Astrodienst Ephemeris Tables

from the year 500 BCE for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

JANUARY 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 18 39	5♉49'57	6♉ 8	9♉ 8	20♏17	2°R53	6°R12	18°R45	5♈55	0♏36	5°R24	11°R14	9♏39	3♋52	n.a.	T 1
F 2	6 22 36	6°50'49	18°14	10°54	21° 9	2♋29	6♌ 6	18♊40	5°55	0°37	5♍23	11♏13	9°36	3°59	n.a.	F 2
S 3	6 26 32	7°51'39	0♊12	12°41	22° 2	2° 5	6° 0	18°36	5°56	0°38	5°23	11°11	9°33	4° 5	n.a.	S 3
S 4	6 30 29	8°52'27	12° 4	14°29	22°56	1°42	5°54	18°31	5°57	0°39	5°22	11° 7	9°30	4°12	n.a.	S 4
M 5	6 34 26	9°53'14	23°55	16°16	23°50	1°18	5°47	18°27	5°57	0°40	5°21	10°59	9°27	4°19	n.a.	M 5
T 6	6 38 22	10°53'59	5♋45	18° 5	24°45	0°55	5°41	18°22	5°58	0°41	5°21	10°50	9°24	4°25	n.a.	T 6
W 7	6 42 19	11°54'43	17°37	19°53	25°40	0°33	5°34	18°18	5°59	0°42	5°20	10°38	9°20	4°32	n.a.	W 7
T 8	6 46 15	12°55'26	29°33	21°42	26°36	0°11	5°28	18°14	6° 0	0°43	5°19	10°26	9°17	4°39	n.a.	T 8
F 9	6 50 12	13°56'07	11♌33	23°31	27°32	29♊49	5°21	18° 9	6° 1	0°44	5°18	10°13	9°14	4°46	n.a.	F 9
S 10	6 54 8	14°56'46	23°39	25°19	28°29	29°27	5°14	18° 5	6° 2	0°45	5°17	10° 2	9°11	4°52	n.a.	S 10
S 11	6 58 5	15°57'24	5♍53	27° 8	29°27	29° 7	5° 7	18° 1	6° 3	0°46	5°16	9°53	9° 8	4°59	n.a.	S 11
M12	7 2 1	16°58'01	18°18	28°55	0♐25	28°46	5° 0	17°57	6° 4	0°47	5°15	9°47	9° 4	5° 6	n.a.	M12
T 13	7 5 58	17°58'36	0♎56	0♒42	1°23	28°26	4°53	17°53	6° 6	0°48	5°14	9°43	9° 1	5°12	n.a.	T 13
W14	7 9 55	18°59'10	13°51	2°27	2°22	28° 7	4°45	17°49	6° 7	0°49	5°13	9°D41	8°58	5°19	n.a.	W14
T 15	7 13 51	19°59'42	27° 7	4°11	3°22	27°48	4°38	17°46	6° 8	0°49	5°12	9°42	8°55	5°26	n.a.	T 15
F 16	7 17 48	21° 0'14	10♏47	5°53	4°22	27°30	4°31	17°42	6°10	0°50	5°11	9°R42	8°52	5°32	n.a.	F 16
S 17	7 21 44	22° 0'43	24°53	7°32	5°22	27°13	4°23	17°38	6°11	0°51	5°10	9°41	8°49	5°39	n.a.	S 17
S 18	7 25 41	23° 1'12	9♐24	9° 9	6°22	26°56	4°16	17°35	6°12	0°51	5° 9	9°38	8°45	5°46	n.a.	S 18
M19	7 29 37	24° 1'39	24°18	10°41	7°23	26°40	4° 8	17°31	6°14	0°52	5° 8	9°32	8°42	5°53	n.a.	M19
T 20	7 33 34	25° 2'04	9♑28	12°10	8°24	26°25	4° 0	17°28	6°16	0°53	5° 7	9°24	8°39	5°59	n.a.	T 20
W21	7 37 30	26° 2'27	24°45	13°34	9°26	26°10	3°53	17°24	6°17	0°53	5° 6	9°13	8°36	6° 6	n.a.	W21
T 22	7 41 27	27° 2'49	9♒56	14°52	10°28	25°56	3°45	17°21	6°19	0°54	5° 5	9° 2	8°33	6°13	n.a.	T 22
F 23	7 45 24	28° 3'09	24°52	16° 4	11°30	25°43	3°37	17°18	6°20	0°54	5° 3	8°51	8°30	6°19	n.a.	F 23
S 24	7 49 20	29° 3'26	9♓24	17°10	12°33	25°31	3°29	17°15	6°22	0°55	5° 2	8°42	8°26	6°26	n.a.	S 24
S 25	7 53 17	0♒ 3'41	23°27	18° 8	13°36	25°20	3°21	17°12	6°24	0°55	5° 1	8°35	8°23	6°33	n.a.	S 25
M26	7 57 13	1° 3'55	6♈59	18°58	14°39	25° 9	3°14	17° 9	6°26	0°56	4°59	8°31	8°20	6°39	n.a.	M26
T 27	8 1 10	2° 4'06	20° 3	19°40	15°42	24°59	3° 6	17° 6	6°28	0°56	4°58	8°29	8°17	6°46	n.a.	T 27
W28	8 5 6	3° 4'14	2♉42	20°13	16°46	24°50	2°58	17° 4	6°30	0°56	4°57	8°29	8°14	6°53	n.a.	W28
T 29	8 9 3	4° 4'21	15° 1	20°37	17°50	24°42	2°50	17° 1	6°31	0°57	4°56	8°29	8°10	7° 0	n.a.	T 29
F 30	8 12 59	5° 4'25	27° 5	20°52	18°54	24°34	2°42	16°59	6°33	0°57	4°54	8°28	8° 7	7° 6	n.a.	F 30
S 31	8 16 56	6♒ 4'28	9♊ 0	20°R57	19♐58	24♊27	2♌34	16♊56	6♈36	0♏57	4♍53	8♏25	8♏ 4	7♋13	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23s37	14n10	0n27	25s27	2s 1	13s58	4n14	27n53	4n10	20n10	1n14	22n43	0s33	1n48	0s37	10s 3	1n55	25n27	17n 7	15s24	14s54	19n31			n.a.
F 2	23 34	16 53	0s38	25 17	2 0	14 14	4 12	27 54	4 10	20 11	1 14	22 43	0 33	1 49	0 37	10 3	1 55	25 27	17 7	15 24	14 53	19 31			n.a.
S 3	23 31	18 50	1 40	25 6	1 58	14 29	4 11	27 55	4 11	20 13	1 14	22 43	0 33	1 49	0 37	10 3	1 55	25 28	17 8	15 23	14 52	19 30			n.a.
S 4	23 27	19 56	2 37	24 53	1 56	14 44	4 9	27 56	4 11	20 15	1 15	22 42	0 33	1 49	0 37	10 4	1 55	25 29	17 8	15 21	14 51	19 29			n.a.
M 5	23 23	20 9	3 28	24 38	1 54	15 0	4 7	27 57	4 12	20 17	1 15	22 42	0 33	1 50	0 37	10 4	1 55	25 29	17 9	15 19	14 50	19 28			n.a.
T 6	23 18	19 29	4 9	24 20	1 51	15 15	4 4	27 57	4 12	20 19	1 15	22 42	0 32	1 50	0 37	10 4	1 55	25 30	17 9	15 16	14 49	19 28			n.a.
W 7	23 13	17 58	4 39	24 1	1 47	15 31	4 2	27 57	4 12	20 20	1 15	22 42	0 32	1 51	0 37	10 5	1 55	25 31	17 10	15 12	14 48	19 27			n.a.
T 8	23 7	15 40	4 57	23 40	1 42	15 46	4 0	27 57	4 12	20 22	1 15	22 41	0 32	1 51	0 37	10 5	1 55	25 32	17 10	15 8	14 47	19 26			n.a.
F 9	23 1	12 42	5 3	23 16	1 37	16 1	3 57	27 57	4 12	20 24	1 16	22 41	0 32	1 51	0 37	10 5	1 55	25 33	17 11	15 5	14 46	19 25			n.a.
S 10	22 54	9 11	4 54	22 51	1 31	16 17	3 54	27 57	4 12	20 26	1 16	22 41	0 32	1 52	0 37	10 5	1 55	25 33	17 11	15 1	14 45	19 25			n.a.
S 11	22 47	5 15	4 33	22 24	1 25	16 32	3 51	27 57	4 12	20 28	1 16	22 41	0 32	1 52	0 37	10 6	1 55	25 34	17 12	14 58	14 44	19 24			n.a.
M12	22 40	1 3	3 58	21 55	1 18	16 47	3 48	27 56	4 12	20 30	1 16	22 40	0 32	1 53	0 37	10 6	1 55	25 35	17 12	14 56	14 43	19 23			n.a.
T 13	22 32	3s17	3 11	21 24	1 10	17 2	3 45	27 56	4 11	20 32	1 16	22 40	0 31	1 53	0 37	10 6	1 55	25 36	17 13	14 55	14 41	19 22			n.a.
W14	22 23	7 34	2 13	20 51	1 1	17 17	3 42	27 55	4 11	20 34	1 17	22 40	0 31	1 54	0 37	10 6	1 55	25 37	17 13	14 54	14 40	19 22			n.a.
T 15	22 15	11 37	1 6	20 18	0 51	17 31	3 39	27 54	4 10	20 36	1 17	22 40	0 31	1 54	0 37	10 7	1 55	25 37	17 14	14 54	14 39	19 21			n.a.
F 16	22 5	15 10	0n 6	19 42	0 41	17 46	3 35	27 53	4 10	20 38	1 17	22 40	0 31	1 55	0 37	10 7	1 55	25 38	17 14	14 55	14 38	19 20			n.a.
S 17	21 56	17 57	1 20	19 6	0 30	18 0	3 32	27 52	4 9	20 40	1 17	22 39	0 31	1 56	0 37	10 7	1 55	25 39	17 15	14 54	14 37	19 19			n.a.
S 18	21 46	19 40	2 31	18 30	0 18	18 14	3 28	27 51	4 8	20 42	1 17	22 39	0 31	1 56	0 37	10 7	1 56	25 40	17 15	14 53	14 36	19 19			n.a.
M19	21 35	20 5	3 33	17 52	0 6	18 28	3 25	27 50	4 7	20 44	1 17	22 39	0 31	1 57	0 37	10 7	1 56	25 41	17 15	14 51	14 35	19 18			n.a.
T 20	21 24	19 4	4 21	17 15	0n 8	18 41	3 21	27 48	4 6	20 46	1 18	22 39	0 30	1 58	0 37	10 8	1 56	25 41	17 16	14 49	14 34	19 17			n.a.
W21	21 13	16 41	4 52	16 38	0 21	18 54	3 17	27 47	4 5	20 48	1 18	22 39	0 30	1 58	0 37	10 8	1 56	25 42	17 16	14 45	14 33	19 16			n.a.
T 22	21 1	13 9	5 1	16 1	0 36	19 7	3 13	27 45	4 4	20 50	1 18	22 39	0 30	1 59	0 36	10 8	1 56	25 43	17 17	14 42	14 32	19 16			n.a.
F 23	20 49	8 51	4 49	15 25	0 51	19 20	3 9	27 44	4 3	20 52	1 18	22 38	0 30	2 0	0 36	10 8	1 56	25 44	17 17	14 38	14 31	19 15			n.a.
S 24	20 37	4 9	4 19	14 51	1 6	19 32	3 5	27 42	4 2	20 54	1 18	22 38	0 30	2 0	0 36	10 8	1 56	25 45	17 17	14 35	14 30	19 14			n.a.
S 25	20 24	0n38	3 34	14 19	1 21	19 44	3 1	27 41	4 1	20 56	1 18	22 38	0 30	2 1	0 36	10 8	1 56	25 46	17 18	14 33	14 29	19 13			n.a.
M26	20 11	5 14	2 38	13 48	1 37	19 55	2 57	27 39	3 59	20 58	1 18	22 38	0 30	2 2	0 36	10 8	1 56	25 46	17 18	14 32	14 28	19 12			n.a.
T 27	19 58	9 25	1 36	13 20	1 52	20 6	2 53	27 37	3 58	21 0	1 18	22 38	0 29	2 3	0 36	10 8	1 56	25 47	17 19	14 31	14 27	19 12			n.a.
W28	19 44	13 3	0 31	12 55	2 8	20 17	2 49	27 36	3 57	21 1	1 19	22 38	0 29	2 3	0 36	10 8	1 56	25 48	17 19	14 31	14 26	19 11			n.a.
T 29	19 29	16 0	0s35	12 33	2 23	20 27	2 45	27 34	3 55	21 3	1 19	22 38	0 29	2 4	0 36	10 8	1 56	25 49	17 19	14 31	14 25	19 10			n.a.
F 30	19 15	18 12	1 37	12 15	2 37	20 37	2 40	27 32	3 54	21 5	1 19	22 38	0 29	2 5	0 36	10 8	1 56	25 50	17 20	14 31	14 24	19 9			n.a.
S 31	19s 0	19n33	2s34	12s 0	2n51	20s47	2n36	27n30	3n52	21n 7	1n19	22n37	0s29	2n 6	0s36	10s 8	1n56	25n51	17n20	14s30	14s23	19n 8			n.a.

Julian Day Number = 1538798.5, Delta T = 04h39m13s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'42, Lahiri = -10°51'41 Julian Calendar 1 Jan. 500 BCE == Greg. Calendar 27 Dec. 501 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

FEBRUARY 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 20 53	7♒ 4'27	20♊49	20°R54	21♐ 3	24°R22	2°R26	16°R54	6♈38	0♏57	4°R51	8°R19	8♏ 1	7♋20	n.a.	S 1
M 2	8 24 49	8° 4'25	2♋38	20♒41	22° 8	24♊16	2♌19	16♊52	6°40	0°57	4♍50	8♏11	7°58	7°26	n.a.	M 2
T 3	8 28 46	9° 4'21	14°30	20°19	23°13	24°12	2°11	16°50	6°42	0°58	4°48	7°59	7°55	7°33	n.a.	T 3
W 4	8 32 42	10° 4'14	26°26	19°49	24°18	24° 9	2° 3	16°48	6°44	0°58	4°47	7°46	7°51	7°40	n.a.	W 4
T 5	8 36 39	11° 4'05	8♌28	19°13	25°23	24° 6	1°55	16°46	6°46	0°58	4°46	7°32	7°48	7°46	n.a.	T 5
F 6	8 40 35	12° 3'54	20°38	18°29	26°29	24° 4	1°48	16°44	6°49	0°R58	4°44	7°17	7°45	7°53	n.a.	F 6
S 7	8 44 32	13° 3'41	2♍56	17°41	27°35	24° 2	1°40	16°42	6°51	0°58	4°43	7° 4	7°42	8° 0	n.a.	S 7
S 8	8 48 28	14° 3'26	15°23	16°48	28°41	24°D 2	1°33	16°41	6°53	0°58	4°41	6°53	7°39	8° 7	n.a.	S 8
M 9	8 52 25	15° 3'09	27°59	15°52	29°47	24° 2	1°25	16°39	6°56	0°58	4°40	6°46	7°35	8°13	n.a.	M 9
T 10	8 56 22	16° 2'50	10♎47	14°55	0♑53	24° 3	1°18	16°38	6°58	0°58	4°38	6°41	7°32	8°20	n.a.	T 10
W11	9 0 18	17° 2'29	23°49	13°58	2° 0	24° 5	1°10	16°37	7° 0	0°57	4°36	6°39	7°29	8°27	n.a.	W11
T 12	9 4 15	18° 2'07	7♏ 6	13° 1	3° 7	24° 7	1° 3	16°36	7° 3	0°57	4°35	6°D38	7°26	8°33	n.a.	T 12
F 13	9 8 11	19° 1'42	20°41	12° 7	4°13	24°10	0°56	16°35	7° 6	0°57	4°33	6°R38	7°23	8°40	n.a.	F 13
S 14	9 12 8	20° 1'16	4♐36	11°15	5°20	24°14	0°49	16°34	7° 8	0°57	4°32	6°38	7°20	8°47	n.a.	S 14
S 15	9 16 4	21° 0'48	18°51	10°28	6°28	24°18	0°42	16°33	7°11	0°57	4°30	6°35	7°16	8°54	n.a.	S 15
M16	9 20 1	22° 0'18	3♑26	9°45	7°35	24°23	0°35	16°32	7°13	0°56	4°28	6°30	7°13	9° 0	n.a.	M16
T 17	9 23 57	22°59'47	18°15	9° 7	8°42	24°29	0°28	16°32	7°16	0°56	4°27	6°22	7°10	9° 7	n.a.	T 17
W18	9 27 54	23°59'13	3♒12	8°35	9°50	24°35	0°21	16°31	7°19	0°56	4°25	6°12	7° 7	9°14	n.a.	W18
T 19	9 31 51	24°58'37	18° 9	8° 9	10°58	24°42	0°15	16°31	7°21	0°55	4°24	6° 2	7° 4	9°20	n.a.	T 19
F 20	9 35 47	25°57'59	2♓55	7°48	12° 6	24°50	0° 8	16°31	7°24	0°55	4°22	5°51	7° 1	9°27	n.a.	F 20
S 21	9 39 44	26°57'19	17°23	7°34	13°13	24°58	0° 2	16°30	7°27	0°54	4°20	5°42	6°57	9°34	n.a.	S 21
S 22	9 43 40	27°56'36	1♈26	7°26	14°22	25° 7	29♋56	16°D30	7°30	0°54	4°19	5°35	6°54	9°40	n.a.	S 22
M23	9 47 37	28°55'51	15° 2	7°D23	15°30	25°17	29°49	16°31	7°33	0°53	4°17	5°31	6°51	9°47	n.a.	M23
T 24	9 51 33	29°55'04	28°10	7°26	16°38	25°27	29°43	16°31	7°35	0°53	4°15	5°29	6°48	9°54	n.a.	T 24
W25	9 55 30	0♓54'14	10♉54	7°35	17°46	25°38	29°38	16°31	7°38	0°52	4°14	5°D29	6°45	10° 1	n.a.	W25
T 26	9 59 26	1°53'22	23°17	7°49	18°55	25°49	29°32	16°31	7°41	0°52	4°12	5°30	6°41	10° 7	n.a.	T 26
F 27	10 3 23	2°52'28	5♊24	8° 7	20° 3	26° 0	29°26	16°32	7°44	0°51	4°10	5°R30	6°38	10°14	n.a.	F 27
S 28	10 7 19	3♓51'31	17♊21	8♒31	21♉12	26♊13	29♋21	16♊33	7♈47	0♏50	4♍ 9	5♏29	6♏35	10♋21	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	18s45	20n 3	3s24	11s49	3n 3	20s56	2n31	27n29	3n51	21n 9	1n19	22n37	0s29	2n 7	0s36	10s 8	1n56	25n51	17n20	14s28	14s22	19n 8			n.a.
M 2	18 29	19 39	4 5	11 43	3 15	21 4	2 27	27 27	3 49	21 11	1 19	22 37	0 29	2 8	0 36	10 8	1 56	25 52	17 21	14 25	14 21	19 7			n.a.
T 3	18 13	18 24	4 35	11 40	3 25	21 12	2 23	27 25	3 48	21 13	1 19	22 37	0 28	2 8	0 36	10 8	1 57	25 53	17 21	14 21	14 20	19 6			n.a.
W 4	17 57	16 20	4 54	11 41	3 34	21 20	2 18	27 23	3 46	21 15	1 19	22 37	0 28	2 9	0 36	10 8	1 57	25 54	17 21	14 17	14 19	19 5			n.a.
T 5	17 41	13 34	4 59	11 46	3 41	21 27	2 14	27 22	3 45	21 17	1 19	22 37	0 28	2 10	0 36	10 8	1 57	25 55	17 21	14 12	14 18	19 4			n.a.
F 6	17 24	10 12	4 52	11 54	3 46	21 33	2 9	27 20	3 43	21 18	1 19	22 37	0 28	2 11	0 36	10 8	1 57	25 56	17 22	14 7	14 17	19 3			n.a.
S 7	17 7	6 22	4 30	12 6	3 49	21 39	2 5	27 18	3 42	21 20	1 19	22 37	0 28	2 12	0 36	10 8	1 57	25 56	17 22	14 3	14 16	19 3			n.a.
S 8	16 50	2 13	3 56	12 21	3 50	21 45	2 0	27 17	3 40	21 22	1 19	22 37	0 28	2 13	0 36	10 8	1 57	25 57	17 22	14 0	14 15	19 2			n.a.
M 9	16 32	2s 4	3 9	12 38	3 49	21 50	1 56	27 15	3 38	21 24	1 19	22 37	0 27	2 14	0 36	10 8	1 57	25 58	17 22	13 57	14 13	19 1			n.a.
T 10	16 14	6 21	2 12	12 58	3 46	21 54	1 51	27 14	3 37	21 25	1 19	22 37	0 27	2 15	0 36	10 8	1 57	25 59	17 23	13 55	14 12	19 0			n.a.
W11	15 56	10 24	1 7	13 19	3 42	21 58	1 47	27 12	3 35	21 27	1 19	22 37	0 27	2 16	0 36	10 8	1 57	26 0	17 23	13 55	14 11	18 59			n.a.
T 12	15 38	14 1	0n 2	13 42	3 35	22 1	1 42	27 10	3 33	21 29	1 19	22 37	0 27	2 17	0 36	10 8	1 57	26 0	17 23	13 54	14 10	18 58			n.a.
F 13	15 19	16 58	1 14	14 5	3 27	22 4	1 37	27 9	3 32	21 30	1 19	22 37	0 27	2 18	0 36	10 8	1 57	26 1	17 23	13 54	14 9	18 58			n.a.
S 14	15 0	19 0	2 22	14 28	3 17	22 6	1 33	27 7	3 30	21 32	1 19	22 37	0 27	2 19	0 36	10 8	1 57	26 2	17 23	13 54	14 8	18 57			n.a.
S 15	14 41	19 54	3 24	14 52	3 6	22 7	1 28	27 6	3 28	21 33	1 19	22 37	0 27	2 20	0 36	10 7	1 57	26 3	17 24	13 53	14 7	18 56			n.a.
M16	14 21	19 29	4 13	15 15	2 54	22 8	1 24	27 5	3 27	21 35	1 19	22 37	0 26	2 21	0 36	10 7	1 57	26 4	17 24	13 52	14 6	18 55			n.a.
T 17	14 2	17 45	4 47	15 38	2 41	22 9	1 19	27 3	3 25	21 36	1 19	22 38	0 26	2 23	0 36	10 7	1 57	26 4	17 24	13 49	14 5	18 54			n.a.
W18	13 42	14 49	5 1	15 59	2 27	22 8	1 15	27 2	3 23	21 38	1 19	22 38	0 26	2 24	0 36	10 7	1 57	26 5	17 24	13 46	14 4	18 53			n.a.
T 19	13 22	10 55	4 55	16 20	2 13	22 8	1 10	27 0	3 22	21 39	1 19	22 38	0 26	2 25	0 36	10 7	1 58	26 6	17 24	13 42	14 3	18 52			n.a.
F 20	13 2	6 23	4 29	16 39	1 58	22 6	1 6	26 59	3 20	21 41	1 19	22 38	0 26	2 26	0 36	10 7	1 58	26 7	17 24	13 39	14 2	18 52			n.a.
S 21	12 41	1 35	3 46	16 57	1 44	22 4	1 1	26 58	3 18	21 42	1 19	22 38	0 26	2 27	0 36	10 6	1 58	26 7	17 25	13 36	14 1	18 51			n.a.
S 22	12 21	3n11	2 51	17 13	1 29	22 1	0 57	26 56	3 17	21 43	1 19	22 38	0 26	2 28	0 36	10 6	1 58	26 8	17 25	13 33	14 0	18 50			n.a.
M23	12 0	7 38	1 47	17 28	1 15	21 58	0 53	26 55	3 15	21 45	1 19	22 38	0 25	2 29	0 36	10 6	1 58	26 9	17 25	13 32	13 59	18 49			n.a.
T 24	11 39	11 34	0 39	17 41	1 0	21 54	0 48	26 54	3 13	21 46	1 19	22 38	0 25	2 30	0 36	10 6	1 58	26 10	17 25	13 31	13 58	18 48			n.a.
W25	11 18	14 50	0s29	17 53	0 46	21 50	0 44	26 53	3 12	21 47	1 19	22 39	0 25	2 32	0 35	10 5	1 58	26 10	17 25	13 31	13 57	18 47			n.a.
T 26	10 56	17 20	1 34	18 3	0 32	21 45	0 40	26 51	3 10	21 48	1 19	22 39	0 25	2 33	0 35	10 5	1 58	26 11	17 25	13 32	13 56	18 46			n.a.
F 27	10 35	18 59	2 33	18 11	0 18	21 39	0 35	26 50	3 9	21 49	1 19	22 39	0 25	2 34	0 35	10 5	1 58	26 12	17 25	13 32	13 55	18 45			n.a.
S 28	10s13	19n45	3s24	18s17	0n 5	21s33	0n31	26n49	3n 7	21n50	1n19	22n39	0s25	2n35	0s35	10s 5	1n58	26n12	17n25	13s31	13s53	18n44			n.a.

