0 22	14 31	1 8	26 55	3 12	19 46	19 45	16 56		n.a.
S 23	19 56	14 32	2 14	18 18	0 24	25 34	2 16	16 53	1 35	14 14	1 14	21 31	0 53	13 1	0 22	14 31	1 8	26 55	3 12	19 46	19 44	16 54		n.a.
M24	20 9	17 53	1 0	18 49	0 31	25 27	2 16	16 49	1 37	14 13	1 14	21 31	0 54	13 2	0 22	14 31	1 8	26 55	3 12	19 46	19 43	16 52		n.a.
T 25	20 23	20 13	0s19	19 20	0 37	25 20	2 15	16 45	1 38	14 12	1 14	21 32	0 54	13 3	0 22	14 31	1 8	26 55	3 12	19 46	19 43	16 51		n.a.
W26	20 36	21 16	1 38	19 49	0 43	25 12	2 14	16 41	1 40	14 11	1 14	21 32	0 54	13 4	0 22	14 31	1 9	26 55	3 12	19 46	19 42	16 49		n.a.
T 27	20 48	20 51	2 52	20 18	0 49	25 3	2 13	16 37	1 42	14 10	1 15	21 33	0 54	13 6	0 22	14 31	1 9	26 55	3 12	19 46	19 41	16 47		n.a.
F 28	21 0	19 2	3 54	20 46	0 55	24 54	2 12	16 33	1 43	14 9	1 15	21 33	0 54	13 7	0 22	14 31	1 9	26 55	3 12	19 46	19 40	16 46		n.a.
S 29	21 12	15 58	4 40	21 13	1 1	24 44	2 11	16 30	1 45	14 8	1 15	21 34	0 55	13 8	0 22	14 31	1 9	26 55	3 12	19 46	19 40	16 44		n.a.
S 30	21s24	11n58	5s 9	21s39	1s 7	24s33	2s10	16n26	1n46	14n 7	1n16	21n34	0n55	13s 9	0n22	14n31	1n 9	26s55	3s12	19s45	19s39	16s42		n.a.

Julian Day Number = 1647216.5, Delta T = 03h33m03s
Ecliptic obliquity = 23°43'07, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'25, Lahiri = - 6°45'25 Julian Calendar 1 Nov. 204 BCE == Greg. Calendar 28 Oct. 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 204 BCE
geocentric

DECEMBER 204 BCE (-203) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 24 15	6♐ 5'24	27♌58	2♐24	19♉49	9°R 6	26♌14	28°R34	5♏30	24°R43	0♉42	27°R10	26♏39	26♉44	n.a.	M 1
T 2	4 28 12	7° 6'40	11♍56	4° 0	20°58	8♊53	26°17	28♋32	5°33	24♌43	0°44	27°D10	26°36	26°51	n.a.	T 2
W 3	4 32 8	8° 7'55	25°37	5°35	22° 8	8°41	26°19	28°30	5°36	24°43	0°46	27♏11	26°33	26°57	n.a.	W 3
T 4	4 36 5	9° 9'11	9♎ 1	7°12	23°17	8°29	26°21	28°27	5°40	24°43	0°48	27°12	26°30	27° 4	n.a.	T 4
F 5	4 40 1	10°10'27	22°10	8°48	24°27	8°19	26°24	28°25	5°43	24°43	0°50	27°13	26°27	27°11	n.a.	F 5
S 6	4 43 58	11°11'44	5♏ 4	10°25	25°36	8° 9	26°25	28°23	5°46	24°42	0°51	27°14	26°23	27°17	n.a.	S 6
S 7	4 47 54	12°13'00	17°46	12° 2	26°45	8° 0	26°27	28°20	5°49	24°42	0°53	27°15	26°20	27°24	n.a.	S 7
M 8	4 51 51	13°14'16	0♐16	13°40	27°54	7°52	26°29	28°18	5°52	24°42	0°55	27°R15	26°17	27°31	n.a.	M 8
T 9	4 55 47	14°15'32	12°35	15°18	29° 3	7°45	26°30	28°15	5°56	24°42	0°57	27°14	26°14	27°37	n.a.	T 9
W10	4 59 44	15°16'47	24°45	16°56	0♒11	7°39	26°31	28°12	5°59	24°41	0°59	27°13	26°11	27°44	n.a.	W10
T 11	5 3 41	16°18'02	6♉47	18°35	1°20	7°33	26°32	28° 9	6° 2	24°41	1° 1	27°10	26° 7	27°51	n.a.	T 11
F 12	5 7 37	17°19'16	18°43	20°15	2°28	7°28	26°33	28° 6	6° 5	24°41	1° 3	27° 7	26° 4	27°58	n.a.	F 12
S 13	5 11 34	18°20'30	0♒35	21°54	3°36	7°25	26°33	28° 3	6° 8	24°40	1° 5	27° 3	26° 1	28° 4	n.a.	S 13
S 14	5 15 30	19°21'43	12°25	23°34	4°44	7°21	26°34	28° 0	6°11	24°40	1° 6	26°59	25°58	28°11	n.a.	S 14
M15	5 19 27	20°22'56	24°17	25°15	5°52	7°19	26°R34	27°57	6°14	24°39	1° 8	26°56	25°55	28°18	n.a.	M15
T 16	5 23 23	21°24'07	6♓15	26°56	6°59	7°18	26°34	27°53	6°17	24°39	1°10	26°54	25°52	28°24	n.a.	T 16
W17	5 27 20	22°25'18	18°23	28°38	8° 6	7°D17	26°34	27°50	6°19	24°38	1°12	26°D53	25°48	28°31	n.a.	W17
T 18	5 31 17	23°26'27	0♈46	0♉19	9°13	7°17	26°33	27°46	6°22	24°38	1°14	26°53	25°45	28°38	n.a.	T 18
F 19	5 35 13	24°27'36	13°28	2° 1	10°20	7°18	26°33	27°43	6°25	24°37	1°16	26°54	25°42	28°45	n.a.	F 19
S 20	5 39 10	25°28'44	26°34	3°44	11°27	7°19	26°32	27°39	6°28	24°36	1°18	26°56	25°39	28°51	n.a.	S 20
S 21	5 43 6	26°29'50	10♉ 5	5°26	12°33	7°22	26°31	27°35	6°31	24°36	1°20	26°58	25°36	28°58	n.a.	S 21
M22	5 47 3	27°30'56	24° 5	7° 9	13°39	7°25	26°30	27°32	6°33	24°35	1°22	26°R58	25°32	29° 5	n.a.	M22
T 23	5 50 59	28°32'01	8♊31	8°52	14°45	7°29	26°29	27°28	6°36	24°34	1°24	26°58	25°29	29°11	n.a.	T 23
W24	5 54 56	29°33'04	23°19	10°35	15°50	7°33	26°27	27°24	6°38	24°33	1°26	26°56	25°26	29°18	n.a.	W24
T 25	5 58 52	0♋34'07	8♋22	12°17	16°55	7°38	26°25	27°20	6°41	24°33	1°28	26°52	25°23	29°25	n.a.	T 25
F 26	6 2 49	1°35'09	23°32	13°59	18° 0	7°44	26°23	27°16	6°44	24°32	1°30	26°47	25°20	29°32	n.a.	F 26
S 27	6 6 46	2°36'10	8♌38	15°41	19° 5	7°51	26°21	27°12	6°46	24°31	1°32	26°42	25°17	29°38	n.a.	S 27
S 28	6 10 42	3°37'10	23°30	17°22	20° 9	7°58	26°19	27° 7	6°49	24°30	1°33	26°37	25°13	29°45	n.a.	S 28
M29	6 14 39	4°38'09	8♍ 2	19° 1	21°13	8° 6	26°16	27° 3	6°51	24°29	1°35	26°32	25°10	29°52	n.a.	M29
T 30	6 18 35	5°39'07	22°10	20°40	22°17	8°14	26°14	26°59	6°53	24°28	1°37	26°30	25° 7	29°58	n.a.	T 30
W31	6 22 32	6♉40'05	5♎53	22♉16	23♒21	8♊23	26♌11	26♋55	6♏56	24♌27	1♉39	26°D29	25♏ 4	0♒ 5	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s35	7n22	5s17	22s 4	1s12	24s21	2s 9	16n23	1n47	14n 6	1n16	21n35	0n55	13s10	0n22	14n31	1n 9	26s55	3s12	19s45	19s38	16s40		n.a.
T 2	21 45	2 27	5 7	22 27	1 17	24 9	2 7	16 20	1 49	14 6	1 16	21 36	0 55	13 11	0 22	14 31	1 9	26 55	3 12	19 45	19 37	16 39		n.a.
W 3	21 55	2s30	4 39	22 50	1 22	23 56	2 6	16 18	1 50	14 5	1 17	21 36	0 55	13 12	0 22	14 31	1 9	26 55	3 12	19 45	19 37	16 37		n.a.
T 4	22 5	7 14	3 57	23 12	1 27	23 43	2 4	16 15	1 51	14 5	1 17	21 37	0 56	13 13	0 22	14 31	1 9	26 55	3 12	19 46	19 36	16 35		n.a.
F 5	22 14	11 33	3 2	23 32	1 32	23 29	2 2	16 13	1 52	14 4	1 17	21 38	0 56	13 14	0 22	14 31	1 9	26 55	3 12	19 46	19 35	16 34		n.a.
S 6	22 23	15 14	2 0	23 51	1 36	23 14	2 0	16 10	1 53	14 4	1 17	21 38	0 56	13 16	0 22	14 31	1 9	26 55	3 12	19 46	19 34	16 32		n.a.
S 7	22 31	18 10	0 52	24 9	1 40	22 59	1 58	16 9	1 54	14 4	1 18	21 39	0 56	13 17	0 22	14 31	1 9	26 55	3 12	19 46	19 34	16 30		n.a.
M 8	22 39	20 10	0n17	24 25	1 44	22 43	1 56	16 7	1 55	14 3	1 18	21 40	0 56	13 18	0 22	14 32	1 9	26 55	3 12	19 46	19 33	16 29		n.a.
T 9	22 47	21 11	1 24	24 40	1 47	22 26	1 54	16 5	1 56	14 3	1 18	21 40	0 56	13 19	0 22	14 32	1 9	26 55	3 12	19 46	19 32	16 27		n.a.
W10	22 54	21 11	2 26	24 54	1 51	22 9	1 51	16 4	1 57	14 3	1 19	21 41	0 57	13 20	0 22	14 32	1 9	26 55	3 12	19 46	19 31	16 25		n.a.
T 11	23 0	20 12	3 21	25 6	1 53	21 52	1 49	16 3	1 58	14 3	1 19	21 42	0 57	13 21	0 22	14 32	1 9	26 55	3 13	19 45	19 31	16 23		n.a.
F 12	23 6	18 19	4 7	25 17	1 56	21 33	1 46	16 2	1 59	14 3	1 19	21 43	0 57	13 22	0 22	14 32	1 9	26 55	3 13	19 44	19 30	16 22		n.a.
S 13	23 12	15 41	4 42	25 26	1 58	21 15	1 43	16 2	2 0	14 3	1 20	21 43	0 57	13 23	0 22	14 32	1 9	26 55	3 13	19 44	19 29	16 20		n.a.
S 14	23 17	12 24	5 4	25 34	2 0	20 55	1 40	16 1	2 0	14 3	1 20	21 44	0 57	13 24	0 22	14 33	1 9	26 56	3 13	19 43	19 28	16 18		n.a.
M15	23 22	8 39	5 14	25 40	2 2	20 36	1 37	16 1	2 1	14 3	1 20	21 45	0 57	13 25	0 22	14 33	1 9	26 56	3 13	19 42	19 28	16 16		n.a.
T 16	23 26	4 31	5 10	25 44	2 3	20 15	1 34	16 1	2 2	14 4	1 20	21 46	0 58	13 26	0 22	14 33	1 10	26 56	3 13	19 42	19 27	16 15		n.a.
W17	23 30	0 10	4 53	25 46	2 4	19 55	1 31	16 1	2 2	14 4	1 21	21 47	0 58	13 27	0 22	14 33	1 10	26 56	3 13	19 41	19 26	16 13		n.a.
T 18	23 33	4n18	4 21	25 47	2 4	19 34	1 27	16 2	2 3	14 5	1 21	21 48	0 58	13 28	0 22	14 33	1 10	26 56	3 13	19 41	19 25	16 11		n.a.
F 19	23 36	8 41	3 36	25 46	2 4	19 12	1 24	16 3	2 3	14 5	1 21	21 49	0 58	13 28	0 22	14 34	1 10	26 56	3 13	19 42	19 24	16 10		n.a.
S 20	23 38	12 50	2 39	25 43	2 3	18 50	1 20	16 4	2 4	14 6	1 22	21 49	0 58	13 29	0 22	14 34	1 10	26 56	3 13	19 42	19 24	16 8		n.a.
S 21	23 40	16 27	1 31	25 38	2 2	18 27	1 16	16 5	2 4	14 6	1 22	21 50	0 58	13 30	0 22	14 34	1 10	26 56	3 13	19 42	19 23	16 6		n.a.
M22	23 42	19 16	0 16	25 31	2 0	18 5	1 12	16 6	2 5	14 7	1 22	21 51	0 59	13 31	0 22	14 34	1 10	26 56	3 13	19 43	19 22	16 4		n.a.
T 23	23 43	20 57	1s 3	25 22	1 58	17 41	1 8	16 8	2 5	14 8	1 23	21 52	0 59	13 32	0 22	14 35	1 10	26 56	3 13	19 42	19 21	16 3		n.a.
W24	23 43	21 14	2 19	25 12	1 55	17 18	1 4	16 10	2 5	14 8	1 23	21 53	0 59	13 33	0 22	14 35	1 10	26 56	3 13	19 42	19 21	16 1		n.a.
T 25	23 43	20 1	3 27	24 59	1 51	16 54	1 0	16 12	2 6	14 9	1 23	21 54	0 59	13 34	0 22	14 35	1 10	26 56	3 13	19 41	19 20	15 59		n.a.
F 26	23 43	17 22	4 21	24 45	1 47	16 29	0 55	16 14	2 6	14 10	1 23	21 55	0 59	13 35	0 22	14 36	1 10	26 56	3 14	19 40	19 19	15 57		n.a.
S 27	23 42	13 33	4 56	24 28	1 42	16 5	0 51	16 16	2 6	14 11	1 24	21 56	0 59	13 35	0 22	14 36	1 10	26 56	3 14	19 39	19 18	15 56		n.a.
S 28	23 40	8 57	5 11	24 10	1 36	15 40	0 46	16 19	2 6	14 12	1 24	21 57	1 0	13 36	0 22	14 36	1 10	26 56	3 14	19 37	19 18	15 54		n.a.
M29	23 38	3 57	5 5	23 50	1 30	15 15	0 41	16 22	2 7	14 13	1 24	21 58	1 0	13 37	0 22	14 37	1 10	26 56	3 14	19 36	19 17	15 52		n.a.
T 30	23 36	1s 9	4 41	23 28	1 22	14 49	0 36	16 25	2 7	14 15	1 25	21 59	1 0	13 38	0 22	14 37	1 10	26 56	3 14	19 36	19 16	15 50		n.a.
W31	23s33	6s 2	4s 1	23s 4	1s14	14s23	0s31	16n28	2n 7	14n16	1n25	22n 0	1n 0	13s39	0n22	14n37	1n10	26s56	3s14	19s36	19s15	15s48		n.a.

Julian Day Number = 1647246.5, Delta T = 03h33m02s
Ecliptic obliquity = 23°43'06, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'21, Lahiri = - 6°45'21 Julian Calendar 1 Dec. 204 BCE == Greg. Calendar 27 Nov. 204 BCE

The year -203 astronomical counting style corresponds to year 204 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

JANUARY 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 26 28	7♑41'01	19♎11	23♑51	24♒24	8♉33	26°R 8	26°R50	6♏58	24°R26	1♑41	26♏29	25♏ 1	0♒12	n.a.	T 1
F 2	6 30 25	8°41'57	2♏ 9	25°22	25°26	8°43	26♌ 5	26♋46	7° 0	24♌25	1°43	26°31	24°58	0°18	n.a.	F 2
S 3	6 34 21	9°42'52	14°48	26°51	26°29	8°54	26° 1	26°41	7° 2	24°24	1°45	26°32	24°54	0°25	n.a.	S 3
S 4	6 38 18	10°43'46	27°13	28°15	27°31	9° 6	25°58	26°37	7° 4	24°23	1°47	26°R33	24°51	0°32	n.a.	S 4
M 5	6 42 15	11°44'39	9♐27	29°35	28°32	9°18	25°54	26°32	7° 7	24°22	1°49	26°32	24°48	0°39	n.a.	M 5
T 6	6 46 11	12°45'30	21°32	0♒50	29°33	9°30	25°50	26°27	7° 9	24°21	1°51	26°29	24°45	0°45	n.a.	T 6
W 7	6 50 8	13°46'20	3♑32	1°59	0♓34	9°43	25°46	26°23	7°11	24°20	1°53	26°23	24°42	0°52	n.a.	W 7
T 8	6 54 4	14°47'09	15°27	3° 1	1°34	9°57	25°42	26°18	7°13	24°19	1°55	26°15	24°38	0°59	n.a.	T 8
F 9	6 58 1	15°47'57	27°19	3°56	2°34	10°11	25°37	26°13	7°15	24°17	1°56	26° 6	24°35	1° 5	n.a.	F 9
S 10	7 1 57	16°48'43	9♒11	4°43	3°34	10°26	25°33	26° 9	7°16	24°16	1°58	25°56	24°32	1°12	n.a.	S 10
S 11	7 5 54	17°49'27	21° 2	5°20	4°33	10°41	25°28	26° 4	7°18	24°15	2° 0	25°45	24°29	1°19	n.a.	S 11
M12	7 9 50	18°50'10	2♓56	5°48	5°31	10°56	25°23	25°59	7°20	24°14	2° 2	25°36	24°26	1°26	n.a.	M12
T 13	7 13 47	19°50'51	14°56	6° 6	6°29	11°12	25°18	25°54	7°22	24°12	2° 4	25°28	24°23	1°32	n.a.	T 13
W14	7 17 44	20°51'30	27° 3	6°R14	7°26	11°29	25°13	25°50	7°23	24°11	2° 6	25°22	24°19	1°39	n.a.	W14
T 15	7 21 40	21°52'07	9♈23	6°11	8°23	11°46	25° 7	25°45	7°25	24°10	2° 8	25°19	24°16	1°46	n.a.	T 15
F 16	7 25 37	22°52'42	21°59	5°58	9°20	12° 3	25° 2	25°40	7°27	24° 8	2°10	25°D19	24°13	1°52	n.a.	F 16
S 17	7 29 33	23°53'16	4♉56	5°34	10°15	12°21	24°56	25°35	7°28	24° 7	2°11	25°19	24°10	1°59	n.a.	S 17
S 18	7 33 30	24°53'48	18°18	5° 1	11°10	12°39	24°50	25°30	7°30	24° 6	2°13	25°R20	24° 7	2° 6	n.a.	S 18
M19	7 37 26	25°54'17	2♊ 8	4°19	12° 5	12°58	24°44	25°25	7°31	24° 4	2°15	25°20	24° 4	2°13	n.a.	M19
T 20	7 41 23	26°54'45	16°27	3°29	12°58	13°17	24°38	25°21	7°32	24° 3	2°17	25°18	24° 0	2°19	n.a.	T 20
W21	7 45 19	27°55'11	1♋12	2°33	13°52	13°37	24°32	25°16	7°34	24° 1	2°19	25°14	23°57	2°26	n.a.	W21
T 22	7 49 16	28°55'35	16°19	1°32	14°44	13°56	24°26	25°11	7°35	24° 0	2°20	25° 7	23°54	2°33	n.a.	T 22
F 23	7 53 13	29°55'57	1♌39	0°27	15°35	14°16	24°19	25° 6	7°36	23°59	2°22	24°58	23°51	2°39	n.a.	F 23
S 24	7 57 9	0♒56'17	17° 0	29♑21	16°26	14°37	24°13	25° 1	7°37	23°57	2°24	24°48	23°48	2°46	n.a.	S 24
S 25	8 1 6	1°56'35	2♍10	28°16	17°16	14°58	24° 6	24°56	7°38	23°56	2°26	24°38	23°44	2°53	n.a.	S 25
M26	8 5 2	2°56'52	17° 0	27°11	18° 5	15°19	23°59	24°52	7°39	23°54	2°27	24°29	23°41	3° 0	n.a.	M26
T 27	8 8 59	3°57'07	1♎23	26°10	18°54	15°41	23°52	24°47	7°41	23°52	2°29	24°23	23°38	3° 6	n.a.	T 27
W28	8 12 55	4°57'20	15°17	25°14	19°41	16° 2	23°45	24°42	7°41	23°51	2°31	24°19	23°35	3°13	n.a.	W28
T 29	8 16 52	5°57'32	28°41	24°22	20°28	16°25	23°38	24°37	7°42	23°49	2°32	24°17	23°32	3°20	n.a.	T 29
F 30	8 20 48	6°57'42	11♏39	23°37	21°13	16°47	23°31	24°33	7°43	23°48	2°34	24°D17	23°29	3°26	n.a.	F 30
S 31	8 24 45	7♒57'50	24♏14	22♑58	21♓58	17♉10	23♌24	24♋28	7♏44	23♌46	2♑36	24°R17	23♏25	3♒33	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s30	10s30	3s 9	22s39	1s 5	13s57	0s26	16n31	2n 7	14n17	1n25	22n 1	1n 0	13s39	0n22	14n38	1n10	26s57	3s14	19s36	19s14	15s47		n.a.
F 2	23 26	14 22	2 9	22 13	0 55	13 31	0 21	16 35	2 7	14 19	1 25	22 2	1 0	13 40	0 22	14 38	1 10	26 57	3 14	19 36	19 14	15 45		n.a.
S 3	23 21	17 28	1 3	21 46	0 45	13 5	0 15	16 38	2 7	14 20	1 26	22 3	1 0	13 41	0 22	14 39	1 10	26 57	3 14	19 36	19 13	15 43		n.a.
S 4	23 17	19 42	0n 4	21 17	0 33	12 38	0 10	16 42	2 7	14 22	1 26	22 4	1 0	13 41	0 22	14 39	1 10	26 57	3 14	19 37	19 12	15 41		n.a.
M 5	23 12	20 59	1 9	20 49	0 20	12 11	0 4	16 46	2 7	14 23	1 26	22 5	1 1	13 42	0 22	14 39	1 10	26 57	3 14	19 36	19 11	15 40		n.a.
T 6	23 6	21 16	2 11	20 19	0 7	11 44	0n 2	16 50	2 7	14 25	1 27	22 6	1 1	13 43	0 22	14 40	1 10	26 57	3 15	19 36	19 11	15 38		n.a.
W 7	23 0	20 34	3 6	19 50	0n 7	11 17	0 8	16 54	2 7	14 26	1 27	22 7	1 1	13 43	0 22	14 40	1 10	26 57	3 15	19 34	19 10	15 36		n.a.
T 8	22 53	18 58	3 52	19 21	0 22	10 49	0 14	16 59	2 7	14 28	1 27	22 8	1 1	13 44	0 22	14 41	1 10	26 57	3 15	19 32	19 9	15 34		n.a.
F 9	22 46	16 33	4 29	18 53	0 38	10 22	0 20	17 3	2 7	14 30	1 27	22 9	1 1	13 45	0 22	14 41	1 11	26 57	3 15	19 30	19 8	15 33		n.a.
S 10	22 39	13 28	4 53	18 26	0 54	9 55	0 26	17 8	2 7	14 32	1 28	22 10	1 1	13 45	0 22	14 42	1 11	26 57	3 15	19 28	19 7	15 31		n.a.
S 11	22 31	9 50	5 5	18 1	1 11	9 27	0 33	17 13	2 7	14 34	1 28	22 11	1 1	13 46	0 22	14 42	1 11	26 57	3 15	19 25	19 7	15 29		n.a.
M12	22 23	5 50	5 3	17 37	1 28	8 59	0 39	17 18	2 7	14 35	1 28	22 12	1 1	13 47	0 22	14 42	1 11	26 57	3 15	19 23	19 6	15 27		n.a.
T 13	22 14	1 35	4 48	17 16	1 45	8 31	0 46	17 23	2 7	14 37	1 28	22 13	1 2	13 47	0 22	14 43	1 11	26 57	3 15	19 21	19 5	15 25		n.a.
W14	22 5	2n48	4 21	16 58	2 2	8 4	0 53	17 28	2 7	14 39	1 29	22 14	1 2	13 48	0 22	14 43	1 11	26 57	3 15	19 20	19 4	15 24		n.a.
T 15	21 55	7 8	3 40	16 43	2 18	7 36	1 0	17 33	2 7	14 42	1 29	22 15	1 2	13 48	0 22	14 44	1 11	26 58	3 16	19 19	19 4	15 22		n.a.
F 16	21 45	11 16	2 49	16 30	2 35	7 8	1 7	17 38	2 7	14 44	1 29	22 16	1 2	13 49	0 22	14 44	1 11	26 58	3 16	19 19	19 3	15 20		n.a.
S 17	21 35	15 0	1 47	16 21	2 50	6 40	1 14	17 44	2 7	14 46	1 29	22 17	1 2	13 49	0 22	14 45	1 11	26 58	3 16	19 19	19 2	15 18		n.a.
S 18	21 24	18 5	0 38	16 16	3 4	6 13	1 21	17 49	2 7	14 48	1 30	22 18	1 2	13 50	0 22	14 45	1 11	26 58	3 16	19 19	19 1	15 16		n.a.
M19	21 13	20 14	0s36	16 14	3 16	5 45	1 29	17 55	2 6	14 50	1 30	22 19	1 2	13 50	0 22	14 46	1 11	26 58	3 16	19 19	19 0	15 15		n.a.
T 20	21 1	21 11	1 50	16 15	3 27	5 17	1 36	18 1	2 6	14 53	1 30	22 20	1 2	13 50	0 22	14 46	1 11	26 58	3 16	19 19	19 0	15 13		n.a.
W21	20 49	20 44	2 59	16 19	3 36	4 50	1 44	18 7	2 6	14 55	1 30	22 21	1 2	13 51	0 22	14 47	1 11	26 58	3 16	19 18	18 59	15 11		n.a.
T 22	20 37	18 47	3 57	16 26	3 43	4 22	1 51	18 12	2 6	14 57	1 30	22 22	1 3	13 51	0 22	14 47	1 11	26 58	3 16	19 16	18 58	15 9		n.a.
F 23	20 24	15 30	4 38	16 35	3 48	3 55	1 59	18 18	2 6	15 0	1 31	22 23	1 3	13 52	0 22	14 48	1 11	26 58	3 16	19 14	18 57	15 7		n.a.
S 24	20 11	11 9	5 0	16 46	3 50	3 28	2 7	18 24	2 6	15 2	1 31	22 24	1 3	13 52	0 22	14 48	1 11	26 58	3 17	19 11	18 56	15 5		n.a.
S 25	19 57	6 9	5 0	16 59	3 50	3 1	2 15	18 31	2 5	15 4	1 31	22 25	1 3	13 52	0 22	14 49	1 11	26 58	3 17	19 9	18 56	15 4		n.a.
M26	19 44	0 54	4 40	17 14	3 48	2 34	2 23	18 37	2 5	15 7	1 31	22 26	1 3	13 53	0 22	14 49	1 11	26 59	3 17	19 7	18 55	15 2		n.a.
T 27	19 29	4s15	4 2	17 30	3 44	2 7	2 32	18 43	2 5	15 9	1 31	22 27	1 3	13 53	0 22	14 50	1 11	26 59	3 17	19 5	18 54	15 0		n.a.
W28	19 15	9 1	3 12	17 46	3 38	1 41	2 40	18 49	2 5	15 12	1 32	22 28	1 3	13 53	0 22	14 51	1 11	26 59	3 17	19 4	18 53	14 58		n.a.
T 29	19 0	13 11	2 12	18 2	3 31	1 15	2 48	18 56	2 5	15 14	1 32	22 29	1 3	13 54	0 22	14 51	1 11	26 59	3 17	19 4	18 52	14 56		n.a.
F 30	18 45	16 33	1 7	18 19	3 22	0 49	2 57	19 2	2 4	15 17	1 32	22 30	1 3	13 54	0 22	14 52	1 11	26 59	3 17	19 4	18 52	14 55		n.a.
S 31	18s29	19s 3	0s 0	18s36	3n11	0s23	3n 5	19n 8	2n 4	15n19	1n32	22n31	1n 3	13s54	0n22	14n52	1n11	26s59	3s17	19s 4	18s51	14s53		n.a.

Julian Day Number = 1647277.5, Delta T = 03h33m01s
Ecliptic obliquity = 23°43'06, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'17, Lahiri = - 6°45'16 Julian Calendar 1 Jan. 203 BCE == Greg. Calendar 28 Dec. 204 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

FEBRUARY 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 28 42	8♒57'57	6♐33	22°R26	22♓41	17♉33	23°R17	24°R23	7♏45	23°R45	2♑37	24°R17	23♏22	3♒40	n.a.	S 1
M 2	8 32 38	9°58'03	18°39	22♑ 0	23°24	17°56	23♌ 9	24♋19	7°45	23♌43	2°39	24♏14	23°19	3°47	n.a.	M 2
T 3	8 36 35	10°58'06	0♑36	21°42	24° 5	18°20	23° 2	24°14	7°46	23°41	2°41	24° 9	23°16	3°53	n.a.	T 3
W 4	8 40 31	11°58'08	12°29	21°31	24°45	18°44	22°54	24°10	7°47	23°40	2°42	24° 1	23°13	4° 0	n.a.	W 4
T 5	8 44 28	12°58'07	24°20	21°D26	25°24	19° 8	22°47	24° 5	7°47	23°38	2°44	23°50	23°10	4° 7	n.a.	T 5
F 6	8 48 24	13°58'05	6♒10	21°27	26° 2	19°32	22°39	24° 1	7°48	23°37	2°45	23°37	23° 6	4°13	n.a.	F 6
S 7	8 52 21	14°58'01	18° 3	21°35	26°38	19°57	22°31	23°57	7°48	23°35	2°47	23°22	23° 3	4°20	n.a.	S 7
S 8	8 56 17	15°57'54	29°59	21°48	27°13	20°22	22°24	23°52	7°48	23°33	2°48	23° 8	23° 0	4°27	n.a.	S 8
M 9	9 0 14	16°57'46	11♓59	22° 7	27°47	20°47	22°16	23°48	7°49	23°32	2°50	22°54	22°57	4°34	n.a.	M 9
T 10	9 4 11	17°57'35	24° 5	22°31	28°19	21°13	22° 8	23°44	7°49	23°30	2°51	22°43	22°54	4°40	n.a.	T 10
W11	9 8 7	18°57'22	6♈18	23° 0	28°50	21°38	22° 1	23°40	7°49	23°28	2°53	22°34	22°50	4°47	n.a.	W11
T 12	9 12 4	19°57'06	18°42	23°34	29°19	22° 4	21°53	23°36	7°49	23°27	2°54	22°28	22°47	4°54	n.a.	T 12
F 13	9 16 0	20°56'49	1♉19	24°11	29°47	22°31	21°45	23°32	7°49	23°25	2°56	22°26	22°44	5° 0	n.a.	F 13
S 14	9 19 57	21°56'29	14°14	24°53	0♈12	22°57	21°37	23°28	7°R50	23°23	2°57	22°25	22°41	5° 7	n.a.	S 14
S 15	9 23 53	22°56'06	27°29	25°38	0°37	23°23	21°29	23°24	7°49	23°22	2°58	22°25	22°38	5°14	n.a.	S 15
M16	9 27 50	23°55'42	11♊ 8	26°27	0°59	23°50	21°22	23°20	7°49	23°20	3° 0	22°24	22°35	5°21	n.a.	M16
T 17	9 31 46	24°55'15	25°14	27°19	1°19	24°17	21°14	23°16	7°49	23°18	3° 1	22°22	22°31	5°27	n.a.	T 17
W18	9 35 43	25°54'45	9♋45	28°14	1°37	24°44	21° 6	23°12	7°49	23°17	3° 2	22°17	22°28	5°34	n.a.	W18
T 19	9 39 40	26°54'13	24°39	29°12	1°54	25°12	20°58	23° 9	7°49	23°15	3° 4	22°10	22°25	5°41	n.a.	T 19
F 20	9 43 36	27°53'39	9♌49	0♒13	2° 8	25°39	20°51	23° 5	7°49	23°13	3° 5	22° 0	22°22	5°48	n.a.	F 20
S 21	9 47 33	28°53'02	25° 5	1°16	2°20	26° 7	20°43	23° 2	7°48	23°12	3° 6	21°49	22°19	5°54	n.a.	S 21
S 22	9 51 29	29°52'24	10♍16	2°22	2°30	26°35	20°35	22°58	7°48	23°10	3° 7	21°38	22°16	6° 1	n.a.	S 22
M23	9 55 26	0♓51'43	25°12	3°30	2°38	27° 3	20°28	22°55	7°48	23° 9	3° 9	21°28	22°12	6° 8	n.a.	M23
T 24	9 59 22	1°51'00	9♎43	4°41	2°43	27°31	20°20	22°52	7°47	23° 7	3°10	21°20	22° 9	6°14	n.a.	T 24
W25	10 3 19	2°50'15	23°45	5°53	2°46	28° 0	20°13	22°49	7°46	23° 5	3°11	21°15	22° 6	6°21	n.a.	W25
T 26	10 7 15	3°49'28	7♏18	7° 8	2°R46	28°28	20° 5	22°46	7°46	23° 4	3°12	21°13	22° 3	6°28	n.a.	T 26
F 27	10 11 12	4°48'39	20°22	8°24	2°45	28°57	19°58	22°43	7°45	23° 2	3°13	21°D12	22° 0	6°35	n.a.	F 27
S 28	10 15 8	5♓47'49	3♐ 2	9♒42	2♈40	29♉26	19♌51	22♋40	7♏45	23♌ 0	3♑14	21°R12	21♏56	6♒41	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s14	20s36	1n 5	18s52	3n 0	0n 2	3n14	19n15	2n 4	15n22	1n32	22n32	1n 3	13s54	0n22	14n53	1n11	26s59	3s18	19s 4	18s50	14s51			n.a.
M 2	17 57	21 9	2 5	19 8	2 48	0 27	3 23	19 21	2 4	15 25	1 32	22 33	1 3	13 55	0 22	14 53	1 11	26 59	3 18	19 3	18 49	14 49			n.a.
T 3	17 41	20 43	3 0	19 23	2 36	0 52	3 32	19 28	2 3	15 27	1 33	22 33	1 3	13 55	0 22	14 54	1 11	26 59	3 18	19 2	18 48	14 47			n.a.
W 4	17 24	19 23	3 46	19 37	2 23	1 16	3 41	19 34	2 3	15 30	1 33	22 34	1 4	13 55	0 22	14 54	1 11	26 59	3 18	19 0	18 48	14 45			n.a.
T 5	17 7	17 13	4 22	19 51	2 10	1 40	3 50	19 41	2 3	15 33	1 33	22 35	1 4	13 55	0 22	14 55	1 11	27 0	3 18	18 57	18 47	14 44			n.a.
F 6	16 50	14 20	4 46	20 4	1 56	2 3	3 59	19 47	2 3	15 35	1 33	22 36	1 4	13 55	0 22	14 56	1 11	27 0	3 18	18 54	18 46	14 42			n.a.
S 7	16 32	10 52	4 58	20 16	1 43	2 26	4 8	19 54	2 2	15 38	1 33	22 37	1 4	13 55	0 22	14 56	1 11	27 0	3 18	18 50	18 45	14 40			n.a.
S 8	16 14	6 58	4 57	20 27	1 30	2 48	4 17	20 0	2 2	15 40	1 33	22 38	1 4	13 56	0 22	14 57	1 11	27 0	3 19	18 46	18 44	14 38			n.a.
M 9	15 56	2 47	4 43	20 37	1 17	3 10	4 26	20 7	2 2	15 43	1 33	22 39	1 4	13 56	0 22	14 57	1 11	27 0	3 19	18 43	18 43	14 36			n.a.
T 10	15 38	1n32	4 17	20 46	1 4	3 32	4 36	20 14	2 2	15 46	1 33	22 39	1 4	13 56	0 22	14 58	1 11	27 0	3 19	18 40	18 43	14 34			n.a.
W11	15 19	5 51	3 38	20 54	0 51	3 53	4 45	20 20	2 1	15 48	1 33	22 40	1 4	13 56	0 22	14 58	1 11	27 0	3 19	18 38	18 42	14 32			n.a.
T 12	15 0	10 0	2 48	21 0	0 39	4 13	4 54	20 27	2 1	15 51	1 34	22 41	1 4	13 56	0 22	14 59	1 11	27 0	3 19	18 36	18 41	14 31			n.a.
F 13	14 41	13 46	1 49	21 6	0 26	4 32	5 3	20 33	2 1	15 54	1 34	22 42	1 4	13 56	0 22	15 0	1 11	27 0	3 19	18 35	18 40	14 29			n.a.
S 14	14 21	16 59	0 43	21 10	0 15	4 51	5 13	20 40	2 1	15 56	1 34	22 42	1 4	13 56	0 22	15 0	1 11	27 1	3 20	18 35	18 39	14 27			n.a.
S 15	14 2	19 24	0s27	21 13	0 3	5 9	5 22	20 47	2 0	15 59	1 34	22 43	1 4	13 56	0 22	15 1	1 11	27 1	3 20	18 35	18 39	14 25			n.a.
M16	13 42	20 46	1 37	21 14	0s 8	5 27	5 31	20 53	2 0	16 2	1 34	22 44	1 4	13 56	0 22	15 1	1 11	27 1	3 20	18 35	18 38	14 23			n.a.
T 17	13 22	20 54	2 44	21 14	0 18	5 43	5 40	21 0	2 0	16 4	1 34	22 44	1 4	13 56	0 22	15 2	1 11	27 1	3 20	18 34	18 37	14 21			n.a.
W18	13 2	19 40	3 42	21 13	0 29	5 59	5 49	21 6	1 59	16 7	1 34	22 45	1 4	13 56	0 22	15 2	1 11	27 1	3 20	18 33	18 36	14 19			n.a.
T 19	12 41	17 4	4 27	21 11	0 38	6 14	5 59	21 13	1 59	16 9	1 34	22 46	1 4	13 56	0 22	15 3	1 11	27 1	3 20	18 31	18 35	14 18			n.a.
F 20	12 21	13 17	4 54	21 7	0 48	6 28	6 7	21 19	1 59	16 12	1 34	22 46	1 4	13 56	0 22	15 3	1 11	27 1	3 20	18 29	18 34	14 16			n.a.
S 21	12 0	8 36	5 0	21 2	0 57	6 41	6 16	21 25	1 58	16 14	1 34	22 47	1 4	13 55	0 22	15 4	1 11	27 1	3 21	18 26	18 34	14 14			n.a.
S 22	11 39	3 25	4 45	20 55	1 5	6 53	6 25	21 32	1 58	16 17	1 34	22 48	1 4	13 55	0 22	15 5	1 11	27 2	3 21	18 23	18 33	14 12			n.a.
M23	11 18	1s54	4 10	20 47	1 13	7 3	6 33	21 38	1 58	16 19	1 34	22 48	1 4	13 55	0 22	15 5	1 11	27 2	3 21	18 20	18 32	14 10			n.a.
T 24	10 56	6 57	3 21	20 38	1 21	7 13	6 42	21 44	1 57	16 22	1 34	22 49	1 4	13 55	0 22	15 6	1 11	27 2	3 21	18 18	18 31	14 8			n.a.
W25	10 35	11 29	2 20	20 27	1 28	7 22	6 50	21 51	1 57	16 24	1 34	22 49	1 4	13 55	0 22	15 6	1 12	27 2	3 21	18 17	18 30	14 6			n.a.
T 26	10 13	15 15	1 13	20 14	1 35	7 29	6 58	21 57	1 57	16 26	1 34	22 50	1 4	13 55	0 22	15 7	1 12	27 2	3 21	18 16	18 30	14 4			n.a.
F 27	9 51	18 7	0 4	20 0	1 41	7 35	7 5	22 3	1 57	16 29	1 34	22 50	1 4	13 54	0 22	15 7	1 12	27 2	3 22	18 16	18 29	14 3			n.a.
S 28	9s30	19s59	1n 2	19s45	1s47	7n40	7n12	22n 9	1n56	16n31	1n34	22n51	1n 4	13s54	0n22	15n 8	1n12	27s 2	3s22	18s16	18s28	14s 1			n.a.

Julian Day Number = 1647308.5, Delta T = 03h33m00s
Ecliptic obliquity = 23°43'06, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'13, Lahiri = - 6°45'12 Julian Calendar 1 Feb. 203 BCE == Greg. Calendar 28 Jan. 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

MARCH 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 19 5	6♓46'57	15♐22	11♒ 3	2°R34	29♉55	19°R43	22°R37	7°R44	22°R59	3♋15	21°R12	21♏53	6♒48	n.a.	S 1
M 2	10 23 2	7°46'02	27°28	12°25	2♈24	0♊24	19♌36	22♋34	7♏43	22♌57	3°16	21♏10	21°50	6°55	n.a.	M 2
T 3	10 26 58	8°45'06	9♋24	13°48	2°13	0°53	19°29	22°32	7°42	22°56	3°17	21° 6	21°47	7° 1	n.a.	T 3
W 4	10 30 55	9°44'08	21°15	15°14	1°58	1°23	19°22	22°29	7°41	22°54	3°18	21° 0	21°44	7° 8	n.a.	W 4
T 5	10 34 51	10°43'08	3♒ 5	16°41	1°42	1°53	19°15	22°27	7°40	22°52	3°19	20°50	21°41	7°15	n.a.	T 5
F 6	10 38 48	11°42'06	14°57	18° 9	1°23	2°22	19° 9	22°24	7°39	22°51	3°20	20°39	21°37	7°22	n.a.	F 6
S 7	10 42 44	12°41'02	26°53	19°40	1° 2	2°52	19° 2	22°22	7°38	22°49	3°21	20°26	21°34	7°28	n.a.	S 7
S 8	10 46 41	13°39'56	8♓55	21°12	0°38	3°22	18°55	22°20	7°37	22°48	3°22	20°14	21°31	7°35	n.a.	S 8
M 9	10 50 37	14°38'48	21° 4	22°45	0°12	3°53	18°49	22°18	7°36	22°46	3°23	20° 2	21°28	7°42	n.a.	M 9
T 10	10 54 34	15°37'38	3♈22	24°20	29♓45	4°23	18°43	22°16	7°35	22°45	3°24	19°52	21°25	7°48	n.a.	T 10
W11	10 58 31	16°36'25	15°48	25°57	29°15	4°53	18°36	22°14	7°34	22°43	3°24	19°44	21°21	7°55	n.a.	W11
T 12	11 2 27	17°35'11	28°24	27°35	28°43	5°24	18°30	22°12	7°33	22°42	3°25	19°40	21°18	8° 2	n.a.	T 12
F 13	11 6 24	18°33'54	11♉13	29°14	28°10	5°55	18°24	22°11	7°31	22°40	3°26	19°38	21°15	8° 9	n.a.	F 13
S 14	11 10 20	19°32'35	24°15	0♓56	27°36	6°25	18°19	22° 9	7°30	22°39	3°27	19°D37	21°12	8°15	n.a.	S 14
S 15	11 14 17	20°31'13	7♊33	2°38	27° 0	6°56	18°13	22° 8	7°29	22°37	3°27	19°38	21° 9	8°22	n.a.	S 15
M16	11 18 13	21°29'50	21°10	4°23	26°24	7°27	18° 7	22° 7	7°27	22°36	3°28	19°R39	21° 6	8°29	n.a.	M16
T 17	11 22 10	22°28'24	5♋ 6	6° 9	25°46	7°59	18° 2	22° 5	7°26	22°35	3°29	19°38	21° 2	8°35	n.a.	T 17
W18	11 26 6	23°26'55	19°23	7°56	25° 8	8°30	17°57	22° 4	7°24	22°33	3°29	19°35	20°59	8°42	n.a.	W18
T 19	11 30 3	24°25'24	3♌58	9°45	24°30	9° 1	17°52	22° 3	7°23	22°32	3°30	19°30	20°56	8°49	n.a.	T 19
F 20	11 33 59	25°23'51	18°47	11°36	23°52	9°33	17°47	22° 2	7°21	22°31	3°30	19°24	20°53	8°56	n.a.	F 20
S 21	11 37 56	26°22'16	3♍43	13°28	23°14	10° 4	17°42	22° 1	7°19	22°29	3°31	19°16	20°50	9° 2	n.a.	S 21
S 22	11 41 53	27°20'39	18°36	15°22	22°37	10°36	17°37	22° 1	7°18	22°28	3°31	19° 8	20°47	9° 9	n.a.	S 22
M23	11 45 49	28°18'59	3♎19	17°17	22° 0	11° 8	17°33	22° 0	7°16	22°27	3°32	19° 0	20°43	9°16	n.a.	M23
T 24	11 49 46	29°17'18	17°44	19°14	21°25	11°39	17°28	22° 0	7°14	22°25	3°32	18°55	20°40	9°23	n.a.	T 24
W25	11 53 42	0♈15'35	1♏45	21°13	20°50	12°11	17°24	21°59	7°12	22°24	3°33	18°52	20°37	9°29	n.a.	W25
T 26	11 57 39	1°13'50	15°19	23°13	20°17	12°43	17°20	21°59	7°11	22°23	3°33	18°D50	20°34	9°36	n.a.	T 26
F 27	12 1 35	2°12'04	28°28	25°15	19°46	13°16	17°16	21°59	7° 9	22°22	3°34	18°51	20°31	9°43	n.a.	F 27
S 28	12 5 32	3°10'16	11♐12	27°18	19°16	13°48	17°13	21°D59	7° 7	22°21	3°34	18°52	20°27	9°49	n.a.	S 28
S 29	12 9 28	4° 8'26	23°37	29°22	18°48	14°20	17° 9	21°59	7° 5	22°19	3°34	18°53	20°24	9°56	n.a.	S 29
M30	12 13 25	5° 6'35	5♋46	1♈28	18°23	14°53	17° 6	21°59	7° 3	22°18	3°34	18°R54	20°21	10° 3	n.a.	M30
T 31	12 17 22	6♈ 4'42	17♋44	3♈35	17♓59	15♊25	17♌ 3	21♋59	7♏ 1	22♌17	3♋35	18♏53	20♏18	10♒10	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	9s 7	20s51	2n 4	19s28	1s53	7n44	7n19	22n15	1n56	16n33	1n34	22n51	1n 4	13s54	0n22	15n 8	1n12	27s 3	3s22	18s16	18s27	13s59			n.a.
M 2	8 45	20 42	3 0	19 9	1 58	7 46	7 25	22 21	1 56	16 36	1 34	22 52	1 4	13 54	0 22	15 9	1 12	27 3	3 22	18 16	18 26	13 57			n.a.
T 3	8 23	19 37	3 46	18 49	2 2	7 46	7 31	22 27	1 55	16 38	1 34	22 52	1 4	13 53	0 22	15 9	1 12	27 3	3 22	18 15	18 25	13 55			n.a.
W 4	8 0	17 42	4 22	18 28	2 6	7 46	7 37	22 33	1 55	16 40	1 34	22 53	1 4	13 53	0 22	15 10	1 12	27 3	3 22	18 13	18 25	13 53			n.a.
T 5	7 38	15 2	4 47	18 5	2 10	7 43	7 42	22 39	1 55	16 42	1 34	22 53	1 4	13 53	0 22	15 11	1 12	27 3	3 23	18 10	18 24	13 51			n.a.
F 6	7 15	11 46	5 0	17 40	2 13	7 40	7 46	22 45	1 54	16 44	1 34	22 53	1 4	13 52	0 22	15 11	1 12	27 3	3 23	18 7	18 23	13 49			n.a.
S 7	6 53	8 0	5 0	17 14	2 15	7 34	7 50	22 50	1 54	16 46	1 34	22 54	1 4	13 52	0 22	15 12	1 12	27 3	3 23	18 4	18 22	13 47			n.a.
S 8	6 30	3 54	4 46	16 46	2 18	7 28	7 53	22 56	1 54	16 48	1 34	22 54	1 4	13 52	0 22	15 12	1 12	27 4	3 23	18 1	18 21	13 46			n.a.
M 9	6 7	0n23	4 19	16 17	2 19	7 19	7 55	23 1	1 53	16 50	1 34	22 54	1 4	13 51	0 22	15 13	1 11	27 4	3 23	17 57	18 20	13 44			n.a.
T 10	5 44	4 43	3 40	15 46	2 20	7 10	7 56	23 7	1 53	16 52	1 33	22 55	1 4	13 51	0 22	15 13	1 11	27 4	3 24	17 55	18 20	13 42			n.a.
W11	5 21	8 54	2 50	15 14	2 21	6 59	7 57	23 12	1 53	16 54	1 33	22 55	1 4	13 50	0 22	15 14	1 11	27 4	3 24	17 53	18 19	13 40			n.a.
T 12	4 58	12 45	1 51	14 40	2 21	6 46	7 57	23 18	1 52	16 56	1 33	22 55	1 4	13 50	0 22	15 14	1 11	27 4	3 24	17 51	18 18	13 38			n.a.
F 13	4 34	16 5	0 45	14 4	2 21	6 32	7 56	23 23	1 52	16 58	1 33	22 56	1 4	13 50	0 22	15 15	1 11	27 4	3 24	17 51	18 17	13 36			n.a.
S 14	4 11	18 39	0s25	13 27	2 20	6 16	7 55	23 28	1 52	16 59	1 33	22 56	1 4	13 49	0 22	15 15	1 11	27 5	3 24	17 51	18 16	13 34			n.a.
S 15	3 48	20 16	1 34	12 48	2 19	6 0	7 52	23 33	1 51	17 1	1 33	22 56	1 4	13 49	0 22	15 15	1 11	27 5	3 24	17 51	18 15	13 32			n.a.
M16	3 25	20 45	2 40	12 8	2 17	5 42	7 48	23 38	1 51	17 3	1 33	22 56	1 4	13 48	0 22	15 16	1 11	27 5	3 25	17 51	18 14	13 30			n.a.
T 17	3 1	19 59	3 39	11 26	2 14	5 23	7 44	23 43	1 50	17 4	1 33	22 57	1 4	13 48	0 22	15 16	1 11	27 5	3 25	17 51	18 14	13 28			n.a.
W18	2 38	17 56	4 25	10 43	2 11	5 3	7 39	23 47	1 50	17 6	1 33	22 57	1 4	13 47	0 23	15 17	1 11	27 5	3 25	17 50	18 13	13 26			n.a.
T 19	2 14	14 43	4 55	9 58	2 8	4 42	7 33	23 52	1 50	17 7	1 32	22 57	1 4	13 47	0 23	15 17	1 11	27 5	3 25	17 49	18 12	13 25			n.a.
F 20	1 51	10 32	5 6	9 12	2 4	4 21	7 26	23 57	1 49	17 9	1 32	22 57	1 4	13 46	0 23	15 18	1 11	27 5	3 25	17 47	18 11	13 23			n.a.
S 21	1 28	5 40	4 56	8 24	1 59	3 59	7 18	24 1	1 49	17 10	1 32	22 57	1 4	13 46	0 23	15 18	1 11	27 6	3 25	17 45	18 10	13 21			n.a.
S 22	1 4	0 29	4 27	7 35	1 54	3 36	7 9	24 5	1 49	17 11	1 32	22 57	1 4	13 45	0 23	15 19	1 11	27 6	3 26	17 42	18 9	13 19			n.a.
M23	0 41	4s41	3 40	6 44	1 48	3 13	7 0	24 10	1 48	17 13	1 32	22 57	1 4	13 45	0 23	15 19	1 11	27 6	3 26	17 40	18 9	13 17			n.a.
T 24	0 17	9 29	2 39	5 52	1 42	2 50	6 50	24 14	1 48	17 14	1 32	22 57	1 4	13 44	0 23	15 19	1 11	27 6	3 26	17 39	18 8	13 15			n.a.
W25	0n 6	13 38	1 31	4 59	1 36	2 26	6 40	24 18	1 48	17 15	1 32	22 57	1 4	13 43	0 23	15 20	1 11	27 6	3 26	17 38	18 7	13 13			n.a.
T 26	0 30	16 55	0 19	4 4	1 29	2 3	6 29	24 22	1 47	17 16	1 31	22 57	1 4	13 43	0 23	15 20	1 11	27 7	3 26	17 38	18 6	13 11			n.a.
F 27	0 53	19 13	0n52	3 9	1 21	1 40	6 17	24 25	1 47	17 17	1 31	22 57	1 4	13 42	0 23	15 21	1 11	27 7	3 27	17 38	18 5	13 9			n.a.
S 28	1 16	20 26	1 58	2 12	1 13	1 17	6 5	24 29	1 47	17 18	1 31	22 57	1 4	13 42	0 23	15 21	1 11	27 7	3 27	17 38	18 4	13 7			n.a.
S 29	1 40	20 37	2 57	1 14	1 4	0 55	5 52	24 33	1 46	17 19	1 31	22 57	1 4	13 41	0 23	15 21	1 11	27 7	3 27	17 38	18 3	13 5			n.a.
M30	2 3	19 49	3 46	0 15	0 55	0 33	5 39	24 36	1 46	17 20	1 31	22 57	1 4	13 40	0 23	15 22	1 11	27 7	3 27	17 39	18 3	13 3			n.a.
T 31	2n26	18s 9	4n25	0n45	0s46	0n12	5n26	24n40	1n46	17n21	1n31	22n57	1n 4	13s40	0n23	15n22	1n11	27s 7	3s27	17s38	18s 2	13s 1			n.a.

Julian Day Number = 1647336.5, Delta T = 03h32m59s
Ecliptic obliquity = 23°43'06, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'09, Lahiri = - 6°45'08 Julian Calendar 1 March 203 BCE == Greg. Calendar 25 Feb. 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

APRIL 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 21 18	7♈ 2'48	29♉37	5♈43	17°R38	15♊58	17°R 0	22♋ 0	6°R59	22°R16	3♉35	18°R50	20♏15	10♒16	n.a.	W 1
T 2	12 25 15	8° 0'52	11♒29	7°51	17♓19	16°30	16♌57	22° 0	6♏57	22♌15	3°35	18♏46	20°12	10°23	n.a.	T 2
F 3	12 29 11	8°58'55	23°23	10° 0	17° 3	17° 3	16°54	22° 1	6°55	22°14	3°35	18°40	20° 8	10°30	n.a.	F 3
S 4	12 33 8	9°56'56	5♓24	12°10	16°49	17°36	16°52	22° 1	6°53	22°13	3°35	18°33	20° 5	10°36	n.a.	S 4
S 5	12 37 4	10°54'55	17°33	14°20	16°37	18° 9	16°50	22° 2	6°51	22°12	3°36	18°26	20° 2	10°43	n.a.	S 5
M 6	12 41 1	11°52'53	29°52	16°29	16°28	18°42	16°47	22° 3	6°48	22°11	3°36	18°20	19°59	10°50	n.a.	M 6
T 7	12 44 57	12°50'49	12♈24	18°39	16°21	19°15	16°45	22° 4	6°46	22°10	3°36	18°15	19°56	10°57	n.a.	T 7
W 8	12 48 54	13°48'44	25° 7	20°47	16°17	19°48	16°44	22° 5	6°44	22° 9	3°R36	18°11	19°52	11° 3	n.a.	W 8
T 9	12 52 50	14°46'37	8♉ 3	22°55	16°D15	20°21	16°42	22° 6	6°42	22° 8	3°36	18° 9	19°49	11°10	n.a.	T 9
F 10	12 56 47	15°44'28	21°11	25° 1	16°15	20°54	16°41	22° 7	6°40	22° 7	3°36	18°D 9	19°46	11°17	n.a.	F 10
S 11	13 0 44	16°42'18	4♊31	27° 5	16°18	21°28	16°40	22° 9	6°37	22° 7	3°36	18° 9	19°43	11°24	n.a.	S 11
S 12	13 4 40	17°40'06	18° 4	29° 8	16°22	22° 1	16°39	22°10	6°35	22° 6	3°36	18°11	19°40	11°30	n.a.	S 12
M13	13 8 37	18°37'52	1♋50	1♉ 9	16°30	22°35	16°38	22°12	6°33	22° 5	3°35	18°12	19°37	11°37	n.a.	M13
T 14	13 12 33	19°35'36	15°49	3° 8	16°39	23° 8	16°37	22°14	6°30	22° 4	3°35	18°R13	19°33	11°44	n.a.	T 14
W15	13 16 30	20°33'18	29°59	5° 4	16°50	23°42	16°37	22°16	6°28	22° 4	3°35	18°13	19°30	11°50	n.a.	W15
T 16	13 20 26	21°30'59	14♌19	6°57	17° 4	24°16	16°36	22°17	6°26	22° 3	3°35	18°11	19°27	11°57	n.a.	T 16
F 17	13 24 23	22°28'38	28°46	8°48	17°19	24°49	16°D36	22°20	6°23	22° 2	3°35	18° 9	19°24	12° 4	n.a.	F 17
S 18	13 28 19	23°26'15	13♍15	10°35	17°37	25°23	16°36	22°22	6°21	22° 2	3°34	18° 6	19°21	12°11	n.a.	S 18
S 19	13 32 16	24°23'51	27°42	12°20	17°56	25°57	16°37	22°24	6°19	22° 1	3°34	18° 2	19°18	12°17	n.a.	S 19
M20	13 36 13	25°21'25	12♎ 0	14° 2	18°17	26°31	16°37	22°26	6°16	22° 1	3°34	17°59	19°14	12°24	n.a.	M20
T 21	13 40 9	26°18'57	26° 4	15°40	18°40	27° 5	16°38	22°29	6°14	22° 0	3°34	17°57	19°11	12°31	n.a.	T 21
W22	13 44 6	27°16'29	9♏51	17°16	19° 4	27°39	16°39	22°31	6°11	22° 0	3°33	17°56	19° 8	12°37	n.a.	W22
T 23	13 48 2	28°13'59	23°17	18°48	19°30	28°13	16°40	22°34	6° 9	21°59	3°33	17°D56	19° 5	12°44	n.a.	T 23
F 24	13 51 59	29°11'29	6♐21	20°17	19°58	28°48	16°41	22°36	6° 6	21°59	3°32	17°57	19° 2	12°51	n.a.	F 24
S 25	13 55 55	0♑ 8'57	19° 6	21°42	20°27	29°22	16°42	22°39	6° 4	21°58	3°32	17°58	18°58	12°58	n.a.	S 25
S 26	13 59 52	1° 6'24	1♉32	23° 4	20°58	29°56	16°44	22°42	6° 1	21°58	3°31	17°59	18°55	13° 4	n.a.	S 26
M27	14 3 48	2° 3'50	13°43	24°23	21°30	0♋31	16°45	22°45	5°59	21°58	3°31	18° 1	18°52	13°11	n.a.	M27
T 28	14 7 45	3° 1'16	25°44	25°39	22° 4	1° 5	16°47	22°48	5°56	21°57	3°30	18° 1	18°49	13°18	n.a.	T 28
W29	14 11 42	3°58'40	7♒39	26°50	22°38	1°40	16°49	22°51	5°54	21°57	3°30	18°R 1	18°46	13°25	n.a.	W29
T 30	14 15 38	4♑56'04	19♒32	27♑59	23♓14	2♋14	16♌52	22♋55	5♏51	21♌57	3♉29	18♏ 1	18♏43	13♒31	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n50	15s42	4n52	1n45	0s36	0s 9	5n13	24n43	1n45	17n21	1n30	22n57	1n 4	13s39	0n23	15n22	1n11	27s 8	3s27	17s38	18s 1	13s 0		n.a.
T 2	3 13	12 37	5 7	2 45	0 26	0 28	5 0	24 46	1 45	17 22	1 30	22 57	1 4	13 38	0 23	15 23	1 11	27 8	3 28	17 36	18 0	12 58		n.a.
F 3	3 36	9 2	5 8	3 46	0 16	0 47	4 46	24 49	1 44	17 23	1 30	22 57	1 4	13 38	0 23	15 23	1 11	27 8	3 28	17 35	17 59	12 56		n.a.
S 4	3 59	5 3	4 56	4 47	0 5	1 6	4 32	24 52	1 44	17 23	1 30	22 57	1 4	13 37	0 23	15 23	1 11	27 8	3 28	17 33	17 58	12 54		n.a.
S 5	4 22	0 50	4 31	5 48	0n 6	1 23	4 19	24 54	1 44	17 24	1 30	22 57	1 4	13 36	0 23	15 24	1 11	27 8	3 28	17 31	17 57	12 52		n.a.
M 6	4 45	3n30	3 52	6 48	0 16	1 39	4 5	24 57	1 43	17 24	1 30	22 57	1 4	13 35	0 23	15 24	1 11	27 8	3 28	17 29	17 56	12 50		n.a.
T 7	5 8	7 45	3 2	7 48	0 27	1 54	3 51	24 59	1 43	17 25	1 29	22 56	1 4	13 35	0 23	15 24	1 11	27 9	3 29	17 28	17 56	12 48		n.a.
W 8	5 31	11 43	2 2	8 47	0 38	2 8	3 38	25 2	1 43	17 25	1 29	22 56	1 4	13 34	0 23	15 24	1 11	27 9	3 29	17 27	17 55	12 46		n.a.
T 9	5 53	15 13	0 55	9 45	0 48	2 21	3 24	25 4	1 42	17 25	1 29	22 56	1 4	13 33	0 23	15 25	1 11	27 9	3 29	17 26	17 54	12 44		n.a.
F 10	6 16	18 0	0s17	10 42	0 58	2 33	3 11	25 6	1 42	17 26	1 29	22 56	1 4	13 32	0 23	15 25	1 11	27 9	3 29	17 26	17 53	12 42		n.a.
S 11	6 38	19 51	1 28	11 37	1 8	2 44	2 58	25 8	1 42	17 26	1 29	22 55	1 4	13 32	0 23	15 25	1 11	27 9	3 29	17 26	17 52	12 40		n.a.
S 12	7 1	20 35	2 36	12 30	1 18	2 54	2 45	25 9	1 41	17 26	1 28	22 55	1 4	13 31	0 23	15 25	1 11	27 10	3 30	17 27	17 51	12 38		n.a.
M13	7 23	20 6	3 37	13 22	1 27	3 3	2 32	25 11	1 41	17 26	1 28	22 55	1 4	13 30	0 23	15 26	1 11	27 10	3 30	17 27	17 50	12 36		n.a.
T 14	7 45	18 23	4 25	14 11	1 36	3 11	2 20	25 13	1 40	17 26	1 28	22 55	1 4	13 29	0 23	15 26	1 11	27 10	3 30	17 27	17 50	12 34		n.a.
W15	8 7	15 32	4 58	14 59	1 44	3 18	2 8	25 14	1 40	17 26	1 28	22 54	1 4	13 29	0 23	15 26	1 11	27 10	3 30	17 27	17 49	12 32		n.a.
T 16	8 29	11 44	5 13	15 44	1 51	3 23	1 56	25 15	1 40	17 26	1 28	22 54	1 4	13 28	0 23	15 26	1 11	27 10	3 30	17 27	17 48	12 30		n.a.
F 17	8 51	7 14	5 8	16 27	1 58	3 28	1 44	25 16	1 39	17 26	1 27	22 53	1 4	13 27	0 23	15 26	1 11	27 11	3 30	17 26	17 47	12 28		n.a.
S 18	9 12	2 17	4 44	17 8	2 4	3 32	1 33	25 17	1 39	17 25	1 27	22 53	1 4	13 26	0 23	15 27	1 11	27 11	3 31	17 25	17 46	12 26		n.a.
S 19	9 34	2s46	4 2	17 46	2 9	3 34	1 22	25 18	1 39	17 25	1 27	22 53	1 4	13 26	0 23	15 27	1 11	27 11	3 31	17 24	17 45	12 25		n.a.
M20	9 55	7 38	3 5	18 22	2 14	3 36	1 11	25 18	1 38	17 25	1 27	22 52	1 4	13 25	0 23	15 27	1 11	27 11	3 31	17 23	17 44	12 23		n.a.
T 21	10 16	12 0	1 57	18 55	2 18	3 37	1 0	25 19	1 38	17 24	1 27	22 52	1 4	13 24	0 23	15 27	1 11	27 11	3 31	17 23	17 43	12 21		n.a.
W22	10 37	15 38	0 44	19 26	2 21	3 37	0 50	25 19	1 37	17 24	1 26	22 51	1 4	13 23	0 23	15 27	1 11	27 11	3 31	17 22	17 43	12 19		n.a.
T 23	10 58	18 20	0n29	19 55	2 24	3 36	0 40	25 19	1 37	17 24	1 26	22 51	1 4	13 22	0 23	15 27	1 11	27 12	3 32	17 22	17 42	12 17		n.a.
F 24	11 19	19 59	1 40	20 21	2 25	3 33	0 30	25 19	1 37	17 23	1 26	22 51	1 4	13 21	0 23	15 28	1 11	27 12	3 32	17 23	17 41	12 15		n.a.
S 25	11 39	20 33	2 44	20 45	2 26	3 31	0 21	25 19	1 36	17 22	1 26	22 50	1 4	13 21	0 22	15 28	1 11	27 12	3 32	17 23	17 40	12 13		n.a.
S 26	12 0	20 5	3 38	21 6	2 26	3 27	0 11	25 19	1 36	17 22	1 25	22 49	1 3	13 20	0 22	15 28	1 11	27 12	3 32	17 23	17 39	12 11		n.a.
M27	12 20	18 40	4 21	21 26	2 25	3 22	0 2	25 19	1 36	17 21	1 25	22 49	1 3	13 19	0 22	15 28	1 11	27 12	3 32	17 24	17 38	12 9		n.a.
T 28	12 40	16 27	4 53	21 43	2 23	3 17	0s 6	25 18	1 35	17 20	1 25	22 48	1 3	13 18	0 22	15 28	1 11	27 13	3 32	17 24	17 37	12 7		n.a.
W29	12 59	13 34	5 11	21 58	2 21	3 11	0 15	25 17	1 35	17 19	1 25	22 48	1 3	13 17	0 22	15 28	1 11	27 13	3 33	17 24	17 36	12 5		n.a.
T 30	13n19	10s 8	5n16	22n10	2n18	3s 4	0s23	25n16	1n34	17n18	1n25	22n47	1n 3	13s17	0n22	15n28	1n11	27s13	3s33	17s24	17s36	12s 3		n.a.