Julian Day Number = 1538829.5, Delta T = 04h39m12s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'37, Lahiri = -10°51'37 Julian Calendar 1 Feb. 500 BCE == Greg. Calendar 27 Jan. 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

MARCH 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 11 16	4♓50'32	29♊12	8♒59	22♉21	26♊26	29°R15	16♊33	7♈50	0°R50	4°R 7	5°R26	6♏32	10♋27	n.a.	S 1
M 2	10 15 13	5°49'30	11♋ 2	9°32	23°30	26°39	29♋10	16°34	7°53	0♏49	4♍ 5	5♏20	6°29	10°34	n.a.	M 2
T 3	10 19 9	6°48'26	22°56	10° 9	24°38	26°53	29° 5	16°35	7°56	0°48	4° 4	5°13	6°26	10°41	n.a.	T 3
W 4	10 23 6	7°47'20	4♌57	10°49	25°47	27° 7	29° 1	16°36	7°59	0°47	4° 2	5° 3	6°22	10°48	n.a.	W 4
T 5	10 27 2	8°46'11	17° 7	11°34	26°57	27°22	28°56	16°37	8° 2	0°46	4° 0	4°53	6°19	10°54	n.a.	T 5
F 6	10 30 59	9°45'00	29°27	12°21	28° 6	27°37	28°51	16°39	8° 6	0°46	3°59	4°42	6°16	11° 1	n.a.	F 6
S 7	10 34 55	10°43'47	11♍59	13°13	29°15	27°53	28°47	16°40	8° 9	0°45	3°57	4°33	6°13	11° 8	n.a.	S 7
S 8	10 38 52	11°42'32	24°43	14° 7	0♒24	28° 9	28°43	16°42	8°12	0°44	3°55	4°25	6°10	11°14	n.a.	S 8
M 9	10 42 48	12°41'14	7♎39	15° 4	1°34	28°26	28°39	16°43	8°15	0°43	3°54	4°19	6° 7	11°21	n.a.	M 9
T 10	10 46 45	13°39'55	20°46	16° 4	2°43	28°43	28°35	16°45	8°18	0°42	3°52	4°16	6° 3	11°28	n.a.	T 10
W11	10 50 41	14°38'34	4♏ 4	17° 7	3°53	29° 0	28°31	16°47	8°21	0°41	3°51	4°D15	6° 0	11°35	n.a.	W11
T 12	10 54 38	15°37'11	17°34	18°13	5° 2	29°18	28°28	16°49	8°25	0°40	3°49	4°16	5°57	11°41	n.a.	T 12
F 13	10 58 35	16°35'47	1♐17	19°21	6°12	29°36	28°24	16°51	8°28	0°39	3°47	4°17	5°54	11°48	n.a.	F 13
S 14	11 2 31	17°34'20	15°13	20°31	7°22	29°55	28°21	16°53	8°31	0°38	3°46	4°R18	5°51	11°55	n.a.	S 14
S 15	11 6 28	18°32'52	29°20	21°44	8°32	0♋14	28°18	16°55	8°35	0°37	3°44	4°17	5°47	12° 1	n.a.	S 15
M16	11 10 24	19°31'22	13♉40	22°59	9°42	0°33	28°15	16°58	8°38	0°36	3°42	4°15	5°44	12° 8	n.a.	M16
T 17	11 14 21	20°29'51	28° 7	24°16	10°52	0°53	28°13	17° 0	8°41	0°35	3°41	4°11	5°41	12°15	n.a.	T 17
W18	11 18 17	21°28'18	12♒39	25°35	12° 2	1°13	28°10	17° 3	8°44	0°33	3°39	4° 5	5°38	12°22	n.a.	W18
T 19	11 22 14	22°26'43	27° 9	26°57	13°12	1°34	28° 8	17° 5	8°48	0°32	3°38	3°59	5°35	12°28	n.a.	T 19
F 20	11 26 10	23°25'06	11♓31	28°20	14°22	1°54	28° 6	17° 8	8°51	0°31	3°36	3°53	5°32	12°35	n.a.	F 20
S 21	11 30 7	24°23'27	25°39	29°45	15°32	2°16	28° 4	17°11	8°55	0°30	3°35	3°47	5°28	12°42	n.a.	S 21
S 22	11 34 3	25°21'46	9♈29	1♓12	16°43	2°37	28° 2	17°14	8°58	0°29	3°33	3°43	5°25	12°48	n.a.	S 22
M23	11 38 0	26°20'03	22°57	2°41	17°53	2°59	28° 1	17°17	9° 1	0°27	3°32	3°41	5°22	12°55	n.a.	M23
T 24	11 41 57	27°18'19	6♉ 2	4°12	19° 3	3°21	27°59	17°20	9° 5	0°26	3°30	3°D40	5°19	13° 2	n.a.	T 24
W25	11 45 53	28°16'32	18°46	5°45	20°14	3°44	27°58	17°23	9° 8	0°25	3°29	3°41	5°16	13° 8	n.a.	W25
T 26	11 49 50	29°14'43	1♊11	7°20	21°24	4° 6	27°57	17°27	9°11	0°23	3°27	3°43	5°12	13°15	n.a.	T 26
F 27	11 53 46	0♈12'52	13°20	8°56	22°35	4°30	27°57	17°30	9°15	0°22	3°26	3°44	5° 9	13°22	n.a.	F 27
S 28	11 57 43	1°10'59	25°20	10°34	23°45	4°53	27°56	17°34	9°18	0°21	3°24	3°46	5° 6	13°29	n.a.	S 28
S 29	12 1 39	2° 9'04	7♋13	12°14	24°56	5°17	27°56	17°37	9°22	0°19	3°23	3°R46	5° 3	13°35	n.a.	S 29
M30	12 5 36	3° 7'07	19° 5	13°56	26° 6	5°41	27°55	17°41	9°25	0°18	3°21	3°44	5° 0	13°42	n.a.	M30
T 31	12 9 32	4♈ 5'08	1♌ 2	15♓40	27♒17	6♋ 5	27°D55	17♊45	9♈29	0♏17	3♍20	3♏42	4♏57	13♋49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s52	19n39	4s 6	18s22	0s 7	21s26	0n27	26n48	3n 5	21n52	1n19	22n39	0s25	2n36	0s35	10s 4	1n58	26n13	17n25	13s30	13s52	18n44		n.a.
M 2	9 30	18 40	4 38	18 25	0 20	21 18	0 23	26 46	3 4	21 53	1 19	22 40	0 24	2 38	0 35	10 4	1 58	26 14	17 25	13 28	13 51	18 43		n.a.
T 3	9 8	16 53	4 58	18 26	0 31	21 10	0 19	26 45	3 2	21 54	1 19	22 40	0 24	2 39	0 35	10 4	1 58	26 14	17 25	13 26	13 50	18 42		n.a.
W 4	8 46	14 21	5 4	18 26	0 42	21 2	0 15	26 44	3 1	21 54	1 19	22 40	0 24	2 40	0 35	10 3	1 58	26 15	17 25	13 23	13 49	18 41		n.a.
T 5	8 23	11 11	4 58	18 23	0 53	20 52	0 11	26 43	2 59	21 55	1 19	22 40	0 24	2 41	0 35	10 3	1 58	26 16	17 25	13 19	13 48	18 40		n.a.
F 6	8 1	7 30	4 37	18 20	1 3	20 42	0 7	26 41	2 57	21 56	1 18	22 41	0 24	2 43	0 35	10 3	1 58	26 16	17 25	13 15	13 47	18 39		n.a.
S 7	7 38	3 25	4 3	18 14	1 13	20 32	0 3	26 40	2 56	21 57	1 18	22 41	0 24	2 44	0 35	10 2	1 58	26 17	17 25	13 12	13 46	18 38		n.a.
S 8	7 16	0s52	3 16	18 7	1 22	20 21	0s 1	26 39	2 54	21 58	1 18	22 41	0 23	2 45	0 35	10 2	1 58	26 17	17 25	13 10	13 45	18 37		n.a.
M 9	6 53	5 11	2 18	17 58	1 30	20 9	0 5	26 37	2 53	21 59	1 18	22 42	0 23	2 47	0 35	10 1	1 58	26 18	17 25	13 8	13 44	18 36		n.a.
T 10	6 30	9 19	1 12	17 47	1 38	19 57	0 9	26 36	2 51	21 59	1 18	22 42	0 23	2 48	0 35	10 1	1 59	26 19	17 25	13 7	13 43	18 35		n.a.
W11	6 7	13 3	0 1	17 35	1 46	19 44	0 12	26 35	2 50	22 0	1 18	22 42	0 23	2 49	0 35	10 1	1 59	26 19	17 25	13 6	13 42	18 34		n.a.
T 12	5 44	16 10	1n11	17 21	1 53	19 31	0 16	26 33	2 48	22 1	1 18	22 43	0 23	2 50	0 35	10 0	1 59	26 20	17 25	13 7	13 41	18 33		n.a.
F 13	5 21	18 24	2 21	17 6	1 59	19 17	0 20	26 32	2 47	22 1	1 18	22 43	0 23	2 52	0 35	10 0	1 59	26 20	17 25	13 7	13 40	18 32		n.a.
S 14	4 58	19 34	3 23	16 48	2 5	19 3	0 23	26 31	2 45	22 2	1 18	22 43	0 23	2 53	0 35	10 0	1 59	26 21	17 25	13 7	13 39	18 32		n.a.
S 15	4 35	19 32	4 13	16 29	2 10	18 48	0 27	26 29	2 44	22 2	1 18	22 44	0 22	2 54	0 35	9 59	1 59	26 21	17 25	13 7	13 38	18 31		n.a.
M16	4 12	18 15	4 49	16 9	2 14	18 32	0 30	26 28	2 42	22 3	1 17	22 44	0 22	2 56	0 35	9 59	1 59	26 22	17 24	13 6	13 36	18 30		n.a.
T 17	3 49	15 48	5 7	15 47	2 19	18 16	0 33	26 26	2 41	22 3	1 17	22 44	0 22	2 57	0 35	9 58	1 59	26 22	17 24	13 5	13 35	18 29		n.a.
W18	3 25	12 21	5 5	15 23	2 22	18 0	0 37	26 24	2 40	22 4	1 17	22 45	0 22	2 58	0 35	9 58	1 59	26 23	17 24	13 3	13 34	18 28		n.a.
T 19	3 2	8 11	4 44	14 58	2 25	17 43	0 40	26 23	2 38	22 4	1 17	22 45	0 22	3 0	0 35	9 57	1 59	26 23	17 24	13 1	13 33	18 27		n.a.
F 20	2 39	3 34	4 5	14 31	2 28	17 25	0 43	26 21	2 37	22 4	1 17	22 46	0 22	3 1	0 35	9 57	1 59	26 24	17 24	12 59	13 32	18 26		n.a.
S 21	2 15	1n10	3 12	14 2	2 30	17 7	0 46	26 19	2 35	22 4	1 17	22 46	0 22	3 2	0 35	9 56	1 59	26 24	17 24	12 57	13 31	18 25		n.a.
S 22	1 52	5 45	2 8	13 32	2 31	16 49	0 49	26 18	2 34	22 5	1 17	22 46	0 22	3 4	0 35	9 56	1 59	26 25	17 23	12 55	13 30	18 24		n.a.
M23	1 29	9 56	0 58	13 0	2 32	16 30	0 52	26 16	2 33	22 5	1 17	22 47	0 21	3 5	0 35	9 55	1 59	26 25	17 23	12 55	13 29	18 23		n.a.
T 24	1 5	13 30	0s13	12 27	2 32	16 10	0 55	26 14	2 31	22 5	1 16	22 47	0 21	3 7	0 35	9 55	1 59	26 25	17 23	12 54	13 28	18 22		n.a.
W25	0 42	16 20	1 21	11 52	2 32	15 51	0 58	26 12	2 30	22 5	1 16	22 48	0 21	3 8	0 35	9 55	1 59	26 26	17 23	12 55	13 27	18 21		n.a.
T 26	0 18	18 19	2 24	11 16	2 31	15 30	1 0	26 10	2 28	22 5	1 16	22 48	0 21	3 9	0 35	9 54	1 59	26 26	17 23	12 55	13 26	18 20		n.a.
F 27	0n 5	19 24	3 20	10 38	2 29	15 10	1 3	26 8	2 27	22 5	1 16	22 49	0 21	3 11	0 35	9 54	1 59	26 26	17 22	12 56	13 25	18 19		n.a.
S 28	0 29	19 35	4 5	9 58	2 27	14 48	1 5	26 5	2 26	22 5	1 16	22 49	0 21	3 12	0 35	9 53	1 59	26 27	17 22	12 56	13 24	18 18		n.a.
S 29	0 52	18 54	4 40	9 17	2 25	14 27	1 8	26 3	2 25	22 5	1 16	22 50	0 21	3 13	0 35	9 53	1 59	26 27	17 22	12 56	13 22	18 17		n.a.
M30	1 15	17 23	5 3	8 35	2 22	14 5	1 10	26 1	2 23	22 5	1 16	22 50	0 20	3 15	0 35	9 52	1 59	26 27	17 22	12 56	13 21	18 16		n.a.
T 31	1n39	15n 7	5s12	7s51	2s18	13s43	1s13	25n58	2n22	22n 5	1n16	22n51	0s20	3n16	0s35	9s51	1n59	26n28	17n21	12s55	13s20	18n15		n.a.

Julian Day Number = 1538857.5, Delta T = 04h39m11s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'34, Lahiri = -10°51'33 Julian Calendar 1 March 500 BCE == Greg. Calendar 24 Feb. 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

APRIL 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 13 29	5♈ 3'07	13♌ 6	17♓26	28♒28	6♋29	27♋55	17♊49	9♈32	0°R15	3°R19	3°R38	4♏53	13♋55	n.a.	W 1
T 2	12 17 26	6° 1'03	25°21	19°13	29°39	6°54	27°56	17°53	9°36	0♏14	3♍17	3♏34	4°50	14° 2	n.a.	T 2
F 3	12 21 22	6°58'58	7♍50	21° 2	0♓49	7°19	27°56	17°57	9°39	0°12	3°16	3°29	4°47	14° 9	n.a.	F 3
S 4	12 25 19	7°56'52	20°35	22°53	2° 0	7°44	27°57	18° 1	9°42	0°11	3°15	3°25	4°44	14°16	n.a.	S 4
S 5	12 29 15	8°54'43	3♎35	24°46	3°11	8°10	27°58	18° 5	9°46	0° 9	3°13	3°22	4°41	14°22	n.a.	S 5
M 6	12 33 12	9°52'33	16°52	26°41	4°22	8°36	27°59	18° 9	9°49	0° 8	3°12	3°20	4°38	14°29	n.a.	M 6
T 7	12 37 8	10°50'21	0♏22	28°37	5°33	9° 2	28° 0	18°14	9°53	0° 6	3°11	3°D19	4°34	14°36	n.a.	T 7
W 8	12 41 5	11°48'08	14° 6	0♈36	6°44	9°28	28° 1	18°18	9°56	0° 5	3°10	3°20	4°31	14°42	n.a.	W 8
T 9	12 45 1	12°45'53	27°59	2°36	7°55	9°54	28° 3	18°23	10° 0	0° 3	3° 9	3°21	4°28	14°49	n.a.	T 9
F 10	12 48 58	13°43'37	12♐ 1	4°38	9° 6	10°21	28° 5	18°27	10° 3	0° 2	3° 7	3°22	4°25	14°56	n.a.	F 10
S 11	12 52 55	14°41'20	26°10	6°41	10°17	10°48	28° 7	18°32	10° 7	0° 0	3° 6	3°23	4°22	15° 3	n.a.	S 11
S 12	12 56 51	15°39'02	10♑22	8°46	11°28	11°15	28° 9	18°37	10°10	29♎59	3° 5	3°R24	4°18	15° 9	n.a.	S 12
M13	13 0 48	16°36'42	24°36	10°52	12°40	11°42	28°11	18°42	10°13	29°57	3° 4	3°24	4°15	15°16	n.a.	M13
T 14	13 4 44	17°34'22	8♒49	13° 0	13°51	12°10	28°14	18°47	10°17	29°56	3° 3	3°23	4°12	15°23	n.a.	T 14
W15	13 8 41	18°32'00	22°58	15° 9	15° 2	12°38	28°16	18°52	10°20	29°54	3° 2	3°22	4° 9	15°29	n.a.	W15
T 16	13 12 37	19°29'37	7♓ 1	17°19	16°13	13° 6	28°19	18°57	10°24	29°53	3° 1	3°20	4° 6	15°36	n.a.	T 16
F 17	13 16 34	20°27'13	20°55	19°29	17°25	13°34	28°22	19° 2	10°27	29°51	3° 0	3°18	4° 3	15°43	n.a.	F 17
S 18	13 20 30	21°24'48	4♈36	21°40	18°36	14° 2	28°25	19° 7	10°31	29°49	2°59	3°17	3°59	15°50	n.a.	S 18
S 19	13 24 27	22°22'21	18° 3	23°52	19°48	14°31	28°28	19°13	10°34	29°48	2°58	3°16	3°56	15°56	n.a.	S 19
M20	13 28 23	23°19'53	1♉13	26° 3	20°59	14°59	28°32	19°18	10°37	29°46	2°57	3°D15	3°53	16° 3	n.a.	M20
T 21	13 32 20	24°17'24	14° 6	28°14	22°11	15°28	28°36	19°24	10°41	29°45	2°56	3°16	3°50	16°10	n.a.	T 21
W22	13 36 17	25°14'54	26°43	0♉24	23°22	15°57	28°39	19°29	10°44	29°43	2°55	3°16	3°47	16°17	n.a.	W22
T 23	13 40 13	26°12'22	9♊ 5	2°34	24°34	16°27	28°43	19°35	10°47	29°41	2°54	3°17	3°43	16°23	n.a.	T 23
F 24	13 44 10	27° 9'50	21°14	4°43	25°45	16°56	28°48	19°40	10°51	29°40	2°54	3°18	3°40	16°30	n.a.	F 24
S 25	13 48 6	28° 7'15	3♋13	6°50	26°57	17°26	28°52	19°46	10°54	29°38	2°53	3°18	3°37	16°37	n.a.	S 25
S 26	13 52 3	29° 4'40	15° 7	8°55	28° 8	17°56	28°56	19°52	10°58	29°36	2°52	3°18	3°34	16°43	n.a.	S 26
M27	13 55 59	0♉ 2'03	27° 0	10°59	29°20	18°26	29° 1	19°58	11° 1	29°35	2°51	3°R19	3°31	16°50	n.a.	M27
T 28	13 59 56	0°59'25	8♌57	13° 1	0♈32	18°56	29° 6	20° 4	11° 4	29°33	2°51	3°19	3°28	16°57	n.a.	T 28
W29	14 3 52	1°56'45	21° 1	15° 1	1°43	19°26	29°11	20°10	11° 7	29°32	2°50	3°18	3°24	17° 4	n.a.	W29
T 30	14 7 49	2♉54'04	3♍18	16♉58	2♈55	19♋56	29♋16	20♊16	11♈11	29♎30	2♍49	3°D18	3♏21	17♋10	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n 2	12n11	5s 9	7s 5	2s14	13s20	1s15	25n56	2n21	22n 5	1n15	22n51	0s20	3n17	0s35	9s51	1n59	26n28	17n21	12s54	13s19	18n14		n.a.
T 2	2 25	8 41	4 51	6 18	2 10	12 57	1 17	25 53	2 19	22 5	1 15	22 52	0 20	3 19	0 35	9 50	1 59	26 28	17 21	12 52	13 18	18 13		n.a.
F 3	2 48	4 45	4 19	5 30	2 4	12 33	1 19	25 51	2 18	22 4	1 15	22 52	0 20	3 20	0 35	9 50	1 59	26 29	17 21	12 51	13 17	18 12		n.a.
S 4	3 12	0 31	3 33	4 40	1 59	12 10	1 21	25 48	2 17	22 4	1 15	22 53	0 20	3 22	0 35	9 49	1 59	26 29	17 20	12 49	13 16	18 11		n.a.
S 5	3 35	3s50	2 36	3 49	1 52	11 45	1 23	25 45	2 16	22 4	1 15	22 53	0 20	3 23	0 35	9 49	1 59	26 29	17 20	12 48	13 15	18 10		n.a.
M 6	3 58	8 5	1 29	2 57	1 45	11 21	1 25	25 42	2 14	22 3	1 15	22 54	0 20	3 24	0 35	9 48	1 59	26 29	17 20	12 47	13 14	18 9		n.a.
T 7	4 21	12 0	0 16	2 3	1 38	10 56	1 27	25 39	2 13	22 3	1 15	22 54	0 19	3 26	0 35	9 48	2 0	26 29	17 19	12 47	13 13	18 8		n.a.
W 8	4 44	15 20	0n59	1 8	1 30	10 31	1 28	25 36	2 12	22 3	1 14	22 55	0 19	3 27	0 35	9 47	2 0	26 30	17 19	12 47	13 12	18 7		n.a.
T 9	5 6	17 50	2 12	0 13	1 22	10 6	1 30	25 33	2 11	22 2	1 14	22 55	0 19	3 29	0 35	9 47	2 0	26 30	17 19	12 48	13 11	18 6		n.a.
F 10	5 29	19 16	3 17	0n44	1 14	9 40	1 31	25 30	2 9	22 2	1 14	22 56	0 19	3 30	0 35	9 46	2 0	26 30	17 18	12 48	13 10	18 5		n.a.
S 11	5 52	19 30	4 12	1 42	1 5	9 14	1 33	25 26	2 8	22 1	1 14	22 56	0 19	3 31	0 35	9 45	2 0	26 30	17 18	12 48	13 8	18 4		n.a.
S 12	6 14	18 31	4 51	2 41	0 55	8 48	1 34	25 23	2 7	22 0	1 14	22 57	0 19	3 33	0 35	9 45	2 0	26 30	17 18	12 49	13 7	18 3		n.a.
M13	6 37	16 22	5 12	3 40	0 45	8 22	1 35	25 19	2 6	22 0	1 14	22 57	0 19	3 34	0 35	9 44	2 0	26 30	17 17	12 49	13 6	18 2		n.a.
T 14	6 59	13 14	5 14	4 39	0 35	7 55	1 37	25 16	2 5	21 59	1 13	22 58	0 19	3 35	0 35	9 44	2 0	26 30	17 17	12 48	13 5	18 1		n.a.
W15	7 21	9 21	4 57	5 39	0 25	7 28	1 38	25 12	2 4	21 59	1 13	22 58	0 18	3 37	0 35	9 43	2 0	26 30	17 17	12 48	13 4	18 0		n.a.
T 16	7 44	4 59	4 23	6 40	0 15	7 1	1 39	25 8	2 2	21 58	1 13	22 59	0 18	3 38	0 35	9 43	2 0	26 30	17 16	12 47	13 3	17 59		n.a.
F 17	8 6	0 23	3 33	7 40	0 4	6 34	1 40	25 4	2 1	21 57	1 13	23 0	0 18	3 39	0 35	9 42	2 0	26 30	17 16	12 47	13 2	17 58		n.a.
S 18	8 27	4n10	2 32	8 39	0n 6	6 6	1 41	25 0	2 0	21 56	1 13	23 0	0 18	3 41	0 35	9 42	2 0	26 30	17 15	12 46	13 1	17 57		n.a.
S 19	8 49	8 27	1 23	9 38	0 17	5 39	1 41	24 55	1 59	21 55	1 13	23 1	0 18	3 42	0 35	9 41	2 0	26 30	17 15	12 46	13 0	17 56		n.a.
M20	9 11	12 14	0 11	10 37	0 27	5 11	1 42	24 51	1 58	21 55	1 13	23 1	0 18	3 44	0 35	9 40	2 0	26 30	17 15	12 46	12 59	17 55		n.a.
T 21	9 32	15 20	1s 0	11 34	0 38	4 43	1 43	24 47	1 57	21 54	1 12	23 2	0 18	3 45	0 35	9 40	2 0	26 30	17 14	12 46	12 58	17 54		n.a.
W22	9 54	17 38	2 6	12 30	0 48	4 14	1 43	24 42	1 56	21 53	1 12	23 2	0 18	3 46	0 35	9 39	2 0	26 30	17 14	12 46	12 56	17 52		n.a.
T 23	10 15	19 3	3 6	13 25	0 57	3 46	1 44	24 37	1 55	21 52	1 12	23 3	0 17	3 48	0 35	9 39	2 0	26 30	17 13	12 46	12 55	17 51		n.a.
F 24	10 36	19 32	3 56	14 18	1 7	3 18	1 44	24 32	1 53	21 51	1 12	23 3	0 17	3 49	0 35	9 38	2 0	26 30	17 13	12 46	12 54	17 50		n.a.
S 25	10 57	19 8	4 35	15 10	1 16	2 49	1 44	24 27	1 52	21 50	1 12	23 4	0 17	3 50	0 35	9 37	2 0	26 30	17 13	12 47	12 53	17 49		n.a.
S 26	11 17	17 54	5 1	15 59	1 24	2 21	1 44	24 22	1 51	21 49	1 12	23 5	0 17	3 51	0 35	9 37	2 0	26 30	17 12	12 47	12 52	17 48		n.a.
M27	11 38	15 53	5 15	16 46	1 32	1 52	1 45	24 17	1 50	21 48	1 12	23 5	0 17	3 53	0 35	9 36	2 0	26 30	17 12	12 47	12 51	17 47		n.a.
T 28	11 58	13 11	5 16	17 31	1 39	1 23	1 45	24 12	1 49	21 46	1 11	23 6	0 17	3 54	0 35	9 36	2 0	26 30	17 11	12 47	12 50	17 46		n.a.
W29	12 18	9 54	5 2	18 14	1 46	0 54	1 45	24 6	1 48	21 45	1 11	23 6	0 17	3 55	0 35	9 35	2 0	26 29	17 11	12 47	12 49	17 45		n.a.
T 30	12n38	6n10	4s35	18n54	1n52	0s25	1s44	24n 1	1n47	21n44	1n11	23n 7	0s17	3n57	0s35	9s35	2n 0	26n29	17n10	12s47	12s48	17n44		n.a.

Julian Day Number = 1538888.5, Delta T = 04h39m09s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'29, Lahiri = -10°51'29 Julian Calendar 1 Apr. 500 BCE == Greg. Calendar 27 March 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

MAY 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 11 46	3♉51'22	15♍51	18♉54	4♈ 7	20♋27	29♋21	20♊22	11♈14	29°R28	2°R49	3♏18	3♏18	17♋17	n.a.	F 1
S 2	14 15 42	4°48'39	28°43	20°46	5°19	20°58	29°26	20°28	11°17	29♎27	2♍48	3°18	3°15	17°24	n.a.	S 2
S 3	14 19 39	5°45'55	11♎55	22°37	6°30	21°29	29°32	20°34	11°20	29°25	2°48	3°19	3°12	17°30	n.a.	S 3
M 4	14 23 35	6°43'10	25°29	24°25	7°42	22° 0	29°38	20°41	11°24	29°24	2°47	3°19	3° 9	17°37	n.a.	M 4
T 5	14 27 32	7°40'24	9♏21	26°10	8°54	22°31	29°43	20°47	11°27	29°22	2°47	3°R19	3° 5	17°44	n.a.	T 5
W 6	14 31 28	8°37'37	23°31	27°52	10° 6	23° 2	29°49	20°53	11°30	29°20	2°46	3°19	3° 2	17°51	n.a.	W 6
T 7	14 35 25	9°34'50	7♐52	29°32	11°18	23°34	29°56	21° 0	11°33	29°19	2°46	3°18	2°59	17°57	n.a.	T 7
F 8	14 39 21	10°32'02	22°21	1♑10	12°30	24° 5	0♌ 2	21° 6	11°36	29°17	2°45	3°17	2°56	18° 4	n.a.	F 8
S 9	14 43 18	11°29'13	6♒51	2°44	13°42	24°37	0° 8	21°13	11°39	29°16	2°45	3°17	2°53	18°11	n.a.	S 9
S 10	14 47 15	12°26'25	21°18	4°16	14°54	25° 9	0°15	21°19	11°42	29°14	2°45	3°16	2°49	18°17	n.a.	S 10
M11	14 51 11	13°23'36	5♓37	5°45	16° 6	25°41	0°21	21°26	11°46	29°12	2°44	3°15	2°46	18°24	n.a.	M11
T 12	14 55 8	14°20'46	19°47	7°12	17°18	26°13	0°28	21°33	11°49	29°11	2°44	3°D15	2°43	18°31	n.a.	T 12
W13	14 59 4	15°17'56	3♈43	8°36	18°30	26°45	0°35	21°40	11°52	29° 9	2°44	3°16	2°40	18°38	n.a.	W13
T 14	15 3 1	16°15'06	17°27	9°56	19°42	27°18	0°42	21°46	11°55	29° 8	2°44	3°17	2°37	18°44	n.a.	T 14
F 15	15 6 57	17°12'16	0♉56	11°14	20°54	27°50	0°49	21°53	11°58	29° 6	2°44	3°18	2°34	18°51	n.a.	F 15
S 16	15 10 54	18° 9'25	14°12	12°30	22° 7	28°23	0°57	22° 0	12° 0	29° 5	2°43	3°19	2°30	18°58	n.a.	S 16
S 17	15 14 51	19° 6'35	27°14	13°42	23°19	28°56	1° 4	22° 7	12° 3	29° 3	2°43	3°R19	2°27	19° 4	n.a.	S 17
M18	15 18 47	20° 3'43	10♊ 3	14°51	24°31	29°29	1°12	22°14	12° 6	29° 2	2°43	3°19	2°24	19°11	n.a.	M18
T 19	15 22 44	21° 0'52	22°40	15°57	25°43	0♌ 2	1°19	22°21	12° 9	29° 0	2°D43	3°18	2°21	19°18	n.a.	T 19
W20	15 26 40	21°58'01	5♋ 4	17° 0	26°56	0°35	1°27	22°28	12°12	28°59	2°43	3°17	2°18	19°25	n.a.	W20
T 21	15 30 37	22°55'09	17°18	18° 0	28° 8	1° 8	1°35	22°35	12°15	28°57	2°43	3°14	2°15	19°31	n.a.	T 21
F 22	15 34 33	23°52'16	29°22	18°56	29°20	1°42	1°43	22°42	12°18	28°56	2°43	3°11	2°11	19°38	n.a.	F 22
S 23	15 38 30	24°49'24	11♌20	19°49	0♉33	2°15	1°51	22°49	12°20	28°54	2°43	3° 8	2° 8	19°45	n.a.	S 23
S 24	15 42 26	25°46'30	23°13	20°39	1°45	2°49	2° 0	22°57	12°23	28°53	2°44	3° 4	2° 5	19°52	n.a.	S 24
M25	15 46 23	26°43'37	5♌ 5	21°24	2°58	3°23	2° 8	23° 4	12°26	28°52	2°44	3° 2	2° 2	19°58	n.a.	M25
T 26	15 50 20	27°40'43	17° 0	22° 7	4°10	3°57	2°17	23°11	12°28	28°50	2°44	3° 0	1°59	20° 5	n.a.	T 26
W27	15 54 16	28°37'49	29° 3	22°45	5°23	4°31	2°25	23°18	12°31	28°49	2°44	3°D 0	1°55	20°12	n.a.	W27
T 28	15 58 13	29°34'54	11♍18	23°19	6°35	5° 5	2°34	23°26	12°34	28°48	2°44	3° 0	1°52	20°18	n.a.	T 28
F 29	16 2 9	0♊31'59	23°50	23°49	7°48	5°39	2°43	23°33	12°36	28°46	2°45	3° 2	1°49	20°25	n.a.	F 29
S 30	16 6 6	1°29'04	6♎42	24°15	9° 0	6°13	2°52	23°40	12°39	28°45	2°45	3° 3	1°46	20°32	n.a.	S 30
S 31	16 10 2	2♊26'09	19♎58	24♊36	10♉13	6♌48	3♌ 1	23♊48	12♈41	28♎44	2♍45	3♏ 5	1♏43	20♋39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n58	2n 4	3s54	19n32	1n57	0n 4	1s44	23n55	1n46	21n43	1n11	23n 7	0s17	3n58	0s35	9s34	2n 0	26n29	17n10	12s47	12s47	17n43		n.a.
S 2	13 18	2s14	3 0	20 8	2 2	0 33	1 44	23 49	1 45	21 41	1 11	23 8	0 16	3 59	0 35	9 33	2 0	26 29	17 9	12 47	12 46	17 42		n.a.
S 3	13 37	6 33	1 56	20 41	2 5	1 2	1 44	23 43	1 44	21 40	1 11	23 9	0 16	4 1	0 35	9 33	2 0	26 29	17 9	12 47	12 44	17 41		n.a.
M 4	13 56	10 39	0 43	21 12	2 9	1 31	1 43	23 37	1 43	21 39	1 11	23 9	0 16	4 2	0 35	9 32	2 0	26 28	17 8	12 47	12 43	17 40		n.a.
T 5	14 15	14 16	0n33	21 40	2 11	2 0	1 43	23 31	1 42	21 37	1 11	23 10	0 16	4 3	0 35	9 32	2 0	26 28	17 8	12 47	12 42	17 38		n.a.
W 6	14 34	17 8	1 50	22 6	2 13	2 29	1 42	23 25	1 41	21 36	1 10	23 10	0 16	4 4	0 35	9 31	2 0	26 28	17 7	12 47	12 41	17 37		n.a.
T 7	14 52	18 57	3 0	22 29	2 14	2 58	1 42	23 18	1 40	21 35	1 10	23 11	0 16	4 6	0 35	9 31	2 0	26 28	17 7	12 47	12 40	17 36		n.a.
F 8	15 11	19 33	3 59	22 51	2 14	3 27	1 41	23 12	1 39	21 33	1 10	23 11	0 16	4 7	0 35	9 30	2 0	26 27	17 6	12 46	12 39	17 35		n.a.
S 9	15 29	18 51	4 44	23 10	2 13	3 56	1 40	23 5	1 38	21 32	1 10	23 12	0 16	4 8	0 35	9 30	2 0	26 27	17 6	12 46	12 38	17 34		n.a.
S 10	15 46	16 57	5 10	23 26	2 12	4 25	1 39	22 58	1 37	21 30	1 10	23 12	0 16	4 9	0 35	9 29	2 0	26 27	17 5	12 46	12 37	17 33		n.a.
M11	16 4	14 0	5 16	23 41	2 10	4 54	1 38	22 51	1 36	21 28	1 10	23 13	0 15	4 10	0 35	9 29	2 0	26 26	17 5	12 46	12 36	17 32		n.a.
T 12	16 21	10 17	5 4	23 53	2 7	5 23	1 38	22 44	1 35	21 27	1 10	23 13	0 15	4 12	0 35	9 28	2 0	26 26	17 4	12 46	12 35	17 31		n.a.
W13	16 38	6 2	4 33	24 4	2 4	5 52	1 36	22 37	1 34	21 25	1 9	23 14	0 15	4 13	0 35	9 27	1 59	26 26	17 4	12 46	12 33	17 30		n.a.
T 14	16 55	1 32	3 47	24 12	2 0	6 20	1 35	22 29	1 33	21 23	1 9	23 15	0 15	4 14	0 35	9 27	1 59	26 25	17 3	12 46	12 32	17 29		n.a.
F 15	17 12	2n58	2 50	24 19	1 55	6 49	1 34	22 22	1 32	21 22	1 9	23 15	0 15	4 15	0 35	9 26	1 59	26 25	17 3	12 46	12 31	17 27		n.a.
S 16	17 28	7 16	1 44	24 24	1 49	7 17	1 33	22 14	1 31	21 20	1 9	23 16	0 15	4 16	0 35	9 26	1 59	26 24	17 2	12 47	12 30	17 26		n.a.
S 17	17 44	11 9	0 34	24 27	1 43	7 45	1 32	22 7	1 30	21 18	1 9	23 16	0 15	4 17	0 35	9 25	1 59	26 24	17 2	12 47	12 29	17 25		n.a.
M18	17 59	14 26	0s37	24 28	1 36	8 13	1 30	21 59	1 29	21 16	1 9	23 17	0 15	4 19	0 35	9 25	1 59	26 23	17 1	12 47	12 28	17 24		n.a.
T 19	18 15	17 0	1 45	24 28	1 29	8 41	1 29	21 51	1 28	21 15	1 9	23 17	0 15	4 20	0 35	9 24	1 59	26 23	17 1	12 47	12 27	17 23		n.a.
W20	18 30	18 42	2 46	24 26	1 20	9 9	1 28	21 42	1 27	21 13	1 9	23 18	0 15	4 21	0 35	9 24	1 59	26 22	17 0	12 46	12 26	17 22		n.a.
T 21	18 45	19 30	3 39	24 23	1 11	9 37	1 26	21 34	1 26	21 11	1 9	23 18	0 14	4 22	0 35	9 23	1 59	26 22	17 0	12 45	12 25	17 21		n.a.
F 22	18 59	19 24	4 21	24 19	1 2	10 4	1 24	21 26	1 25	21 9	1 8	23 19	0 14	4 23	0 35	9 23	1 59	26 22	16 59	12 44	12 23	17 19		n.a.
S 23	19 13	18 25	4 52	24 13	0 52	10 31	1 23	21 17	1 24	21 7	1 8	23 19	0 14	4 24	0 35	9 22	1 59	26 21	16 59	12 43	12 22	17 18		n.a.
S 24	19 27	16 39	5 9	24 6	0 41	10 58	1 21	21 8	1 23	21 5	1 8	23 20	0 14	4 25	0 35	9 22	1 59	26 20	16 58	12 42	12 21	17 17		n.a.
M25	19 41	14 10	5 14	23 58	0 29	11 25	1 19	20 59	1 22	21 3	1 8	23 20	0 14	4 26	0 35	9 21	1 59	26 20	16 58	12 41	12 20	17 16		n.a.
T 26	19 54	11 6	5 5	23 48	0 18	11 51	1 18	20 50	1 21	21 1	1 8	23 21	0 14	4 27	0 35	9 21	1 59	26 19	16 57	12 41	12 19	17 15		n.a.
W27	20 7	7 33	4 42	23 38	0 5	12 18	1 16	20 41	1 21	20 59	1 8	23 21	0 14	4 28	0 35	9 21	1 59	26 19	16 57	12 40	12 18	17 14		n.a.
T 28	20 20	3 37	4 7	23 27	0s 8	12 44	1 14	20 32	1 20	20 57	1 8	23 22	0 14	4 29	0 35	9 20	1 59	26 18	16 56	12 41	12 17	17 13		n.a.
F 29	20 32	0s33	3 19	23 15	0 22	13 9	1 12	20 23	1 19	20 54	1 8	23 22	0 14	4 30	0 35	9 20	1 59	26 18	16 56	12 41	12 16	17 11		n.a.
S 30	20 44	4 49	2 20	23 2	0 36	13 35	1 10	20 13	1 18	20 52	1 8	23 22	0 14	4 31	0 35	9 19	1 59	26 17	16 55	12 42	12 15	17 10		n.a.
S 31	20n55	9s 0	1s11	22n49	0s50	14n 0	1s 8	20n 3	1n17	20n50	1n 7	23n23	0s13	4n32	0s35	9s19	1n59	26n16	16n55	12s42	12s13	17n 9		n.a.

Julian Day Number = 1538918.5, Delta T = 04h39m08s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'25, Lahiri = -10°51'25 Julian Calendar 1 May 500 BCE == Greg. Calendar 26 Apr. 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

JUNE 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 13 59	3♊23'13	3♏39	24♊53	11♉25	7♌22	3♌10	23♊55	12♈44	28°R42	2♍46	3°R 5	1♏40	20♋45	n.a.	M 1
T 2	16 17 55	4°20'18	17°46	25° 6	12°38	7°57	3°19	24° 3	12°46	28♎41	2°46	3♏ 4	1°36	20°52	n.a.	T 2
W 3	16 21 52	5°17'22	2♐14	25°14	13°51	8°32	3°29	24°10	12°49	28°40	2°47	3° 2	1°33	20°59	n.a.	W 3
T 4	16 25 49	6°14'27	17° 0	25°R17	15° 3	9° 6	3°38	24°18	12°51	28°39	2°47	2°59	1°30	21° 5	n.a.	T 4
F 5	16 29 45	7°11'32	1♑55	25°15	16°16	9°41	3°48	24°25	12°53	28°38	2°48	2°54	1°27	21°12	n.a.	F 5
S 6	16 33 42	8° 8'38	16°50	25° 9	17°29	10°16	3°57	24°33	12°56	28°36	2°48	2°49	1°24	21°19	n.a.	S 6
S 7	16 37 38	9° 5'44	1♒38	24°58	18°42	10°51	4° 7	24°40	12°58	28°35	2°49	2°45	1°21	21°26	n.a.	S 7
M 8	16 41 35	10° 2'50	16°12	24°43	19°55	11°27	4°17	24°48	13° 0	28°34	2°50	2°41	1°17	21°32	n.a.	M 8
T 9	16 45 31	10°59'57	0♓27	24°23	21° 7	12° 2	4°27	24°55	13° 2	28°33	2°50	2°39	1°14	21°39	n.a.	T 9
W10	16 49 28	11°57'05	14°21	23°59	22°20	12°37	4°37	25° 3	13° 5	28°32	2°51	2°D39	1°11	21°46	n.a.	W10
T 11	16 53 24	12°54'14	27°55	23°31	23°33	13°13	4°47	25°11	13° 7	28°31	2°52	2°40	1° 8	21°53	n.a.	T 11
F 12	16 57 21	13°51'23	11♈10	23° 0	24°46	13°49	4°57	25°18	13° 9	28°30	2°52	2°41	1° 5	21°59	n.a.	F 12
S 13	17 1 18	14°48'33	24° 7	22°26	25°59	14°24	5° 7	25°26	13°11	28°29	2°53	2°42	1° 1	22° 6	n.a.	S 13
S 14	17 5 14	15°45'43	6♉50	21°49	27°12	15° 0	5°18	25°34	13°13	28°28	2°54	2°R42	0°58	22°13	n.a.	S 14
M15	17 9 11	16°42'55	19°20	21°10	28°25	15°36	5°28	25°41	13°15	28°27	2°55	2°41	0°55	22°19	n.a.	M15
T 16	17 13 7	17°40'07	1♊41	20°30	29°39	16°12	5°39	25°49	13°17	28°26	2°56	2°38	0°52	22°26	n.a.	T 16
W17	17 17 4	18°37'20	13°52	19°49	0♊52	16°48	5°49	25°57	13°19	28°25	2°57	2°32	0°49	22°33	n.a.	W17
T 18	17 21 0	19°34'34	25°56	19° 8	2° 5	17°24	6° 0	26° 4	13°20	28°24	2°58	2°25	0°46	22°40	n.a.	T 18
F 19	17 24 57	20°31'48	7♋55	18°28	3°18	18° 1	6°11	26°12	13°22	28°23	2°59	2°16	0°42	22°46	n.a.	F 19
S 20	17 28 54	21°29'03	19°49	17°49	4°31	18°37	6°22	26°20	13°24	28°23	3° 0	2° 7	0°39	22°53	n.a.	S 20
S 21	17 32 50	22°26'18	1♌40	17°13	5°45	19°13	6°33	26°28	13°26	28°22	3° 1	1°58	0°36	23° 0	n.a.	S 21
M22	17 36 47	23°23'34	13°32	16°39	6°58	19°50	6°44	26°35	13°27	28°21	3° 2	1°50	0°33	23° 6	n.a.	M22
T 23	17 40 43	24°20'51	25°26	16° 9	8°11	20°27	6°55	26°43	13°29	28°20	3° 3	1°44	0°30	23°13	n.a.	T 23
W24	17 44 40	25°18'08	7♍28	15°42	9°24	21° 3	7° 6	26°51	13°30	28°20	3° 4	1°40	0°26	23°20	n.a.	W24
T 25	17 48 36	26°15'26	19°40	15°21	10°38	21°40	7°17	26°59	13°32	28°19	3° 5	1°39	0°23	23°27	n.a.	T 25
F 26	17 52 33	27°12'44	2♎ 8	15° 4	11°51	22°17	7°28	27° 6	13°33	28°18	3° 6	1°D38	0°20	23°33	n.a.	F 26
S 27	17 56 29	28°10'03	14°55	14°53	13° 5	22°54	7°40	27°14	13°35	28°18	3° 8	1°39	0°17	23°40	n.a.	S 27
S 28	18 0 26	29° 7'23	28° 8	14°D48	14°18	23°31	7°51	27°22	13°36	28°17	3° 9	1°R40	0°14	23°47	n.a.	S 28
M29	18 4 23	0♋ 4'44	11♏48	14°49	15°32	24° 8	8° 2	27°30	13°38	28°16	3°10	1°40	0°11	23°54	n.a.	M29
T 30	18 8 19	1♋ 2'05	25♏57	14♊56	16♊45	24♌46	8♌14	27♊37	13♈39	28♎16	3♍11	1♏37	0♏ 7	24♋ 0	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n 6	12s51	0n 3	22n35	1s 5	14n25	1s 6	19n54	1n16	20n48	1n 7	23n23	0s13	4n33	0s35	9s18	1n59	26n16	16n54	12s42	12s12	17n 8		n.a.
T 2	21 17	16 5	1 19	22 20	1 20	14 49	1 4	19 44	1 15	20 45	1 7	23 24	0 13	4 34	0 35	9 18	1 59	26 15	16 54	12 42	12 11	17 7		n.a.
W 3	21 28	18 23	2 33	22 5	1 35	15 13	1 2	19 34	1 14	20 43	1 7	23 24	0 13	4 35	0 35	9 18	1 59	26 14	16 53	12 41	12 10	17 6		n.a.
T 4	21 38	19 31	3 37	21 50	1 50	15 37	1 0	19 23	1 13	20 41	1 7	23 25	0 13	4 36	0 35	9 17	1 59	26 14	16 53	12 40	12 9	17 4		n.a.
F 5	21 48	19 17	4 27	21 34	2 6	16 0	0 58	19 13	1 12	20 38	1 7	23 25	0 13	4 37	0 35	9 17	1 59	26 13	16 52	12 38	12 8	17 3		n.a.
S 6	21 57	17 44	4 59	21 19	2 21	16 23	0 55	19 3	1 11	20 36	1 7	23 26	0 13	4 38	0 35	9 16	1 59	26 12	16 52	12 37	12 7	17 2		n.a.
S 7	22 6	15 0	5 11	21 3	2 37	16 46	0 53	18 52	1 11	20 34	1 7	23 26	0 13	4 39	0 35	9 16	1 59	26 12	16 51	12 35	12 6	17 1		n.a.
M 8	22 15	11 23	5 2	20 47	2 52	17 8	0 51	18 41	1 10	20 31	1 7	23 26	0 13	4 40	0 35	9 16	1 59	26 11	16 50	12 34	12 5	17 0		n.a.
T 9	22 23	7 10	4 35	20 32	3 6	17 30	0 49	18 31	1 9	20 29	1 7	23 27	0 13	4 40	0 35	9 15	1 59	26 10	16 50	12 33	12 3	16 59		n.a.
W10	22 31	2 40	3 53	20 17	3 20	17 51	0 46	18 20	1 8	20 26	1 7	23 27	0 12	4 41	0 35	9 15	1 58	26 10	16 49	12 33	12 2	16 57		n.a.
T 11	22 39	1n52	2 58	20 2	3 33	18 12	0 44	18 8	1 7	20 24	1 6	23 27	0 12	4 42	0 35	9 15	1 58	26 9	16 49	12 33	12 1	16 56		n.a.
F 12	22 46	6 13	1 54	19 48	3 46	18 32	0 42	17 57	1 6	20 21	1 6	23 28	0 12	4 43	0 35	9 14	1 58	26 8	16 48	12 34	12 0	16 55		n.a.
S 13	22 53	10 11	0 46	19 35	3 57	18 52	0 39	17 46	1 5	20 18	1 6	23 28	0 12	4 44	0 35	9 14	1 58	26 7	16 48	12 34	11 59	16 54		n.a.
S 14	22 59	13 37	0s22	19 23	4 8	19 12	0 37	17 34	1 4	20 16	1 6	23 29	0 12	4 44	0 35	9 14	1 58	26 6	16 47	12 34	11 58	16 53		n.a.
M15	23 5	16 22	1 29	19 11	4 17	19 31	0 34	17 23	1 4	20 13	1 6	23 29	0 12	4 45	0 35	9 13	1 58	26 6	16 47	12 34	11 57	16 51		n.a.
T 16	23 10	18 19	2 30	19 1	4 24	19 49	0 32	17 11	1 3	20 10	1 6	23 29	0 12	4 46	0 36	9 13	1 58	26 5	16 46	12 33	11 56	16 50		n.a.
W17	23 16	19 24	3 24	18 52	4 30	20 7	0 29	16 59	1 2	20 8	1 6	23 30	0 12	4 47	0 36	9 13	1 58	26 4	16 46	12 31	11 54	16 49		n.a.
T 18	23 20	19 34	4 7	18 44	4 35	20 25	0 27	16 47	1 1	20 5	1 6	23 30	0 12	4 47	0 36	9 13	1 58	26 3	16 45	12 28	11 53	16 48		n.a.
F 19	23 25	18 52	4 39	18 38	4 38	20 41	0 24	16 35	1 0	20 2	1 6	23 30	0 12	4 48	0 36	9 12	1 58	26 2	16 45	12 25	11 52	16 47		n.a.
S 20	23 29	17 20	4 59	18 33	4 39	20 58	0 22	16 23	0 59	19 59	1 6	23 31	0 12	4 49	0 36	9 12	1 58	26 2	16 44	12 22	11 51	16 45		n.a.
S 21	23 32	15 4	5 6	18 30	4 39	21 14	0 19	16 11	0 58	19 56	1 6	23 31	0 11	4 49	0 36	9 12	1 58	26 1	16 44	12 19	11 50	16 44		n.a.
M22	23 35	12 11	5 0	18 29	4 37	21 29	0 17	15 58	0 58	19 54	1 6	23 31	0 11	4 50	0 36	9 12	1 58	26 0	16 43	12 16	11 49	16 43		n.a.
T 23	23 38	8 48	4 41	18 30	4 33	21 43	0 14	15 46	0 57	19 51	1 6	23 31	0 11	4 50	0 36	9 12	1 58	25 59	16 43	12 14	11 48	16 42		n.a.
W24	23 40	5 2	4 9	18 33	4 28	21 57	0 12	15 33	0 56	19 48	1 6	23 32	0 11	4 51	0 36	9 11	1 58	25 58	16 43	12 13	11 47	16 40		n.a.
T 25	23 42	1 0	3 26	18 37	4 21	22 11	0 9	15 20	0 55	19 45	1 6	23 32	0 11	4 52	0 36	9 11	1 58	25 57	16 42	12 12	11 45	16 39		n.a.
F 26	23 43	3s10	2 31	18 43	4 13	22 23	0 7	15 7	0 54	19 42	1 5	23 32	0 11	4 52	0 36	9 11	1 58	25 56	16 42	12 12	11 44	16 38		n.a.
S 27	23 44	7 19	1 28	18 51	4 3	22 36	0 4	14 54	0 53	19 39	1 5	23 33	0 11	4 53	0 36	9 11	1 58	25 56	16 41	12 12	11 43	16 37		n.a.
S 28	23 45	11 15	0 19	19 1	3 53	22 47	0 2	14 41	0 53	19 36	1 5	23 33	0 11	4 53	0 36	9 11	1 57	25 55	16 41	12 12	11 42	16 36		n.a.
M29	23 45	14 43	0n54	19 13	3 41	22 58	0n 1	14 28	0 52	19 33	1 5	23 33	0 11	4 54	0 36	9 10	1 57	25 54	16 40	12 12	11 41	16 34		n.a.
T 30	23n45	17s27	2n 6	19n26	3s29	23n 8	0n 3	14n14	0n51	19n30	1n 5	23n33	0s11	4n54	0s36	9s10	1n57	25n53	16n40	12s12	11s40	16n33		n.a.

Julian Day Number = 1538949.5, Delta T = 04h39m07s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'21, Lahiri = -10°51'21 Julian Calendar 1 June 500 BCE == Greg. Calendar 27 May 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

JULY 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 12 16	1♋59'28	10♐32	15♊ 9	17♊59	25♌23	8♌26	27♊45	13♈40	28°R15	3♍13	1°R33	0♏ 4	24♋ 7	n.a.	W 1
T 2	18 16 12	2°56'51	25°30	15°29	19°12	26° 0	8°37	27°53	13°41	28♎15	3°14	1♏26	0° 1	24°14	n.a.	T 2
F 3	18 20 9	3°54'15	10♑42	15°55	20°26	26°38	8°49	28° 1	13°43	28°15	3°15	1°17	29♎58	24°20	n.a.	F 3
S 4	18 24 5	4°51'41	25°57	16°28	21°40	27°16	9° 1	28° 8	13°44	28°14	3°17	1° 8	29°55	24°27	n.a.	S 4
S 5	18 28 2	5°49'08	11♒ 5	17° 7	22°53	27°53	9°12	28°16	13°45	28°14	3°18	1° 0	29°52	24°34	n.a.	S 5
M 6	18 31 58	6°46'36	25°56	17°53	24° 7	28°31	9°24	28°24	13°46	28°13	3°20	0°52	29°48	24°41	n.a.	M 6
T 7	18 35 55	7°44'05	10♓23	18°45	25°21	29° 9	9°36	28°32	13°47	28°13	3°21	0°47	29°45	24°47	n.a.	T 7
W 8	18 39 52	8°41'37	24°23	19°43	26°34	29°47	9°48	28°39	13°48	28°13	3°23	0°45	29°42	24°54	n.a.	W 8
T 9	18 43 48	9°39'09	7♈58	20°47	27°48	0♍25	10° 0	28°47	13°49	28°12	3°24	0°D44	29°39	25° 1	n.a.	T 9
F 10	18 47 45	10°36'44	21° 7	21°58	29° 2	1° 3	10°12	28°55	13°49	28°12	3°26	0°44	29°36	25° 8	n.a.	F 10
S 11	18 51 41	11°34'20	3♉56	23°13	0♋16	1°41	10°24	29° 2	13°50	28°12	3°28	0°R44	29°32	25°14	n.a.	S 11
S 12	18 55 38	12°31'57	16°27	24°35	1°30	2°19	10°37	29°10	13°51	28°12	3°29	0°43	29°29	25°21	n.a.	S 12
M13	18 59 34	13°29'37	28°46	26° 1	2°44	2°58	10°49	29°17	13°52	28°12	3°31	0°40	29°26	25°28	n.a.	M13
T 14	19 3 31	14°27'17	10♊54	27°32	3°58	3°36	11° 1	29°25	13°52	28°12	3°32	0°34	29°23	25°34	n.a.	T 14
W15	19 7 27	15°25'00	22°56	29° 8	5°12	4°14	11°13	29°33	13°53	28°12	3°34	0°26	29°20	25°41	n.a.	W15
T 16	19 11 24	16°22'44	4♋52	0♋48	6°26	4°53	11°26	29°40	13°53	28°12	3°36	0°14	29°17	25°48	n.a.	T 16
F 17	19 15 21	17°20'30	16°46	2°31	7°40	5°32	11°38	29°48	13°54	28°D12	3°38	0° 1	29°13	25°55	n.a.	F 17
S 18	19 19 17	18°18'17	28°38	4°18	8°54	6°10	11°50	29°55	13°54	28°12	3°39	29♎48	29°10	26° 1	n.a.	S 18
S 19	19 23 14	19°16'06	10♌30	6° 8	10° 8	6°49	12° 3	0♋ 3	13°55	28°12	3°41	29°34	29° 7	26° 8	n.a.	S 19
M20	19 27 10	20°13'56	22°23	8° 0	11°22	7°28	12°15	0°10	13°55	28°12	3°43	29°22	29° 4	26°15	n.a.	M20
T 21	19 31 7	21°11'47	4♍20	9°55	12°37	8° 7	12°28	0°18	13°55	28°12	3°45	29°13	29° 1	26°22	n.a.	T 21
W22	19 35 3	22° 9'40	16°23	11°51	13°51	8°46	12°40	0°25	13°55	28°12	3°47	29° 6	28°58	26°28	n.a.	W22
T 23	19 39 0	23° 7'35	28°35	13°48	15° 5	9°25	12°53	0°32	13°56	28°12	3°48	29° 1	28°54	26°35	n.a.	T 23
F 24	19 42 56	24° 5'30	11♎ 1	15°46	16°19	10° 5	13° 6	0°40	13°56	28°12	3°50	29° 0	28°51	26°42	n.a.	F 24
S 25	19 46 53	25° 3'28	23°45	17°45	17°34	10°44	13°18	0°47	13°56	28°13	3°52	28°59	28°48	26°48	n.a.	S 25
S 26	19 50 50	26° 1'26	6♏52	19°44	18°48	11°23	13°31	0°54	13°R56	28°13	3°54	28°59	28°45	26°55	n.a.	S 26
M27	19 54 46	26°59'26	20°24	21°43	20° 2	12° 3	13°44	1° 2	13°56	28°13	3°56	28°58	28°42	27° 2	n.a.	M27
T 28	19 58 43	27°57'28	4♐26	23°41	21°17	12°42	13°57	1° 9	13°56	28°14	3°58	28°55	28°38	27° 9	n.a.	T 28
W29	20 2 39	28°55'31	18°56	25°40	22°31	13°22	14° 9	1°16	13°56	28°14	4° 0	28°50	28°35	27°15	n.a.	W29
T 30	20 6 36	29°53'36	3♑51	27°38	23°46	14° 2	14°22	1°23	13°56	28°14	4° 2	28°42	28°32	27°22	n.a.	T 30
F 31	20 10 32	0♌51'43	19♑ 4	29♋35	25♋ 0	14♍41	14♌35	1♋30	13♈55	28♎15	4♍ 4	28♎32	28♎29	27♋29	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	23n44	19s 9	3n12	19n40	3s16	23n18	0n 5	14n 1	0n50	19n27	1n 5	23n33	0s11	4n55	0s36	9s10	1n57	25n52	16n39	12s10	11s39	16n32			n.a.
T 2	23 43	19 34	4 6	19 56	3 2	23 26	0 8	13 47	0 49	19 23	1 5	23 34	0 10	4 55	0 36	9 10	1 57	25 51	16 39	12 8	11 38	16 31			n.a.
F 3	23 42	18 36	4 44	20 13	2 48	23 35	0 10	13 33	0 48	19 20	1 5	23 34	0 10	4 56	0 36	9 10	1 57	25 50	16 38	12 5	11 36	16 29			n.a.
S 4	23 40	16 17	5 2	20 31	2 33	23 42	0 13	13 20	0 48	19 17	1 5	23 34	0 10	4 56	0 36	9 10	1 57	25 49	16 38	12 1	11 35	16 28			n.a.
S 5	23 37	12 53	4 59	20 50	2 18	23 49	0 15	13 6	0 47	19 14	1 5	23 34	0 10	4 56	0 36	9 10	1 57	25 48	16 38	11 58	11 34	16 27			n.a.
M 6	23 35	8 44	4 35	21 10	2 3	23 55	0 18	12 52	0 46	19 11	1 5	23 34	0 10	4 57	0 36	9 10	1 57	25 47	16 37	11 56	11 33	16 26			n.a.
T 7	23 31	4 10	3 54	21 29	1 47	24 0	0 20	12 38	0 45	19 7	1 5	23 35	0 10	4 57	0 36	9 10	1 57	25 46	16 37	11 54	11 32	16 24			n.a.
W 8	23 28	0n30	3 1	21 49	1 32	24 5	0 22	12 23	0 44	19 4	1 5	23 35	0 10	4 58	0 36	9 10	1 57	25 45	16 36	11 53	11 31	16 23			n.a.
T 9	23 24	5 0	1 58	22 9	1 17	24 9	0 25	12 9	0 43	19 1	1 5	23 35	0 10	4 58	0 36	9 10	1 57	25 44	16 36	11 53	11 30	16 22			n.a.
F 10	23 19	9 8	0 51	22 29	1 1	24 12	0 27	11 54	0 43	18 57	1 5	23 35	0 10	4 58	0 36	9 10	1 57	25 43	16 36	11 53	11 28	16 21			n.a.
S 11	23 14	12 44	0s17	22 48	0 47	24 14	0 29	11 40	0 42	18 54	1 5	23 35	0 10	4 58	0 36	9 10	1 57	25 42	16 35	11 53	11 27	16 19			n.a.
S 12	23 9	15 40	1 22	23 6	0 32	24 16	0 31	11 25	0 41	18 51	1 5	23 35	0 10	4 59	0 36	9 10	1 57	25 41	16 35	11 52	11 26	16 18			n.a.
M13	23 4	17 49	2 23	23 23	0 18	24 17	0 34	11 11	0 40	18 47	1 5	23 36	0 10	4 59	0 36	9 10	1 56	25 40	16 34	11 51	11 25	16 17			n.a.
T 14	22 57	19 9	3 16	23 39	0 5	24 17	0 36	10 56	0 39	18 44	1 5	23 36	0 9	4 59	0 36	9 10	1 56	25 39	16 34	11 49	11 24	16 16			n.a.
W15	22 51	19 35	3 59	23 53	0n 8	24 17	0 38	10 41	0 39	18 40	1 5	23 36	0 9	4 59	0 36	9 10	1 56	25 39	16 34	11 46	11 23	16 14			n.a.
T 16	22 44	19 8	4 32	24 5	0 20	24 16	0 40	10 26	0 38	18 37	1 5	23 36	0 9	5 0	0 36	9 10	1 56	25 38	16 33	11 42	11 22	16 13			n.a.
F 17	22 37	17 51	4 52	24 16	0 32	24 14	0 42	10 11	0 37	18 33	1 5	23 36	0 9	5 0	0 36	9 10	1 56	25 37	16 33	11 38	11 20	16 12			n.a.
S 18	22 29	15 49	5 0	24 24	0 43	24 11	0 44	9 55	0 36	18 30	1 5	23 36	0 9	5 0	0 36	9 10	1 56	25 36	16 33	11 33	11 19	16 10			n.a.
S 19	22 21	13 7	4 55	24 29	0 53	24 8	0 46	9 40	0 35	18 26	1 5	23 36	0 9	5 0	0 36	9 10	1 56	25 35	16 32	11 28	11 18	16 9			n.a.
M20	22 12	9 52	4 37	24 32	1 2	24 4	0 48	9 25	0 35	18 23	1 5	23 36	0 9	5 0	0 36	9 10	1 56	25 34	16 32	11 24	11 17	16 8			n.a.
T 21	22 3	6 14	4 6	24 32	1 10	23 59	0 50	9 9	0 34	18 19	1 5	23 36	0 9	5 0	0 36	9 10	1 56	25 33	16 32	11 20	11 16	16 7			n.a.
W22	21 54	2 18	3 25	24 30	1 17	23 53	0 52	8 54	0 33	18 16	1 5	23 36	0 9	5 0	0 36	9 10	1 56	25 31	16 31	11 18	11 15	16 5			n.a.
T 23	21 45	1s46	2 33	24 25	1 24	23 47	0 54	8 38	0 32	18 12	1 5	23 36	0 9	5 0	0 36	9 10	1 56	25 30	16 31	11 16	11 14	16 4			n.a.
F 24	21 34	5 51	1 33	24 18	1 30	23 40	0 56	8 22	0 31	18 8	1 5	23 37	0 9	5 0	0 36	9 11	1 56	25 29	16 31	11 16	11 12	16 3			n.a.
S 25	21 24	9 46	0 28	24 7	1 35	23 32	0 58	8 7	0 31	18 5	1 5	23 37	0 9	5 0	0 36	9 11	1 56	25 28	16 30	11 15	11 11	16 1			n.a.
S 26	21 13	13 20	0n42	23 54	1 39	23 24	0 59	7 51	0 30	18 1	1 5	23 37	0 8	5 0	0 36	9 11	1 56	25 27	16 30	11 15	11 10	16 0			n.a.
M27	21 2	16 18	1 51	23 39	1 42	23 14	1 1	7 35	0 29	17 57	1 5	23 37	0 8	5 0	0 37	9 11	1 56	25 26	16 30	11 15	11 9	15 59			n.a.
T 28	20 51	18 26	2 55	23 22	1 44	23 4	1 2	7 19	0 28	17 53	1 5	23 37	0 8	5 0	0 37	9 11	1 55	25 25	16 29	11 14	11 8	15 57			n.a.
W29	20 39	19 27	3 51	23 2	1 46	22 54	1 4	7 3	0 28	17 50	1 5	23 37	0 8	5 0	0 37	9 11	1 55	25 24	16 29	11 12	11 7	15 56			n.a.
T 30	20 26	19 9	4 33	22 40	1 47	22 43	1 6	6 47	0 27	17 46	1 5	23 37	0 8	5 0	0 37	9 12	1 55	25 23	16 29	11 9	11 6	15 55			n.a.
F 31	20n14	17s29	4n56	22n15	1n48	22n31	1n 7	6n30	0n26	17n42	1n 5	23n37	0s 8	5n 0	0s37	9s12	1n55	25n22	16n29	11s 6	11s 4	15n54			n.a.