Julian Day Number = 1647367.5, Delta T = 03h32m58s
Ecliptic obliquity = 23°43'06, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'05, Lahiri = - 6°45'04 Julian Calendar 1 Apr. 203 BCE == Greg. Calendar 28 March 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

MAY 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 19 35	5♉53'27	1♓29	29♉ 3	23♓52	2♋49	16♌54	22♋58	5°R49	21°R56	3°R29	18°R 0	18♏39	13♒38	n.a.	F 1
S 2	14 23 31	6°50'49	13°32	0♊ 4	24°30	3°23	16°56	23° 1	5♏46	21♌56	3♑28	17♏59	18°36	13°45	n.a.	S 2
S 3	14 27 28	7°48'11	25°46	1° 2	25°10	3°58	16°59	23° 5	5°44	21°56	3°28	17°57	18°33	13°51	n.a.	S 3
M 4	14 31 24	8°45'31	8♈14	1°55	25°50	4°33	17° 2	23° 9	5°41	21°56	3°27	17°56	18°30	13°58	n.a.	M 4
T 5	14 35 21	9°42'51	20°58	2°45	26°32	5° 8	17° 5	23°12	5°39	21°56	3°26	17°55	18°27	14° 5	n.a.	T 5
W 6	14 39 17	10°40'10	3♉58	3°31	27°14	5°43	17° 8	23°16	5°37	21°56	3°25	17°54	18°24	14°12	n.a.	W 6
T 7	14 43 14	11°37'29	17°15	4°12	27°58	6°18	17°12	23°20	5°34	21°D56	3°25	17°D54	18°20	14°18	n.a.	T 7
F 8	14 47 11	12°34'46	0♊47	4°50	28°42	6°53	17°15	23°24	5°32	21°56	3°24	17°54	18°17	14°25	n.a.	F 8
S 9	14 51 7	13°32'03	14°33	5°23	29°27	7°28	17°19	23°28	5°29	21°56	3°23	17°54	18°14	14°32	n.a.	S 9
S 10	14 55 4	14°29'19	28°30	5°52	0♈13	8° 3	17°23	23°32	5°27	21°56	3°22	17°55	18°11	14°39	n.a.	S 10
M11	14 59 0	15°26'34	12♋36	6°16	1° 0	8°38	17°27	23°36	5°24	21°56	3°22	17°55	18° 8	14°45	n.a.	M11
T 12	15 2 57	16°23'48	26°47	6°36	1°48	9°13	17°31	23°41	5°22	21°56	3°21	17°55	18° 4	14°52	n.a.	T 12
W13	15 6 53	17°21'01	11♌ 2	6°52	2°36	9°49	17°36	23°45	5°19	21°56	3°20	17°55	18° 1	14°59	n.a.	W13
T 14	15 10 50	18°18'12	25°17	7° 3	3°25	10°24	17°40	23°49	5°17	21°57	3°19	17°55	17°58	15° 5	n.a.	T 14
F 15	15 14 46	19°15'23	9♍29	7° 9	4°15	10°59	17°45	23°54	5°15	21°57	3°18	17°55	17°55	15°12	n.a.	F 15
S 16	15 18 43	20°12'34	23°36	7°R11	5° 6	11°35	17°50	23°59	5°12	21°57	3°17	17°56	17°52	15°19	n.a.	S 16
S 17	15 22 40	21° 9'43	7♎36	7° 8	5°57	12°10	17°55	24° 3	5°10	21°57	3°16	17°56	17°49	15°26	n.a.	S 17
M18	15 26 36	22° 6'52	21°26	7° 1	6°49	12°46	18° 0	24° 8	5° 8	21°58	3°15	17°56	17°45	15°32	n.a.	M18
T 19	15 30 33	23° 4'00	5♏ 4	6°50	7°41	13°21	18° 5	24°13	5° 5	21°58	3°14	17°56	17°42	15°39	n.a.	T 19
W20	15 34 29	24° 1'07	18°28	6°34	8°34	13°57	18°11	24°18	5° 3	21°59	3°13	17°R57	17°39	15°46	n.a.	W20
T 21	15 38 26	24°58'14	1♐36	6°15	9°27	14°33	18°17	24°23	5° 1	21°59	3°12	17°56	17°36	15°52	n.a.	T 21
F 22	15 42 22	25°55'21	14°29	5°52	10°21	15° 8	18°22	24°28	4°58	21°59	3°11	17°56	17°33	15°59	n.a.	F 22
S 23	15 46 19	26°52'28	27° 6	5°25	11°16	15°44	18°28	24°33	4°56	22° 0	3°10	17°55	17°29	16° 6	n.a.	S 23
S 24	15 50 15	27°49'35	9♑29	4°56	12°11	16°20	18°34	24°38	4°54	22° 0	3° 9	17°54	17°26	16°13	n.a.	S 24
M25	15 54 12	28°46'41	21°39	4°25	13° 6	16°56	18°40	24°43	4°52	22° 1	3° 8	17°52	17°23	16°19	n.a.	M25
T 26	15 58 9	29°43'47	3♒40	3°52	14° 2	17°32	18°47	24°49	4°49	22° 2	3° 7	17°51	17°20	16°26	n.a.	T 26
W27	16 2 5	0♊40'54	15°35	3°17	14°59	18° 8	18°53	24°54	4°47	22° 2	3° 6	17°50	17°17	16°33	n.a.	W27
T 28	16 6 2	1°38'00	27°28	2°42	15°56	18°44	19° 0	25° 0	4°45	22° 3	3° 4	17°D49	17°14	16°40	n.a.	T 28
F 29	16 9 58	2°35'07	9♓25	2° 6	16°53	19°20	19° 7	25° 5	4°43	22° 4	3° 3	17°49	17°10	16°46	n.a.	F 29
S 30	16 13 55	3°32'13	21°28	1°31	17°51	19°56	19°13	25°11	4°41	22° 4	3° 2	17°50	17° 7	16°53	n.a.	S 30
S 31	16 17 51	4♊29'20	3♈44	0♊57	18♈49	20♋32	19♌20	25♋16	4♏39	22♌ 5	3♑ 1	17♏51	17♏ 4	17♒ 0	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n38	6s17	5n 7	22n21	2n13	2s56	0s31	25n15	1n34	17n18	1n24	22n47	1n 3	13s16	0n22	15n28	1n11	27s13	3s33	17s24	17s35	12s 1		n.a.
S 2	13 57	2 10	4 45	22 29	2 8	2 48	0 38	25 14	1 34	17 17	1 24	22 46	1 3	13 15	0 22	15 28	1 10	27 13	3 33	17 23	17 34	11 59		n.a.
S 3	14 16	2n 7	4 10	22 36	2 2	2 38	0 46	25 13	1 33	17 16	1 24	22 45	1 3	13 14	0 22	15 28	1 10	27 14	3 33	17 23	17 33	11 57		n.a.
M 4	14 35	6 24	3 22	22 40	1 56	2 29	0 53	25 11	1 33	17 14	1 24	22 45	1 3	13 13	0 22	15 28	1 10	27 14	3 33	17 22	17 32	11 55		n.a.
T 5	14 54	10 29	2 24	22 43	1 48	2 18	0 59	25 9	1 32	17 13	1 24	22 44	1 3	13 12	0 22	15 28	1 10	27 14	3 34	17 22	17 31	11 53		n.a.
W 6	15 12	14 11	1 16	22 44	1 40	2 7	1 6	25 8	1 32	17 12	1 23	22 43	1 3	13 12	0 22	15 28	1 10	27 14	3 34	17 22	17 30	11 51		n.a.
T 7	15 30	17 14	0 4	22 43	1 30	1 55	1 12	25 6	1 32	17 11	1 23	22 43	1 3	13 11	0 22	15 28	1 10	27 14	3 34	17 22	17 29	11 49		n.a.
F 8	15 48	19 24	1s11	22 40	1 20	1 43	1 19	25 3	1 31	17 10	1 23	22 42	1 3	13 10	0 22	15 28	1 10	27 14	3 34	17 22	17 28	11 47		n.a.
S 9	16 5	20 27	2 22	22 35	1 9	1 30	1 24	25 1	1 31	17 8	1 23	22 41	1 3	13 9	0 22	15 28	1 10	27 15	3 34	17 22	17 27	11 45		n.a.
S 10	16 22	20 16	3 27	22 29	0 58	1 17	1 30	24 59	1 31	17 7	1 23	22 41	1 3	13 8	0 22	15 28	1 10	27 15	3 34	17 22	17 27	11 43		n.a.
M11	16 39	18 49	4 19	22 21	0 45	1 3	1 35	24 56	1 30	17 5	1 22	22 40	1 3	13 7	0 22	15 28	1 10	27 15	3 35	17 22	17 26	11 41		n.a.
T 12	16 56	16 12	4 56	22 11	0 32	0 49	1 41	24 53	1 30	17 4	1 22	22 39	1 3	13 7	0 22	15 28	1 10	27 15	3 35	17 22	17 25	11 39		n.a.
W13	17 12	12 37	5 15	22 1	0 18	0 34	1 46	24 50	1 29	17 2	1 22	22 38	1 3	13 6	0 22	15 28	1 10	27 15	3 35	17 22	17 24	11 37		n.a.
T 14	17 29	8 19	5 14	21 48	0 4	0 19	1 50	24 47	1 29	17 1	1 22	22 38	1 3	13 5	0 22	15 28	1 10	27 16	3 35	17 22	17 23	11 35		n.a.
F 15	17 45	3 33	4 55	21 34	0s11	0 3	1 55	24 44	1 29	16 59	1 22	22 37	1 3	13 4	0 22	15 28	1 10	27 16	3 35	17 22	17 22	11 33		n.a.
S 16	18 0	1s22	4 18	21 19	0 27	0n14	1 59	24 40	1 28	16 57	1 21	22 36	1 3	13 4	0 22	15 27	1 10	27 16	3 35	17 22	17 21	11 31		n.a.
S 17	18 16	6 11	3 25	21 3	0 43	0 30	2 3	24 37	1 28	16 56	1 21	22 35	1 3	13 3	0 22	15 27	1 10	27 16	3 36	17 22	17 20	11 29		n.a.
M18	18 31	10 38	2 22	20 46	0 59	0 47	2 7	24 33	1 27	16 54	1 21	22 34	1 3	13 2	0 22	15 27	1 10	27 16	3 36	17 22	17 19	11 27		n.a.
T 19	18 45	14 28	1 11	20 28	1 15	1 5	2 11	24 29	1 27	16 52	1 21	22 33	1 3	13 1	0 22	15 27	1 10	27 16	3 36	17 23	17 19	11 25		n.a.
W20	19 0	17 29	0n 3	20 9	1 32	1 22	2 15	24 25	1 27	16 50	1 21	22 32	1 3	13 0	0 22	15 27	1 10	27 17	3 36	17 23	17 18	11 23		n.a.
T 21	19 14	19 30	1 15	19 49	1 49	1 41	2 18	24 20	1 26	16 48	1 20	22 32	1 3	13 0	0 22	15 27	1 10	27 17	3 36	17 23	17 17	11 21		n.a.
F 22	19 28	20 27	2 22	19 29	2 5	1 59	2 21	24 16	1 26	16 46	1 20	22 31	1 3	12 59	0 22	15 27	1 10	27 17	3 36	17 22	17 16	11 19		n.a.
S 23	19 41	20 21	3 20	19 8	2 21	2 18	2 24	24 11	1 25	16 44	1 20	22 30	1 3	12 58	0 22	15 26	1 10	27 17	3 36	17 22	17 15	11 17		n.a.
S 24	19 54	19 15	4 8	18 48	2 37	2 37	2 27	24 7	1 25	16 42	1 20	22 29	1 3	12 57	0 22	15 26	1 10	27 17	3 37	17 22	17 14	11 15		n.a.
M25	20 7	17 17	4 44	18 27	2 52	2 56	2 30	24 2	1 25	16 40	1 20	22 28	1 3	12 57	0 22	15 26	1 10	27 18	3 37	17 21	17 13	11 13		n.a.
T 26	20 20	14 36	5 6	18 7	3 7	3 16	2 32	23 57	1 24	16 38	1 19	22 27	1 3	12 56	0 22	15 26	1 10	27 18	3 37	17 21	17 12	11 11		n.a.
W27	20 32	11 19	5 16	17 47	3 20	3 36	2 34	23 51	1 24	16 35	1 19	22 26	1 3	12 55	0 22	15 25	1 10	27 18	3 37	17 21	17 11	11 9		n.a.
T 28	20 44	7 37	5 12	17 28	3 33	3 56	2 36	23 46	1 23	16 33	1 19	22 25	1 3	12 55	0 22	15 25	1 10	27 18	3 37	17 21	17 10	11 7		n.a.
F 29	20 55	3 36	4 54	17 10	3 44	4 16	2 38	23 40	1 23	16 31	1 19	22 24	1 3	12 54	0 22	15 25	1 10	27 18	3 37	17 21	17 9	11 5		n.a.
S 30	21 6	0n36	4 23	16 53	3 54	4 37	2 40	23 35	1 22	16 29	1 19	22 23	1 3	12 53	0 22	15 25	1 10	27 18	3 37	17 21	17 9	11 3		n.a.
S 31	21n17	4n52	3n40	16n37	4s 3	4n58	2s42	23n29	1n22	16n26	1n19	22n22	1n 3	12s52	0n22	15n24	1n10	27s19	3s38	17s21	17s 8	11s 1		n.a.

Julian Day Number = 1647397.5, Delta T = 03h32m57s
Ecliptic obliquity = 23°43'05, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°52'00, Lahiri = - 6°45'00 Julian Calendar 1 May 203 BCE == Greg. Calendar 27 Apr. 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

JUNE 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 21 48	5♊26'27	16♈15	0°R25	19♈48	21♋ 8	19♌27	25♋22	4°R37	22♌ 6	3°R 0	17♏53	17♏ 1	17♒ 6	n.a.	M 1
T 2	16 25 44	6°23'35	29° 6	29♉55	20°47	21°44	19°35	25°28	4♏35	22° 7	2♑59	17°54	16°58	17°13	n.a.	T 2
W 3	16 29 41	7°20'42	12♉18	29°27	21°46	22°21	19°42	25°34	4°33	22° 7	2°57	17°R55	16°55	17°20	n.a.	W 3
T 4	16 33 38	8°17'50	25°52	29° 3	22°46	22°57	19°50	25°40	4°31	22° 8	2°56	17°54	16°51	17°27	n.a.	T 4
F 5	16 37 34	9°14'58	9♊47	28°43	23°46	23°33	19°57	25°46	4°29	22° 9	2°55	17°53	16°48	17°33	n.a.	F 5
S 6	16 41 31	10°12'07	23°59	28°26	24°46	24°10	20° 5	25°52	4°27	22°10	2°54	17°51	16°45	17°40	n.a.	S 6
S 7	16 45 27	11° 9'15	8♋24	28°14	25°46	24°46	20°13	25°58	4°25	22°11	2°52	17°48	16°42	17°47	n.a.	S 7
M 8	16 49 24	12° 6'24	22°56	28° 7	26°47	25°23	20°21	26° 4	4°24	22°12	2°51	17°45	16°39	17°54	n.a.	M 8
T 9	16 53 20	13° 3'32	7♌29	28°D 4	27°49	25°59	20°29	26°10	4°22	22°13	2°50	17°42	16°35	18° 0	n.a.	T 9
W10	16 57 17	14° 0'41	21°58	28° 7	28°50	26°36	20°37	26°16	4°20	22°14	2°48	17°40	16°32	18° 7	n.a.	W10
T 11	17 1 14	14°57'49	6♍17	28°14	29°52	27°13	20°46	26°23	4°18	22°15	2°47	17°38	16°29	18°14	n.a.	T 11
F 12	17 5 10	15°54'57	20°25	28°27	0♉54	27°49	20°54	26°29	4°17	22°16	2°46	17°D38	16°26	18°20	n.a.	F 12
S 13	17 9 7	16°52'06	4♎20	28°45	1°56	28°26	21° 3	26°35	4°15	22°17	2°44	17°39	16°23	18°27	n.a.	S 13
S 14	17 13 3	17°49'14	18° 0	29° 9	2°59	29° 3	21°11	26°42	4°14	22°19	2°43	17°41	16°20	18°34	n.a.	S 14
M15	17 17 0	18°46'23	1♏27	29°38	4° 2	29°40	21°20	26°48	4°12	22°20	2°42	17°42	16°16	18°41	n.a.	M15
T 16	17 20 56	19°43'32	14°40	0♊12	5° 5	0♌17	21°29	26°55	4°11	22°21	2°40	17°R43	16°13	18°47	n.a.	T 16
W17	17 24 53	20°40'42	27°40	0°52	6° 8	0°54	21°38	27° 1	4° 9	22°22	2°39	17°42	16°10	18°54	n.a.	W17
T 18	17 28 49	21°37'52	10♐29	1°36	7°11	1°31	21°47	27° 8	4° 8	22°24	2°38	17°40	16° 7	19° 1	n.a.	T 18
F 19	17 32 46	22°35'02	23° 5	2°27	8°15	2° 8	21°56	27°15	4° 6	22°25	2°36	17°37	16° 4	19° 8	n.a.	F 19
S 20	17 36 43	23°32'13	5♑30	3°22	9°19	2°45	22° 6	27°21	4° 5	22°26	2°35	17°32	16° 1	19°14	n.a.	S 20
S 21	17 40 39	24°29'25	17°45	4°22	10°23	3°22	22°15	27°28	4° 4	22°27	2°33	17°26	15°57	19°21	n.a.	S 21
M22	17 44 36	25°26'38	29°50	5°28	11°28	3°59	22°24	27°35	4° 2	22°29	2°32	17°19	15°54	19°28	n.a.	M22
T 23	17 48 32	26°23'51	11♒49	6°38	12°33	4°36	22°34	27°42	4° 1	22°30	2°31	17°12	15°51	19°34	n.a.	T 23
W24	17 52 29	27°21'05	23°42	7°53	13°37	5°13	22°44	27°49	4° 0	22°32	2°29	17° 7	15°48	19°41	n.a.	W24
T 25	17 56 25	28°18'21	5♓34	9°13	14°43	5°51	22°53	27°55	3°59	22°33	2°28	17° 3	15°45	19°48	n.a.	T 25
F 26	18 0 22	29°15'37	17°29	10°38	15°48	6°28	23° 3	28° 2	3°58	22°35	2°26	17° 0	15°41	19°55	n.a.	F 26
S 27	18 4 18	0♋12'54	29°31	12° 7	16°53	7° 5	23°13	28° 9	3°57	22°36	2°25	16°D59	15°38	20° 1	n.a.	S 27
S 28	18 8 15	1°10'13	11♈44	13°40	17°59	7°43	23°23	28°16	3°56	22°38	2°24	17° 0	15°35	20° 8	n.a.	S 28
M29	18 12 12	2° 7'32	24°14	15°17	19° 5	8°20	23°34	28°23	3°55	22°39	2°22	17° 1	15°32	20°15	n.a.	M29
T 30	18 16 8	3♋ 4'53	7♉ 5	16♊59	20♉11	8♌58	23♌44	28♋30	3♏54	22♌41	2♑21	17♏ 2	15♏29	20♒21	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n28	9n 1	2n46	16n23	4s11	5n19	2s43	23n23	1n22	16n24	1n18	22n21	1n 3	12s52	0n22	15n24	1n10	27s19	3s38	17s21	17s 7	10s59		n.a.
T 2	21 38	12 52	1 42	16 11	4 17	5 40	2 45	23 17	1 21	16 21	1 18	22 20	1 3	12 51	0 22	15 24	1 10	27 19	3 38	17 22	17 6	10 57		n.a.
W 3	21 47	16 12	0 31	16 1	4 21	6 1	2 46	23 10	1 21	16 19	1 18	22 18	1 3	12 50	0 22	15 24	1 10	27 19	3 38	17 22	17 5	10 55		n.a.
T 4	21 57	18 44	0s44	15 53	4 24	6 22	2 47	23 4	1 20	16 16	1 18	22 17	1 3	12 50	0 22	15 23	1 10	27 19	3 38	17 22	17 4	10 53		n.a.
F 5	22 6	20 14	1 58	15 47	4 26	6 44	2 48	22 57	1 20	16 14	1 18	22 16	1 3	12 49	0 22	15 23	1 10	27 19	3 38	17 22	17 3	10 51		n.a.
S 6	22 14	20 29	3 6	15 44	4 26	7 5	2 48	22 50	1 20	16 11	1 18	22 15	1 3	12 49	0 22	15 23	1 9	27 20	3 38	17 21	17 2	10 49		n.a.
S 7	22 22	19 25	4 3	15 42	4 24	7 27	2 49	22 43	1 19	16 8	1 17	22 14	1 3	12 48	0 22	15 22	1 9	27 20	3 39	17 20	17 1	10 47		n.a.
M 8	22 30	17 4	4 45	15 43	4 22	7 49	2 50	22 36	1 19	16 6	1 17	22 13	1 3	12 47	0 22	15 22	1 9	27 20	3 39	17 19	17 0	10 45		n.a.
T 9	22 38	13 38	5 9	15 46	4 18	8 11	2 50	22 29	1 18	16 3	1 17	22 12	1 3	12 47	0 22	15 22	1 9	27 20	3 39	17 19	16 59	10 43		n.a.
W10	22 45	9 25	5 13	15 52	4 13	8 32	2 50	22 21	1 18	16 0	1 17	22 10	1 3	12 46	0 22	15 21	1 9	27 20	3 39	17 18	16 59	10 41		n.a.
T 11	22 52	4 42	4 57	16 0	4 6	8 54	2 50	22 14	1 17	15 57	1 17	22 9	1 3	12 46	0 22	15 21	1 9	27 20	3 39	17 17	16 58	10 39		n.a.
F 12	22 58	0s12	4 24	16 10	3 59	9 16	2 50	22 6	1 17	15 54	1 17	22 8	1 3	12 45	0 22	15 20	1 9	27 20	3 39	17 17	16 57	10 37		n.a.
S 13	23 4	5 2	3 35	16 22	3 51	9 38	2 50	21 58	1 17	15 51	1 16	22 7	1 3	12 45	0 22	15 20	1 9	27 21	3 39	17 18	16 56	10 35		n.a.
S 14	23 9	9 32	2 35	16 36	3 42	10 0	2 50	21 50	1 16	15 48	1 16	22 6	1 3	12 44	0 22	15 20	1 9	27 21	3 39	17 18	16 55	10 33		n.a.
M15	23 14	13 29	1 28	16 52	3 32	10 21	2 49	21 41	1 16	15 45	1 16	22 4	1 3	12 44	0 22	15 19	1 9	27 21	3 39	17 18	16 54	10 31		n.a.
T 16	23 19	16 41	0 17	17 9	3 21	10 43	2 49	21 33	1 15	15 42	1 16	22 3	1 3	12 43	0 22	15 19	1 9	27 21	3 40	17 19	16 53	10 29		n.a.
W17	23 23	18 59	0n54	17 28	3 10	11 5	2 48	21 25	1 15	15 39	1 16	22 2	1 3	12 43	0 22	15 18	1 9	27 21	3 40	17 19	16 52	10 27		n.a.
T 18	23 27	20 17	2 1	17 49	2 58	11 27	2 47	21 16	1 14	15 36	1 16	22 0	1 3	12 42	0 22	15 18	1 9	27 21	3 40	17 18	16 51	10 25		n.a.
F 19	23 30	20 32	3 1	18 11	2 46	11 48	2 46	21 7	1 14	15 33	1 16	21 59	1 3	12 42	0 22	15 17	1 9	27 21	3 40	17 17	16 50	10 23		n.a.
S 20	23 33	19 45	3 51	18 34	2 33	12 9	2 45	20 58	1 14	15 30	1 15	21 58	1 3	12 41	0 22	15 17	1 9	27 22	3 40	17 16	16 49	10 21		n.a.
S 21	23 36	18 4	4 29	18 58	2 20	12 31	2 44	20 49	1 13	15 26	1 15	21 57	1 3	12 41	0 22	15 17	1 9	27 22	3 40	17 14	16 48	10 19		n.a.
M22	23 38	15 36	4 55	19 23	2 6	12 52	2 43	20 40	1 13	15 23	1 15	21 55	1 3	12 41	0 22	15 16	1 9	27 22	3 40	17 12	16 47	10 17		n.a.
T 23	23 40	12 31	5 8	19 49	1 53	13 13	2 42	20 30	1 12	15 20	1 15	21 54	1 3	12 40	0 22	15 16	1 9	27 22	3 40	17 10	16 46	10 15		n.a.
W24	23 41	8 56	5 8	20 15	1 39	13 34	2 40	20 21	1 12	15 17	1 15	21 52	1 3	12 40	0 21	15 15	1 9	27 22	3 40	17 8	16 46	10 13		n.a.
T 25	23 42	5 2	4 54	20 41	1 25	13 55	2 39	20 11	1 11	15 13	1 15	21 51	1 3	12 39	0 21	15 15	1 9	27 22	3 41	17 7	16 45	10 11		n.a.
F 26	23 43	0 54	4 27	21 7	1 12	14 15	2 37	20 1	1 11	15 10	1 15	21 50	1 3	12 39	0 21	15 14	1 9	27 22	3 41	17 6	16 44	10 9		n.a.
S 27	23 43	3n17	3 49	21 33	0 58	14 36	2 35	19 51	1 10	15 6	1 15	21 48	1 3	12 39	0 21	15 14	1 9	27 22	3 41	17 6	16 43	10 7		n.a.
S 28	23 43	7 26	2 59	21 58	0 44	14 56	2 34	19 41	1 10	15 3	1 14	21 47	1 3	12 38	0 21	15 13	1 9	27 23	3 41	17 6	16 42	10 5		n.a.
M29	23 42	11 22	2 0	22 23	0 31	15 16	2 32	19 31	1 10	14 59	1 14	21 45	1 3	12 38	0 21	15 12	1 9	27 23	3 41	17 7	16 41	10 2		n.a.
T 30	23n41	14n53	0n54	22n46	0s18	15n35	2s30	19n20	1n 9	14n56	1n14	21n44	1n 3	12s38	0n21	15n12	1n 9	27s23	3s41	17s 7	16s40	10s 0		n.a.

Julian Day Number = 1647428.5, Delta T = 03h32m56s
Ecliptic obliquity = 23°43'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'56, Lahiri = - 6°44'56 Julian Calendar 1 June 203 BCE == Greg. Calendar 28 May 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

JULY 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 20 5	4♋ 2'15	20♉21	18♊44	21♉17	9♌35	23♌54	28♋38	3°R53	22♌42	2°R19	17°R 2	15♏26	20♒28	n.a.	W 1
T 2	18 24 1	4°59'39	4♊ 3	20°32	22°23	10°13	24° 4	28°45	3♏53	22°44	2♑18	17♏ 1	15°22	20°35	n.a.	T 2
F 3	18 27 58	5°57'03	18°12	22°23	23°30	10°51	24°15	28°52	3°52	22°46	2°16	16°58	15°19	20°42	n.a.	F 3
S 4	18 31 54	6°54'29	2♋43	24°18	24°37	11°28	24°25	28°59	3°51	22°47	2°15	16°53	15°16	20°48	n.a.	S 4
S 5	18 35 51	7°51'56	17°32	26°14	25°43	12° 6	24°36	29° 6	3°50	22°49	2°14	16°46	15°13	20°55	n.a.	S 5
M 6	18 39 48	8°49'24	2♌30	28°13	26°50	12°44	24°47	29°14	3°50	22°51	2°12	16°38	15°10	21° 2	n.a.	M 6
T 7	18 43 44	9°46'53	17°27	0♋13	27°58	13°22	24°58	29°21	3°49	22°52	2°11	16°30	15° 7	21° 9	n.a.	T 7
W 8	18 47 41	10°44'22	2♍16	2°15	29° 5	14° 0	25° 9	29°28	3°49	22°54	2° 9	16°24	15° 3	21°15	n.a.	W 8
T 9	18 51 37	11°41'53	16°49	4°17	0♊12	14°38	25°19	29°35	3°48	22°56	2° 8	16°19	15° 0	21°22	n.a.	T 9
F 10	18 55 34	12°39'25	1♎ 2	6°20	1°20	15°16	25°31	29°43	3°48	22°58	2° 7	16°17	14°57	21°29	n.a.	F 10
S 11	18 59 30	13°36'57	14°54	8°24	2°28	15°54	25°42	29°50	3°48	22°59	2° 5	16°D16	14°54	21°35	n.a.	S 11
S 12	19 3 27	14°34'31	28°25	10°27	3°36	16°32	25°53	29°58	3°47	23° 1	2° 4	16°17	14°51	21°42	n.a.	S 12
M13	19 7 23	15°32'05	11♏38	12°31	4°44	17°10	26° 4	0♌ 5	3°47	23° 3	2° 3	16°R17	14°47	21°49	n.a.	M13
T 14	19 11 20	16°29'41	24°34	14°34	5°52	17°48	26°15	0°12	3°47	23° 5	2° 1	16°17	14°44	21°56	n.a.	T 14
W15	19 15 17	17°27'18	7♐16	16°36	7° 0	18°26	26°27	0°20	3°47	23° 7	2° 0	16°15	14°41	22° 2	n.a.	W15
T 16	19 19 13	18°24'56	19°46	18°38	8° 8	19° 5	26°38	0°27	3°47	23° 9	1°58	16°11	14°38	22° 9	n.a.	T 16
F 17	19 23 10	19°22'35	2♑ 7	20°38	9°17	19°43	26°50	0°35	3°D47	23°11	1°57	16° 4	14°35	22°16	n.a.	F 17
S 18	19 27 6	20°20'16	14°20	22°38	10°26	20°21	27° 1	0°42	3°47	23°13	1°56	15°54	14°32	22°23	n.a.	S 18
S 19	19 31 3	21°17'58	26°25	24°36	11°34	21° 0	27°13	0°50	3°47	23°15	1°54	15°43	14°28	22°29	n.a.	S 19
M20	19 34 59	22°15'42	8♒24	26°34	12°43	21°38	27°24	0°57	3°47	23°17	1°53	15°31	14°25	22°36	n.a.	M20
T 21	19 38 56	23°13'27	20°19	28°30	13°52	22°17	27°36	1° 5	3°47	23°18	1°52	15°18	14°22	22°43	n.a.	T 21
W22	19 42 52	24°11'14	2♓11	0♌25	15° 2	22°55	27°48	1°12	3°47	23°20	1°51	15° 8	14°19	22°49	n.a.	W22
T 23	19 46 49	25° 9'02	14° 2	2°18	16°11	23°34	28° 0	1°20	3°48	23°22	1°49	14°59	14°16	22°56	n.a.	T 23
F 24	19 50 46	26° 6'52	25°56	4°10	17°20	24°12	28°12	1°27	3°48	23°25	1°48	14°52	14°13	23° 3	n.a.	F 24
S 25	19 54 42	27° 4'44	7♈56	6° 1	18°30	24°51	28°24	1°35	3°48	23°27	1°47	14°48	14° 9	23°10	n.a.	S 25
S 26	19 58 39	28° 2'38	20° 7	7°51	19°40	25°30	28°36	1°43	3°49	23°29	1°46	14°47	14° 6	23°16	n.a.	S 26
M27	20 2 35	29° 0'34	2♉33	9°39	20°49	26° 9	28°48	1°50	3°49	23°31	1°44	14°D47	14° 3	23°23	n.a.	M27
T 28	20 6 32	29°58'32	15°20	11°26	21°59	26°47	29° 0	1°58	3°50	23°33	1°43	14°R47	14° 0	23°30	n.a.	T 28
W29	20 10 28	0♌56'32	28°33	13°11	23° 9	27°26	29°12	2° 5	3°50	23°35	1°42	14°46	13°57	23°36	n.a.	W29
T 30	20 14 25	1°54'34	12♊13	14°55	24°20	28° 5	29°24	2°13	3°51	23°37	1°41	14°44	13°53	23°43	n.a.	T 30
F 31	20 18 21	2♌52'38	26♊23	16♌38	25♊30	28♌44	29♌36	2♌20	3♏52	23♌39	1♑40	14♏39	13♏50	23♒50	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23n39	17n45	0s18	23n 9	0s 5	15n55	2s28	19n10	1n 9	14n52	1n14	21n43	1n 4	12s38	0n21	15n11	1n 9	27s23	3s41	17s 7	16s39	9s58			n.a.
T 2	23 37	19 43	1 30	23 29	0n 7	16 14	2 26	18 59	1 8	14 49	1 14	21 41	1 4	12 37	0 21	15 11	1 9	27 23	3 41	17 7	16 38	9 56			n.a.
F 3	23 35	20 32	2 40	23 48	0 18	16 33	2 24	18 48	1 8	14 45	1 14	21 40	1 4	12 37	0 21	15 10	1 9	27 23	3 41	17 6	16 37	9 54			n.a.
S 4	23 32	20 1	3 40	24 5	0 29	16 52	2 21	18 37	1 7	14 41	1 14	21 38	1 4	12 37	0 21	15 10	1 9	27 23	3 41	17 4	16 36	9 52			n.a.
S 5	23 29	18 8	4 27	24 20	0 40	17 10	2 19	18 26	1 7	14 38	1 14	21 37	1 4	12 37	0 21	15 9	1 9	27 23	3 41	17 2	16 35	9 50			n.a.
M 6	23 25	15 1	4 57	24 32	0 50	17 28	2 17	18 15	1 6	14 34	1 13	21 35	1 4	12 37	0 21	15 9	1 9	27 23	3 41	17 0	16 34	9 48			n.a.
T 7	23 21	10 56	5 6	24 42	0 59	17 45	2 14	18 3	1 6	14 30	1 13	21 34	1 4	12 36	0 21	15 8	1 9	27 23	3 42	16 58	16 33	9 46			n.a.
W 8	23 17	6 13	4 54	24 49	1 7	18 3	2 12	17 52	1 5	14 26	1 13	21 32	1 4	12 36	0 21	15 7	1 9	27 24	3 42	16 56	16 32	9 44			n.a.
T 9	23 12	1 13	4 24	24 53	1 14	18 20	2 9	17 40	1 5	14 23	1 13	21 31	1 4	12 36	0 21	15 7	1 9	27 24	3 42	16 55	16 32	9 42			n.a.
F 10	23 6	3s44	3 38	24 55	1 21	18 36	2 6	17 28	1 5	14 19	1 13	21 29	1 4	12 36	0 21	15 6	1 9	27 24	3 42	16 54	16 31	9 40			n.a.
S 11	23 1	8 23	2 40	24 54	1 27	18 53	2 4	17 17	1 4	14 15	1 13	21 28	1 4	12 36	0 21	15 6	1 9	27 24	3 42	16 54	16 30	9 38			n.a.
S 12	22 55	12 30	1 34	24 50	1 32	19 8	2 1	17 5	1 4	14 11	1 13	21 26	1 4	12 36	0 21	15 5	1 9	27 24	3 42	16 54	16 29	9 36			n.a.
M13	22 48	15 54	0 25	24 43	1 37	19 24	1 58	16 52	1 3	14 7	1 13	21 25	1 4	12 36	0 21	15 4	1 9	27 24	3 42	16 54	16 28	9 34			n.a.
T 14	22 41	18 25	0n44	24 34	1 40	19 39	1 55	16 40	1 3	14 3	1 13	21 23	1 4	12 36	0 21	15 4	1 9	27 24	3 42	16 54	16 27	9 32			n.a.
W15	22 34	19 59	1 50	24 23	1 43	19 53	1 52	16 28	1 2	13 59	1 13	21 21	1 4	12 36	0 21	15 3	1 9	27 24	3 42	16 54	16 26	9 30			n.a.
T 16	22 26	20 31	2 49	24 8	1 45	20 7	1 49	16 15	1 2	13 55	1 13	21 20	1 4	12 36	0 21	15 2	1 9	27 24	3 42	16 52	16 25	9 28			n.a.
F 17	22 18	20 3	3 39	23 52	1 47	20 21	1 46	16 3	1 1	13 51	1 12	21 18	1 4	12 36	0 21	15 2	1 9	27 24	3 42	16 50	16 24	9 26			n.a.
S 18	22 9	18 40	4 18	23 33	1 47	20 34	1 43	15 50	1 1	13 47	1 12	21 17	1 4	12 36	0 21	15 1	1 9	27 24	3 42	16 47	16 23	9 24			n.a.
S 19	22 1	16 27	4 45	23 13	1 47	20 47	1 40	15 37	1 0	13 43	1 12	21 15	1 4	12 36	0 21	15 0	1 9	27 24	3 42	16 44	16 22	9 22			n.a.
M20	21 51	13 33	5 0	22 50	1 47	20 59	1 37	15 24	1 0	13 38	1 12	21 14	1 4	12 36	0 21	15 0	1 9	27 24	3 42	16 40	16 21	9 20			n.a.
T 21	21 42	10 8	5 1	22 26	1 46	21 11	1 34	15 11	0 59	13 34	1 12	21 12	1 4	12 36	0 21	14 59	1 9	27 25	3 42	16 37	16 20	9 18			n.a.
W22	21 32	6 20	4 49	21 59	1 44	21 22	1 31	14 58	0 59	13 30	1 12	21 10	1 5	12 36	0 21	14 58	1 9	27 25	3 42	16 34	16 19	9 16			n.a.
T 23	21 21	2 17	4 25	21 32	1 42	21 32	1 28	14 44	0 58	13 26	1 12	21 9	1 5	12 36	0 21	14 58	1 9	27 25	3 42	16 31	16 18	9 13			n.a.
F 24	21 10	1n51	3 49	21 3	1 39	21 42	1 24	14 31	0 58	13 22	1 12	21 7	1 5	12 36	0 21	14 57	1 9	27 25	3 42	16 29	16 17	9 11			n.a.
S 25	20 59	5 58	3 2	20 32	1 36	21 52	1 21	14 17	0 57	13 17	1 12	21 5	1 5	12 36	0 21	14 56	1 9	27 25	3 42	16 28	16 16	9 9			n.a.
S 26	20 48	9 54	2 7	20 1	1 33	22 1	1 18	14 4	0 57	13 13	1 12	21 4	1 5	12 37	0 21	14 56	1 9	27 25	3 43	16 28	16 15	9 7			n.a.
M27	20 36	13 30	1 4	19 28	1 29	22 9	1 15	13 50	0 56	13 9	1 12	21 2	1 5	12 37	0 21	14 55	1 9	27 25	3 43	16 27	16 14	9 5			n.a.
T 28	20 23	16 35	0s 3	18 54	1 24	22 17	1 11	13 36	0 56	13 5	1 12	21 0	1 5	12 37	0 21	14 54	1 9	27 25	3 43	16 28	16 13	9 3			n.a.
W29	20 11	18 54	1 12	18 19	1 19	22 25	1 8	13 22	0 56	13 0	1 12	20 59	1 5	12 37	0 21	14 54	1 9	27 25	3 43	16 27	16 12	9 1			n.a.
T 30	19 58	20 13	2 20	17 44	1 14	22 31	1 5	13 8	0 55	12 56	1 12	20 57	1 5	12 38	0 21	14 53	1 9	27 25	3 43	16 27	16 12	8 59			n.a.
F 31	19n45	20n19	3s21	17n 8	1n 9	22n37	1s 1	12n54	0n55	12n51	1n11	20n55	1n 5	12s38	0n21	14n52	1n 9	27s25	3s43	16s25	16s11	8s57			n.a.

Julian Day Number = 1647458.5, Delta T = 03h32m55s
Ecliptic obliquity = 23°43'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'52, Lahiri = - 6°44'52 Julian Calendar 1 July 203 BCE == Greg. Calendar 27 June 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

AUGUST 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 22 18	3♌50'44	11♋ 1	18♌20	26♊40	29♌23	29♌49	2♌28	3♏52	23♌41	1°R38	14°R31	13♏47	23♒57	n.a.	S 1
S 2	20 26 15	4°48'52	26° 1	20° 0	27°51	0♍ 2	0♍ 1	2°36	3°53	23°43	1♑37	14♏22	13°44	24° 3	n.a.	S 2
M 3	20 30 11	5°47'02	11♌14	21°40	29° 1	0°41	0°13	2°43	3°54	23°45	1°36	14°11	13°41	24°10	n.a.	M 3
T 4	20 34 8	6°45'13	26°30	23°18	0♋12	1°21	0°26	2°51	3°55	23°48	1°35	14° 0	13°38	24°17	n.a.	T 4
W 5	20 38 4	7°43'26	11♍37	24°54	1°23	2° 0	0°38	2°58	3°56	23°50	1°34	13°51	13°34	24°24	n.a.	W 5
T 6	20 42 1	8°41'41	26°27	26°30	2°34	2°39	0°51	3° 6	3°57	23°52	1°33	13°44	13°31	24°30	n.a.	T 6
F 7	20 45 57	9°39'57	10♎52	28° 4	3°44	3°18	1° 3	3°13	3°58	23°54	1°32	13°39	13°28	24°37	n.a.	F 7
S 8	20 49 54	10°38'15	24°51	29°37	4°56	3°58	1°16	3°21	3°59	23°56	1°31	13°37	13°25	24°44	n.a.	S 8
S 9	20 53 50	11°36'35	8♏23	1♍ 9	6° 7	4°37	1°28	3°28	4° 0	23°58	1°30	13°37	13°22	24°50	n.a.	S 9
M10	20 57 47	12°34'56	21°32	2°40	7°18	5°17	1°41	3°36	4° 1	24° 1	1°29	13°37	13°19	24°57	n.a.	M10
T 11	21 1 43	13°33'19	4♐20	4° 9	8°29	5°56	1°53	3°43	4° 3	24° 3	1°28	13°36	13°15	25° 4	n.a.	T 11
W12	21 5 40	14°31'44	16°52	5°38	9°41	6°36	2° 6	3°51	4° 4	24° 5	1°27	13°33	13°12	25°11	n.a.	W12
T 13	21 9 37	15°30'11	29°11	7° 5	10°52	7°15	2°19	3°58	4° 5	24° 7	1°26	13°28	13° 9	25°17	n.a.	T 13
F 14	21 13 33	16°28'39	11♑20	8°31	12° 4	7°55	2°32	4° 6	4° 7	24° 9	1°25	13°19	13° 6	25°24	n.a.	F 14
S 15	21 17 30	17°27'09	23°23	9°55	13°15	8°35	2°44	4°13	4° 8	24°12	1°24	13° 8	13° 3	25°31	n.a.	S 15
S 16	21 21 26	18°25'41	5♒21	11°19	14°27	9°15	2°57	4°21	4°10	24°14	1°23	12°55	12°59	25°37	n.a.	S 16
M17	21 25 23	19°24'15	17°15	12°41	15°39	9°54	3°10	4°28	4°11	24°16	1°22	12°41	12°56	25°44	n.a.	M17
T 18	21 29 19	20°22'50	29° 8	14° 2	16°51	10°34	3°23	4°36	4°13	24°18	1°22	12°27	12°53	25°51	n.a.	T 18
W19	21 33 16	21°21'28	11♓ 0	15°21	18° 3	11°14	3°36	4°43	4°14	24°21	1°21	12°14	12°50	25°58	n.a.	W19
T 20	21 37 12	22°20'08	22°53	16°39	19°15	11°54	3°49	4°50	4°16	24°23	1°20	12° 3	12°47	26° 4	n.a.	T 20
F 21	21 41 9	23°18'51	4♈49	17°55	20°27	12°34	4° 1	4°58	4°18	24°25	1°19	11°56	12°44	26°11	n.a.	F 21
S 22	21 45 6	24°17'35	16°52	19°10	21°40	13°14	4°14	5° 5	4°20	24°27	1°19	11°51	12°40	26°18	n.a.	S 22
S 23	21 49 2	25°16'22	29° 4	20°23	22°52	13°54	4°27	5°12	4°21	24°30	1°18	11°48	12°37	26°24	n.a.	S 23
M24	21 52 59	26°15'11	11♉29	21°35	24° 5	14°34	4°40	5°20	4°23	24°32	1°17	11°D48	12°34	26°31	n.a.	M24
T 25	21 56 55	27°14'03	24°13	22°45	25°17	15°15	4°53	5°27	4°25	24°34	1°16	11°R48	12°31	26°38	n.a.	T 25
W26	22 0 52	28°12'57	7♊20	23°53	26°30	15°55	5° 6	5°34	4°27	24°36	1°16	11°48	12°28	26°45	n.a.	W26
T 27	22 4 48	29°11'53	20°52	24°58	27°43	16°35	5°19	5°41	4°29	24°38	1°15	11°46	12°24	26°51	n.a.	T 27
F 28	22 8 45	0♍10'52	4♋54	26° 2	28°55	17°16	5°32	5°48	4°31	24°41	1°15	11°42	12°21	26°58	n.a.	F 28
S 29	22 12 41	1° 9'53	19°24	27° 3	0♌ 8	17°56	5°45	5°55	4°33	24°43	1°14	11°35	12°18	27° 5	n.a.	S 29
S 30	22 16 38	2° 8'57	4♌19	28° 2	1°21	18°37	5°58	6° 2	4°35	24°45	1°14	11°27	12°15	27°12	n.a.	S 30
M31	22 20 34	3♍ 8'03	19♌31	28♍58	2♌34	19♍17	6♍11	6♌10	4♏38	24♌47	1♑13	11♏17	12♏12	27♒18	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n31	19n 5	4s11	16n31	1n 3	22n43	0s58	12n40	0n54	12n47	1n11	20n54	1n 5	12s38	0n20	14n51	1n 9	27s25	3s43	16s23	16s10	8s55		n.a.
S 2	19 17	16 31	4 46	15 53	0 57	22 48	0 54	12 25	0 54	12 42	1 11	20 52	1 5	12 38	0 20	14 51	1 9	27 25	3 43	16 20	16 9	8 53		n.a.
M 3	19 3	12 48	5 0	15 15	0 51	22 52	0 51	12 11	0 53	12 38	1 11	20 50	1 5	12 39	0 20	14 50	1 9	27 25	3 43	16 17	16 8	8 51		n.a.
T 4	18 48	8 14	4 54	14 37	0 45	22 55	0 48	11 56	0 53	12 34	1 11	20 49	1 6	12 39	0 20	14 49	1 9	27 25	3 43	16 14	16 7	8 49		n.a.
W 5	18 33	3 11	4 26	13 58	0 38	22 58	0 44	11 42	0 52	12 29	1 11	20 47	1 6	12 39	0 20	14 49	1 9	27 25	3 43	16 11	16 6	8 47		n.a.
T 6	18 18	1s57	3 42	13 19	0 31	23 1	0 41	11 27	0 52	12 25	1 11	20 45	1 6	12 40	0 20	14 48	1 9	27 25	3 43	16 9	16 5	8 45		n.a.
F 7	18 2	6 51	2 44	12 39	0 24	23 2	0 38	11 12	0 51	12 20	1 11	20 44	1 6	12 40	0 20	14 47	1 9	27 25	3 43	16 7	16 4	8 43		n.a.
S 8	17 46	11 14	1 37	12 0	0 17	23 3	0 34	10 57	0 51	12 15	1 11	20 42	1 6	12 41	0 20	14 46	1 9	27 25	3 43	16 7	16 3	8 41		n.a.
S 9	17 30	14 54	0 28	11 20	0 9	23 4	0 31	10 42	0 50	12 11	1 11	20 40	1 6	12 41	0 20	14 46	1 9	27 25	3 43	16 7	16 2	8 38		n.a.
M10	17 14	17 41	0n42	10 40	0 2	23 3	0 27	10 27	0 49	12 6	1 11	20 39	1 6	12 41	0 20	14 45	1 9	27 25	3 43	16 6	16 1	8 36		n.a.
T 11	16 57	19 30	1 47	10 0	0s 6	23 2	0 24	10 12	0 49	12 2	1 11	20 37	1 6	12 42	0 20	14 44	1 9	27 25	3 43	16 6	16 0	8 34		n.a.
W12	16 40	20 19	2 46	9 21	0 14	23 1	0 21	9 57	0 48	11 57	1 11	20 35	1 6	12 42	0 20	14 43	1 9	27 25	3 43	16 5	15 59	8 32		n.a.
T 13	16 22	20 7	3 36	8 41	0 22	22 59	0 18	9 41	0 48	11 52	1 11	20 34	1 6	12 43	0 20	14 43	1 9	27 25	3 43	16 4	15 58	8 30		n.a.
F 14	16 5	19 0	4 15	8 1	0 30	22 56	0 14	9 26	0 47	11 48	1 11	20 32	1 6	12 43	0 20	14 42	1 9	27 26	3 43	16 1	15 57	8 28		n.a.
S 15	15 47	17 2	4 42	7 21	0 38	22 52	0 11	9 10	0 47	11 43	1 11	20 30	1 7	12 44	0 20	14 41	1 9	27 26	3 43	15 58	15 56	8 26		n.a.
S 16	15 29	14 21	4 57	6 42	0 46	22 48	0 8	8 55	0 46	11 38	1 11	20 28	1 7	12 44	0 20	14 40	1 9	27 26	3 43	15 54	15 55	8 24		n.a.
M17	15 10	11 6	4 59	6 3	0 54	22 43	0 4	8 39	0 46	11 34	1 11	20 27	1 7	12 45	0 20	14 40	1 9	27 26	3 43	15 49	15 54	8 22		n.a.
T 18	14 52	7 25	4 47	5 24	1 2	22 37	0 1	8 23	0 45	11 29	1 11	20 25	1 7	12 45	0 20	14 39	1 9	27 26	3 43	15 45	15 53	8 20		n.a.
W19	14 33	3 28	4 23	4 46	1 10	22 31	0n 2	8 7	0 45	11 24	1 11	20 23	1 7	12 46	0 20	14 38	1 9	27 26	3 43	15 41	15 52	8 18		n.a.
T 20	14 14	0n38	3 48	4 8	1 18	22 24	0 5	7 52	0 44	11 19	1 11	20 22	1 7	12 47	0 20	14 38	1 9	27 26	3 43	15 38	15 51	8 16		n.a.
F 21	13 54	4 43	3 2	3 30	1 27	22 16	0 8	7 36	0 44	11 15	1 11	20 20	1 7	12 47	0 20	14 37	1 9	27 26	3 43	15 35	15 50	8 14		n.a.
S 22	13 35	8 40	2 8	2 53	1 35	22 8	0 11	7 20	0 43	11 10	1 11	20 18	1 7	12 48	0 20	14 36	1 9	27 26	3 43	15 34	15 49	8 12		n.a.
S 23	13 15	12 19	1 7	2 17	1 43	21 59	0 14	7 4	0 43	11 5	1 11	20 17	1 7	12 49	0 20	14 35	1 9	27 26	3 43	15 33	15 48	8 10		n.a.
M24	12 55	15 29	0 2	1 41	1 51	21 50	0 17	6 47	0 42	11 0	1 11	20 15	1 8	12 49	0 20	14 35	1 9	27 26	3 43	15 33	15 47	8 8		n.a.
T 25	12 34	17 59	1s 5	1 6	1 59	21 39	0 20	6 31	0 42	10 55	1 11	20 13	1 8	12 50	0 20	14 34	1 9	27 26	3 43	15 33	15 46	8 5		n.a.
W26	12 14	19 38	2 11	0 31	2 7	21 29	0 23	6 15	0 41	10 51	1 11	20 12	1 8	12 51	0 20	14 33	1 9	27 26	3 43	15 33	15 45	8 3		n.a.
T 27	11 53	20 13	3 12	0s 2	2 15	21 17	0 26	5 59	0 41	10 46	1 11	20 10	1 8	12 51	0 20	14 32	1 9	27 26	3 43	15 32	15 44	8 1		n.a.
F 28	11 32	19 35	4 3	0 35	2 22	21 5	0 29	5 42	0 40	10 41	1 11	20 8	1 8	12 52	0 20	14 32	1 9	27 26	3 43	15 31	15 43	7 59		n.a.
S 29	11 11	17 40	4 40	1 6	2 30	20 52	0 32	5 26	0 39	10 36	1 11	20 7	1 8	12 53	0 20	14 31	1 9	27 26	3 43	15 29	15 42	7 57		n.a.
S 30	10 50	14 33	5 0	1 36	2 37	20 39	0 34	5 9	0 39	10 31	1 11	20 5	1 8	12 53	0 20	14 30	1 9	27 26	3 43	15 26	15 41	7 55		n.a.
M31	10n28	10n24	4s59	2s 5	2s44	20n25	0n37	4n53	0n38	10n26	1n11	20n 3	1n 8	12s54	0n20	14n29	1n 9	27s26	3s43	15s23	15s40	7s53		n.a.

Julian Day Number = 1647489.5, Delta T = 03h32m54s
Ecliptic obliquity = 23°43'04, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'48, Lahiri = - 6°44'47 Julian Calendar 1 Aug. 203 BCE == Greg. Calendar 28 July 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

SEPTEMBER 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 24 31	4♍ 7'11	4♍51	29♍51	3♌47	19♍58	6♍24	6♌17	4♏40	24♌50	1°R13	11°R 7	12♏ 9	27♒25	n.a.	T 1
W 2	22 28 28	5° 6'21	20° 6	0♎41	5° 1	20°38	6°37	6°24	4°42	24°52	1♉12	10♏58	12° 5	27°32	n.a.	W 2
T 3	22 32 24	6° 5'33	5♎ 6	1°27	6°14	21°19	6°50	6°30	4°44	24°54	1°12	10°51	12° 2	27°38	n.a.	T 3
F 4	22 36 21	7° 4'47	19°43	2° 9	7°27	22° 0	7° 4	6°37	4°47	24°56	1°11	10°47	11°59	27°45	n.a.	F 4
S 5	22 40 17	8° 4'03	3♏52	2°48	8°40	22°41	7°17	6°44	4°49	24°58	1°11	10°45	11°56	27°52	n.a.	S 5
S 6	22 44 14	9° 3'21	17°33	3°22	9°54	23°21	7°30	6°51	4°52	25° 1	1°11	10°D45	11°53	27°59	n.a.	S 6
M 7	22 48 10	10° 2'41	0♐46	3°50	11° 7	24° 2	7°43	6°58	4°54	25° 3	1°10	10°46	11°50	28° 5	n.a.	M 7
T 8	22 52 7	11° 2'03	13°35	4°14	12°21	24°43	7°56	7° 5	4°57	25° 5	1°10	10°R46	11°46	28°12	n.a.	T 8
W 9	22 56 3	12° 1'27	26° 5	4°31	13°35	25°24	8° 9	7°11	4°59	25° 7	1°10	10°45	11°43	28°19	n.a.	W 9
T 10	23 0 0	13° 0'52	8♑20	4°43	14°48	26° 5	8°22	7°18	5° 2	25° 9	1° 9	10°42	11°40	28°25	n.a.	T 10
F 11	23 3 57	14° 0'20	20°24	4°R47	16° 2	26°46	8°35	7°25	5° 4	25°11	1° 9	10°36	11°37	28°32	n.a.	F 11
S 12	23 7 53	14°59'49	2♒21	4°44	17°16	27°28	8°48	7°31	5° 7	25°14	1° 9	10°28	11°34	28°39	n.a.	S 12
S 13	23 11 50	15°59'20	14°15	4°33	18°30	28° 9	9° 1	7°38	5°10	25°16	1° 9	10°18	11°30	28°46	n.a.	S 13
M14	23 15 46	16°58'53	26° 7	4°15	19°43	28°50	9°14	7°44	5°13	25°18	1° 9	10° 8	11°27	28°52	n.a.	M14
T 15	23 19 43	17°58'28	8♓ 0	3°48	20°57	29°31	9°27	7°50	5°15	25°20	1° 9	9°57	11°24	28°59	n.a.	T 15
W16	23 23 39	18°58'06	19°55	3°12	22°11	0♎13	9°40	7°57	5°18	25°22	1° 9	9°48	11°21	29° 6	n.a.	W16
T 17	23 27 36	19°57'45	1♈54	2°28	23°26	0°54	9°53	8° 3	5°21	25°24	1° 9	9°40	11°18	29°12	n.a.	T 17
F 18	23 31 32	20°57'26	13°58	1°35	24°40	1°35	10° 6	8° 9	5°24	25°26	1°D 9	9°35	11°15	29°19	n.a.	F 18
S 19	23 35 29	21°57'10	26° 9	0°36	25°54	2°17	10°19	8°15	5°27	25°28	1° 9	9°31	11°11	29°26	n.a.	S 19
S 20	23 39 25	22°56'56	8♉30	29♍30	27° 8	2°59	10°32	8°22	5°30	25°30	1° 9	9°D30	11° 8	29°33	n.a.	S 20
M21	23 43 22	23°56'44	21° 2	28°19	28°22	3°40	10°44	8°28	5°33	25°32	1° 9	9°31	11° 5	29°39	n.a.	M21
T 22	23 47 19	24°56'35	3♊50	27° 5	29°37	4°22	10°57	8°34	5°36	25°34	1° 9	9°32	11° 2	29°46	n.a.	T 22
W23	23 51 15	25°56'28	16°56	25°49	0♍51	5° 4	11°10	8°40	5°39	25°36	1° 9	9°33	10°59	29°53	n.a.	W23
T 24	23 55 12	26°56'23	0♋24	24°35	2° 6	5°45	11°23	8°46	5°42	25°38	1° 9	9°R34	10°55	29°59	n.a.	T 24
F 25	23 59 8	27°56'21	14°15	23°24	3°20	6°27	11°36	8°51	5°45	25°40	1° 9	9°33	10°52	0♓ 6	n.a.	F 25
S 26	0 3 5	28°56'21	28°30	22°18	4°35	7° 9	11°49	8°57	5°48	25°42	1°10	9°30	10°49	0°13	n.a.	S 26
S 27	0 7 1	29°56'23	13♌ 8	21°20	5°49	7°51	12° 1	9° 3	5°51	25°44	1°10	9°25	10°46	0°20	n.a.	S 27
M28	0 10 58	0♎56'28	28° 3	20°30	7° 4	8°33	12°14	9° 9	5°54	25°46	1°10	9°19	10°43	0°26	n.a.	M28
T 29	0 14 54	1°56'34	13♍ 8	19°52	8°19	9°15	12°27	9°14	5°58	25°48	1°10	9°13	10°40	0°33	n.a.	T 29
W30	0 18 51	2♎56'43	28♍13	19♍24	9♍33	9♎57	12♍39	9♌20	6♏ 1	25♌50	1♉11	9♏ 8	10♏36	0♓40	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n 7	5n33	4s37	2s32	2s50	20n10	0n40	4n36	0n38	10n22	1n11	20n 2	1n 8	12s55	0n20	14n29	1n 9	27s26	3s43	15s20	15s39	7s51		n.a.
W 2	9 45	0 22	3 55	2 58	2 57	19 55	0 42	4 19	0 37	10 17	1 11	20 0	1 9	12 56	0 20	14 28	1 9	27 26	3 43	15 17	15 38	7 49		n.a.
T 3	9 23	4s46	2 58	3 22	3 3	19 39	0 45	4 3	0 37	10 12	1 11	19 58	1 9	12 57	0 20	14 27	1 9	27 26	3 43	15 15	15 38	7 47		n.a.
F 4	9 1	9 29	1 50	3 44	3 8	19 23	0 47	3 46	0 36	10 7	1 11	19 57	1 9	12 57	0 20	14 26	1 9	27 26	3 43	15 14	15 37	7 45		n.a.
S 5	8 38	13 32	0 37	4 4	3 13	19 6	0 50	3 29	0 36	10 2	1 11	19 55	1 9	12 58	0 20	14 26	1 9	27 26	3 43	15 13	15 36	7 43		n.a.
S 6	8 16	16 41	0n36	4 22	3 18	18 49	0 52	3 12	0 35	9 57	1 11	19 53	1 9	12 59	0 20	14 25	1 9	27 26	3 43	15 13	15 35	7 41		n.a.
M 7	7 53	18 50	1 45	4 37	3 22	18 31	0 55	2 55	0 35	9 52	1 11	19 52	1 9	13 0	0 20	14 24	1 9	27 25	3 43	15 14	15 34	7 39		n.a.
T 8	7 31	19 57	2 46	4 50	3 25	18 12	0 57	2 38	0 34	9 47	1 11	19 50	1 9	13 1	0 20	14 23	1 9	27 25	3 43	15 14	15 33	7 36		n.a.
W 9	7 8	20 2	3 38	4 59	3 27	17 53	0 59	2 21	0 33	9 42	1 11	19 49	1 10	13 2	0 19	14 23	1 9	27 25	3 43	15 13	15 32	7 34		n.a.
T 10	6 45	19 9	4 18	5 4	3 28	17 33	1 1	2 4	0 33	9 38	1 11	19 47	1 10	13 3	0 19	14 22	1 9	27 25	3 43	15 12	15 31	7 32		n.a.
F 11	6 22	17 25	4 47	5 6	3 29	17 13	1 3	1 47	0 32	9 33	1 11	19 45	1 10	13 4	0 19	14 21	1 9	27 25	3 43	15 10	15 30	7 30		n.a.
S 12	5 59	14 58	5 2	5 5	3 28	16 53	1 5	1 30	0 32	9 28	1 11	19 44	1 10	13 4	0 19	14 21	1 9	27 25	3 43	15 8	15 29	7 28		n.a.
S 13	5 35	11 53	5 4	4 58	3 26	16 31	1 7	1 13	0 31	9 23	1 11	19 42	1 10	13 5	0 19	14 20	1 9	27 25	3 43	15 5	15 28	7 26		n.a.
M14	5 12	8 22	4 54	4 47	3 22	16 10	1 9	0 56	0 31	9 18	1 11	19 41	1 10	13 6	0 19	14 19	1 9	27 25	3 43	15 2	15 27	7 24		n.a.
T 15	4 48	4 30	4 30	4 32	3 17	15 48	1 11	0 39	0 30	9 13	1 11	19 39	1 10	13 7	0 19	14 19	1 9	27 25	3 43	14 58	15 26	7 22		n.a.
W16	4 25	0 27	3 54	4 11	3 10	15 25	1 13	0 22	0 29	9 8	1 11	19 38	1 11	13 8	0 19	14 18	1 9	27 25	3 43	14 55	15 25	7 20		n.a.
T 17	4 1	3n38	3 8	3 45	3 1	15 2	1 14	0 5	0 29	9 3	1 11	19 36	1 11	13 9	0 19	14 17	1 9	27 25	3 43	14 53	15 24	7 18		n.a.
F 18	3 37	7 37	2 13	3 14	2 50	14 39	1 16	0s12	0 28	8 58	1 11	19 35	1 11	13 10	0 19	14 16	1 9	27 25	3 43	14 51	15 23	7 16		n.a.
S 19	3 14	11 19	1 12	2 39	2 38	14 15	1 18	0 30	0 28	8 53	1 11	19 33	1 11	13 11	0 19	14 16	1 9	27 25	3 42	14 50	15 22	7 14		n.a.
S 20	2 50	14 35	0 5	1 59	2 23	13 51	1 19	0 47	0 27	8 48	1 12	19 32	1 11	13 12	0 19	14 15	1 9	27 25	3 42	14 50	15 21	7 12		n.a.
M21	2 26	17 14	1s 2	1 15	2 7	13 26	1 20	1 4	0 27	8 44	1 12	19 30	1 11	13 13	0 19	14 14	1 9	27 25	3 42	14 50	15 20	7 9		n.a.
T 22	2 2	19 4	2 8	0 29	1 49	13 1	1 22	1 21	0 26	8 39	1 12	19 29	1 12	13 14	0 19	14 14	1 9	27 25	3 42	14 50	15 19	7 7		n.a.
W23	1 38	19 56	3 9	0n19	1 30	12 35	1 23	1 39	0 25	8 34	1 12	19 27	1 12	13 15	0 19	14 13	1 9	27 25	3 42	14 51	15 18	7 5		n.a.
T 24	1 14	19 42	4 1	1 7	1 10	12 10	1 24	1 56	0 25	8 29	1 12	19 26	1 12	13 16	0 19	14 13	1 9	27 25	3 42	14 51	15 17	7 3		n.a.
F 25	0 50	18 18	4 41	1 54	0 49	11 43	1 25	2 13	0 24	8 24	1 12	19 25	1 12	13 17	0 19	14 12	1 9	27 25	3 42	14 50	15 16	7 1		n.a.
S 26	0 26	15 44	5 5	2 39	0 28	11 17	1 26	2 31	0 24	8 19	1 12	19 23	1 12	13 18	0 19	14 11	1 9	27 25	3 42	14 49	15 15	6 59		n.a.
S 27	0 1	12 7	5 10	3 21	0 8	10 50	1 27	2 48	0 23	8 14	1 12	19 22	1 12	13 20	0 19	14 11	1 9	27 25	3 42	14 48	15 14	6 57		n.a.
M28	0s23	7 42	4 54	3 59	0n11	10 23	1 28	3 5	0 22	8 9	1 12	19 21	1 13	13 21	0 19	14 10	1 9	27 25	3 42	14 46	15 13	6 55		n.a.
T 29	0 47	2 44	4 18	4 31	0 30	9 55	1 29	3 22	0 22	8 5	1 12	19 19	1 13	13 22	0 19	14 9	1 9	27 25	3 42	14 44	15 12	6 53		n.a.
W30	1s11	2s24	3s24	4n58	0n47	9n28	1n30	3s40	0n21	8n 0	1n12	19n18	1n13	13s23	0n19	14n 9	1n10	27s25	3s42	14s42	15s11	6s51		n.a.

Julian Day Number = 1647520.5, Delta T = 03h32m53s
Ecliptic obliquity = 23°43'05, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'44, Lahiri = - 6°44'43 Julian Calendar 1 Sept. 203 BCE == Greg. Calendar 28 Aug. 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

OCTOBER 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 22 48	3♎56'53	13♎ 9	19°R 8	10♍48	10♎39	12♍52	9♌25	6♏ 4	25♌52	1♑11	9°R 4	10♏33	0♓46	n.a.	T 1
F 2	0 26 44	4°57'06	27°47	19°D 3	12° 3	11°22	13° 5	9°30	6° 7	25°53	1°11	9♏ 2	10°30	0°53	n.a.	F 2
S 3	0 30 41	5°57'20	12♏ 2	19♍ 9	13°18	12° 4	13°17	9°36	6°11	25°55	1°12	9°D 2	10°27	1° 0	n.a.	S 3
S 4	0 34 37	6°57'36	25°49	19°27	14°33	12°46	13°30	9°41	6°14	25°57	1°12	9° 3	10°24	1° 7	n.a.	S 4
M 5	0 38 34	7°57'54	9♐10	19°54	15°47	13°28	13°42	9°46	6°17	25°59	1°13	9° 4	10°21	1°13	n.a.	M 5
T 6	0 42 30	8°58'13	22° 6	20°30	17° 2	14°11	13°55	9°51	6°21	26° 1	1°13	9° 6	10°17	1°20	n.a.	T 6
W 7	0 46 27	9°58'34	4♑40	21°15	18°17	14°53	14° 7	9°56	6°24	26° 2	1°14	9°R 7	10°14	1°27	n.a.	W 7
T 8	0 50 23	10°58'56	16°57	22° 7	19°32	15°36	14°19	10° 1	6°28	26° 4	1°14	9° 7	10°11	1°33	n.a.	T 8
F 9	0 54 20	11°59'20	29° 1	23° 6	20°47	16°18	14°32	10° 6	6°31	26° 6	1°15	9° 5	10° 8	1°40	n.a.	F 9
S 10	0 58 17	12°59'45	10♒57	24°10	22° 2	17° 1	14°44	10°11	6°34	26° 7	1°16	9° 3	10° 5	1°47	n.a.	S 10
S 11	1 2 13	14° 0'12	22°49	25°19	23°17	17°44	14°56	10°15	6°38	26° 9	1°16	8°59	10° 1	1°54	n.a.	S 11
M12	1 6 10	15° 0'40	4♓41	26°33	24°33	18°26	15° 8	10°20	6°41	26°11	1°17	8°55	9°58	2° 0	n.a.	M12
T 13	1 10 6	16° 1'10	16°35	27°50	25°48	19° 9	15°21	10°24	6°45	26°12	1°18	8°51	9°55	2° 7	n.a.	T 13
W14	1 14 3	17° 1'42	28°35	29°10	27° 3	19°52	15°33	10°29	6°48	26°14	1°18	8°47	9°52	2°14	n.a.	W14
T 15	1 17 59	18° 2'15	10♈43	0♎33	28°18	20°35	15°45	10°33	6°52	26°15	1°19	8°44	9°49	2°20	n.a.	T 15
F 16	1 21 56	19° 2'49	22°59	1°58	29°33	21°18	15°57	10°37	6°56	26°17	1°20	8°42	9°46	2°27	n.a.	F 16
S 17	1 25 52	20° 3'25	5♉26	3°25	0♎48	22° 1	16° 8	10°42	6°59	26°18	1°21	8°D42	9°42	2°34	n.a.	S 17
S 18	1 29 49	21° 4'03	18° 3	4°54	2° 4	22°44	16°20	10°46	7° 3	26°20	1°22	8°42	9°39	2°41	n.a.	S 18
M19	1 33 45	22° 4'43	0♊53	6°24	3°19	23°27	16°32	10°50	7° 6	26°21	1°22	8°43	9°36	2°47	n.a.	M19
T 20	1 37 42	23° 5'24	13°55	7°54	4°34	24°10	16°44	10°54	7°10	26°23	1°23	8°44	9°33	2°54	n.a.	T 20
W21	1 41 39	24° 6'07	27°12	9°26	5°50	24°53	16°55	10°57	7°14	26°24	1°24	8°45	9°30	3° 1	n.a.	W21
T 22	1 45 35	25° 6'52	10♋45	10°58	7° 5	25°37	17° 7	11° 1	7°17	26°25	1°25	8°46	9°27	3° 7	n.a.	T 22
F 23	1 49 32	26° 7'38	24°33	12°31	8°20	26°20	17°19	11° 5	7°21	26°27	1°26	8°R47	9°23	3°14	n.a.	F 23
S 24	1 53 28	27° 8'27	8♌37	14° 4	9°36	27° 3	17°30	11° 8	7°24	26°28	1°27	8°47	9°20	3°21	n.a.	S 24
S 25	1 57 25	28° 9'16	22°56	15°38	10°51	27°47	17°42	11°12	7°28	26°29	1°28	8°46	9°17	3°28	n.a.	S 25
M26	2 1 21	29°10'08	7♍27	17°12	12° 6	28°30	17°53	11°15	7°32	26°31	1°29	8°45	9°14	3°34	n.a.	M26
T 27	2 5 18	0♏11'01	22° 5	18°46	13°22	29°13	18° 4	11°18	7°35	26°32	1°30	8°44	9°11	3°41	n.a.	T 27
W28	2 9 14	1°11'55	6♎45	20°20	14°37	29°57	18°15	11°22	7°39	26°33	1°31	8°43	9° 7	3°48	n.a.	W28
T 29	2 13 11	2°12'51	21°20	21°54	15°53	0♏41	18°26	11°25	7°43	26°34	1°33	8°42	9° 4	3°54	n.a.	T 29
F 30	2 17 8	3°13'48	5♏44	23°28	17° 8	1°24	18°37	11°28	7°47	26°35	1°34	8°D42	9° 1	4° 1	n.a.	F 30
S 31	2 21 4	4♏14'47	19♏50	25♎ 2	18♎24	2♏ 8	18♍48	11♌30	7♏50	26♌36	1♑35	8♏42	8♏58	4♓ 8	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	1s35	7s20	2s17	5n19	1n 3	9n 0	1n31	3s57	0n21	7n55	1n12	19n17	1n13	13s24	0n19	14n 8	1n10	27s25	3s42	14s41	15s10	6s49			n.a.
F 2	1 59	11 45	1 1	5 33	1 17	8 31	1 31	4 14	0 20	7 50	1 12	19 15	1 13	13 25	0 19	14 8	1 10	27 25	3 42	14 40	15 9	6 47			n.a.
S 3	2 24	15 22	0n16	5 42	1 29	8 3	1 32	4 31	0 19	7 45	1 12	19 14	1 13	13 26	0 19	14 7	1 10	27 25	3 42	14 40	15 8	6 45			n.a.
S 4	2 48	17 58	1 31	5 45	1 40	7 34	1 32	4 49	0 19	7 41	1 13	19 13	1 14	13 27	0 19	14 6	1 10	27 25	3 42	14 41	15 7	6 42			n.a.
M 5	3 12	19 29	2 38	5 42	1 49	7 5	1 33	5 6	0 18	7 36	1 13	19 12	1 14	13 28	0 19	14 6	1 10	27 25	3 42	14 41	15 6	6 40			n.a.
T 6	3 36	19 55	3 34	5 35	1 56	6 36	1 33	5 23	0 18	7 31	1 13	19 10	1 14	13 30	0 19	14 5	1 10	27 25	3 42	14 42	15 5	6 38			n.a.
W 7	4 0	19 19	4 19	5 22	2 2	6 7	1 33	5 40	0 17	7 26	1 13	19 9	1 14	13 31	0 19	14 5	1 10	27 25	3 42	14 42	15 4	6 36			n.a.
T 8	4 24	17 49	4 51	5 6	2 7	5 37	1 33	5 57	0 16	7 22	1 13	19 8	1 14	13 32	0 19	14 4	1 10	27 25	3 42	14 42	15 3	6 34			n.a.
F 9	4 48	15 33	5 9	4 45	2 10	5 7	1 34	6 14	0 16	7 17	1 13	19 7	1 15	13 33	0 19	14 4	1 10	27 25	3 42	14 42	15 2	6 32			n.a.
S 10	5 11	12 40	5 13	4 21	2 12	4 37	1 34	6 32	0 15	7 12	1 13	19 6	1 15	13 34	0 19	14 3	1 10	27 25	3 42	14 41	15 1	6 30			n.a.
S 11	5 35	9 16	5 5	3 55	2 13	4 7	1 34	6 49	0 15	7 7	1 13	19 5	1 15	13 35	0 19	14 2	1 10	27 25	3 42	14 40	15 0	6 28			n.a.
M12	5 59	5 31	4 43	3 25	2 13	3 37	1 33	7 6	0 14	7 3	1 13	19 4	1 15	13 37	0 19	14 2	1 10	27 25	3 42	14 38	14 59	6 26			n.a.
T 13	6 22	1 32	4 9	2 53	2 12	3 7	1 33	7 23	0 13	6 58	1 13	19 3	1 15	13 38	0 19	14 1	1 10	27 25	3 42	14 37	14 57	6 24			n.a.
W14	6 46	2n32	3 23	2 20	2 11	2 36	1 33	7 40	0 13	6 53	1 14	19 2	1 16	13 39	0 19	14 1	1 10	27 25	3 42	14 36	14 56	6 22			n.a.
T 15	7 9	6 33	2 28	1 44	2 8	2 6	1 33	7 56	0 12	6 49	1 14	19 1	1 16	13 40	0 19	14 0	1 10	27 25	3 42	14 35	14 55	6 20			n.a.
F 16	7 33	10 22	1 26	1 7	2 5	1 35	1 32	8 13	0 12	6 44	1 14	19 0	1 16	13 41	0 19	14 0	1 10	27 25	3 42	14 34	14 54	6 17			n.a.
S 17	7 56	13 46	0 18	0 29	2 2	1 5	1 32	8 30	0 11	6 40	1 14	18 59	1 16	13 42	0 19	13 59	1 10	27 24	3 42	14 34	14 53	6 15			n.a.
S 18	8 19	16 35	0s51	0s10	1 58	0 34	1 31	8 47	0 10	6 35	1 14	18 58	1 16	13 44	0 19	13 59	1 10	27 24	3 42	14 34	14 52	6 13			n.a.
M19	8 42	18 37	2 0	0 50	1 54	0 3	1 31	9 4	0 10	6 31	1 14	18 57	1 17	13 45	0 19	13 59	1 10	27 24	3 42	14 34	14 51	6 11			n.a.
T 20	9 5	19 43	3 3	1 31	1 49	0s28	1 30	9 20	0 9	6 26	1 14	18 56	1 17	13 46	0 19	13 58	1 10	27 24	3 42	14 35	14 50	6 9			n.a.
W21	9 27	19 44	3 57	2 12	1 44	0 58	1 29	9 37	0 8	6 22	1 14	18 55	1 17	13 47	0 19	13 58	1 10	27 24	3 42	14 35	14 49	6 7			n.a.
T 22	9 50	18 38	4 40	2 53	1 38	1 29	1 29	9 53	0 8	6 17	1 15	18 54	1 17	13 48	0 19	13 57	1 10	27 24	3 42	14 35	14 48	6 5			n.a.
F 23	10 12	16 25	5 7	3 35	1 33	2 0	1 28	10 10	0 7	6 13	1 15	18 53	1 17	13 50	0 19	13 57	1 10	27 24	3 42	14 35	14 47	6 3			n.a.
S 24	10 34	13 13	5 17	4 17	1 27	2 31	1 27	10 26	0 7	6 8	1 15	18 53	1 18	13 51	0 19	13 56	1 10	27 24	3 42	14 35	14 46	6 1			n.a.
S 25	10 56	9 12	5 7	4 59	1 21	3 2	1 26	10 43	0 6	6 4	1 15	18 52	1 18	13 52	0 19	13 56	1 10	27 24	3 42	14 35	14 45	5 59			n.a.
M26	11 18	4 35	4 38	5 41	1 14	3 32	1 25	10 59	0 5	6 0	1 15	18 51	1 18	13 53	0 19	13 56	1 11	27 24	3 42	14 35	14 44	5 57			n.a.
T 27	11 40	0s21	3 51	6 23	1 8	4 3	1 24	11 15	0 5	5 55	1 15	18 50	1 18	13 55	0 19	13 55	1 11	27 24	3 42	14 34	14 43	5 55			n.a.
W28	12 2	5 17	2 48	7 5	1 2	4 34	1 23	11 31	0 4	5 51	1 15	18 50	1 18	13 56	0 19	13 55	1 11	27 24	3 42	14 34	14 42	5 53			n.a.
T 29	12 23	9 53	1 35	7 47	0 55	5 4	1 21	11 47	0 3	5 47	1 16	18 49	1 19	13 57	0 19	13 54	1 11	27 24	3 42	14 34	14 41	5 50			n.a.
F 30	12 44	13 51	0 16	8 28	0 48	5 35	1 20	12 3	0 3	5 43	1 16	18 48	1 19	13 58	0 19	13 54	1 11	27 24	3 42	14 34	14 40	5 48			n.a.
S 31	13s 5	16s55	1n 1	9s 9	0n42	6s 5	1n19	12s19	0n 2	5n38	1n16	18n48	1n19	13s59	0n19	13n54	1n11	27s24	3s42	14s34	14s39	5s46			n.a.

Julian Day Number = 1647550.5, Delta T = 03h32m52s
Ecliptic obliquity = 23°43'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'40, Lahiri = - 6°44'39 Julian Calendar 1 Oct. 203 BCE == Greg. Calendar 27 Sept. 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

NOVEMBER 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 25 1	5♏15'46	3♐36	26♎37	19♎39	2♏52	18♍59	11♌33	7♏54	26♌38	1♑36	8♏42	8♏55	4♓15	n.a.	S 1
M 2	2 28 57	6°16'47	16°59	28°11	20°55	3°36	19°10	11°36	7°58	26°39	1°37	8°42	8°52	4°21	n.a.	M 2
T 3	2 32 54	7°17'48	29°59	29°45	22°10	4°19	19°21	11°38	8° 1	26°40	1°39	8°43	8°48	4°28	n.a.	T 3
W 4	2 36 50	8°18'50	12♑38	1♏19	23°26	5° 3	19°31	11°41	8° 5	26°41	1°40	8°R43	8°45	4°35	n.a.	W 4
T 5	2 40 47	9°19'53	24°59	2°53	24°41	5°47	19°42	11°43	8° 9	26°42	1°41	8°43	8°42	4°41	n.a.	T 5
F 6	2 44 43	10°20'57	7♒ 6	4°27	25°57	6°31	19°52	11°45	8°12	26°42	1°42	8°D43	8°39	4°48	n.a.	F 6
S 7	2 48 40	11°22'01	19° 3	6° 2	27°12	7°15	20° 3	11°48	8°16	26°43	1°44	8°43	8°36	4°55	n.a.	S 7
S 8	2 52 37	12°23'06	0♓55	7°36	28°28	7°59	20°13	11°50	8°20	26°44	1°45	8°43	8°32	5° 2	n.a.	S 8
M 9	2 56 33	13°24'12	12°47	9°10	29°43	8°44	20°23	11°51	8°24	26°45	1°46	8°43	8°29	5° 8	n.a.	M 9
T 10	3 0 30	14°25'18	24°43	10°44	0♏59	9°28	20°33	11°53	8°27	26°46	1°48	8°44	8°26	5°15	n.a.	T 10
W11	3 4 26	15°26'24	6♈47	12°18	2°14	10°12	20°43	11°55	8°31	26°47	1°49	8°45	8°23	5°22	n.a.	W11
T 12	3 8 23	16°27'32	19° 2	13°52	3°30	10°56	20°53	11°57	8°35	26°47	1°51	8°45	8°20	5°28	n.a.	T 12
F 13	3 12 19	17°28'40	1♉30	15°27	4°45	11°41	21° 3	11°58	8°38	26°48	1°52	8°46	8°17	5°35	n.a.	F 13
S 14	3 16 16	18°29'48	14°14	17° 1	6° 1	12°25	21°12	11°59	8°42	26°49	1°54	8°R46	8°13	5°42	n.a.	S 14
S 15	3 20 12	19°30'57	27°13	18°35	7°16	13° 9	21°22	12° 1	8°46	26°49	1°55	8°45	8°10	5°48	n.a.	S 15
M16	3 24 9	20°32'07	10♊27	20°10	8°32	13°54	21°31	12° 2	8°49	26°50	1°57	8°44	8° 7	5°55	n.a.	M16
T 17	3 28 6	21°33'18	23°55	21°45	9°47	14°38	21°41	12° 3	8°53	26°50	1°58	8°43	8° 4	6° 2	n.a.	T 17
W18	3 32 2	22°34'29	7♋35	23°19	11° 3	15°23	21°50	12° 4	8°57	26°51	2° 0	8°41	8° 1	6° 9	n.a.	W18
T 19	3 35 59	23°35'41	21°26	24°54	12°18	16° 7	21°59	12° 5	9° 0	26°51	2° 1	8°39	7°58	6°15	n.a.	T 19
F 20	3 39 55	24°36'54	5♌25	26°30	13°34	16°52	22° 8	12° 6	9° 4	26°52	2° 3	8°37	7°54	6°22	n.a.	F 20
S 21	3 43 52	25°38'07	19°30	28° 5	14°50	17°37	22°17	12° 6	9° 7	26°52	2° 5	8°D37	7°51	6°29	n.a.	S 21
S 22	3 47 48	26°39'21	3♍40	29°40	16° 5	18°22	22°26	12° 7	9°11	26°53	2° 6	8°37	7°48	6°35	n.a.	S 22
M23	3 51 45	27°40'36	17°52	1♐16	17°21	19° 6	22°35	12° 7	9°15	26°53	2° 8	8°37	7°45	6°42	n.a.	M23
T 24	3 55 41	28°41'51	2♎ 5	2°52	18°36	19°51	22°43	12° 7	9°18	26°53	2° 9	8°39	7°42	6°49	n.a.	T 24
W25	3 59 38	29°43'07	16°15	4°28	19°52	20°36	22°52	12° 8	9°22	26°54	2°11	8°40	7°38	6°56	n.a.	W25
T 26	4 3 35	0♐44'23	0♏20	6° 5	21° 7	21°21	23° 0	12°R 8	9°25	26°54	2°13	8°41	7°35	7° 2	n.a.	T 26
F 27	4 7 31	1°45'39	14°17	7°41	22°23	22° 6	23° 8	12° 8	9°29	26°54	2°14	8°R41	7°32	7° 9	n.a.	F 27
S 28	4 11 28	2°46'56	28° 3	9°18	23°38	22°51	23°16	12° 7	9°32	26°54	2°16	8°40	7°29	7°16	n.a.	S 28
S 29	4 15 24	3°48'13	11♐34	10°55	24°54	23°36	23°24	12° 7	9°36	26°54	2°18	8°38	7°26	7°22	n.a.	S 29
M30	4 19 21	4♐49'30	24♐48	12♐33	26♏ 9	24♏21	23♍32	12♌ 7	9♏39	26♌55	2♑20	8♏34	7♏23	7♓29	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s26	18s56	2n14	9s50	0n35	6s35	1n17	12s35	0n 1	5n34	1n16	18n47	1n19	14s 1	0n19	13n53	1n11	27s24	3s42	14s34	14s38	5s44		n.a.
M 2	13 46	19 48	3 17	10 31	0 28	7 5	1 16	12 51	0 1	5 30	1 16	18 47	1 20	14 2	0 19	13 53	1 11	27 24	3 42	14 34	14 37	5 42		n.a.
T 3	14 6	19 35	4 8	11 11	0 22	7 35	1 14	13 6	0 0	5 26	1 16	18 46	1 20	14 3	0 19	13 53	1 11	27 24	3 42	14 34	14 36	5 40		n.a.
W 4	14 26	18 22	4 45	11 50	0 15	8 5	1 13	13 22	0s 0	5 22	1 17	18 46	1 20	14 4	0 19	13 53	1 11	27 24	3 42	14 34	14 35	5 38		n.a.
T 5	14 46	16 19	5 8	12 29	0 8	8 34	1 11	13 37	0 1	5 18	1 17	18 45	1 20	14 6	0 19	13 52	1 11	27 24	3 42	14 34	14 34	5 36		n.a.
F 6	15 6	13 36	5 17	13 8	0 1	9 3	1 10	13 53	0 2	5 14	1 17	18 45	1 20	14 7	0 19	13 52	1 11	27 24	3 42	14 34	14 33	5 34		n.a.
S 7	15 25	10 20	5 12	13 46	0s 5	9 33	1 8	14 8	0 2	5 10	1 17	18 44	1 21	14 8	0 19	13 52	1 11	27 24	3 42	14 34	14 32	5 32		n.a.
S 8	15 44	6 42	4 54	14 23	0 12	10 1	1 6	14 23	0 3	5 6	1 17	18 44	1 21	14 9	0 19	13 51	1 11	27 24	3 42	14 34	14 31	5 30		n.a.
M 9	16 3	2 47	4 23	15 0	0 18	10 30	1 4	14 38	0 4	5 2	1 17	18 44	1 21	14 10	0 19	13 51	1 11	27 24	3 42	14 34	14 30	5 28		n.a.
T 10	16 21	1n15	3 41	15 37	0 25	10 58	1 2	14 53	0 4	4 58	1 18	18 44	1 21	14 12	0 19	13 51	1 11	27 24	3 42	14 35	14 29	5 25		n.a.
W11	16 39	5 18	2 48	16 12	0 31	11 27	1 1	15 8	0 5	4 55	1 18	18 43	1 22	14 13	0 19	13 51	1 11	27 24	3 42	14 35	14 28	5 23		n.a.
T 12	16 57	9 11	1 47	16 47	0 37	11 54	0 59	15 22	0 6	4 51	1 18	18 43	1 22	14 14	0 19	13 51	1 11	27 24	3 42	14 35	14 27	5 21		n.a.
F 13	17 15	12 46	0 40	17 21	0 44	12 22	0 57	15 37	0 6	4 47	1 18	18 43	1 22	14 15	0 19	13 50	1 11	27 24	3 42	14 35	14 26	5 19		n.a.
S 14	17 32	15 49	0s30	17 54	0 50	12 49	0 55	15 51	0 7	4 43	1 18	18 43	1 22	14 16	0 19	13 50	1 11	27 24	3 42	14 35	14 25	5 17		n.a.
S 15	17 49	18 8	1 40	18 27	0 56	13 16	0 53	16 5	0 8	4 40	1 19	18 42	1 23	14 18	0 19	13 50	1 11	27 24	3 42	14 35	14 24	5 15		n.a.
M16	18 5	19 32	2 47	18 59	1 1	13 43	0 51	16 19	0 8	4 36	1 19	18 42	1 23	14 19	0 19	13 50	1 12	27 24	3 42	14 35	14 23	5 13		n.a.
T 17	18 22	19 50	3 45	19 29	1 7	14 9	0 49	16 33	0 9	4 33	1 19	18 42	1 23	14 20	0 19	13 50	1 12	27 24	3 42	14 34	14 22	5 11		n.a.
W18	18 38	18 59	4 31	19 59	1 12	14 35	0 46	16 47	0 9	4 29	1 19	18 42	1 23	14 21	0 19	13 50	1 12	27 24	3 42	14 34	14 20	5 9		n.a.
T 19	18 53	17 1	5 2	20 28	1 18	15 0	0 44	17 1	0 10	4 26	1 19	18 42	1 23	14 22	0 19	13 49	1 12	27 24	3 42	14 33	14 19	5 7		n.a.
F 20	19 9	14 2	5 15	20 56	1 23	15 26	0 42	17 15	0 11	4 22	1 20	18 42	1 24	14 23	0 19	13 49	1 12	27 24	3 42	14 32	14 18	5 5		n.a.
S 21	19 24	10 14	5 10	21 23	1 28	15 50	0 40	17 28	0 11	4 19	1 20	18 42	1 24	14 25	0 19	13 49	1 12	27 24	3 42	14 32	14 17	5 3		n.a.
S 22	19 38	5 50	4 46	21 49	1 32	16 15	0 38	17 41	0 12	4 15	1 20	18 42	1 24	14 26	0 19	13 49	1 12	27 24	3 42	14 32	14 16	5 0		n.a.
M23	19 52	1 6	4 5	22 14	1 37	16 38	0 35	17 54	0 13	4 12	1 20	18 42	1 24	14 27	0 19	13 49	1 12	27 24	3 42	14 32	14 15	4 58		n.a.
T 24	20 6	3s43	3 8	22 38	1 41	17 2	0 33	18 7	0 13	4 9	1 20	18 43	1 25	14 28	0 19	13 49	1 12	27 24	3 42	14 33	14 14	4 56		n.a.
W25	20 20	8 19	2 1	23 0	1 45	17 25	0 31	18 20	0 14	4 6	1 21	18 43	1 25	14 29	0 19	13 49	1 12	27 24	3 42	14 33	14 13	4 54		n.a.
T 26	20 33	12 26	0 46	23 21	1 49	17 47	0 29	18 33	0 15	4 3	1 21	18 43	1 25	14 30	0 19	13 49	1 12	27 24	3 42	14 34	14 12	4 52		n.a.
F 27	20 45	15 49	0n31	23 41	1 52	18 9	0 26	18 45	0 15	4 0	1 21	18 43	1 25	14 31	0 19	13 49	1 12	27 24	3 42	14 34	14 11	4 50		n.a.
S 28	20 58	18 15	1 45	24 0	1 55	18 31	0 24	18 57	0 16	3 57	1 21	18 44	1 26	14 33	0 19	13 49	1 12	27 24	3 42	14 33	14 10	4 48		n.a.
S 29	21 9	19 37	2 51	24 17	1 58	18 52	0 22	19 10	0 17	3 54	1 21	18 44	1 26	14 34	0 19	13 49	1 12	27 24	3 42	14 33	14 9	4 46		n.a.
M30	21s21	19s50	3n47	24s33	2s 1	19s12	0n19	19s21	0s17	3n51	1n22	18n44	1n26	14s35	0n19	13n49	1n12	27s24	3s42	14s31	14s 8	4s44		n.a.

Julian Day Number = 1647581.5, Delta T = 03h32m51s
Ecliptic obliquity = 23°43'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'35, Lahiri = - 6°44'35 Julian Calendar 1 Nov. 203 BCE == Greg. Calendar 28 Oct. 203 BCE

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ASTRODIENST EPHEMERIS for the year 203 BCE
geocentric

DECEMBER 203 BCE (-202) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 23 17	5♐50'47	7♉45	14♐10	27♏25	25♏ 6	23♍39	12°R 6	9♏43	26♌55	2♉21	8°R29	7♏19	7♓36	n.a.	T 1
W 2	4 27 14	6°52'04	20°23	15°48	28°41	25°51	23°47	12♌ 6	9°46	26°55	2°23	8♏24	7°16	7°42	n.a.	W 2
T 3	4 31 11	7°53'20	2♒45	17°26	29°56	26°37	23°54	12° 5	9°49	26°R55	2°25	8°20	7°13	7°49	n.a.	T 3
F 4	4 35 7	8°54'36	14°53	19° 4	1♑12	27°22	24° 2	12° 4	9°53	26°55	2°27	8°16	7°10	7°56	n.a.	F 4
S 5	4 39 4	9°55'52	26°51	20°42	2°27	28° 7	24° 9	12° 3	9°56	26°55	2°28	8°14	7° 7	8° 3	n.a.	S 5
S 6	4 43 0	10°57'07	8♓43	22°20	3°43	28°53	24°16	12° 2	9°59	26°54	2°30	8°D13	7° 4	8° 9	n.a.	S 6
M 7	4 46 57	11°58'22	20°34	23°57	4°58	29°38	24°22	12° 1	10° 3	26°54	2°32	8°13	7° 0	8°16	n.a.	M 7
T 8	4 50 53	12°59'36	2♈29	25°35	6°13	0♑23	24°29	12° 0	10° 6	26°54	2°34	8°14	6°57	8°23	n.a.	T 8
W 9	4 54 50	14° 0'50	14°33	27°12	7°29	1° 9	24°36	11°58	10° 9	26°54	2°36	8°16	6°54	8°29	n.a.	W 9
T 10	4 58 46	15° 2'03	26°51	28°49	8°44	1°54	24°42	11°57	10°12	26°54	2°38	8°18	6°51	8°36	n.a.	T 10
F 11	5 2 43	16° 3'15	9♉27	0♉26	10° 0	2°40	24°48	11°55	10°16	26°53	2°39	8°R18	6°48	8°43	n.a.	F 11
S 12	5 6 40	17° 4'27	22°23	2° 1	11°15	3°25	24°54	11°54	10°19	26°53	2°41	8°17	6°44	8°50	n.a.	S 12
S 13	5 10 36	18° 5'39	5♊40	3°36	12°31	4°11	25° 0	11°52	10°22	26°53	2°43	8°14	6°41	8°56	n.a.	S 13
M14	5 14 33	19° 6'49	19°18	5° 9	13°46	4°57	25° 6	11°50	10°25	26°52	2°45	8°10	6°38	9° 3	n.a.	M14
T 15	5 18 29	20° 8'00	3♋14	6°40	15° 2	5°42	25°12	11°48	10°28	26°52	2°47	8° 3	6°35	9°10	n.a.	T 15
W16	5 22 26	21° 9'09	17°24	8° 9	16°17	6°28	25°17	11°46	10°31	26°52	2°49	7°56	6°32	9°16	n.a.	W16
T 17	5 26 22	22°10'19	1♌44	9°36	17°32	7°14	25°22	11°44	10°34	26°51	2°51	7°49	6°29	9°23	n.a.	T 17
F 18	5 30 19	23°11'27	16° 6	11° 0	18°48	7°59	25°27	11°42	10°37	26°51	2°53	7°42	6°25	9°30	n.a.	F 18
S 19	5 34 16	24°12'36	0♍27	12°21	20° 3	8°45	25°32	11°39	10°40	26°50	2°55	7°38	6°22	9°36	n.a.	S 19
S 20	5 38 12	25°13'44	14°43	13°37	21°18	9°31	25°37	11°37	10°43	26°50	2°56	7°36	6°19	9°43	n.a.	S 20
M21	5 42 9	26°14'51	28°50	14°49	22°34	10°17	25°42	11°34	10°46	26°49	2°58	7°D35	6°16	9°50	n.a.	M21
T 22	5 46 5	27°15'58	12♎49	15°55	23°49	11° 3	25°46	11°32	10°49	26°48	3° 0	7°36	6°13	9°57	n.a.	T 22
W23	5 50 2	28°17'04	26°38	16°54	25° 5	11°49	25°51	11°29	10°51	26°48	3° 2	7°37	6°10	10° 3	n.a.	W23
T 24	5 53 58	29°18'10	10♏17	17°47	26°20	12°35	25°55	11°26	10°54	26°47	3° 4	7°R37	6° 6	10°10	n.a.	T 24
F 25	5 57 55	0♉19'15	23°46	18°31	27°35	13°21	25°59	11°23	10°57	26°46	3° 6	7°36	6° 3	10°17	n.a.	F 25
S 26	6 1 51	1°20'19	7♐ 6	19° 7	28°51	14° 7	26° 2	11°20	11° 0	26°45	3° 8	7°32	6° 0	10°23	n.a.	S 26
S 27	6 5 48	2°21'23	20°14	19°32	0♉ 6	14°53	26° 6	11°17	11° 2	26°45	3°10	7°26	5°57	10°30	n.a.	S 27
M28	6 9 45	3°22'26	3♉10	19°48	1°21	15°39	26° 9	11°14	11° 5	26°44	3°12	7°17	5°54	10°37	n.a.	M28
T 29	6 13 41	4°23'27	15°53	19°R52	2°37	16°25	26°13	11°10	11° 8	26°43	3°14	7° 7	5°50	10°43	n.a.	T 29
W30	6 17 38	5°24'27	28°24	19°45	3°52	17°12	26°16	11° 7	11°10	26°42	3°16	6°55	5°47	10°50	n.a.	W30
T 31	6 21 34	6♉25'27	10♒41	19♉27	5♉ 7	17♐58	26♍19	11♌ 4	11♏13	26♌41	3♉18	6♏44	5♏44	10♓57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s32	19s 0	4n29	24s48	2s 3	19s32	0n17	19s33	0s18	3n48	1n22	18n44	1n26	14s36	0n19	13n49	1n12	27s24	3s42	14s30	14s 7	4s42		n.a.
W 2	21 43	17 15	4 58	25 1	2 5	19 52	0 14	19 45	0 19	3 45	1 22	18 45	1 27	14 37	0 19	13 49	1 12	27 24	3 42	14 28	14 6	4 40		n.a.
T 3	21 53	14 43	5 11	25 12	2 6	20 11	0 12	19 56	0 19	3 42	1 22	18 45	1 27	14 38	0 19	13 49	1 12	27 24	3 42	14 27	14 5	4 38		n.a.
F 4	22 3	11 36	5 11	25 22	2 7	20 29	0 10	20 7	0 20	3 40	1 23	18 46	1 27	14 39	0 19	13 49	1 12	27 24	3 42	14 26	14 4	4 35		n.a.
S 5	22 12	8 4	4 57	25 30	2 7	20 47	0 7	20 18	0 21	3 37	1 23	18 46	1 27	14 40	0 19	13 49	1 13	27 24	3 42	14 25	14 3	4 33		n.a.
S 6	22 21	4 14	4 30	25 37	2 7	21 4	0 5	20 29	0 21	3 34	1 23	18 47	1 27	14 41	0 19	13 49	1 13	27 24	3 42	14 24	14 2	4 31		n.a.
M 7	22 29	0 14	3 52	25 41	2 7	21 20	0 2	20 40	0 22	3 32	1 23	18 47	1 28	14 42	0 19	13 49	1 13	27 24	3 42	14 25	14 1	4 29		n.a.
T 8	22 37	3n48	3 3	25 44	2 6	21 36	0s 0	20 50	0 23	3 30	1 24	18 48	1 28	14 43	0 19	13 49	1 13	27 24	3 42	14 25	14 0	4 27		n.a.
W 9	22 45	7 44	2 6	25 45	2 4	21 51	0 2	21 0	0 23	3 27	1 24	18 48	1 28	14 44	0 19	13 50	1 13	27 24	3 42	14 26	13 59	4 25		n.a.
T 10	22 52	11 26	1 2	25 45	2 2	22 6	0 5	21 10	0 24	3 25	1 24	18 49	1 28	14 45	0 19	13 50	1 13	27 24	3 42	14 26	13 57	4 23		n.a.
F 11	22 59	14 43	0s 6	25 42	1 59	22 20	0 7	21 20	0 24	3 23	1 24	18 50	1 29	14 46	0 19	13 50	1 13	27 24	3 42	14 26	13 56	4 21		n.a.
S 12	23 5	17 21	1 16	25 38	1 56	22 33	0 10	21 30	0 25	3 20	1 25	18 50	1 29	14 47	0 19	13 50	1 13	27 24	3 42	14 26	13 55	4 19		n.a.
S 13	23 11	19 9	2 23	25 31	1 51	22 45	0 12	21 39	0 26	3 18	1 25	18 51	1 29	14 48	0 19	13 50	1 13	27 24	3 42	14 25	13 54	4 17		n.a.
M14	23 16	19 54	3 24	25 23	1 46	22 57	0 14	21 48	0 26	3 16	1 25	18 52	1 29	14 49	0 19	13 50	1 13	27 24	3 43	14 23	13 53	4 15		n.a.
T 15	23 21	19 27	4 14	25 13	1 41	23 8	0 17	21 57	0 27	3 14	1 25	18 53	1 29	14 50	0 19	13 51	1 13	27 24	3 43	14 21	13 52	4 13		n.a.
W16	23 25	17 48	4 49	25 2	1 34	23 19	0 19	22 6	0 28	3 12	1 26	18 54	1 30	14 51	0 19	13 51	1 13	27 24	3 43	14 19	13 51	4 11		n.a.
T 17	23 29	15 1	5 7	24 48	1 26	23 29	0 21	22 14	0 28	3 10	1 26	18 54	1 30	14 52	0 19	13 51	1 13	27 24	3 43	14 17	13 50	4 8		n.a.
F 18	23 32	11 20	5 5	24 33	1 18	23 38	0 24	22 22	0 29	3 8	1 26	18 55	1 30	14 53	0 19	13 51	1 13	27 24	3 43	14 15	13 49	4 6		n.a.
S 19	23 35	7 0	4 44	24 16	1 8	23 46	0 26	22 30	0 30	3 7	1 26	18 56	1 30	14 54	0 19	13 51	1 13	27 24	3 43	14 13	13 48	4 4		n.a.
S 20	23 38	2 18	4 6	23 58	0 58	23 54	0 28	22 38	0 30	3 5	1 27	18 57	1 31	14 55	0 19	13 52	1 13	27 24	3 43	14 12	13 47	4 2		n.a.
M21	23 40	2s29	3 14	23 39	0 46	24 1	0 30	22 46	0 31	3 3	1 27	18 58	1 31	14 56	0 19	13 52	1 13	27 24	3 43	14 12	13 46	4 0		n.a.
T 22	23 41	7 6	2 10	23 19	0 34	24 7	0 33	22 53	0 32	3 2	1 27	18 59	1 31	14 57	0 19	13 52	1 13	27 24	3 43	14 12	13 45	3 58		n.a.
W23	23 42	11 18	0 59	22 58	0 20	24 12	0 35	23 0	0 32	3 0	1 28	19 0	1 31	14 58	0 19	13 52	1 13	27 24	3 43	14 13	13 44	3 56		n.a.
T 24	23 43	14 51	0n14	22 37	0 6	24 17	0 37	23 7	0 33	2 59	1 28	19 1	1 31	14 59	0 19	13 53	1 13	27 24	3 43	14 13	13 43	3 54		n.a.
F 25	23 43	17 33	1 26	22 16	0n10	24 21	0 39	23 13	0 33	2 58	1 28	19 2	1 32	14 59	0 19	13 53	1 13	27 24	3 43	14 12	13 42	3 52		n.a.
S 26	23 43	19 16	2 31	21 54	0 26	24 24	0 41	23 19	0 34	2 56	1 28	19 3	1 32	15 0	0 19	13 53	1 14	27 24	3 43	14 11	13 41	3 50		n.a.
S 27	23 42	19 54	3 28	21 34	0 43	24 26	0 43	23 25	0 35	2 55	1 29	19 4	1 32	15 1	0 19	13 54	1 14	27 24	3 43	14 9	13 39	3 48		n.a.
M28	23 40	19 28	4 13	21 14	1 1	24 28	0 45	23 31	0 35	2 54	1 29	19 5	1 32	15 2	0 19	13 54	1 14	27 24	3 43	14 6	13 38	3 46		n.a.
T 29	23 39	18 4	4 44	20 55	1 19	24 29	0 47	23 37	0 36	2 53	1 29	19 6	1 32	15 3	0 19	13 54	1 14	27 24	3 44	14 3	13 37	3 44		n.a.
W30	23 36	15 49	5 1	20 38	1 37	24 29	0 49	23 42	0 37	2 52	1 29	19 7	1 33	15 4	0 19	13 55	1 14	27 24	3 44	13 59	13 36	3 41		n.a.
T 31	23s34	12s54	5n 3	20s23	1n56	24s28	0s51	23s47	0s37	2n51	1n30	19n 8	1n33	15s 4	0n19	13n55	1n14	27s24	3s44	13s55	13s35	3s39		n.a.

Julian Day Number = 1647611.5, Delta T = 03h32m50s
Ecliptic obliquity = 23°43'03, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'31, Lahiri = - 6°44'31 Julian Calendar 1 Dec. 203 BCE == Greg. Calendar 27 Nov. 203 BCE

The year -202 astronomical counting style corresponds to year 203 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

JANUARY 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 25 31	7♉26'24	22♒46	18°R58	6♉22	18♐44	26♍21	11°R 0	11♏15	26°R40	3♉19	6°R34	5♏41	11♓ 4	n.a.	F 1
S 2	6 29 27	8°27'21	4♓43	18♉18	7°38	19°30	26°24	10♌57	11°18	26♌39	3°21	6♏26	5°38	11°10	n.a.	S 2
S 3	6 33 24	9°28'15	16°34	17°28	8°53	20°16	26°26	10°53	11°20	26°38	3°23	6°21	5°35	11°17	n.a.	S 3
M 4	6 37 20	10°29'09	28°23	16°31	10° 8	21° 3	26°28	10°49	11°22	26°37	3°25	6°18	5°31	11°24	n.a.	M 4
T 5	6 41 17	11°30'00	10♈16	15°26	11°23	21°49	26°30	10°45	11°25	26°36	3°27	6°D17	5°28	11°30	n.a.	T 5
W 6	6 45 14	12°30'51	22°17	14°17	12°38	22°35	26°32	10°41	11°27	26°35	3°29	6°17	5°25	11°37	n.a.	W 6
T 7	6 49 10	13°31'39	4♉33	13° 6	13°54	23°22	26°34	10°38	11°29	26°34	3°31	6°R18	5°22	11°44	n.a.	T 7
F 8	6 53 7	14°32'26	17° 9	11°53	15° 9	24° 8	26°35	10°34	11°31	26°33	3°33	6°17	5°19	11°50	n.a.	F 8
S 9	6 57 3	15°33'12	0♊ 7	10°42	16°24	24°55	26°36	10°29	11°33	26°32	3°35	6°15	5°16	11°57	n.a.	S 9
S 10	7 1 0	16°33'55	13°33	9°34	17°39	25°41	26°37	10°25	11°35	26°31	3°37	6°10	5°12	12° 4	n.a.	S 10
M11	7 4 56	17°34'38	27°25	8°31	18°54	26°28	26°38	10°21	11°37	26°30	3°38	6° 2	5° 9	12°11	n.a.	M11
T 12	7 8 53	18°35'18	11♋41	7°34	20° 9	27°14	26°39	10°17	11°39	26°28	3°40	5°52	5° 6	12°17	n.a.	T 12
W13	7 12 49	19°35'57	26°17	6°43	21°24	28° 1	26°39	10°13	11°41	26°27	3°42	5°41	5° 3	12°24	n.a.	W13
T 14	7 16 46	20°36'34	11♌ 5	6° 0	22°40	28°47	26°40	10° 8	11°43	26°26	3°44	5°29	5° 0	12°31	n.a.	T 14
F 15	7 20 43	21°37'10	25°56	5°24	23°55	29°34	26°R40	10° 4	11°45	26°25	3°46	5°19	4°56	12°37	n.a.	F 15
S 16	7 24 39	22°37'45	10♍41	4°56	25°10	0♉20	26°40	10° 0	11°47	26°23	3°48	5°11	4°53	12°44	n.a.	S 16
S 17	7 28 36	23°38'18	25°15	4°37	26°25	1° 7	26°39	9°55	11°49	26°22	3°50	5° 6	4°50	12°51	n.a.	S 17
M18	7 32 32	24°38'49	9♎33	4°25	27°40	1°53	26°39	9°51	11°50	26°21	3°51	5° 4	4°47	12°57	n.a.	M18
T 19	7 36 29	25°39'20	23°33	4°D20	28°55	2°40	26°38	9°46	11°52	26°19	3°53	5°D 3	4°44	13° 4	n.a.	T 19
W20	7 40 25	26°39'48	7♏15	4°22	0♒10	3°27	26°37	9°41	11°54	26°18	3°55	5°R 3	4°41	13°11	n.a.	W20
T 21	7 44 22	27°40'16	20°40	4°31	1°25	4°13	26°36	9°37	11°55	26°17	3°57	5° 2	4°37	13°17	n.a.	T 21
F 22	7 48 18	28°40'42	3♐51	4°46	2°40	5° 0	26°35	9°32	11°57	26°15	3°59	5° 0	4°34	13°24	n.a.	F 22
S 23	7 52 15	29°41'07	16°50	5° 7	3°55	5°47	26°34	9°28	11°58	26°14	4° 0	4°55	4°31	13°31	n.a.	S 23
S 24	7 56 12	0♒41'30	29°36	5°34	5°10	6°33	26°32	9°23	11°59	26°12	4° 2	4°46	4°28	13°38	n.a.	S 24
M25	8 0 8	1°41'51	12♉13	6° 5	6°25	7°20	26°30	9°18	12° 1	26°11	4° 4	4°35	4°25	13°44	n.a.	M25
T 26	8 4 5	2°42'10	24°40	6°41	7°39	8° 7	26°28	9°13	12° 2	26° 9	4° 6	4°21	4°22	13°51	n.a.	T 26
W27	8 8 1	3°42'28	6♒57	7°21	8°54	8°54	26°26	9° 9	12° 3	26° 8	4° 7	4° 7	4°18	13°58	n.a.	W27
T 28	8 11 58	4°42'44	19° 5	8° 5	10° 9	9°40	26°24	9° 4	12° 5	26° 6	4° 9	3°52	4°15	14° 4	n.a.	T 28
F 29	8 15 54	5°42'58	1♓ 4	8°53	11°24	10°27	26°21	8°59	12° 6	26° 5	4°11	3°39	4°12	14°11	n.a.	F 29
S 30	8 19 51	6°43'09	12°58	9°44	12°39	11°14	26°18	8°54	12° 7	26° 3	4°12	3°28	4° 9	14°18	n.a.	S 30
S 31	8 23 47	7♒43'19	24♓47	10♉39	13♒54	12♉ 1	26♍15	8♌50	12♏ 8	26♌ 2	4♉14	3♏20	4♏ 6	14♓24	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s30	9s29	4n52	20s 9	2n14	24s27	0s53	23s52	0s38	2n50	1n30	19n10	1n33	15s 5	0n19	13n55	1n14	27s24	3s44	13s52	13s34	3s37		n.a.
S 2	23 27	5 44	4 28	19 58	2 31	24 24	0 55	23 56	0 39	2 50	1 30	19 11	1 33	15 6	0 19	13 56	1 14	27 24	3 44	13 49	13 33	3 35		n.a.
S 3	23 22	1 47	3 53	19 48	2 47	24 21	0 57	24 0	0 39	2 49	1 31	19 12	1 33	15 7	0 19	13 56	1 14	27 24	3 44	13 47	13 32	3 33		n.a.
M 4	23 18	2n13	3 8	19 41	3 1	24 18	0 58	24 4	0 40	2 48	1 31	19 13	1 34	15 7	0 19	13 56	1 14	27 24	3 44	13 46	13 31	3 31		n.a.
T 5	23 13	6 10	2 14	19 36	3 14	24 13	1 0	24 8	0 40	2 48	1 31	19 14	1 34	15 8	0 19	13 57	1 14	27 24	3 44	13 46	13 30	3 29		n.a.
W 6	23 7	9 55	1 14	19 33	3 25	24 8	1 2	24 11	0 41	2 47	1 31	19 16	1 34	15 9	0 19	13 57	1 14	27 24	3 44	13 46	13 29	3 27		n.a.
T 7	23 1	13 20	0 9	19 32	3 33	24 2	1 3	24 14	0 42	2 47	1 32	19 17	1 34	15 9	0 19	13 58	1 14	27 24	3 44	13 46	13 28	3 25		n.a.
F 8	22 55	16 14	0s57	19 32	3 39	23 55	1 5	24 17	0 42	2 47	1 32	19 18	1 34	15 10	0 19	13 58	1 14	27 25	3 44	13 46	13 27	3 23		n.a.
S 9	22 48	18 24	2 3	19 34	3 43	23 48	1 6	24 20	0 43	2 46	1 32	19 19	1 34	15 11	0 19	13 59	1 14	27 25	3 45	13 45	13 26	3 21		n.a.
S 10	22 41	19 39	3 4	19 38	3 44	23 40	1 8	24 22	0 43	2 46	1 33	19 21	1 35	15 11	0 19	13 59	1 14	27 25	3 45	13 44	13 24	3 19		n.a.
M11	22 33	19 45	3 56	19 43	3 44	23 31	1 9	24 24	0 44	2 46	1 33	19 22	1 35	15 12	0 19	13 59	1 14	27 25	3 45	13 41	13 23	3 17		n.a.
T 12	22 25	18 38	4 35	19 50	3 41	23 21	1 11	24 26	0 45	2 46	1 33	19 23	1 35	15 13	0 19	14 0	1 14	27 25	3 45	13 38	13 22	3 15		n.a.
W13	22 16	16 16	4 57	19 57	3 36	23 11	1 12	24 27	0 45	2 46	1 33	19 25	1 35	15 13	0 19	14 0	1 14	27 25	3 45	13 34	13 21	3 12		n.a.
T 14	22 7	12 51	5 0	20 6	3 29	23 0	1 13	24 28	0 46	2 46	1 34	19 26	1 35	15 14	0 19	14 1	1 14	27 25	3 45	13 30	13 20	3 10		n.a.
F 15	21 58	8 36	4 42	20 15	3 22	22 48	1 14	24 29	0 46	2 47	1 34	19 27	1 35	15 14	0 19	14 1	1 14	27 25	3 45	13 27	13 19	3 8		n.a.
S 16	21 48	3 51	4 6	20 25	3 13	22 35	1 16	24 30	0 47	2 47	1 34	19 29	1 35	15 15	0 19	14 2	1 14	27 25	3 45	13 24	13 18	3 6		n.a.
S 17	21 37	1s 3	3 14	20 36	3 3	22 22	1 17	24 30	0 48	2 47	1 35	19 30	1 36	15 16	0 19	14 2	1 14	27 25	3 45	13 22	13 17	3 4		n.a.
M18	21 27	5 49	2 11	20 46	2 52	22 8	1 18	24 30	0 48	2 48	1 35	19 31	1 36	15 16	0 19	14 3	1 14	27 25	3 46	13 22	13 16	3 2		n.a.
T 19	21 15	10 11	1 1	20 58	2 41	21 54	1 19	24 30	0 49	2 48	1 35	19 33	1 36	15 17	0 19	14 3	1 14	27 25	3 46	13 21	13 15	3 0		n.a.
W20	21 4	13 54	0n12	21 9	2 30	21 39	1 20	24 30	0 49	2 49	1 35	19 34	1 36	15 17	0 19	14 4	1 15	27 25	3 46	13 21	13 14	2 58		n.a.
T 21	20 52	16 49	1 22	21 21	2 18	21 23	1 21	24 29	0 50	2 50	1 36	19 36	1 36	15 18	0 19	14 4	1 15	27 25	3 46	13 21	13 13	2 56		n.a.
F 22	20 40	18 47	2 26	21 32	2 6	21 7	1 21	24 28	0 50	2 50	1 36	19 37	1 36	15 18	0 19	14 5	1 15	27 25	3 46	13 20	13 12	2 54		n.a.
S 23	20 27	19 43	3 21	21 43	1 54	20 50	1 22	24 26	0 51	2 51	1 36	19 38	1 36	15 18	0 19	14 5	1 15	27 25	3 46	13 18	13 10	2 52		n.a.
S 24	20 14	19 37	4 6	21 54	1 42	20 32	1 23	24 25	0 52	2 52	1 36	19 40	1 37	15 19	0 19	14 6	1 15	27 25	3 46	13 16	13 9	2 50		n.a.
M25	20 1	18 33	4 37	22 5	1 30	20 14	1 23	24 23	0 52	2 53	1 37	19 41	1 37	15 19	0 19	14 6	1 15	27 26	3 46	13 12	13 8	2 48		n.a.
T 26	19 47	16 36	4 55	22 15	1 18	19 55	1 24	24 20	0 53	2 54	1 37	19 43	1 37	15 20	0 19	14 7	1 15	27 26	3 47	13 7	13 7	2 46		n.a.
W27	19 33	13 56	4 59	22 24	1 7	19 36	1 25	24 18	0 53	2 55	1 37	19 44	1 37	15 20	0 19	14 7	1 15	27 26	3 47	13 2	13 6	2 44		n.a.
T 28	19 18	10 42	4 49	22 33	0 55	19 16	1 25	24 15	0 54	2 56	1 38	19 45	1 37	15 20	0 19	14 8	1 15	27 26	3 47	12 57	13 5	2 41		n.a.
F 29	19 4	7 4	4 27	22 41	0 44	18 56	1 25	24 12	0 54	2 58	1 38	19 47	1 37	15 21	0 19	14 8	1 15	27 26	3 47	12 53	13 4	2 39		n.a.
S 30	18 49	3 12	3 52	22 48	0 33	18 35	1 26	24 9	0 55	2 59	1 38	19 48	1 37	15 21	0 19	14 9	1 15	27 26	3 47	12 49	13 3	2 37		n.a.
S 31	18s33	0n47	3n 8	22s55	0n22	18s13	1s26	24s 5	0s55	3n 0	1n38	19n49	1n37	15s21	0n19	14n10	1n15	27s26	3s47	12s46	13s 2	2s35		n.a.