Julian Day Number = 1538979.5, Delta T = 04h39m06s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'17, Lahiri = -10°51'17 Julian Calendar 1 July 500 BCE == Greg. Calendar 26 June 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

AUGUST 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 14 29	1♌49'51	4♒25	1♌31	26♋14	15♍21	14♌48	1♋37	13°R55	28♎15	4♍ 6	28°R21	28♎26	27♋35	n.a.	S 1
S 2	20 18 25	2°48'01	19°42	3°26	27°29	16° 1	15° 1	1°44	13♈55	28°16	4° 8	28♎10	28°23	27°42	n.a.	S 2
M 3	20 22 22	3°46'13	4♓44	5°21	28°43	16°41	15°13	1°51	13°54	28°16	4°10	28° 1	28°19	27°49	n.a.	M 3
T 4	20 26 19	4°44'27	19°22	7°14	29°58	17°21	15°26	1°58	13°54	28°17	4°12	27°55	28°16	27°56	n.a.	T 4
W 5	20 30 15	5°42'43	3♈33	9° 6	1♌13	18° 1	15°39	2° 5	13°54	28°18	4°14	27°51	28°13	28° 2	n.a.	W 5
T 6	20 34 12	6°41'01	17°14	10°58	2°27	18°41	15°52	2°12	13°53	28°18	4°17	27°49	28°10	28° 9	n.a.	T 6
F 7	20 38 8	7°39'22	0♉27	12°48	3°42	19°22	16° 5	2°19	13°52	28°19	4°19	27°D49	28° 7	28°16	n.a.	F 7
S 8	20 42 5	8°37'44	13°15	14°37	4°57	20° 2	16°18	2°26	13°52	28°20	4°21	27°R49	28° 4	28°23	n.a.	S 8
S 9	20 46 1	9°36'09	25°44	16°24	6°11	20°43	16°31	2°33	13°51	28°20	4°23	27°48	28° 0	28°29	n.a.	S 9
M10	20 49 58	10°34'37	7♊58	18°11	7°26	21°23	16°44	2°39	13°50	28°21	4°25	27°45	27°57	28°36	n.a.	M10
T 11	20 53 54	11°33'06	20° 0	19°57	8°41	22° 4	16°57	2°46	13°50	28°22	4°27	27°40	27°54	28°43	n.a.	T 11
W12	20 57 51	12°31'38	1♋56	21°41	9°55	22°44	17°10	2°52	13°49	28°23	4°30	27°32	27°51	28°49	n.a.	W12
T 13	21 1 48	13°30'12	13°49	23°25	11°10	23°25	17°23	2°59	13°48	28°24	4°32	27°21	27°48	28°56	n.a.	T 13
F 14	21 5 44	14°28'48	25°41	25° 7	12°25	24° 6	17°36	3° 6	13°47	28°25	4°34	27° 8	27°44	29° 3	n.a.	F 14
S 15	21 9 41	15°27'27	7♌33	26°48	13°40	24°47	17°49	3°12	13°46	28°25	4°36	26°55	27°41	29°10	n.a.	S 15
S 16	21 13 37	16°26'07	19°28	28°28	14°55	25°28	18° 2	3°18	13°45	28°26	4°38	26°42	27°38	29°16	n.a.	S 16
M17	21 17 34	17°24'49	1♍27	0♍ 8	16°10	26° 9	18°15	3°25	13°44	28°27	4°41	26°30	27°35	29°23	n.a.	M17
T 18	21 21 30	18°23'34	13°30	1°46	17°24	26°50	18°28	3°31	13°43	28°28	4°43	26°20	27°32	29°30	n.a.	T 18
W19	21 25 27	19°22'20	25°41	3°23	18°39	27°31	18°41	3°37	13°42	28°29	4°45	26°14	27°29	29°37	n.a.	W19
T 20	21 29 23	20°21'08	8♎ 1	4°59	19°54	28°12	18°54	3°43	13°41	28°31	4°48	26°10	27°25	29°43	n.a.	T 20
F 21	21 33 20	21°19'58	20°32	6°34	21° 9	28°54	19° 7	3°49	13°40	28°32	4°50	26°D 8	27°22	29°50	n.a.	F 21
S 22	21 37 16	22°18'50	3♏18	8° 9	22°24	29°35	19°21	3°55	13°38	28°33	4°52	26° 8	27°19	29°57	n.a.	S 22
S 23	21 41 13	23°17'44	16°23	9°42	23°39	0♎17	19°34	4° 1	13°37	28°34	4°54	26° 9	27°16	0♌ 3	n.a.	S 23
M24	21 45 10	24°16'40	29°50	11°14	24°54	0°58	19°47	4° 7	13°36	28°35	4°57	26°R 9	27°13	0°10	n.a.	M24
T 25	21 49 6	25°15'38	13♐41	12°46	26° 9	1°40	20° 0	4°13	13°34	28°36	4°59	26° 7	27° 9	0°17	n.a.	T 25
W26	21 53 3	26°14'37	27°58	14°16	27°24	2°21	20°13	4°19	13°33	28°38	5° 1	26° 3	27° 6	0°24	n.a.	W26
T 27	21 56 59	27°13'39	12♑38	15°45	28°39	3° 3	20°26	4°25	13°31	28°39	5° 4	25°58	27° 3	0°30	n.a.	T 27
F 28	22 0 56	28°12'42	27°36	17°14	29°54	3°45	20°39	4°30	13°30	28°40	5° 6	25°50	27° 0	0°37	n.a.	F 28
S 29	22 4 52	29°11'47	12♒45	18°42	1♍ 9	4°27	20°52	4°36	13°28	28°42	5° 8	25°41	26°57	0°44	n.a.	S 29
S 30	22 8 49	0♍10'55	27°55	20° 8	2°24	5° 9	21° 5	4°41	13°27	28°43	5°11	25°33	26°54	0°50	n.a.	S 30
M31	22 12 45	1♍10'04	12♓55	21♍34	3♍39	5♎51	21♌18	4♋47	13♈25	28♎44	5♍13	25♎25	26♎50	0♌57	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n 1	14s34	4n59	21n50	1n47	22n18	1n 8	6n14	0n25	17n38	1n 5	23n37	0s 8	5n 0	0s37	9s12	1n55	25n21	16n28	11s 2	11s 3	15n52		n.a.
S 2	19 47	10 41	4 40	21 22	1 47	22 5	1 10	5 58	0 24	17 35	1 5	23 37	0 8	5 0	0 37	9 12	1 55	25 20	16 28	10 58	11 2	15 51		n.a.
M 3	19 34	6 9	4 2	20 53	1 45	21 51	1 11	5 41	0 24	17 31	1 5	23 37	0 8	5 0	0 37	9 13	1 55	25 19	16 28	10 55	11 1	15 50		n.a.
T 4	19 20	1 23	3 8	20 22	1 43	21 36	1 12	5 25	0 23	17 27	1 5	23 37	0 8	4 59	0 37	9 13	1 55	25 18	16 28	10 52	11 0	15 48		n.a.
W 5	19 5	3n20	2 5	19 50	1 41	21 21	1 14	5 8	0 22	17 23	1 5	23 37	0 8	4 59	0 37	9 13	1 55	25 17	16 27	10 51	10 59	15 47		n.a.
T 6	18 51	7 43	0 56	19 17	1 38	21 5	1 15	4 51	0 21	17 19	1 5	23 37	0 8	4 59	0 37	9 13	1 55	25 16	16 27	10 50	10 58	15 46		n.a.
F 7	18 36	11 34	0s14	18 42	1 35	20 48	1 16	4 35	0 21	17 15	1 5	23 37	0 7	4 59	0 37	9 14	1 55	25 15	16 27	10 50	10 56	15 44		n.a.
S 8	18 20	14 44	1 21	18 7	1 31	20 31	1 17	4 18	0 20	17 11	1 5	23 37	0 7	4 58	0 37	9 14	1 55	25 14	16 27	10 50	10 55	15 43		n.a.
S 9	18 5	17 9	2 22	17 30	1 27	20 13	1 18	4 1	0 19	17 7	1 5	23 36	0 7	4 58	0 37	9 14	1 55	25 13	16 27	10 50	10 54	15 42		n.a.
M10	17 49	18 43	3 15	16 53	1 22	19 55	1 19	3 44	0 18	17 3	1 5	23 36	0 7	4 58	0 37	9 15	1 55	25 12	16 26	10 49	10 53	15 40		n.a.
T 11	17 33	19 24	3 59	16 15	1 18	19 36	1 19	3 27	0 18	16 59	1 5	23 36	0 7	4 58	0 37	9 15	1 55	25 11	16 26	10 47	10 52	15 39		n.a.
W12	17 16	19 12	4 32	15 36	1 12	19 17	1 20	3 10	0 17	16 55	1 5	23 36	0 7	4 57	0 37	9 15	1 54	25 10	16 26	10 44	10 51	15 38		n.a.
T 13	16 59	18 10	4 53	14 57	1 7	18 57	1 21	2 53	0 16	16 51	1 5	23 36	0 7	4 57	0 37	9 16	1 54	25 9	16 26	10 40	10 50	15 36		n.a.
F 14	16 42	16 22	5 1	14 17	1 1	18 36	1 22	2 36	0 15	16 47	1 5	23 36	0 7	4 57	0 37	9 16	1 54	25 8	16 26	10 35	10 48	15 35		n.a.
S 15	16 25	13 51	4 56	13 37	0 56	18 15	1 22	2 19	0 15	16 43	1 5	23 36	0 7	4 56	0 37	9 17	1 54	25 7	16 26	10 30	10 47	15 34		n.a.
S 16	16 7	10 47	4 38	12 56	0 50	17 53	1 23	2 2	0 14	16 39	1 5	23 36	0 7	4 56	0 37	9 17	1 54	25 6	16 25	10 25	10 46	15 32		n.a.
M17	15 49	7 15	4 8	12 15	0 43	17 31	1 23	1 45	0 13	16 35	1 5	23 36	0 7	4 55	0 37	9 17	1 54	25 5	16 25	10 21	10 45	15 31		n.a.
T 18	15 31	3 24	3 26	11 34	0 37	17 9	1 23	1 28	0 12	16 31	1 5	23 36	0 7	4 55	0 37	9 18	1 54	25 4	16 25	10 18	10 44	15 30		n.a.
W19	15 12	0s37	2 34	10 52	0 30	16 45	1 24	1 11	0 12	16 27	1 5	23 36	0 6	4 54	0 37	9 18	1 54	25 3	16 25	10 15	10 43	15 28		n.a.
T 20	14 54	4 40	1 35	10 10	0 24	16 22	1 24	0 53	0 11	16 23	1 5	23 36	0 6	4 54	0 37	9 19	1 54	25 2	16 25	10 14	10 41	15 27		n.a.
F 21	14 35	8 35	0 30	9 28	0 17	15 58	1 24	0 36	0 10	16 19	1 5	23 36	0 6	4 53	0 37	9 19	1 54	25 1	16 25	10 13	10 40	15 26		n.a.
S 22	14 15	12 11	0n38	8 46	0 10	15 33	1 24	0 19	0 9	16 15	1 5	23 35	0 6	4 53	0 37	9 20	1 54	25 0	16 25	10 13	10 39	15 24		n.a.
S 23	13 56	15 16	1 46	8 4	0 3	15 8	1 24	0 1	0 9	16 11	1 6	23 35	0 6	4 52	0 37	9 20	1 54	24 59	16 25	10 13	10 38	15 23		n.a.
M24	13 36	17 37	2 50	7 22	0s 5	14 43	1 24	0s16	0 8	16 7	1 6	23 35	0 6	4 52	0 37	9 21	1 54	24 58	16 25	10 13	10 37	15 22		n.a.
T 25	13 16	19 1	3 46	6 40	0 12	14 17	1 24	0 34	0 7	16 3	1 6	23 35	0 6	4 51	0 37	9 21	1 54	24 57	16 25	10 13	10 36	15 20		n.a.
W26	12 56	19 15	4 29	5 59	0 19	13 51	1 24	0 51	0 6	15 59	1 6	23 35	0 6	4 51	0 37	9 22	1 54	24 57	16 24	10 11	10 35	15 19		n.a.
T 27	12 36	18 13	4 57	5 17	0 27	13 25	1 24	1 9	0 6	15 54	1 6	23 35	0 6	4 50	0 37	9 22	1 54	24 56	16 24	10 9	10 33	15 17		n.a.
F 28	12 15	15 56	5 5	4 35	0 34	12 58	1 24	1 26	0 5	15 50	1 6	23 35	0 6	4 49	0 37	9 23	1 53	24 55	16 24	10 6	10 32	15 16		n.a.
S 29	11 54	12 32	4 52	3 54	0 42	12 30	1 24	1 44	0 4	15 46	1 6	23 35	0 6	4 49	0 37	9 23	1 53	24 54	16 24	10 3	10 31	15 15		n.a.
S 30	11 33	8 19	4 18	3 12	0 49	12 3	1 23	2 1	0 3	15 42	1 6	23 35	0 5	4 48	0 37	9 24	1 53	24 53	16 24	10 0	10 30	15 13		n.a.
M31	11n12	3s37	3n27	2n31	0s56	11n35	1n23	2s19	0n 3	15n38	1n 6	23n35	0s 5	4n48	0s37	9s24	1n53	24n52	16n24	9s57	10s29	15n12		n.a.

Julian Day Number = 1539010.5, Delta T = 04h39m04s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'13, Lahiri = -10°51'12 Julian Calendar 1 Aug. 500 BCE == Greg. Calendar 27 July 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

SEPTEMBER 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 16 42	2♍ 9'15	27♓36	22♍59	4♍54	6♎33	21♌30	4♋52	13°R23	28♎46	5♍15	25°R20	26♎47	1♌ 4	n.a.	T 1
W 2	22 20 39	3° 8'29	11♈51	24°22	6° 9	7°15	21°43	4°57	13♈22	28°47	5°18	25♎17	26°44	1°11	n.a.	W 2
T 3	22 24 35	4° 7'45	25°39	25°45	7°24	7°57	21°56	5° 3	13°20	28°49	5°20	25°D17	26°41	1°17	n.a.	T 3
F 4	22 28 32	5° 7'04	8♉58	27° 6	8°39	8°40	22° 9	5° 8	13°18	28°50	5°22	25°17	26°38	1°24	n.a.	F 4
S 5	22 32 28	6° 6'25	21°52	28°27	9°55	9°22	22°22	5°13	13°16	28°52	5°25	25°18	26°35	1°31	n.a.	S 5
S 6	22 36 25	7° 5'49	4♊24	29°46	11°10	10° 4	22°35	5°18	13°15	28°53	5°27	25°R19	26°31	1°38	n.a.	S 6
M 7	22 40 21	8° 5'15	16°39	1♎ 4	12°25	10°47	22°48	5°23	13°13	28°55	5°29	25°19	26°28	1°44	n.a.	M 7
T 8	22 44 18	9° 4'43	28°42	2°20	13°40	11°30	23° 1	5°27	13°11	28°56	5°32	25°17	26°25	1°51	n.a.	T 8
W 9	22 48 14	10° 4'14	10♋37	3°36	14°55	12°12	23°13	5°32	13° 9	28°58	5°34	25°12	26°22	1°58	n.a.	W 9
T 10	22 52 11	11° 3'47	22°28	4°49	16°10	12°55	23°26	5°37	13° 7	29° 0	5°36	25° 6	26°19	2° 4	n.a.	T 10
F 11	22 56 7	12° 3'23	4♌20	6° 1	17°25	13°38	23°39	5°41	13° 5	29° 1	5°39	24°59	26°15	2°11	n.a.	F 11
S 12	23 0 4	13° 3'01	16°15	7°12	18°41	14°21	23°52	5°46	13° 3	29° 3	5°41	24°51	26°12	2°18	n.a.	S 12
S 13	23 4 1	14° 2'41	28°15	8°20	19°56	15° 4	24° 4	5°50	13° 1	29° 5	5°43	24°43	26° 9	2°25	n.a.	S 13
M14	23 7 57	15° 2'23	10♍22	9°27	21°11	15°47	24°17	5°55	12°59	29° 6	5°46	24°36	26° 6	2°31	n.a.	M14
T 15	23 11 54	16° 2'07	22°38	10°31	22°26	16°30	24°29	5°59	12°56	29° 8	5°48	24°30	26° 3	2°38	n.a.	T 15
W16	23 15 50	17° 1'54	5♎ 2	11°33	23°41	17°13	24°42	6° 3	12°54	29°10	5°50	24°26	26° 0	2°45	n.a.	W16
T 17	23 19 47	18° 1'42	17°37	12°32	24°57	17°56	24°54	6° 7	12°52	29°12	5°53	24°24	25°56	2°52	n.a.	T 17
F 18	23 23 43	19° 1'32	0♏23	13°28	26°12	18°39	25° 7	6°11	12°50	29°14	5°55	24°D24	25°53	2°58	n.a.	F 18
S 19	23 27 40	20° 1'25	13°22	14°21	27°27	19°23	25°19	6°15	12°48	29°15	5°57	24°25	25°50	3° 5	n.a.	S 19
S 20	23 31 36	21° 1'19	26°36	15°10	28°42	20° 6	25°32	6°19	12°45	29°17	5°59	24°27	25°47	3°12	n.a.	S 20
M21	23 35 33	22° 1'15	10♐ 6	15°56	29°57	20°50	25°44	6°22	12°43	29°19	6° 2	24°28	25°44	3°18	n.a.	M21
T 22	23 39 29	23° 1'13	23°53	16°36	1♏13	21°33	25°57	6°26	12°41	29°21	6° 4	24°R29	25°41	3°25	n.a.	T 22
W23	23 43 26	24° 1'12	7♑58	17°13	2°28	22°17	26° 9	6°29	12°39	29°23	6° 6	24°28	25°37	3°32	n.a.	W23
T 24	23 47 23	25° 1'13	22°20	17°43	3°43	23° 0	26°21	6°33	12°36	29°25	6° 9	24°26	25°34	3°39	n.a.	T 24
F 25	23 51 19	26° 1'16	6♒56	18° 8	4°58	23°44	26°33	6°36	12°34	29°27	6°11	24°23	25°31	3°45	n.a.	F 25
S 26	23 55 16	27° 1'21	21°40	18°26	6°14	24°28	26°45	6°39	12°32	29°29	6°13	24°19	25°28	3°52	n.a.	S 26
S 27	23 59 12	28° 1'27	6♓26	18°37	7°29	25°12	26°57	6°42	12°29	29°31	6°15	24°15	25°25	3°59	n.a.	S 27
M28	0 3 9	29° 1'35	21° 7	18°R40	8°44	25°56	27° 9	6°45	12°27	29°33	6°17	24°12	25°21	4° 5	n.a.	M28
T 29	0 7 5	0♎ 1'45	5♈35	18°35	9°59	26°40	27°21	6°48	12°24	29°35	6°20	24° 9	25°18	4°12	n.a.	T 29
W30	0 11 2	1♎ 1'57	19♈44	18♎21	11♎14	27♎24	27♌33	6♋51	12♈22	29♎37	6♍22	24°D 8	25♎15	4♌19	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n51	1n13	2n23	1n51	1s 4	11n 7	1n22	2s36	0n 2	15n34	1n 6	23n34	0s 5	4n47	0s37	9s25	1n53	24n51	16n24	9s56	10s28	15n11		n.a.
W 2	10 29	5 51	1 12	1 11	1 11	10 38	1 22	2 54	0 1	15 29	1 6	23 34	0 5	4 46	0 37	9 25	1 53	24 50	16 24	9 54	10 26	15 9		n.a.
T 3	10 7	10 1	0s 2	0 31	1 19	10 9	1 21	3 11	0 0	15 25	1 6	23 34	0 5	4 46	0 37	9 26	1 53	24 49	16 24	9 54	10 25	15 8		n.a.
F 4	9 45	13 31	1 13	0s 9	1 26	9 40	1 20	3 29	0s 0	15 21	1 6	23 34	0 5	4 45	0 37	9 27	1 53	24 48	16 24	9 54	10 24	15 6		n.a.
S 5	9 23	16 15	2 18	0 48	1 33	9 11	1 20	3 46	0 1	15 17	1 6	23 34	0 5	4 44	0 37	9 27	1 53	24 47	16 24	9 55	10 23	15 5		n.a.
S 6	9 1	18 6	3 15	1 26	1 41	8 41	1 19	4 4	0 2	15 13	1 7	23 34	0 5	4 43	0 37	9 28	1 53	24 47	16 24	9 55	10 22	15 4		n.a.
M 7	8 39	19 4	4 1	2 4	1 48	8 11	1 18	4 22	0 2	15 9	1 7	23 34	0 5	4 43	0 37	9 28	1 53	24 46	16 24	9 55	10 21	15 2		n.a.
T 8	8 16	19 9	4 36	2 41	1 55	7 41	1 17	4 39	0 3	15 4	1 7	23 34	0 5	4 42	0 37	9 29	1 53	24 45	16 25	9 54	10 19	15 1		n.a.
W 9	7 53	18 22	4 59	3 18	2 1	7 11	1 16	4 57	0 4	15 0	1 7	23 34	0 5	4 41	0 37	9 30	1 53	24 44	16 25	9 53	10 18	14 59		n.a.
T 10	7 31	16 47	5 8	3 54	2 8	6 40	1 15	5 14	0 5	14 56	1 7	23 33	0 5	4 40	0 37	9 30	1 53	24 43	16 25	9 50	10 17	14 58		n.a.
F 11	7 8	14 30	5 4	4 29	2 15	6 10	1 14	5 32	0 5	14 52	1 7	23 33	0 4	4 39	0 37	9 31	1 53	24 42	16 25	9 48	10 16	14 57		n.a.
S 12	6 45	11 36	4 47	5 3	2 21	5 39	1 13	5 49	0 6	14 48	1 7	23 33	0 4	4 39	0 37	9 32	1 53	24 42	16 25	9 45	10 15	14 55		n.a.
S 13	6 21	8 13	4 18	5 35	2 27	5 8	1 11	6 7	0 7	14 44	1 7	23 33	0 4	4 38	0 37	9 32	1 53	24 41	16 25	9 42	10 14	14 54		n.a.
M14	5 58	4 27	3 36	6 7	2 33	4 37	1 10	6 24	0 7	14 39	1 7	23 33	0 4	4 37	0 37	9 33	1 53	24 40	16 25	9 39	10 12	14 52		n.a.
T 15	5 35	0 27	2 44	6 38	2 38	4 5	1 9	6 41	0 8	14 35	1 7	23 33	0 4	4 36	0 37	9 33	1 53	24 39	16 25	9 37	10 11	14 51		n.a.
W16	5 11	3s36	1 44	7 7	2 43	3 34	1 7	6 59	0 9	14 31	1 7	23 33	0 4	4 35	0 37	9 34	1 53	24 38	16 25	9 36	10 10	14 50		n.a.
T 17	4 48	7 34	0 37	7 35	2 48	3 2	1 6	7 16	0 9	14 27	1 8	23 33	0 4	4 34	0 37	9 35	1 52	24 38	16 25	9 35	10 9	14 48		n.a.
F 18	4 24	11 15	0n33	8 1	2 52	2 31	1 4	7 34	0 10	14 23	1 8	23 33	0 4	4 34	0 37	9 36	1 52	24 37	16 26	9 35	10 8	14 47		n.a.
S 19	4 0	14 27	1 42	8 26	2 56	1 59	1 3	7 51	0 11	14 19	1 8	23 33	0 4	4 33	0 37	9 36	1 52	24 36	16 26	9 35	10 7	14 45		n.a.
S 20	3 36	16 57	2 47	8 48	2 59	1 27	1 1	8 8	0 12	14 15	1 8	23 32	0 4	4 32	0 37	9 37	1 52	24 35	16 26	9 36	10 5	14 44		n.a.
M21	3 12	18 34	3 44	9 8	3 2	0 56	1 0	8 25	0 12	14 10	1 8	23 32	0 4	4 31	0 37	9 38	1 52	24 35	16 26	9 36	10 4	14 43		n.a.
T 22	2 48	19 7	4 30	9 26	3 4	0 24	0 58	8 42	0 13	14 6	1 8	23 32	0 3	4 30	0 37	9 38	1 52	24 34	16 26	9 37	10 3	14 41		n.a.
W23	2 24	18 31	5 0	9 42	3 6	0s 8	0 56	9 0	0 14	14 2	1 8	23 32	0 3	4 29	0 37	9 39	1 52	24 33	16 26	9 36	10 2	14 40		n.a.
T 24	2 0	16 44	5 13	9 54	3 6	0 40	0 54	9 17	0 14	13 58	1 8	23 32	0 3	4 28	0 37	9 40	1 52	24 32	16 27	9 35	10 1	14 38		n.a.
F 25	1 36	13 51	5 6	10 3	3 6	1 12	0 52	9 34	0 15	13 54	1 9	23 32	0 3	4 27	0 38	9 41	1 52	24 32	16 27	9 34	10 0	14 37		n.a.
S 26	1 12	10 5	4 38	10 9	3 4	1 44	0 51	9 51	0 16	13 50	1 9	23 32	0 3	4 26	0 38	9 41	1 52	24 31	16 27	9 33	9 58	14 36		n.a.
S 27	0 48	5 40	3 53	10 11	3 1	2 16	0 49	10 8	0 16	13 46	1 9	23 32	0 3	4 25	0 38	9 42	1 52	24 30	16 27	9 31	9 57	14 34		n.a.
M28	0 24	0 57	2 52	10 8	2 57	2 48	0 47	10 24	0 17	13 42	1 9	23 32	0 3	4 24	0 38	9 43	1 52	24 30	16 28	9 30	9 56	14 33		n.a.
T 29	0s 1	3n47	1 40	10 1	2 52	3 19	0 45	10 41	0 18	13 38	1 9	23 32	0 3	4 23	0 38	9 43	1 52	24 29	16 28	9 29	9 55	14 31		n.a.
W30	0s25	8n11	0n24	9s49	2s45	3s51	0n43	10s58	0s18	13n34	1n 9	23n32	0s 3	4n22	0s38	9s44	1n52	24n29	16n28	9s29	9s54	14n30		n.a.

Julian Day Number = 1539041.5, Delta T = 04h39m03s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'09, Lahiri = -10°51'08 Julian Calendar 1 Sept. 500 BCE == Greg. Calendar 27 Aug. 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

OCTOBER 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 14 58	2♎ 2'11	3♉30	17°R58	12♎30	28♎ 8	27♌45	6♋54	12°R19	29♎39	6♍24	24♎ 9	25♎12	4♌26	n.a.	T 1
F 2	0 18 55	3° 2'27	16°52	17♎25	13°45	28°52	27°57	6°56	12♈17	29°41	6°26	24°10	25° 9	4°32	n.a.	F 2
S 3	0 22 52	4° 2'45	29°51	16°42	15° 0	29°36	28° 9	6°59	12°15	29°43	6°28	24°11	25° 6	4°39	n.a.	S 3
S 4	0 26 48	5° 3'05	12♊27	15°50	16°15	0♏20	28°20	7° 1	12°12	29°45	6°30	24°13	25° 2	4°46	n.a.	S 4
M 5	0 30 45	6° 3'28	24°46	14°50	17°30	1° 5	28°32	7° 3	12°10	29°47	6°33	24°14	24°59	4°53	n.a.	M 5
T 6	0 34 41	7° 3'52	6♋52	13°42	18°46	1°49	28°44	7° 5	12° 7	29°49	6°35	24°R14	24°56	4°59	n.a.	T 6
W 7	0 38 38	8° 4'19	18°48	12°27	20° 1	2°33	28°55	7° 8	12° 5	29°51	6°37	24°14	24°53	5° 6	n.a.	W 7
T 8	0 42 34	9° 4'47	0♌40	11° 9	21°16	3°18	29° 6	7° 9	12° 2	29°53	6°39	24°13	24°50	5°13	n.a.	T 8
F 9	0 46 31	10° 5'18	12°33	9°49	22°31	4° 3	29°18	7°11	12° 0	29°56	6°41	24°11	24°46	5°19	n.a.	F 9
S 10	0 50 27	11° 5'50	24°30	8°30	23°46	4°47	29°29	7°13	11°57	29°58	6°43	24° 9	24°43	5°26	n.a.	S 10
S 11	0 54 24	12° 6'24	6♍35	7°15	25° 2	5°32	29°40	7°15	11°55	29°59	6°45	24° 7	24°40	5°33	n.a.	S 11
M12	0 58 20	13° 7'00	18°50	6° 5	26°17	6°17	29°51	7°16	11°52	0♏ 2	6°47	24° 5	24°37	5°40	n.a.	M12
T 13	1 2 17	14° 7'38	1♎18	5° 4	27°32	7° 2	0♍ 3	7°18	11°50	0° 4	6°49	24° 4	24°34	5°46	n.a.	T 13
W14	1 6 14	15° 8'18	13°59	4°12	28°47	7°46	0°13	7°19	11°47	0° 6	6°51	24° 4	24°31	5°53	n.a.	W14
T 15	1 10 10	16° 8'59	26°54	3°31	0♏ 2	8°31	0°24	7°20	11°45	0° 9	6°53	24°D 3	24°27	6° 0	n.a.	T 15
F 16	1 14 7	17° 9'41	10♏ 4	3° 1	1°18	9°16	0°35	7°21	11°42	0°11	6°55	24° 4	24°24	6° 6	n.a.	F 16
S 17	1 18 3	18°10'25	23°26	2°44	2°33	10° 1	0°46	7°22	11°40	0°13	6°56	24° 4	24°21	6°13	n.a.	S 17
S 18	1 22 0	19°11'11	7♐ 1	2°D38	3°48	10°46	0°57	7°23	11°37	0°15	6°58	24° 5	24°18	6°20	n.a.	S 18
M19	1 25 56	20°11'57	20°46	2°43	5° 3	11°32	1° 7	7°24	11°35	0°18	7° 0	24° 5	24°15	6°27	n.a.	M19
T 20	1 29 53	21°12'45	4♑42	2°58	6°18	12°17	1°18	7°24	11°32	0°20	7° 2	24° 5	24°12	6°33	n.a.	T 20
W21	1 33 49	22°13'34	18°47	3°23	7°33	13° 2	1°28	7°25	11°30	0°22	7° 4	24°R 6	24° 8	6°40	n.a.	W21
T 22	1 37 46	23°14'24	2♒58	3°56	8°49	13°47	1°38	7°25	11°28	0°24	7° 6	24° 6	24° 5	6°47	n.a.	T 22
F 23	1 41 43	24°15'15	17°14	4°37	10° 4	14°33	1°49	7°25	11°25	0°27	7° 7	24°D 6	24° 2	6°53	n.a.	F 23
S 24	1 45 39	25°16'07	1♓32	5°26	11°19	15°18	1°59	7°26	11°23	0°29	7° 9	24° 6	23°59	7° 0	n.a.	S 24
S 25	1 49 36	26°17'00	15°49	6°20	12°34	16° 4	2° 9	7°R26	11°20	0°31	7°11	24° 6	23°56	7° 7	n.a.	S 25
M26	1 53 32	27°17'55	0♈ 0	7°19	13°49	16°49	2°19	7°26	11°18	0°33	7°13	24° 6	23°52	7°14	n.a.	M26
T 27	1 57 29	28°18'50	14° 2	8°24	15° 4	17°35	2°28	7°25	11°16	0°36	7°14	24° 6	23°49	7°20	n.a.	T 27
W28	2 1 25	29°19'46	27°51	9°32	16°19	18°20	2°38	7°25	11°13	0°38	7°16	24°R 6	23°46	7°27	n.a.	W28
T 29	2 5 22	0♏20'43	11♉24	10°43	17°34	19° 6	2°48	7°25	11°11	0°40	7°17	24° 6	23°43	7°34	n.a.	T 29
F 30	2 9 18	1°21'42	24°39	11°58	18°49	19°52	2°57	7°24	11° 9	0°42	7°19	24° 5	23°40	7°41	n.a.	F 30
S 31	2 13 15	2♏22'42	7♊34	13♎15	20♏ 4	20♏37	3♍ 7	7♋24	11♈ 6	0♏45	7♍21	24♎ 4	23♎37	7♌47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	0s49	12n 3	0s51	9s32	2s36	4s23	0n41	11s14	0s19	13n30	1n 9	23n32	0s 3	4n21	0s38	9s45	1n52	24n28	16n28	9s29	9s52	14n28			n.a.
F 2	1 13	15 9	2 2	9 10	2 26	4 54	0 38	11 31	0 20	13 26	1 10	23 32	0 3	4 21	0 38	9 46	1 52	24 27	16 29	9 29	9 51	14 27			n.a.
S 3	1 38	17 23	3 4	8 42	2 14	5 26	0 36	11 48	0 20	13 22	1 10	23 32	0 2	4 20	0 38	9 46	1 52	24 27	16 29	9 30	9 50	14 25			n.a.
S 4	2 2	18 41	3 56	8 9	2 0	5 57	0 34	12 4	0 21	13 18	1 10	23 32	0 2	4 19	0 38	9 47	1 52	24 26	16 29	9 31	9 49	14 24			n.a.
M 5	2 26	19 4	4 35	7 31	1 44	6 28	0 32	12 20	0 22	13 14	1 10	23 32	0 2	4 18	0 38	9 48	1 52	24 26	16 29	9 31	9 48	14 23			n.a.
T 6	2 50	18 33	5 2	6 48	1 27	6 59	0 30	12 36	0 22	13 10	1 10	23 31	0 2	4 17	0 38	9 49	1 52	24 25	16 30	9 31	9 47	14 21			n.a.
W 7	3 15	17 13	5 15	6 1	1 8	7 30	0 27	12 53	0 23	13 6	1 10	23 31	0 2	4 16	0 37	9 50	1 52	24 25	16 30	9 31	9 45	14 20			n.a.
T 8	3 39	15 10	5 14	5 12	0 48	8 1	0 25	13 9	0 24	13 2	1 10	23 31	0 2	4 15	0 37	9 50	1 52	24 24	16 30	9 31	9 44	14 18			n.a.
F 9	4 3	12 28	5 0	4 22	0 28	8 31	0 23	13 25	0 24	12 58	1 11	23 31	0 2	4 14	0 37	9 51	1 52	24 24	16 31	9 30	9 43	14 17			n.a.
S 10	4 27	9 14	4 33	3 31	0 7	9 2	0 20	13 40	0 25	12 54	1 11	23 31	0 2	4 13	0 37	9 52	1 52	24 23	16 31	9 29	9 42	14 15			n.a.
S 11	4 51	5 36	3 54	2 42	0n14	9 32	0 18	13 56	0 25	12 50	1 11	23 31	0 2	4 12	0 37	9 53	1 52	24 23	16 31	9 28	9 41	14 14			n.a.
M12	5 15	1 40	3 3	1 56	0 33	10 2	0 16	14 12	0 26	12 47	1 11	23 31	0 2	4 11	0 37	9 54	1 52	24 22	16 32	9 28	9 40	14 12			n.a.
T 13	5 39	2s24	2 3	1 15	0 52	10 32	0 13	14 27	0 27	12 43	1 11	23 31	0 1	4 10	0 37	9 54	1 52	24 22	16 32	9 27	9 38	14 11			n.a.
W14	6 2	6 26	0 56	0 38	1 9	11 1	0 11	14 43	0 27	12 39	1 11	23 32	0 1	4 9	0 37	9 55	1 52	24 21	16 32	9 27	9 37	14 10			n.a.
T 15	6 26	10 15	0n16	0 7	1 25	11 30	0 8	14 58	0 28	12 35	1 12	23 32	0 1	4 8	0 37	9 56	1 52	24 21	16 33	9 27	9 36	14 8			n.a.
F 16	6 50	13 38	1 28	0n17	1 38	11 59	0 6	15 13	0 29	12 32	1 12	23 32	0 1	4 7	0 37	9 57	1 52	24 20	16 33	9 27	9 35	14 7			n.a.
S 17	7 13	16 22	2 36	0 35	1 50	12 28	0 3	15 28	0 29	12 28	1 12	23 32	0 1	4 6	0 37	9 57	1 52	24 20	16 33	9 27	9 34	14 5			n.a.
S 18	7 36	18 13	3 36	0 46	2 0	12 56	0 1	15 43	0 30	12 24	1 12	23 32	0 1	4 5	0 37	9 58	1 52	24 20	16 34	9 28	9 32	14 4			n.a.
M19	8 0	19 1	4 25	0 52	2 8	13 24	0s 2	15 58	0 30	12 21	1 12	23 32	0 1	4 4	0 37	9 59	1 52	24 19	16 34	9 28	9 31	14 2			n.a.
T 20	8 23	18 41	4 59	0 52	2 15	13 52	0 4	16 13	0 31	12 17	1 13	23 32	0 1	4 3	0 37	10 0	1 52	24 19	16 35	9 28	9 30	14 1			n.a.
W21	8 46	17 12	5 16	0 46	2 19	14 19	0 6	16 27	0 32	12 13	1 13	23 32	0 1	4 2	0 37	10 1	1 51	24 19	16 35	9 28	9 29	13 59			n.a.
T 22	9 9	14 40	5 14	0 36	2 23	14 46	0 9	16 42	0 32	12 10	1 13	23 32	0 1	4 1	0 37	10 1	1 51	24 18	16 35	9 28	9 28	13 58			n.a.
F 23	9 31	11 14	4 52	0 21	2 25	15 12	0 11	16 56	0 33	12 6	1 13	23 32	0 0	4 0	0 37	10 2	1 51	24 18	16 36	9 28	9 27	13 56			n.a.
S 24	9 54	7 9	4 12	0 2	2 25	15 39	0 14	17 10	0 33	12 3	1 13	23 32	0 0	3 59	0 37	10 3	1 51	24 18	16 36	9 28	9 25	13 55			n.a.
S 25	10 16	2 39	3 17	0s20	2 25	16 4	0 16	17 24	0 34	11 59	1 14	23 32	0 0	3 58	0 37	10 4	1 51	24 17	16 37	9 28	9 24	13 53			n.a.
M26	10 39	1n59	2 10	0 45	2 24	16 30	0 19	17 38	0 35	11 56	1 14	23 32	0 0	3 57	0 37	10 5	1 51	24 17	16 37	9 28	9 23	13 52			n.a.
T 27	11 1	6 28	0 56	1 12	2 22	16 55	0 21	17 52	0 35	11 53	1 14	23 32	0 0	3 56	0 37	10 5	1 51	24 17	16 38	9 28	9 22	13 50			n.a.
W28	11 23	10 31	0s21	1 42	2 19	17 19	0 24	18 5	0 36	11 49	1 14	23 33	0n 0	3 56	0 37	10 6	1 51	24 17	16 38	9 28	9 21	13 49			n.a.
T 29	11 45	13 57	1 35	2 14	2 15	17 43	0 26	18 18	0 36	11 46	1 14	23 33	0 0	3 55	0 37	10 7	1 51	24 16	16 38	9 28	9 19	13 47			n.a.
F 30	12 6	16 34	2 41	2 47	2 11	18 7	0 29	18 31	0 37	11 43	1 15	23 33	0 0	3 54	0 37	10 8	1 51	24 16	16 39	9 28	9 18	13 46			n.a.
S 31	12s27	18n16	3s38	3s21	2n 7	18s30	0s31	18s44	0s37	11n39	1n15	23n33	0n 0	3n53	0s37	10s 9	1n51	24n16	16n39	9s27	9s17	13n44			n.a.

Julian Day Number = 1539071.5, Delta T = 04h39m02s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'05, Lahiri = -10°51'04 Julian Calendar 1 Oct. 500 BCE == Greg. Calendar 26 Sept. 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

NOVEMBER 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 17 12	3♏23'43	20♊12	14♎35	21♏19	21♏23	3♍16	7°R23	11°R 4	0♏47	7♍22	24°R 3	23♎33	7♌54	n.a.	S 1
M 2	2 21 8	4°24'46	2♋33	15°56	22°34	22° 9	3°25	7♋22	11♈ 2	0°49	7°24	24♎ 2	23°30	8° 1	n.a.	M 2
T 3	2 25 5	5°25'49	14°40	17°19	23°50	22°55	3°34	7°21	11° 0	0°51	7°25	24° 1	23°27	8° 7	n.a.	T 3
W 4	2 29 1	6°26'54	26°38	18°43	25° 5	23°41	3°43	7°20	10°57	0°54	7°26	24° 0	23°24	8°14	n.a.	W 4
T 5	2 32 58	7°28'00	8♌31	20° 9	26°20	24°27	3°52	7°19	10°55	0°56	7°28	24°D 0	23°21	8°21	n.a.	T 5
F 6	2 36 54	8°29'07	20°23	21°35	27°35	25°13	4° 1	7°17	10°53	0°58	7°29	24° 0	23°17	8°28	n.a.	F 6
S 7	2 40 51	9°30'15	2♍20	23° 2	28°50	25°59	4° 9	7°16	10°51	1° 0	7°31	24° 1	23°14	8°34	n.a.	S 7
S 8	2 44 47	10°31'24	14°26	24°30	0♐ 5	26°45	4°18	7°15	10°49	1° 3	7°32	24° 2	23°11	8°41	n.a.	S 8
M 9	2 48 44	11°32'35	26°45	25°59	1°20	27°31	4°26	7°13	10°47	1° 5	7°33	24° 4	23° 8	8°48	n.a.	M 9
T 10	2 52 41	12°33'46	9♎21	27°28	2°35	28°17	4°34	7°11	10°45	1° 7	7°35	24° 5	23° 5	8°54	n.a.	T 10
W11	2 56 37	13°34'58	22°15	28°58	3°50	29° 4	4°42	7° 9	10°43	1° 9	7°36	24°R 6	23° 2	9° 1	n.a.	W11
T 12	3 0 34	14°36'10	5♏30	0♏28	5° 5	29°50	4°50	7° 7	10°41	1°12	7°37	24° 5	22°58	9° 8	n.a.	T 12
F 13	3 4 30	15°37'24	19° 3	1°59	6°19	0♐36	4°58	7° 5	10°39	1°14	7°38	24° 4	22°55	9°15	n.a.	F 13
S 14	3 8 27	16°38'38	2♐54	3°29	7°34	1°23	5° 6	7° 3	10°37	1°16	7°39	24° 1	22°52	9°21	n.a.	S 14
S 15	3 12 23	17°39'53	16°58	5° 1	8°49	2° 9	5°14	7° 1	10°35	1°18	7°40	23°58	22°49	9°28	n.a.	S 15
M16	3 16 20	18°41'07	1♑11	6°32	10° 4	2°55	5°21	6°59	10°33	1°20	7°41	23°54	22°46	9°35	n.a.	M16
T 17	3 20 17	19°42'23	15°29	8° 4	11°19	3°42	5°28	6°56	10°32	1°23	7°43	23°51	22°43	9°41	n.a.	T 17
W18	3 24 13	20°43'38	29°47	9°35	12°34	4°28	5°36	6°54	10°30	1°25	7°44	23°48	22°39	9°48	n.a.	W18
T 19	3 28 10	21°44'53	14♒ 2	11° 7	13°49	5°15	5°43	6°51	10°28	1°27	7°45	23°47	22°36	9°55	n.a.	T 19
F 20	3 32 6	22°46'09	28°11	12°40	15° 4	6° 2	5°49	6°48	10°26	1°29	7°45	23°D46	22°33	10° 2	n.a.	F 20
S 21	3 36 3	23°47'24	12♓12	14°12	16°19	6°48	5°56	6°45	10°25	1°31	7°46	23°47	22°30	10° 8	n.a.	S 21
S 22	3 39 59	24°48'39	26° 5	15°45	17°33	7°35	6° 3	6°42	10°23	1°33	7°47	23°49	22°27	10°15	n.a.	S 22
M23	3 43 56	25°49'54	9♈48	17°18	18°48	8°22	6° 9	6°39	10°22	1°35	7°48	23°51	22°23	10°22	n.a.	M23
T 24	3 47 52	26°51'09	23°21	18°51	20° 3	9° 8	6°15	6°36	10°20	1°37	7°49	23°R51	22°20	10°28	n.a.	T 24
W25	3 51 49	27°52'24	6♉43	20°25	21°18	9°55	6°22	6°33	10°19	1°40	7°50	23°50	22°17	10°35	n.a.	W25
T 26	3 55 46	28°53'39	19°54	21°59	22°33	10°42	6°28	6°30	10°17	1°42	7°50	23°48	22°14	10°42	n.a.	T 26
F 27	3 59 42	29°54'55	2♊51	23°33	23°47	11°29	6°33	6°26	10°16	1°44	7°51	23°43	22°11	10°49	n.a.	F 27
S 28	4 3 39	0♐56'10	15°36	25° 7	25° 2	12°15	6°39	6°23	10°15	1°46	7°52	23°37	22° 8	10°55	n.a.	S 28
S 29	4 7 35	1°57'25	28° 6	26°42	26°17	13° 2	6°45	6°19	10°13	1°48	7°52	23°30	22° 4	11° 2	n.a.	S 29
M30	4 11 32	2♐58'40	10♋24	28♏16	27♐31	13♐49	6♍50	6♋16	10♈12	1♏50	7♍53	23♎23	22♎ 1	11♌ 9	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	12s49	19n 1	4s23	3s57	2n 2	18s52	0s34	18s57	0s38	11n36	1n15	23n33	0n 0	3n52	0s37	10s 9	1n51	24n16	16n40	9s27	9s16	13n43		n.a.	S 1
M 2	13 10	18 49	4 55	4 34	1 56	19 14	0 36	19 10	0 38	11 33	1 15	23 33	0 1	3 51	0 37	10 10	1 51	24 16	16 40	9 26	9 15	13 41		n.a.	M 2
T 3	13 30	17 46	5 12	5 11	1 51	19 36	0 39	19 22	0 39	11 30	1 15	23 33	0 1	3 50	0 37	10 11	1 51	24 16	16 41	9 26	9 13	13 40		n.a.	T 3
W 4	13 51	15 56	5 16	5 49	1 45	19 57	0 41	19 35	0 40	11 27	1 16	23 34	0 1	3 49	0 37	10 12	1 51	24 16	16 41	9 26	9 12	13 38		n.a.	W 4
T 5	14 11	13 26	5 6	6 27	1 38	20 17	0 43	19 47	0 40	11 24	1 16	23 34	0 1	3 49	0 37	10 13	1 51	24 15	16 42	9 26	9 11	13 37		n.a.	T 5
F 6	14 31	10 24	4 44	7 6	1 32	20 37	0 46	19 59	0 41	11 21	1 16	23 34	0 1	3 48	0 37	10 13	1 51	24 15	16 42	9 26	9 10	13 35		n.a.	F 6
S 7	14 51	6 55	4 9	7 45	1 26	20 56	0 48	20 10	0 41	11 18	1 16	23 34	0 1	3 47	0 37	10 14	1 51	24 15	16 43	9 26	9 9	13 34		n.a.	S 7
S 8	15 10	3 6	3 22	8 24	1 19	21 15	0 50	20 22	0 42	11 15	1 17	23 34	0 1	3 46	0 37	10 15	1 51	24 15	16 43	9 27	9 7	13 32		n.a.	S 8
M 9	15 30	0s55	2 25	9 3	1 12	21 33	0 53	20 33	0 42	11 12	1 17	23 35	0 1	3 45	0 37	10 16	1 51	24 15	16 44	9 27	9 6	13 31		n.a.	M 9
T 10	15 49	4 59	1 21	9 42	1 5	21 51	0 55	20 44	0 43	11 9	1 17	23 35	0 1	3 44	0 37	10 17	1 51	24 15	16 44	9 28	9 5	13 29		n.a.	T 10
W11	16 7	8 56	0 10	10 21	0 58	22 7	0 57	20 55	0 43	11 6	1 17	23 35	0 2	3 44	0 37	10 17	1 51	24 15	16 45	9 28	9 4	13 28		n.a.	W11
T 12	16 26	12 33	1n 2	10 59	0 51	22 24	0 59	21 6	0 44	11 4	1 18	23 35	0 2	3 43	0 37	10 18	1 51	24 15	16 45	9 28	9 3	13 26		n.a.	T 12
F 13	16 44	15 35	2 13	11 38	0 44	22 39	1 1	21 16	0 44	11 1	1 18	23 35	0 2	3 42	0 37	10 19	1 52	24 15	16 46	9 27	9 2	13 25		n.a.	F 13
S 14	17 2	17 47	3 18	12 16	0 37	22 54	1 3	21 26	0 45	10 58	1 18	23 36	0 2	3 42	0 37	10 20	1 52	24 15	16 46	9 26	9 0	13 23		n.a.	S 14
S 15	17 19	18 57	4 11	12 53	0 30	23 8	1 5	21 36	0 45	10 56	1 18	23 36	0 2	3 41	0 37	10 20	1 52	24 15	16 47	9 25	8 59	13 22		n.a.	S 15
M16	17 37	18 55	4 50	13 31	0 23	23 22	1 7	21 46	0 46	10 53	1 19	23 36	0 2	3 40	0 37	10 21	1 52	24 15	16 48	9 24	8 58	13 20		n.a.	M16
T 17	17 54	17 42	5 10	14 7	0 16	23 35	1 9	21 55	0 46	10 51	1 19	23 36	0 2	3 39	0 37	10 22	1 52	24 15	16 48	9 22	8 57	13 19		n.a.	T 17
W18	18 10	15 23	5 12	14 44	0 9	23 47	1 11	22 5	0 47	10 48	1 19	23 37	0 2	3 39	0 37	10 23	1 52	24 16	16 49	9 21	8 56	13 17		n.a.	W18
T 19	18 26	12 8	4 54	15 20	0 2	23 58	1 13	22 14	0 47	10 46	1 19	23 37	0 2	3 38	0 37	10 23	1 52	24 16	16 49	9 21	8 54	13 16		n.a.	T 19
F 20	18 42	8 13	4 19	15 55	0s 5	24 9	1 15	22 23	0 48	10 44	1 20	23 37	0 2	3 37	0 37	10 24	1 52	24 16	16 50	9 21	8 53	13 14		n.a.	F 20
S 21	18 58	3 52	3 28	16 29	0 11	24 19	1 17	22 31	0 48	10 41	1 20	23 37	0 3	3 37	0 37	10 25	1 52	24 16	16 50	9 21	8 52	13 13		n.a.	S 21
S 22	19 13	0n39	2 26	17 3	0 18	24 28	1 19	22 40	0 49	10 39	1 20	23 38	0 3	3 36	0 37	10 26	1 52	24 16	16 51	9 22	8 51	13 11		n.a.	S 22
M23	19 28	5 6	1 16	17 37	0 24	24 36	1 20	22 48	0 49	10 37	1 20	23 38	0 3	3 36	0 37	10 26	1 52	24 16	16 52	9 22	8 50	13 10		n.a.	M23
T 24	19 43	9 14	0 3	18 9	0 31	24 44	1 22	22 56	0 49	10 35	1 21	23 38	0 3	3 35	0 37	10 27	1 52	24 17	16 52	9 22	8 48	13 8		n.a.	T 24
W25	19 57	12 50	1s10	18 41	0 37	24 51	1 24	23 3	0 50	10 33	1 21	23 38	0 3	3 35	0 37	10 28	1 52	24 17	16 53	9 22	8 47	13 7		n.a.	W25
T 26	20 10	15 45	2 17	19 12	0 43	24 57	1 25	23 10	0 50	10 31	1 21	23 39	0 3	3 34	0 37	10 28	1 52	24 17	16 53	9 21	8 46	13 5		n.a.	T 26
F 27	20 24	17 48	3 16	19 42	0 49	25 3	1 27	23 18	0 51	10 29	1 21	23 39	0 3	3 33	0 37	10 29	1 52	24 17	16 54	9 20	8 45	13 4		n.a.	F 27
S 28	20 37	18 55	4 5	20 11	0 55	25 7	1 28	23 24	0 51	10 27	1 22	23 39	0 3	3 33	0 36	10 30	1 52	24 18	16 54	9 17	8 44	13 2		n.a.	S 28
S 29	20 49	19 4	4 40	20 40	1 1	25 11	1 29	23 31	0 52	10 25	1 22	23 39	0 3	3 32	0 36	10 30	1 52	24 18	16 55	9 15	8 42	13 0		n.a.	S 29
M30	21s 2	18n20	5s 2	21s 7	1s 7	25s14	1s31	23s37	0s52	10n23	1n22	23n40	0n 4	3n32	0s36	10s31	1n52	24n18	16n56	9s12	8s41	12n59		n.a.	M30

Julian Day Number = 1539102.5, Delta T = 04h39m01s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°58'00, Lahiri = -10°51'00 Julian Calendar 1 Nov. 500 BCE == Greg. Calendar 27 Oct. 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 500 BCE
geocentric