Julian Day Number = 1647642.5, Delta T = 03h32m49s
Ecliptic obliquity = 23°43'03, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'27, Lahiri = - 6°44'27 Julian Calendar 1 Jan. 202 BCE == Greg. Calendar 28 Dec. 203 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

FEBRUARY 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 27 44	8♒43'26	6♈35	11♉36	15♒ 9	12♉47	26°R12	8°R45	12♏ 9	26°R 0	4♉16	3°R15	4♏ 2	14♓31	n.a.	M 1
T 2	8 31 41	9°43'31	18°26	12°36	16°23	13°34	26♍ 9	8♌40	12°10	25♌59	4°17	3♏13	3°59	14°38	n.a.	T 2
W 3	8 35 37	10°43'35	0♉25	13°39	17°38	14°21	26° 6	8°35	12°11	25°57	4°19	3°D12	3°56	14°44	n.a.	W 3
T 4	8 39 34	11°43'35	12°38	14°44	18°53	15° 8	26° 2	8°30	12°11	25°55	4°21	3°R12	3°53	14°51	n.a.	T 4
F 5	8 43 30	12°43'34	25° 9	15°51	20° 8	15°55	25°58	8°26	12°12	25°54	4°22	3°12	3°50	14°58	n.a.	F 5
S 6	8 47 27	13°43'30	8♊ 4	17° 1	21°22	16°41	25°54	8°21	12°13	25°52	4°24	3°10	3°47	15° 5	n.a.	S 6
S 7	8 51 23	14°43'24	21°26	18°12	22°37	17°28	25°50	8°16	12°14	25°51	4°25	3° 5	3°43	15°11	n.a.	S 7
M 8	8 55 20	15°43'16	5♋19	19°26	23°52	18°15	25°46	8°11	12°14	25°49	4°27	2°58	3°40	15°18	n.a.	M 8
T 9	8 59 16	16°43'06	19°41	20°41	25° 6	19° 2	25°41	8° 7	12°15	25°47	4°28	2°49	3°37	15°25	n.a.	T 9
W10	9 3 13	17°42'53	4♌27	21°58	26°21	19°49	25°37	8° 2	12°15	25°46	4°30	2°38	3°34	15°31	n.a.	W10
T 11	9 7 10	18°42'38	19°31	23°17	27°36	20°35	25°32	7°57	12°16	25°44	4°31	2°27	3°31	15°38	n.a.	T 11
F 12	9 11 6	19°42'21	4♍43	24°37	28°50	21°22	25°27	7°53	12°16	25°42	4°33	2°17	3°27	15°45	n.a.	F 12
S 13	9 15 3	20°42'02	19°51	25°59	0♓ 5	22° 9	25°22	7°48	12°17	25°41	4°34	2° 9	3°24	15°51	n.a.	S 13
S 14	9 18 59	21°41'41	4♎47	27°22	1°19	22°56	25°17	7°44	12°17	25°39	4°36	2° 4	3°21	15°58	n.a.	S 14
M15	9 22 56	22°41'18	19°23	28°47	2°34	23°43	25°11	7°39	12°17	25°37	4°37	2° 2	3°18	16° 5	n.a.	M15
T 16	9 26 52	23°40'53	3♏35	0♒13	3°48	24°30	25° 6	7°35	12°17	25°36	4°38	2°D 1	3°15	16°11	n.a.	T 16
W17	9 30 49	24°40'26	17°24	1°41	5° 3	25°16	25° 0	7°30	12°17	25°34	4°40	2° 1	3°12	16°18	n.a.	W17
T 18	9 34 45	25°39'58	0♐49	3°10	6°17	26° 3	24°54	7°26	12°18	25°33	4°41	2°R 2	3° 8	16°25	n.a.	T 18
F 19	9 38 42	26°39'28	13°54	4°41	7°32	26°50	24°49	7°21	12°R18	25°31	4°42	2° 0	3° 5	16°31	n.a.	F 19
S 20	9 42 38	27°38'56	26°42	6°13	8°46	27°37	24°43	7°17	12°18	25°29	4°44	1°56	3° 2	16°38	n.a.	S 20
S 21	9 46 35	28°38'22	9♑16	7°46	10° 0	28°24	24°36	7°13	12°17	25°28	4°45	1°50	2°59	16°45	n.a.	S 21
M22	9 50 32	29°37'46	21°38	9°21	11°15	29°10	24°30	7° 8	12°17	25°26	4°46	1°41	2°56	16°52	n.a.	M22
T 23	9 54 28	0♓37'08	3♒50	10°57	12°29	29°57	24°24	7° 4	12°17	25°24	4°48	1°31	2°53	16°58	n.a.	T 23
W24	9 58 25	1°36'29	15°55	12°34	13°43	0♒44	24°17	7° 0	12°17	25°23	4°49	1°19	2°49	17° 5	n.a.	W24
T 25	10 2 21	2°35'47	27°53	14°13	14°58	1°31	24°11	6°56	12°17	25°21	4°50	1° 7	2°46	17°12	n.a.	T 25
F 26	10 6 18	3°35'02	9♓47	15°53	16°12	2°18	24° 4	6°52	12°16	25°19	4°51	0°57	2°43	17°18	n.a.	F 26
S 27	10 10 14	4°34'16	21°37	17°34	17°26	3° 4	23°57	6°48	12°16	25°18	4°52	0°48	2°40	17°25	n.a.	S 27
S 28	10 14 11	5♓33'28	3♈25	19♒17	18♓40	3♒51	23♍50	6♌44	12♏15	25♌16	4♉53	0♏42	2♏37	17♓32	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s17	4n43	2n16	23s 0	0n12	17s51	1s26	24s 1	0s56	3n 2	1n39	19n51	1n37	15s22	0n19	14n10	1n15	27s26	3s47	12s45	13s 1	2s33		n.a.
T 2	18 1	8 30	1 17	23 5	0 2	17 29	1 26	23 57	0 56	3 3	1 39	19 52	1 37	15 22	0 19	14 11	1 15	27 26	3 48	12 44	13 0	2 31		n.a.
W 3	17 45	11 59	0 15	23 9	0s 8	17 6	1 26	23 53	0 57	3 5	1 39	19 54	1 38	15 22	0 19	14 11	1 15	27 26	3 48	12 43	12 59	2 29		n.a.
T 4	17 28	15 1	0s50	23 11	0 18	16 42	1 26	23 48	0 57	3 7	1 39	19 55	1 38	15 22	0 19	14 12	1 15	27 26	3 48	12 43	12 57	2 27		n.a.
F 5	17 11	17 26	1 54	23 12	0 27	16 18	1 26	23 43	0 58	3 8	1 40	19 56	1 38	15 23	0 19	14 12	1 15	27 26	3 48	12 43	12 56	2 25		n.a.
S 6	16 54	19 3	2 53	23 13	0 36	15 54	1 26	23 38	0 58	3 10	1 40	19 58	1 38	15 23	0 19	14 13	1 15	27 27	3 48	12 43	12 55	2 23		n.a.
S 7	16 36	19 41	3 46	23 12	0 44	15 29	1 26	23 32	0 59	3 12	1 40	19 59	1 38	15 23	0 19	14 14	1 15	27 27	3 48	12 41	12 54	2 21		n.a.
M 8	16 19	19 9	4 28	23 9	0 52	15 4	1 26	23 26	0 59	3 14	1 40	20 0	1 38	15 23	0 19	14 14	1 15	27 27	3 48	12 39	12 53	2 19		n.a.
T 9	16 0	17 25	4 54	23 6	1 0	14 39	1 25	23 20	1 0	3 16	1 40	20 1	1 38	15 23	0 19	14 15	1 15	27 27	3 49	12 35	12 52	2 17		n.a.
W10	15 42	14 30	5 1	23 1	1 7	14 13	1 25	23 14	1 0	3 18	1 41	20 3	1 38	15 24	0 19	14 15	1 15	27 27	3 49	12 32	12 51	2 15		n.a.
T 11	15 24	10 34	4 48	22 54	1 15	13 46	1 25	23 7	1 1	3 20	1 41	20 4	1 38	15 24	0 19	14 16	1 15	27 27	3 49	12 28	12 50	2 13		n.a.
F 12	15 5	5 56	4 15	22 47	1 21	13 20	1 24	23 0	1 1	3 22	1 41	20 5	1 38	15 24	0 19	14 16	1 15	27 27	3 49	12 24	12 49	2 11		n.a.
S 13	14 46	0 57	3 24	22 38	1 28	12 53	1 24	22 53	1 2	3 24	1 41	20 7	1 38	15 24	0 19	14 17	1 15	27 27	3 49	12 22	12 48	2 9		n.a.
S 14	14 26	4s 3	2 19	22 27	1 33	12 25	1 23	22 46	1 2	3 27	1 41	20 8	1 38	15 24	0 19	14 18	1 15	27 27	3 49	12 20	12 47	2 6		n.a.
M15	14 7	8 42	1 7	22 15	1 39	11 57	1 22	22 38	1 3	3 29	1 42	20 9	1 38	15 24	0 19	14 18	1 15	27 27	3 49	12 19	12 45	2 4		n.a.
T 16	13 47	12 44	0n 8	22 2	1 44	11 29	1 21	22 30	1 3	3 31	1 42	20 10	1 38	15 24	0 19	14 19	1 15	27 28	3 50	12 19	12 44	2 2		n.a.
W17	13 27	15 56	1 21	21 47	1 49	11 1	1 21	22 22	1 4	3 34	1 42	20 11	1 38	15 24	0 19	14 19	1 15	27 28	3 50	12 19	12 43	2 0		n.a.
T 18	13 7	18 10	2 27	21 31	1 53	10 33	1 20	22 14	1 4	3 36	1 42	20 13	1 38	15 24	0 19	14 20	1 15	27 28	3 50	12 19	12 42	1 58		n.a.
F 19	12 46	19 22	3 24	21 13	1 57	10 4	1 19	22 5	1 4	3 39	1 42	20 14	1 38	15 24	0 19	14 21	1 15	27 28	3 50	12 18	12 41	1 56		n.a.
S 20	12 26	19 32	4 9	20 53	2 1	9 35	1 18	21 56	1 5	3 42	1 43	20 15	1 38	15 24	0 19	14 21	1 15	27 28	3 50	12 17	12 40	1 54		n.a.
S 21	12 5	18 43	4 41	20 32	2 4	9 5	1 17	21 47	1 5	3 44	1 43	20 16	1 38	15 24	0 19	14 22	1 15	27 28	3 50	12 15	12 39	1 52		n.a.
M22	11 44	17 2	4 59	20 9	2 7	8 36	1 16	21 38	1 6	3 47	1 43	20 17	1 38	15 24	0 19	14 22	1 15	27 28	3 51	12 12	12 38	1 50		n.a.
T 23	11 23	14 36	5 3	19 45	2 9	8 6	1 14	21 28	1 6	3 49	1 43	20 18	1 38	15 24	0 19	14 23	1 15	27 28	3 51	12 8	12 37	1 48		n.a.
W24	11 2	11 34	4 54	19 19	2 11	7 36	1 13	21 19	1 7	3 52	1 43	20 19	1 38	15 24	0 19	14 23	1 15	27 29	3 51	12 4	12 36	1 46		n.a.
T 25	10 40	8 6	4 32	18 52	2 12	7 6	1 12	21 8	1 7	3 55	1 43	20 20	1 38	15 24	0 19	14 24	1 15	27 29	3 51	12 0	12 34	1 44		n.a.
F 26	10 18	4 20	3 58	18 22	2 13	6 35	1 11	20 58	1 7	3 58	1 43	20 21	1 38	15 24	0 19	14 25	1 15	27 29	3 51	11 56	12 33	1 42		n.a.
S 27	9 57	0 24	3 13	17 52	2 13	6 5	1 9	20 48	1 8	4 1	1 44	20 22	1 38	15 24	0 19	14 25	1 15	27 29	3 51	11 53	12 32	1 40		n.a.
S 28	9s35	3n31	2n21	17s19	2s13	5s34	1s 8	20s37	1s 8	4n 4	1n44	20n23	1n38	15s24	0n19	14n26	1n15	27s29	3s52	11s51	12s31	1s38		n.a.

Julian Day Number = 1647673.5, Delta T = 03h32m48s
Ecliptic obliquity = 23°43'03, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'23, Lahiri = - 6°44'22 Julian Calendar 1 Feb. 202 BCE == Greg. Calendar 28 Jan. 202 BCE

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

MARCH 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 18 7	6♓32'37	15♈14	21♒ 1	19♓55	4♒38	23°R43	6°R40	12°R15	25°R14	4♑54	0°R38	2♏33	17♓38	n.a.	M 1
T 2	10 22 4	7°31'44	27° 7	22°46	21° 9	5°24	23♍36	6♌36	12♏14	25♌13	4°56	0°D37	2°30	17°45	n.a.	T 2
W 3	10 26 0	8°30'48	9♉ 8	24°33	22°23	6°11	23°29	6°33	12°14	25°11	4°57	0♏37	2°27	17°52	n.a.	W 3
T 4	10 29 57	9°29'50	21°21	26°22	23°37	6°58	23°22	6°29	12°13	25°10	4°58	0°38	2°24	17°58	n.a.	T 4
F 5	10 33 54	10°28'50	3♊50	28°11	24°51	7°44	23°15	6°26	12°12	25° 8	4°59	0°39	2°21	18° 5	n.a.	F 5
S 6	10 37 50	11°27'48	16°41	0♓ 2	26° 5	8°31	23° 7	6°22	12°12	25° 6	5° 0	0°R39	2°18	18°12	n.a.	S 6
S 7	10 41 47	12°26'43	29°57	1°55	27°19	9°18	23° 0	6°19	12°11	25° 5	5° 1	0°38	2°14	18°18	n.a.	S 7
M 8	10 45 43	13°25'36	13♋42	3°49	28°33	10° 4	22°52	6°15	12°10	25° 3	5° 1	0°34	2°11	18°25	n.a.	M 8
T 9	10 49 40	14°24'26	27°57	5°44	29°47	10°51	22°45	6°12	12° 9	25° 2	5° 2	0°29	2° 8	18°32	n.a.	T 9
W10	10 53 36	15°23'14	12♌38	7°41	1♈ 1	11°38	22°37	6° 9	12° 8	25° 0	5° 3	0°23	2° 5	18°38	n.a.	W10
T 11	10 57 33	16°22'00	27°40	9°39	2°15	12°24	22°30	6° 6	12° 7	24°59	5° 4	0°16	2° 2	18°45	n.a.	T 11
F 12	11 1 29	17°20'43	12♍55	11°39	3°29	13°11	22°22	6° 3	12° 6	24°57	5° 5	0°10	1°59	18°52	n.a.	F 12
S 13	11 5 26	18°19'24	28°12	13°40	4°43	13°57	22°14	6° 0	12° 5	24°56	5° 6	0° 5	1°55	18°59	n.a.	S 13
S 14	11 9 23	19°18'03	13♎21	15°42	5°57	14°44	22° 7	5°57	12° 4	24°54	5° 6	0° 2	1°52	19° 5	n.a.	S 14
M15	11 13 19	20°16'41	28°11	17°45	7°10	15°30	21°59	5°54	12° 3	24°53	5° 7	0°D 1	1°49	19°12	n.a.	M15
T 16	11 17 16	21°15'16	12♏39	19°50	8°24	16°17	21°51	5°52	12° 2	24°51	5° 8	0° 2	1°46	19°19	n.a.	T 16
W17	11 21 12	22°13'50	26°40	21°55	9°38	17° 3	21°44	5°49	12° 0	24°50	5° 9	0° 3	1°43	19°25	n.a.	W17
T 18	11 25 9	23°12'22	10♐14	24° 1	10°52	17°49	21°36	5°47	11°59	24°48	5° 9	0° 4	1°39	19°32	n.a.	T 18
F 19	11 29 5	24°10'53	23°23	26° 8	12° 5	18°36	21°28	5°44	11°58	24°47	5°10	0°R 5	1°36	19°39	n.a.	F 19
S 20	11 33 2	25° 9'22	6♑11	28°15	13°19	19°22	21°21	5°42	11°56	24°46	5°10	0° 4	1°33	19°45	n.a.	S 20
S 21	11 36 58	26° 7'49	18°40	0♈22	14°33	20° 8	21°13	5°40	11°55	24°44	5°11	0° 2	1°30	19°52	n.a.	S 21
M22	11 40 55	27° 6'14	0♒56	2°30	15°46	20°55	21° 5	5°38	11°53	24°43	5°12	29♎59	1°27	19°59	n.a.	M22
T 23	11 44 52	28° 4'37	13° 0	4°37	17° 0	21°41	20°58	5°36	11°52	24°41	5°12	29°54	1°24	20° 5	n.a.	T 23
W24	11 48 48	29° 2'59	24°57	6°43	18°13	22°27	20°50	5°34	11°50	24°40	5°13	29°48	1°20	20°12	n.a.	W24
T 25	11 52 45	0♈ 1'19	6♓49	8°48	19°27	23°13	20°43	5°32	11°49	24°39	5°13	29°43	1°17	20°19	n.a.	T 25
F 26	11 56 41	0°59'37	18°39	10°53	20°40	24° 0	20°35	5°30	11°47	24°38	5°14	29°38	1°14	20°25	n.a.	F 26
S 27	12 0 38	1°57'53	0♈28	12°55	21°54	24°46	20°28	5°29	11°45	24°36	5°14	29°34	1°11	20°32	n.a.	S 27
S 28	12 4 34	2°56'08	12°18	14°56	23° 7	25°32	20°20	5°27	11°44	24°35	5°14	29°32	1° 8	20°39	n.a.	S 28
M29	12 8 31	3°54'20	24°12	16°54	24°20	26°18	20°13	5°26	11°42	24°34	5°15	29°D30	1° 4	20°45	n.a.	M29
T 30	12 12 27	4°52'31	6♉12	18°50	25°34	27° 4	20° 6	5°24	11°40	24°33	5°15	29°30	1° 1	20°52	n.a.	T 30
W31	12 16 24	5♈50'40	18♉20	20♈44	26♈47	27♒50	19♍59	5♌23	11♏38	24♌32	5♑15	29♎31	0♏58	20♓59	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	9s13	7n19	1n22	16s45	2s13	5s 3	1s 6	20s26	1s 8	4n 6	1n44	20n24	1n38	15s23	0n19	14n26	1n15	27s29	3s52	11s50	12s30	1s36			n.a.
T 2	8 51	10 51	0 19	16 9	2 12	4 32	1 5	20 15	1 9	4 9	1 44	20 25	1 38	15 23	0 19	14 27	1 15	27 29	3 52	11 49	12 29	1 34			n.a.
W 3	8 28	13 59	0s46	15 32	2 10	4 1	1 3	20 4	1 9	4 12	1 44	20 26	1 38	15 23	0 19	14 27	1 15	27 29	3 52	11 49	12 28	1 32			n.a.
T 4	8 6	16 33	1 49	14 53	2 8	3 30	1 1	19 52	1 10	4 15	1 44	20 27	1 38	15 23	0 19	14 28	1 15	27 30	3 52	11 50	12 27	1 30			n.a.
F 5	7 43	18 23	2 49	14 12	2 6	2 59	0 59	19 40	1 10	4 18	1 44	20 28	1 38	15 23	0 19	14 28	1 15	27 30	3 53	11 50	12 26	1 28			n.a.
S 6	7 21	19 21	3 43	13 30	2 3	2 27	0 58	19 28	1 10	4 21	1 44	20 29	1 38	15 22	0 19	14 29	1 15	27 30	3 53	11 50	12 25	1 25			n.a.
S 7	6 58	19 17	4 26	12 46	1 59	1 56	0 56	19 16	1 11	4 24	1 44	20 30	1 38	15 22	0 19	14 29	1 15	27 30	3 53	11 50	12 23	1 23			n.a.
M 8	6 35	18 6	4 56	12 0	1 55	1 24	0 54	19 4	1 11	4 27	1 44	20 31	1 38	15 22	0 19	14 30	1 15	27 30	3 53	11 48	12 22	1 21			n.a.
T 9	6 12	15 47	5 8	11 13	1 50	0 53	0 52	18 51	1 11	4 30	1 44	20 31	1 38	15 22	0 19	14 31	1 15	27 30	3 53	11 46	12 21	1 19			n.a.
W10	5 49	12 23	5 2	10 24	1 45	0 21	0 50	18 39	1 12	4 33	1 45	20 32	1 38	15 21	0 19	14 31	1 15	27 30	3 53	11 44	12 20	1 17			n.a.
T 11	5 26	8 8	4 34	9 34	1 39	0n10	0 48	18 26	1 12	4 37	1 45	20 33	1 38	15 21	0 19	14 32	1 15	27 31	3 54	11 42	12 19	1 15			n.a.
F 12	5 3	3 17	3 47	8 42	1 33	0 42	0 46	18 12	1 12	4 40	1 45	20 34	1 38	15 21	0 19	14 32	1 15	27 31	3 54	11 40	12 18	1 13			n.a.
S 13	4 40	1s47	2 44	7 49	1 26	1 13	0 44	17 59	1 12	4 43	1 45	20 34	1 38	15 20	0 19	14 33	1 15	27 31	3 54	11 38	12 17	1 11			n.a.
S 14	4 17	6 42	1 29	6 55	1 19	1 45	0 42	17 46	1 13	4 46	1 45	20 35	1 38	15 20	0 19	14 33	1 15	27 31	3 54	11 37	12 16	1 9			n.a.
M15	3 54	11 6	0 10	5 59	1 11	2 17	0 40	17 32	1 13	4 49	1 45	20 36	1 38	15 20	0 19	14 34	1 15	27 31	3 54	11 37	12 15	1 7			n.a.
T 16	3 30	14 44	1n 8	5 2	1 3	2 48	0 37	17 18	1 13	4 52	1 45	20 36	1 38	15 19	0 19	14 34	1 15	27 31	3 55	11 37	12 13	1 5			n.a.
W17	3 7	17 22	2 20	4 4	0 54	3 19	0 35	17 4	1 14	4 55	1 45	20 37	1 38	15 19	0 19	14 35	1 15	27 32	3 55	11 37	12 12	1 3			n.a.
T 18	2 44	18 55	3 22	3 5	0 45	3 51	0 33	16 50	1 14	4 58	1 45	20 38	1 38	15 18	0 19	14 35	1 15	27 32	3 55	11 38	12 11	1 1			n.a.
F 19	2 20	19 23	4 10	2 5	0 35	4 22	0 30	16 36	1 14	5 1	1 45	20 38	1 38	15 18	0 19	14 35	1 15	27 32	3 55	11 38	12 10	0 59			n.a.
S 20	1 57	18 49	4 45	1 5	0 25	4 53	0 28	16 21	1 14	5 4	1 45	20 39	1 38	15 17	0 19	14 36	1 15	27 32	3 55	11 38	12 9	0 57			n.a.
S 21	1 33	17 21	5 6	0 4	0 14	5 24	0 26	16 7	1 14	5 7	1 45	20 39	1 38	15 17	0 19	14 36	1 15	27 32	3 56	11 37	12 8	0 55			n.a.
M22	1 10	15 7	5 12	0n57	0 4	5 55	0 23	15 52	1 15	5 10	1 45	20 40	1 38	15 17	0 19	14 37	1 15	27 32	3 56	11 36	12 7	0 53			n.a.
T 23	0 46	12 15	5 4	1 58	0n 7	6 26	0 21	15 37	1 15	5 13	1 45	20 40	1 38	15 16	0 19	14 37	1 15	27 33	3 56	11 34	12 6	0 51			n.a.
W24	0 23	8 55	4 43	2 58	0 18	6 57	0 18	15 22	1 15	5 16	1 44	20 40	1 38	15 16	0 19	14 38	1 15	27 33	3 56	11 32	12 5	0 49			n.a.
T 25	0n 1	5 15	4 9	3 58	0 29	7 27	0 16	15 7	1 15	5 19	1 44	20 41	1 37	15 15	0 19	14 38	1 15	27 33	3 56	11 30	12 3	0 47			n.a.
F 26	0 24	1 24	3 26	4 58	0 40	7 58	0 13	14 52	1 16	5 22	1 44	20 41	1 37	15 15	0 19	14 39	1 15	27 33	3 57	11 28	12 2	0 45			n.a.
S 27	0 47	2n31	2 33	5 56	0 51	8 28	0 11	14 36	1 16	5 25	1 44	20 41	1 37	15 14	0 19	14 39	1 15	27 33	3 57	11 27	12 1	0 43			n.a.
S 28	1 11	6 21	1 33	6 54	1 2	8 58	0 8	14 21	1 16	5 28	1 44	20 42	1 37	15 14	0 19	14 39	1 15	27 33	3 57	11 26	12 0	0 41			n.a.
M29	1 34	9 57	0 29	7 50	1 12	9 27	0 6	14 5	1 16	5 31	1 44	20 42	1 37	15 13	0 19	14 40	1 15	27 34	3 57	11 26	11 59	0 39			n.a.
T 30	1 58	13 10	0s37	8 44	1 23	9 57	0 3	13 49	1 16	5 33	1 44	20 42	1 37	15 12	0 19	14 40	1 15	27 34	3 57	11 26	11 58	0 37			n.a.
W31	2n21	15n51	1s42	9n37	1n32	10n26	0s 0	13s33	1s16	5n36	1n44	20n43	1n37	15s12	0n19	14n41	1n15	27s34	3s58	11s26	11s57	0s35			n.a.

Julian Day Number = 1647701.5, Delta T = 03h32m47s
Ecliptic obliquity = 23°43'04, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'19, Lahiri = - 6°44'19 Julian Calendar 1 March 202 BCE == Greg. Calendar 25 Feb. 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

APRIL 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 20 20	6♈48'46	0♊40	22♈34	28♈ 0	28♒36	19°R52	5°R22	11°R37	24°R30	5♑16	29♎33	0♏55	21♓ 5	n.a.	T 1
F 2	12 24 17	7°46'51	13°15	24°22	29°14	29°22	19♍45	5♌21	11♏35	24♌29	5°16	29°34	0°52	21°12	n.a.	F 2
S 3	12 28 14	8°44'54	26° 7	26° 6	0♉27	0♓ 8	19°38	5°20	11°33	24°28	5°16	29°36	0°49	21°19	n.a.	S 3
S 4	12 32 10	9°42'55	9♋21	27°46	1°40	0°54	19°31	5°19	11°31	24°27	5°16	29°R36	0°45	21°25	n.a.	S 4
M 5	12 36 7	10°40'53	22°59	29°23	2°53	1°40	19°24	5°19	11°29	24°26	5°16	29°36	0°42	21°32	n.a.	M 5
T 6	12 40 3	11°38'50	7♌ 2	0♉56	4° 6	2°25	19°17	5°18	11°27	24°25	5°17	29°34	0°39	21°39	n.a.	T 6
W 7	12 44 0	12°36'45	21°29	2°26	5°19	3°11	19°11	5°18	11°25	24°24	5°17	29°33	0°36	21°45	n.a.	W 7
T 8	12 47 56	13°34'38	6♍16	3°51	6°32	3°57	19° 4	5°17	11°23	24°23	5°17	29°31	0°33	21°52	n.a.	T 8
F 9	12 51 53	14°32'29	21°18	5°13	7°45	4°42	18°58	5°17	11°21	24°22	5°17	29°29	0°30	21°59	n.a.	F 9
S 10	12 55 49	15°30'18	6♎26	6°30	8°58	5°28	18°52	5°17	11°18	24°21	5°R17	29°27	0°26	22° 6	n.a.	S 10
S 11	12 59 46	16°28'05	21°31	7°43	10°11	6°14	18°45	5°D17	11°16	24°20	5°17	29°27	0°23	22°12	n.a.	S 11
M12	13 3 43	17°25'51	6♏24	8°52	11°24	6°59	18°39	5°17	11°14	24°20	5°17	29°D27	0°20	22°19	n.a.	M12
T 13	13 7 39	18°23'36	20°58	9°57	12°37	7°45	18°34	5°17	11°12	24°19	5°17	29°27	0°17	22°26	n.a.	T 13
W14	13 11 36	19°21'19	5♐ 7	10°58	13°50	8°30	18°28	5°17	11°10	24°18	5°17	29°28	0°14	22°32	n.a.	W14
T 15	13 15 32	20°19'02	18°51	11°54	15° 3	9°16	18°22	5°17	11° 7	24°17	5°16	29°29	0°10	22°39	n.a.	T 15
F 16	13 19 29	21°16'42	2♑ 8	12°46	16°15	10° 1	18°17	5°18	11° 5	24°16	5°16	29°30	0° 7	22°46	n.a.	F 16
S 17	13 23 25	22°14'22	15° 0	13°34	17°28	10°46	18°11	5°18	11° 3	24°16	5°16	29°30	0° 4	22°52	n.a.	S 17
S 18	13 27 22	23°12'01	27°32	14°16	18°41	11°32	18° 6	5°19	11° 1	24°15	5°16	29°R30	0° 1	22°59	n.a.	S 18
M19	13 31 18	24° 9'38	9♒47	14°55	19°53	12°17	18° 1	5°20	10°58	24°14	5°16	29°30	29♎58	23° 6	n.a.	M19
T 20	13 35 15	25° 7'15	21°50	15°28	21° 6	13° 2	17°56	5°21	10°56	24°14	5°15	29°29	29°55	23°12	n.a.	T 20
W21	13 39 11	26° 4'50	3♓43	15°57	22°18	13°47	17°51	5°22	10°54	24°13	5°15	29°29	29°51	23°19	n.a.	W21
T 22	13 43 8	27° 2'24	15°33	16°21	23°31	14°32	17°47	5°23	10°51	24°13	5°15	29°29	29°48	23°26	n.a.	T 22
F 23	13 47 5	27°59'57	27°21	16°41	24°43	15°17	17°42	5°24	10°49	24°12	5°15	29°28	29°45	23°32	n.a.	F 23
S 24	13 51 1	28°57'29	9♈12	16°55	25°56	16° 2	17°38	5°25	10°46	24°11	5°14	29°28	29°42	23°39	n.a.	S 24
S 25	13 54 58	29°55'00	21° 8	17° 5	27° 8	16°47	17°34	5°27	10°44	24°11	5°14	29°D28	29°39	23°46	n.a.	S 25
M26	13 58 54	0♉52'29	3♉10	17°10	28°21	17°32	17°30	5°28	10°42	24°11	5°13	29°R28	29°35	23°52	n.a.	M26
T 27	14 2 51	1°49'58	15°22	17°R11	29°33	18°17	17°26	5°30	10°39	24°10	5°13	29°28	29°32	23°59	n.a.	T 27
W28	14 6 47	2°47'25	27°44	17° 7	0♊45	19° 2	17°22	5°31	10°37	24°10	5°13	29°28	29°29	24° 6	n.a.	W28
T 29	14 10 44	3°44'51	10♊19	16°58	1°58	19°46	17°19	5°33	10°34	24° 9	5°12	29°27	29°26	24°12	n.a.	T 29
F 30	14 14 40	4♉42'16	23♊ 7	16♉45	3♊10	20♓31	17♍15	5♌35	10♏32	24♌ 9	5♑12	29♎27	29♎23	24♓19	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n44	17n52	2s44	10n27	1n42	10n55	0n 2	13s17	1s17	5n39	1n44	20n43	1n37	15s11	0n19	14n41	1n15	27s34	3s58	11s26	11s56	0s33		n.a.
F 2	3 7	19 2	3 38	11 16	1 51	11 24	0 5	13 1	1 17	5 42	1 44	20 43	1 37	15 11	0 19	14 41	1 15	27 34	3 58	11 27	11 54	0 31		n.a.
S 3	3 30	19 16	4 24	12 2	1 59	11 53	0 8	12 45	1 17	5 44	1 44	20 43	1 37	15 10	0 19	14 42	1 15	27 35	3 58	11 27	11 53	0 29		n.a.
S 4	3 54	18 27	4 57	12 46	2 6	12 21	0 10	12 29	1 17	5 47	1 43	20 43	1 37	15 10	0 19	14 42	1 15	27 35	3 58	11 28	11 52	0 27		n.a.
M 5	4 17	16 34	5 14	13 28	2 13	12 49	0 13	12 12	1 17	5 49	1 43	20 43	1 37	15 9	0 19	14 42	1 15	27 35	3 58	11 27	11 51	0 24		n.a.
T 6	4 39	13 41	5 13	14 7	2 20	13 17	0 16	11 56	1 17	5 52	1 43	20 43	1 37	15 8	0 19	14 43	1 15	27 35	3 59	11 27	11 50	0 22		n.a.
W 7	5 2	9 53	4 53	14 43	2 25	13 44	0 18	11 39	1 17	5 54	1 43	20 43	1 36	15 8	0 19	14 43	1 15	27 35	3 59	11 26	11 49	0 20		n.a.
T 8	5 25	5 24	4 14	15 18	2 30	14 11	0 21	11 22	1 17	5 57	1 43	20 43	1 36	15 7	0 19	14 43	1 15	27 36	3 59	11 26	11 48	0 18		n.a.
F 9	5 48	0 30	3 16	15 49	2 34	14 38	0 24	11 6	1 17	5 59	1 43	20 43	1 36	15 6	0 19	14 44	1 15	27 36	3 59	11 25	11 47	0 16		n.a.
S 10	6 10	4s29	2 4	16 18	2 37	15 4	0 26	10 49	1 18	6 2	1 43	20 43	1 36	15 6	0 19	14 44	1 15	27 36	3 59	11 25	11 45	0 14		n.a.
S 11	6 33	9 10	0 44	16 45	2 39	15 30	0 29	10 32	1 18	6 4	1 42	20 43	1 36	15 5	0 19	14 44	1 15	27 36	4 0	11 24	11 44	0 12		n.a.
M12	6 55	13 12	0n38	17 9	2 40	15 56	0 32	10 15	1 18	6 6	1 42	20 43	1 36	15 4	0 19	14 44	1 15	27 36	4 0	11 24	11 43	0 10		n.a.
T 13	7 17	16 20	1 57	17 30	2 41	16 21	0 34	9 58	1 18	6 8	1 42	20 43	1 36	15 4	0 19	14 45	1 15	27 37	4 0	11 24	11 42	0 8		n.a.
W14	7 40	18 22	3 5	17 49	2 40	16 46	0 37	9 41	1 18	6 10	1 42	20 43	1 36	15 3	0 19	14 45	1 15	27 37	4 0	11 25	11 41	0 6		n.a.
T 15	8 2	19 14	4 1	18 6	2 39	17 10	0 40	9 23	1 18	6 12	1 42	20 43	1 36	15 2	0 19	14 45	1 15	27 37	4 0	11 25	11 40	0 4		n.a.
F 16	8 24	19 0	4 42	18 19	2 36	17 34	0 42	9 6	1 18	6 14	1 41	20 43	1 36	15 2	0 19	14 45	1 15	27 37	4 1	11 25	11 39	0 2		n.a.
S 17	8 45	17 46	5 7	18 31	2 33	17 58	0 45	8 49	1 18	6 16	1 41	20 42	1 36	15 1	0 19	14 46	1 15	27 37	4 1	11 25	11 38	0 0		n.a.
S 18	9 7	15 43	5 17	18 40	2 28	18 21	0 48	8 31	1 18	6 18	1 41	20 42	1 35	15 0	0 19	14 46	1 15	27 38	4 1	11 25	11 36	0n 2		n.a.
M19	9 29	12 59	5 12	18 46	2 23	18 43	0 50	8 14	1 18	6 20	1 41	20 42	1 35	14 59	0 19	14 46	1 15	27 38	4 1	11 25	11 35	0 4		n.a.
T 20	9 50	9 46	4 54	18 50	2 16	19 5	0 53	7 56	1 18	6 22	1 41	20 41	1 35	14 59	0 19	14 46	1 15	27 38	4 1	11 25	11 34	0 6		n.a.
W21	10 11	6 11	4 23	18 51	2 9	19 27	0 55	7 39	1 18	6 23	1 40	20 41	1 35	14 58	0 19	14 46	1 14	27 38	4 2	11 25	11 33	0 8		n.a.
T 22	10 32	2 23	3 41	18 50	2 0	19 48	0 58	7 21	1 18	6 25	1 40	20 41	1 35	14 57	0 19	14 46	1 14	27 38	4 2	11 25	11 32	0 10		n.a.
F 23	10 53	1n31	2 49	18 47	1 51	20 8	1 0	7 3	1 18	6 27	1 40	20 40	1 35	14 56	0 19	14 47	1 14	27 39	4 2	11 25	11 31	0 12		n.a.
S 24	11 14	5 22	1 50	18 41	1 40	20 29	1 3	6 46	1 18	6 28	1 40	20 40	1 35	14 56	0 19	14 47	1 14	27 39	4 2	11 25	11 30	0 14		n.a.
S 25	11 34	9 3	0 46	18 33	1 29	20 48	1 5	6 28	1 18	6 30	1 39	20 40	1 35	14 55	0 19	14 47	1 14	27 39	4 2	11 25	11 29	0 16		n.a.
M26	11 55	12 24	0s21	18 22	1 16	21 7	1 7	6 10	1 18	6 31	1 39	20 39	1 35	14 54	0 19	14 47	1 14	27 39	4 3	11 25	11 27	0 18		n.a.
T 27	12 15	15 15	1 27	18 10	1 3	21 25	1 10	5 52	1 18	6 32	1 39	20 39	1 35	14 53	0 19	14 47	1 14	27 39	4 3	11 25	11 26	0 20		n.a.
W28	12 35	17 26	2 31	17 55	0 49	21 43	1 12	5 35	1 17	6 33	1 39	20 38	1 35	14 53	0 19	14 47	1 14	27 40	4 3	11 25	11 25	0 22		n.a.
T 29	12 55	18 49	3 28	17 38	0 34	22 0	1 14	5 17	1 17	6 35	1 38	20 38	1 34	14 52	0 19	14 47	1 14	27 40	4 3	11 25	11 24	0 24		n.a.
F 30	13n14	19n17	4s16	17n20	0n18	22n17	1n17	4s59	1s17	6n36	1n38	20n37	1n34	14s51	0n19	14n47	1n14	27s40	4s 3	11s24	11s23	0n26		n.a.

Julian Day Number = 1647732.5, Delta T = 03h32m46s
Ecliptic obliquity = 23°43'03, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'15, Lahiri = - 6°44'14 Julian Calendar 1 Apr. 202 BCE == Greg. Calendar 28 March 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

MAY 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 18 37	5♉39'40	6♋11	16°R29	4♊22	21♓16	17°R12	5♌37	10°R29	24°R 9	5°R11	29°R26	29♎20	24♓26	n.a.	S 1
S 2	14 22 34	6°37'02	19°31	16♉ 8	5°34	22° 0	17♍ 9	5°39	10♏27	24♌ 8	5♑10	29♎26	29°16	24°32	n.a.	S 2
M 3	14 26 30	7°34'24	3♌ 9	15°45	6°46	22°45	17° 6	5°41	10°24	24° 8	5°10	29°D25	29°13	24°39	n.a.	M 3
T 4	14 30 27	8°31'43	17° 4	15°18	7°58	23°29	17° 4	5°43	10°22	24° 8	5° 9	29°26	29°10	24°46	n.a.	T 4
W 5	14 34 23	9°29'02	1♍17	14°49	9°10	24°14	17° 1	5°46	10°19	24° 8	5° 9	29°26	29° 7	24°52	n.a.	W 5
T 6	14 38 20	10°26'19	15°45	14°18	10°22	24°58	16°59	5°48	10°17	24° 8	5° 8	29°27	29° 4	24°59	n.a.	T 6
F 7	14 42 16	11°23'36	0♎25	13°45	11°34	25°42	16°57	5°51	10°14	24° 8	5° 7	29°28	29° 1	25° 6	n.a.	F 7
S 8	14 46 13	12°20'51	15°12	13°12	12°46	26°26	16°55	5°54	10°12	24° 8	5° 7	29°28	28°57	25°12	n.a.	S 8
S 9	14 50 9	13°18'05	29°59	12°38	13°58	27°11	16°53	5°56	10°10	24° 8	5° 6	29°R29	28°54	25°19	n.a.	S 9
M10	14 54 6	14°15'19	14♏39	12° 5	15° 9	27°55	16°52	5°59	10° 7	24°D 8	5° 5	29°28	28°51	25°26	n.a.	M10
T 11	14 58 3	15°12'31	29° 6	11°33	16°21	28°39	16°50	6° 2	10° 5	24° 8	5° 4	29°27	28°48	25°32	n.a.	T 11
W12	15 1 59	16° 9'44	13♐14	11° 1	17°33	29°23	16°49	6° 5	10° 2	24° 8	5° 3	29°25	28°45	25°39	n.a.	W12
T 13	15 5 56	17° 6'55	26°59	10°32	18°44	0♈ 7	16°48	6° 8	10° 0	24° 8	5° 3	29°23	28°41	25°46	n.a.	T 13
F 14	15 9 52	18° 4'07	10♑19	10° 5	19°56	0°50	16°47	6°11	9°57	24° 8	5° 2	29°21	28°38	25°52	n.a.	F 14
S 15	15 13 49	19° 1'17	23°16	9°42	21° 7	1°34	16°46	6°15	9°55	24° 8	5° 1	29°18	28°35	25°59	n.a.	S 15
S 16	15 17 45	19°58'28	5♒51	9°21	22°19	2°18	16°46	6°18	9°52	24° 8	5° 0	29°17	28°32	26° 6	n.a.	S 16
M17	15 21 42	20°55'38	18° 8	9° 4	23°30	3° 2	16°46	6°21	9°50	24° 8	4°59	29°D16	28°29	26°12	n.a.	M17
T 18	15 25 39	21°52'48	0♓11	8°51	24°42	3°45	16°D45	6°25	9°48	24° 9	4°58	29°16	28°26	26°19	n.a.	T 18
W19	15 29 35	22°49'58	12° 5	8°42	25°53	4°29	16°45	6°29	9°45	24° 9	4°57	29°17	28°22	26°26	n.a.	W19
T 20	15 33 32	23°47'07	23°55	8°37	27° 4	5°12	16°46	6°32	9°43	24° 9	4°56	29°19	28°19	26°32	n.a.	T 20
F 21	15 37 28	24°44'16	5♈44	8°D37	28°15	5°56	16°46	6°36	9°40	24°10	4°55	29°21	28°16	26°39	n.a.	F 21
S 22	15 41 25	25°41'26	17°38	8°42	29°26	6°39	16°47	6°40	9°38	24°10	4°54	29°22	28°13	26°46	n.a.	S 22
S 23	15 45 21	26°38'35	29°40	8°51	0♋38	7°22	16°47	6°44	9°36	24°10	4°53	29°R23	28°10	26°52	n.a.	S 23
M24	15 49 18	27°35'43	11♉53	9° 5	1°49	8° 5	16°48	6°48	9°33	24°11	4°52	29°22	28° 6	26°59	n.a.	M24
T 25	15 53 14	28°32'52	24°19	9°23	3° 0	8°48	16°49	6°52	9°31	24°11	4°51	29°20	28° 3	27° 6	n.a.	T 25
W26	15 57 11	29°30'01	6♊59	9°46	4°11	9°31	16°51	6°56	9°29	24°12	4°50	29°16	28° 0	27°12	n.a.	W26
T 27	16 1 8	0♊27'09	19°54	10°14	5°21	10°14	16°52	7° 1	9°27	24°12	4°49	29°12	27°57	27°19	n.a.	T 27
F 28	16 5 4	1°24'17	3♋ 4	10°47	6°32	10°57	16°54	7° 5	9°24	24°13	4°48	29° 7	27°54	27°26	n.a.	F 28
S 29	16 9 1	2°21'25	16°27	11°24	7°43	11°40	16°56	7°10	9°22	24°14	4°47	29° 2	27°51	27°32	n.a.	S 29
S 30	16 12 57	3°18'32	0♌ 3	12° 5	8°54	12°23	16°58	7°14	9°20	24°14	4°46	28°58	27°47	27°39	n.a.	S 30
M31	16 16 54	4♊15'39	13♌50	12♉52	10♋ 4	13♈ 6	17♍ 0	7♌19	9♏18	24♌15	4♑45	28♎55	27♎44	27♓46	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n34	18n43	4s52	17n 0	0n 2	22n33	1n19	4s41	1s17	6n37	1n38	20n36	1n34	14s50	0n19	14n47	1n14	27s40	4s 4	11s24	11s22	0n28		n.a.
S 2	13 53	17 7	5 13	16 38	0s14	22 49	1 21	4 23	1 17	6 38	1 38	20 36	1 34	14 50	0 19	14 48	1 14	27 40	4 4	11 24	11 21	0 30		n.a.
M 3	14 12	14 33	5 17	16 15	0 31	23 3	1 23	4 5	1 17	6 39	1 37	20 35	1 34	14 49	0 19	14 48	1 14	27 41	4 4	11 24	11 19	0 32		n.a.
T 4	14 31	11 6	5 2	15 51	0 48	23 17	1 25	3 47	1 17	6 39	1 37	20 35	1 34	14 48	0 19	14 48	1 14	27 41	4 4	11 24	11 18	0 34		n.a.
W 5	14 49	6 57	4 30	15 26	1 6	23 31	1 27	3 29	1 17	6 40	1 37	20 34	1 34	14 47	0 19	14 48	1 14	27 41	4 4	11 24	11 17	0 36		n.a.
T 6	15 7	2 19	3 39	15 0	1 23	23 44	1 29	3 12	1 17	6 41	1 37	20 33	1 34	14 46	0 19	14 48	1 14	27 41	4 4	11 24	11 16	0 38		n.a.
F 7	15 25	2s31	2 34	14 34	1 39	23 56	1 31	2 54	1 16	6 41	1 36	20 32	1 34	14 46	0 19	14 48	1 14	27 41	4 5	11 25	11 15	0 40		n.a.
S 8	15 43	7 15	1 18	14 9	1 56	24 8	1 33	2 36	1 16	6 42	1 36	20 32	1 34	14 45	0 19	14 48	1 14	27 42	4 5	11 25	11 14	0 42		n.a.
S 9	16 1	11 33	0n 3	13 43	2 12	24 18	1 35	2 18	1 16	6 42	1 36	20 31	1 34	14 44	0 19	14 48	1 14	27 42	4 5	11 25	11 13	0 44		n.a.
M10	16 18	15 6	1 23	13 19	2 27	24 29	1 36	2 0	1 16	6 43	1 36	20 30	1 33	14 43	0 19	14 48	1 14	27 42	4 5	11 25	11 11	0 46		n.a.
T 11	16 35	17 38	2 37	12 55	2 41	24 38	1 38	1 42	1 16	6 43	1 35	20 29	1 33	14 43	0 19	14 48	1 14	27 42	4 5	11 24	11 10	0 48		n.a.
W12	16 52	19 2	3 39	12 33	2 55	24 47	1 40	1 24	1 16	6 43	1 35	20 28	1 33	14 42	0 19	14 48	1 14	27 42	4 5	11 24	11 9	0 50		n.a.
T 13	17 8	19 14	4 27	12 12	3 7	24 55	1 41	1 6	1 15	6 43	1 35	20 28	1 33	14 41	0 19	14 47	1 14	27 43	4 6	11 23	11 8	0 52		n.a.
F 14	17 25	18 21	4 59	11 53	3 18	25 2	1 43	0 49	1 15	6 43	1 34	20 27	1 33	14 40	0 19	14 47	1 14	27 43	4 6	11 22	11 7	0 54		n.a.
S 15	17 41	16 32	5 14	11 36	3 28	25 9	1 44	0 31	1 15	6 43	1 34	20 26	1 33	14 39	0 19	14 47	1 14	27 43	4 6	11 21	11 6	0 56		n.a.
S 16	17 56	13 58	5 14	11 21	3 37	25 15	1 46	0 13	1 15	6 43	1 34	20 25	1 33	14 39	0 19	14 47	1 14	27 43	4 6	11 21	11 5	0 58		n.a.
M17	18 12	10 50	4 59	11 8	3 45	25 20	1 47	0n 5	1 15	6 43	1 34	20 24	1 33	14 38	0 19	14 47	1 14	27 43	4 6	11 20	11 3	1 0		n.a.
T 18	18 27	7 19	4 31	10 58	3 51	25 25	1 48	0 22	1 14	6 43	1 33	20 23	1 33	14 37	0 19	14 47	1 14	27 44	4 6	11 21	11 2	1 2		n.a.
W19	18 42	3 32	3 52	10 51	3 56	25 28	1 49	0 40	1 14	6 43	1 33	20 22	1 33	14 36	0 19	14 47	1 14	27 44	4 7	11 21	11 1	1 4		n.a.
T 20	18 56	0n21	3 3	10 46	3 59	25 31	1 50	0 58	1 14	6 42	1 33	20 21	1 33	14 36	0 19	14 47	1 14	27 44	4 7	11 22	11 0	1 6		n.a.
F 21	19 10	4 14	2 7	10 43	4 2	25 34	1 51	1 15	1 14	6 42	1 32	20 20	1 33	14 35	0 19	14 47	1 14	27 44	4 7	11 22	10 59	1 8		n.a.
S 22	19 24	7 59	1 4	10 44	4 3	25 35	1 52	1 33	1 13	6 41	1 32	20 19	1 33	14 34	0 19	14 46	1 14	27 44	4 7	11 23	10 58	1 10		n.a.
S 23	19 38	11 28	0s 2	10 46	4 3	25 36	1 53	1 50	1 13	6 41	1 32	20 18	1 32	14 33	0 19	14 46	1 14	27 45	4 7	11 23	10 57	1 12		n.a.
M24	19 51	14 30	1 8	10 52	4 2	25 36	1 54	2 8	1 13	6 40	1 32	20 17	1 32	14 33	0 19	14 46	1 13	27 45	4 7	11 23	10 55	1 14		n.a.
T 25	20 4	16 56	2 13	11 0	4 0	25 36	1 55	2 25	1 12	6 40	1 31	20 15	1 32	14 32	0 19	14 46	1 13	27 45	4 8	11 22	10 54	1 16		n.a.
W26	20 17	18 35	3 12	11 10	3 57	25 34	1 55	2 43	1 12	6 39	1 31	20 14	1 32	14 31	0 19	14 46	1 13	27 45	4 8	11 21	10 53	1 18		n.a.
T 27	20 29	19 18	4 2	11 23	3 53	25 32	1 56	3 0	1 12	6 38	1 31	20 13	1 32	14 31	0 19	14 45	1 13	27 45	4 8	11 19	10 52	1 20		n.a.
F 28	20 41	19 1	4 40	11 38	3 48	25 29	1 56	3 17	1 11	6 37	1 30	20 12	1 32	14 30	0 19	14 45	1 13	27 46	4 8	11 17	10 51	1 22		n.a.
S 29	20 52	17 39	5 4	11 55	3 42	25 26	1 57	3 35	1 11	6 36	1 30	20 11	1 32	14 29	0 19	14 45	1 13	27 46	4 8	11 15	10 50	1 24		n.a.
S 30	21 4	15 18	5 12	12 14	3 35	25 22	1 57	3 52	1 11	6 35	1 30	20 9	1 32	14 28	0 19	14 45	1 13	27 46	4 8	11 14	10 49	1 26		n.a.
M31	21n15	12n 3	5s 1	12n35	3s28	25n17	1n57	4n 9	1s10	6n34	1n30	20n 8	1n32	14s28	0n19	14n45	1n13	27s46	4s 9	11s13	10s47	1n28		n.a.

Julian Day Number = 1647762.5, Delta T = 03h32m45s
Ecliptic obliquity = 23°43'03, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'11, Lahiri = - 6°44'10 Julian Calendar 1 May 202 BCE == Greg. Calendar 27 Apr. 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

JUNE 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 20 50	5♊12'46	27♌48	13♉42	11♋15	13♈48	17♍ 2	7♌23	9°R16	24♌16	4°R43	28°R53	27♎41	27♓52	n.a.	T 1
W 2	16 24 47	6° 9'52	11♍54	14°37	12°25	14°31	17° 5	7°28	9♏13	24°16	4♑42	28°D53	27°38	27°59	n.a.	W 2
T 3	16 28 43	7° 6'58	26° 8	15°36	13°36	15°13	17° 7	7°33	9°11	24°17	4°41	28♎54	27°35	28° 6	n.a.	T 3
F 4	16 32 40	8° 4'04	10♎27	16°39	14°46	15°56	17°10	7°38	9° 9	24°18	4°40	28°55	27°32	28°12	n.a.	F 4
S 5	16 36 37	9° 1'10	24°50	17°47	15°56	16°38	17°13	7°43	9° 7	24°19	4°39	28°R56	27°28	28°19	n.a.	S 5
S 6	16 40 33	9°58'15	9♏11	18°59	17° 6	17°20	17°16	7°48	9° 5	24°20	4°37	28°56	27°25	28°26	n.a.	S 6
M 7	16 44 30	10°55'21	23°29	20°14	18°17	18° 2	17°20	7°53	9° 3	24°20	4°36	28°54	27°22	28°32	n.a.	M 7
T 8	16 48 26	11°52'27	7♐36	21°34	19°27	18°44	17°23	7°58	9° 1	24°21	4°35	28°50	27°19	28°39	n.a.	T 8
W 9	16 52 23	12°49'33	21°30	22°58	20°37	19°26	17°27	8° 4	8°59	24°22	4°34	28°44	27°16	28°46	n.a.	W 9
T 10	16 56 19	13°46'39	5♑ 6	24°26	21°46	20° 8	17°31	8° 9	8°57	24°23	4°32	28°37	27°12	28°52	n.a.	T 10
F 11	17 0 16	14°43'46	18°22	25°57	22°56	20°50	17°35	8°14	8°56	24°24	4°31	28°29	27° 9	28°59	n.a.	F 11
S 12	17 4 12	15°40'53	1♒17	27°32	24° 6	21°32	17°39	8°20	8°54	24°25	4°30	28°22	27° 6	29° 6	n.a.	S 12
S 13	17 8 9	16°38'01	13°52	29°11	25°16	22°13	17°43	8°25	8°52	24°26	4°28	28°16	27° 3	29°12	n.a.	S 13
M14	17 12 6	17°35'09	26° 9	0♊53	26°25	22°55	17°48	8°31	8°50	24°27	4°27	28°12	27° 0	29°19	n.a.	M14
T 15	17 16 2	18°32'18	8♓12	2°39	27°35	23°36	17°53	8°36	8°49	24°29	4°26	28° 9	26°57	29°26	n.a.	T 15
W16	17 19 59	19°29'28	20° 6	4°28	28°44	24°18	17°57	8°42	8°47	24°30	4°24	28°D 9	26°53	29°32	n.a.	W16
T 17	17 23 55	20°26'38	1♈56	6°20	29°53	24°59	18° 2	8°48	8°45	24°31	4°23	28° 9	26°50	29°39	n.a.	T 17
F 18	17 27 52	21°23'50	13°47	8°14	1♌ 3	25°41	18° 7	8°54	8°44	24°32	4°22	28°10	26°47	29°46	n.a.	F 18
S 19	17 31 48	22°21'02	25°43	10°12	2°12	26°22	18°13	9° 0	8°42	24°33	4°20	28°R11	26°44	29°52	n.a.	S 19
S 20	17 35 45	23°18'15	7♉50	12°11	3°21	27° 3	18°18	9° 5	8°40	24°34	4°19	28°11	26°41	29°59	n.a.	S 20
M21	17 39 41	24°15'28	20°12	14°13	4°30	27°44	18°24	9°11	8°39	24°36	4°17	28° 8	26°38	0♈ 6	n.a.	M21
T 22	17 43 38	25°12'43	2♊51	16°16	5°38	28°25	18°29	9°17	8°38	24°37	4°16	28° 4	26°34	0°12	n.a.	T 22
W23	17 47 35	26° 9'59	15°49	18°20	6°47	29° 6	18°35	9°24	8°36	24°38	4°15	27°57	26°31	0°19	n.a.	W23
T 24	17 51 31	27° 7'15	29° 6	20°26	7°56	29°46	18°41	9°30	8°35	24°40	4°13	27°48	26°28	0°26	n.a.	T 24
F 25	17 55 28	28° 4'32	12♋40	22°32	9° 4	0♉27	18°47	9°36	8°33	24°41	4°12	27°38	26°25	0°32	n.a.	F 25
S 26	17 59 24	29° 1'50	26°29	24°39	10°13	1° 7	18°54	9°42	8°32	24°43	4°11	27°29	26°22	0°39	n.a.	S 26
S 27	18 3 21	29°59'08	10♌28	26°46	11°21	1°48	19° 0	9°48	8°31	24°44	4° 9	27°20	26°18	0°46	n.a.	S 27
M28	18 7 17	0♋56'27	24°35	28°52	12°29	2°28	19° 7	9°55	8°30	24°45	4° 8	27°13	26°15	0°52	n.a.	M28
T 29	18 11 14	1°53'47	8♍44	0♋59	13°37	3° 9	19°13	10° 1	8°29	24°47	4° 6	27° 9	26°12	0°59	n.a.	T 29
W30	18 15 11	2♋51'07	22♍55	3♋ 4	14♌45	3♉49	19♍20	10♌ 8	8♏27	24♌48	4♑ 5	27♎ 7	26♎ 9	1♈ 6	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n25	8n 6	4s33	12n58	3s19	25n11	1n57	4n26	1s10	6n33	1n29	20n 7	1n32	14s27	0n19	14n44	1n13	27s46	4s 9	11s12	10s46	1n29		n.a.
W 2	21 35	3 40	3 48	13 22	3 11	25 4	1 57	4 43	1 10	6 31	1 29	20 6	1 32	14 26	0 19	14 44	1 13	27 47	4 9	11 12	10 45	1 31		n.a.
T 3	21 45	1s 2	2 49	13 49	3 1	24 57	1 57	5 0	1 9	6 30	1 29	20 4	1 32	14 26	0 19	14 44	1 13	27 47	4 9	11 13	10 44	1 33		n.a.
F 4	21 54	5 42	1 39	14 16	2 51	24 50	1 57	5 17	1 9	6 29	1 28	20 3	1 32	14 25	0 19	14 43	1 13	27 47	4 9	11 13	10 43	1 35		n.a.
S 5	22 4	10 4	0 22	14 46	2 41	24 41	1 57	5 33	1 9	6 27	1 28	20 2	1 32	14 24	0 19	14 43	1 13	27 47	4 9	11 13	10 42	1 37		n.a.
S 6	22 12	13 51	0n55	15 16	2 30	24 32	1 56	5 50	1 8	6 26	1 28	20 0	1 31	14 24	0 19	14 43	1 13	27 47	4 9	11 13	10 40	1 39		n.a.
M 7	22 21	16 46	2 9	15 47	2 19	24 22	1 56	6 7	1 8	6 24	1 28	19 59	1 31	14 23	0 19	14 42	1 13	27 48	4 10	11 12	10 39	1 41		n.a.
T 8	22 28	18 38	3 14	16 19	2 7	24 12	1 55	6 23	1 7	6 23	1 27	19 57	1 31	14 23	0 19	14 42	1 13	27 48	4 10	11 11	10 38	1 43		n.a.
W 9	22 36	19 21	4 6	16 53	1 55	24 0	1 55	6 40	1 7	6 21	1 27	19 56	1 31	14 22	0 19	14 42	1 13	27 48	4 10	11 9	10 37	1 45		n.a.
T 10	22 43	18 54	4 43	17 26	1 43	23 49	1 54	6 56	1 7	6 19	1 27	19 54	1 31	14 21	0 18	14 41	1 13	27 48	4 10	11 6	10 36	1 47		n.a.
F 11	22 50	17 26	5 4	18 0	1 30	23 36	1 53	7 12	1 6	6 17	1 26	19 53	1 31	14 21	0 18	14 41	1 13	27 48	4 10	11 4	10 35	1 49		n.a.
S 12	22 56	15 6	5 8	18 34	1 18	23 23	1 52	7 28	1 6	6 15	1 26	19 51	1 31	14 20	0 18	14 41	1 13	27 48	4 10	11 1	10 34	1 51		n.a.
S 13	23 2	12 7	4 57	19 9	1 5	23 9	1 51	7 45	1 5	6 13	1 26	19 50	1 31	14 20	0 18	14 40	1 13	27 49	4 10	10 59	10 32	1 53		n.a.
M14	23 8	8 40	4 33	19 43	0 53	22 55	1 50	8 1	1 5	6 11	1 26	19 48	1 31	14 19	0 18	14 40	1 13	27 49	4 10	10 57	10 31	1 55		n.a.
T 15	23 13	4 56	3 57	20 16	0 40	22 40	1 49	8 16	1 4	6 9	1 25	19 47	1 31	14 19	0 18	14 40	1 13	27 49	4 11	10 56	10 30	1 57		n.a.
W16	23 18	1 3	3 11	20 49	0 28	22 25	1 48	8 32	1 4	6 7	1 25	19 45	1 31	14 18	0 18	14 39	1 13	27 49	4 11	10 56	10 29	1 59		n.a.
T 17	23 22	2n52	2 17	21 21	0 16	22 8	1 46	8 48	1 3	6 5	1 25	19 44	1 31	14 18	0 18	14 39	1 13	27 49	4 11	10 56	10 28	2 1		n.a.
F 18	23 26	6 40	1 17	21 52	0 4	21 52	1 45	9 4	1 3	6 3	1 25	19 42	1 31	14 17	0 18	14 38	1 13	27 49	4 11	10 57	10 27	2 3		n.a.
S 19	23 30	10 15	0 13	22 22	0n 8	21 34	1 43	9 19	1 2	6 0	1 24	19 41	1 31	14 17	0 18	14 38	1 13	27 50	4 11	10 57	10 25	2 5		n.a.
S 20	23 33	13 28	0s52	22 50	0 19	21 17	1 41	9 35	1 2	5 58	1 24	19 39	1 31	14 16	0 18	14 37	1 13	27 50	4 11	10 57	10 24	2 7		n.a.
M21	23 35	16 9	1 55	23 16	0 30	20 58	1 40	9 50	1 1	5 55	1 24	19 37	1 31	14 16	0 18	14 37	1 13	27 50	4 11	10 56	10 23	2 9		n.a.
T 22	23 38	18 7	2 55	23 39	0 40	20 39	1 38	10 5	1 1	5 53	1 24	19 36	1 31	14 15	0 18	14 36	1 13	27 50	4 11	10 54	10 22	2 11		n.a.
W23	23 40	19 12	3 47	24 1	0 49	20 20	1 36	10 20	1 0	5 50	1 23	19 34	1 31	14 15	0 18	14 36	1 13	27 50	4 11	10 52	10 21	2 13		n.a.
T 24	23 41	19 16	4 27	24 20	0 58	20 0	1 34	10 35	1 0	5 48	1 23	19 32	1 31	14 14	0 18	14 35	1 13	27 50	4 11	10 49	10 20	2 15		n.a.
F 25	23 42	18 14	4 54	24 37	1 6	19 40	1 31	10 50	0 59	5 45	1 23	19 31	1 31	14 14	0 18	14 35	1 13	27 50	4 12	10 45	10 18	2 17		n.a.
S 26	23 43	16 8	5 4	24 50	1 14	19 19	1 29	11 5	0 59	5 42	1 23	19 29	1 31	14 14	0 18	14 34	1 13	27 51	4 12	10 42	10 17	2 19		n.a.
S 27	23 43	13 4	4 56	25 1	1 21	18 58	1 27	11 20	0 58	5 40	1 22	19 27	1 31	14 13	0 18	14 34	1 13	27 51	4 12	10 39	10 16	2 20		n.a.
M28	23 43	9 14	4 30	25 9	1 27	18 36	1 24	11 34	0 58	5 37	1 22	19 25	1 31	14 13	0 18	14 33	1 13	27 51	4 12	10 36	10 15	2 22		n.a.
T 29	23 42	4 52	3 48	25 15	1 32	18 14	1 21	11 49	0 57	5 34	1 22	19 24	1 31	14 12	0 18	14 33	1 12	27 51	4 12	10 35	10 14	2 24		n.a.
W30	23n41	0n13	2s52	25n17	1n37	17n51	1n19	12n 3	0s57	5n31	1n22	19n22	1n31	14s12	0n18	14n32	1n12	27s51	4s12	10s34	10s13	2n26		n.a.

Julian Day Number = 1647793.5, Delta T = 03h32m44s
Ecliptic obliquity = 23°43'02, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'06, Lahiri = - 6°44'06 Julian Calendar 1 June 202 BCE == Greg. Calendar 28 May 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

JULY 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 19 7	3♋48'28	7♎ 4	5♋ 9	15♌53	4♉29	19♍27	10♌14	8°R26	24♌50	4°R 4	27°D 6	26♎ 6	1♈12	n.a.	T 1
F 2	18 23 4	4°45'49	21°10	7°13	17° 1	5° 9	19°34	10°21	8♏25	24°52	4♂ 2	27°R 7	26° 3	1°19	n.a.	F 2
S 3	18 27 0	5°43'12	5♏13	9°16	18° 9	5°49	19°41	10°27	8°24	24°53	4° 1	27♎ 7	25°59	1°26	n.a.	S 3
S 4	18 30 57	6°40'35	19°11	11°18	19°16	6°28	19°49	10°34	8°24	24°55	3°59	27° 5	25°56	1°32	n.a.	S 4
M 5	18 34 53	7°37'59	3♐ 3	13°18	20°24	7° 8	19°56	10°41	8°23	24°56	3°58	27° 1	25°53	1°39	n.a.	M 5
T 6	18 38 50	8°35'24	16°46	15°17	21°31	7°48	20° 4	10°47	8°22	24°58	3°56	26°54	25°50	1°46	n.a.	T 6
W 7	18 42 46	9°32'50	0♑18	17°15	22°38	8°27	20°12	10°54	8°21	25° 0	3°55	26°45	25°47	1°52	n.a.	W 7
T 8	18 46 43	10°30'17	13°36	19°11	23°45	9° 6	20°20	11° 1	8°20	25° 1	3°54	26°33	25°44	1°59	n.a.	T 8
F 9	18 50 40	11°27'45	26°38	21° 5	24°51	9°46	20°28	11° 8	8°20	25° 3	3°52	26°21	25°40	2° 5	n.a.	F 9
S 10	18 54 36	12°25'14	9♒24	22°58	25°58	10°25	20°36	11°14	8°19	25° 5	3°51	26°10	25°37	2°12	n.a.	S 10
S 11	18 58 33	13°22'45	21°53	24°50	27° 5	11° 4	20°44	11°21	8°18	25° 7	3°50	25°59	25°34	2°19	n.a.	S 11
M12	19 2 29	14°20'17	4♓ 7	26°40	28°11	11°43	20°52	11°28	8°18	25° 8	3°48	25°51	25°31	2°25	n.a.	M12
T 13	19 6 26	15°17'51	16° 8	28°29	29°17	12°22	21° 1	11°35	8°17	25°10	3°47	25°46	25°28	2°32	n.a.	T 13
W14	19 10 22	16°15'26	28° 1	0♌16	0♍23	13° 1	21° 9	11°42	8°17	25°12	3°45	25°42	25°24	2°39	n.a.	W14
T 15	19 14 19	17°13'03	9♈50	2° 1	1°29	13°39	21°18	11°49	8°17	25°14	3°44	25°41	25°21	2°45	n.a.	T 15
F 16	19 18 15	18°10'42	21°40	3°45	2°34	14°18	21°27	11°56	8°16	25°16	3°43	25°41	25°18	2°52	n.a.	F 16
S 17	19 22 12	19° 8'22	3♉37	5°28	3°40	14°56	21°36	12° 3	8°16	25°18	3°41	25°41	25°15	2°59	n.a.	S 17
S 18	19 26 9	20° 6'04	15°45	7° 9	4°45	15°34	21°45	12°10	8°16	25°19	3°40	25°40	25°12	3° 5	n.a.	S 18
M19	19 30 5	21° 3'47	28°11	8°49	5°50	16°13	21°54	12°18	8°16	25°21	3°39	25°37	25° 9	3°12	n.a.	M19
T 20	19 34 2	22° 1'33	10♊58	10°27	6°55	16°51	22° 3	12°25	8°15	25°23	3°37	25°31	25° 5	3°19	n.a.	T 20
W21	19 37 58	22°59'20	24° 8	12° 4	8° 0	17°29	22°12	12°32	8°15	25°25	3°36	25°23	25° 2	3°25	n.a.	W21
T 22	19 41 55	23°57'09	7♋42	13°40	9° 4	18° 7	22°22	12°39	8°D15	25°27	3°35	25°12	24°59	3°32	n.a.	T 22
F 23	19 45 51	24°54'59	21°38	15°14	10° 9	18°44	22°31	12°46	8°15	25°29	3°33	25° 1	24°56	3°39	n.a.	F 23
S 24	19 49 48	25°52'51	5♌52	16°46	11°13	19°22	22°41	12°54	8°15	25°31	3°32	24°49	24°53	3°45	n.a.	S 24
S 25	19 53 44	26°50'45	20°18	18°18	12°17	19°59	22°51	13° 1	8°16	25°33	3°31	24°38	24°50	3°52	n.a.	S 25
M26	19 57 41	27°48'40	4♍49	19°47	13°20	20°37	23° 0	13° 8	8°16	25°35	3°30	24°30	24°46	3°59	n.a.	M26
T 27	20 1 38	28°46'36	19°20	21°16	14°24	21°14	23°10	13°16	8°16	25°37	3°28	24°24	24°43	4° 5	n.a.	T 27
W28	20 5 34	29°44'34	3♎44	22°43	15°27	21°51	23°20	13°23	8°16	25°39	3°27	24°21	24°40	4°12	n.a.	W28
T 29	20 9 31	0♌42'33	18° 0	24° 8	16°30	22°28	23°31	13°30	8°17	25°41	3°26	24°20	24°37	4°19	n.a.	T 29
F 30	20 13 27	1°40'34	2♏ 5	25°32	17°33	23° 5	23°41	13°38	8°17	25°43	3°25	24°20	24°34	4°25	n.a.	F 30
S 31	20 17 24	2♌38'36	15♏58	26♌54	18♍35	23♉42	23♍51	13♌45	8♏17	25♌45	3♑24	24♎19	24♎30	4♈32	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23n40	4s26	1s45	25n17	1n40	17n28	1n16	12n17	0s56	5n28	1n21	19n20	1n30	14s12	0n18	14n32	1n12	27s51	4s12	10s34	10s11	2n28			n.a.
F 2	23 38	8 50	0 32	25 14	1 43	17 4	1 13	12 31	0 55	5 25	1 21	19 18	1 30	14 12	0 18	14 31	1 12	27 51	4 12	10 34	10 10	2 30			n.a.
S 3	23 36	12 44	0n43	25 9	1 46	16 41	1 10	12 45	0 55	5 22	1 21	19 16	1 30	14 11	0 18	14 31	1 12	27 51	4 12	10 34	10 9	2 32			n.a.
S 4	23 33	15 53	1 55	25 1	1 47	16 16	1 7	12 59	0 54	5 19	1 21	19 14	1 30	14 11	0 18	14 30	1 12	27 52	4 12	10 33	10 8	2 34			n.a.
M 5	23 30	18 5	2 59	24 50	1 48	15 52	1 4	13 13	0 53	5 16	1 20	19 13	1 30	14 11	0 18	14 30	1 12	27 52	4 12	10 32	10 7	2 36			n.a.
T 6	23 26	19 13	3 51	24 38	1 49	15 27	1 0	13 26	0 53	5 12	1 20	19 11	1 30	14 10	0 18	14 29	1 12	27 52	4 13	10 29	10 6	2 38			n.a.
W 7	23 22	19 13	4 30	24 23	1 48	15 1	0 57	13 40	0 52	5 9	1 20	19 9	1 30	14 10	0 18	14 28	1 12	27 52	4 13	10 26	10 4	2 40			n.a.
T 8	23 18	18 8	4 54	24 6	1 48	14 36	0 53	13 53	0 52	5 6	1 20	19 7	1 30	14 10	0 18	14 28	1 12	27 52	4 13	10 22	10 3	2 42			n.a.
F 9	23 13	16 8	5 1	23 47	1 46	14 10	0 50	14 6	0 51	5 2	1 19	19 5	1 30	14 10	0 18	14 27	1 12	27 52	4 13	10 17	10 2	2 44			n.a.
S 10	23 8	13 23	4 54	23 27	1 44	13 44	0 46	14 19	0 50	4 59	1 19	19 3	1 30	14 10	0 18	14 27	1 12	27 52	4 13	10 13	10 1	2 46			n.a.
S 11	23 2	10 5	4 32	23 4	1 42	13 17	0 42	14 32	0 50	4 55	1 19	19 1	1 30	14 9	0 18	14 26	1 12	27 52	4 13	10 9	10 0	2 48			n.a.
M12	22 56	6 26	3 58	22 41	1 39	12 50	0 38	14 45	0 49	4 52	1 19	18 59	1 30	14 9	0 18	14 25	1 12	27 53	4 13	10 6	9 59	2 50			n.a.
T 13	22 50	2 34	3 13	22 15	1 35	12 23	0 34	14 58	0 48	4 48	1 19	18 57	1 30	14 9	0 18	14 25	1 12	27 53	4 13	10 4	9 57	2 52			n.a.
W14	22 43	1n21	2 21	21 49	1 31	11 56	0 30	15 10	0 48	4 45	1 18	18 55	1 30	14 9	0 18	14 24	1 12	27 53	4 13	10 3	9 56	2 53			n.a.
T 15	22 36	5 13	1 23	21 21	1 27	11 28	0 26	15 23	0 47	4 41	1 18	18 53	1 30	14 9	0 18	14 24	1 12	27 53	4 13	10 2	9 55	2 55			n.a.
F 16	22 28	8 52	0 21	20 52	1 22	11 1	0 21	15 35	0 46	4 37	1 18	18 51	1 30	14 9	0 18	14 23	1 12	27 53	4 13	10 2	9 54	2 57			n.a.
S 17	22 20	12 12	0s42	20 22	1 17	10 33	0 17	15 47	0 45	4 34	1 18	18 49	1 30	14 9	0 18	14 22	1 12	27 53	4 13	10 2	9 53	2 59			n.a.
S 18	22 12	15 5	1 44	19 51	1 11	10 4	0 12	15 59	0 45	4 30	1 17	18 47	1 30	14 9	0 18	14 22	1 12	27 53	4 13	10 2	9 52	3 1			n.a.
M19	22 3	17 20	2 43	19 19	1 6	9 36	0 8	16 11	0 44	4 26	1 17	18 45	1 30	14 9	0 18	14 21	1 12	27 53	4 13	10 1	9 50	3 3			n.a.
T 20	21 54	18 48	3 35	18 46	0 59	9 7	0 3	16 22	0 43	4 22	1 17	18 43	1 30	14 9	0 18	14 20	1 12	27 53	4 13	9 59	9 49	3 5			n.a.
W21	21 44	19 18	4 18	18 13	0 53	8 39	0s 2	16 34	0 43	4 18	1 17	18 41	1 30	14 9	0 18	14 20	1 12	27 53	4 13	9 56	9 48	3 7			n.a.
T 22	21 34	18 43	4 47	17 39	0 46	8 10	0 6	16 45	0 42	4 14	1 17	18 39	1 30	14 9	0 18	14 19	1 12	27 53	4 13	9 52	9 47	3 9			n.a.
F 23	21 24	17 1	5 0	17 5	0 39	7 41	0 11	16 57	0 41	4 10	1 16	18 37	1 31	14 9	0 18	14 18	1 12	27 53	4 13	9 47	9 46	3 11			n.a.
S 24	21 13	14 15	4 55	16 30	0 32	7 11	0 16	17 8	0 40	4 6	1 16	18 35	1 31	14 9	0 17	14 18	1 12	27 54	4 13	9 43	9 45	3 13			n.a.
S 25	21 2	10 36	4 31	15 55	0 25	6 42	0 22	17 19	0 39	4 2	1 16	18 33	1 31	14 9	0 17	14 17	1 12	27 54	4 14	9 39	9 43	3 15			n.a.
M26	20 50	6 17	3 50	15 19	0 17	6 13	0 27	17 29	0 39	3 58	1 16	18 31	1 31	14 9	0 17	14 16	1 12	27 54	4 14	9 36	9 42	3 17			n.a.
T 27	20 39	1 37	2 54	14 43	0 9	5 43	0 32	17 40	0 38	3 54	1 16	18 29	1 31	14 9	0 17	14 15	1 12	27 54	4 14	9 34	9 41	3 18			n.a.
W28	20 26	3s 8	1 47	14 7	0 1	5 14	0 37	17 51	0 37	3 50	1 16	18 27	1 31	14 9	0 17	14 15	1 12	27 54	4 14	9 33	9 40	3 20			n.a.
T 29	20 14	7 39	0 33	13 31	0s 7	4 44	0 43	18 1	0 36	3 45	1 15	18 25	1 31	14 9	0 17	14 14	1 12	27 54	4 14	9 32	9 39	3 22			n.a.
F 30	20 1	11 42	0n41	12 55	0 16	4 14	0 48	18 11	0 35	3 41	1 15	18 22	1 31	14 9	0 17	14 13	1 12	27 54	4 14	9 32	9 37	3 24			n.a.
S 31	19n48	15s 1	1n52	12n18	0s24	3n44	0s54	18n21	0s35	3n37	1n15	18n20	1n31	14s10	0n17	14n13	1n12	27s54	4s14	9s32	9s36	3n26			n.a.

Julian Day Number = 1647823.5, Delta T = 03h32m43s
Ecliptic obliquity = 23°43'02, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°51'02, Lahiri = - 6°44'02 Julian Calendar 1 July 202 BCE == Greg. Calendar 27 June 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

AUGUST 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 21 20	3♌36'40	29♏40	28♌15	19♍37	24♉18	24♍ 1	13♌52	8♏18	25♌48	3°R22	24°R17	24♎27	4♈39	n.a.	S 1
M 2	20 25 17	4°34'45	13♐11	29°35	20°39	24°55	24°12	14° 0	8°18	25°50	3♑21	24♎13	24°24	4°45	n.a.	M 2
T 3	20 29 13	5°32'51	26°32	0♍52	21°41	25°31	24°22	14° 7	8°19	25°52	3°20	24° 6	24°21	4°52	n.a.	T 3
W 4	20 33 10	6°31'00	9♑40	2° 8	22°42	26° 7	24°33	14°15	8°20	25°54	3°19	23°56	24°18	4°59	n.a.	W 4
T 5	20 37 7	7°29'10	22°37	3°22	23°43	26°43	24°44	14°22	8°20	25°56	3°18	23°44	24°15	5° 5	n.a.	T 5
F 6	20 41 3	8°27'22	5♒22	4°35	24°44	27°19	24°55	14°30	8°21	25°58	3°17	23°31	24°11	5°12	n.a.	F 6
S 7	20 45 0	9°25'35	17°53	5°45	25°44	27°55	25° 5	14°37	8°22	26° 0	3°16	23°19	24° 8	5°19	n.a.	S 7
S 8	20 48 56	10°23'51	0♓12	6°54	26°44	28°30	25°16	14°44	8°23	26° 2	3°15	23° 8	24° 5	5°25	n.a.	S 8
M 9	20 52 53	11°22'08	12°18	8° 0	27°44	29° 6	25°27	14°52	8°24	26° 5	3°14	22°59	24° 2	5°32	n.a.	M 9
T 10	20 56 49	12°20'28	24°15	9° 4	28°43	29°41	25°39	14°59	8°25	26° 7	3°13	22°53	23°59	5°38	n.a.	T 10
W11	21 0 46	13°18'49	6♈ 5	10° 6	29°42	0♊16	25°50	15° 7	8°26	26° 9	3°12	22°50	23°56	5°45	n.a.	W11
T 12	21 4 42	14°17'13	17°52	11° 6	0♎40	0°51	26° 1	15°14	8°27	26°11	3°11	22°D48	23°52	5°52	n.a.	T 12
F 13	21 8 39	15°15'39	29°41	12° 2	1°38	1°26	26°12	15°22	8°28	26°13	3°10	22°48	23°49	5°58	n.a.	F 13
S 14	21 12 35	16°14'07	11♉36	12°56	2°36	2° 1	26°24	15°29	8°29	26°16	3° 9	22°R49	23°46	6° 5	n.a.	S 14
S 15	21 16 32	17°12'38	23°44	13°47	3°33	2°35	26°35	15°37	8°30	26°18	3° 8	22°49	23°43	6°12	n.a.	S 15
M16	21 20 29	18°11'11	6♊ 9	14°35	4°30	3°10	26°47	15°44	8°31	26°20	3° 7	22°47	23°40	6°18	n.a.	M16
T 17	21 24 25	19° 9'46	18°56	15°19	5°26	3°44	26°58	15°52	8°33	26°22	3° 6	22°43	23°36	6°25	n.a.	T 17
W18	21 28 22	20° 8'24	2♋10	15°59	6°22	4°18	27°10	15°59	8°34	26°24	3° 5	22°37	23°33	6°32	n.a.	W18
T 19	21 32 18	21° 7'03	15°50	16°35	7°18	4°52	27°22	16° 7	8°35	26°27	3° 4	22°29	23°30	6°38	n.a.	T 19
F 20	21 36 15	22° 5'45	29°58	17° 7	8°13	5°26	27°33	16°14	8°37	26°29	3° 3	22°20	23°27	6°45	n.a.	F 20
S 21	21 40 11	23° 4'30	14♌28	17°35	9° 7	5°59	27°45	16°22	8°38	26°31	3° 3	22°10	23°24	6°52	n.a.	S 21
S 22	21 44 8	24° 3'16	29°14	17°57	10° 1	6°32	27°57	16°29	8°40	26°33	3° 2	22° 1	23°21	6°58	n.a.	S 22
M23	21 48 4	25° 2'04	14♍ 9	18°14	10°54	7° 6	28° 9	16°36	8°42	26°36	3° 1	21°55	23°17	7° 5	n.a.	M23
T 24	21 52 1	26° 0'54	29° 3	18°25	11°47	7°39	28°21	16°44	8°43	26°38	3° 0	21°50	23°14	7°12	n.a.	T 24
W25	21 55 58	26°59'46	13♎49	18°R30	12°39	8°11	28°33	16°51	8°45	26°40	3° 0	21°48	23°11	7°18	n.a.	W25
T 26	21 59 54	27°58'40	28°21	18°28	13°30	8°44	28°45	16°59	8°47	26°42	2°59	21°D48	23° 8	7°25	n.a.	T 26
F 27	22 3 51	28°57'36	12♏36	18°19	14°21	9°16	28°58	17° 6	8°48	26°45	2°58	21°49	23° 5	7°32	n.a.	F 27
S 28	22 7 47	29°56'34	26°32	18° 4	15°11	9°48	29°10	17°13	8°50	26°47	2°58	21°R50	23° 1	7°38	n.a.	S 28
S 29	22 11 44	0♍55'33	10♐ 9	17°40	16° 1	10°20	29°22	17°21	8°52	26°49	2°57	21°49	22°58	7°45	n.a.	S 29
M30	22 15 40	1°54'35	23°30	17°10	16°49	10°52	29°34	17°28	8°54	26°51	2°56	21°47	22°55	7°51	n.a.	M30
T 31	22 19 37	2♍53'38	6♑34	16♍31	17♎37	11♊24	29♍47	17♌35	8♏56	26♌53	2♑56	21♎43	22♎52	7♈58	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	19n34	17s28	2n55	11n42	0s33	3n15	1s 0	18n31	0s34	3n33	1n15	18n18	1n31	14s10	0n17	14n12	1n12	27s54	4s14	9s31	9s35	3n28		n.a.	S 1
M 2	19 20	18 52	3 48	11 6	0 42	2 45	1 5	18 41	0 33	3 28	1 15	18 16	1 31	14 10	0 17	14 11	1 12	27 54	4 14	9 30	9 34	3 30		n.a.	M 2
T 3	19 6	19 13	4 28	10 30	0 51	2 15	1 11	18 51	0 32	3 24	1 14	18 14	1 31	14 10	0 17	14 10	1 12	27 54	4 14	9 27	9 33	3 32		n.a.	T 3
W 4	18 52	18 30	4 52	9 55	1 0	1 45	1 17	19 0	0 31	3 19	1 14	18 12	1 31	14 10	0 17	14 10	1 12	27 54	4 14	9 23	9 32	3 34		n.a.	W 4
T 5	18 37	16 51	5 1	9 19	1 9	1 15	1 23	19 10	0 30	3 15	1 14	18 10	1 31	14 11	0 17	14 9	1 12	27 54	4 14	9 19	9 30	3 36		n.a.	T 5
F 6	18 22	14 23	4 55	8 44	1 18	0 46	1 29	19 19	0 29	3 10	1 14	18 7	1 31	14 11	0 17	14 8	1 12	27 54	4 14	9 14	9 29	3 38		n.a.	F 6
S 7	18 6	11 18	4 34	8 10	1 27	0 16	1 35	19 28	0 28	3 6	1 14	18 5	1 31	14 11	0 17	14 7	1 12	27 54	4 14	9 10	9 28	3 39		n.a.	S 7
S 8	17 50	7 46	4 1	7 36	1 36	0s14	1 41	19 37	0 28	3 1	1 14	18 3	1 31	14 11	0 17	14 7	1 12	27 54	4 14	9 6	9 27	3 41		n.a.	S 8
M 9	17 34	3 59	3 18	7 3	1 45	0 43	1 47	19 45	0 27	2 57	1 14	18 1	1 31	14 12	0 17	14 6	1 12	27 54	4 14	9 2	9 26	3 43		n.a.	M 9
T 10	17 18	0 5	2 26	6 30	1 54	1 13	1 54	19 54	0 26	2 52	1 13	17 59	1 31	14 12	0 17	14 5	1 12	27 54	4 14	9 0	9 24	3 45		n.a.	T 10
W11	17 1	3n47	1 28	5 58	2 3	1 42	2 0	20 2	0 25	2 48	1 13	17 57	1 31	14 12	0 17	14 4	1 12	27 54	4 14	8 59	9 23	3 47		n.a.	W11
T 12	16 44	7 30	0 26	5 27	2 12	2 12	2 6	20 11	0 24	2 43	1 13	17 54	1 31	14 13	0 17	14 4	1 12	27 54	4 14	8 58	9 22	3 49		n.a.	T 12
F 13	16 27	10 55	0s37	4 57	2 21	2 41	2 13	20 19	0 23	2 38	1 13	17 52	1 31	14 13	0 17	14 3	1 12	27 54	4 14	8 58	9 21	3 51		n.a.	F 13
S 14	16 9	13 56	1 39	4 28	2 30	3 10	2 19	20 27	0 22	2 34	1 13	17 50	1 31	14 14	0 17	14 2	1 12	27 55	4 14	8 58	9 20	3 53		n.a.	S 14
S 15	15 51	16 23	2 37	4 1	2 39	3 39	2 26	20 35	0 21	2 29	1 13	17 48	1 32	14 14	0 17	14 1	1 12	27 55	4 14	8 58	9 19	3 55		n.a.	S 15
M16	15 33	18 8	3 30	3 35	2 47	4 8	2 32	20 42	0 20	2 24	1 12	17 46	1 32	14 14	0 17	14 1	1 12	27 55	4 14	8 58	9 17	3 57		n.a.	M16
T 17	15 15	19 2	4 14	3 10	2 55	4 37	2 39	20 50	0 19	2 19	1 12	17 43	1 32	14 15	0 17	14 0	1 12	27 55	4 14	8 56	9 16	3 58		n.a.	T 17
W18	14 56	18 56	4 46	2 47	3 3	5 5	2 45	20 57	0 18	2 15	1 12	17 41	1 32	14 15	0 17	13 59	1 12	27 55	4 14	8 54	9 15	4 0		n.a.	W18
T 19	14 37	17 45	5 3	2 26	3 11	5 33	2 52	21 5	0 17	2 10	1 12	17 39	1 32	14 16	0 17	13 58	1 12	27 55	4 14	8 51	9 14	4 2		n.a.	T 19
F 20	14 18	15 28	5 2	2 7	3 18	6 1	2 59	21 12	0 16	2 5	1 12	17 37	1 32	14 16	0 17	13 58	1 12	27 55	4 14	8 47	9 13	4 4		n.a.	F 20
S 21	13 59	12 11	4 42	1 50	3 25	6 29	3 6	21 19	0 15	2 0	1 12	17 35	1 32	14 17	0 17	13 57	1 12	27 55	4 14	8 44	9 11	4 6		n.a.	S 21
S 22	13 39	8 4	4 4	1 35	3 31	6 57	3 12	21 26	0 14	1 55	1 12	17 32	1 32	14 17	0 17	13 56	1 12	27 55	4 14	8 41	9 10	4 8		n.a.	S 22
M23	13 20	3 25	3 8	1 24	3 36	7 24	3 19	21 32	0 13	1 50	1 12	17 30	1 32	14 18	0 17	13 55	1 12	27 55	4 14	8 38	9 9	4 10		n.a.	M23
T 24	13 0	1s26	1 59	1 15	3 41	7 52	3 26	21 39	0 12	1 45	1 11	17 28	1 32	14 18	0 17	13 55	1 12	27 55	4 14	8 36	9 8	4 12		n.a.	T 24
W25	12 39	6 10	0 43	1 9	3 45	8 18	3 33	21 45	0 11	1 40	1 11	17 26	1 32	14 19	0 17	13 54	1 12	27 55	4 14	8 36	9 7	4 13		n.a.	W25
T 26	12 19	10 28	0n35	1 7	3 48	8 45	3 39	21 52	0 9	1 35	1 11	17 24	1 32	14 20	0 17	13 53	1 12	27 55	4 14	8 35	9 5	4 15		n.a.	T 26
F 27	11 58	14 4	1 50	1 9	3 50	9 11	3 46	21 58	0 8	1 30	1 11	17 21	1 33	14 20	0 17	13 52	1 12	27 55	4 14	8 36	9 4	4 17		n.a.	F 27
S 28	11 37	16 45	2 56	1 15	3 50	9 37	3 53	22 4	0 7	1 25	1 11	17 19	1 33	14 21	0 17	13 52	1 12	27 55	4 14	8 36	9 3	4 19		n.a.	S 28
S 29	11 16	18 26	3 51	1 24	3 50	10 3	4 0	22 9	0 6	1 20	1 11	17 17	1 33	14 21	0 17	13 51	1 12	27 55	4 14	8 36	9 2	4 21		n.a.	S 29
M30	10 55	19 2	4 32	1 39	3 47	10 28	4 7	22 15	0 5	1 15	1 11	17 15	1 33	14 22	0 17	13 50	1 12	27 55	4 14	8 35	9 1	4 23		n.a.	M30
T 31	10n34	18s36	4n57	1n57	3s43	10s53	4s13	22n21	0s 4	1n10	1n11	17n13	1n33	14s23	0n17	13n49	1n12	27s55	4s14	8s33	9s 0	4n25		n.a.	T 31

Julian Day Number = 1647854.5, Delta T = 03h32m42s
Ecliptic obliquity = 23°43'02, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'58, Lahiri = - 6°43'58 Julian Calendar 1 Aug. 202 BCE == Greg. Calendar 28 July 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

SEPTEMBER 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 23 33	3♍52'43	19♉25	15°R46	18♎24	11♊55	29♍59	17♌43	8♏58	26♌56	2°R55	21°R36	22♎49	8♈ 5	n.a.	W 1
T 2	22 27 30	4°51'50	2♒ 3	14♍53	19°10	12°26	0♎12	17°50	9° 0	26°58	2♉55	21♎29	22°46	8°11	n.a.	T 2
F 3	22 31 27	5°50'59	14°29	13°55	19°56	12°57	0°24	17°57	9° 2	27° 0	2°54	21°20	22°42	8°18	n.a.	F 3
S 4	22 35 23	6°50'10	26°45	12°51	20°40	13°28	0°37	18° 5	9° 4	27° 2	2°54	21°12	22°39	8°25	n.a.	S 4
S 5	22 39 20	7°49'24	8♓52	11°44	21°24	13°58	0°49	18°12	9° 6	27° 5	2°53	21° 4	22°36	8°31	n.a.	S 5
M 6	22 43 16	8°48'39	20°50	10°34	22° 6	14°29	1° 2	18°19	9° 9	27° 7	2°53	20°59	22°33	8°38	n.a.	M 6
T 7	22 47 13	9°47'56	2♈42	9°24	22°48	14°59	1°15	18°26	9°11	27° 9	2°53	20°55	22°30	8°45	n.a.	T 7
W 8	22 51 9	10°47'16	14°30	8°15	23°28	15°29	1°27	18°33	9°13	27°11	2°52	20°53	22°27	8°51	n.a.	W 8
T 9	22 55 6	11°46'38	26°16	7° 9	24° 7	15°58	1°40	18°40	9°16	27°13	2°52	20°D53	22°23	8°58	n.a.	T 9
F 10	22 59 2	12°46'02	8♉ 5	6° 9	24°45	16°27	1°53	18°47	9°18	27°15	2°52	20°54	22°20	9° 5	n.a.	F 10
S 11	23 2 59	13°45'29	20° 0	5°15	25°22	16°56	2° 6	18°54	9°20	27°18	2°51	20°56	22°17	9°11	n.a.	S 11
S 12	23 6 55	14°44'58	2♊ 6	4°30	25°58	17°25	2°18	19° 1	9°23	27°20	2°51	20°57	22°14	9°18	n.a.	S 12
M13	23 10 52	15°44'30	14°29	3°55	26°32	17°54	2°31	19° 8	9°25	27°22	2°51	20°R58	22°11	9°25	n.a.	M13
T 14	23 14 49	16°44'04	27°12	3°30	27° 5	18°22	2°44	19°15	9°28	27°24	2°51	20°57	22° 7	9°31	n.a.	T 14
W15	23 18 45	17°43'40	10♋20	3°15	27°37	18°50	2°57	19°22	9°31	27°26	2°51	20°55	22° 4	9°38	n.a.	W15
T 16	23 22 42	18°43'19	23°57	3°D12	28° 7	19°18	3°10	19°29	9°33	27°28	2°51	20°52	22° 1	9°45	n.a.	T 16
F 17	23 26 38	19°43'00	8♌ 1	3°20	28°36	19°45	3°23	19°36	9°36	27°30	2°50	20°48	21°58	9°51	n.a.	F 17
S 18	23 30 35	20°42'44	22°33	3°38	29° 3	20°12	3°36	19°43	9°39	27°33	2°50	20°43	21°55	9°58	n.a.	S 18
S 19	23 34 31	21°42'30	7♍26	4° 7	29°29	20°39	3°49	19°49	9°41	27°35	2°50	20°39	21°52	10° 4	n.a.	S 19
M20	23 38 28	22°42'17	22°32	4°45	29°52	21° 6	4° 2	19°56	9°44	27°37	2°D50	20°36	21°48	10°11	n.a.	M20
T 21	23 42 24	23°42'07	7♎43	5°31	0♏15	21°32	4°15	20° 3	9°47	27°39	2°50	20°34	21°45	10°18	n.a.	T 21
W22	23 46 21	24°41'59	22°49	6°26	0°35	21°58	4°28	20° 9	9°50	27°41	2°50	20°D33	21°42	10°24	n.a.	W22
T 23	23 50 17	25°41'53	7♏41	7°27	0°53	22°24	4°41	20°16	9°53	27°43	2°50	20°34	21°39	10°31	n.a.	T 23
F 24	23 54 14	26°41'49	22°13	8°35	1°10	22°49	4°55	20°23	9°56	27°45	2°51	20°35	21°36	10°38	n.a.	F 24
S 25	23 58 11	27°41'46	6♐21	9°48	1°24	23°14	5° 8	20°29	9°58	27°47	2°51	20°37	21°32	10°44	n.a.	S 25
S 26	0 2 7	28°41'45	20° 5	11° 5	1°37	23°38	5°21	20°35	10° 1	27°49	2°51	20°38	21°29	10°51	n.a.	S 26
M27	0 6 4	29°41'46	3♑26	12°27	1°47	24° 3	5°34	20°42	10° 4	27°51	2°51	20°R38	21°26	10°58	n.a.	M27
T 28	0 10 0	0♎41'49	16°25	13°51	1°55	24°26	5°47	20°48	10° 8	27°53	2°51	20°37	21°23	11° 4	n.a.	T 28
W29	0 13 57	1°41'53	29° 6	15°19	2° 1	24°50	6° 0	20°54	10°11	27°55	2°52	20°35	21°20	11°11	n.a.	W29
T 30	0 17 53	2♎41'59	11♒32	16♍49	2♏ 4	25♊13	6♎14	21♌ 1	10♏14	27♌57	2♉52	20♎33	21♎17	11♈18	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n12	17s13	5n 8	2n20	3s38	11s18	4s20	22n26	0s 3	1n 5	1n11	17n11	1n33	14s23	0n17	13n48	1n12	27s55	4s14	8s31	8s58	4n27		n.a.
T 2	9 50	15 1	5 3	2 48	3 30	11 42	4 27	22 32	0 1	1 0	1 10	17 8	1 33	14 24	0 17	13 48	1 12	27 55	4 14	8 28	8 57	4 28		n.a.
F 3	9 28	12 9	4 44	3 19	3 20	12 6	4 34	22 37	0 0	0 55	1 10	17 6	1 33	14 25	0 17	13 47	1 12	27 55	4 13	8 25	8 56	4 30		n.a.
S 4	9 6	8 48	4 11	3 54	3 9	12 29	4 40	22 42	0n 1	0 50	1 10	17 4	1 33	14 26	0 16	13 46	1 12	27 55	4 13	8 22	8 55	4 32		n.a.
S 5	8 44	5 8	3 28	4 33	2 55	12 52	4 47	22 47	0 2	0 44	1 10	17 2	1 33	14 26	0 16	13 45	1 12	27 54	4 13	8 19	8 54	4 34		n.a.
M 6	8 22	1 17	2 36	5 14	2 40	13 14	4 54	22 52	0 3	0 39	1 10	17 0	1 34	14 27	0 16	13 45	1 12	27 54	4 13	8 17	8 52	4 36		n.a.
T 7	7 59	2n34	1 37	5 56	2 23	13 36	5 0	22 56	0 5	0 34	1 10	16 58	1 34	14 28	0 16	13 44	1 12	27 54	4 13	8 15	8 51	4 38		n.a.
W 8	7 36	6 19	0 35	6 39	2 4	13 57	5 7	23 1	0 6	0 29	1 10	16 56	1 34	14 29	0 16	13 43	1 12	27 54	4 13	8 15	8 50	4 40		n.a.
T 9	7 14	9 48	0s29	7 22	1 45	14 18	5 13	23 5	0 7	0 24	1 10	16 53	1 34	14 29	0 16	13 42	1 12	27 54	4 13	8 15	8 49	4 42		n.a.
F 10	6 51	12 54	1 33	8 3	1 25	14 38	5 20	23 10	0 9	0 18	1 10	16 51	1 34	14 30	0 16	13 42	1 12	27 54	4 13	8 15	8 48	4 43		n.a.
S 11	6 28	15 30	2 32	8 42	1 5	14 58	5 26	23 14	0 10	0 13	1 10	16 49	1 34	14 31	0 16	13 41	1 12	27 54	4 13	8 16	8 46	4 45		n.a.
S 12	6 4	17 27	3 26	9 17	0 44	15 17	5 32	23 18	0 11	0 8	1 10	16 47	1 34	14 32	0 16	13 40	1 12	27 54	4 13	8 16	8 45	4 47		n.a.
M13	5 41	18 38	4 12	9 49	0 24	15 35	5 38	23 22	0 13	0 3	1 9	16 45	1 34	14 33	0 16	13 40	1 12	27 54	4 13	8 16	8 44	4 49		n.a.
T 14	5 18	18 54	4 47	10 16	0 5	15 53	5 44	23 26	0 14	0s 2	1 9	16 43	1 35	14 33	0 16	13 39	1 12	27 54	4 13	8 16	8 43	4 51		n.a.
W15	4 54	18 12	5 8	10 38	0n13	16 10	5 50	23 30	0 15	0 8	1 9	16 41	1 35	14 34	0 16	13 38	1 12	27 54	4 13	8 16	8 42	4 53		n.a.
T 16	4 31	16 26	5 13	10 54	0 30	16 27	5 56	23 33	0 17	0 13	1 9	16 39	1 35	14 35	0 16	13 37	1 12	27 54	4 13	8 14	8 40	4 55		n.a.
F 17	4 7	13 39	4 59	11 6	0 45	16 42	6 1	23 37	0 18	0 18	1 9	16 37	1 35	14 36	0 16	13 37	1 12	27 54	4 13	8 13	8 39	4 56		n.a.
S 18	3 43	9 58	4 27	11 12	0 59	16 57	6 6	23 41	0 20	0 24	1 9	16 35	1 35	14 37	0 16	13 36	1 13	27 54	4 13	8 11	8 38	4 58		n.a.
S 19	3 20	5 33	3 35	11 14	1 12	17 11	6 12	23 44	0 21	0 29	1 9	16 33	1 35	14 38	0 16	13 35	1 13	27 54	4 13	8 9	8 37	5 0		n.a.
M20	2 56	0 44	2 28	11 10	1 23	17 25	6 17	23 47	0 22	0 34	1 9	16 31	1 35	14 39	0 16	13 35	1 13	27 54	4 13	8 8	8 36	5 2		n.a.
T 21	2 32	4s10	1 10	11 2	1 33	17 37	6 21	23 50	0 24	0 39	1 9	16 29	1 36	14 40	0 16	13 34	1 13	27 54	4 13	8 7	8 34	5 4		n.a.
W22	2 8	8 47	0n12	10 49	1 41	17 49	6 26	23 54	0 25	0 45	1 9	16 27	1 36	14 40	0 16	13 33	1 13	27 54	4 13	8 7	8 33	5 6		n.a.
T 23	1 44	12 46	1 33	10 32	1 48	17 59	6 30	23 57	0 27	0 50	1 9	16 25	1 36	14 41	0 16	13 32	1 13	27 54	4 13	8 7	8 32	5 7		n.a.
F 24	1 20	15 52	2 46	10 12	1 53	18 9	6 34	24 0	0 28	0 55	1 9	16 23	1 36	14 42	0 16	13 32	1 13	27 54	4 13	8 8	8 31	5 9		n.a.
S 25	0 56	17 54	3 47	9 48	1 58	18 17	6 38	24 2	0 30	1 1	1 9	16 21	1 36	14 43	0 16	13 31	1 13	27 54	4 13	8 8	8 30	5 11		n.a.
S 26	0 31	18 49	4 32	9 21	2 1	18 25	6 41	24 5	0 32	1 6	1 9	16 19	1 36	14 44	0 16	13 30	1 13	27 54	4 13	8 9	8 28	5 13		n.a.
M27	0 7	18 39	5 2	8 52	2 3	18 32	6 44	24 8	0 33	1 11	1 9	16 17	1 37	14 45	0 16	13 30	1 13	27 54	4 13	8 9	8 27	5 15		n.a.
T 28	0s17	17 29	5 15	8 20	2 4	18 37	6 47	24 11	0 35	1 17	1 9	16 15	1 37	14 46	0 16	13 29	1 13	27 54	4 13	8 9	8 26	5 17		n.a.
W29	0 41	15 29	5 13	7 46	2 4	18 41	6 49	24 13	0 36	1 22	1 9	16 13	1 37	14 47	0 16	13 28	1 13	27 54	4 13	8 8	8 25	5 19		n.a.
T 30	1s 5	12s48	4n55	7n10	2n 4	18s44	6s51	24n16	0n38	1s27	1n 8	16n11	1n37	14s48	0n16	13n28	1n13	27s54	4s13	8s 7	8s24	5n20		n.a.

Julian Day Number = 1647885.5, Delta T = 03h32m41s
Ecliptic obliquity = 23°43'02, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'54, Lahiri = - 6°43'53 Julian Calendar 1 Sept. 202 BCE == Greg. Calendar 28 Aug. 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

OCTOBER 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 21 50	3♎42'07	23♒45	18♍21	2°R 5	25♊36	6♎27	21♌ 7	10♏17	27♌59	2♑52	20°R30	21♎13	11♈24	n.a.	F 1
S 2	0 25 46	4°42'16	5♓48	19°54	2♏ 4	25°58	6°40	21°13	10°20	28° 0	2°52	20♎28	21°10	11°31	n.a.	S 2
S 3	0 29 43	5°42'28	17°45	21°29	2° 0	26°20	6°53	21°19	10°23	28° 2	2°53	20°26	21° 7	11°38	n.a.	S 3
M 4	0 33 40	6°42'41	29°36	23° 5	1°54	26°42	7° 7	21°25	10°26	28° 4	2°53	20°24	21° 4	11°44	n.a.	M 4
T 5	0 37 36	7°42'55	11♈24	24°41	1°45	27° 3	7°20	21°31	10°30	28° 6	2°54	20°23	21° 1	11°51	n.a.	T 5
W 6	0 41 33	8°43'12	23°12	26°18	1°34	27°24	7°33	21°37	10°33	28° 8	2°54	20°D23	20°58	11°57	n.a.	W 6
T 7	0 45 29	9°43'31	5♉ 1	27°56	1°21	27°44	7°46	21°43	10°36	28°10	2°55	20°23	20°54	12° 4	n.a.	T 7
F 8	0 49 26	10°43'52	16°54	29°33	1° 5	28° 4	7°59	21°49	10°39	28°11	2°55	20°24	20°51	12°11	n.a.	F 8
S 9	0 53 22	11°44'14	28°54	1♎11	0°47	28°24	8°13	21°54	10°43	28°13	2°56	20°25	20°48	12°17	n.a.	S 9
S 10	0 57 19	12°44'39	11♊ 4	2°49	0°26	28°43	8°26	22° 0	10°46	28°15	2°56	20°26	20°45	12°24	n.a.	S 10
M11	1 1 15	13°45'05	23°28	4°27	0° 4	29° 1	8°39	22° 5	10°49	28°16	2°57	20°27	20°42	12°31	n.a.	M11
T 12	1 5 12	14°45'34	6♋ 9	6° 4	29♎39	29°19	8°52	22°11	10°53	28°18	2°57	20°27	20°38	12°37	n.a.	T 12
W13	1 9 8	15°46'05	19°11	7°42	29°12	29°37	9° 5	22°16	10°56	28°20	2°58	20°R27	20°35	12°44	n.a.	W13
T 14	1 13 5	16°46'37	2♌37	9°20	28°44	29°54	9°19	22°22	11° 0	28°21	2°59	20°27	20°32	12°51	n.a.	T 14
F 15	1 17 2	17°47'12	16°30	10°57	28°13	0♋11	9°32	22°27	11° 3	28°23	2°59	20°27	20°29	12°57	n.a.	F 15
S 16	1 20 58	18°47'48	0♍49	12°34	27°42	0°27	9°45	22°32	11° 7	28°25	3° 0	20°26	20°26	13° 4	n.a.	S 16
S 17	1 24 55	19°48'27	15°31	14°11	27° 8	0°42	9°58	22°37	11°10	28°26	3° 1	20°26	20°23	13°11	n.a.	S 17
M18	1 28 51	20°49'07	0♎31	15°47	26°34	0°57	10°11	22°43	11°14	28°28	3° 2	20°D26	20°19	13°17	n.a.	M18
T 19	1 32 48	21°49'48	15°42	17°24	25°59	1°12	10°24	22°48	11°17	28°29	3° 2	20°R26	20°16	13°24	n.a.	T 19
W20	1 36 44	22°50'31	0♏54	19° 0	25°24	1°26	10°38	22°52	11°21	28°31	3° 3	20°26	20°13	13°30	n.a.	W20
T 21	1 40 41	23°51'16	15°58	20°36	24°47	1°39	10°51	22°57	11°24	28°32	3° 4	20°26	20°10	13°37	n.a.	T 21
F 22	1 44 37	24°52'02	0♐45	22°11	24°11	1°52	11° 4	23° 2	11°28	28°34	3° 5	20°26	20° 7	13°44	n.a.	F 22
S 23	1 48 34	25°52'50	15° 9	23°47	23°35	2° 4	11°17	23° 7	11°31	28°35	3° 6	20°25	20° 4	13°50	n.a.	S 23
S 24	1 52 31	26°53'39	29° 5	25°22	22°59	2°15	11°30	23°11	11°35	28°36	3° 7	20°24	20° 0	13°57	n.a.	S 24
M25	1 56 27	27°54'28	12♑35	26°57	22°24	2°26	11°43	23°16	11°39	28°38	3° 8	20°24	19°57	14° 4	n.a.	M25
T 26	2 0 24	28°55'19	25°38	28°32	21°49	2°36	11°56	23°20	11°42	28°39	3° 9	20°D24	19°54	14°10	n.a.	T 26
W27	2 4 20	29°56'11	8♒18	0♏ 7	21°16	2°46	12° 9	23°25	11°46	28°40	3°10	20°24	19°51	14°17	n.a.	W27
T 28	2 8 17	0♏57'04	20°39	1°41	20°43	2°55	12°22	23°29	11°49	28°42	3°11	20°24	19°48	14°24	n.a.	T 28
F 29	2 12 13	1°57'58	2♓46	3°16	20°12	3° 3	12°34	23°33	11°53	28°43	3°12	20°25	19°44	14°30	n.a.	F 29
S 30	2 16 10	2°58'52	14°43	4°50	19°43	3°11	12°47	23°37	11°57	28°44	3°13	20°26	19°41	14°37	n.a.	S 30
S 31	2 20 6	3♏59'48	26♓33	6♏24	19♎16	3♋18	13♎ 0	23♌41	12♏ 0	28♌45	3♑14	20♎28	19♎38	14♈44	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s29	9s36	4n25	6n32	2n 3	18s46	6s52	24n18	0n40	1s33	1n 8	16n 9	1n37	14s49	0n16	13n27	1n13	27s54	4s12	8s 6	8s22	5n22		n.a.
S 2	1 53	6 2	3 43	5 53	2 1	18 46	6 53	24 21	0 41	1 38	1 8	16 8	1 37	14 50	0 16	13 27	1 13	27 54	4 12	8 5	8 21	5 24		n.a.
S 3	2 18	2 16	2 51	5 13	1 58	18 45	6 53	24 23	0 43	1 43	1 8	16 6	1 38	14 51	0 16	13 26	1 13	27 53	4 12	8 4	8 20	5 26		n.a.
M 4	2 42	1n34	1 53	4 32	1 55	18 43	6 53	24 25	0 45	1 49	1 8	16 4	1 38	14 52	0 16	13 25	1 13	27 53	4 12	8 4	8 19	5 28		n.a.
T 5	3 6	5 19	0 50	3 50	1 52	18 39	6 52	24 28	0 47	1 54	1 8	16 2	1 38	14 53	0 16	13 25	1 13	27 53	4 12	8 3	8 18	5 29		n.a.
W 6	3 30	8 52	0s16	3 8	1 48	18 34	6 51	24 30	0 48	1 59	1 8	16 1	1 38	14 54	0 16	13 24	1 13	27 53	4 12	8 3	8 16	5 31		n.a.
T 7	3 54	12 5	1 20	2 25	1 43	18 27	6 49	24 32	0 50	2 4	1 8	15 59	1 38	14 55	0 16	13 24	1 13	27 53	4 12	8 3	8 15	5 33		n.a.
F 8	4 18	14 48	2 22	1 41	1 39	18 19	6 46	24 34	0 52	2 10	1 8	15 57	1 38	14 56	0 16	13 23	1 13	27 53	4 12	8 4	8 14	5 35		n.a.
S 9	4 42	16 55	3 18	0 57	1 34	18 9	6 43	24 36	0 54	2 15	1 8	15 55	1 39	14 58	0 16	13 22	1 13	27 53	4 12	8 4	8 13	5 37		n.a.
S 10	5 5	18 18	4 6	0 13	1 28	17 58	6 39	24 38	0 56	2 20	1 8	15 54	1 39	14 59	0 16	13 22	1 13	27 53	4 12	8 4	8 11	5 39		n.a.
M11	5 29	18 50	4 44	0s31	1 23	17 45	6 34	24 41	0 58	2 26	1 8	15 52	1 39	15 0	0 16	13 21	1 13	27 53	4 12	8 5	8 10	5 40		n.a.
T 12	5 53	18 26	5 8	1 16	1 17	17 31	6 28	24 43	1 0	2 31	1 8	15 50	1 39	15 1	0 16	13 21	1 13	27 53	4 12	8 5	8 9	5 42		n.a.
W13	6 17	17 5	5 18	2 0	1 11	17 15	6 22	24 45	1 2	2 36	1 8	15 49	1 39	15 2	0 16	13 20	1 13	27 53	4 12	8 5	8 8	5 44		n.a.
T 14	6 40	14 45	5 11	2 44	1 5	16 58	6 15	24 47	1 4	2 41	1 8	15 47	1 40	15 3	0 16	13 20	1 13	27 53	4 12	8 5	8 7	5 46		n.a.
F 15	7 3	11 32	4 46	3 28	0 59	16 39	6 7	24 49	1 6	2 47	1 8	15 46	1 40	15 4	0 16	13 19	1 13	27 53	4 12	8 5	8 5	5 48		n.a.
S 16	7 27	7 32	4 3	4 13	0 53	16 20	5 58	24 51	1 8	2 52	1 8	15 44	1 40	15 5	0 16	13 19	1 13	27 53	4 12	8 4	8 4	5 49		n.a.
S 17	7 50	2 58	3 3	4 56	0 46	15 59	5 49	24 53	1 10	2 57	1 8	15 43	1 40	15 6	0 16	13 18	1 14	27 53	4 12	8 4	8 3	5 51		n.a.
M18	8 13	1s52	1 49	5 40	0 40	15 36	5 39	24 55	1 12	3 2	1 8	15 41	1 40	15 7	0 16	13 18	1 14	27 53	4 12	8 4	8 2	5 53		n.a.
T 19	8 36	6 39	0 26	6 23	0 34	15 13	5 28	24 57	1 14	3 7	1 8	15 40	1 41	15 8	0 16	13 17	1 14	27 53	4 12	8 4	8 1	5 55		n.a.
W20	8 59	11 1	0n58	7 6	0 27	14 49	5 16	24 59	1 16	3 13	1 8	15 38	1 41	15 10	0 16	13 17	1 14	27 53	4 12	8 4	7 59	5 57		n.a.
T 21	9 22	14 37	2 17	7 49	0 20	14 24	5 4	25 1	1 18	3 18	1 8	15 37	1 41	15 11	0 16	13 16	1 14	27 53	4 12	8 4	7 58	5 59		n.a.
F 22	9 44	17 11	3 26	8 32	0 14	13 59	4 51	25 3	1 20	3 23	1 8	15 35	1 41	15 12	0 16	13 16	1 14	27 52	4 12	8 4	7 57	6 0		n.a.
S 23	10 7	18 34	4 20	9 13	0 7	13 33	4 37	25 5	1 23	3 28	1 8	15 34	1 42	15 13	0 16	13 15	1 14	27 52	4 12	8 4	7 56	6 2		n.a.
S 24	10 29	18 46	4 56	9 55	0 1	13 6	4 24	25 7	1 25	3 33	1 8	15 33	1 42	15 14	0 16	13 15	1 14	27 52	4 12	8 4	7 55	6 4		n.a.
M25	10 51	17 53	5 15	10 36	0s 6	12 39	4 9	25 9	1 27	3 38	1 8	15 31	1 42	15 15	0 16	13 14	1 14	27 52	4 12	8 4	7 53	6 6		n.a.
T 26	11 13	16 4	5 17	11 16	0 13	12 13	3 55	25 11	1 29	3 43	1 8	15 30	1 42	15 16	0 16	13 14	1 14	27 52	4 12	8 3	7 52	6 8		n.a.
W27	11 35	13 32	5 3	11 56	0 19	11 46	3 39	25 13	1 32	3 49	1 8	15 29	1 42	15 18	0 16	13 13	1 14	27 52	4 12	8 3	7 51	6 9		n.a.
T 28	11 56	10 26	4 35	12 36	0 26	11 20	3 24	25 15	1 34	3 54	1 8	15 28	1 43	15 19	0 16	13 13	1 14	27 52	4 12	8 4	7 50	6 11		n.a.
F 29	12 18	6 57	3 55	13 15	0 32	10 54	3 9	25 17	1 36	3 59	1 8	15 26	1 43	15 20	0 16	13 13	1 14	27 52	4 11	8 4	7 48	6 13		n.a.
S 30	12 39	3 14	3 6	13 53	0 38	10 28	2 53	25 19	1 39	4 4	1 8	15 25	1 43	15 21	0 16	13 12	1 14	27 52	4 11	8 5	7 47	6 15		n.a.
S 31	13s 0	0n35	2n 9	14s30	0s44	10s 3	2s38	25n22	1n41	4s 9	1n 8	15n24	1n43	15s22	0n16	13n12	1n14	27s52	4s11	8s 5	7s46	6n16		n.a.