DECEMBER 500 BCE (-499) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 15 28	3♐59'56	22♋30	29♏52	28♐46	14♐36	6♍55	6°R12	10°R11	1♏52	7♍54	23°R16	21♎58	11♌16	n.a.	T 1
W 2	4 19 25	5° 1'11	4♌28	1♐27	0♑ 1	15°23	7° 0	6♋ 8	10♈10	1°54	7°54	23♎10	21°55	11°22	n.a.	W 2
T 3	4 23 21	6° 2'27	16°20	3° 3	1°15	16°10	7° 5	6° 4	10° 9	1°56	7°55	23° 6	21°52	11°29	n.a.	T 3
F 4	4 27 18	7° 3'42	28°11	4°40	2°30	16°57	7°10	6° 1	10° 8	1°58	7°55	23° 3	21°49	11°36	n.a.	F 4
S 5	4 31 15	8° 4'57	10♍ 6	6°16	3°44	17°44	7°14	5°57	10° 6	2° 0	7°56	23°D 3	21°45	11°42	n.a.	S 5
S 6	4 35 11	9° 6'13	22° 9	7°53	4°59	18°31	7°19	5°53	10° 6	2° 1	7°56	23° 3	21°42	11°49	n.a.	S 6
M 7	4 39 8	10° 7'28	4♎26	9°31	6°13	19°18	7°23	5°48	10° 5	2° 3	7°56	23° 5	21°39	11°56	n.a.	M 7
T 8	4 43 4	11° 8'43	17° 2	11° 9	7°28	20° 5	7°27	5°44	10° 4	2° 5	7°57	23°R 6	21°36	12° 3	n.a.	T 8
W 9	4 47 1	12° 9'58	0♏ 1	12°47	8°42	20°52	7°31	5°40	10° 3	2° 7	7°57	23° 6	21°33	12° 9	n.a.	W 9
T 10	4 50 57	13°11'13	13°25	14°26	9°57	21°40	7°34	5°36	10° 2	2° 9	7°57	23° 4	21°29	12°16	n.a.	T 10
F 11	4 54 54	14°12'27	27°14	16° 6	11°11	22°27	7°38	5°31	10° 1	2°11	7°57	23° 0	21°26	12°23	n.a.	F 11
S 12	4 58 50	15°13'41	11♐27	17°45	12°26	23°14	7°41	5°27	10° 1	2°12	7°58	22°53	21°23	12°29	n.a.	S 12
S 13	5 2 47	16°14'55	25°59	19°26	13°40	24° 1	7°44	5°22	10° 0	2°14	7°58	22°45	21°20	12°36	n.a.	S 13
M14	5 6 44	17°16'08	10♑42	21° 6	14°54	24°48	7°47	5°18	10° 0	2°16	7°58	22°36	21°17	12°43	n.a.	M14
T 15	5 10 40	18°17'20	25°29	22°47	16° 9	25°36	7°50	5°13	9°59	2°18	7°58	22°27	21°14	12°50	n.a.	T 15
W16	5 14 37	19°18'31	10♒12	24°29	17°23	26°23	7°53	5° 9	9°59	2°19	7°58	22°19	21°10	12°56	n.a.	W16
T 17	5 18 33	20°19'41	24°43	26°11	18°37	27°10	7°55	5° 4	9°58	2°21	7°R58	22°14	21° 7	13° 3	n.a.	T 17
F 18	5 22 30	21°20'50	9♓ 0	27°54	19°51	27°57	7°57	4°59	9°58	2°23	7°58	22°11	21° 4	13°10	n.a.	F 18
S 19	5 26 26	22°21'57	23° 0	29°36	21° 6	28°45	7°59	4°55	9°57	2°24	7°58	22°D11	21° 1	13°16	n.a.	S 19
S 20	5 30 23	23°23'04	6♈42	1♑20	22°20	29°32	8° 1	4°50	9°57	2°26	7°58	22°11	20°58	13°23	n.a.	S 20
M21	5 34 20	24°24'09	20° 8	3° 3	23°34	0♑19	8° 3	4°45	9°57	2°28	7°58	22°R12	20°55	13°30	n.a.	M21
T 22	5 38 16	25°25'14	3♉20	4°46	24°48	1° 7	8° 4	4°40	9°57	2°29	7°57	22°11	20°51	13°37	n.a.	T 22
W23	5 42 13	26°26'17	16°19	6°30	26° 2	1°54	8° 6	4°36	9°57	2°31	7°57	22° 9	20°48	13°43	n.a.	W23
T 24	5 46 9	27°27'19	29° 7	8°14	27°16	2°41	8° 7	4°31	9°D57	2°32	7°57	22° 3	20°45	13°50	n.a.	T 24
F 25	5 50 6	28°28'19	11♊45	9°57	28°30	3°29	8° 8	4°26	9°57	2°34	7°57	21°55	20°42	13°57	n.a.	F 25
S 26	5 54 2	29°29'19	24°13	11°40	29°44	4°16	8° 8	4°21	9°57	2°35	7°56	21°44	20°39	14° 3	n.a.	S 26
S 27	5 57 59	0♑30'18	6♋31	13°22	0♒58	5° 3	8° 9	4°16	9°57	2°36	7°56	21°31	20°35	14°10	n.a.	S 27
M28	6 1 55	1°31'15	18°41	15° 4	2°11	5°51	8° 9	4°11	9°57	2°38	7°56	21°18	20°32	14°17	n.a.	M28
T 29	6 5 52	2°32'11	0♌43	16°45	3°25	6°38	8°R 9	4° 6	9°57	2°39	7°55	21° 4	20°29	14°24	n.a.	T 29
W30	6 9 49	3°33'06	12°38	18°24	4°39	7°26	8° 9	4° 1	9°58	2°41	7°55	20°53	20°26	14°30	n.a.	W30
T 31	6 13 45	4♑34'01	24♌29	20♑ 1	5♒53	8♑13	8♍ 9	3♋57	9♈58	2♏42	7♍54	20♎43	20♎23	14♌37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s13	16n46	5s 9	21s33	1s12	25s17	1s32	23s43	0s52	10n22	1n23	23n40	0n 4	3n32	0s36	10s32	1n52	24n18	16n56	9s 9	8s40	12n57			n.a.
W 2	21 25	14 29	5 3	21 59	1 17	25 18	1 33	23 49	0 53	10 20	1 23	23 40	0 4	3 31	0 36	10 32	1 52	24 19	16 57	9 7	8 39	12 56			n.a.
T 3	21 36	11 37	4 45	22 23	1 22	25 19	1 34	23 54	0 53	10 18	1 23	23 41	0 4	3 31	0 36	10 33	1 52	24 19	16 57	9 5	8 38	12 54			n.a.
F 4	21 46	8 18	4 13	22 46	1 27	25 19	1 35	24 0	0 54	10 17	1 23	23 41	0 4	3 30	0 36	10 34	1 52	24 19	16 58	9 5	8 36	12 53			n.a.
S 5	21 57	4 38	3 31	23 8	1 31	25 18	1 36	24 5	0 54	10 15	1 24	23 41	0 4	3 30	0 36	10 34	1 52	24 20	16 59	9 4	8 35	12 51			n.a.
S 6	22 6	0 43	2 39	23 29	1 36	25 17	1 37	24 9	0 54	10 14	1 24	23 42	0 4	3 30	0 36	10 35	1 52	24 20	16 59	9 5	8 34	12 50			n.a.
M 7	22 16	3s18	1 39	23 49	1 40	25 14	1 38	24 14	0 55	10 13	1 24	23 42	0 4	3 29	0 36	10 36	1 52	24 21	17 0	9 5	8 33	12 48			n.a.
T 8	22 24	7 17	0 33	24 7	1 44	25 11	1 39	24 18	0 55	10 12	1 25	23 42	0 5	3 29	0 36	10 36	1 52	24 21	17 0	9 6	8 32	12 47			n.a.
W 9	22 33	11 3	0n37	24 24	1 47	25 7	1 40	24 22	0 56	10 10	1 25	23 42	0 5	3 29	0 36	10 37	1 52	24 21	17 1	9 6	8 30	12 45			n.a.
T 10	22 41	14 22	1 47	24 39	1 50	25 3	1 40	24 25	0 56	10 9	1 25	23 43	0 5	3 28	0 36	10 37	1 52	24 22	17 1	9 5	8 29	12 43			n.a.
F 11	22 48	17 0	2 53	24 53	1 53	24 57	1 41	24 28	0 56	10 8	1 26	23 43	0 5	3 28	0 36	10 38	1 52	24 22	17 2	9 3	8 28	12 42			n.a.
S 12	22 55	18 39	3 50	25 6	1 56	24 51	1 41	24 31	0 57	10 7	1 26	23 43	0 5	3 28	0 36	10 39	1 52	24 23	17 3	9 1	8 27	12 40			n.a.
S 13	23 2	19 9	4 33	25 17	1 58	24 44	1 42	24 34	0 57	10 6	1 26	23 44	0 5	3 28	0 36	10 39	1 52	24 23	17 3	8 58	8 26	12 39			n.a.
M14	23 8	18 21	4 59	25 27	2 0	24 36	1 42	24 36	0 57	10 6	1 26	23 44	0 5	3 27	0 36	10 40	1 52	24 24	17 4	8 54	8 24	12 37			n.a.
T 15	23 14	16 20	5 5	25 34	2 1	24 28	1 43	24 38	0 58	10 5	1 27	23 44	0 5	3 27	0 36	10 40	1 52	24 24	17 4	8 51	8 23	12 36			n.a.
W16	23 19	13 15	4 51	25 40	2 2	24 18	1 43	24 40	0 58	10 4	1 27	23 45	0 5	3 27	0 36	10 41	1 52	24 25	17 5	8 48	8 22	12 34			n.a.
T 17	23 24	9 24	4 18	25 45	2 3	24 8	1 43	24 42	0 58	10 3	1 27	23 45	0 6	3 27	0 36	10 41	1 52	24 25	17 6	8 46	8 21	12 32			n.a.
F 18	23 28	5 4	3 30	25 47	2 3	23 58	1 43	24 43	0 59	10 3	1 28	23 45	0 6	3 27	0 36	10 42	1 53	24 26	17 6	8 45	8 20	12 31			n.a.
S 19	23 32	0 32	2 29	25 48	2 3	23 46	1 43	24 44	0 59	10 2	1 28	23 45	0 6	3 27	0 36	10 42	1 53	24 27	17 7	8 45	8 18	12 29			n.a.
S 20	23 35	3n57	1 22	25 47	2 2	23 34	1 43	24 44	0 59	10 2	1 28	23 46	0 6	3 27	0 36	10 43	1 53	24 27	17 7	8 45	8 17	12 28			n.a.
M21	23 38	8 8	0 11	25 44	2 1	23 21	1 43	24 45	0 59	10 2	1 29	23 46	0 6	3 27	0 36	10 43	1 53	24 28	17 8	8 45	8 16	12 26			n.a.
T 22	23 40	11 52	0s59	25 39	1 59	23 8	1 43	24 45	1 0	10 1	1 29	23 46	0 6	3 27	0 36	10 44	1 53	24 28	17 9	8 45	8 15	12 25			n.a.
W23	23 42	14 57	2 5	25 32	1 57	22 53	1 42	24 44	1 0	10 1	1 29	23 47	0 6	3 27	0 36	10 44	1 53	24 29	17 9	8 44	8 13	12 23			n.a.
T 24	23 44	17 15	3 3	25 23	1 53	22 39	1 42	24 44	1 0	10 1	1 29	23 47	0 6	3 27	0 36	10 45	1 53	24 29	17 10	8 42	8 12	12 21			n.a.
F 25	23 45	18 40	3 51	25 12	1 50	22 23	1 41	24 43	1 1	10 1	1 30	23 47	0 6	3 27	0 36	10 45	1 53	24 30	17 10	8 39	8 11	12 20			n.a.
S 26	23 45	19 10	4 28	24 59	1 45	22 7	1 41	24 42	1 1	10 1	1 30	23 47	0 7	3 27	0 36	10 46	1 53	24 31	17 11	8 35	8 10	12 18			n.a.
S 27	23 45	18 45	4 51	24 44	1 40	21 50	1 40	24 40	1 1	10 1	1 30	23 48	0 7	3 27	0 35	10 46	1 53	24 31	17 11	8 30	8 9	12 17			n.a.
M28	23 45	17 28	5 1	24 27	1 34	21 33	1 39	24 39	1 1	10 1	1 31	23 48	0 7	3 27	0 35	10 47	1 53	24 32	17 12	8 25	8 7	12 15			n.a.
T 29	23 44	15 26	4 57	24 8	1 28	21 15	1 39	24 37	1 2	10 1	1 31	23 48	0 7	3 27	0 35	10 47	1 53	24 33	17 12	8 20	8 6	12 14			n.a.
W30	23 42	12 46	4 40	23 48	1 20	20 56	1 38	24 34	1 2	10 2	1 31	23 48	0 7	3 27	0 35	10 48	1 53	24 33	17 13	8 15	8 5	12 12			n.a.
T 31	23s40	9n35	4s11	23s26	1s12	20s37	1s37	24s32	1s 2	10n 2	1n32	23n49	0n 7	3n27	0s35	10s48	1n53	24n34	17n14	8s12	8s 4	12n10			n.a.

Julian Day Number = 1539132.5, Delta T = 04h38m59s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'56, Lahiri = -10°50'56 Julian Calendar 1 Dec. 500 BCE == Greg. Calendar 26 Nov. 500 BCE

The year -499 astronomical counting style corresponds to year 500 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

JANUARY 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 17 42	5♉34'54	6♍18	21♉36	7♒ 6	9♉ 0	8°R 9	3°R52	9♈58	2♏43	7°R54	20°R37	20♎20	14♌44	n.a.	F 1
S 2	6 21 38	6°35'45	18°11	23° 9	8°20	9°48	8♍ 8	3♋47	9°59	2°44	7♍53	20♎33	20°16	14°50	n.a.	S 2
S 3	6 25 35	7°36'36	0♎11	24°38	9°33	10°35	8° 7	3°42	9°59	2°46	7°53	20°32	20°13	14°57	n.a.	S 3
M 4	6 29 31	8°37'26	12°24	26° 3	10°47	11°22	8° 6	3°37	10° 0	2°47	7°52	20°D32	20°10	15° 4	n.a.	M 4
T 5	6 33 28	9°38'15	24°56	27°24	12° 0	12°10	8° 5	3°32	10° 0	2°48	7°51	20°R32	20° 7	15°10	n.a.	T 5
W 6	6 37 24	10°39'02	7♏50	28°40	13°14	12°57	8° 4	3°27	10° 1	2°49	7°51	20°31	20° 4	15°17	n.a.	W 6
T 7	6 41 21	11°39'49	21°12	29°49	14°27	13°45	8° 2	3°22	10° 2	2°50	7°50	20°28	20° 1	15°24	n.a.	T 7
F 8	6 45 18	12°40'34	5♐ 4	0♒53	15°40	14°32	8° 0	3°18	10° 2	2°51	7°49	20°22	19°57	15°31	n.a.	F 8
S 9	6 49 14	13°41'18	19°24	1°48	16°53	15°19	7°58	3°13	10° 3	2°52	7°48	20°13	19°54	15°37	n.a.	S 9
S 10	6 53 11	14°42'00	4♉10	2°36	18° 7	16° 7	7°56	3° 8	10° 4	2°53	7°48	20° 3	19°51	15°44	n.a.	S 10
M11	6 57 7	15°42'41	19°13	3°14	19°20	16°54	7°54	3° 3	10° 5	2°54	7°47	19°51	19°48	15°51	n.a.	M11
T 12	7 1 4	16°43'21	4♒23	3°44	20°33	17°42	7°51	2°59	10° 6	2°55	7°46	19°39	19°45	15°57	n.a.	T 12
W13	7 5 0	17°43'58	19°31	4° 3	21°46	18°29	7°49	2°54	10° 7	2°56	7°45	19°29	19°41	16° 4	n.a.	W13
T 14	7 8 57	18°44'34	4♓25	4°R12	22°59	19°16	7°46	2°49	10° 8	2°57	7°44	19°22	19°38	16°11	n.a.	T 14
F 15	7 12 53	19°45'08	18°59	4°11	24°11	20° 4	7°43	2°45	10° 9	2°58	7°43	19°17	19°35	16°18	n.a.	F 15
S 16	7 16 50	20°45'39	3♈10	3°59	25°24	20°51	7°39	2°40	10°10	2°59	7°42	19°15	19°32	16°24	n.a.	S 16
S 17	7 20 47	21°46'09	16°56	3°37	26°37	21°38	7°36	2°36	10°11	2°59	7°41	19°14	19°29	16°31	n.a.	S 17
M18	7 24 43	22°46'37	0♉20	3° 6	27°49	22°26	7°32	2°31	10°13	3° 0	7°40	19°14	19°26	16°38	n.a.	M18
T 19	7 28 40	23°47'02	13°23	2°26	29° 2	23°13	7°29	2°27	10°14	3° 1	7°39	19°13	19°22	16°44	n.a.	T 19
W20	7 32 36	24°47'26	26°10	1°38	0♓14	24° 0	7°25	2°22	10°15	3° 2	7°38	19°10	19°19	16°51	n.a.	W20
T 21	7 36 33	25°47'48	8♊43	0°43	1°27	24°48	7°21	2°18	10°17	3° 2	7°37	19° 4	19°16	16°58	n.a.	T 21
F 22	7 40 29	26°48'07	21° 5	29♉44	2°39	25°35	7°16	2°14	10°18	3° 3	7°36	18°55	19°13	17° 5	n.a.	F 22
S 23	7 44 26	27°48'25	3♋19	28°41	3°51	26°22	7°12	2°10	10°19	3° 3	7°35	18°44	19°10	17°11	n.a.	S 23
S 24	7 48 22	28°48'41	15°25	27°36	5° 3	27° 9	7° 7	2° 5	10°21	3° 4	7°34	18°30	19° 7	17°18	n.a.	S 24
M25	7 52 19	29°48'54	27°26	26°31	6°16	27°57	7° 2	2° 1	10°23	3° 5	7°32	18°16	19° 3	17°25	n.a.	M25
T 26	7 56 16	0♒49'06	9♌21	25°28	7°27	28°44	6°58	1°57	10°24	3° 5	7°31	18° 2	19° 0	17°31	n.a.	T 26
W27	8 0 12	1°49'16	21°14	24°27	8°39	29°31	6°53	1°54	10°26	3° 5	7°30	17°49	18°57	17°38	n.a.	W27
T 28	8 4 9	2°49'24	3♍ 4	23°30	9°51	0♒18	6°47	1°50	10°28	3° 6	7°29	17°39	18°54	17°45	n.a.	T 28
F 29	8 8 5	3°49'30	14°54	22°38	11° 3	1° 5	6°42	1°46	10°29	3° 6	7°27	17°31	18°51	17°52	n.a.	F 29
S 30	8 12 2	4°49'34	26°48	21°52	12°14	1°52	6°36	1°42	10°31	3° 7	7°26	17°27	18°47	17°58	n.a.	S 30
S 31	8 15 58	5♒49'36	8♎49	21♉12	13♓26	2♒39	6♍31	1♋39	10♈33	3♏ 7	7♍25	17♎25	18♎44	18♌ 5	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s38	6n 3	3s32	23s 2	1s 3	20s17	1s36	24s29	1s 2	10n 3	1n32	23n49	0n 7	3n28	0s35	10s48	1n53	24n35	17n14	8s 9	8s 3	12n 9		n.a.
S 2	23 35	2 15	2 42	22 36	0 53	19 57	1 35	24 25	1 2	10 3	1 32	23 49	0 7	3 28	0 35	10 49	1 53	24 36	17 15	8 8	8 1	12 7		n.a.
S 3	23 32	1s41	1 46	22 10	0 42	19 36	1 34	24 22	1 3	10 4	1 33	23 49	0 7	3 28	0 35	10 49	1 53	24 36	17 15	8 7	8 0	12 6		n.a.
M 4	23 28	5 37	0 43	21 43	0 30	19 14	1 32	24 18	1 3	10 4	1 33	23 50	0 8	3 28	0 35	10 49	1 53	24 37	17 16	8 7	7 59	12 4		n.a.
T 5	23 24	9 25	0n23	21 15	0 18	18 52	1 31	24 14	1 3	10 5	1 33	23 50	0 8	3 29	0 35	10 50	1 53	24 38	17 16	8 7	7 58	12 2		n.a.
W 6	23 19	12 53	1 30	20 46	0 4	18 30	1 29	24 10	1 3	10 6	1 33	23 50	0 8	3 29	0 35	10 50	1 53	24 38	17 17	8 7	7 57	12 1		n.a.
T 7	23 14	15 49	2 35	20 17	0n10	18 7	1 28	24 5	1 3	10 7	1 34	23 50	0 8	3 29	0 35	10 50	1 54	24 39	17 17	8 6	7 55	11 59		n.a.
F 8	23 8	17 57	3 32	19 49	0 25	17 43	1 26	24 0	1 4	10 8	1 34	23 51	0 8	3 29	0 35	10 51	1 54	24 40	17 18	8 3	7 54	11 58		n.a.
S 9	23 2	19 2	4 18	19 21	0 41	17 19	1 25	23 55	1 4	10 9	1 34	23 51	0 8	3 30	0 35	10 51	1 54	24 41	17 18	8 0	7 53	11 56		n.a.
S 10	22 56	18 52	4 49	18 55	0 57	16 55	1 23	23 49	1 4	10 10	1 35	23 51	0 8	3 30	0 35	10 51	1 54	24 41	17 19	7 56	7 52	11 54		n.a.
M11	22 49	17 24	5 0	18 30	1 14	16 30	1 21	23 44	1 4	10 11	1 35	23 51	0 8	3 31	0 35	10 52	1 54	24 42	17 19	7 52	7 50	11 53		n.a.
T 12	22 41	14 43	4 50	18 6	1 30	16 5	1 19	23 38	1 4	10 12	1 35	23 52	0 8	3 31	0 35	10 52	1 54	24 43	17 20	7 47	7 49	11 51		n.a.
W13	22 34	11 2	4 20	17 45	1 47	15 39	1 17	23 31	1 4	10 13	1 36	23 52	0 8	3 31	0 35	10 52	1 54	24 44	17 20	7 43	7 48	11 50		n.a.
T 14	22 25	6 43	3 33	17 27	2 4	15 13	1 15	23 25	1 4	10 15	1 36	23 52	0 9	3 32	0 35	10 52	1 54	24 45	17 21	7 40	7 47	11 48		n.a.
F 15	22 17	2 5	2 32	17 11	2 21	14 47	1 13	23 18	1 5	10 16	1 36	23 52	0 9	3 32	0 35	10 53	1 54	24 45	17 21	7 39	7 46	11 46		n.a.
S 16	22 8	2n33	1 24	16 58	2 37	14 20	1 11	23 11	1 5	10 18	1 36	23 52	0 9	3 33	0 35	10 53	1 54	24 46	17 22	7 38	7 44	11 45		n.a.
S 17	21 58	6 56	0 12	16 49	2 52	13 53	1 9	23 3	1 5	10 19	1 37	23 53	0 9	3 33	0 35	10 53	1 54	24 47	17 22	7 38	7 43	11 43		n.a.
M18	21 48	10 50	0s58	16 43	3 6	13 25	1 6	22 56	1 5	10 21	1 37	23 53	0 9	3 34	0 35	10 53	1 54	24 48	17 23	7 38	7 42	11 42		n.a.
T 19	21 38	14 6	2 4	16 40	3 18	12 57	1 4	22 48	1 5	10 23	1 37	23 53	0 9	3 34	0 35	10 53	1 54	24 49	17 23	7 37	7 41	11 40		n.a.
W20	21 27	16 36	3 2	16 40	3 29	12 29	1 1	22 39	1 5	10 24	1 37	23 53	0 9	3 35	0 35	10 54	1 54	24 49	17 24	7 36	7 39	11 38		n.a.
T 21	21 16	18 16	3 50	16 43	3 38	12 1	0 59	22 31	1 5	10 26	1 38	23 53	0 9	3 36	0 35	10 54	1 54	24 50	17 24	7 34	7 38	11 37		n.a.
F 22	21 4	19 2	4 26	16 49	3 44	11 32	0 56	22 22	1 5	10 28	1 38	23 53	0 9	3 36	0 35	10 54	1 54	24 51	17 24	7 30	7 37	11 35		n.a.
S 23	20 52	18 53	4 49	16 57	3 49	11 3	0 53	22 13	1 5	10 30	1 38	23 54	0 10	3 37	0 34	10 54	1 54	24 52	17 25	7 26	7 36	11 33		n.a.
S 24	20 40	17 53	4 59	17 8	3 51	10 34	0 51	22 4	1 5	10 32	1 39	23 54	0 10	3 37	0 34	10 54	1 55	24 53	17 25	7 21	7 35	11 32		n.a.
M25	20 27	16 6	4 56	17 20	3 52	10 4	0 48	21 55	1 5	10 34	1 39	23 54	0 10	3 38	0 34	10 54	1 55	24 54	17 26	7 15	7 33	11 30		n.a.
T 26	20 14	13 39	4 40	17 34	3 50	9 35	0 45	21 45	1 5	10 36	1 39	23 54	0 10	3 39	0 34	10 54	1 55	24 54	17 26	7 10	7 32	11 29		n.a.
W27	20 1	10 39	4 11	17 49	3 45	9 5	0 42	21 35	1 5	10 38	1 39	23 54	0 10	3 39	0 34	10 55	1 55	24 55	17 26	7 5	7 31	11 27		n.a.
T 28	19 47	7 13	3 32	18 4	3 40	8 34	0 39	21 25	1 6	10 40	1 39	23 54	0 10	3 40	0 34	10 55	1 55	24 56	17 27	7 1	7 30	11 25		n.a.
F 29	19 33	3 31	2 43	18 20	3 32	8 4	0 36	21 15	1 6	10 42	1 40	23 55	0 10	3 41	0 34	10 55	1 55	24 57	17 27	6 58	7 29	11 24		n.a.
S 30	19 18	0s21	1 47	18 37	3 23	7 34	0 33	21 4	1 6	10 45	1 40	23 55	0 10	3 42	0 34	10 55	1 55	24 58	17 27	6 56	7 27	11 22		n.a.
S 31	19s 4	4s14	0s46	18s53	3n13	7s 3	0s29	20s53	1s 6	10n47	1n40	23n55	0n10	3n42	0s34	10s55	1n55	24n59	17n28	6s56	7s26	11n20		n.a.

Julian Day Number = 1539163.5, Delta T = 04h38m58s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'52, Lahiri = -10°50'52 Julian Calendar 1 Jan. 499 BCE == Greg. Calendar 27 Dec. 500 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

FEBRUARY 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 19 55	6♒49'37	21♎ 1	20°R39	14♓37	3♒27	6°R25	1°R35	10♈35	3♏ 7	7°R23	17°D25	18♎41	18♌12	n.a.	M 1
T 2	8 23 51	7°49'36	3♏29	20♑12	15°49	4°14	6♍19	1♋31	10°37	3° 7	7♍22	17°R25	18°38	18°18	n.a.	T 2
W 3	8 27 48	8°49'33	16°19	19°52	17° 0	5° 1	6°13	1°28	10°39	3° 8	7°20	17♎25	18°35	18°25	n.a.	W 3
T 4	8 31 45	9°49'28	29°34	19°39	18°11	5°48	6° 7	1°25	10°41	3° 8	7°19	17°23	18°32	18°32	n.a.	T 4
F 5	8 35 41	10°49'22	13♐18	19°33	19°22	6°35	6° 1	1°22	10°43	3° 8	7°18	17°19	18°28	18°38	n.a.	F 5
S 6	8 39 38	11°49'14	27°32	19°D33	20°33	7°22	5°54	1°18	10°45	3° 8	7°16	17°13	18°25	18°45	n.a.	S 6
S 7	8 43 34	12°49'04	12♑14	19°39	21°44	8° 9	5°48	1°15	10°47	3° 8	7°15	17° 4	18°22	18°52	n.a.	S 7
M 8	8 47 31	13°48'53	27°18	19°51	22°54	8°56	5°41	1°12	10°49	3° 8	7°13	16°55	18°19	18°59	n.a.	M 8
T 9	8 51 27	14°48'39	12♒35	20° 8	24° 5	9°42	5°34	1°10	10°52	3°R 8	7°12	16°45	18°16	19° 5	n.a.	T 9
W10	8 55 24	15°48'23	27°54	20°31	25°15	10°29	5°27	1° 7	10°54	3° 8	7°10	16°37	18°12	19°12	n.a.	W10
T 11	8 59 20	16°48'04	13♓ 3	20°58	26°26	11°16	5°21	1° 4	10°56	3° 8	7° 9	16°30	18° 9	19°19	n.a.	T 11
F 12	9 3 17	17°47'44	27°53	21°30	27°36	12° 3	5°14	1° 1	10°59	3° 8	7° 7	16°27	18° 6	19°25	n.a.	F 12
S 13	9 7 14	18°47'21	12♈19	22° 6	28°46	12°50	5° 6	0°59	11° 1	3° 8	7° 6	16°D25	18° 3	19°32	n.a.	S 13
S 14	9 11 10	19°46'56	26°18	22°47	29°56	13°37	4°59	0°57	11° 3	3° 8	7° 4	16°25	18° 0	19°39	n.a.	S 14
M15	9 15 7	20°46'28	9♉49	23°31	1♈ 6	14°23	4°52	0°54	11° 6	3° 8	7° 2	16°26	17°57	19°45	n.a.	M15
T 16	9 19 3	21°45'58	22°55	24°18	2°15	15°10	4°45	0°52	11° 8	3° 7	7° 1	16°R27	17°53	19°52	n.a.	T 16
W17	9 23 0	22°45'26	5♊41	25° 9	3°25	15°57	4°37	0°50	11°11	3° 7	6°59	16°26	17°50	19°59	n.a.	W17
T 18	9 26 56	23°44'51	18° 9	26° 3	4°34	16°43	4°30	0°48	11°13	3° 7	6°58	16°23	17°47	20° 6	n.a.	T 18
F 19	9 30 53	24°44'13	0♋24	27° 0	5°43	17°30	4°22	0°46	11°16	3° 7	6°56	16°18	17°44	20°12	n.a.	F 19
S 20	9 34 49	25°43'34	12°29	28° 0	6°52	18°16	4°15	0°44	11°19	3° 6	6°54	16°10	17°41	20°19	n.a.	S 20
S 21	9 38 46	26°42'52	24°27	29° 3	8° 1	19° 3	4° 7	0°43	11°21	3° 6	6°53	16° 1	17°38	20°26	n.a.	S 21
M22	9 42 42	27°42'07	6♌21	0♒ 8	9°10	19°49	4° 0	0°41	11°24	3° 5	6°51	15°52	17°34	20°32	n.a.	M22
T 23	9 46 39	28°41'21	18°12	1°15	10°19	20°36	3°52	0°40	11°27	3° 5	6°50	15°43	17°31	20°39	n.a.	T 23
W24	9 50 36	29°40'32	0♍ 3	2°25	11°27	21°22	3°44	0°38	11°29	3° 4	6°48	15°34	17°28	20°46	n.a.	W24
T 25	9 54 32	0♓39'41	11°56	3°36	12°36	22° 9	3°37	0°37	11°32	3° 4	6°46	15°28	17°25	20°52	n.a.	T 25
F 26	9 58 29	1°38'47	23°50	4°50	13°44	22°55	3°29	0°36	11°35	3° 3	6°45	15°23	17°22	20°59	n.a.	F 26
S 27	10 2 25	2°37'52	5♎50	6° 6	14°52	23°41	3°21	0°35	11°38	3° 3	6°43	15°21	17°18	21° 6	n.a.	S 27
S 28	10 6 22	3♓36'55	17♎58	7♒24	15♈59	24♒28	3♍13	0♋34	11♈41	3♏ 2	6♍41	15°D20	17♎15	21♌13	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s49	8s 1	0n19	19s 9	3n 2	6s32	0s26	20s42	1s 6	10n49	1n40	23n55	0n10	3n43	0s34	10s55	1n55	24n59	17n28	6s55	7s25	11n19		n.a.
T 2	18 33	11 31	1 24	19 25	2 50	6 1	0 23	20 31	1 6	10 52	1 41	23 55	0 11	3 44	0 34	10 55	1 55	25 0	17 28	6 56	7 24	11 17		n.a.
W 3	18 17	14 35	2 27	19 40	2 37	5 30	0 19	20 19	1 6	10 54	1 41	23 55	0 11	3 45	0 34	10 55	1 55	25 1	17 29	6 55	7 22	11 16		n.a.
T 4	18 1	17 0	3 25	19 55	2 24	4 59	0 16	20 8	1 6	10 57	1 41	23 55	0 11	3 46	0 34	10 55	1 55	25 2	17 29	6 55	7 21	11 14		n.a.
F 5	17 45	18 31	4 12	20 9	2 11	4 27	0 13	19 56	1 5	10 59	1 41	23 56	0 11	3 46	0 34	10 55	1 55	25 3	17 29	6 53	7 20	11 12		n.a.
S 6	17 28	18 58	4 46	20 22	1 57	3 56	0 9	19 44	1 5	11 2	1 41	23 56	0 11	3 47	0 34	10 55	1 55	25 4	17 30	6 51	7 19	11 11		n.a.
S 7	17 11	18 10	5 2	20 35	1 44	3 24	0 5	19 31	1 5	11 5	1 42	23 56	0 11	3 48	0 34	10 55	1 55	25 5	17 30	6 48	7 18	11 9		n.a.
M 8	16 54	16 6	4 59	20 46	1 31	2 53	0 2	19 19	1 5	11 7	1 42	23 56	0 11	3 49	0 34	10 55	1 55	25 5	17 30	6 44	7 16	11 7		n.a.
T 9	16 36	12 53	4 34	20 57	1 17	2 21	0n 2	19 6	1 5	11 10	1 42	23 56	0 11	3 50	0 34	10 55	1 56	25 6	17 31	6 40	7 15	11 6		n.a.
W10	16 18	8 47	3 49	21 6	1 4	1 49	0 6	18 53	1 5	11 13	1 42	23 56	0 11	3 51	0 34	10 55	1 56	25 7	17 31	6 37	7 14	11 4		n.a.
T 11	16 0	4 9	2 48	21 15	0 51	1 18	0 9	18 40	1 5	11 15	1 42	23 56	0 11	3 52	0 34	10 55	1 56	25 8	17 31	6 34	7 13	11 2		n.a.
F 12	15 42	0n38	1 37	21 22	0 39	0 46	0 13	18 27	1 5	11 18	1 42	23 56	0 11	3 53	0 34	10 55	1 56	25 9	17 31	6 33	7 11	11 1		n.a.
S 13	15 23	5 16	0 22	21 28	0 27	0 14	0 17	18 13	1 5	11 21	1 43	23 56	0 12	3 54	0 34	10 54	1 56	25 9	17 31	6 32	7 10	10 59		n.a.
S 14	15 5	9 28	0s53	21 33	0 15	0n17	0 21	18 0	1 5	11 24	1 43	23 57	0 12	3 55	0 34	10 54	1 56	25 10	17 32	6 32	7 9	10 57		n.a.
M15	14 45	13 1	2 2	21 37	0 3	0 49	0 25	17 46	1 5	11 26	1 43	23 57	0 12	3 56	0 34	10 54	1 56	25 11	17 32	6 33	7 8	10 56		n.a.
T 16	14 26	15 48	3 3	21 40	0s 8	1 21	0 29	17 32	1 5	11 29	1 43	23 57	0 12	3 57	0 34	10 54	1 56	25 12	17 32	6 33	7 6	10 54		n.a.
W17	14 7	17 43	3 53	21 41	0 19	1 52	0 33	17 18	1 5	11 32	1 43	23 57	0 12	3 58	0 34	10 54	1 56	25 13	17 32	6 32	7 5	10 53		n.a.
T 18	13 47	18 44	4 30	21 41	0 29	2 24	0 37	17 3	1 5	11 35	1 43	23 57	0 12	3 59	0 34	10 54	1 56	25 13	17 32	6 31	7 4	10 51		n.a.
F 19	13 27	18 50	4 55	21 40	0 39	2 55	0 41	16 49	1 4	11 38	1 43	23 57	0 12	4 0	0 34	10 54	1 56	25 14	17 33	6 29	7 3	10 49		n.a.
S 20	13 7	18 5	5 6	21 37	0 48	3 27	0 45	16 34	1 4	11 41	1 43	23 57	0 12	4 1	0 34	10 53	1 56	25 15	17 33	6 26	7 2	10 48		n.a.
S 21	12 46	16 32	5 3	21 33	0 57	3 58	0 49	16 19	1 4	11 44	1 43	23 57	0 12	4 2	0 34	10 53	1 56	25 16	17 33	6 23	7 0	10 46		n.a.
M22	12 26	14 17	4 47	21 28	1 6	4 29	0 53	16 4	1 4	11 47	1 43	23 57	0 12	4 3	0 34	10 53	1 56	25 17	17 33	6 19	6 59	10 44		n.a.
T 23	12 5	11 28	4 19	21 21	1 14	5 0	0 57	15 49	1 4	11 49	1 44	23 57	0 12	4 4	0 34	10 53	1 56	25 17	17 33	6 16	6 58	10 43		n.a.
W24	11 44	8 10	3 40	21 12	1 22	5 31	1 1	15 34	1 4	11 52	1 44	23 58	0 12	4 5	0 34	10 53	1 56	25 18	17 33	6 12	6 57	10 41		n.a.
T 25	11 23	4 33	2 51	21 2	1 29	6 2	1 5	15 19	1 4	11 55	1 44	23 58	0 13	4 6	0 34	10 52	1 56	25 19	17 33	6 10	6 55	10 39		n.a.
F 26	11 2	0 44	1 54	20 51	1 36	6 33	1 9	15 3	1 3	11 58	1 44	23 58	0 13	4 8	0 33	10 52	1 57	25 20	17 33	6 8	6 54	10 38		n.a.
S 27	10 40	3s 8	0 51	20 38	1 42	7 3	1 13	14 47	1 3	12 1	1 44	23 58	0 13	4 9	0 33	10 52	1 57	25 20	17 34	6 7	6 53	10 36		n.a.
S 28	10s19	6s55	0n14	20s24	1s48	7n34	1n17	14s32	1s 3	12n 4	1n44	23n58	0n13	4n10	0s33	10s52	1n57	25n21	17n34	6s 7	6s52	10n34		n.a.