Julian Day Number = 1647915.5, Delta T = 03h32m40s
Ecliptic obliquity = 23°43'03, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'50, Lahiri = - 6°43'49 Julian Calendar 1 Oct. 202 BCE == Greg. Calendar 27 Sept. 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

NOVEMBER 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 24 3	5♏ 0'45	8♈20	7♏58	18°R51	3♋24	13♎13	23♑45	12♏ 4	28♑46	3♉15	20♎29	19♎35	14♈50	n.a.	M 1
T 2	2 28 0	6° 1'43	20° 8	9°33	18♎27	3°29	13°26	23°49	12° 8	28°48	3°17	20°R29	19°32	14°57	n.a.	T 2
W 3	2 31 56	7° 2'41	1♉58	11° 7	18° 6	3°34	13°38	23°53	12°11	28°49	3°18	20°29	19°29	15° 4	n.a.	W 3
T 4	2 35 53	8° 3'41	13°54	12°41	17°48	3°38	13°51	23°57	12°15	28°50	3°19	20°27	19°25	15°10	n.a.	T 4
F 5	2 39 49	9° 4'42	25°57	14°14	17°31	3°42	14° 4	24° 0	12°19	28°51	3°20	20°25	19°22	15°17	n.a.	F 5
S 6	2 43 46	10° 5'44	8♊ 8	15°48	17°18	3°44	14°16	24° 4	12°22	28°52	3°21	20°22	19°19	15°23	n.a.	S 6
S 7	2 47 42	11° 6'47	20°29	17°22	17° 6	3°46	14°29	24° 7	12°26	28°53	3°23	20°19	19°16	15°30	n.a.	S 7
M 8	2 51 39	12° 7'52	3♋ 3	18°56	16°57	3°47	14°41	24°10	12°30	28°54	3°24	20°15	19°13	15°37	n.a.	M 8
T 9	2 55 35	13° 8'57	15°50	20°30	16°51	3°R47	14°54	24°14	12°34	28°54	3°25	20°12	19° 9	15°43	n.a.	T 9
W10	2 59 32	14°10'04	28°53	22° 4	16°47	3°47	15° 6	24°17	12°37	28°55	3°27	20°10	19° 6	15°50	n.a.	W10
T 11	3 3 29	15°11'11	12♌15	23°38	16°D46	3°45	15°18	24°20	12°41	28°56	3°28	20°D 9	19° 3	15°57	n.a.	T 11
F 12	3 7 25	16°12'20	25°56	25°12	16°47	3°43	15°31	24°23	12°45	28°57	3°29	20°10	19° 0	16° 3	n.a.	F 12
S 13	3 11 22	17°13'29	9♍57	26°46	16°50	3°40	15°43	24°25	12°48	28°58	3°31	20°11	18°57	16°10	n.a.	S 13
S 14	3 15 18	18°14'40	24°19	28°20	16°56	3°36	15°55	24°28	12°52	28°59	3°32	20°12	18°54	16°17	n.a.	S 14
M15	3 19 15	19°15'51	8♎59	29°54	17° 5	3°32	16° 7	24°31	12°56	28°59	3°34	20°14	18°50	16°23	n.a.	M15
T 16	3 23 11	20°17'04	23°52	1♐28	17°15	3°26	16°20	24°33	12°59	29° 0	3°35	20°R14	18°47	16°30	n.a.	T 16
W17	3 27 8	21°18'17	8♏52	3° 2	17°28	3°20	16°32	24°36	13° 3	29° 1	3°37	20°13	18°44	16°37	n.a.	W17
T 18	3 31 4	22°19'31	23°50	4°36	17°43	3°13	16°44	24°38	13° 7	29° 1	3°38	20°10	18°41	16°43	n.a.	T 18
F 19	3 35 1	23°20'45	8♐38	6°10	18° 0	3° 5	16°55	24°40	13°10	29° 2	3°40	20° 6	18°38	16°50	n.a.	F 19
S 20	3 38 58	24°22'00	23° 7	7°43	18°19	2°56	17° 7	24°42	13°14	29° 2	3°41	20° 0	18°35	16°57	n.a.	S 20
S 21	3 42 54	25°23'15	7♑12	9°17	18°40	2°46	17°19	24°44	13°18	29° 3	3°43	19°55	18°31	17° 3	n.a.	S 21
M22	3 46 51	26°24'30	20°51	10°50	19° 2	2°35	17°31	24°46	13°21	29° 3	3°44	19°49	18°28	17°10	n.a.	M22
T 23	3 50 47	27°25'46	4♒ 1	12°22	19°27	2°24	17°42	24°48	13°25	29° 4	3°46	19°45	18°25	17°16	n.a.	T 23
W24	3 54 44	28°27'01	16°47	13°54	19°53	2°12	17°54	24°50	13°28	29° 4	3°48	19°43	18°22	17°23	n.a.	W24
T 25	3 58 40	29°28'16	29°10	15°25	20°21	1°59	18° 6	24°51	13°32	29° 4	3°49	19°D42	18°19	17°30	n.a.	T 25
F 26	4 2 37	0♐29'31	11♓17	16°55	20°51	1°45	18°17	24°53	13°36	29° 5	3°51	19°42	18°15	17°36	n.a.	F 26
S 27	4 6 34	1°30'46	23°12	18°24	21°23	1°31	18°28	24°54	13°39	29° 5	3°52	19°44	18°12	17°43	n.a.	S 27
S 28	4 10 30	2°32'01	5♈ 0	19°52	21°55	1°16	18°40	24°55	13°43	29° 5	3°54	19°46	18° 9	17°50	n.a.	S 28
M29	4 14 27	3°33'16	16°46	21°18	22°30	1° 0	18°51	24°56	13°46	29° 6	3°56	19°R47	18° 6	17°56	n.a.	M29
T 30	4 18 23	4♐34'31	28♈35	22♐42	23♎ 5	0♋43	19♎ 2	24♑57	13♏50	29♑ 6	3♉58	19♎46	18♎ 3	18♈ 3	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s21	4n22	1n 7	15s 7	0s50	9s39	2s22	25n24	1n44	4s14	1n 8	15n23	1n44	15s23	0n16	13n12	1n14	27s52	4s11	8s 5	7s45	6n18		n.a.
T 2	13 41	7 59	0 2	15 44	0 56	9 16	2 7	25 26	1 46	4 19	1 8	15 22	1 44	15 24	0 16	13 11	1 14	27 52	4 11	8 6	7 44	6 20		n.a.
W 3	14 1	11 19	1s 3	16 19	1 2	8 53	1 51	25 29	1 49	4 24	1 8	15 21	1 44	15 26	0 16	13 11	1 14	27 52	4 11	8 5	7 42	6 22		n.a.
T 4	14 21	14 11	2 6	16 54	1 8	8 32	1 36	25 31	1 51	4 29	1 8	15 20	1 44	15 27	0 16	13 11	1 14	27 52	4 11	8 5	7 41	6 24		n.a.
F 5	14 41	16 29	3 4	17 28	1 14	8 12	1 21	25 33	1 54	4 33	1 8	15 19	1 45	15 28	0 16	13 10	1 14	27 52	4 11	8 4	7 40	6 25		n.a.
S 6	15 1	18 4	3 54	18 1	1 19	7 53	1 6	25 36	1 56	4 38	1 9	15 18	1 45	15 29	0 16	13 10	1 14	27 52	4 11	8 3	7 39	6 27		n.a.
S 7	15 20	18 49	4 34	18 34	1 24	7 35	0 52	25 38	1 59	4 43	1 9	15 17	1 45	15 30	0 16	13 10	1 14	27 52	4 11	8 2	7 38	6 29		n.a.
M 8	15 39	18 40	5 1	19 5	1 29	7 19	0 38	25 41	2 1	4 48	1 9	15 16	1 45	15 31	0 16	13 9	1 15	27 52	4 11	8 0	7 36	6 31		n.a.
T 9	15 58	17 34	5 14	19 36	1 34	7 4	0 24	25 44	2 4	4 53	1 9	15 15	1 46	15 32	0 15	13 9	1 15	27 52	4 11	7 59	7 35	6 33		n.a.
W10	16 17	15 32	5 11	20 5	1 39	6 50	0 10	25 46	2 7	4 58	1 9	15 14	1 46	15 34	0 15	13 9	1 15	27 51	4 11	7 58	7 34	6 34		n.a.
T 11	16 35	12 39	4 52	20 34	1 43	6 37	0n 3	25 49	2 9	5 2	1 9	15 14	1 46	15 35	0 15	13 9	1 15	27 51	4 11	7 58	7 33	6 36		n.a.
F 12	16 53	9 1	4 16	21 2	1 48	6 26	0 15	25 52	2 12	5 7	1 9	15 13	1 46	15 36	0 15	13 8	1 15	27 51	4 11	7 58	7 31	6 38		n.a.
S 13	17 10	4 47	3 24	21 28	1 52	6 16	0 28	25 55	2 15	5 12	1 9	15 12	1 47	15 37	0 15	13 8	1 15	27 51	4 11	7 59	7 30	6 40		n.a.
S 14	17 28	0 11	2 18	21 54	1 55	6 7	0 39	25 57	2 17	5 17	1 9	15 12	1 47	15 38	0 15	13 8	1 15	27 51	4 11	7 59	7 29	6 41		n.a.
M15	17 45	4s33	1 1	22 18	1 59	6 0	0 51	26 0	2 20	5 21	1 9	15 11	1 47	15 39	0 15	13 8	1 15	27 51	4 11	8 0	7 28	6 43		n.a.
T 16	18 1	9 4	0n20	22 41	2 2	5 54	1 2	26 3	2 23	5 26	1 9	15 10	1 47	15 40	0 15	13 7	1 15	27 51	4 11	8 0	7 27	6 45		n.a.
W17	18 18	13 2	1 41	23 3	2 4	5 49	1 12	26 6	2 26	5 30	1 9	15 10	1 48	15 42	0 15	13 7	1 15	27 51	4 11	7 59	7 25	6 47		n.a.
T 18	18 34	16 9	2 54	23 23	2 7	5 46	1 23	26 9	2 28	5 35	1 9	15 9	1 48	15 43	0 15	13 7	1 15	27 51	4 11	7 58	7 24	6 48		n.a.
F 19	18 50	18 8	3 54	23 42	2 9	5 43	1 32	26 12	2 31	5 40	1 9	15 9	1 48	15 44	0 15	13 7	1 15	27 51	4 11	7 57	7 23	6 50		n.a.
S 20	19 5	18 54	4 39	24 0	2 11	5 42	1 42	26 15	2 34	5 44	1 9	15 8	1 48	15 45	0 15	13 7	1 15	27 51	4 11	7 55	7 22	6 52		n.a.
S 21	19 20	18 27	5 4	24 16	2 12	5 42	1 50	26 18	2 37	5 49	1 9	15 8	1 49	15 46	0 15	13 7	1 15	27 51	4 11	7 52	7 20	6 54		n.a.
M22	19 35	16 57	5 12	24 31	2 13	5 43	1 59	26 21	2 39	5 53	1 9	15 7	1 49	15 47	0 15	13 7	1 15	27 51	4 11	7 50	7 19	6 56		n.a.
T 23	19 49	14 35	5 2	24 44	2 13	5 44	2 7	26 24	2 42	5 57	1 10	15 7	1 49	15 48	0 15	13 7	1 15	27 51	4 11	7 49	7 18	6 57		n.a.
W24	20 3	11 34	4 38	24 55	2 12	5 47	2 15	26 27	2 45	6 2	1 10	15 7	1 49	15 49	0 15	13 6	1 15	27 51	4 11	7 48	7 17	6 59		n.a.
T 25	20 16	8 8	4 1	25 5	2 12	5 51	2 22	26 30	2 48	6 6	1 10	15 6	1 50	15 50	0 15	13 6	1 15	27 51	4 11	7 47	7 16	7 1		n.a.
F 26	20 29	4 26	3 14	25 14	2 10	5 56	2 29	26 33	2 50	6 11	1 10	15 6	1 50	15 51	0 15	13 6	1 15	27 51	4 11	7 48	7 14	7 3		n.a.
S 27	20 42	0 36	2 20	25 20	2 8	6 2	2 36	26 35	2 53	6 15	1 10	15 6	1 50	15 53	0 15	13 6	1 16	27 51	4 11	7 48	7 13	7 4		n.a.
S 28	20 55	3n13	1 20	25 25	2 5	6 8	2 42	26 38	2 56	6 19	1 10	15 6	1 50	15 54	0 15	13 6	1 16	27 51	4 11	7 49	7 12	7 6		n.a.
M29	21 6	6 55	0 16	25 27	2 2	6 16	2 48	26 41	2 58	6 23	1 10	15 6	1 51	15 55	0 15	13 6	1 16	27 51	4 11	7 49	7 11	7 8		n.a.
T 30	21s18	10n21	0s48	25s28	1s58	6s24	2n53	26n44	3n 1	6s27	1n10	15n 6	1n51	15s56	0n15	13n 6	1n16	27s51	4s11	7s49	7s 9	7n10		n.a.

Julian Day Number = 1647946.5, Delta T = 03h32m39s
Ecliptic obliquity = 23°43'02, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'46, Lahiri = - 6°43'45 Julian Calendar 1 Nov. 202 BCE == Greg. Calendar 28 Oct. 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 202 BCE
geocentric

DECEMBER 202 BCE (-201) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 22 20	5♐35'46	10♉30	24♐ 4	23♎42	0°R25	19♎13	24♏58	13♏53	29♏ 6	3♑59	19°R44	18♎ 0	18♈10	n.a.	W 1
T 2	4 26 16	6°37'00	22°35	25°23	24°21	0♋ 7	19°24	24°59	13°57	29° 6	4° 1	19♎39	17°56	18°16	n.a.	T 2
F 3	4 30 13	7°38'15	4♊50	26°39	25° 1	29♊49	19°35	25° 0	14° 0	29° 6	4° 3	19°32	17°53	18°23	n.a.	F 3
S 4	4 34 9	8°39'29	17°17	27°51	25°41	29°29	19°46	25° 0	14° 4	29° 6	4° 4	19°24	17°50	18°30	n.a.	S 4
S 5	4 38 6	9°40'43	29°57	28°59	26°23	29° 9	19°56	25° 1	14° 7	29°R 6	4° 6	19°14	17°47	18°36	n.a.	S 5
M 6	4 42 3	10°41'58	12♋49	0♑ 1	27° 7	28°49	20° 7	25° 1	14°11	29° 6	4° 8	19° 4	17°44	18°43	n.a.	M 6
T 7	4 45 59	11°43'12	25°54	0°57	27°51	28°28	20°18	25° 2	14°14	29° 6	4°10	18°56	17°41	18°49	n.a.	T 7
W 8	4 49 56	12°44'26	9♌10	1°47	28°36	28° 6	20°28	25° 2	14°17	29° 6	4°12	18°49	17°37	18°56	n.a.	W 8
T 9	4 53 52	13°45'40	22°38	2°29	29°22	27°44	20°38	25°R 2	14°21	29° 6	4°13	18°44	17°34	19° 3	n.a.	T 9
F 10	4 57 49	14°46'54	6♍19	3° 2	0♏10	27°22	20°49	25° 2	14°24	29° 6	4°15	18°42	17°31	19° 9	n.a.	F 10
S 11	5 1 45	15°48'08	20°11	3°26	0°58	26°59	20°59	25° 2	14°27	29° 6	4°17	18°D42	17°28	19°16	n.a.	S 11
S 12	5 5 42	16°49'21	4♎17	3°40	1°47	26°36	21° 9	25° 1	14°31	29° 5	4°19	18°42	17°25	19°23	n.a.	S 12
M13	5 9 38	17°50'35	18°35	3°R42	2°37	26°13	21°19	25° 1	14°34	29° 5	4°21	18°R43	17°21	19°29	n.a.	M13
T 14	5 13 35	18°51'48	3♏ 2	3°33	3°27	25°49	21°29	25° 0	14°37	29° 5	4°22	18°42	17°18	19°36	n.a.	T 14
W15	5 17 32	19°53'02	17°37	3°13	4°19	25°25	21°38	25° 0	14°40	29° 4	4°24	18°39	17°15	19°43	n.a.	W15
T 16	5 21 28	20°54'14	2♐12	2°40	5°11	25° 1	21°48	24°59	14°43	29° 4	4°26	18°33	17°12	19°49	n.a.	T 16
F 17	5 25 25	21°55'27	16°43	1°57	6° 4	24°37	21°58	24°58	14°47	29° 4	4°28	18°24	17° 9	19°56	n.a.	F 17
S 18	5 29 21	22°56'39	1♑ 1	1° 3	6°57	24°13	22° 7	24°57	14°50	29° 3	4°30	18°14	17° 6	20° 3	n.a.	S 18
S 19	5 33 18	23°57'50	15° 1	0° 0	7°51	23°49	22°16	24°56	14°53	29° 3	4°32	18° 3	17° 2	20° 9	n.a.	S 19
M20	5 37 14	24°59'00	28°39	28♐51	8°46	23°25	22°25	24°55	14°56	29° 2	4°34	17°52	16°59	20°16	n.a.	M20
T 21	5 41 11	26° 0'09	11♒52	27°36	9°42	23° 1	22°35	24°54	14°59	29° 2	4°36	17°42	16°56	20°23	n.a.	T 21
W22	5 45 8	27° 1'17	24°40	26°19	10°38	22°37	22°44	24°53	15° 2	29° 1	4°38	17°35	16°53	20°29	n.a.	W22
T 23	5 49 4	28° 2'24	7♓ 7	25° 2	11°34	22°13	22°52	24°51	15° 5	29° 1	4°39	17°31	16°50	20°36	n.a.	T 23
F 24	5 53 1	29° 3'30	19°16	23°47	12°31	21°50	23° 1	24°50	15° 8	29° 0	4°41	17°28	16°47	20°42	n.a.	F 24
S 25	5 56 57	0♑ 4'35	1♈12	22°36	13°29	21°27	23°10	24°48	15°11	28°59	4°43	17°D28	16°43	20°49	n.a.	S 25
S 26	6 0 54	1° 5'38	13° 1	21°31	14°27	21° 4	23°18	24°46	15°13	28°59	4°45	17°R28	16°40	20°56	n.a.	S 26
M27	6 4 50	2° 6'41	24°48	20°33	15°26	20°42	23°27	24°44	15°16	28°58	4°47	17°28	16°37	21° 2	n.a.	M27
T 28	6 8 47	3° 7'42	6♉38	19°43	16°25	20°20	23°35	24°42	15°19	28°57	4°49	17°26	16°34	21° 9	n.a.	T 28
W29	6 12 43	4° 8'41	18°37	19° 2	17°24	19°58	23°43	24°40	15°22	28°57	4°51	17°22	16°31	21°16	n.a.	W29
T 30	6 16 40	5° 9'40	0♊49	18°30	18°24	19°37	23°51	24°38	15°25	28°56	4°53	17°16	16°27	21°22	n.a.	T 30
F 31	6 20 37	6♑10'37	13♊15	18♐ 6	19♏24	19♊16	23♎59	24♏36	15♏27	28♏55	4♑55	17♎ 6	16♎24	21♈29	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	21s29	13n24	1s50	25s27	1s52	6s33	2n58	26n46	3n 3	6s32	1n10	15n 5	1n51	15s57	0n15	13n 6	1n16	27s51	4s11	7s48	7s 8	7n11		n.a.	W 1
T 2	21 40	15 55	2 48	25 25	1 46	6 43	3 3	26 49	3 6	6 36	1 10	15 5	1 51	15 58	0 15	13 6	1 16	27 51	4 11	7 46	7 7	7 13		n.a.	T 2
F 3	21 50	17 46	3 39	25 20	1 40	6 53	3 8	26 51	3 8	6 40	1 10	15 5	1 52	15 59	0 15	13 6	1 16	27 51	4 11	7 44	7 6	7 15		n.a.	F 3
S 4	22 0	18 47	4 20	25 13	1 32	7 4	3 12	26 54	3 11	6 44	1 11	15 5	1 52	16 0	0 15	13 6	1 16	27 51	4 11	7 41	7 5	7 16		n.a.	S 4
S 5	22 10	18 53	4 50	25 5	1 23	7 16	3 16	26 56	3 13	6 48	1 11	15 6	1 52	16 1	0 15	13 6	1 16	27 50	4 11	7 37	7 3	7 18		n.a.	S 5
M 6	22 19	18 2	5 5	24 55	1 12	7 28	3 19	26 58	3 15	6 52	1 11	15 6	1 53	16 2	0 15	13 6	1 16	27 50	4 11	7 33	7 2	7 20		n.a.	M 6
T 7	22 27	16 14	5 4	24 44	1 1	7 41	3 23	27 0	3 18	6 56	1 11	15 6	1 53	16 3	0 15	13 6	1 16	27 50	4 12	7 30	7 1	7 22		n.a.	T 7
W 8	22 35	13 33	4 48	24 31	0 49	7 54	3 26	27 2	3 20	6 59	1 11	15 6	1 53	16 4	0 15	13 6	1 16	27 50	4 12	7 27	7 0	7 23		n.a.	W 8
T 9	22 43	10 7	4 15	24 17	0 35	8 8	3 29	27 4	3 22	7 3	1 11	15 6	1 53	16 5	0 15	13 7	1 16	27 50	4 12	7 25	6 58	7 25		n.a.	T 9
F 10	22 50	6 6	3 27	24 1	0 20	8 22	3 31	27 5	3 24	7 7	1 11	15 7	1 54	16 6	0 15	13 7	1 16	27 50	4 12	7 25	6 57	7 27		n.a.	F 10
S 11	22 57	1 41	2 27	23 45	0 4	8 36	3 34	27 7	3 26	7 11	1 11	15 7	1 54	16 7	0 15	13 7	1 16	27 50	4 12	7 24	6 56	7 29		n.a.	S 11
S 12	23 3	2s53	1 17	23 27	0n13	8 52	3 36	27 8	3 28	7 15	1 11	15 7	1 54	16 8	0 15	13 7	1 16	27 50	4 12	7 25	6 55	7 30		n.a.	S 12
M13	23 9	7 22	0 1	23 9	0 31	9 7	3 37	27 9	3 30	7 18	1 12	15 8	1 54	16 9	0 15	13 7	1 16	27 50	4 12	7 25	6 54	7 32		n.a.	M13
T 14	23 15	11 29	1n16	22 51	0 49	9 23	3 39	27 10	3 32	7 22	1 12	15 8	1 55	16 10	0 15	13 7	1 16	27 50	4 12	7 25	6 52	7 34		n.a.	T 14
W15	23 20	14 55	2 28	22 32	1 8	9 39	3 40	27 11	3 33	7 25	1 12	15 8	1 55	16 11	0 15	13 7	1 16	27 50	4 12	7 23	6 51	7 36		n.a.	W15
T 16	23 24	17 24	3 30	22 14	1 28	9 55	3 42	27 12	3 35	7 29	1 12	15 9	1 55	16 12	0 15	13 7	1 17	27 50	4 12	7 21	6 50	7 37		n.a.	T 16
F 17	23 28	18 45	4 19	21 55	1 47	10 12	3 43	27 12	3 36	7 32	1 12	15 9	1 55	16 13	0 15	13 8	1 17	27 50	4 12	7 18	6 49	7 39		n.a.	F 17
S 18	23 32	18 53	4 50	21 37	2 6	10 29	3 43	27 13	3 38	7 36	1 12	15 10	1 56	16 14	0 15	13 8	1 17	27 50	4 12	7 14	6 47	7 41		n.a.	S 18
S 19	23 35	17 51	5 3	21 20	2 23	10 46	3 44	27 13	3 39	7 39	1 12	15 11	1 56	16 15	0 15	13 8	1 17	27 50	4 12	7 9	6 46	7 42		n.a.	S 19
M20	23 37	15 48	4 58	21 3	2 40	11 3	3 44	27 13	3 40	7 42	1 12	15 11	1 56	16 16	0 15	13 8	1 17	27 50	4 12	7 5	6 45	7 44		n.a.	M20
T 21	23 39	13 0	4 37	20 48	2 54	11 21	3 44	27 13	3 41	7 46	1 13	15 12	1 56	16 16	0 15	13 9	1 17	27 50	4 12	7 2	6 44	7 46		n.a.	T 21
W22	23 41	9 38	4 3	20 33	3 6	11 38	3 44	27 13	3 42	7 49	1 13	15 13	1 57	16 17	0 15	13 9	1 17	27 50	4 12	6 59	6 42	7 48		n.a.	W22
T 23	23 42	5 57	3 17	20 21	3 17	11 56	3 44	27 12	3 43	7 52	1 13	15 13	1 57	16 18	0 15	13 9	1 17	27 50	4 12	6 57	6 41	7 49		n.a.	T 23
F 24	23 43	2 5	2 24	20 10	3 24	12 14	3 43	27 11	3 44	7 55	1 13	15 14	1 57	16 19	0 15	13 9	1 17	27 50	4 12	6 56	6 40	7 51		n.a.	F 24
S 25	23 43	1n47	1 26	20 1	3 29	12 32	3 43	27 11	3 45	7 58	1 13	15 15	1 57	16 20	0 15	13 10	1 17	27 50	4 12	6 56	6 39	7 53		n.a.	S 25
S 26	23 43	5 34	0 24	19 55	3 32	12 49	3 42	27 10	3 46	8 1	1 13	15 16	1 58	16 21	0 15	13 10	1 17	27 50	4 13	6 56	6 38	7 54		n.a.	S 26
M27	23 42	9 7	0s39	19 50	3 33	13 7	3 41	27 9	3 46	8 4	1 13	15 17	1 58	16 22	0 15	13 10	1 17	27 50	4 13	6 56	6 36	7 56		n.a.	M27
T 28	23 41	12 19	1 40	19 48	3 31	13 25	3 40	27 7	3 47	8 7	1 14	15 18	1 58	16 22	0 15	13 10	1 17	27 50	4 13	6 55	6 35	7 58		n.a.	T 28
W29	23 39	15 3	2 37	19 48	3 28	13 43	3 39	27 6	3 47	8 10	1 14	15 18	1 58	16 23	0 15	13 11	1 17	27 50	4 13	6 54	6 34	7 59		n.a.	W29
T 30	23 37	17 10	3 28	19 50	3 23	14 1	3 38	27 5	3 47	8 13	1 14	15 19	1 59	16 24	0 15	13 11	1 17	27 50	4 13	6 51	6 33	8 1		n.a.	T 30
F 31	23s34	18n31	4s10	19s54	3n17	14s19	3n36	27n 3	3n47	8s16	1n14	15n20	1n59	16s25	0n15	13n11	1n17	27s50	4s13	6s48	6s31	8n 3		n.a.	F 31

Julian Day Number = 1647976.5, Delta T = 03h32m38s
Ecliptic obliquity = 23°43'01, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'42, Lahiri = - 6°43'41 Julian Calendar 1 Dec. 202 BCE == Greg. Calendar 27 Nov. 202 BCE

The year -201 astronomical counting style corresponds to year 202 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

JANUARY 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 24 33	7♑11'33	25♊59	17°R52	20♏25	18°R56	24♎ 6	24°R33	15♏30	28°R54	4♑57	16°R54	16♎21	21♈36	n.a.	S 1
S 2	6 28 30	8°12'28	8♋59	17°D45	21°26	18♊37	24°14	24♌31	15°32	28♌53	4°58	16♎41	16°18	21°42	n.a.	S 2
M 3	6 32 26	9°13'22	22°14	17♐46	22°28	18°18	24°21	24°28	15°35	28°52	5° 0	16°27	16°15	21°49	n.a.	M 3
T 4	6 36 23	10°14'14	5♌43	17°55	23°29	18° 0	24°29	24°26	15°38	28°51	5° 2	16°15	16°12	21°56	n.a.	T 4
W 5	6 40 19	11°15'05	19°23	18°10	24°32	17°42	24°36	24°23	15°40	28°50	5° 4	16° 5	16° 8	22° 2	n.a.	W 5
T 6	6 44 16	12°15'55	3♍11	18°32	25°34	17°26	24°43	24°20	15°42	28°49	5° 6	15°58	16° 5	22° 9	n.a.	T 6
F 7	6 48 12	13°16'44	17° 5	19° 0	26°37	17° 9	24°50	24°17	15°45	28°48	5° 8	15°54	16° 2	22°16	n.a.	F 7
S 8	6 52 9	14°17'32	1♎ 4	19°32	27°40	16°54	24°56	24°14	15°47	28°47	5°10	15°52	15°59	22°22	n.a.	S 8
S 9	6 56 6	15°18'19	15° 6	20°10	28°44	16°39	25° 3	24°11	15°50	28°46	5°12	15°52	15°56	22°29	n.a.	S 9
M10	7 0 2	16°19'04	29°12	20°52	29°48	16°25	25° 9	24° 8	15°52	28°45	5°14	15°52	15°53	22°35	n.a.	M10
T 11	7 3 59	17°19'49	13♏20	21°38	0♐52	16°12	25°16	24° 5	15°54	28°44	5°15	15°50	15°49	22°42	n.a.	T 11
W12	7 7 55	18°20'32	27°29	22°28	1°56	15°59	25°22	24° 2	15°56	28°43	5°17	15°46	15°46	22°49	n.a.	W12
T 13	7 11 52	19°21'14	11♐37	23°22	3° 0	15°48	25°28	23°58	15°58	28°42	5°19	15°39	15°43	22°55	n.a.	T 13
F 14	7 15 48	20°21'55	25°41	24°18	4° 5	15°37	25°34	23°55	16° 0	28°40	5°21	15°29	15°40	23° 2	n.a.	F 14
S 15	7 19 45	21°22'34	9♑35	25°17	5°10	15°27	25°39	23°51	16° 3	28°39	5°23	15°17	15°37	23° 9	n.a.	S 15
S 16	7 23 41	22°23'12	23°15	26°19	6°16	15°17	25°45	23°48	16° 5	28°38	5°25	15° 4	15°33	23°15	n.a.	S 16
M17	7 27 38	23°23'48	6♒39	27°24	7°21	15° 9	25°50	23°44	16° 7	28°37	5°27	14°51	15°30	23°22	n.a.	M17
T 18	7 31 35	24°24'22	19°43	28°30	8°27	15° 1	25°55	23°40	16° 8	28°35	5°28	14°40	15°27	23°29	n.a.	T 18
W19	7 35 31	25°24'55	2♓27	29°39	9°33	14°54	26° 0	23°36	16°10	28°34	5°30	14°31	15°24	23°35	n.a.	W19
T 20	7 39 28	26°25'25	14°52	0♑50	10°39	14°48	26° 5	23°32	16°12	28°33	5°32	14°25	15°21	23°42	n.a.	T 20
F 21	7 43 24	27°25'54	27° 1	2° 3	11°45	14°43	26°10	23°29	16°14	28°31	5°34	14°21	15°18	23°49	n.a.	F 21
S 22	7 47 21	28°26'21	8♈58	3°17	12°52	14°39	26°14	23°25	16°16	28°30	5°36	14°20	15°14	23°55	n.a.	S 22
S 23	7 51 17	29°26'45	20°47	4°33	13°58	14°35	26°19	23°20	16°17	28°29	5°37	14°D20	15°11	24° 2	n.a.	S 23
M24	7 55 14	0♒27'08	2♉35	5°51	15° 5	14°32	26°23	23°16	16°19	28°27	5°39	14°R20	15° 8	24° 9	n.a.	M24
T 25	7 59 10	1°27'28	14°26	7°10	16°12	14°30	26°27	23°12	16°20	28°26	5°41	14°19	15° 5	24°15	n.a.	T 25
W26	8 3 7	2°27'47	26°27	8°30	17°19	14°29	26°31	23° 8	16°22	28°24	5°43	14°17	15° 2	24°22	n.a.	W26
T 27	8 7 4	3°28'03	8♊41	9°52	18°27	14°D28	26°34	23° 4	16°23	28°23	5°44	14°12	14°58	24°28	n.a.	T 27
F 28	8 11 0	4°28'18	21°14	11°16	19°34	14°28	26°38	22°59	16°25	28°21	5°46	14° 4	14°55	24°35	n.a.	F 28
S 29	8 14 57	5°28'30	4♋ 7	12°40	20°42	14°29	26°41	22°55	16°26	28°20	5°48	13°54	14°52	24°42	n.a.	S 29
S 30	8 18 53	6°28'40	17°22	14° 6	21°49	14°31	26°44	22°51	16°28	28°19	5°50	13°43	14°49	24°48	n.a.	S 30
M31	8 22 50	7♒28'48	0♌57	15♑33	22♐57	14♊33	26♎47	22♌46	16♏29	28♌17	5♑51	13♎31	14♎46	24♈55	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s31	18n58	4s41	20s 0	3n10	14s37	3n34	27n 2	3n47	8s18	1n14	15n21	1n59	16s26	0n15	13n12	1n17	27s50	4s13	6s43	6s30	8n 5		n.a.
S 2	23 28	18 27	4 58	20 8	3 2	14 55	3 33	27 0	3 48	8 21	1 14	15 23	1 59	16 26	0 15	13 12	1 17	27 50	4 13	6 38	6 29	8 6		n.a.
M 3	23 24	16 56	4 59	20 17	2 53	15 12	3 31	26 58	3 47	8 24	1 14	15 24	2 0	16 27	0 15	13 12	1 17	27 50	4 13	6 33	6 28	8 8		n.a.
T 4	23 19	14 29	4 44	20 27	2 43	15 30	3 29	26 56	3 47	8 26	1 15	15 25	2 0	16 28	0 15	13 13	1 17	27 50	4 13	6 28	6 26	8 10		n.a.
W 5	23 14	11 12	4 12	20 38	2 33	15 47	3 27	26 55	3 47	8 29	1 15	15 26	2 0	16 29	0 15	13 13	1 17	27 50	4 13	6 24	6 25	8 11		n.a.
T 6	23 9	7 16	3 25	20 51	2 23	16 4	3 24	26 53	3 47	8 31	1 15	15 27	2 0	16 29	0 15	13 14	1 18	27 50	4 13	6 21	6 24	8 13		n.a.
F 7	23 3	2 55	2 26	21 3	2 12	16 21	3 22	26 51	3 46	8 34	1 15	15 28	2 1	16 30	0 15	13 14	1 18	27 50	4 13	6 19	6 23	8 15		n.a.
S 8	22 56	1s37	1 17	21 17	2 2	16 38	3 19	26 49	3 46	8 36	1 15	15 29	2 1	16 31	0 15	13 14	1 18	27 50	4 14	6 19	6 21	8 16		n.a.
S 9	22 50	6 5	0 4	21 30	1 51	16 54	3 17	26 47	3 46	8 38	1 15	15 31	2 1	16 31	0 15	13 15	1 18	27 50	4 14	6 19	6 20	8 18		n.a.
M10	22 42	10 14	1n10	21 44	1 40	17 11	3 14	26 45	3 45	8 40	1 16	15 32	2 1	16 32	0 15	13 15	1 18	27 50	4 14	6 19	6 19	8 20		n.a.
T 11	22 35	13 48	2 20	21 57	1 30	17 27	3 11	26 43	3 44	8 43	1 16	15 33	2 1	16 33	0 15	13 16	1 18	27 50	4 14	6 18	6 18	8 21		n.a.
W12	22 27	16 34	3 21	22 11	1 19	17 43	3 9	26 41	3 44	8 45	1 16	15 35	2 2	16 33	0 15	13 16	1 18	27 50	4 14	6 16	6 17	8 23		n.a.
T 13	22 18	18 19	4 10	22 24	1 9	17 58	3 6	26 39	3 43	8 47	1 16	15 36	2 2	16 34	0 15	13 17	1 18	27 50	4 14	6 14	6 15	8 25		n.a.
F 14	22 9	18 56	4 43	22 37	0 58	18 13	3 2	26 37	3 42	8 49	1 16	15 37	2 2	16 35	0 15	13 17	1 18	27 50	4 14	6 10	6 14	8 26		n.a.
S 15	22 0	18 24	4 59	22 50	0 48	18 28	2 59	26 35	3 41	8 51	1 16	15 39	2 2	16 35	0 15	13 18	1 18	27 50	4 14	6 5	6 13	8 28		n.a.
S 16	21 50	16 48	4 57	23 2	0 38	18 43	2 56	26 33	3 41	8 52	1 17	15 40	2 2	16 36	0 15	13 18	1 18	27 50	4 14	6 0	6 12	8 30		n.a.
M17	21 40	14 19	4 39	23 13	0 28	18 57	2 53	26 31	3 40	8 54	1 17	15 41	2 3	16 36	0 15	13 19	1 18	27 51	4 15	5 55	6 10	8 31		n.a.
T 18	21 29	11 10	4 7	23 24	0 19	19 11	2 50	26 29	3 39	8 56	1 17	15 43	2 3	16 37	0 15	13 19	1 18	27 51	4 15	5 51	6 9	8 33		n.a.
W19	21 18	7 34	3 23	23 33	0 10	19 24	2 46	26 27	3 38	8 58	1 17	15 44	2 3	16 37	0 15	13 19	1 18	27 51	4 15	5 47	6 8	8 35		n.a.
T 20	21 7	3 44	2 30	23 42	0 0	19 37	2 43	26 26	3 37	8 59	1 17	15 46	2 3	16 38	0 15	13 20	1 18	27 51	4 15	5 45	6 7	8 36		n.a.
F 21	20 55	0n11	1 31	23 50	0s 8	19 50	2 39	26 24	3 36	9 1	1 18	15 47	2 3	16 38	0 15	13 20	1 18	27 51	4 15	5 43	6 5	8 38		n.a.
S 22	20 43	4 2	0 29	23 58	0 17	20 2	2 35	26 22	3 35	9 2	1 18	15 49	2 4	16 39	0 15	13 21	1 18	27 51	4 15	5 43	6 4	8 40		n.a.
S 23	20 30	7 41	0s34	24 4	0 25	20 14	2 32	26 21	3 33	9 4	1 18	15 50	2 4	16 39	0 15	13 22	1 18	27 51	4 15	5 43	6 3	8 41		n.a.
M24	20 17	11 1	1 36	24 9	0 33	20 25	2 28	26 19	3 32	9 5	1 18	15 52	2 4	16 40	0 15	13 22	1 18	27 51	4 15	5 43	6 2	8 43		n.a.
T 25	20 4	13 55	2 33	24 12	0 41	20 36	2 24	26 18	3 31	9 6	1 18	15 53	2 4	16 40	0 15	13 23	1 18	27 51	4 16	5 43	6 0	8 45		n.a.
W26	19 50	16 16	3 24	24 15	0 49	20 46	2 21	26 17	3 30	9 8	1 18	15 55	2 4	16 41	0 15	13 23	1 18	27 51	4 16	5 42	5 59	8 46		n.a.
T 27	19 36	17 56	4 7	24 17	0 56	20 56	2 17	26 15	3 29	9 9	1 19	15 57	2 4	16 41	0 15	13 24	1 18	27 51	4 16	5 40	5 58	8 48		n.a.
F 28	19 22	18 47	4 39	24 17	1 3	21 6	2 13	26 14	3 27	9 10	1 19	15 58	2 5	16 42	0 15	13 24	1 18	27 51	4 16	5 37	5 57	8 50		n.a.
S 29	19 7	18 41	4 58	24 16	1 10	21 15	2 9	26 13	3 26	9 11	1 19	16 0	2 5	16 42	0 15	13 25	1 18	27 51	4 16	5 33	5 55	8 51		n.a.
S 30	18 52	17 35	5 2	24 13	1 16	21 23	2 5	26 12	3 25	9 12	1 19	16 1	2 5	16 42	0 15	13 25	1 18	27 51	4 16	5 28	5 54	8 53		n.a.
M31	18s37	15n28	4s49	24s 9	1s22	21s31	2n 1	26n11	3n24	9s13	1n19	16n 3	2n 5	16s43	0n15	13n26	1n18	27s51	4s16	5s24	5s53	8n55		n.a.

Julian Day Number = 1648007.5, Delta T = 03h32m37s
Ecliptic obliquity = 23°43'01, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'37, Lahiri = - 6°43'37 Julian Calendar 1 Jan. 201 BCE == Greg. Calendar 28 Dec. 202 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

FEBRUARY 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 26 46	8♒28'54	14♌50	17♑ 1	24♐ 5	14♊36	26♎50	22°R42	16♏30	28°R15	5♑53	13°R21	14♎43	25♈ 2	n.a.	T 1
W 2	8 30 43	9°28'58	28°56	18°30	25°13	14°40	26°53	22♌37	16°31	28♌14	5°55	13♎12	14°39	25° 8	n.a.	W 2
T 3	8 34 39	10°29'00	13♍11	20° 1	26°22	14°44	26°55	22°33	16°32	28°12	5°56	13° 6	14°36	25°15	n.a.	T 3
F 4	8 38 36	11°29'01	27°30	21°33	27°30	14°49	26°57	22°28	16°34	28°11	5°58	13° 3	14°33	25°22	n.a.	F 4
S 5	8 42 33	12°28'59	11♎48	23° 5	28°39	14°55	26°59	22°23	16°35	28° 9	5°59	13°D 2	14°30	25°28	n.a.	S 5
S 6	8 46 29	13°28'56	26° 2	24°39	29°47	15° 1	27° 1	22°19	16°35	28° 8	6° 1	13° 2	14°27	25°35	n.a.	S 6
M 7	8 50 26	14°28'51	10♏11	26°14	0♑56	15° 8	27° 3	22°14	16°36	28° 6	6° 3	13°R 3	14°24	25°42	n.a.	M 7
T 8	8 54 22	15°28'45	24°13	27°51	2° 5	15°16	27° 4	22°10	16°37	28° 4	6° 4	13° 3	14°20	25°48	n.a.	T 8
W 9	8 58 19	16°28'37	8♐ 9	29°28	3°14	15°24	27° 5	22° 5	16°38	28° 3	6° 6	13° 0	14°17	25°55	n.a.	W 9
T 10	9 2 15	17°28'27	21°56	1♒ 7	4°23	15°33	27° 7	22° 0	16°39	28° 1	6° 7	12°56	14°14	26° 2	n.a.	T 10
F 11	9 6 12	18°28'15	5♑33	2°47	5°32	15°42	27° 8	21°55	16°40	28° 0	6° 9	12°49	14°11	26° 8	n.a.	F 11
S 12	9 10 8	19°28'01	19° 1	4°27	6°41	15°52	27° 8	21°51	16°40	27°58	6°10	12°41	14° 8	26°15	n.a.	S 12
S 13	9 14 5	20°27'46	2♒16	6°10	7°51	16° 3	27° 9	21°46	16°41	27°56	6°12	12°31	14° 4	26°21	n.a.	S 13
M14	9 18 1	21°27'28	15°17	7°53	9° 0	16°14	27° 9	21°41	16°41	27°55	6°13	12°22	14° 1	26°28	n.a.	M14
T 15	9 21 58	22°27'08	28° 3	9°37	10°10	16°26	27°R 9	21°37	16°42	27°53	6°15	12°14	13°58	26°35	n.a.	T 15
W16	9 25 55	23°26'46	10♓35	11°23	11°19	16°38	27° 9	21°32	16°42	27°51	6°16	12° 7	13°55	26°41	n.a.	W16
T 17	9 29 51	24°26'22	22°52	13°10	12°29	16°51	27° 9	21°27	16°43	27°50	6°17	12° 3	13°52	26°48	n.a.	T 17
F 18	9 33 48	25°25'55	4♈56	14°58	13°39	17° 4	27° 9	21°22	16°43	27°48	6°19	12° 1	13°49	26°55	n.a.	F 18
S 19	9 37 44	26°25'27	16°51	16°48	14°49	17°18	27° 8	21°18	16°43	27°46	6°20	12°D 1	13°45	27° 1	n.a.	S 19
S 20	9 41 41	27°24'55	28°40	18°38	15°59	17°32	27° 7	21°13	16°43	27°45	6°21	12° 2	13°42	27° 8	n.a.	S 20
M21	9 45 37	28°24'22	10♉28	20°30	17° 9	17°47	27° 6	21° 8	16°44	27°43	6°23	12° 3	13°39	27°15	n.a.	M21
T 22	9 49 34	29°23'46	22°19	22°24	18°19	18° 2	27° 5	21° 4	16°44	27°41	6°24	12° 5	13°36	27°21	n.a.	T 22
W23	9 53 30	0♓23'08	4♊19	24°18	19°29	18°18	27° 4	20°59	16°44	27°40	6°25	12°R 5	13°33	27°28	n.a.	W23
T 24	9 57 27	1°22'27	16°33	26°14	20°39	18°34	27° 2	20°54	16°R44	27°38	6°27	12° 3	13°30	27°35	n.a.	T 24
F 25	10 1 24	2°21'44	29° 6	28°11	21°49	18°50	27° 1	20°50	16°44	27°36	6°28	12° 0	13°26	27°41	n.a.	F 25
S 26	10 5 20	3°20'59	12♋ 0	0♓ 9	22°59	19° 7	26°59	20°45	16°44	27°35	6°29	11°56	13°23	27°48	n.a.	S 26
S 27	10 9 17	4°20'11	25°20	2° 8	24°10	19°25	26°57	20°41	16°44	27°33	6°30	11°50	13°20	27°55	n.a.	S 27
M28	10 13 13	5°19'21	9♌ 4	4° 9	25°20	19°42	26°54	20°36	16°43	27°32	6°31	11°44	13°17	28° 1	n.a.	M28
T 29	10 17 10	6♓18'28	23♌12	6♓10	26♑31	20♊ 1	26♎52	20♌32	16♏43	27♌30	6♑32	11♎39	13♎14	28♈ 8	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s21	12n27	4s19	24s 4	1s27	21s38	1n57	26n10	3n22	9s14	1n20	16n 5	2n 5	16s43	0n15	13n26	1n18	27s51	4s16	5s20	5s52	8n56		n.a.
W 2	18 5	8 40	3 32	23 57	1 33	21 45	1 53	26 9	3 21	9 14	1 20	16 6	2 5	16 43	0 15	13 27	1 18	27 51	4 17	5 16	5 50	8 58		n.a.
T 3	17 49	4 20	2 32	23 49	1 38	21 51	1 49	26 8	3 20	9 15	1 20	16 8	2 5	16 44	0 15	13 28	1 18	27 51	4 17	5 14	5 49	9 0		n.a.
F 4	17 32	0s15	1 22	23 39	1 42	21 57	1 45	26 8	3 19	9 16	1 20	16 9	2 5	16 44	0 15	13 28	1 18	27 51	4 17	5 13	5 48	9 1		n.a.
S 5	17 15	4 49	0 7	23 28	1 47	22 2	1 41	26 7	3 17	9 16	1 20	16 11	2 6	16 44	0 15	13 29	1 19	27 52	4 17	5 12	5 47	9 3		n.a.
S 6	16 58	9 6	1n 9	23 15	1 51	22 6	1 37	26 7	3 16	9 17	1 21	16 13	2 6	16 45	0 15	13 29	1 19	27 52	4 17	5 12	5 46	9 5		n.a.
M 7	16 41	12 50	2 20	23 1	1 54	22 10	1 33	26 6	3 15	9 17	1 21	16 14	2 6	16 45	0 15	13 30	1 19	27 52	4 17	5 13	5 44	9 6		n.a.
T 8	16 23	15 47	3 22	22 45	1 57	22 13	1 29	26 6	3 13	9 17	1 21	16 16	2 6	16 45	0 15	13 30	1 19	27 52	4 18	5 12	5 43	9 8		n.a.
W 9	16 5	17 47	4 12	22 27	2 0	22 16	1 24	26 5	3 12	9 18	1 21	16 18	2 6	16 45	0 15	13 31	1 19	27 52	4 18	5 12	5 42	9 9		n.a.
T 10	15 47	18 43	4 46	22 8	2 2	22 18	1 20	26 5	3 11	9 18	1 21	16 19	2 6	16 46	0 15	13 32	1 19	27 52	4 18	5 10	5 41	9 11		n.a.
F 11	15 28	18 33	5 4	21 47	2 4	22 20	1 16	26 5	3 9	9 18	1 21	16 21	2 6	16 46	0 15	13 32	1 19	27 52	4 18	5 7	5 39	9 13		n.a.
S 12	15 9	17 20	5 4	21 24	2 6	22 21	1 12	26 5	3 8	9 18	1 22	16 23	2 6	16 46	0 15	13 33	1 19	27 52	4 18	5 4	5 38	9 14		n.a.
S 13	14 50	15 12	4 48	21 0	2 7	22 21	1 8	26 4	3 7	9 18	1 22	16 24	2 6	16 46	0 15	13 33	1 19	27 52	4 18	5 0	5 37	9 16		n.a.
M14	14 31	12 20	4 18	20 34	2 8	22 21	1 4	26 4	3 6	9 18	1 22	16 26	2 6	16 46	0 15	13 34	1 19	27 52	4 18	4 56	5 36	9 18		n.a.
T 15	14 11	8 56	3 34	20 6	2 8	22 20	1 0	26 4	3 4	9 18	1 22	16 27	2 7	16 46	0 15	13 35	1 19	27 52	4 19	4 53	5 34	9 19		n.a.
W16	13 52	5 12	2 41	19 36	2 8	22 18	0 56	26 4	3 3	9 18	1 22	16 29	2 7	16 47	0 15	13 35	1 19	27 52	4 19	4 51	5 33	9 21		n.a.
T 17	13 32	1 19	1 42	19 5	2 7	22 16	0 52	26 4	3 2	9 18	1 23	16 31	2 7	16 47	0 16	13 36	1 19	27 53	4 19	4 49	5 32	9 22		n.a.
F 18	13 12	2n34	0 38	18 32	2 6	22 13	0 48	26 4	3 0	9 17	1 23	16 32	2 7	16 47	0 16	13 36	1 19	27 53	4 19	4 48	5 31	9 24		n.a.
S 19	12 51	6 18	0s26	17 57	2 4	22 10	0 44	26 4	2 59	9 17	1 23	16 34	2 7	16 47	0 16	13 37	1 19	27 53	4 19	4 48	5 29	9 26		n.a.
S 20	12 31	9 44	1 29	17 20	2 2	22 6	0 40	26 4	2 58	9 17	1 23	16 35	2 7	16 47	0 16	13 38	1 19	27 53	4 19	4 49	5 28	9 27		n.a.
M21	12 10	12 47	2 28	16 42	1 59	22 1	0 36	26 5	2 56	9 16	1 23	16 37	2 7	16 47	0 16	13 38	1 19	27 53	4 20	4 49	5 27	9 29		n.a.
T 22	11 49	15 19	3 21	16 2	1 56	21 55	0 32	26 5	2 55	9 15	1 23	16 39	2 7	16 47	0 16	13 39	1 19	27 53	4 20	4 50	5 26	9 30		n.a.
W23	11 28	17 13	4 6	15 20	1 52	21 50	0 28	26 5	2 54	9 15	1 24	16 40	2 7	16 47	0 16	13 39	1 19	27 53	4 20	4 50	5 24	9 32		n.a.
T 24	11 7	18 22	4 41	14 36	1 48	21 43	0 24	26 5	2 53	9 14	1 24	16 42	2 7	16 47	0 16	13 40	1 19	27 53	4 20	4 49	5 23	9 34		n.a.
F 25	10 45	18 40	5 3	13 51	1 43	21 36	0 20	26 5	2 51	9 13	1 24	16 43	2 7	16 47	0 16	13 40	1 19	27 53	4 20	4 48	5 22	9 35		n.a.
S 26	10 24	18 0	5 11	13 4	1 37	21 28	0 16	26 5	2 50	9 13	1 24	16 45	2 7	16 47	0 16	13 41	1 19	27 54	4 21	4 46	5 21	9 37		n.a.
S 27	10 2	16 22	5 3	12 15	1 31	21 19	0 12	26 6	2 49	9 12	1 24	16 46	2 7	16 47	0 16	13 42	1 19	27 54	4 21	4 44	5 19	9 38		n.a.
M28	9 40	13 45	4 37	11 25	1 25	21 10	0 9	26 6	2 48	9 11	1 24	16 48	2 7	16 47	0 16	13 42	1 19	27 54	4 21	4 42	5 18	9 40		n.a.
T 29	9s18	10n16	3s54	10s33	1s18	21s 1	0n 5	26n 6	2n46	9s10	1n25	16n49	2n 7	16s47	0n16	13n43	1n19	27s54	4s21	4s39	5s17	9n42		n.a.

Julian Day Number = 1648038.5, Delta T = 03h32m36s
Ecliptic obliquity = 23°43'01, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'33, Lahiri = - 6°43'33 Julian Calendar 1 Feb. 201 BCE == Greg. Calendar 28 Jan. 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

MARCH 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 21 6	7♓17'34	7♍38	8♓12	27♉41	20♊19	26°R49	20°R27	16°R43	27°R28	6♉34	11°R34	13♎10	28♈14	n.a.	W 1
T 2	10 25 3	8°16'37	22°17	10°15	28°52	20°38	26♎47	20♌23	16♏42	27♌27	6°35	11♎31	13° 7	28°21	n.a.	T 2
F 3	10 28 59	9°15'38	7♎ 2	12°19	0♒ 2	20°57	26°44	20°19	16°42	27°25	6°36	11°D30	13° 4	28°28	n.a.	F 3
S 4	10 32 56	10°14'37	21°45	14°23	1°13	21°17	26°40	20°14	16°42	27°23	6°37	11°30	13° 1	28°34	n.a.	S 4
S 5	10 36 52	11°13'34	6♏22	16°27	2°24	21°37	26°37	20°10	16°41	27°22	6°38	11°31	12°58	28°41	n.a.	S 5
M 6	10 40 49	12°12'29	20°47	18°31	3°35	21°58	26°34	20° 6	16°41	27°20	6°39	11°33	12°55	28°48	n.a.	M 6
T 7	10 44 46	13°11'23	4♐57	20°35	4°45	22°18	26°30	20° 2	16°40	27°19	6°40	11°34	12°51	28°54	n.a.	T 7
W 8	10 48 42	14°10'15	18°51	22°38	5°56	22°39	26°26	19°58	16°39	27°17	6°41	11°R34	12°48	29° 1	n.a.	W 8
T 9	10 52 39	15° 9'05	2♑29	24°41	7° 7	23° 1	26°22	19°54	16°39	27°15	6°42	11°33	12°45	29° 8	n.a.	T 9
F 10	10 56 35	16° 7'53	15°52	26°42	8°18	23°23	26°18	19°50	16°38	27°14	6°42	11°31	12°42	29°14	n.a.	F 10
S 11	11 0 32	17° 6'39	28°59	28°41	9°29	23°45	26°14	19°46	16°37	27°12	6°43	11°28	12°39	29°21	n.a.	S 11
S 12	11 4 28	18° 5'24	11♒51	0♈39	10°40	24° 7	26° 9	19°42	16°36	27°11	6°44	11°24	12°35	29°28	n.a.	S 12
M13	11 8 25	19° 4'06	24°31	2°34	11°52	24°30	26° 5	19°38	16°35	27° 9	6°45	11°20	12°32	29°34	n.a.	M13
T 14	11 12 21	20° 2'47	6♓58	4°27	13° 3	24°52	26° 0	19°34	16°34	27° 8	6°46	11°17	12°29	29°41	n.a.	T 14
W15	11 16 18	21° 1'25	19°13	6°17	14°14	25°16	25°55	19°31	16°33	27° 6	6°46	11°15	12°26	29°48	n.a.	W15
T 16	11 20 15	22° 0'02	1♈19	8° 3	15°25	25°39	25°50	19°27	16°32	27° 5	6°47	11°14	12°23	29°54	n.a.	T 16
F 17	11 24 11	22°58'36	13°16	9°46	16°36	26° 3	25°45	19°23	16°31	27° 3	6°48	11°D13	12°20	0♉ 1	n.a.	F 17
S 18	11 28 8	23°57'09	25° 7	11°25	17°48	26°27	25°39	19°20	16°30	27° 2	6°49	11°14	12°16	0° 8	n.a.	S 18
S 19	11 32 4	24°55'39	6♉55	13° 0	18°59	26°51	25°34	19°17	16°29	27° 1	6°49	11°15	12°13	0°14	n.a.	S 19
M20	11 36 1	25°54'07	18°43	14°31	20°10	27°16	25°28	19°13	16°28	26°59	6°50	11°16	12°10	0°21	n.a.	M20
T 21	11 39 57	26°52'33	0♊35	15°57	21°22	27°41	25°22	19°10	16°26	26°58	6°50	11°18	12° 7	0°28	n.a.	T 21
W22	11 43 54	27°50'57	12°35	17°19	22°33	28° 6	25°16	19° 7	16°25	26°56	6°51	11°19	12° 4	0°34	n.a.	W22
T 23	11 47 50	28°49'18	24°47	18°36	23°44	28°31	25°10	19° 4	16°24	26°55	6°52	11°R19	12° 1	0°41	n.a.	T 23
F 24	11 51 47	29°47'37	7♋17	19°48	24°56	28°57	25° 4	19° 1	16°22	26°54	6°52	11°19	11°57	0°47	n.a.	F 24
S 25	11 55 43	0♈45'55	20° 8	20°55	26° 7	29°23	24°58	18°58	16°21	26°52	6°53	11°19	11°54	0°54	n.a.	S 25
S 26	11 59 40	1°44'10	3♌24	21°57	27°19	29°49	24°51	18°55	16°19	26°51	6°53	11°18	11°51	1° 1	n.a.	S 26
M27	12 3 37	2°42'22	17° 6	22°54	28°31	0♋15	24°45	18°52	16°18	26°50	6°53	11°17	11°48	1° 7	n.a.	M27
T 28	12 7 33	3°40'33	1♍15	23°46	29°42	0°41	24°38	18°50	16°16	26°48	6°54	11°16	11°45	1°14	n.a.	T 28
W29	12 11 30	4°38'42	15°48	24°32	0♓54	1° 8	24°32	18°47	16°15	26°47	6°54	11°15	11°41	1°21	n.a.	W29
T 30	12 15 26	5°36'49	0♎39	25°13	2° 5	1°35	24°25	18°45	16°13	26°46	6°55	11°15	11°38	1°27	n.a.	T 30
F 31	12 19 23	6♈34'53	15♎42	25♈49	3♓17	2♋ 2	24♎18	18♌42	16♏11	26♌45	6♉55	11°D14	11♎35	1♉34	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	8s56	6n 6	2s55	9s40	1s10	20s51	0n 1	26n 6	2n45	9s 9	1n25	16n50	2n 7	16s47	0n16	13n43	1n19	27s54	4s21	4s38	5s16	9n43		n.a.
T 2	8 34	1 31	1 43	8 46	1 2	20 40	0s 2	26 6	2 44	9 7	1 25	16 52	2 7	16 47	0 16	13 44	1 19	27 54	4 21	4 36	5 14	9 45		n.a.
F 3	8 11	3s12	0 24	7 50	0 53	20 28	0 6	26 7	2 43	9 6	1 25	16 53	2 7	16 46	0 16	13 44	1 19	27 54	4 22	4 36	5 13	9 46		n.a.
S 4	7 49	7 43	0n56	6 54	0 44	20 16	0 9	26 7	2 42	9 5	1 25	16 55	2 7	16 46	0 16	13 45	1 19	27 54	4 22	4 36	5 12	9 48		n.a.
S 5	7 26	11 43	2 12	5 56	0 34	20 4	0 13	26 7	2 40	9 4	1 25	16 56	2 7	16 46	0 16	13 46	1 19	27 55	4 22	4 37	5 11	9 50		n.a.
M 6	7 4	14 57	3 19	4 58	0 24	19 50	0 16	26 7	2 39	9 2	1 25	16 57	2 7	16 46	0 16	13 46	1 19	27 55	4 22	4 37	5 9	9 51		n.a.
T 7	6 41	17 14	4 13	3 59	0 13	19 37	0 20	26 7	2 38	9 1	1 26	16 59	2 7	16 46	0 16	13 47	1 19	27 55	4 22	4 38	5 8	9 53		n.a.
W 8	6 18	18 26	4 50	3 0	0 3	19 22	0 23	26 7	2 37	8 59	1 26	17 0	2 7	16 46	0 16	13 47	1 19	27 55	4 23	4 38	5 7	9 54		n.a.
T 9	5 55	18 31	5 10	2 0	0n 9	19 8	0 26	26 7	2 36	8 58	1 26	17 1	2 7	16 45	0 16	13 48	1 19	27 55	4 23	4 37	5 6	9 56		n.a.
F 10	5 32	17 35	5 13	1 1	0 20	18 52	0 29	26 7	2 35	8 56	1 26	17 3	2 7	16 45	0 16	13 48	1 19	27 55	4 23	4 36	5 4	9 58		n.a.
S 11	5 9	15 43	5 0	0 3	0 32	18 36	0 33	26 7	2 33	8 54	1 26	17 4	2 7	16 45	0 16	13 49	1 19	27 55	4 23	4 35	5 3	9 59		n.a.
S 12	4 46	13 5	4 31	0n55	0 43	18 20	0 36	26 7	2 32	8 52	1 26	17 5	2 7	16 45	0 16	13 49	1 19	27 56	4 23	4 34	5 2	10 1		n.a.
M13	4 22	9 54	3 50	1 52	0 55	18 3	0 39	26 7	2 31	8 51	1 26	17 6	2 7	16 44	0 16	13 50	1 19	27 56	4 24	4 32	5 1	10 2		n.a.
T 14	3 59	6 18	2 58	2 48	1 6	17 46	0 42	26 7	2 30	8 49	1 26	17 7	2 7	16 44	0 16	13 50	1 19	27 56	4 24	4 31	4 59	10 4		n.a.
W15	3 36	2 30	1 59	3 42	1 17	17 28	0 44	26 7	2 29	8 47	1 27	17 8	2 7	16 44	0 16	13 51	1 19	27 56	4 24	4 30	4 58	10 5		n.a.
T 16	3 13	1n22	0 55	4 35	1 29	17 9	0 47	26 6	2 28	8 45	1 27	17 10	2 7	16 44	0 16	13 51	1 19	27 56	4 24	4 29	4 57	10 7		n.a.
F 17	2 49	5 7	0s11	5 26	1 39	16 50	0 50	26 6	2 27	8 43	1 27	17 11	2 7	16 43	0 16	13 52	1 19	27 56	4 24	4 29	4 56	10 9		n.a.
S 18	2 26	8 39	1 16	6 15	1 50	16 31	0 53	26 6	2 26	8 41	1 27	17 12	2 6	16 43	0 16	13 52	1 19	27 57	4 25	4 30	4 54	10 10		n.a.
S 19	2 2	11 49	2 18	7 1	1 59	16 11	0 55	26 5	2 25	8 39	1 27	17 13	2 6	16 43	0 16	13 53	1 19	27 57	4 25	4 30	4 53	10 12		n.a.
M20	1 39	14 30	3 13	7 46	2 9	15 51	0 58	26 5	2 23	8 37	1 27	17 14	2 6	16 42	0 16	13 53	1 19	27 57	4 25	4 31	4 52	10 13		n.a.
T 21	1 15	16 35	4 1	8 27	2 17	15 30	1 1	26 4	2 22	8 34	1 27	17 15	2 6	16 42	0 16	13 54	1 19	27 57	4 25	4 31	4 51	10 15		n.a.
W22	0 52	17 58	4 38	9 6	2 25	15 9	1 3	26 3	2 21	8 32	1 27	17 16	2 6	16 41	0 16	13 54	1 19	27 57	4 25	4 31	4 49	10 16		n.a.
T 23	0 28	18 33	5 4	9 43	2 32	14 47	1 5	26 3	2 20	8 30	1 27	17 16	2 6	16 41	0 16	13 55	1 19	27 57	4 26	4 32	4 48	10 18		n.a.
F 24	0 5	18 15	5 17	10 17	2 39	14 25	1 8	26 2	2 19	8 28	1 27	17 17	2 6	16 41	0 16	13 55	1 19	27 58	4 26	4 32	4 47	10 19		n.a.
S 25	0n18	17 1	5 14	10 47	2 44	14 3	1 10	26 1	2 18	8 25	1 27	17 18	2 6	16 40	0 16	13 56	1 19	27 58	4 26	4 31	4 46	10 21		n.a.
S 26	0 42	14 51	4 54	11 15	2 49	13 40	1 12	26 0	2 17	8 23	1 27	17 19	2 6	16 40	0 16	13 56	1 19	27 58	4 26	4 31	4 44	10 23		n.a.
M27	1 5	11 48	4 18	11 40	2 53	13 17	1 14	25 59	2 16	8 20	1 28	17 20	2 6	16 39	0 16	13 57	1 19	27 58	4 26	4 31	4 43	10 24		n.a.
T 28	1 29	7 58	3 24	12 2	2 56	12 54	1 16	25 58	2 15	8 18	1 28	17 20	2 6	16 39	0 16	13 57	1 19	27 58	4 27	4 30	4 42	10 26		n.a.
W29	1 52	3 34	2 17	12 21	2 57	12 30	1 18	25 57	2 14	8 15	1 28	17 21	2 5	16 38	0 16	13 57	1 19	27 59	4 27	4 30	4 41	10 27		n.a.
T 30	2 15	1s 9	0 59	12 37	2 58	12 6	1 20	25 56	2 13	8 13	1 28	17 22	2 5	16 38	0 16	13 58	1 19	27 59	4 27	4 30	4 39	10 29		n.a.
F 31	2n39	5s52	0n25	12n50	2n58	11s41	1s22	25n54	2n12	8s10	1n28	17n23	2n 5	16s37	0n16	13n58	1n19	27s59	4s27	4s30	4s38	10n30		n.a.