Julian Day Number = 1539194.5, Delta T = 04h38m57s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'48, Lahiri = -10°50'47 Julian Calendar 1 Feb. 499 BCE == Greg. Calendar 27 Jan. 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

MARCH 499 BCE (-498) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 10 18	4♓35'55	0♏16	8♒44	17♈ 7	25♒14	3°R 6	0°R33	11♈44	3°R 2	6°R40	15♎21	17♎12	21♌19	n.a.	M 1
T 2	10 14 15	5°34'54	12°48	10° 5	18°14	26° 0	2♍58	0♋32	11°46	3♏ 1	6♍38	15°23	17° 9	21°26	n.a.	T 2
W 3	10 18 11	6°33'51	25°38	11°29	19°22	26°46	2°50	0°31	11°49	3° 0	6°36	15°24	17° 6	21°33	n.a.	W 3
T 4	10 22 8	7°32'47	8♐50	12°54	20°29	27°32	2°43	0°31	11°52	3° 0	6°35	15°R25	17° 3	21°39	n.a.	T 4
F 5	10 26 4	8°31'40	22°27	14°21	21°36	28°18	2°35	0°31	11°55	2°59	6°33	15°24	16°59	21°46	n.a.	F 5
S 6	10 30 1	9°30'32	6♑29	15°49	22°42	29° 4	2°27	0°30	11°58	2°58	6°31	15°21	16°56	21°53	n.a.	S 6
S 7	10 33 58	10°29'21	20°57	17°19	23°49	29°50	2°20	0°30	12° 1	2°57	6°30	15°18	16°53	21°59	n.a.	S 7
M 8	10 37 54	11°28'09	5♒47	18°51	24°55	0♓36	2°12	0°D30	12° 5	2°56	6°28	15°13	16°50	22° 6	n.a.	M 8
T 9	10 41 51	12°26'55	20°52	20°24	26° 1	1°22	2° 4	0°30	12° 8	2°56	6°26	15° 8	16°47	22°13	n.a.	T 9
W10	10 45 47	13°25'39	6♓ 3	21°59	27° 7	2° 8	1°57	0°30	12°11	2°55	6°25	15° 4	16°44	22°20	n.a.	W10
T 11	10 49 44	14°24'21	21°11	23°36	28°12	2°54	1°50	0°30	12°14	2°54	6°23	15° 1	16°40	22°26	n.a.	T 11
F 12	10 53 40	15°23'01	6♈ 5	25°14	29°18	3°40	1°42	0°31	12°17	2°53	6°21	14°59	16°37	22°33	n.a.	F 12
S 13	10 57 37	16°21'38	20°38	26°53	0♉23	4°26	1°35	0°31	12°20	2°52	6°20	14°D59	16°34	22°40	n.a.	S 13
S 14	11 1 33	17°20'14	4♉46	28°35	1°28	5°11	1°28	0°32	12°23	2°51	6°18	15° 0	16°31	22°46	n.a.	S 14
M15	11 5 30	18°18'47	18°27	0♓17	2°32	5°57	1°20	0°32	12°27	2°50	6°16	15° 1	16°28	22°53	n.a.	M15
T 16	11 9 27	19°17'18	1♊42	2° 2	3°37	6°42	1°13	0°33	12°30	2°49	6°15	15° 3	16°24	23° 0	n.a.	T 16
W17	11 13 23	20°15'46	14°32	3°48	4°41	7°28	1° 6	0°34	12°33	2°48	6°13	15°R 4	16°21	23° 6	n.a.	W17
T 18	11 17 20	21°14'13	27° 3	5°36	5°45	8°14	0°59	0°35	12°36	2°47	6°12	15° 4	16°18	23°13	n.a.	T 18
F 19	11 21 16	22°12'37	9♋17	7°25	6°48	8°59	0°53	0°36	12°40	2°46	6°10	15° 3	16°15	23°20	n.a.	F 19
S 20	11 25 13	23°10'59	21°20	9°16	7°52	9°44	0°46	0°37	12°43	2°44	6° 8	15° 1	16°12	23°27	n.a.	S 20
S 21	11 29 9	24° 9'18	3♌15	11° 8	8°55	10°30	0°39	0°39	12°46	2°43	6° 7	14°58	16° 9	23°33	n.a.	S 21
M22	11 33 6	25° 7'36	15° 6	13° 2	9°57	11°15	0°33	0°40	12°50	2°42	6° 5	14°55	16° 5	23°40	n.a.	M22
T 23	11 37 2	26° 5'51	26°56	14°58	11° 0	12° 0	0°26	0°42	12°53	2°41	6° 4	14°51	16° 2	23°47	n.a.	T 23
W24	11 40 59	27° 4'04	8♍49	16°56	12° 2	12°46	0°20	0°43	12°56	2°40	6° 2	14°49	15°59	23°53	n.a.	W24
T 25	11 44 55	28° 2'16	20°45	18°55	13° 3	13°31	0°14	0°45	13° 0	2°38	6° 1	14°47	15°56	24° 0	n.a.	T 25
F 26	11 48 52	29° 0'25	2♎48	20°55	14° 5	14°16	0° 8	0°47	13° 3	2°37	5°59	14°45	15°53	24° 7	n.a.	F 26
S 27	11 52 49	29°58'33	14°59	22°57	15° 6	15° 1	0° 2	0°49	13° 6	2°36	5°58	14°D45	15°49	24°13	n.a.	S 27
S 28	11 56 45	0♈56'39	27°20	25° 1	16° 6	15°46	29♌56	0°51	13°10	2°35	5°56	14°45	15°46	24°20	n.a.	S 28
M29	12 0 42	1°54'43	9♏52	27° 6	17° 7	16°31	29°51	0°53	13°13	2°33	5°55	14°46	15°43	24°27	n.a.	M29
T 30	12 4 38	2°52'45	22°37	29°12	18° 6	17°16	29°45	0°55	13°17	2°32	5°53	14°47	15°40	24°33	n.a.	T 30
W31	12 8 35	3♈50'46	5♐37	1♈19	19♉ 6	18♓ 1	29♌40	0♋58	13♈20	2♏31	5♍52	14♎48	15♎37	24♌40	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	9s57	10s28	1n20	20s 8	1s53	8n 4	1n22	14s16	1s 3	12n 7	1n44	23n58	0n13	4n11	0s33	10s51	1n57	25n22	17n34	6s 7	6s50	10n33			n.a.
T 2	9 35	13 36	2 24	19 51	1 58	8 34	1 26	14 0	1 3	12 10	1 44	23 58	0 13	4 12	0 33	10 51	1 57	25 22	17 34	6 8	6 49	10 31			n.a.
W 3	9 13	16 9	3 22	19 32	2 3	9 3	1 30	13 44	1 2	12 12	1 44	23 58	0 13	4 13	0 33	10 51	1 57	25 23	17 34	6 8	6 48	10 29			n.a.
T 4	8 51	17 56	4 11	19 11	2 7	9 33	1 34	13 27	1 2	12 15	1 44	23 58	0 13	4 15	0 33	10 51	1 57	25 24	17 34	6 9	6 47	10 28			n.a.
F 5	8 29	18 45	4 47	18 49	2 10	10 2	1 38	13 11	1 2	12 18	1 44	23 58	0 13	4 16	0 33	10 50	1 57	25 24	17 34	6 8	6 46	10 26			n.a.
S 6	8 6	18 28	5 8	18 25	2 13	10 31	1 42	12 55	1 2	12 21	1 44	23 58	0 13	4 17	0 33	10 50	1 57	25 25	17 34	6 7	6 44	10 24			n.a.
S 7	7 44	16 59	5 10	18 0	2 16	11 0	1 46	12 38	1 1	12 24	1 44	23 58	0 13	4 18	0 33	10 50	1 57	25 26	17 34	6 6	6 43	10 23			n.a.
M 8	7 21	14 21	4 52	17 33	2 18	11 29	1 50	12 21	1 1	12 26	1 44	23 59	0 13	4 19	0 33	10 49	1 57	25 26	17 34	6 4	6 42	10 21			n.a.
T 9	6 59	10 44	4 14	17 5	2 20	11 57	1 54	12 5	1 1	12 29	1 44	23 59	0 14	4 21	0 33	10 49	1 57	25 27	17 34	6 2	6 41	10 19			n.a.
W10	6 36	6 22	3 17	16 35	2 21	12 25	1 59	11 48	1 1	12 32	1 44	23 59	0 14	4 22	0 33	10 49	1 57	25 28	17 34	6 1	6 39	10 18			n.a.
T 11	6 13	1 36	2 7	16 3	2 21	12 53	2 3	11 31	1 1	12 35	1 44	23 59	0 14	4 23	0 33	10 48	1 57	25 28	17 34	5 59	6 38	10 16			n.a.
F 12	5 50	3n11	0 49	15 30	2 21	13 20	2 7	11 14	1 0	12 37	1 44	23 59	0 14	4 24	0 33	10 48	1 57	25 29	17 34	5 59	6 37	10 14			n.a.
S 13	5 27	7 41	0s31	14 55	2 21	13 47	2 11	10 57	1 0	12 40	1 44	23 59	0 14	4 26	0 33	10 47	1 57	25 29	17 34	5 59	6 36	10 13			n.a.
S 14	5 4	11 37	1 47	14 18	2 20	14 14	2 14	10 39	1 0	12 42	1 44	23 59	0 14	4 27	0 33	10 47	1 57	25 30	17 34	5 59	6 34	10 11			n.a.
M15	4 41	14 46	2 54	13 40	2 18	14 40	2 18	10 22	0 59	12 45	1 44	23 59	0 14	4 28	0 33	10 47	1 57	25 30	17 33	6 0	6 33	10 9			n.a.
T 16	4 18	17 2	3 49	13 0	2 16	15 6	2 22	10 5	0 59	12 47	1 43	23 59	0 14	4 30	0 33	10 46	1 57	25 31	17 33	6 0	6 32	10 8			n.a.
W17	3 54	18 21	4 31	12 19	2 14	15 32	2 26	9 47	0 59	12 50	1 43	23 59	0 14	4 31	0 33	10 46	1 57	25 32	17 33	6 0	6 31	10 6			n.a.
T 18	3 31	18 44	4 59	11 36	2 11	15 58	2 30	9 30	0 59	12 52	1 43	23 59	0 14	4 32	0 33	10 46	1 57	25 32	17 33	6 0	6 30	10 4			n.a.
F 19	3 8	18 13	5 13	10 52	2 7	16 23	2 34	9 12	0 58	12 55	1 43	23 59	0 14	4 34	0 33	10 45	1 58	25 33	17 33	6 0	6 28	10 2			n.a.
S 20	2 44	16 53	5 13	10 6	2 3	16 47	2 37	8 55	0 58	12 57	1 43	23 59	0 14	4 35	0 33	10 45	1 58	25 33	17 33	5 59	6 27	10 1			n.a.
S 21	2 21	14 50	4 59	9 18	1 58	17 11	2 41	8 37	0 58	12 59	1 43	24 0	0 14	4 36	0 33	10 44	1 58	25 34	17 33	5 58	6 26	9 59			n.a.
M22	1 58	12 11	4 32	8 29	1 53	17 35	2 44	8 19	0 57	13 1	1 43	24 0	0 14	4 37	0 33	10 44	1 58	25 34	17 33	5 57	6 25	9 57			n.a.
T 23	1 34	9 2	3 54	7 39	1 47	17 58	2 48	8 1	0 57	13 4	1 43	24 0	0 15	4 39	0 33	10 43	1 58	25 34	17 32	5 56	6 23	9 56			n.a.
W24	1 11	5 30	3 6	6 47	1 41	18 21	2 51	7 44	0 57	13 6	1 43	24 0	0 15	4 40	0 33	10 43	1 58	25 35	17 32	5 55	6 22	9 54			n.a.
T 25	0 47	1 44	2 9	5 53	1 34	18 44	2 55	7 26	0 56	13 8	1 42	24 0	0 15	4 41	0 33	10 42	1 58	25 35	17 32	5 54	6 21	9 52			n.a.
F 26	0 24	2s 8	1 6	4 59	1 27	19 6	2 58	7 8	0 56	13 10	1 42	24 0	0 15	4 43	0 33	10 42	1 58	25 36	17 32	5 53	6 20	9 51			n.a.
S 27	0 1	5 57	0n 1	4 3	1 19	19 28	3 1	6 50	0 56	13 12	1 42	24 0	0 15	4 44	0 33	10 41	1 58	25 36	17 32	5 53	6 18	9 49			n.a.
S 28	0n23	9 35	1 9	3 6	1 11	19 49	3 4	6 32	0 55	13 14	1 42	24 0	0 15	4 46	0 33	10 41	1 58	25 36	17 31	5 53	6 17	9 47			n.a.
M29	0 46	12 50	2 15	2 7	1 2	20 9	3 8	6 14	0 55	13 16	1 42	24 0	0 15	4 47	0 33	10 40	1 58	25 37	17 31	5 54	6 16	9 46			n.a.
T 30	1 10	15 32	3 15	1 8	0 53	20 30	3 11	5 56	0 55	13 17	1 42	24 0	0 15	4 48	0 33	10 40	1 58	25 37	17 31	5 54	6 15	9 44			n.a.
W31	1n33	17s29	4n 6	0s 8	0s44	20n49	3n14	5s38	0s54	13n19	1n42	24n 0	0n15	4n50	0s33	10s40	1n58	25n38	17n31	5s54	6s13	9n42			n.a.

Julian Day Number = 1539222.5, Delta T = 04h38m56s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'44, Lahiri = -10°50'43 Julian Calendar 1 March 499 BCE == Greg. Calendar 24 Feb. 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

APRIL 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 12 31	4♈48'46	18♐55	3♈27	20♉ 5	18♓46	29°R34	1♋ 0	13♈23	2°R29	5°R50	14♎49	15♎34	24♌47	n.a.	T 1
F 2	12 16 28	5°46'44	2♑31	5°36	21° 4	19°30	29♌29	1° 3	13°27	2♏28	5♍49	14°R49	15°30	24°54	n.a.	F 2
S 3	12 20 24	6°44'41	16°27	7°45	22° 2	20°15	29°24	1° 5	13°30	2°26	5°48	14°49	15°27	25° 0	n.a.	S 3
S 4	12 24 21	7°42'36	0♒41	9°55	23° 0	21° 0	29°20	1° 8	13°34	2°25	5°46	14°49	15°24	25° 7	n.a.	S 4
M 5	12 28 18	8°40'30	15°12	12° 5	23°57	21°44	29°15	1°11	13°37	2°24	5°45	14°48	15°21	25°14	n.a.	M 5
T 6	12 32 14	9°38'23	29°55	14°15	24°54	22°29	29°10	1°14	13°41	2°22	5°44	14°48	15°18	25°20	n.a.	T 6
W 7	12 36 11	10°36'14	14♓45	16°24	25°51	23°13	29° 6	1°17	13°44	2°21	5°42	14°47	15°15	25°27	n.a.	W 7
T 8	12 40 7	11°34'04	29°34	18°33	26°47	23°58	29° 2	1°20	13°48	2°19	5°41	14°47	15°11	25°34	n.a.	T 8
F 9	12 44 4	12°31'52	14♈16	20°41	27°42	24°42	28°58	1°23	13°51	2°18	5°40	14°D47	15° 8	25°40	n.a.	F 9
S 10	12 48 0	13°29'38	28°43	22°47	28°37	25°27	28°54	1°26	13°55	2°16	5°38	14°47	15° 5	25°47	n.a.	S 10
S 11	12 51 57	14°27'23	12♉49	24°52	29°31	26°11	28°50	1°30	13°58	2°15	5°37	14°R47	15° 2	25°54	n.a.	S 11
M12	12 55 53	15°25'07	26°33	26°54	0♊25	26°55	28°47	1°33	14° 1	2°13	5°36	14°47	14°59	26° 0	n.a.	M12
T 13	12 59 50	16°22'49	9♊52	28°55	1°18	27°39	28°43	1°37	14° 5	2°12	5°35	14°47	14°55	26° 7	n.a.	T 13
W14	13 3 46	17°20'29	22°48	0♋54	2°11	28°24	28°40	1°41	14° 8	2°10	5°34	14°47	14°52	26°14	n.a.	W14
T 15	13 7 43	18°18'07	5♋22	2°50	3° 3	29° 8	28°37	1°44	14°12	2° 9	5°33	14°46	14°49	26°21	n.a.	T 15
F 16	13 11 40	19°15'44	17°39	4°43	3°54	29°52	28°34	1°48	14°15	2° 7	5°31	14°D46	14°46	26°27	n.a.	F 16
S 17	13 15 36	20°13'19	29°43	6°34	4°44	0♈36	28°32	1°52	14°19	2° 5	5°30	14°46	14°43	26°34	n.a.	S 17
S 18	13 19 33	21°10'53	11♌38	8°22	5°34	1°20	28°29	1°56	14°22	2° 4	5°29	14°47	14°40	26°41	n.a.	S 18
M19	13 23 29	22° 8'25	23°29	10° 7	6°23	2° 3	28°27	2° 0	14°26	2° 2	5°28	14°47	14°36	26°47	n.a.	M19
T 20	13 27 26	23° 5'55	5♍20	11°49	7°12	2°47	28°25	2° 5	14°29	2° 1	5°27	14°48	14°33	26°54	n.a.	T 20
W21	13 31 22	24° 3'24	17°15	13°28	7°59	3°31	28°23	2° 9	14°32	1°59	5°26	14°49	14°30	27° 1	n.a.	W21
T 22	13 35 19	25° 0'52	29°18	15° 4	8°46	4°15	28°21	2°13	14°36	1°57	5°25	14°50	14°27	27° 7	n.a.	T 22
F 23	13 39 15	25°58'18	11♎30	16°36	9°32	4°58	28°20	2°18	14°39	1°56	5°24	14°R50	14°24	27°14	n.a.	F 23
S 24	13 43 12	26°55'43	23°55	18° 6	10°17	5°42	28°18	2°22	14°43	1°54	5°24	14°50	14°20	27°21	n.a.	S 24
S 25	13 47 9	27°53'07	6♏33	19°32	11° 1	6°25	28°17	2°27	14°46	1°53	5°23	14°49	14°17	27°27	n.a.	S 25
M26	13 51 5	28°50'30	19°25	20°55	11°44	7° 9	28°16	2°31	14°49	1°51	5°22	14°48	14°14	27°34	n.a.	M26
T 27	13 55 2	29°47'51	2♐31	22°15	12°26	7°52	28°15	2°36	14°53	1°49	5°21	14°46	14°11	27°41	n.a.	T 27
W28	13 58 58	0♑45'12	15°51	23°31	13° 7	8°36	28°14	2°41	14°56	1°48	5°20	14°44	14° 8	27°47	n.a.	W28
T 29	14 2 55	1°42'33	29°25	24°44	13°47	9°19	28°14	2°46	15° 0	1°46	5°20	14°42	14° 5	27°54	n.a.	T 29
F 30	14 6 51	2♑39'52	13♑11	25♑53	14♊26	10♈ 2	28♌14	2♋51	15♈ 3	1♏45	5♍19	14♎40	14♎ 1	28♌ 1	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n56	18s33	4n45	0n52	0s34	21n 9	3n16	5s20	0s54	13n21	1n41	24n 0	0n15	4n51	0s33	10s39	1n58	25n38	17n30	5s55	6s12	9n40		n.a.
F 2	2 19	18 34	5 10	1 53	0 24	21 27	3 19	5 2	0 53	13 23	1 41	24 0	0 15	4 52	0 33	10 38	1 58	25 38	17 30	5 55	6 11	9 39		n.a.
S 3	2 43	17 29	5 17	2 55	0 13	21 45	3 22	4 43	0 53	13 24	1 41	24 0	0 15	4 54	0 33	10 38	1 58	25 38	17 30	5 55	6 10	9 37		n.a.
S 4	3 6	15 18	5 5	3 56	0 3	22 3	3 24	4 25	0 53	13 26	1 41	24 0	0 15	4 55	0 33	10 37	1 58	25 39	17 30	5 55	6 8	9 35		n.a.
M 5	3 29	12 8	4 34	4 57	0n 8	22 20	3 27	4 7	0 52	13 27	1 41	24 0	0 15	4 56	0 33	10 37	1 58	25 39	17 29	5 54	6 7	9 34		n.a.
T 6	3 52	8 9	3 44	5 58	0 18	22 37	3 29	3 49	0 52	13 29	1 40	24 0	0 16	4 58	0 33	10 36	1 58	25 39	17 29	5 54	6 6	9 32		n.a.
W 7	4 15	3 38	2 39	6 59	0 29	22 53	3 31	3 31	0 51	13 30	1 40	24 0	0 16	4 59	0 33	10 36	1 58	25 39	17 29	5 54	6 5	9 30		n.a.
T 8	4 38	1n 6	1 23	7 58	0 40	23 9	3 33	3 12	0 51	13 31	1 40	24 0	0 16	5 0	0 33	10 35	1 58	25 40	17 28	5 54	6 3	9 28		n.a.
F 9	5 1	5 44	0 3	8 57	0 50	23 24	3 35	2 54	0 51	13 33	1 40	24 1	0 16	5 2	0 33	10 35	1 58	25 40	17 28	5 54	6 2	9 27		n.a.
S 10	5 24	9 58	1s17	9 54	1 0	23 38	3 37	2 36	0 50	13 34	1 40	24 1	0 16	5 3	0 33	10 34	1 58	25 40	17 28	5 54	6 1	9 25		n.a.
S 11	5 46	13 31	2 30	10 50	1 10	23 52	3 39	2 18	0 50	13 35	1 39	24 1	0 16	5 5	0 33	10 34	1 58	25 40	17 27	5 54	6 0	9 23		n.a.
M12	6 9	16 12	3 32	11 44	1 19	24 6	3 40	2 0	0 49	13 36	1 39	24 1	0 16	5 6	0 33	10 33	1 58	25 40	17 27	5 54	5 59	9 22		n.a.
T 13	6 31	17 56	4 21	12 36	1 28	24 18	3 42	1 41	0 49	13 37	1 39	24 1	0 16	5 7	0 33	10 33	1 58	25 41	17 27	5 54	5 57	9 20		n.a.
W14	6 54	18 39	4 54	13 27	1 37	24 31	3 43	1 23	0 49	13 38	1 39	24 1	0 16	5 9	0 33	10 32	1 58	25 41	17 26	5 54	5 56	9 18		n.a.
T 15	7 16	18 26	5 13	14 15	1 45	24 42	3 44	1 5	0 48	13 39	1 39	24 1	0 16	5 10	0 33	10 32	1 58	25 41	17 26	5 54	5 55	9 16		n.a.
F 16	7 38	17 20	5 17	15 1	1 52	24 53	3 45	0 47	0 48	13 39	1 38	24 1	0 16	5 11	0 33	10 31	1 58	25 41	17 26	5 54	5 54	9 15		n.a.
S 17	8 0	15 29	5 7	15 45	1 59	25 4	3 46	0 29	0 47	13 40	1 38	24 1	0 16	5 13	0 33	10 30	1 58	25 41	17 25	5 54	5 52	9 13		n.a.
S 18	8 22	12 59	4 43	16 26	2 4	25 14	3 47	0 11	0 47	13 41	1 38	24 1	0 16	5 14	0 33	10 30	1 58	25 41	17 25	5 54	5 51	9 11		n.a.
M19	8 44	9 58	4 8	17 5	2 10	25 23	3 47	0n 7	0 46	13 41	1 38	24 1	0 16	5 15	0 33	10 29	1 58	25 41	17 25	5 54	5 50	9 10		n.a.
T 20	9 6	6 33	3 22	17 42	2 14	25 32	3 48	0 25	0 46	13 42	1 37	24 1	0 16	5 17	0 33	10 29	1 58	25 41	17 24	5 54	5 49	9 8		n.a.
W21	9 27	2 51	2 27	18 17	2 18	25 40	3 48	0 43	0 45	13 42	1 37	24 1	0 17	5 18	0 33	10 28	1 58	25 41	17 24	5 55	5 47	9 6		n.a.
T 22	9 48	1s 1	1 25	18 49	2 21	25 48	3 48	1 1	0 45	13 43	1 37	24 1	0 17	5 19	0 33	10 28	1 58	25 41	17 23	5 55	5 46	9 4		n.a.
F 23	10 10	4 53	0 18	19 18	2 23	25 55	3 48	1 19	0 44	13 43	1 37	24 1	0 17	5 21	0 33	10 27	1 58	25 41	17 23	5 55	5 45	9 3		n.a.
S 24	10 31	8 37	0n50	19 45	2 25	26 2	3 47	1 37	0 44	13 43	1 36	24 1	0 17	5 22	0 33	10 27	1 58	25 41	17 22	5 55	5 44	9 1		n.a.
S 25	10 52	12 2	1 57	20 10	2 25	26 8	3 47	1 55	0 43	13 44	1 36	24 1	0 17	5 23	0 33	10 26	1 58	25 41	17 22	5 55	5 42	8 59		n.a.
M26	11 12	14 56	3 0	20 33	2 25	26 13	3 46	2 13	0 43	13 44	1 36	24 1	0 17	5 25	0 33	10 25	1 58	25 41	17 22	5 54	5 41	8 58		n.a.
T 27	11 33	17 7	3 54	20 53	2 24	26 18	3 45	2 31	0 42	13 44	1 36	24 1	0 17	5 26	0 33	10 25	1 58	25 41	17 21	5 54	5 40	8 56		n.a.
W28	11 53	18 24	4 37	21 11	2 22	26 22	3 43	2 49	0 42	13 44	1 35	24 1	0 17	5 27	0 33	10 24	1 58	25 41	17 21	5 53	5 39	8 54		n.a.
T 29	12 13	18 41	5 5	21 27	2 20	26 25	3 42	3 6	0 41	13 44	1 35	24 1	0 17	5 29	0 33	10 24	1 58	25 41	17 20	5 52	5 37	8 52		n.a.
F 30	12n33	17s51	5n16	21n41	2n16	26n29	3n40	3n24	0s41	13n44	1n35	24n 0	0n17	5n30	0s33	10s23	1n58	25n40	17n20	5s51	5s36	8n51		n.a.