Julian Day Number = 1648067.5, Delta T = 03h32m35s
Ecliptic obliquity = 23°43'02, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'29, Lahiri = - 6°43'29 Julian Calendar 1 March 201 BCE == Greg. Calendar 26 Feb. 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

APRIL 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 23 19	7♈32'57	0♏47	26♈19	4♓29	2♋29	24°R11	18°R40	16°R10	26°R44	6♑55	11♎15	11♎32	1♉41	n.a.	S 1
S 2	12 27 16	8°30'58	15°46	26°44	5°40	2°57	24♎ 4	18♌38	16♏ 8	26♌42	6°55	11°15	11°29	1°47	n.a.	S 2
M 3	12 31 12	9°28'58	0♐31	27° 3	6°52	3°24	23°57	18°35	16° 6	26°41	6°56	11°15	11°26	1°54	n.a.	M 3
T 4	12 35 9	10°26'57	14°57	27°17	8° 4	3°52	23°50	18°33	16° 4	26°40	6°56	11°15	11°22	2° 1	n.a.	T 4
W 5	12 39 6	11°24'54	29° 1	27°26	9°16	4°20	23°42	18°31	16° 3	26°39	6°56	11°R15	11°19	2° 7	n.a.	W 5
T 6	12 43 2	12°22'50	12♑41	27°R29	10°28	4°48	23°35	18°30	16° 1	26°38	6°56	11°D15	11°16	2°14	n.a.	T 6
F 7	12 46 59	13°20'44	25°59	27°27	11°39	5°17	23°28	18°28	15°59	26°37	6°56	11°15	11°13	2°21	n.a.	F 7
S 8	12 50 55	14°18'38	8♒56	27°20	12°51	5°45	23°20	18°26	15°57	26°36	6°57	11°15	11°10	2°27	n.a.	S 8
S 9	12 54 52	15°16'29	21°35	27° 9	14° 3	6°14	23°13	18°25	15°55	26°35	6°57	11°16	11° 7	2°34	n.a.	S 9
M10	12 58 48	16°14'20	3♓59	26°53	15°15	6°43	23° 5	18°23	15°53	26°34	6°57	11°16	11° 3	2°41	n.a.	M10
T 11	13 2 45	17°12'08	16°10	26°33	16°27	7°12	22°58	18°22	15°51	26°33	6°R57	11°17	11° 0	2°47	n.a.	T 11
W12	13 6 41	18° 9'56	28°13	26°10	17°39	7°41	22°50	18°21	15°49	26°32	6°57	11°17	10°57	2°54	n.a.	W12
T 13	13 10 38	19° 7'42	10♈ 8	25°43	18°51	8°11	22°43	18°19	15°47	26°31	6°57	11°R18	10°54	3° 1	n.a.	T 13
F 14	13 14 34	20° 5'26	21°58	25°13	20° 3	8°40	22°35	18°18	15°44	26°31	6°57	11°17	10°51	3° 7	n.a.	F 14
S 15	13 18 31	21° 3'10	3♉47	24°41	21°15	9°10	22°27	18°17	15°42	26°30	6°56	11°17	10°47	3°14	n.a.	S 15
S 16	13 22 28	22° 0'51	15°35	24° 8	22°27	9°40	22°20	18°17	15°40	26°29	6°56	11°16	10°44	3°21	n.a.	S 16
M17	13 26 24	22°58'31	27°25	23°33	23°39	10°10	22°12	18°16	15°38	26°28	6°56	11°14	10°41	3°27	n.a.	M17
T 18	13 30 21	23°56'10	9♊20	22°58	24°51	10°40	22° 5	18°15	15°36	26°28	6°56	11°12	10°38	3°34	n.a.	T 18
W19	13 34 17	24°53'47	21°22	22°23	26° 3	11°11	21°57	18°15	15°33	26°27	6°56	11°10	10°35	3°40	n.a.	W19
T 20	13 38 14	25°51'23	3♋37	21°49	27°16	11°41	21°49	18°14	15°31	26°26	6°56	11° 9	10°32	3°47	n.a.	T 20
F 21	13 42 10	26°48'57	16° 6	21°16	28°28	12°12	21°42	18°14	15°29	26°25	6°55	11° 8	10°28	3°54	n.a.	F 21
S 22	13 46 7	27°46'29	28°53	20°45	29°40	12°42	21°34	18°13	15°27	26°25	6°55	11°D 8	10°25	4° 0	n.a.	S 22
S 23	13 50 3	28°44'00	12♌ 3	20°17	0♈52	13°13	21°27	18°13	15°24	26°24	6°55	11° 8	10°22	4° 7	n.a.	S 23
M24	13 54 0	29°41'29	25°37	19°51	2° 4	13°44	21°19	18°D13	15°22	26°24	6°54	11° 9	10°19	4°14	n.a.	M24
T 25	13 57 57	0♉38'57	9♍38	19°28	3°16	14°15	21°12	18°13	15°20	26°23	6°54	11°10	10°16	4°20	n.a.	T 25
W26	14 1 53	1°36'23	24° 4	19° 9	4°29	14°47	21° 4	18°14	15°17	26°23	6°54	11°11	10°12	4°27	n.a.	W26
T 27	14 5 50	2°33'48	8♎53	18°54	5°41	15°18	20°57	18°14	15°15	26°22	6°53	11°R12	10° 9	4°34	n.a.	T 27
F 28	14 9 46	3°31'12	23°58	18°43	6°53	15°50	20°49	18°14	15°12	26°22	6°53	11°12	10° 6	4°40	n.a.	F 28
S 29	14 13 43	4°28'35	9♏11	18°36	8° 5	16°21	20°42	18°15	15°10	26°21	6°52	11°10	10° 3	4°47	n.a.	S 29
S 30	14 17 39	5♉25'57	24♏23	18°D34	9♈18	16♋53	20♎35	18♌15	15♏ 8	26♌21	6♑52	11♎ 8	10♎ 0	4♉54	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	3n 2	10s13	1n47	13n 0	2n56	11s16	1s23	25n53	2n11	8s 8	1n28	17n23	2n 5	16s37	0n16	13n59	1n19	27s59	4s27	4s30	4s37	10n32		n.a.
S 2	3 25	13 52	3 1	13 6	2 53	10 51	1 25	25 51	2 10	8 5	1 28	17 24	2 5	16 36	0 16	13 59	1 19	27 59	4 28	4 30	4 35	10 33		n.a.
M 3	3 48	16 34	4 1	13 10	2 49	10 26	1 26	25 49	2 9	8 2	1 28	17 24	2 5	16 36	0 16	13 59	1 19	27 59	4 28	4 30	4 34	10 35		n.a.
T 4	4 11	18 8	4 45	13 10	2 44	10 0	1 28	25 48	2 8	8 0	1 28	17 25	2 5	16 35	0 16	14 0	1 18	28 0	4 28	4 30	4 33	10 36		n.a.
W 5	4 34	18 32	5 11	13 8	2 38	9 34	1 29	25 46	2 7	7 57	1 28	17 25	2 5	16 35	0 16	14 0	1 18	28 0	4 28	4 30	4 32	10 38		n.a.
T 6	4 57	17 50	5 18	13 2	2 30	9 8	1 31	25 44	2 6	7 54	1 28	17 26	2 5	16 34	0 16	14 0	1 18	28 0	4 28	4 30	4 30	10 39		n.a.
F 7	5 20	16 10	5 8	12 53	2 22	8 41	1 32	25 42	2 5	7 52	1 28	17 26	2 4	16 34	0 16	14 1	1 18	28 0	4 29	4 30	4 29	10 41		n.a.
S 8	5 42	13 42	4 42	12 41	2 12	8 14	1 33	25 40	2 4	7 49	1 28	17 27	2 4	16 33	0 16	14 1	1 18	28 0	4 29	4 30	4 28	10 42		n.a.
S 9	6 5	10 39	4 3	12 27	2 1	7 47	1 34	25 37	2 3	7 46	1 28	17 27	2 4	16 33	0 16	14 1	1 18	28 1	4 29	4 30	4 27	10 44		n.a.
M10	6 27	7 10	3 13	12 10	1 48	7 20	1 35	25 35	2 2	7 43	1 28	17 27	2 4	16 32	0 16	14 2	1 18	28 1	4 29	4 31	4 25	10 46		n.a.
T 11	6 50	3 27	2 15	11 50	1 35	6 53	1 36	25 32	2 1	7 41	1 28	17 28	2 4	16 31	0 16	14 2	1 18	28 1	4 30	4 31	4 24	10 47		n.a.
W12	7 12	0n23	1 12	11 28	1 21	6 25	1 37	25 30	2 0	7 38	1 28	17 28	2 4	16 31	0 16	14 2	1 18	28 1	4 30	4 31	4 23	10 49		n.a.
T 13	7 34	4 9	0 6	11 4	1 6	5 57	1 38	25 27	2 0	7 35	1 27	17 28	2 4	16 30	0 16	14 3	1 18	28 2	4 30	4 31	4 22	10 50		n.a.
F 14	7 56	7 45	0s59	10 39	0 50	5 29	1 38	25 24	1 59	7 32	1 27	17 28	2 4	16 30	0 16	14 3	1 18	28 2	4 30	4 31	4 20	10 52		n.a.
S 15	8 18	11 1	2 2	10 12	0 34	5 1	1 39	25 21	1 58	7 29	1 27	17 29	2 3	16 29	0 16	14 3	1 18	28 2	4 30	4 31	4 19	10 53		n.a.
S 16	8 40	13 50	2 59	9 44	0 17	4 33	1 39	25 18	1 57	7 27	1 27	17 29	2 3	16 28	0 16	14 3	1 18	28 2	4 31	4 30	4 18	10 55		n.a.
M17	9 2	16 6	3 49	9 15	0 0	4 4	1 40	25 15	1 56	7 24	1 27	17 29	2 3	16 28	0 16	14 4	1 18	28 2	4 31	4 30	4 17	10 56		n.a.
T 18	9 24	17 40	4 29	8 46	0s17	3 36	1 40	25 12	1 55	7 21	1 27	17 29	2 3	16 27	0 16	14 4	1 18	28 3	4 31	4 29	4 15	10 58		n.a.
W19	9 45	18 29	4 58	8 17	0 34	3 7	1 41	25 8	1 54	7 18	1 27	17 29	2 3	16 26	0 16	14 4	1 18	28 3	4 31	4 28	4 14	10 59		n.a.
T 20	10 6	18 26	5 14	7 48	0 51	2 38	1 41	25 5	1 53	7 15	1 27	17 29	2 3	16 26	0 16	14 4	1 18	28 3	4 31	4 28	4 13	11 1		n.a.
F 21	10 27	17 31	5 15	7 21	1 8	2 9	1 41	25 1	1 52	7 13	1 27	17 29	2 3	16 25	0 16	14 4	1 18	28 3	4 32	4 27	4 12	11 2		n.a.
S 22	10 48	15 42	5 2	6 54	1 24	1 41	1 41	24 57	1 51	7 10	1 27	17 29	2 2	16 24	0 16	14 5	1 18	28 3	4 32	4 27	4 10	11 4		n.a.
S 23	11 9	13 2	4 32	6 29	1 40	1 11	1 41	24 53	1 51	7 7	1 27	17 29	2 2	16 24	0 16	14 5	1 18	28 4	4 32	4 27	4 9	11 5		n.a.
M24	11 30	9 35	3 46	6 5	1 54	0 42	1 41	24 49	1 50	7 4	1 26	17 29	2 2	16 23	0 16	14 5	1 18	28 4	4 32	4 28	4 8	11 7		n.a.
T 25	11 50	5 30	2 46	5 44	2 8	0 13	1 41	24 45	1 49	7 2	1 26	17 29	2 2	16 22	0 16	14 5	1 18	28 4	4 32	4 28	4 7	11 8		n.a.
W26	12 10	0 58	1 33	5 24	2 22	0n16	1 40	24 40	1 48	6 59	1 26	17 28	2 2	16 22	0 16	14 5	1 18	28 4	4 33	4 29	4 5	11 10		n.a.
T 27	12 30	3s45	0 13	5 7	2 34	0 45	1 40	24 36	1 47	6 56	1 26	17 28	2 2	16 21	0 16	14 5	1 18	28 5	4 33	4 29	4 4	11 11		n.a.
F 28	12 50	8 19	1n10	4 53	2 45	1 14	1 40	24 31	1 46	6 54	1 26	17 28	2 2	16 20	0 16	14 6	1 18	28 5	4 33	4 29	4 3	11 13		n.a.
S 29	13 10	12 23	2 28	4 41	2 55	1 44	1 39	24 27	1 45	6 51	1 26	17 28	2 1	16 20	0 16	14 6	1 18	28 5	4 33	4 28	4 1	11 14		n.a.
S 30	13n29	15s36	3n36	4n32	3s 4	2n13	1s39	24n22	1n45	6s49	1n26	17n27	2n 1	16s19	0n16	14n 6	1n18	28s 5	4s33	4s27	4s 0	11n16		n.a.

Julian Day Number = 1648098.5, Delta T = 03h32m34s
Ecliptic obliquity = 23°43'02, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'25, Lahiri = - 6°43'24 Julian Calendar 1 Apr. 201 BCE == Greg. Calendar 29 March 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

MAY 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 21 36	6♉23'17	9♐24	18♈36	10♈30	17♋25	20°R28	18♌16	15°R 5	26°R21	6°R51	11°R 4	9♎57	5♉ 0	n.a.	M 1
T 2	14 25 32	7°20'37	24° 5	18°43	11°42	17°57	20♎21	18°17	15♏ 3	26♌20	6♑51	11♎ 1	9°53	5° 7	n.a.	T 2
W 3	14 29 29	8°17'57	8♑21	18°54	12°55	18°29	20°14	18°17	15° 0	26°20	6°50	10°58	9°50	5°14	n.a.	W 3
T 4	14 33 26	9°15'15	22° 9	19° 9	14° 7	19° 1	20° 7	18°18	14°58	26°20	6°50	10°56	9°47	5°20	n.a.	T 4
F 5	14 37 22	10°12'33	5♒30	19°29	15°20	19°34	20° 0	18°20	14°55	26°20	6°49	10°D55	9°44	5°27	n.a.	F 5
S 6	14 41 19	11° 9'51	18°26	19°54	16°32	20° 6	19°53	18°21	14°53	26°19	6°48	10°55	9°41	5°34	n.a.	S 6
S 7	14 45 15	12° 7'08	0♓59	20°22	17°45	20°39	19°47	18°22	14°51	26°19	6°48	10°56	9°38	5°40	n.a.	S 7
M 8	14 49 12	13° 4'24	13°16	20°55	18°57	21°11	19°40	18°23	14°48	26°19	6°47	10°57	9°34	5°47	n.a.	M 8
T 9	14 53 8	14° 1'39	25°19	21°32	20°10	21°44	19°34	18°25	14°46	26°19	6°46	10°59	9°31	5°54	n.a.	T 9
W10	14 57 5	14°58'54	7♈13	22°14	21°22	22°17	19°28	18°26	14°43	26°19	6°46	11°R 0	9°28	6° 0	n.a.	W10
T 11	15 1 1	15°56'09	19° 3	22°59	22°35	22°50	19°21	18°28	14°41	26°D19	6°45	11° 0	9°25	6° 7	n.a.	T 11
F 12	15 4 58	16°53'23	0♉50	23°48	23°47	23°23	19°15	18°30	14°38	26°19	6°44	10°58	9°22	6°14	n.a.	F 12
S 13	15 8 55	17°50'36	12°38	24°41	25° 0	23°56	19° 9	18°32	14°36	26°19	6°43	10°54	9°18	6°20	n.a.	S 13
S 14	15 12 51	18°47'49	24°29	25°37	26°12	24°30	19° 3	18°34	14°33	26°19	6°43	10°49	9°15	6°27	n.a.	S 14
M15	15 16 48	19°45'02	6♊24	26°37	27°25	25° 3	18°58	18°36	14°31	26°19	6°42	10°43	9°12	6°34	n.a.	M15
T 16	15 20 44	20°42'13	18°27	27°41	28°38	25°37	18°52	18°38	14°28	26°19	6°41	10°35	9° 9	6°40	n.a.	T 16
W17	15 24 41	21°39'24	0♋38	28°49	29°50	26°10	18°47	18°40	14°26	26°20	6°40	10°28	9° 6	6°47	n.a.	W17
T 18	15 28 37	22°36'35	12°59	29°59	1♉ 3	26°44	18°41	18°42	14°23	26°20	6°39	10°22	9° 3	6°54	n.a.	T 18
F 19	15 32 34	23°33'45	25°33	1♉14	2°16	27°18	18°36	18°45	14°21	26°20	6°38	10°17	8°59	7° 0	n.a.	F 19
S 20	15 36 30	24°30'54	8♌22	2°31	3°29	27°52	18°31	18°47	14°19	26°20	6°37	10°14	8°56	7° 7	n.a.	S 20
S 21	15 40 27	25°28'02	21°29	3°52	4°41	28°26	18°26	18°50	14°16	26°21	6°36	10°D13	8°53	7°14	n.a.	S 21
M22	15 44 24	26°25'10	4♍56	5°16	5°54	29° 0	18°22	18°53	14°14	26°21	6°35	10°13	8°50	7°20	n.a.	M22
T 23	15 48 20	27°22'17	18°46	6°44	7° 7	29°34	18°17	18°56	14°11	26°21	6°34	10°14	8°47	7°27	n.a.	T 23
W24	15 52 17	28°19'23	2♎59	8°15	8°20	0♌ 8	18°13	18°58	14° 9	26°22	6°33	10°R15	8°43	7°34	n.a.	W24
T 25	15 56 13	29°16'29	17°35	9°48	9°32	0°43	18° 8	19° 1	14° 7	26°22	6°32	10°15	8°40	7°40	n.a.	T 25
F 26	16 0 10	0♊13'35	2♏29	11°26	10°45	1°17	18° 4	19° 5	14° 4	26°23	6°31	10°13	8°37	7°47	n.a.	F 26
S 27	16 4 6	1°10'40	17°35	13° 6	11°58	1°52	18° 0	19° 8	14° 2	26°23	6°30	10° 9	8°34	7°54	n.a.	S 27
S 28	16 8 3	2° 7'45	2♐44	14°49	13°11	2°26	17°57	19°11	14° 0	26°24	6°29	10° 3	8°31	8° 0	n.a.	S 28
M29	16 12 0	3° 4'50	17°47	16°35	14°24	3° 1	17°53	19°14	13°57	26°24	6°28	9°56	8°28	8° 7	n.a.	M29
T 30	16 15 56	4° 1'55	2♑33	18°24	15°37	3°36	17°50	19°18	13°55	26°25	6°27	9°48	8°24	8°14	n.a.	T 30
W31	16 19 53	4♊59'00	16♑56	20♉16	16♉50	4♌11	17♎46	19♌21	13♏53	26♌25	6♑26	9♎40	8♎21	8♉20	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	13n48	17s42	4n28	4n25	3s12	2n42	1s38	24n17	1n44	6s46	1n25	17n27	2n 1	16s18	0n16	14n 6	1n18	28s 5	4s34	4s26	3s59	11n17			n.a.
T 2	14 7	18 34	5 1	4 21	3 19	3 11	1 38	24 12	1 43	6 43	1 25	17 27	2 1	16 17	0 16	14 6	1 18	28 6	4 34	4 25	3 58	11 19			n.a.
W 3	14 26	18 14	5 14	4 20	3 24	3 40	1 37	24 7	1 42	6 41	1 25	17 26	2 1	16 17	0 15	14 6	1 18	28 6	4 34	4 23	3 56	11 20			n.a.
T 4	14 45	16 48	5 8	4 22	3 29	4 9	1 36	24 1	1 41	6 38	1 25	17 26	2 1	16 16	0 15	14 6	1 18	28 6	4 34	4 22	3 55	11 21			n.a.
F 5	15 3	14 30	4 46	4 26	3 33	4 39	1 35	23 56	1 40	6 36	1 25	17 25	2 1	16 15	0 15	14 6	1 18	28 6	4 34	4 22	3 54	11 23			n.a.
S 6	15 21	11 32	4 10	4 33	3 36	5 7	1 34	23 50	1 40	6 34	1 25	17 25	2 0	16 15	0 15	14 6	1 18	28 7	4 35	4 22	3 53	11 24			n.a.
S 7	15 39	8 6	3 22	4 42	3 37	5 36	1 33	23 44	1 39	6 31	1 24	17 24	2 0	16 14	0 15	14 6	1 18	28 7	4 35	4 22	3 51	11 26			n.a.
M 8	15 57	4 24	2 26	4 54	3 38	6 5	1 32	23 38	1 38	6 29	1 24	17 24	2 0	16 13	0 15	14 6	1 18	28 7	4 35	4 23	3 50	11 27			n.a.
T 9	16 14	0 35	1 25	5 8	3 38	6 34	1 31	23 32	1 37	6 27	1 24	17 23	2 0	16 12	0 15	14 6	1 18	28 7	4 35	4 24	3 49	11 29			n.a.
W10	16 31	3n13	0 21	5 24	3 37	7 2	1 30	23 26	1 36	6 25	1 24	17 22	2 0	16 12	0 15	14 6	1 17	28 7	4 35	4 24	3 48	11 30			n.a.
T 11	16 48	6 52	0s44	5 43	3 35	7 31	1 29	23 20	1 35	6 22	1 24	17 22	2 0	16 11	0 15	14 6	1 17	28 8	4 35	4 24	3 46	11 32			n.a.
F 12	17 5	10 14	1 46	6 4	3 32	7 59	1 27	23 13	1 35	6 20	1 23	17 21	1 59	16 10	0 15	14 6	1 17	28 8	4 36	4 23	3 45	11 33			n.a.
S 13	17 21	13 12	2 44	6 26	3 28	8 27	1 26	23 6	1 34	6 18	1 23	17 20	1 59	16 10	0 15	14 6	1 17	28 8	4 36	4 22	3 44	11 35			n.a.
S 14	17 37	15 38	3 35	6 51	3 24	8 55	1 25	23 0	1 33	6 16	1 23	17 19	1 59	16 9	0 15	14 6	1 17	28 8	4 36	4 20	3 43	11 36			n.a.
M15	17 53	17 25	4 16	7 18	3 19	9 23	1 23	22 53	1 32	6 14	1 23	17 19	1 59	16 8	0 15	14 6	1 17	28 9	4 36	4 17	3 41	11 38			n.a.
T 16	18 8	18 27	4 47	7 46	3 13	9 50	1 22	22 46	1 31	6 12	1 23	17 18	1 59	16 7	0 15	14 6	1 17	28 9	4 36	4 14	3 40	11 39			n.a.
W17	18 23	18 38	5 5	8 16	3 7	10 18	1 20	22 39	1 31	6 10	1 22	17 17	1 59	16 7	0 15	14 6	1 17	28 9	4 37	4 12	3 39	11 40			n.a.
T 18	18 38	17 57	5 9	8 48	3 0	10 45	1 19	22 31	1 30	6 9	1 22	17 16	1 59	16 6	0 15	14 6	1 17	28 9	4 37	4 9	3 37	11 42			n.a.
F 19	18 53	16 23	4 59	9 21	2 52	11 12	1 17	22 24	1 29	6 7	1 22	17 15	1 58	16 5	0 15	14 5	1 17	28 9	4 37	4 7	3 36	11 43			n.a.
S 20	19 7	13 59	4 33	9 55	2 44	11 38	1 15	22 16	1 28	6 5	1 22	17 14	1 58	16 4	0 15	14 5	1 17	28 10	4 37	4 6	3 35	11 45			n.a.
S 21	19 21	10 50	3 53	10 31	2 36	12 5	1 13	22 8	1 27	6 4	1 21	17 13	1 58	16 4	0 15	14 5	1 17	28 10	4 37	4 5	3 34	11 46			n.a.
M22	19 35	7 2	2 59	11 8	2 26	12 31	1 12	22 1	1 27	6 2	1 21	17 12	1 58	16 3	0 15	14 5	1 17	28 10	4 37	4 5	3 32	11 48			n.a.
T 23	19 48	2 45	1 54	11 46	2 17	12 57	1 10	21 53	1 26	6 0	1 21	17 11	1 58	16 2	0 15	14 5	1 17	28 10	4 38	4 6	3 31	11 49			n.a.
W24	20 1	1s48	0 39	12 25	2 7	13 22	1 8	21 44	1 25	5 59	1 21	17 10	1 58	16 2	0 15	14 5	1 17	28 11	4 38	4 6	3 30	11 51			n.a.
T 25	20 14	6 22	0n40	13 5	1 56	13 48	1 6	21 36	1 24	5 58	1 20	17 9	1 58	16 1	0 15	14 5	1 17	28 11	4 38	4 6	3 29	11 52			n.a.
F 26	20 26	10 39	1 57	13 46	1 46	14 13	1 4	21 28	1 24	5 56	1 20	17 8	1 57	16 0	0 15	14 4	1 17	28 11	4 38	4 5	3 27	11 53			n.a.
S 27	20 38	14 17	3 7	14 27	1 35	14 37	1 2	21 19	1 23	5 55	1 20	17 7	1 57	16 0	0 15	14 4	1 17	28 11	4 38	4 4	3 26	11 55			n.a.
S 28	20 50	16 57	4 4	15 9	1 23	15 2	1 0	21 10	1 22	5 54	1 19	17 6	1 57	15 59	0 15	14 4	1 17	28 11	4 38	4 2	3 25	11 56			n.a.
M29	21 1	18 26	4 44	15 51	1 12	15 25	0 58	21 2	1 21	5 53	1 19	17 5	1 57	15 58	0 15	14 4	1 17	28 12	4 39	3 59	3 24	11 58			n.a.
T 30	21 12	18 38	5 4	16 33	1 0	15 49	0 56	20 53	1 20	5 52	1 19	17 3	1 57	15 58	0 15	14 3	1 17	28 12	4 39	3 55	3 22	11 59			n.a.
W31	21n23	17s36	5n 4	17n14	0s49	16n12	0s54	20n44	1n20	5s51	1n19	17n 2	1n57	15s57	0n15	14n 3	1n17	28s12	4s39	3s52	3s21	12n 1			n.a.

Julian Day Number = 1648128.5, Delta T = 03h32m33s
Ecliptic obliquity = 23°43'01, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'21, Lahiri = - 6°43'20 Julian Calendar 1 May 201 BCE == Greg. Calendar 28 Apr. 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

JUNE 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 23 49	5♊56'05	0♒52	22♉11	18♉ 3	4♌46	17°R43	19♌25	13°R51	26♌26	6°R24	9°R34	8♎18	8♉27	n.a.	T 1
F 2	16 27 46	6°53'11	14°18	24° 8	19°16	5°21	17♎40	19°29	13♏48	26°27	6♑23	9♎29	8°15	8°34	n.a.	F 2
S 3	16 31 42	7°50'17	27°16	26° 8	20°29	5°56	17°38	19°32	13°46	26°27	6°22	9°27	8°12	8°40	n.a.	S 3
S 4	16 35 39	8°47'23	9♓51	28° 9	21°42	6°31	17°35	19°36	13°44	26°28	6°21	9°D26	8° 9	8°47	n.a.	S 4
M 5	16 39 35	9°44'29	22° 6	0♊13	22°55	7° 6	17°33	19°40	13°42	26°29	6°20	9°27	8° 5	8°54	n.a.	M 5
T 6	16 43 32	10°41'36	4♈ 7	2°18	24° 8	7°42	17°30	19°44	13°40	26°30	6°19	9°R28	8° 2	9° 0	n.a.	T 6
W 7	16 47 29	11°38'43	15°58	4°25	25°21	8°17	17°28	19°48	13°38	26°31	6°17	9°27	7°59	9° 7	n.a.	W 7
T 8	16 51 25	12°35'51	27°46	6°32	26°34	8°53	17°26	19°52	13°36	26°31	6°16	9°26	7°56	9°14	n.a.	T 8
F 9	16 55 22	13°32'59	9♉33	8°41	27°48	9°28	17°25	19°57	13°34	26°32	6°15	9°22	7°53	9°20	n.a.	F 9
S 10	16 59 18	14°30'08	21°24	10°50	29° 1	10° 4	17°23	20° 1	13°32	26°33	6°14	9°15	7°49	9°27	n.a.	S 10
S 11	17 3 15	15°27'17	3♊21	12°59	0♊14	10°40	17°22	20° 5	13°30	26°34	6°12	9° 6	7°46	9°34	n.a.	S 11
M12	17 7 11	16°24'27	15°26	15° 8	1°27	11°16	17°21	20°10	13°28	26°35	6°11	8°55	7°43	9°40	n.a.	M12
T 13	17 11 8	17°21'37	27°40	17°17	2°41	11°52	17°20	20°14	13°26	26°36	6°10	8°43	7°40	9°47	n.a.	T 13
W14	17 15 4	18°18'47	10♋ 4	19°26	3°54	12°28	17°19	20°19	13°24	26°37	6° 8	8°31	7°37	9°54	n.a.	W14
T 15	17 19 1	19°15'58	22°38	21°33	5° 7	13° 4	17°18	20°24	13°22	26°38	6° 7	8°20	7°34	10° 0	n.a.	T 15
F 16	17 22 58	20°13'09	5♌25	23°40	6°21	13°40	17°18	20°29	13°20	26°39	6° 6	8°11	7°30	10° 7	n.a.	F 16
S 17	17 26 54	21°10'20	18°23	25°46	7°34	14°16	17°18	20°33	13°19	26°41	6° 4	8° 5	7°27	10°14	n.a.	S 17
S 18	17 30 51	22° 7'32	1♍35	27°50	8°47	14°53	17°D18	20°38	13°17	26°42	6° 3	8° 1	7°24	10°20	n.a.	S 18
M19	17 34 47	23° 4'44	15° 3	29°53	10° 1	15°29	17°18	20°43	13°15	26°43	6° 2	8° 0	7°21	10°27	n.a.	M19
T 20	17 38 44	24° 1'56	28°47	1♋54	11°14	16° 5	17°18	20°48	13°13	26°44	6° 0	8°D 0	7°18	10°34	n.a.	T 20
W21	17 42 40	24°59'09	12♎49	3°54	12°28	16°42	17°19	20°54	13°12	26°45	5°59	8°R 0	7°15	10°40	n.a.	W21
T 22	17 46 37	25°56'22	27° 9	5°52	13°41	17°19	17°19	20°59	13°10	26°47	5°58	7°59	7°11	10°47	n.a.	T 22
F 23	17 50 33	26°53'35	11♏45	7°49	14°55	17°55	17°20	21° 4	13° 9	26°48	5°56	7°55	7° 8	10°54	n.a.	F 23
S 24	17 54 30	27°50'49	26°32	9°44	16° 8	18°32	17°21	21° 9	13° 7	26°49	5°55	7°50	7° 5	11° 0	n.a.	S 24
S 25	17 58 27	28°48'04	11♐25	11°37	17°22	19° 9	17°22	21°15	13° 6	26°51	5°53	7°41	7° 2	11° 7	n.a.	S 25
M26	18 2 23	29°45'19	26°14	13°29	18°36	19°46	17°24	21°20	13° 4	26°52	5°52	7°31	6°59	11°14	n.a.	M26
T 27	18 6 20	0♋42'35	10♑52	15°19	19°49	20°23	17°25	21°26	13° 3	26°53	5°51	7°20	6°55	11°20	n.a.	T 27
W28	18 10 16	1°39'53	25°10	17° 7	21° 3	21° 0	17°27	21°31	13° 1	26°55	5°49	7° 9	6°52	11°27	n.a.	W28
T 29	18 14 13	2°37'11	9♒ 4	18°53	22°17	21°37	17°29	21°37	13° 0	26°56	5°48	7° 0	6°49	11°34	n.a.	T 29
F 30	18 18 9	3♋34'30	22♒31	20♋38	23♊30	22♌14	17♎31	21♌43	12♏59	26♌58	5♑46	6♎53	6♎46	11♉40	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n33	15s33	4n46	17n56	0s37	16n35	0s51	20n34	1n19	5s50	1n18	17n 1	1n57	15s56	0n15	14n 3	1n17	28s12	4s39	3s50	3s20	12n 2		n.a.
F 2	21 43	12 43	4 12	18 37	0 25	16 57	0 49	20 25	1 18	5 49	1 18	16 59	1 57	15 56	0 15	14 3	1 17	28 12	4 39	3 48	3 18	12 3		n.a.
S 3	21 52	9 20	3 26	19 17	0 14	17 19	0 47	20 15	1 17	5 48	1 18	16 58	1 56	15 55	0 15	14 2	1 17	28 13	4 39	3 47	3 17	12 5		n.a.
S 4	22 1	5 37	2 32	19 57	0 2	17 41	0 45	20 6	1 17	5 47	1 18	16 57	1 56	15 54	0 15	14 2	1 17	28 13	4 39	3 47	3 16	12 6		n.a.
M 5	22 10	1 46	1 32	20 34	0n 9	18 2	0 42	19 56	1 16	5 47	1 17	16 55	1 56	15 54	0 15	14 2	1 17	28 13	4 40	3 47	3 15	12 8		n.a.
T 6	22 19	2n 5	0 29	21 11	0 20	18 23	0 40	19 46	1 15	5 46	1 17	16 54	1 56	15 53	0 15	14 2	1 17	28 13	4 40	3 47	3 13	12 9		n.a.
W 7	22 27	5 49	0s35	21 46	0 30	18 43	0 38	19 36	1 14	5 45	1 17	16 53	1 56	15 52	0 15	14 1	1 17	28 14	4 40	3 47	3 12	12 11		n.a.
T 8	22 34	9 18	1 36	22 18	0 40	19 3	0 35	19 26	1 14	5 45	1 16	16 51	1 56	15 52	0 15	14 1	1 17	28 14	4 40	3 47	3 11	12 12		n.a.
F 9	22 41	12 25	2 33	22 49	0 49	19 22	0 33	19 16	1 13	5 45	1 16	16 50	1 56	15 51	0 15	14 1	1 16	28 14	4 40	3 45	3 10	12 13		n.a.
S 10	22 48	15 2	3 24	23 17	0 58	19 40	0 31	19 5	1 12	5 44	1 16	16 48	1 56	15 51	0 15	14 0	1 16	28 14	4 40	3 42	3 8	12 15		n.a.
S 11	22 55	17 2	4 6	23 43	1 6	19 59	0 28	18 55	1 11	5 44	1 16	16 47	1 55	15 50	0 15	14 0	1 16	28 14	4 40	3 39	3 7	12 16		n.a.
M12	23 1	18 19	4 38	24 6	1 14	20 16	0 26	18 44	1 11	5 44	1 15	16 45	1 55	15 49	0 15	13 59	1 16	28 14	4 41	3 35	3 6	12 18		n.a.
T 13	23 6	18 45	4 57	24 27	1 21	20 33	0 23	18 33	1 10	5 44	1 15	16 43	1 55	15 49	0 15	13 59	1 16	28 15	4 41	3 30	3 5	12 19		n.a.
W14	23 12	18 19	5 2	24 44	1 27	20 50	0 21	18 22	1 9	5 44	1 15	16 42	1 55	15 48	0 15	13 59	1 16	28 15	4 41	3 25	3 3	12 20		n.a.
T 15	23 17	16 59	4 53	24 59	1 33	21 6	0 18	18 11	1 8	5 44	1 14	16 40	1 55	15 48	0 15	13 58	1 16	28 15	4 41	3 21	3 2	12 22		n.a.
F 16	23 21	14 47	4 29	25 11	1 38	21 21	0 16	18 0	1 8	5 44	1 14	16 39	1 55	15 47	0 15	13 58	1 16	28 15	4 41	3 17	3 1	12 23		n.a.
S 17	23 25	11 50	3 51	25 20	1 42	21 36	0 14	17 48	1 7	5 44	1 14	16 37	1 55	15 47	0 15	13 57	1 16	28 15	4 41	3 14	2 59	12 24		n.a.
S 18	23 29	8 14	3 0	25 27	1 45	21 50	0 11	17 37	1 6	5 44	1 13	16 35	1 55	15 46	0 15	13 57	1 16	28 16	4 41	3 13	2 58	12 26		n.a.
M19	23 32	4 8	1 59	25 31	1 48	22 4	0 9	17 25	1 5	5 45	1 13	16 33	1 55	15 46	0 15	13 57	1 16	28 16	4 41	3 12	2 57	12 27		n.a.
T 20	23 35	0s15	0 49	25 32	1 49	22 17	0 6	17 14	1 5	5 45	1 13	16 32	1 54	15 45	0 15	13 56	1 16	28 16	4 42	3 12	2 56	12 29		n.a.
W21	23 37	4 44	0n26	25 30	1 51	22 29	0 4	17 2	1 4	5 45	1 13	16 30	1 54	15 45	0 15	13 56	1 16	28 16	4 42	3 12	2 54	12 30		n.a.
T 22	23 39	9 2	1 40	25 26	1 51	22 41	0 1	16 50	1 3	5 46	1 12	16 28	1 54	15 44	0 15	13 55	1 16	28 16	4 42	3 12	2 53	12 31		n.a.
F 23	23 41	12 52	2 49	25 20	1 51	22 52	0n 1	16 38	1 3	5 47	1 12	16 26	1 54	15 44	0 15	13 55	1 16	28 16	4 42	3 11	2 52	12 33		n.a.
S 24	23 42	15 56	3 47	25 12	1 51	23 3	0 4	16 25	1 2	5 47	1 12	16 25	1 54	15 43	0 15	13 54	1 16	28 17	4 42	3 8	2 51	12 34		n.a.
S 25	23 43	17 57	4 30	25 1	1 49	23 13	0 6	16 13	1 1	5 48	1 11	16 23	1 54	15 43	0 15	13 54	1 16	28 17	4 42	3 5	2 49	12 36		n.a.
M26	23 43	18 45	4 55	24 48	1 48	23 22	0 9	16 1	1 0	5 49	1 11	16 21	1 54	15 43	0 15	13 53	1 16	28 17	4 42	3 1	2 48	12 37		n.a.
T 27	23 43	18 17	5 0	24 34	1 45	23 30	0 11	15 48	1 0	5 50	1 11	16 19	1 54	15 42	0 15	13 53	1 16	28 17	4 42	2 57	2 47	12 38		n.a.
W28	23 42	16 39	4 46	24 18	1 42	23 38	0 13	15 35	0 59	5 51	1 11	16 17	1 54	15 42	0 15	13 52	1 16	28 17	4 42	2 52	2 46	12 40		n.a.
T 29	23 41	14 5	4 16	24 0	1 39	23 45	0 16	15 23	0 58	5 52	1 10	16 15	1 54	15 41	0 15	13 52	1 16	28 17	4 42	2 49	2 44	12 41		n.a.
F 30	23n40	10s50	3n31	23n40	1n35	23n51	0n18	15n10	0n57	5s53	1n10	16n13	1n54	15s41	0n15	13n51	1n16	28s18	4s43	2s46	2s43	12n42		n.a.

Julian Day Number = 1648159.5, Delta T = 03h32m32s
Ecliptic obliquity = 23°43'01, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'17, Lahiri = - 6°43'16 Julian Calendar 1 June 201 BCE == Greg. Calendar 29 May 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

JULY 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 22 6	4♋31'50	5♓32	22♋21	24♊44	22♌52	17♎34	21♌48	12°R58	26♌59	5°R45	6°R48	6♎43	11♉47	n.a.	S 1
S 2	18 26 3	5°29'12	18° 8	24° 3	25°58	23°29	17°36	21°54	12♏56	27° 1	5♑44	6♎46	6°40	11°54	n.a.	S 2
M 3	18 29 59	6°26'35	0♈25	25°43	27°12	24° 7	17°39	22° 0	12°55	27° 2	5°42	6°46	6°36	12° 0	n.a.	M 3
T 4	18 33 56	7°23'59	12°27	27°21	28°25	24°44	17°41	22° 6	12°54	27° 4	5°41	6°45	6°33	12° 7	n.a.	T 4
W 5	18 37 52	8°21'24	24°19	28°58	29°39	25°22	17°44	22°12	12°53	27° 5	5°40	6°45	6°30	12°14	n.a.	W 5
T 6	18 41 49	9°18'51	6♉ 8	0♌33	0♋53	25°59	17°48	22°18	12°52	27° 7	5°38	6°43	6°27	12°20	n.a.	T 6
F 7	18 45 45	10°16'20	17°57	2° 6	2° 7	26°37	17°51	22°24	12°51	27° 9	5°37	6°38	6°24	12°27	n.a.	F 7
S 8	18 49 42	11°13'49	29°52	3°37	3°21	27°15	17°54	22°30	12°50	27°10	5°35	6°31	6°21	12°34	n.a.	S 8
S 9	18 53 38	12°11'21	11♊56	5° 7	4°35	27°53	17°58	22°36	12°49	27°12	5°34	6°22	6°17	12°40	n.a.	S 9
M10	18 57 35	13° 8'53	24°10	6°36	5°49	28°31	18° 2	22°43	12°49	27°14	5°33	6°10	6°14	12°47	n.a.	M10
T 11	19 1 32	14° 6'27	6♋38	8° 2	7° 3	29° 9	18° 6	22°49	12°48	27°15	5°31	5°57	6°11	12°54	n.a.	T 11
W12	19 5 28	15° 4'02	19°18	9°27	8°17	29°47	18°10	22°55	12°47	27°17	5°30	5°44	6° 8	13° 0	n.a.	W12
T 13	19 9 25	16° 1'39	2♌12	10°50	9°31	0♍25	18°14	23° 2	12°46	27°19	5°28	5°32	6° 5	13° 7	n.a.	T 13
F 14	19 13 21	16°59'17	15°17	12°12	10°45	1° 3	18°19	23° 8	12°46	27°21	5°27	5°22	6° 1	13°14	n.a.	F 14
S 15	19 17 18	17°56'56	28°34	13°31	11°59	1°41	18°23	23°14	12°45	27°23	5°26	5°15	5°58	13°20	n.a.	S 15
S 16	19 21 14	18°54'36	12♍ 1	14°49	13°14	2°20	18°28	23°21	12°45	27°24	5°24	5°11	5°55	13°27	n.a.	S 16
M17	19 25 11	19°52'17	25°39	16° 5	14°28	2°58	18°33	23°27	12°44	27°26	5°23	5° 9	5°52	13°34	n.a.	M17
T 18	19 29 7	20°49'59	9♎27	17°19	15°42	3°37	18°38	23°34	12°44	27°28	5°22	5°D 9	5°49	13°40	n.a.	T 18
W19	19 33 4	21°47'43	23°26	18°30	16°56	4°15	18°44	23°41	12°43	27°30	5°20	5°R 9	5°46	13°47	n.a.	W19
T 20	19 37 0	22°45'28	7♏35	19°40	18°10	4°54	18°49	23°47	12°43	27°32	5°19	5° 9	5°42	13°54	n.a.	T 20
F 21	19 40 57	23°43'14	21°54	20°48	19°25	5°33	18°55	23°54	12°43	27°34	5°18	5° 6	5°39	14° 0	n.a.	F 21
S 22	19 44 54	24°41'01	6♐20	21°53	20°39	6°11	19° 0	24° 1	12°43	27°36	5°16	5° 1	5°36	14° 7	n.a.	S 22
S 23	19 48 50	25°38'50	20°48	22°55	21°53	6°50	19° 6	24° 8	12°42	27°38	5°15	4°53	5°33	14°14	n.a.	S 23
M24	19 52 47	26°36'40	5♑13	23°56	23° 7	7°29	19°12	24°14	12°42	27°40	5°14	4°44	5°30	14°20	n.a.	M24
T 25	19 56 43	27°34'32	19°30	24°53	24°22	8° 8	19°19	24°21	12°42	27°42	5°13	4°33	5°27	14°27	n.a.	T 25
W26	20 0 40	28°32'25	3♒31	25°48	25°36	8°47	19°25	24°28	12°D42	27°44	5°11	4°23	5°23	14°34	n.a.	W26
T 27	20 4 36	29°30'20	17°13	26°40	26°51	9°26	19°31	24°35	12°42	27°46	5°10	4°14	5°20	14°41	n.a.	T 27
F 28	20 8 33	0♌28'17	0♓33	27°28	28° 5	10° 5	19°38	24°42	12°42	27°48	5° 9	4° 8	5°17	14°47	n.a.	F 28
S 29	20 12 30	1°26'16	13°29	28°13	29°19	10°45	19°45	24°49	12°42	27°50	5° 8	4° 3	5°14	14°54	n.a.	S 29
S 30	20 16 26	2°24'16	26° 5	28°55	0♌34	11°24	19°52	24°56	12°43	27°52	5° 6	4° 1	5°11	15° 1	n.a.	S 30
M31	20 20 23	3♌22'18	8♈22	29♌33	1♌48	12♍ 3	19♎59	25♌ 3	12♏43	27♌54	5♑ 5	4°D 1	5♎ 7	15♉ 7	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n38	7s 9	2n37	23n20	1n31	23n57	0n20	14n57	0n57	5s54	1n10	16n11	1n53	15s41	0n15	13n51	1n16	28s18	4s43	2s44	2s42	12n44		n.a.
S 2	23 36	3 15	1 37	22 57	1 26	24 2	0 23	14 44	0 56	5 55	1 9	16 9	1 53	15 40	0 15	13 50	1 16	28 18	4 43	2 43	2 40	12 45		n.a.
M 3	23 33	0n41	0 34	22 34	1 20	24 6	0 25	14 30	0 55	5 56	1 9	16 7	1 53	15 40	0 15	13 50	1 16	28 18	4 43	2 43	2 39	12 46		n.a.
T 4	23 30	4 31	0s30	22 9	1 15	24 10	0 27	14 17	0 55	5 58	1 9	16 5	1 53	15 40	0 15	13 49	1 16	28 18	4 43	2 43	2 38	12 48		n.a.
W 5	23 27	8 7	1 32	21 44	1 9	24 13	0 30	14 4	0 54	5 59	1 9	16 3	1 53	15 39	0 15	13 48	1 16	28 18	4 43	2 43	2 37	12 49		n.a.
T 6	23 23	11 23	2 29	21 17	1 2	24 15	0 32	13 50	0 53	6 1	1 8	16 1	1 53	15 39	0 15	13 48	1 16	28 18	4 43	2 42	2 35	12 50		n.a.
F 7	23 19	14 11	3 20	20 49	0 56	24 16	0 34	13 36	0 52	6 2	1 8	15 59	1 53	15 39	0 15	13 47	1 16	28 19	4 43	2 40	2 34	12 52		n.a.
S 8	23 14	16 25	4 2	20 21	0 48	24 17	0 36	13 23	0 52	6 4	1 8	15 57	1 53	15 38	0 14	13 47	1 16	28 19	4 43	2 37	2 33	12 53		n.a.
S 9	23 9	17 57	4 34	19 52	0 41	24 16	0 38	13 9	0 51	6 5	1 7	15 55	1 53	15 38	0 14	13 46	1 16	28 19	4 43	2 33	2 32	12 55		n.a.
M10	23 3	18 41	4 54	19 23	0 33	24 16	0 40	12 55	0 50	6 7	1 7	15 53	1 53	15 38	0 14	13 45	1 16	28 19	4 43	2 29	2 30	12 56		n.a.
T 11	22 58	18 33	5 0	18 53	0 25	24 14	0 42	12 41	0 50	6 9	1 7	15 51	1 53	15 38	0 14	13 45	1 16	28 19	4 43	2 23	2 29	12 57		n.a.
W12	22 51	17 29	4 52	18 22	0 17	24 12	0 44	12 27	0 49	6 11	1 7	15 48	1 53	15 38	0 14	13 44	1 16	28 19	4 43	2 18	2 28	12 59		n.a.
T 13	22 45	15 32	4 29	17 51	0 9	24 9	0 46	12 12	0 48	6 13	1 6	15 46	1 53	15 37	0 14	13 44	1 16	28 19	4 43	2 13	2 26	13 0		n.a.
F 14	22 37	12 45	3 52	17 20	0s 0	24 5	0 48	11 58	0 47	6 15	1 6	15 44	1 53	15 37	0 14	13 43	1 16	28 19	4 43	2 10	2 25	13 1		n.a.
S 15	22 30	9 17	3 1	16 49	0 9	24 0	0 50	11 43	0 47	6 17	1 6	15 42	1 53	15 37	0 14	13 42	1 16	28 20	4 44	2 7	2 24	13 3		n.a.
S 16	22 22	5 18	1 59	16 17	0 18	23 55	0 52	11 29	0 46	6 19	1 5	15 40	1 52	15 37	0 14	13 42	1 16	28 20	4 44	2 5	2 23	13 4		n.a.
M17	22 14	0 59	0 50	15 46	0 28	23 49	0 54	11 14	0 45	6 21	1 5	15 37	1 52	15 37	0 14	13 41	1 16	28 20	4 44	2 4	2 21	13 5		n.a.
T 18	22 5	3s26	0n23	15 14	0 37	23 42	0 56	10 59	0 45	6 23	1 5	15 35	1 52	15 37	0 14	13 40	1 16	28 20	4 44	2 4	2 20	13 7		n.a.
W19	21 56	7 44	1 35	14 43	0 47	23 35	0 58	10 45	0 44	6 26	1 5	15 33	1 52	15 37	0 14	13 40	1 16	28 20	4 44	2 4	2 19	13 8		n.a.
T 20	21 46	11 38	2 43	14 11	0 57	23 27	0 59	10 30	0 43	6 28	1 4	15 31	1 52	15 37	0 14	13 39	1 16	28 20	4 44	2 4	2 18	13 9		n.a.
F 21	21 36	14 53	3 41	13 40	1 7	23 18	1 1	10 15	0 42	6 30	1 4	15 28	1 52	15 36	0 14	13 38	1 16	28 20	4 44	2 3	2 16	13 11		n.a.
S 22	21 26	17 15	4 26	13 10	1 17	23 8	1 3	9 59	0 42	6 33	1 4	15 26	1 52	15 36	0 14	13 38	1 15	28 20	4 44	2 1	2 15	13 12		n.a.
S 23	21 16	18 31	4 54	12 40	1 27	22 58	1 4	9 44	0 41	6 35	1 4	15 24	1 52	15 36	0 14	13 37	1 15	28 20	4 44	1 58	2 14	13 13		n.a.
M24	21 5	18 34	5 3	12 10	1 37	22 47	1 6	9 29	0 40	6 38	1 3	15 21	1 52	15 36	0 14	13 36	1 15	28 20	4 44	1 54	2 12	13 14		n.a.
T 25	20 53	17 27	4 53	11 41	1 48	22 36	1 7	9 14	0 40	6 40	1 3	15 19	1 52	15 36	0 14	13 36	1 15	28 20	4 44	1 50	2 11	13 16		n.a.
W26	20 42	15 18	4 25	11 13	1 58	22 23	1 8	8 58	0 39	6 43	1 3	15 17	1 52	15 36	0 14	13 35	1 15	28 21	4 44	1 46	2 10	13 17		n.a.
T 27	20 29	12 19	3 42	10 46	2 8	22 10	1 10	8 43	0 38	6 46	1 3	15 14	1 52	15 36	0 14	13 34	1 15	28 21	4 44	1 42	2 9	13 18		n.a.
F 28	20 17	8 47	2 49	10 19	2 19	21 57	1 11	8 27	0 38	6 48	1 2	15 12	1 52	15 36	0 14	13 33	1 15	28 21	4 44	1 40	2 7	13 20		n.a.
S 29	20 4	4 55	1 47	9 54	2 29	21 42	1 12	8 11	0 37	6 51	1 2	15 9	1 52	15 37	0 14	13 33	1 15	28 21	4 44	1 38	2 6	13 21		n.a.
S 30	19 51	0 56	0 42	9 30	2 39	21 28	1 14	7 56	0 36	6 54	1 2	15 7	1 52	15 37	0 14	13 32	1 15	28 21	4 44	1 37	2 5	13 22		n.a.
M31	19n38	3n 0	0s23	9n 7	2s49	21n12	1n15	7n40	0n35	6s57	1n 2	15n 5	1n52	15s37	0n14	13n31	1n15	28s21	4s44	1s37	2s 4	13n24		n.a.

Julian Day Number = 1648189.5, Delta T = 03h32m31s
Ecliptic obliquity = 23°43'01, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'12, Lahiri = - 6°43'12 Julian Calendar 1 July 201 BCE == Greg. Calendar 28 June 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

AUGUST 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 24 19	4♌20'23	20♈24	0♍ 7	3♌ 3	12♍43	20♎ 6	25♌10	12♏43	27♌56	5°R 4	4♎ 2	5♎ 4	15♉14	n.a.	T 1
W 2	20 28 16	5°18'29	2♉18	0°36	4°17	13°22	20°13	25°17	12°43	27°58	5♑ 3	4°R 3	5° 1	15°21	n.a.	W 2
T 3	20 32 12	6°16'38	14° 8	1° 1	5°32	14° 2	20°21	25°24	12°44	28° 0	5° 2	4° 2	4°58	15°27	n.a.	T 3
F 4	20 36 9	7°14'48	26° 0	1°21	6°46	14°42	20°28	25°31	12°44	28° 2	5° 0	4° 0	4°55	15°34	n.a.	F 4
S 5	20 40 5	8°13'01	7♊57	1°36	8° 1	15°21	20°36	25°39	12°45	28° 4	4°59	3°56	4°52	15°41	n.a.	S 5
S 6	20 44 2	9°11'16	20° 6	1°46	9°16	16° 1	20°44	25°46	12°45	28° 6	4°58	3°50	4°48	15°47	n.a.	S 6
M 7	20 47 58	10° 9'33	2♋28	1°R50	10°30	16°41	20°52	25°53	12°46	28° 9	4°57	3°42	4°45	15°54	n.a.	M 7
T 8	20 51 55	11° 7'52	15° 7	1°48	11°45	17°21	21° 0	26° 0	12°47	28°11	4°56	3°33	4°42	16° 1	n.a.	T 8
W 9	20 55 52	12° 6'14	28° 2	1°39	13° 0	18° 1	21° 8	26° 7	12°47	28°13	4°55	3°23	4°39	16° 7	n.a.	W 9
T 10	20 59 48	13° 4'37	11♌15	1°24	14°14	18°41	21°16	26°15	12°48	28°15	4°54	3°15	4°36	16°14	n.a.	T 10
F 11	21 3 45	14° 3'02	24°43	1° 3	15°29	19°21	21°25	26°22	12°49	28°17	4°53	3° 8	4°33	16°21	n.a.	F 11
S 12	21 7 41	15° 1'29	8♍23	0°34	16°44	20° 1	21°34	26°29	12°50	28°19	4°52	3° 3	4°29	16°27	n.a.	S 12
S 13	21 11 38	15°59'57	22°14	29♌59	17°58	20°42	21°42	26°36	12°51	28°22	4°51	3° 1	4°26	16°34	n.a.	S 13
M14	21 15 34	16°58'28	6♎13	29°19	19°13	21°22	21°51	26°44	12°52	28°24	4°50	3°D 0	4°23	16°41	n.a.	M14
T 15	21 19 31	17°57'00	20°17	28°32	20°28	22° 2	22° 0	26°51	12°53	28°26	4°49	3° 1	4°20	16°47	n.a.	T 15
W16	21 23 27	18°55'34	4♏24	27°39	21°43	22°43	22° 9	26°58	12°54	28°28	4°48	3° 2	4°17	16°54	n.a.	W16
T 17	21 27 24	19°54'10	18°34	26°42	22°58	23°23	22°18	27° 6	12°55	28°30	4°47	3°R 3	4°13	17° 1	n.a.	T 17
F 18	21 31 21	20°52'48	2♐44	25°41	24°12	24° 4	22°28	27°13	12°56	28°33	4°46	3° 2	4°10	17° 7	n.a.	F 18
S 19	21 35 17	21°51'27	16°53	24°38	25°27	24°45	22°37	27°20	12°57	28°35	4°46	3° 0	4° 7	17°14	n.a.	S 19
S 20	21 39 14	22°50'08	0♑58	23°34	26°42	25°25	22°46	27°28	12°58	28°37	4°45	2°56	4° 4	17°21	n.a.	S 20
M21	21 43 10	23°48'52	14°56	22°30	27°57	26° 6	22°56	27°35	13° 0	28°39	4°44	2°50	4° 1	17°28	n.a.	M21
T 22	21 47 7	24°47'36	28°45	21°29	29°12	26°47	23° 6	27°43	13° 1	28°41	4°43	2°44	3°58	17°34	n.a.	T 22
W23	21 51 3	25°46'23	12♒21	20°31	0♍27	27°28	23°16	27°50	13° 2	28°44	4°42	2°38	3°54	17°41	n.a.	W23
T 24	21 55 0	26°45'12	25°42	19°38	1°41	28° 9	23°26	27°57	13° 4	28°46	4°42	2°33	3°51	17°48	n.a.	T 24
F 25	21 58 56	27°44'03	8♓45	18°52	2°56	28°50	23°36	28° 5	13° 5	28°48	4°41	2°29	3°48	17°54	n.a.	F 25
S 26	22 2 53	28°42'56	21°31	18°13	4°11	29°31	23°46	28°12	13° 7	28°50	4°40	2°27	3°45	18° 1	n.a.	S 26
S 27	22 6 49	29°41'51	4♈ 0	17°43	5°26	0♎12	23°56	28°20	13° 9	28°53	4°39	2°D27	3°42	18° 8	n.a.	S 27
M28	22 10 46	0♍40'49	16°14	17°23	6°41	0°53	24° 6	28°27	13°10	28°55	4°39	2°27	3°38	18°14	n.a.	M28
T 29	22 14 43	1°39'49	28°16	17°D13	7°56	1°35	24°17	28°34	13°12	28°57	4°38	2°29	3°35	18°21	n.a.	T 29
W30	22 18 39	2°38'51	10♉10	17°13	9°11	2°16	24°27	28°42	13°14	28°59	4°38	2°31	3°32	18°28	n.a.	W30
T 31	22 22 36	3♍37'56	22♉ 0	17♌23	10♍26	2♎58	24♎38	28♌49	13♏15	29♌ 2	4♑37	2♎32	3♎29	18♉34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19n24	6n44	1s27	8n46	2s59	20n56	1n16	7n24	0n35	7s 0	1n 1	15n 2	1n52	15s37	0n14	13n30	1n15	28s21	4s44	1s37	2s 2	13n25			n.a.
W 2	19 10	10 8	2 26	8 27	3 8	20 39	1 17	7 8	0 34	7 3	1 1	15 0	1 52	15 37	0 14	13 30	1 15	28 21	4 44	1 37	2 1	13 26			n.a.
T 3	18 55	13 7	3 18	8 10	3 18	20 22	1 18	6 52	0 33	7 6	1 1	14 57	1 52	15 37	0 14	13 29	1 15	28 21	4 44	1 37	2 0	13 27			n.a.
F 4	18 40	15 34	4 2	7 54	3 26	20 4	1 19	6 36	0 33	7 9	1 1	14 55	1 52	15 37	0 14	13 28	1 15	28 21	4 44	1 37	1 58	13 29			n.a.
S 5	18 25	17 21	4 36	7 41	3 35	19 45	1 19	6 20	0 32	7 12	1 0	14 52	1 52	15 37	0 14	13 28	1 15	28 21	4 44	1 35	1 57	13 30			n.a.
S 6	18 10	18 24	4 58	7 30	3 43	19 26	1 20	6 3	0 31	7 16	1 0	14 50	1 52	15 38	0 14	13 27	1 15	28 21	4 44	1 32	1 56	13 31			n.a.
M 7	17 54	18 36	5 6	7 22	3 50	19 6	1 21	5 47	0 31	7 19	1 0	14 47	1 52	15 38	0 14	13 26	1 15	28 21	4 44	1 29	1 55	13 33			n.a.
T 8	17 38	17 53	5 0	7 17	3 56	18 46	1 22	5 31	0 30	7 22	1 0	14 45	1 52	15 38	0 14	13 25	1 15	28 21	4 44	1 25	1 53	13 34			n.a.
W 9	17 22	16 15	4 39	7 15	4 2	18 25	1 22	5 14	0 29	7 25	0 59	14 43	1 52	15 38	0 14	13 24	1 15	28 21	4 44	1 22	1 52	13 35			n.a.
T 10	17 5	13 43	4 2	7 16	4 6	18 4	1 23	4 58	0 28	7 29	0 59	14 40	1 52	15 38	0 14	13 24	1 15	28 21	4 44	1 18	1 51	13 36			n.a.
F 11	16 48	10 26	3 11	7 21	4 9	17 42	1 23	4 41	0 28	7 32	0 59	14 38	1 52	15 39	0 14	13 23	1 15	28 21	4 44	1 16	1 50	13 38			n.a.
S 12	16 31	6 32	2 9	7 29	4 11	17 20	1 24	4 25	0 27	7 36	0 59	14 35	1 52	15 39	0 14	13 22	1 15	28 21	4 44	1 14	1 48	13 39			n.a.
S 13	16 13	2 14	0 58	7 41	4 12	16 57	1 24	4 8	0 26	7 39	0 58	14 33	1 52	15 39	0 14	13 21	1 15	28 22	4 44	1 13	1 47	13 40			n.a.
M14	15 56	2s14	0n17	7 56	4 10	16 34	1 24	3 51	0 26	7 43	0 58	14 30	1 52	15 40	0 14	13 21	1 15	28 22	4 44	1 12	1 46	13 42			n.a.
T 15	15 38	6 36	1 32	8 16	4 7	16 10	1 24	3 34	0 25	7 46	0 58	14 27	1 52	15 40	0 14	13 20	1 15	28 22	4 44	1 13	1 44	13 43			n.a.
W16	15 19	10 36	2 42	8 38	4 2	15 46	1 25	3 18	0 24	7 50	0 58	14 25	1 52	15 40	0 14	13 19	1 15	28 22	4 44	1 13	1 43	13 44			n.a.
T 17	15 1	14 0	3 42	9 4	3 56	15 21	1 25	3 1	0 24	7 53	0 58	14 22	1 52	15 41	0 14	13 18	1 15	28 22	4 44	1 14	1 42	13 45			n.a.
F 18	14 42	16 34	4 28	9 33	3 47	14 56	1 25	2 44	0 23	7 57	0 57	14 20	1 52	15 41	0 14	13 18	1 15	28 22	4 44	1 13	1 41	13 47			n.a.
S 19	14 23	18 7	4 58	10 4	3 36	14 31	1 25	2 27	0 22	8 1	0 57	14 17	1 52	15 41	0 14	13 17	1 15	28 22	4 44	1 12	1 39	13 48			n.a.
S 20	14 4	18 33	5 10	10 37	3 23	14 5	1 24	2 10	0 21	8 5	0 57	14 15	1 52	15 42	0 14	13 16	1 15	28 22	4 44	1 11	1 38	13 49			n.a.
M21	13 44	17 51	5 3	11 12	3 9	13 38	1 24	1 53	0 21	8 8	0 57	14 12	1 52	15 42	0 14	13 15	1 15	28 22	4 44	1 9	1 37	13 50			n.a.
T 22	13 25	16 6	4 39	11 47	2 53	13 12	1 24	1 36	0 20	8 12	0 57	14 10	1 52	15 43	0 14	13 14	1 15	28 22	4 44	1 6	1 35	13 52			n.a.
W23	13 5	13 28	3 59	12 22	2 35	12 45	1 24	1 19	0 19	8 16	0 56	14 7	1 52	15 43	0 14	13 14	1 15	28 22	4 44	1 4	1 34	13 53			n.a.
T 24	12 44	10 10	3 7	12 57	2 17	12 18	1 23	1 2	0 19	8 20	0 56	14 5	1 52	15 44	0 13	13 13	1 15	28 22	4 44	1 2	1 33	13 54			n.a.
F 25	12 24	6 26	2 6	13 29	1 57	11 50	1 23	0 45	0 18	8 24	0 56	14 2	1 52	15 44	0 13	13 12	1 15	28 22	4 44	1 0	1 32	13 55			n.a.
S 26	12 3	2 30	0 59	14 0	1 38	11 22	1 22	0 27	0 17	8 28	0 56	14 0	1 53	15 45	0 13	13 11	1 15	28 22	4 44	0 59	1 30	13 57			n.a.
S 27	11 43	1n29	0s 9	14 28	1 18	10 54	1 22	0 10	0 17	8 32	0 56	13 57	1 53	15 45	0 13	13 11	1 15	28 22	4 44	0 59	1 29	13 58			n.a.
M28	11 22	5 18	1 15	14 53	0 58	10 25	1 21	0s 7	0 16	8 36	0 55	13 54	1 53	15 46	0 13	13 10	1 15	28 22	4 44	0 59	1 28	13 59			n.a.
T 29	11 0	8 51	2 17	15 14	0 39	9 56	1 20	0 24	0 15	8 40	0 55	13 52	1 53	15 46	0 13	13 9	1 15	28 22	4 44	1 0	1 27	14 0			n.a.
W30	10 39	12 0	3 12	15 32	0 20	9 27	1 20	0 41	0 15	8 44	0 55	13 49	1 53	15 47	0 13	13 8	1 15	28 22	4 44	1 1	1 25	14 2			n.a.
T 31	10n17	14n38	3s59	15n45	0s 3	8n58	1n19	0s59	0n14	8s48	0n55	13n47	1n53	15s47	0n13	13n 7	1n15	28s22	4s44	1s 1	1s24	14n 3			n.a.

Julian Day Number = 1648220.5, Delta T = 03h32m30s
Ecliptic obliquity = 23°43'01, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'08, Lahiri = - 6°43'08 Julian Calendar 1 Aug. 201 BCE == Greg. Calendar 29 July 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

SEPTEMBER 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 26 32	4♍37'03	3♊52	17♌44	11♍41	3♎39	24♎48	28♌56	13♏17	29♌ 4	4°R36	2°R33	3♎26	18♉41	n.a.	F 1
S 2	22 30 29	5°36'12	15°50	18°14	12°56	4°21	24°59	29° 4	13°19	29° 6	4♑36	2♎32	3°23	18°48	n.a.	S 2
S 3	22 34 25	6°35'24	27°59	18°53	14°11	5° 2	25°10	29°11	13°21	29° 8	4°35	2°31	3°19	18°54	n.a.	S 3
M 4	22 38 22	7°34'39	10♋23	19°41	15°26	5°44	25°21	29°18	13°23	29°10	4°35	2°28	3°16	19° 1	n.a.	M 4
T 5	22 42 18	8°33'56	23° 6	20°38	16°41	6°26	25°32	29°26	13°25	29°13	4°34	2°24	3°13	19° 8	n.a.	T 5
W 6	22 46 15	9°33'15	6♌10	21°41	17°55	7° 8	25°43	29°33	13°27	29°15	4°34	2°21	3°10	19°14	n.a.	W 6
T 7	22 50 12	10°32'36	19°36	22°51	19°10	7°50	25°54	29°40	13°29	29°17	4°34	2°17	3° 7	19°21	n.a.	T 7
F 8	22 54 8	11°32'00	3♍22	24° 7	20°26	8°32	26° 6	29°48	13°31	29°19	4°33	2°15	3° 4	19°28	n.a.	F 8
S 9	22 58 5	12°31'25	17°26	25°27	21°41	9°14	26°17	29°55	13°34	29°22	4°33	2°13	3° 0	19°35	n.a.	S 9
S 10	23 2 1	13°30'53	1♎44	26°52	22°56	9°56	26°28	0♍ 2	13°36	29°24	4°33	2°D13	2°57	19°41	n.a.	S 10
M11	23 5 58	14°30'23	16°10	28°21	24°11	10°38	26°40	0°10	13°38	29°26	4°32	2°13	2°54	19°48	n.a.	M11
T 12	23 9 54	15°29'55	0♏39	29°53	25°26	11°20	26°51	0°17	13°40	29°28	4°32	2°14	2°51	19°55	n.a.	T 12
W13	23 13 51	16°29'29	15° 7	1♍28	26°41	12° 2	27° 3	0°24	13°43	29°30	4°32	2°15	2°48	20° 1	n.a.	W13
T 14	23 17 47	17°29'05	29°30	3° 4	27°56	12°45	27°15	0°31	13°45	29°32	4°32	2°16	2°44	20° 8	n.a.	T 14
F 15	23 21 44	18°28'43	13♐43	4°43	29°11	13°27	27°27	0°38	13°48	29°35	4°31	2°R17	2°41	20°15	n.a.	F 15
S 16	23 25 40	19°28'22	27°45	6°22	0♎26	14°10	27°38	0°45	13°50	29°37	4°31	2°17	2°38	20°21	n.a.	S 16
S 17	23 29 37	20°28'03	11♑36	8° 3	1°41	14°52	27°50	0°53	13°53	29°39	4°31	2°16	2°35	20°28	n.a.	S 17
M18	23 33 34	21°27'47	25°13	9°45	2°56	15°35	28° 2	1° 0	13°55	29°41	4°31	2°15	2°32	20°35	n.a.	M18
T 19	23 37 30	22°27'31	8♒36	11°27	4°11	16°17	28°14	1° 7	13°58	29°43	4°31	2°14	2°29	20°41	n.a.	T 19
W20	23 41 27	23°27'18	21°46	13° 9	5°26	17° 0	28°27	1°14	14° 0	29°45	4°31	2°12	2°25	20°48	n.a.	W20
T 21	23 45 23	24°27'07	4♓43	14°51	6°41	17°43	28°39	1°21	14° 3	29°47	4°D31	2°11	2°22	20°55	n.a.	T 21
F 22	23 49 20	25°26'57	17°25	16°34	7°56	18°26	28°51	1°28	14° 6	29°49	4°31	2°11	2°19	21° 1	n.a.	F 22
S 23	23 53 16	26°26'50	29°55	18°16	9°11	19° 9	29° 3	1°35	14° 8	29°51	4°31	2°D11	2°16	21° 8	n.a.	S 23
S 24	23 57 13	27°26'45	12♈13	19°58	10°26	19°52	29°16	1°42	14°11	29°53	4°31	2°11	2°13	21°15	n.a.	S 24
M25	0 1 9	28°26'41	24°20	21°40	11°41	20°35	29°28	1°49	14°14	29°55	4°31	2°11	2° 9	21°22	n.a.	M25
T 26	0 5 6	29°26'40	6♉19	23°22	12°56	21°18	29°41	1°55	14°17	29°57	4°31	2°11	2° 6	21°28	n.a.	T 26
W27	0 9 3	0♎26'41	18°11	25° 3	14°11	22° 1	29°53	2° 2	14°20	29°59	4°31	2°12	2° 3	21°35	n.a.	W27
T 28	0 12 59	1°26'45	0♊ 1	26°44	15°26	22°44	0♏ 6	2° 9	14°23	0♍ 1	4°32	2°12	2° 0	21°42	n.a.	T 28
F 29	0 16 56	2°26'50	11°52	28°24	16°41	23°28	0°18	2°16	14°26	0° 3	4°32	2°R12	1°57	21°48	n.a.	F 29
S 30	0 20 52	3♎26'58	23♊49	0♎ 4	17♎56	24♎11	0♏31	2♍22	14♏29	0♍ 5	4♑32	2♎12	1♎54	21♉55	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9n56	16n39	4s36	15n55	0n14	8n28	1n18	1s16	0n13	8s52	0n55	13n44	1n53	15s48	0n13	13n 7	1n15	28s22	4s44	1s 1	1s23	14n 4		n.a.
S 2	9 34	17 58	5 1	16 0	0 29	7 58	1 17	1 33	0 12	8 56	0 54	13 42	1 53	15 48	0 13	13 6	1 15	28 22	4 44	1 1	1 21	14 5		n.a.
S 3	9 12	18 29	5 13	16 1	0 43	7 28	1 16	1 51	0 12	9 0	0 54	13 39	1 53	15 49	0 13	13 5	1 16	28 22	4 44	1 1	1 20	14 6		n.a.
M 4	8 49	18 8	5 11	15 58	0 56	6 58	1 15	2 8	0 11	9 5	0 54	13 37	1 53	15 50	0 13	13 4	1 16	28 22	4 43	0 59	1 19	14 8		n.a.
T 5	8 27	16 53	4 54	15 51	1 8	6 27	1 14	2 25	0 10	9 9	0 54	13 34	1 53	15 50	0 13	13 4	1 16	28 21	4 43	0 58	1 18	14 9		n.a.
W 6	8 5	14 43	4 22	15 40	1 18	5 56	1 13	2 43	0 10	9 13	0 54	13 32	1 53	15 51	0 13	13 3	1 16	28 21	4 43	0 57	1 16	14 10		n.a.
T 7	7 42	11 44	3 34	15 26	1 27	5 26	1 11	3 0	0 9	9 17	0 54	13 29	1 53	15 52	0 13	13 2	1 16	28 21	4 43	0 55	1 15	14 11		n.a.
F 8	7 19	8 1	2 33	15 7	1 35	4 55	1 10	3 17	0 8	9 22	0 53	13 26	1 53	15 52	0 13	13 1	1 16	28 21	4 43	0 54	1 14	14 13		n.a.
S 9	6 56	3 47	1 21	14 46	1 41	4 23	1 9	3 35	0 8	9 26	0 53	13 24	1 54	15 53	0 13	13 0	1 16	28 21	4 43	0 54	1 13	14 14		n.a.
S 10	6 33	0s44	0 3	14 22	1 46	3 52	1 7	3 52	0 7	9 30	0 53	13 21	1 54	15 54	0 13	13 0	1 16	28 21	4 43	0 53	1 11	14 15		n.a.
M11	6 10	5 15	1n16	13 55	1 51	3 21	1 6	4 10	0 6	9 35	0 53	13 19	1 54	15 54	0 13	12 59	1 16	28 21	4 43	0 53	1 10	14 16		n.a.
T 12	5 47	9 29	2 31	13 25	1 54	2 49	1 4	4 27	0 6	9 39	0 53	13 16	1 54	15 55	0 13	12 58	1 16	28 21	4 43	0 54	1 9	14 17		n.a.
W13	5 23	13 7	3 36	12 53	1 56	2 18	1 3	4 44	0 5	9 43	0 53	13 14	1 54	15 56	0 13	12 57	1 16	28 21	4 43	0 54	1 7	14 19		n.a.
T 14	5 0	15 56	4 26	12 19	1 57	1 46	1 1	5 2	0 4	9 48	0 52	13 11	1 54	15 57	0 13	12 57	1 16	28 21	4 43	0 55	1 6	14 20		n.a.
F 15	4 36	17 45	5 0	11 43	1 58	1 14	1 0	5 19	0 4	9 52	0 52	13 9	1 54	15 57	0 13	12 56	1 16	28 21	4 43	0 55	1 5	14 21		n.a.
S 16	4 13	18 26	5 16	11 6	1 58	0 43	0 58	5 36	0 3	9 57	0 52	13 6	1 54	15 58	0 13	12 55	1 16	28 21	4 43	0 55	1 4	14 22		n.a.
S 17	3 49	18 1	5 13	10 27	1 57	0 11	0 56	5 53	0 2	10 1	0 52	13 4	1 54	15 59	0 13	12 54	1 16	28 21	4 43	0 55	1 2	14 23		n.a.
M18	3 25	16 33	4 52	9 47	1 55	0s21	0 54	6 11	0 2	10 6	0 52	13 2	1 54	16 0	0 13	12 54	1 16	28 21	4 43	0 54	1 1	14 25		n.a.
T 19	3 2	14 13	4 15	9 6	1 53	0 53	0 52	6 28	0 1	10 10	0 52	12 59	1 55	16 0	0 13	12 53	1 16	28 21	4 43	0 54	1 0	14 26		n.a.
W20	2 38	11 10	3 26	8 23	1 50	1 25	0 51	6 45	0 0	10 15	0 51	12 57	1 55	16 1	0 13	12 52	1 16	28 21	4 43	0 53	0 58	14 27		n.a.
T 21	2 14	7 37	2 27	7 41	1 47	1 56	0 49	7 2	0s 0	10 19	0 51	12 54	1 55	16 2	0 13	12 52	1 16	28 21	4 43	0 53	0 57	14 28		n.a.
F 22	1 50	3 47	1 21	6 57	1 44	2 28	0 47	7 19	0 1	10 24	0 51	12 52	1 55	16 3	0 13	12 51	1 16	28 21	4 43	0 53	0 56	14 29		n.a.
S 23	1 26	0n10	0 13	6 13	1 40	3 0	0 45	7 37	0 2	10 28	0 51	12 49	1 55	16 4	0 13	12 50	1 16	28 21	4 43	0 53	0 55	14 30		n.a.
S 24	1 2	4 2	0s55	5 28	1 35	3 31	0 43	7 54	0 3	10 33	0 51	12 47	1 55	16 5	0 13	12 49	1 16	28 21	4 42	0 53	0 53	14 32		n.a.
M25	0 38	7 41	2 0	4 43	1 31	4 3	0 40	8 11	0 3	10 37	0 51	12 45	1 55	16 5	0 13	12 49	1 16	28 21	4 42	0 53	0 52	14 33		n.a.
T 26	0 13	10 58	2 59	3 58	1 26	4 35	0 38	8 28	0 4	10 42	0 51	12 42	1 55	16 6	0 13	12 48	1 16	28 21	4 42	0 53	0 51	14 34		n.a.
W27	0s11	13 47	3 49	3 13	1 20	5 6	0 36	8 45	0 5	10 47	0 50	12 40	1 56	16 7	0 13	12 47	1 16	28 20	4 42	0 53	0 50	14 35		n.a.
T 28	0 35	16 0	4 29	2 28	1 15	5 37	0 34	9 1	0 5	10 51	0 50	12 38	1 56	16 8	0 13	12 47	1 16	28 20	4 42	0 53	0 48	14 36		n.a.
F 29	0 59	17 33	4 58	1 42	1 9	6 9	0 32	9 18	0 6	10 56	0 50	12 35	1 56	16 9	0 13	12 46	1 16	28 20	4 42	0 53	0 47	14 37		n.a.
S 30	1s23	18n20	5s14	0n56	1n 3	6s40	0n29	9s35	0s 7	11s 0	0n50	12n33	1n56	16s10	0n13	12n45	1n16	28s20	4s42	0s53	0s46	14n39		n.a.

Julian Day Number = 1648251.5, Delta T = 03h32m29s
Ecliptic obliquity = 23°43'01, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'04, Lahiri = - 6°43'04 Julian Calendar 1 Sept. 201 BCE == Greg. Calendar 29 Aug. 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

OCTOBER 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 24 49	4♎27'08	5♋56	1♎44	19♎11	24♎54	0♏44	2♍29	14♏32	0♍ 7	4♑32	2°D12	1♎50	22♉ 2	n.a.	S 1
M 2	0 28 45	5°27'20	18°17	3°23	20°26	25°38	0°56	2°36	14°35	0° 9	4°33	2♎12	1°47	22° 8	n.a.	M 2
T 3	0 32 42	6°27'35	0♌57	5° 1	21°41	26°21	1° 9	2°42	14°38	0°11	4°33	2°12	1°44	22°15	n.a.	T 3
W 4	0 36 38	7°27'51	13°59	6°40	22°56	27° 5	1°22	2°49	14°41	0°13	4°33	2°12	1°41	22°22	n.a.	W 4
T 5	0 40 35	8°28'10	27°27	8°17	24°11	27°49	1°35	2°55	14°44	0°15	4°34	2°13	1°38	22°28	n.a.	T 5
F 6	0 44 31	9°28'30	11♍20	9°55	25°26	28°32	1°48	3° 2	14°47	0°17	4°34	2°14	1°35	22°35	n.a.	F 6
S 7	0 48 28	10°28'53	25°37	11°32	26°41	29°16	2° 1	3° 8	14°50	0°18	4°35	2°R14	1°31	22°42	n.a.	S 7
S 8	0 52 25	11°29'17	10♎15	13° 8	27°56	29°59	2°14	3°14	14°53	0°20	4°35	2°14	1°28	22°48	n.a.	S 8
M 9	0 56 21	12°29'44	25° 6	14°44	29°11	0♏44	2°27	3°21	14°57	0°22	4°36	2°13	1°25	22°55	n.a.	M 9
T 10	1 0 18	13°30'12	10♏ 3	16°20	0♏26	1°28	2°40	3°27	15° 0	0°24	4°36	2°12	1°22	23° 2	n.a.	T 10
W11	1 4 14	14°30'41	24°58	17°55	1°41	2°12	2°53	3°33	15° 3	0°25	4°37	2°11	1°19	23° 9	n.a.	W11
T 12	1 8 11	15°31'13	9♐42	19°31	2°56	2°56	3° 6	3°39	15° 7	0°27	4°37	2° 9	1°15	23°15	n.a.	T 12
F 13	1 12 7	16°31'45	24°11	21° 5	4°11	3°40	3°20	3°45	15°10	0°29	4°38	2° 8	1°12	23°22	n.a.	F 13
S 14	1 16 4	17°32'19	8♑20	22°40	5°26	4°24	3°33	3°52	15°13	0°30	4°39	2° 7	1° 9	23°29	n.a.	S 14
S 15	1 20 0	18°32'55	22° 8	24°14	6°41	5° 8	3°46	3°57	15°17	0°32	4°39	2°D 7	1° 6	23°35	n.a.	S 15
M16	1 23 57	19°33'32	5♒35	25°48	7°56	5°53	3°59	4° 3	15°20	0°34	4°40	2° 8	1° 3	23°42	n.a.	M16
T 17	1 27 54	20°34'09	18°42	27°21	9°11	6°37	4°13	4° 9	15°23	0°35	4°41	2° 9	1° 0	23°49	n.a.	T 17
W18	1 31 50	21°34'49	1♓33	28°55	10°26	7°22	4°26	4°15	15°27	0°37	4°41	2°10	0°56	23°55	n.a.	W18
T 19	1 35 47	22°35'29	14° 9	0♏28	11°40	8° 6	4°39	4°21	15°30	0°38	4°42	2°12	0°53	24° 2	n.a.	T 19
F 20	1 39 43	23°36'11	26°32	2° 1	12°55	8°50	4°53	4°26	15°34	0°40	4°43	2°R13	0°50	24° 9	n.a.	F 20
S 21	1 43 40	24°36'54	8♈46	3°33	14°10	9°35	5° 6	4°32	15°37	0°41	4°44	2°13	0°47	24°16	n.a.	S 21
S 22	1 47 36	25°37'39	20°51	5° 6	15°25	10°20	5°20	4°38	15°41	0°43	4°45	2°11	0°44	24°22	n.a.	S 22
M23	1 51 33	26°38'25	2♉50	6°38	16°40	11° 4	5°33	4°43	15°44	0°44	4°46	2° 9	0°40	24°29	n.a.	M23
T 24	1 55 29	27°39'13	14°45	8°10	17°55	11°49	5°46	4°49	15°48	0°46	4°46	2° 5	0°37	24°36	n.a.	T 24
W25	1 59 26	28°40'02	26°36	9°42	19°10	12°34	6° 0	4°54	15°51	0°47	4°47	2° 0	0°34	24°42	n.a.	W25
T 26	2 3 23	29°40'52	8♊26	11°14	20°25	13°19	6°13	4°59	15°55	0°49	4°48	1°55	0°31	24°49	n.a.	T 26
F 27	2 7 19	0♏41'44	20°18	12°45	21°39	14° 4	6°27	5° 4	15°58	0°50	4°49	1°50	0°28	24°56	n.a.	F 27
S 28	2 11 16	1°42'37	2♋15	14°16	22°54	14°49	6°40	5° 9	16° 2	0°51	4°50	1°46	0°25	25° 2	n.a.	S 28
S 29	2 15 12	2°43'32	14°20	15°48	24° 9	15°34	6°54	5°15	16° 6	0°52	4°51	1°43	0°21	25° 9	n.a.	S 29
M30	2 19 9	3°44'29	26°37	17°18	25°24	16°19	7° 7	5°20	16° 9	0°54	4°52	1°41	0°18	25°16	n.a.	M30
T 31	2 23 5	4♏45'27	9♌11	18♏49	26♏39	17♏ 4	7♏21	5♍24	16♏13	0♍55	4♑54	1°D41	0♎15	25♉22	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	1s47	18n18	5s17	0n11	0n57	7s11	0n27	9s52	0s 7	11s 5	0n50	12n31	1n56	16s11	0n13	12n45	1n16	28s20	4s42	0s53	0s44	14n40			n.a.
M 2	2 12	17 25	5 5	0s34	0 51	7 41	0 25	10 8	0 8	11 10	0 50	12 28	1 56	16 12	0 13	12 44	1 16	28 20	4 42	0 53	0 43	14 41			n.a.
T 3	2 36	15 39	4 39	1 20	0 45	8 12	0 22	10 25	0 9	11 14	0 50	12 26	1 56	16 13	0 13	12 43	1 16	28 20	4 42	0 53	0 42	14 42			n.a.
W 4	3 0	13 2	3 57	2 5	0 39	8 42	0 20	10 42	0 9	11 19	0 49	12 24	1 57	16 14	0 13	12 43	1 16	28 20	4 42	0 53	0 41	14 43			n.a.
T 5	3 24	9 40	3 1	2 50	0 32	9 13	0 18	10 58	0 10	11 23	0 49	12 22	1 57	16 15	0 13	12 42	1 16	28 20	4 42	0 54	0 39	14 44			n.a.
F 6	3 48	5 39	1 53	3 34	0 26	9 43	0 15	11 15	0 10	11 28	0 49	12 19	1 57	16 15	0 13	12 42	1 16	28 20	4 42	0 54	0 38	14 46			n.a.
S 7	4 12	1 12	0 37	4 19	0 19	10 12	0 13	11 31	0 11	11 33	0 49	12 17	1 57	16 16	0 13	12 41	1 16	28 20	4 42	0 54	0 37	14 47			n.a.
S 8	4 36	3s25	0n44	5 3	0 13	10 42	0 10	11 47	0 12	11 37	0 49	12 15	1 57	16 17	0 13	12 40	1 16	28 20	4 42	0 54	0 35	14 48			n.a.
M 9	5 0	7 55	2 3	5 47	0 6	11 11	0 8	12 3	0 12	11 42	0 49	12 13	1 57	16 18	0 13	12 40	1 16	28 20	4 42	0 54	0 34	14 49			n.a.
T 10	5 23	11 55	3 15	6 30	0s 0	11 40	0 5	12 19	0 13	11 47	0 49	12 11	1 58	16 19	0 13	12 39	1 17	28 20	4 42	0 53	0 33	14 50			n.a.
W11	5 47	15 9	4 12	7 13	0 7	12 9	0 3	12 35	0 14	11 51	0 49	12 9	1 58	16 20	0 13	12 39	1 17	28 20	4 42	0 53	0 32	14 51			n.a.
T 12	6 11	17 20	4 53	7 56	0 13	12 38	0 0	12 51	0 14	11 56	0 49	12 7	1 58	16 21	0 13	12 38	1 17	28 19	4 42	0 52	0 30	14 52			n.a.
F 13	6 34	18 22	5 14	8 38	0 20	13 6	0s 2	13 7	0 15	12 1	0 48	12 4	1 58	16 22	0 13	12 37	1 17	28 19	4 41	0 51	0 29	14 54			n.a.
S 14	6 58	18 13	5 15	9 19	0 26	13 34	0 5	13 23	0 16	12 5	0 48	12 2	1 58	16 23	0 13	12 37	1 17	28 19	4 41	0 51	0 28	14 55			n.a.
S 15	7 21	16 59	4 58	10 1	0 33	14 1	0 7	13 39	0 16	12 10	0 48	12 0	1 58	16 24	0 13	12 36	1 17	28 19	4 41	0 51	0 27	14 56			n.a.
M16	7 44	14 49	4 24	10 41	0 39	14 28	0 10	13 54	0 17	12 14	0 48	11 58	1 59	16 25	0 13	12 36	1 17	28 19	4 41	0 51	0 25	14 57			n.a.
T 17	8 7	11 57	3 38	11 22	0 46	14 55	0 13	14 9	0 18	12 19	0 48	11 56	1 59	16 26	0 13	12 35	1 17	28 19	4 41	0 52	0 24	14 58			n.a.
W18	8 30	8 32	2 41	12 1	0 52	15 21	0 15	14 25	0 18	12 24	0 48	11 54	1 59	16 27	0 13	12 35	1 17	28 19	4 41	0 52	0 23	14 59			n.a.
T 19	8 53	4 48	1 38	12 40	0 58	15 47	0 18	14 40	0 19	12 28	0 48	11 52	1 59	16 28	0 13	12 34	1 17	28 19	4 41	0 53	0 21	15 0			n.a.
F 20	9 16	0 55	0 31	13 19	1 4	16 13	0 20	14 55	0 19	12 33	0 48	11 51	1 59	16 29	0 13	12 34	1 17	28 19	4 41	0 53	0 20	15 1			n.a.
S 21	9 39	2n58	0s36	13 56	1 10	16 38	0 23	15 10	0 20	12 38	0 48	11 49	2 0	16 30	0 12	12 33	1 17	28 19	4 41	0 53	0 19	15 3			n.a.
S 22	10 1	6 41	1 41	14 34	1 16	17 3	0 25	15 25	0 21	12 42	0 48	11 47	2 0	16 31	0 12	12 33	1 17	28 19	4 41	0 53	0 18	15 4			n.a.
M23	10 23	10 5	2 41	15 10	1 21	17 27	0 28	15 40	0 21	12 47	0 47	11 45	2 0	16 33	0 12	12 32	1 17	28 19	4 41	0 52	0 16	15 5			n.a.
T 24	10 46	13 4	3 33	15 46	1 27	17 51	0 30	15 54	0 22	12 51	0 47	11 43	2 0	16 34	0 12	12 32	1 17	28 19	4 41	0 50	0 15	15 6			n.a.
W25	11 8	15 29	4 16	16 21	1 32	18 15	0 33	16 9	0 23	12 56	0 47	11 41	2 0	16 35	0 12	12 31	1 17	28 18	4 41	0 48	0 14	15 7			n.a.
T 26	11 29	17 14	4 47	16 55	1 37	18 37	0 35	16 23	0 23	13 1	0 47	11 40	2 1	16 36	0 12	12 31	1 17	28 18	4 41	0 46	0 12	15 8			n.a.
F 27	11 51	18 16	5 7	17 28	1 42	19 0	0 38	16 37	0 24	13 5	0 47	11 38	2 1	16 37	0 12	12 30	1 17	28 18	4 41	0 44	0 11	15 9			n.a.
S 28	12 12	18 29	5 13	18 1	1 47	19 22	0 40	16 51	0 24	13 10	0 47	11 36	2 1	16 38	0 12	12 30	1 17	28 18	4 41	0 43	0 10	15 10			n.a.
S 29	12 34	17 53	5 5	18 32	1 52	19 43	0 43	17 5	0 25	13 14	0 47	11 34	2 1	16 39	0 12	12 30	1 17	28 18	4 41	0 41	0 9	15 11			n.a.
M30	12 55	16 26	4 44	19 3	1 56	20 4	0 45	17 19	0 26	13 19	0 47	11 33	2 2	16 40	0 12	12 29	1 17	28 18	4 41	0 41	0 7	15 12			n.a.
T 31	13s15	14n10	4s 8	19s32	2s 0	20s24	0s48	17s33	0s26	13s23	0n47	11n31	2n 2	16s41	0n12	12n29	1n17	28s18	4s41	0s41	0s 6	15n14			n.a.

Julian Day Number = 1648281.5, Delta T = 03h32m28s
Ecliptic obliquity = 23°43'01, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°50'00, Lahiri = - 6°42'59 Julian Calendar 1 Oct. 201 BCE == Greg. Calendar 28 Sept. 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

NOVEMBER 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 27 2	5♏46'26	22♌ 6	20♏19	27♏54	17♏49	7♏35	5♍29	16♏16	0♍56	4♑55	1♎42	0♎12	25♉29	n.a.	W 1
T 2	2 30 58	6°47'26	5♍25	21°49	29° 8	18°34	7°48	5°34	16°20	0°57	4°56	1°44	0° 9	25°36	n.a.	T 2
F 3	2 34 55	7°48'28	19°12	23°18	0♐23	19°19	8° 2	5°39	16°24	0°58	4°57	1°45	0° 6	25°43	n.a.	F 3
S 4	2 38 52	8°49'32	3♎27	24°47	1°38	20° 5	8°15	5°43	16°27	1° 0	4°58	1°R46	0° 2	25°49	n.a.	S 4
S 5	2 42 48	9°50'36	18° 8	26°16	2°53	20°50	8°29	5°48	16°31	1° 1	4°59	1°45	29♍59	25°56	n.a.	S 5
M 6	2 46 45	10°51'41	3♏ 9	27°44	4° 8	21°35	8°42	5°52	16°35	1° 2	5° 1	1°42	29°56	26° 3	n.a.	M 6
T 7	2 50 41	11°52'48	18°23	29°11	5°22	22°21	8°56	5°57	16°38	1° 3	5° 2	1°37	29°53	26° 9	n.a.	T 7
W 8	2 54 38	12°53'56	3♐39	0♐37	6°37	23° 6	9° 9	6° 1	16°42	1° 4	5° 3	1°31	29°50	26°16	n.a.	W 8
T 9	2 58 34	13°55'04	18°47	2° 2	7°52	23°52	9°23	6° 5	16°46	1° 5	5° 4	1°24	29°46	26°23	n.a.	T 9
F 10	3 2 31	14°56'13	3♑36	3°26	9° 7	24°38	9°36	6° 9	16°49	1° 5	5° 6	1°18	29°43	26°29	n.a.	F 10
S 11	3 6 27	15°57'22	18° 0	4°48	10°21	25°23	9°50	6°13	16°53	1° 6	5° 7	1°13	29°40	26°36	n.a.	S 11
S 12	3 10 24	16°58'32	1♒57	6° 9	11°36	26° 9	10° 4	6°17	16°57	1° 7	5° 8	1° 9	29°37	26°43	n.a.	S 12
M13	3 14 21	17°59'42	15°26	7°28	12°51	26°55	10°17	6°21	17° 0	1° 8	5°10	1°D 8	29°34	26°50	n.a.	M13
T 14	3 18 17	19° 0'53	28°30	8°45	14° 5	27°40	10°31	6°25	17° 4	1° 9	5°11	1° 9	29°31	26°56	n.a.	T 14
W15	3 22 14	20° 2'04	11♓12	9°59	15°20	28°26	10°44	6°29	17° 8	1°10	5°13	1°10	29°27	27° 3	n.a.	W15
T 16	3 26 10	21° 3'15	23°37	11° 9	16°34	29°12	10°58	6°32	17°11	1°10	5°14	1°11	29°24	27°10	n.a.	T 16
F 17	3 30 7	22° 4'26	5♈48	12°16	17°49	29°58	11°11	6°36	17°15	1°11	5°15	1°R11	29°21	27°16	n.a.	F 17
S 18	3 34 3	23° 5'38	17°50	13°19	19° 4	0♐44	11°24	6°39	17°19	1°12	5°17	1°10	29°18	27°23	n.a.	S 18
S 19	3 38 0	24° 6'51	29°46	14°17	20°18	1°30	11°38	6°42	17°22	1°12	5°18	1° 5	29°15	27°30	n.a.	S 19
M20	3 41 56	25° 8'03	11♉38	15°10	21°33	2°16	11°51	6°46	17°26	1°13	5°20	0°59	29°12	27°37	n.a.	M20
T 21	3 45 53	26° 9'16	23°30	15°56	22°47	3° 2	12° 5	6°49	17°30	1°13	5°22	0°50	29° 8	27°43	n.a.	T 21
W22	3 49 50	27°10'29	5♊21	16°35	24° 2	3°48	12°18	6°52	17°33	1°14	5°23	0°39	29° 5	27°50	n.a.	W22
T 23	3 53 46	28°11'43	17°14	17° 6	25°16	4°34	12°31	6°55	17°37	1°14	5°25	0°27	29° 2	27°57	n.a.	T 23
F 24	3 57 43	29°12'57	29°11	17°28	26°31	5°20	12°45	6°57	17°41	1°15	5°26	0°15	28°59	28° 3	n.a.	F 24
S 25	4 1 39	0♐14'12	11♋12	17°40	27°45	6° 7	12°58	7° 0	17°44	1°15	5°28	0° 5	28°56	28°10	n.a.	S 25
S 26	4 5 36	1°15'26	23°21	17°R41	29° 0	6°53	13°11	7° 3	17°48	1°16	5°29	29♍56	28°52	28°17	n.a.	S 26
M27	4 9 32	2°16'41	5♌39	17°32	0♑14	7°39	13°24	7° 5	17°52	1°16	5°31	29°50	28°49	28°23	n.a.	M27
T 28	4 13 29	3°17'57	18°11	17°10	1°28	8°26	13°38	7° 8	17°55	1°16	5°33	29°46	28°46	28°30	n.a.	T 28
W29	4 17 25	4°19'13	0♍59	16°36	2°43	9°12	13°51	7°10	17°59	1°17	5°34	29°D45	28°43	28°37	n.a.	W29
T 30	4 21 22	5♐20'29	14♍ 9	15♐51	3♑57	9♐58	14♏ 4	7♍12	18♏ 2	1♍17	5♑36	29♍45	28♍40	28♉44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13s36	11n10	3s20	20s 1	2s 4	20s44	0s50	17s46	0s27	13s28	0n47	11n30	2n 2	16s42	0n12	12n28	1n17	28s18	4s41	0s41	0s 5	15n15		n.a.
T 2	13 56	7 29	2 19	20 28	2 7	21 3	0 52	18 0	0 28	13 32	0 47	11 28	2 2	16 43	0 12	12 28	1 18	28 18	4 41	0 42	0 4	15 16		n.a.
F 3	14 16	3 17	1 8	20 55	2 10	21 21	0 55	18 13	0 28	13 37	0 47	11 26	2 2	16 44	0 12	12 28	1 18	28 18	4 41	0 42	0 2	15 17		n.a.
S 4	14 36	1s15	0n 9	21 20	2 13	21 39	0 57	18 26	0 29	13 41	0 46	11 25	2 3	16 45	0 12	12 27	1 18	28 18	4 40	0 42	0 1	15 18		n.a.
S 5	14 56	5 50	1 28	21 44	2 15	21 57	0 59	18 38	0 29	13 46	0 46	11 23	2 3	16 46	0 12	12 27	1 18	28 18	4 40	0 42	0n 0	15 19		n.a.
M 6	15 15	10 10	2 42	22 6	2 17	22 13	1 1	18 51	0 30	13 50	0 46	11 22	2 3	16 47	0 12	12 27	1 18	28 17	4 40	0 41	0 2	15 20		n.a.
T 7	15 35	13 53	3 46	22 28	2 19	22 29	1 4	19 4	0 31	13 55	0 46	11 21	2 3	16 48	0 12	12 26	1 18	28 17	4 40	0 39	0 3	15 21		n.a.
W 8	15 53	16 39	4 34	22 47	2 20	22 45	1 6	19 16	0 31	13 59	0 46	11 19	2 4	16 49	0 12	12 26	1 18	28 17	4 40	0 36	0 4	15 22		n.a.
T 9	16 12	18 13	5 2	23 6	2 20	23 0	1 8	19 28	0 32	14 4	0 46	11 18	2 4	16 51	0 12	12 26	1 18	28 17	4 40	0 34	0 5	15 23		n.a.
F 10	16 30	18 31	5 9	23 22	2 20	23 14	1 10	19 40	0 32	14 8	0 46	11 17	2 4	16 52	0 12	12 25	1 18	28 17	4 40	0 31	0 7	15 24		n.a.
S 11	16 48	17 36	4 56	23 38	2 19	23 27	1 12	19 52	0 33	14 12	0 46	11 15	2 4	16 53	0 12	12 25	1 18	28 17	4 40	0 29	0 8	15 25		n.a.
S 12	17 6	15 38	4 26	23 51	2 18	23 40	1 14	20 3	0 33	14 17	0 46	11 14	2 5	16 54	0 12	12 25	1 18	28 17	4 40	0 28	0 9	15 26		n.a.
M13	17 23	12 52	3 42	24 3	2 16	23 52	1 16	20 15	0 34	14 21	0 46	11 13	2 5	16 55	0 12	12 25	1 18	28 17	4 40	0 27	0 11	15 28		n.a.
T 14	17 41	9 31	2 47	24 13	2 14	24 3	1 18	20 26	0 35	14 25	0 46	11 12	2 5	16 56	0 12	12 24	1 18	28 17	4 40	0 28	0 12	15 29		n.a.
W15	17 57	5 49	1 46	24 21	2 10	24 13	1 20	20 37	0 35	14 30	0 46	11 11	2 5	16 57	0 12	12 24	1 18	28 17	4 40	0 28	0 13	15 30		n.a.
T 16	18 14	1 56	0 41	24 27	2 6	24 23	1 22	20 48	0 36	14 34	0 46	11 9	2 6	16 58	0 12	12 24	1 18	28 17	4 40	0 29	0 14	15 31		n.a.
F 17	18 30	1n57	0s25	24 31	2 0	24 32	1 24	20 58	0 36	14 38	0 46	11 8	2 6	16 59	0 12	12 24	1 18	28 17	4 40	0 29	0 16	15 32		n.a.
S 18	18 46	5 43	1 28	24 33	1 54	24 41	1 25	21 8	0 37	14 42	0 46	11 7	2 6	17 0	0 12	12 24	1 18	28 17	4 40	0 28	0 17	15 33		n.a.
S 19	19 1	9 13	2 27	24 33	1 47	24 48	1 27	21 19	0 37	14 47	0 45	11 6	2 6	17 1	0 12	12 23	1 18	28 16	4 40	0 26	0 18	15 34		n.a.
M20	19 16	12 20	3 19	24 30	1 38	24 55	1 29	21 28	0 38	14 51	0 45	11 5	2 7	17 2	0 12	12 23	1 18	28 16	4 40	0 24	0 20	15 35		n.a.
T 21	19 31	14 57	4 3	24 26	1 28	25 1	1 30	21 38	0 38	14 55	0 45	11 4	2 7	17 3	0 12	12 23	1 19	28 16	4 40	0 20	0 21	15 36		n.a.
W22	19 45	16 56	4 35	24 19	1 17	25 6	1 32	21 48	0 39	14 59	0 45	11 4	2 7	17 4	0 12	12 23	1 19	28 16	4 40	0 16	0 22	15 37		n.a.
T 23	19 59	18 11	4 56	24 10	1 5	25 11	1 33	21 57	0 40	15 3	0 45	11 3	2 7	17 5	0 12	12 23	1 19	28 16	4 40	0 11	0 23	15 38		n.a.
F 24	20 13	18 39	5 4	23 58	0 51	25 15	1 34	22 6	0 40	15 8	0 45	11 2	2 8	17 6	0 12	12 23	1 19	28 16	4 40	0 6	0 25	15 39		n.a.
S 25	20 26	18 17	4 58	23 44	0 36	25 18	1 36	22 15	0 41	15 12	0 45	11 1	2 8	17 7	0 12	12 23	1 19	28 16	4 40	0 2	0 26	15 40		n.a.
S 26	20 39	17 5	4 39	23 28	0 20	25 20	1 37	22 23	0 41	15 16	0 45	11 0	2 8	17 8	0 12	12 23	1 19	28 16	4 40	0n 2	0 27	15 41		n.a.
M27	20 51	15 5	4 7	23 10	0 2	25 21	1 38	22 31	0 42	15 20	0 45	11 0	2 9	17 9	0 12	12 23	1 19	28 16	4 40	0 4	0 28	15 42		n.a.
T 28	21 4	12 21	3 23	22 49	0n16	25 22	1 39	22 40	0 42	15 24	0 45	10 59	2 9	17 10	0 12	12 22	1 19	28 16	4 40	0 6	0 30	15 43		n.a.
W29	21 15	8 58	2 27	22 27	0 35	25 22	1 40	22 47	0 43	15 28	0 45	10 58	2 9	17 11	0 12	12 22	1 19	28 16	4 40	0 6	0 31	15 44		n.a.
T 30	21s26	5n 3	1s22	22s 2	0n55	25s21	1s41	22s55	0s43	15s32	0n45	10n58	2n 9	17s13	0n12	12n22	1n19	28s16	4s40	0n 6	0n32	15n45		n.a.

Julian Day Number = 1648312.5, Delta T = 03h32m27s
Ecliptic obliquity = 23°43'01, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°49'56, Lahiri = - 6°42'55 Julian Calendar 1 Nov. 201 BCE == Greg. Calendar 29 Oct. 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 201 BCE
geocentric

DECEMBER 201 BCE (-200) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 25 19	6♐21'45	27♍44	14°R56	5♑11	10♐45	14♏17	7♍14	18♏ 6	1♍17	5♑38	29°R46	28♍37	28♉50	n.a.	F 1
S 2	4 29 15	7°23'02	11♎45	13♐51	6°26	11°31	14°30	7°16	18° 9	1°17	5°39	29♍45	28°33	28°57	n.a.	S 2
S 3	4 33 12	8°24'19	26°14	12°38	7°40	12°18	14°43	7°18	18°13	1°17	5°41	29°43	28°30	29° 4	n.a.	S 3
M 4	4 37 8	9°25'36	11♏ 7	11°20	8°54	13° 4	14°56	7°20	18°16	1°17	5°43	29°37	28°27	29°10	n.a.	M 4
T 5	4 41 5	10°26'53	26°19	10° 0	10° 8	13°51	15° 9	7°22	18°20	1°17	5°45	29°29	28°24	29°17	n.a.	T 5
W 6	4 45 1	11°28'10	11♐38	8°39	11°22	14°38	15°22	7°23	18°23	1°17	5°46	29°19	28°21	29°24	n.a.	W 6
T 7	4 48 58	12°29'27	26°54	7°21	12°37	15°24	15°35	7°25	18°27	1°R17	5°48	29° 8	28°18	29°30	n.a.	T 7
F 8	4 52 55	13°30'43	11♑56	6° 8	13°51	16°11	15°48	7°26	18°30	1°17	5°50	28°57	28°14	29°37	n.a.	F 8
S 9	4 56 51	14°31'59	26°35	5° 1	15° 5	16°58	16° 0	7°28	18°34	1°17	5°52	28°48	28°11	29°44	n.a.	S 9
S 10	5 0 48	15°33'15	10♒44	4° 3	16°19	17°44	16°13	7°29	18°37	1°17	5°53	28°41	28° 8	29°51	n.a.	S 10
M11	5 4 44	16°34'29	24°23	3°13	17°33	18°31	16°26	7°30	18°40	1°17	5°55	28°37	28° 5	29°57	n.a.	M11
T 12	5 8 41	17°35'43	7♓33	2°34	18°47	19°18	16°38	7°31	18°44	1°17	5°57	28°35	28° 2	0♊ 4	n.a.	T 12
W13	5 12 37	18°36'56	20°17	2° 4	20° 1	20° 5	16°51	7°32	18°47	1°17	5°59	28°D34	27°58	0°11	n.a.	W13
T 14	5 16 34	19°38'08	2♈40	1°44	21°15	20°52	17° 3	7°32	18°50	1°17	6° 1	28°R34	27°55	0°17	n.a.	T 14
F 15	5 20 30	20°39'20	14°48	1°33	22°28	21°39	17°16	7°33	18°54	1°16	6° 3	28°34	27°52	0°24	n.a.	F 15
S 16	5 24 27	21°40'30	26°45	1°D31	23°42	22°25	17°28	7°34	18°57	1°16	6° 4	28°31	27°49	0°31	n.a.	S 16
S 17	5 28 24	22°41'40	8♉36	1°38	24°56	23°12	17°41	7°34	19° 0	1°16	6° 6	28°25	27°46	0°38	n.a.	S 17
M18	5 32 20	23°42'49	20°26	1°52	26°10	23°59	17°53	7°34	19° 3	1°15	6° 8	28°16	27°43	0°44	n.a.	M18
T 19	5 36 17	24°43'57	2♊16	2°13	27°23	24°46	18° 5	7°35	19° 6	1°15	6°10	28° 5	27°39	0°51	n.a.	T 19
W20	5 40 13	25°45'04	14°10	2°40	28°37	25°33	18°17	7°R35	19°10	1°14	6°12	27°51	27°36	0°58	n.a.	W20
T 21	5 44 10	26°46'10	26° 9	3°14	29°51	26°20	18°29	7°35	19°13	1°14	6°14	27°36	27°33	1° 4	n.a.	T 21
F 22	5 48 6	27°47'16	8♋13	3°52	1♒ 4	27° 7	18°41	7°35	19°16	1°13	6°16	27°21	27°30	1°11	n.a.	F 22
S 23	5 52 3	28°48'21	20°25	4°36	2°18	27°54	18°53	7°34	19°19	1°13	6°17	27° 7	27°27	1°18	n.a.	S 23
S 24	5 55 59	29°49'25	2♌44	5°24	3°31	28°41	19° 5	7°34	19°22	1°12	6°19	26°56	27°24	1°25	n.a.	S 24
M25	5 59 56	0♑50'28	15°12	6°15	4°44	29°29	19°17	7°34	19°25	1°12	6°21	26°47	27°20	1°31	n.a.	M25
T 26	6 3 53	1°51'30	27°51	7°10	5°58	0♑16	19°29	7°33	19°28	1°11	6°23	26°42	27°17	1°38	n.a.	T 26
W27	6 7 49	2°52'32	10♍44	8° 9	7°11	1° 3	19°40	7°32	19°31	1°10	6°25	26°40	27°14	1°45	n.a.	W27
T 28	6 11 46	3°53'32	23°52	9°10	8°24	1°50	19°52	7°32	19°34	1°10	6°27	26°D39	27°11	1°51	n.a.	T 28
F 29	6 15 42	4°54'32	7♎20	10°14	9°37	2°37	20° 4	7°31	19°37	1° 9	6°29	26°R39	27° 8	1°58	n.a.	F 29
S 30	6 19 39	5°55'32	21° 9	11°20	10°50	3°24	20°15	7°30	19°39	1° 8	6°31	26°38	27° 4	2° 5	n.a.	S 30
S 31	6 23 35	6♑56'30	5♏22	12♐29	12♒ 3	4♑11	20♏26	7♍29	19♏42	1♍ 7	6♑33	26♍36	27♍ 1	2♊12	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s37	0n45	0s11	21s36	1n15	25s19	1s42	23s 2	0s44	15s36	0n45	10n57	2n10	17s14	0n12	12n22	1n19	28s16	4s40	0n 6	0n34	15n46		n.a.
S 2	21 48	3s44	1n 3	21 9	1 35	25 17	1 43	23 9	0 44	15 40	0 45	10 57	2 10	17 15	0 12	12 22	1 19	28 16	4 40	0 6	0 35	15 47		n.a.
S 3	21 58	8 8	2 16	20 41	1 54	25 13	1 44	23 16	0 45	15 44	0 45	10 56	2 10	17 15	0 12	12 22	1 19	28 16	4 40	0 7	0 36	15 48		n.a.
M 4	22 7	12 9	3 21	20 13	2 12	25 9	1 45	23 23	0 45	15 47	0 45	10 56	2 10	17 16	0 12	12 22	1 19	28 15	4 40	0 9	0 37	15 49		n.a.
T 5	22 16	15 27	4 13	19 46	2 28	25 4	1 45	23 29	0 46	15 51	0 45	10 55	2 11	17 17	0 12	12 22	1 19	28 15	4 40	0 12	0 39	15 50		n.a.
W 6	22 25	17 42	4 47	19 20	2 42	24 59	1 46	23 35	0 46	15 55	0 45	10 55	2 11	17 18	0 12	12 22	1 19	28 15	4 40	0 17	0 40	15 51		n.a.
T 7	22 33	18 40	5 1	18 56	2 54	24 52	1 46	23 41	0 47	15 59	0 45	10 55	2 11	17 19	0 12	12 22	1 19	28 15	4 40	0 21	0 41	15 52		n.a.
F 8	22 41	18 18	4 54	18 34	3 3	24 45	1 47	23 46	0 47	16 3	0 45	10 55	2 12	17 20	0 12	12 23	1 19	28 15	4 40	0 25	0 42	15 53		n.a.
S 9	22 48	16 43	4 27	18 16	3 10	24 37	1 47	23 52	0 48	16 6	0 45	10 54	2 12	17 21	0 12	12 23	1 19	28 15	4 40	0 29	0 44	15 54		n.a.
S 10	22 55	14 8	3 45	18 0	3 15	24 29	1 47	23 57	0 48	16 10	0 45	10 54	2 12	17 22	0 12	12 23	1 20	28 15	4 40	0 32	0 45	15 55		n.a.
M11	23 2	10 52	2 51	17 49	3 18	24 20	1 47	24 1	0 49	16 14	0 45	10 54	2 12	17 23	0 12	12 23	1 20	28 15	4 40	0 34	0 46	15 56		n.a.
T 12	23 8	7 9	1 49	17 41	3 18	24 9	1 48	24 6	0 49	16 18	0 45	10 54	2 13	17 24	0 12	12 23	1 20	28 15	4 40	0 34	0 48	15 57		n.a.
W13	23 13	3 13	0 44	17 36	3 17	23 59	1 48	24 10	0 49	16 21	0 45	10 54	2 13	17 25	0 12	12 23	1 20	28 15	4 40	0 34	0 49	15 58		n.a.
T 14	23 18	0n44	0s22	17 35	3 14	23 47	1 48	24 14	0 50	16 25	0 45	10 54	2 13	17 26	0 12	12 23	1 20	28 15	4 41	0 34	0 50	15 59		n.a.
F 15	23 23	4 36	1 25	17 37	3 9	23 35	1 47	24 17	0 50	16 28	0 45	10 54	2 14	17 27	0 12	12 23	1 20	28 15	4 41	0 35	0 51	16 0		n.a.
S 16	23 27	8 12	2 23	17 42	3 4	23 22	1 47	24 21	0 51	16 32	0 45	10 54	2 14	17 28	0 12	12 23	1 20	28 15	4 41	0 36	0 53	16 1		n.a.
S 17	23 31	11 28	3 15	17 50	2 57	23 8	1 47	24 24	0 51	16 35	0 45	10 54	2 14	17 29	0 12	12 24	1 20	28 15	4 41	0 38	0 54	16 2		n.a.
M18	23 34	14 15	3 57	18 0	2 50	22 54	1 46	24 26	0 52	16 39	0 44	10 54	2 14	17 30	0 12	12 24	1 20	28 15	4 41	0 42	0 55	16 3		n.a.
T 19	23 37	16 27	4 30	18 11	2 42	22 39	1 46	24 29	0 52	16 42	0 44	10 54	2 15	17 30	0 12	12 24	1 20	28 15	4 41	0 46	0 57	16 4		n.a.
W20	23 39	17 57	4 51	18 25	2 34	22 24	1 45	24 31	0 53	16 46	0 44	10 55	2 15	17 31	0 12	12 24	1 20	28 15	4 41	0 52	0 58	16 5		n.a.
T 21	23 41	18 41	4 59	18 40	2 25	22 7	1 45	24 33	0 53	16 49	0 44	10 55	2 15	17 32	0 12	12 24	1 20	28 15	4 41	0 58	0 59	16 6		n.a.
F 22	23 42	18 34	4 54	18 56	2 16	21 51	1 44	24 34	0 53	16 52	0 44	10 55	2 16	17 33	0 12	12 25	1 20	28 15	4 41	1 4	1 0	16 7		n.a.
S 23	23 43	17 36	4 35	19 13	2 7	21 33	1 43	24 36	0 54	16 56	0 44	10 55	2 16	17 34	0 12	12 25	1 20	28 15	4 41	1 9	1 2	16 8		n.a.
S 24	23 43	15 49	4 4	19 31	1 58	21 15	1 42	24 37	0 54	16 59	0 44	10 56	2 16	17 35	0 12	12 25	1 20	28 15	4 41	1 14	1 3	16 9		n.a.
M25	23 43	13 17	3 20	19 49	1 48	20 56	1 41	24 37	0 55	17 2	0 44	10 56	2 16	17 36	0 12	12 25	1 20	28 14	4 41	1 17	1 4	16 10		n.a.
T 26	23 42	10 5	2 26	20 8	1 39	20 37	1 40	24 38	0 55	17 6	0 44	10 57	2 17	17 36	0 12	12 26	1 20	28 14	4 41	1 20	1 5	16 11		n.a.
W27	23 41	6 21	1 23	20 27	1 29	20 17	1 39	24 38	0 55	17 9	0 44	10 57	2 17	17 37	0 12	12 26	1 20	28 14	4 41	1 21	1 7	16 12		n.a.
T 28	23 40	2 14	0 15	20 46	1 20	19 57	1 38	24 38	0 56	17 12	0 44	10 58	2 17	17 38	0 12	12 26	1 20	28 14	4 41	1 21	1 8	16 13		n.a.
F 29	23 37	2s 5	0n56	21 5	1 10	19 36	1 37	24 37	0 56	17 15	0 44	10 58	2 18	17 39	0 12	12 27	1 21	28 14	4 41	1 21	1 9	16 14		n.a.
S 30	23 35	6 24	2 6	21 23	1 1	19 14	1 35	24 37	0 56	17 18	0 44	10 59	2 18	17 40	0 12	12 27	1 21	28 14	4 41	1 21	1 11	16 15		n.a.
S 31	23s32	10s29	3n 9	21s42	0n52	18s52	1s34	24s36	0s57	17s21	0n44	11n 0	2n18	17s40	0n12	12n27	1n21	28s14	4s42	1n22	1n12	16n16		n.a.

Julian Day Number = 1648342.5, Delta T = 03h32m26s
Ecliptic obliquity = 23°43'00, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 5°49'52, Lahiri = - 6°42'51 Julian Calendar 1 Dec. 201 BCE == Greg. Calendar 28 Nov. 201 BCE

The year -200 astronomical counting style corresponds to year 201 B.C.E historical counting style.

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