Julian Day Number = 1539253.5, Delta T = 04h38m54s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'40, Lahiri = -10°50'39 Julian Calendar 1 Apr. 499 BCE == Greg. Calendar 27 March 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

MAY 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 10 48	3♉37'11	27♊ 9	26♉59	15♊ 4	10♈45	28°D13	2♋56	15♈ 6	1°R43	5°R18	14°D40	13♎58	28♌ 8	n.a.	S 1
S 2	14 14 44	4°34'29	11♒17	28° 2	15°40	11°29	28♌14	3° 1	15°10	1♏41	5♍18	14♎40	13°55	28°14	n.a.	S 2
M 3	14 18 41	5°31'47	25°33	29° 1	16°16	12°12	28°14	3° 6	15°13	1°40	5°17	14°40	13°52	28°21	n.a.	M 3
T 4	14 22 38	6°29'04	9♓55	29°56	16°50	12°55	28°14	3°12	15°16	1°38	5°16	14°42	13°49	28°28	n.a.	T 4
W 5	14 26 34	7°26'20	24°20	0♊47	17°22	13°38	28°15	3°17	15°19	1°36	5°16	14°43	13°46	28°34	n.a.	W 5
T 6	14 30 31	8°23'36	8♈43	1°34	17°54	14°21	28°15	3°22	15°23	1°35	5°15	14°R44	13°42	28°41	n.a.	T 6
F 7	14 34 27	9°20'51	23° 1	2°18	18°24	15° 3	28°16	3°28	15°26	1°33	5°15	14°44	13°39	28°48	n.a.	F 7
S 8	14 38 24	10°18'06	7♉ 9	2°57	18°52	15°46	28°18	3°33	15°29	1°32	5°14	14°42	13°36	28°54	n.a.	S 8
S 9	14 42 20	11°15'20	21° 2	3°33	19°19	16°29	28°19	3°39	15°32	1°30	5°14	14°40	13°33	29° 1	n.a.	S 9
M10	14 46 17	12°12'33	4♊37	4° 4	19°44	17°12	28°20	3°45	15°36	1°28	5°13	14°36	13°30	29° 8	n.a.	M10
T 11	14 50 13	13° 9'45	17°53	4°30	20° 8	17°54	28°22	3°51	15°39	1°27	5°13	14°32	13°26	29°14	n.a.	T 11
W12	14 54 10	14° 6'57	0♋47	4°53	20°30	18°37	28°24	3°56	15°42	1°25	5°13	14°27	13°23	29°21	n.a.	W12
T 13	14 58 7	15° 4'08	13°22	5°10	20°50	19°19	28°26	4° 2	15°45	1°24	5°12	14°23	13°20	29°28	n.a.	T 13
F 14	15 2 3	16° 1'18	25°41	5°24	21° 9	20° 2	28°28	4° 8	15°48	1°22	5°12	14°20	13°17	29°34	n.a.	F 14
S 15	15 6 0	16°58'28	7♌45	5°32	21°25	20°44	28°30	4°14	15°51	1°21	5°12	14°18	13°14	29°41	n.a.	S 15
S 16	15 9 56	17°55'36	19°41	5°R37	21°39	21°27	28°33	4°20	15°54	1°19	5°12	14°D18	13°11	29°48	n.a.	S 16
M17	15 13 53	18°52'44	1♍32	5°36	21°52	22° 9	28°36	4°26	15°57	1°18	5°11	14°19	13° 7	29°54	n.a.	M17
T 18	15 17 49	19°49'51	13°24	5°31	22° 2	22°51	28°38	4°32	16° 0	1°16	5°11	14°20	13° 4	0♍ 1	n.a.	T 18
W19	15 21 46	20°46'58	25°21	5°22	22°10	23°33	28°41	4°39	16° 3	1°15	5°11	14°22	13° 1	0° 8	n.a.	W19
T 20	15 25 42	21°44'04	7♎28	5° 9	22°16	24°15	28°45	4°45	16° 6	1°13	5°11	14°23	12°58	0°15	n.a.	T 20
F 21	15 29 39	22°41'09	19°49	4°51	22°20	24°57	28°48	4°51	16° 9	1°12	5°11	14°R23	12°55	0°21	n.a.	F 21
S 22	15 33 36	23°38'15	2♏26	4°30	22°R22	25°39	28°52	4°58	16°12	1°10	5°D11	14°22	12°51	0°28	n.a.	S 22
S 23	15 37 32	24°35'19	15°21	4° 5	22°21	26°21	28°55	5° 4	16°15	1° 9	5°11	14°18	12°48	0°35	n.a.	S 23
M24	15 41 29	25°32'24	28°35	3°37	22°18	27° 3	28°59	5°11	16°18	1° 7	5°11	14°13	12°45	0°41	n.a.	M24
T 25	15 45 25	26°29'29	12♐ 6	3° 7	22°12	27°45	29° 3	5°17	16°21	1° 6	5°11	14° 7	12°42	0°48	n.a.	T 25
W26	15 49 22	27°26'33	25°52	2°34	22° 4	28°27	29° 7	5°24	16°24	1° 4	5°11	14° 0	12°39	0°55	n.a.	W26
T 27	15 53 18	28°23'38	9♑50	1°59	21°54	29° 8	29°12	5°30	16°26	1° 3	5°11	13°54	12°36	1° 1	n.a.	T 27
F 28	15 57 15	29°20'42	23°56	1°24	21°41	29°50	29°16	5°37	16°29	1° 2	5°12	13°48	12°32	1° 8	n.a.	F 28
S 29	16 1 12	0♊17'47	8♒ 6	0°48	21°26	0♉32	29°21	5°44	16°32	1° 0	5°12	13°44	12°29	1°15	n.a.	S 29
S 30	16 5 8	1°14'52	22°18	0°12	21° 9	1°13	29°26	5°50	16°35	0°59	5°12	13°42	12°26	1°21	n.a.	S 30
M31	16 9 5	2♊11'57	6♓29	29♉36	20♊49	1♉55	29♌31	5♋57	16♈37	0♏57	5♍12	13°D42	12♎23	1♍28	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n53	15s58	5n 8	21n53	2n12	26n31	3n38	3n42	0s40	13n43	1n35	24n 0	0n17	5n31	0s33	10s23	1n58	25n40	17n19	5s51	5s35	8n49		n.a.
S 2	13 13	13 6	4 42	22 2	2 7	26 33	3 36	3 59	0 40	13 43	1 34	24 0	0 17	5 33	0 33	10 22	1 58	25 40	17 19	5 51	5 34	8 47		n.a.
M 3	13 32	9 25	3 59	22 10	2 1	26 34	3 33	4 17	0 39	13 43	1 34	24 0	0 17	5 34	0 33	10 21	1 58	25 40	17 18	5 51	5 32	8 45		n.a.
T 4	13 51	5 10	3 0	22 16	1 54	26 35	3 31	4 34	0 39	13 42	1 34	24 0	0 17	5 35	0 33	10 21	1 58	25 40	17 18	5 52	5 31	8 44		n.a.
W 5	14 10	0 36	1 50	22 19	1 47	26 35	3 27	4 52	0 38	13 42	1 34	24 0	0 18	5 36	0 33	10 20	1 58	25 39	17 17	5 52	5 30	8 42		n.a.
T 6	14 29	4n 0	0 33	22 21	1 38	26 35	3 24	5 9	0 38	13 41	1 33	24 0	0 18	5 38	0 33	10 20	1 58	25 39	17 17	5 53	5 29	8 40		n.a.
F 7	14 48	8 22	0s45	22 21	1 29	26 34	3 20	5 26	0 37	13 41	1 33	24 0	0 18	5 39	0 33	10 19	1 58	25 39	17 16	5 53	5 27	8 39		n.a.
S 8	15 6	12 11	2 0	22 19	1 19	26 32	3 16	5 43	0 37	13 40	1 33	24 0	0 18	5 40	0 33	10 19	1 58	25 39	17 16	5 52	5 26	8 37		n.a.
S 9	15 24	15 15	3 6	22 15	1 8	26 30	3 12	6 0	0 36	13 40	1 33	24 0	0 18	5 41	0 33	10 18	1 58	25 38	17 15	5 51	5 25	8 35		n.a.
M10	15 42	17 24	4 0	22 10	0 57	26 28	3 7	6 18	0 36	13 39	1 32	24 0	0 18	5 43	0 33	10 18	1 58	25 38	17 15	5 50	5 24	8 33		n.a.
T 11	16 0	18 33	4 40	22 3	0 45	26 25	3 2	6 35	0 35	13 38	1 32	24 0	0 18	5 44	0 33	10 17	1 58	25 38	17 14	5 48	5 22	8 32		n.a.
W12	16 17	18 41	5 4	21 54	0 32	26 21	2 57	6 51	0 34	13 37	1 32	24 0	0 18	5 45	0 33	10 17	1 58	25 37	17 14	5 46	5 21	8 30		n.a.
T 13	16 34	17 53	5 13	21 44	0 18	26 17	2 51	7 8	0 34	13 36	1 32	23 59	0 18	5 46	0 33	10 16	1 58	25 37	17 13	5 45	5 20	8 28		n.a.
F 14	16 51	16 16	5 7	21 33	0 4	26 12	2 45	7 25	0 33	13 35	1 31	23 59	0 18	5 48	0 33	10 16	1 58	25 37	17 13	5 43	5 19	8 26		n.a.
S 15	17 8	13 57	4 47	21 20	0s11	26 7	2 39	7 42	0 33	13 34	1 31	23 59	0 18	5 49	0 33	10 15	1 58	25 36	17 12	5 43	5 17	8 25		n.a.
S 16	17 24	11 4	4 15	21 5	0 26	26 1	2 32	7 58	0 32	13 33	1 31	23 59	0 18	5 50	0 33	10 14	1 58	25 36	17 12	5 43	5 16	8 23		n.a.
M17	17 40	7 46	3 33	20 50	0 42	25 55	2 25	8 15	0 32	13 32	1 31	23 59	0 18	5 51	0 33	10 14	1 58	25 36	17 11	5 43	5 15	8 21		n.a.
T 18	17 56	4 8	2 41	20 33	0 58	25 48	2 17	8 31	0 31	13 30	1 30	23 59	0 18	5 52	0 33	10 13	1 58	25 35	17 11	5 43	5 14	8 19		n.a.
W19	18 11	0 19	1 42	20 15	1 15	25 40	2 9	8 47	0 30	13 29	1 30	23 59	0 18	5 53	0 33	10 13	1 58	25 35	17 10	5 44	5 12	8 18		n.a.
T 20	18 26	3s35	0 38	19 57	1 31	25 32	2 1	9 4	0 30	13 28	1 30	23 58	0 19	5 55	0 33	10 12	1 58	25 34	17 10	5 45	5 11	8 16		n.a.
F 21	18 41	7 23	0n30	19 37	1 48	25 24	1 52	9 20	0 29	13 26	1 30	23 58	0 19	5 56	0 33	10 12	1 58	25 34	17 9	5 45	5 10	8 14		n.a.
S 22	18 56	10 58	1 37	19 17	2 4	25 14	1 43	9 36	0 29	13 25	1 29	23 58	0 19	5 57	0 33	10 11	1 58	25 33	17 9	5 44	5 9	8 12		n.a.
S 23	19 10	14 6	2 40	18 57	2 20	25 5	1 33	9 52	0 28	13 23	1 29	23 58	0 19	5 58	0 33	10 11	1 58	25 33	17 8	5 43	5 7	8 11		n.a.
M24	19 24	16 35	3 37	18 36	2 36	24 54	1 23	10 8	0 28	13 22	1 29	23 58	0 19	5 59	0 33	10 11	1 58	25 32	17 8	5 41	5 6	8 9		n.a.
T 25	19 37	18 12	4 22	18 16	2 51	24 44	1 12	10 23	0 27	13 20	1 29	23 58	0 19	6 0	0 33	10 10	1 58	25 32	17 7	5 38	5 5	8 7		n.a.
W26	19 51	18 48	4 53	17 55	3 5	24 32	1 2	10 39	0 26	13 18	1 28	23 57	0 19	6 1	0 33	10 10	1 58	25 31	17 7	5 36	5 4	8 5		n.a.
T 27	20 4	18 16	5 8	17 35	3 19	24 20	0 50	10 55	0 26	13 17	1 28	23 57	0 19	6 2	0 33	10 9	1 58	25 31	17 6	5 33	5 2	8 4		n.a.
F 28	20 16	16 37	5 4	17 15	3 32	24 8	0 38	11 10	0 25	13 15	1 28	23 57	0 19	6 3	0 33	10 9	1 58	25 30	17 6	5 31	5 1	8 2		n.a.
S 29	20 29	13 57	4 41	16 57	3 43	23 55	0 26	11 25	0 25	13 13	1 28	23 57	0 19	6 4	0 33	10 8	1 58	25 30	17 5	5 29	5 0	8 0		n.a.
S 30	20 41	10 27	4 2	16 39	3 53	23 41	0 14	11 41	0 24	13 11	1 27	23 57	0 19	6 5	0 33	10 8	1 58	25 29	17 5	5 29	4 59	7 58		n.a.
M31	20n52	6s21	3n 7	16n23	4s 2	23n27	0n 1	11n56	0s23	13n 9	1n27	23n56	0n19	6n 7	0s33	10s 7	1n58	25n28	17n 4	5s28	4s57	7n57		n.a.

Julian Day Number = 1539283.5, Delta T = 04h38m53s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'36, Lahiri = -10°50'35 Julian Calendar 1 May 499 BCE == Greg. Calendar 26 Apr. 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

JUNE 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 13 1	3♊ 9'03	20♓38	29°R 3	20°R27	2♉36	29♌36	6♋ 4	16♈40	0°R56	5♍13	13♎43	12♎20	1♍35	n.a.	T 1
W 2	16 16 58	4° 6'09	4♈42	28♉31	20♊ 3	3°17	29°41	6°11	16°42	0♏55	5°13	13°44	12°17	1°41	n.a.	W 2
T 3	16 20 54	5° 3'16	18°41	28° 1	19°37	3°59	29°46	6°18	16°45	0°54	5°13	13°R44	12°13	1°48	n.a.	T 3
F 4	16 24 51	6° 0'23	2♉33	27°35	19° 9	4°40	29°52	6°25	16°48	0°52	5°14	13°43	12°10	1°55	n.a.	F 4
S 5	16 28 47	6°57'30	16°16	27°12	18°40	5°21	29°58	6°32	16°50	0°51	5°14	13°39	12° 7	2° 1	n.a.	S 5
S 6	16 32 44	7°54'38	29°47	26°53	18° 8	6° 2	0♍ 3	6°39	16°53	0°50	5°15	13°33	12° 4	2° 8	n.a.	S 6
M 7	16 36 41	8°51'46	13♊ 5	26°38	17°36	6°43	0° 9	6°46	16°55	0°49	5°15	13°25	12° 1	2°15	n.a.	M 7
T 8	16 40 37	9°48'54	26° 8	26°28	17° 1	7°24	0°16	6°53	16°57	0°48	5°16	13°15	11°57	2°21	n.a.	T 8
W 9	16 44 34	10°46'03	8♋54	26°23	16°26	8° 5	0°22	7° 0	17° 0	0°46	5°16	13° 5	11°54	2°28	n.a.	W 9
T 10	16 48 30	11°43'12	21°24	26°D22	15°50	8°46	0°28	7° 7	17° 2	0°45	5°17	12°56	11°51	2°35	n.a.	T 10
F 11	16 52 27	12°40'21	3♌39	26°27	15°14	9°27	0°35	7°15	17° 4	0°44	5°18	12°48	11°48	2°41	n.a.	F 11
S 12	16 56 23	13°37'30	15°42	26°37	14°36	10° 8	0°42	7°22	17° 7	0°43	5°18	12°42	11°45	2°48	n.a.	S 12
S 13	17 0 20	14°34'40	27°37	26°53	13°59	10°48	0°48	7°29	17° 9	0°42	5°19	12°38	11°42	2°55	n.a.	S 13
M14	17 4 16	15°31'50	9♍27	27°14	13°22	11°29	0°55	7°36	17°11	0°41	5°20	12°37	11°38	3° 1	n.a.	M14
T 15	17 8 13	16°29'00	21°18	27°41	12°45	12°10	1° 2	7°44	17°13	0°40	5°20	12°D37	11°35	3° 8	n.a.	T 15
W16	17 12 10	17°26'10	3♎15	28°13	12° 8	12°50	1°10	7°51	17°15	0°39	5°21	12°37	11°32	3°15	n.a.	W16
T 17	17 16 6	18°23'21	15°23	28°50	11°33	13°31	1°17	7°58	17°17	0°38	5°22	12°R37	11°29	3°22	n.a.	T 17
F 18	17 20 3	19°20'32	27°48	29°33	10°58	14°11	1°24	8° 6	17°19	0°37	5°23	12°36	11°26	3°28	n.a.	F 18
S 19	17 23 59	20°17'43	10♏33	0♊22	10°24	14°51	1°32	8°13	17°21	0°36	5°24	12°33	11°23	3°35	n.a.	S 19
S 20	17 27 56	21°14'56	23°41	1°16	9°52	15°31	1°40	8°21	17°23	0°35	5°25	12°28	11°19	3°42	n.a.	S 20
M21	17 31 52	22°12'08	7♐12	2°14	9°22	16°12	1°48	8°28	17°25	0°34	5°26	12°20	11°16	3°48	n.a.	M21
T 22	17 35 49	23° 9'22	21° 6	3°19	8°53	16°52	1°56	8°36	17°27	0°34	5°27	12°10	11°13	3°55	n.a.	T 22
W23	17 39 46	24° 6'36	5♑17	4°28	8°26	17°32	2° 4	8°43	17°29	0°33	5°28	11°59	11°10	4° 2	n.a.	W23
T 24	17 43 42	25° 3'51	19°42	5°42	8° 1	18°12	2°12	8°51	17°31	0°32	5°29	11°49	11° 7	4° 8	n.a.	T 24
F 25	17 47 39	26° 1'08	4♒13	7° 1	7°38	18°52	2°20	8°58	17°32	0°31	5°30	11°40	11° 3	4°15	n.a.	F 25
S 26	17 51 35	26°58'25	18°45	8°25	7°17	19°32	2°29	9° 6	17°34	0°30	5°31	11°33	11° 0	4°22	n.a.	S 26
S 27	17 55 32	27°55'43	3♓11	9°53	6°58	20°12	2°37	9°13	17°36	0°30	5°32	11°29	10°57	4°28	n.a.	S 27
M28	17 59 28	28°53'03	17°27	11°26	6°42	20°52	2°46	9°21	17°37	0°29	5°33	11°27	10°54	4°35	n.a.	M28
T 29	18 3 25	29°50'24	1♈33	13° 3	6°29	21°31	2°55	9°28	17°39	0°28	5°34	11°D27	10°51	4°42	n.a.	T 29
W30	18 7 21	0♋47'46	15♈27	14♊44	6♊17	22♉11	3♍ 3	9♋36	17♈40	0♏28	5♍36	11°R27	10♎48	4♍48	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 4	1s54	2n 1	16n 8	4s10	23n12	0s12	12n11	0s23	13n 7	1n27	23n56	0n19	6n 8	0s33	10s 7	1n58	25n28	17n 3	5s29	4s56	7n55		n.a.
W 2	21 15	2n38	0 49	15 56	4 16	22 57	0 25	12 26	0 22	13 5	1 27	23 56	0 19	6 9	0 33	10 7	1 58	25 27	17 3	5 29	4 55	7 53		n.a.
T 3	21 25	7 0	0s27	15 45	4 21	22 42	0 39	12 40	0 21	13 3	1 26	23 56	0 20	6 10	0 33	10 6	1 58	25 27	17 2	5 29	4 54	7 51		n.a.
F 4	21 35	10 58	1 39	15 36	4 24	22 26	0 53	12 55	0 21	13 0	1 26	23 55	0 20	6 10	0 33	10 6	1 58	25 26	17 2	5 29	4 52	7 50		n.a.
S 5	21 45	14 17	2 46	15 29	4 25	22 9	1 7	13 10	0 20	12 58	1 26	23 55	0 20	6 11	0 33	10 5	1 57	25 25	17 1	5 27	4 51	7 48		n.a.
S 6	21 55	16 46	3 41	15 24	4 26	21 52	1 21	13 24	0 20	12 56	1 26	23 55	0 20	6 12	0 33	10 5	1 57	25 25	17 1	5 25	4 50	7 46		n.a.
M 7	22 4	18 18	4 24	15 22	4 24	21 35	1 35	13 38	0 19	12 53	1 25	23 54	0 20	6 13	0 33	10 5	1 57	25 24	17 0	5 22	4 48	7 44		n.a.
T 8	22 13	18 50	4 52	15 23	4 22	21 18	1 49	13 52	0 18	12 51	1 25	23 54	0 20	6 14	0 33	10 4	1 57	25 23	17 0	5 18	4 47	7 42		n.a.
W 9	22 21	18 24	5 4	15 25	4 18	21 1	2 3	14 7	0 18	12 49	1 25	23 54	0 20	6 15	0 33	10 4	1 57	25 23	16 59	5 14	4 46	7 41		n.a.
T 10	22 29	17 4	5 2	15 30	4 13	20 43	2 17	14 20	0 17	12 46	1 25	23 53	0 20	6 16	0 33	10 3	1 57	25 22	16 59	5 10	4 45	7 39		n.a.
F 11	22 37	14 58	4 45	15 37	4 6	20 25	2 31	14 34	0 16	12 44	1 24	23 53	0 20	6 17	0 33	10 3	1 57	25 21	16 58	5 7	4 43	7 37		n.a.
S 12	22 44	12 16	4 16	15 47	3 59	20 8	2 45	14 48	0 16	12 41	1 24	23 53	0 20	6 18	0 33	10 3	1 57	25 20	16 58	5 5	4 42	7 35		n.a.
S 13	22 51	9 5	3 36	15 59	3 51	19 50	2 58	15 1	0 15	12 38	1 24	23 52	0 20	6 19	0 33	10 2	1 57	25 20	16 57	5 3	4 41	7 34		n.a.
M14	22 57	5 33	2 48	16 13	3 41	19 33	3 11	15 15	0 14	12 36	1 24	23 52	0 20	6 19	0 33	10 2	1 57	25 19	16 57	5 3	4 40	7 32		n.a.
T 15	23 3	1 48	1 51	16 28	3 31	19 16	3 23	15 28	0 14	12 33	1 24	23 52	0 20	6 20	0 33	10 2	1 57	25 18	16 56	5 3	4 38	7 30		n.a.
W16	23 9	2s 4	0 50	16 46	3 20	18 59	3 36	15 41	0 13	12 30	1 23	23 51	0 20	6 21	0 33	10 2	1 57	25 17	16 56	5 3	4 37	7 28		n.a.
T 17	23 14	5 55	0n15	17 6	3 9	18 43	3 47	15 54	0 12	12 27	1 23	23 51	0 21	6 22	0 33	10 1	1 57	25 16	16 55	5 3	4 36	7 27		n.a.
F 18	23 19	9 35	1 20	17 27	2 57	18 27	3 59	16 7	0 12	12 24	1 23	23 51	0 21	6 23	0 33	10 1	1 57	25 16	16 55	5 3	4 35	7 25		n.a.
S 19	23 24	12 55	2 23	17 49	2 44	18 11	4 9	16 20	0 11	12 21	1 23	23 50	0 21	6 23	0 33	10 1	1 57	25 15	16 54	5 1	4 33	7 23		n.a.
S 20	23 28	15 43	3 20	18 13	2 31	17 57	4 19	16 32	0 10	12 18	1 23	23 50	0 21	6 24	0 33	10 0	1 57	25 14	16 53	4 59	4 32	7 21		n.a.
M21	23 31	17 44	4 8	18 38	2 18	17 43	4 29	16 45	0 10	12 15	1 22	23 49	0 21	6 25	0 33	10 0	1 57	25 13	16 53	4 56	4 31	7 19		n.a.
T 22	23 34	18 46	4 42	19 3	2 5	17 30	4 38	16 57	0 9	12 12	1 22	23 49	0 21	6 25	0 33	10 0	1 57	25 12	16 52	4 52	4 30	7 18		n.a.
W23	23 37	18 39	5 0	19 30	1 51	17 17	4 46	17 9	0 8	12 9	1 22	23 49	0 21	6 26	0 33	10 0	1 57	25 12	16 52	4 48	4 28	7 16		n.a.
T 24	23 40	17 21	4 59	19 57	1 37	17 6	4 54	17 21	0 8	12 6	1 22	23 48	0 21	6 27	0 33	9 59	1 57	25 11	16 51	4 44	4 27	7 14		n.a.
F 25	23 42	14 56	4 39	20 24	1 23	16 55	5 1	17 33	0 7	12 3	1 22	23 48	0 21	6 27	0 33	9 59	1 56	25 10	16 51	4 40	4 26	7 12		n.a.
S 26	23 43	11 35	4 1	20 51	1 9	16 46	5 7	17 45	0 6	11 59	1 21	23 47	0 21	6 28	0 33	9 59	1 56	25 9	16 51	4 38	4 25	7 11		n.a.
S 27	23 44	7 33	3 8	21 19	0 55	16 37	5 13	17 56	0 6	11 56	1 21	23 47	0 21	6 29	0 33	9 59	1 56	25 8	16 50	4 36	4 23	7 9		n.a.
M28	23 45	3 8	2 4	21 45	0 42	16 29	5 18	18 8	0 5	11 53	1 21	23 46	0 21	6 29	0 33	9 59	1 56	25 7	16 50	4 35	4 22	7 7		n.a.
T 29	23 45	1n25	0 52	22 11	0 29	16 22	5 23	18 19	0 4	11 49	1 21	23 46	0 21	6 30	0 34	9 59	1 56	25 6	16 49	4 35	4 21	7 5		n.a.
W30	23n45	5n50	0s21	22n37	0s16	16n16	5s27	18n30	0s 3	11n46	1n21	23n46	0n22	6n30	0s34	9s58	1n56	25n 5	16n49	4s35	4s20	7n 3		n.a.

Julian Day Number = 1539314.5, Delta T = 04h38m52s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'31, Lahiri = -10°50'31 Julian Calendar 1 June 499 BCE == Greg. Calendar 27 May 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

JULY 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 11 18	1♋45'09	29♈ 9	16♊29	6°R 8	22♉51	3♍12	9♋44	17♈42	0°R27	5♍37	11°R26	10♎44	4♍55	n.a.	T 1
F 2	18 15 15	2°42'34	12♉40	18°17	6♊ 2	23°30	3°22	9°51	17°43	0♏27	5°38	11♎23	10°41	5° 2	n.a.	F 2
S 3	18 19 11	3°40'01	26° 0	20° 8	5°58	24°10	3°31	9°59	17°45	0°26	5°40	11°18	10°38	5° 8	n.a.	S 3
S 4	18 23 8	4°37'28	9♊ 9	22° 2	5°D56	24°49	3°40	10° 7	17°46	0°26	5°41	11° 9	10°35	5°15	n.a.	S 4
M 5	18 27 4	5°34'57	22° 7	23°58	5°56	25°28	3°49	10°14	17°47	0°25	5°42	10°58	10°32	5°22	n.a.	M 5
T 6	18 31 1	6°32'28	4♋52	25°56	5°59	26° 8	3°59	10°22	17°48	0°25	5°44	10°46	10°29	5°28	n.a.	T 6
W 7	18 34 57	7°29'59	17°24	27°56	6° 4	26°47	4° 9	10°30	17°50	0°24	5°45	10°32	10°25	5°35	n.a.	W 7
T 8	18 38 54	8°27'32	29°44	29°57	6°11	27°26	4°18	10°37	17°51	0°24	5°47	10°19	10°22	5°42	n.a.	T 8
F 9	18 42 50	9°25'06	11♌52	1♋59	6°21	28° 5	4°28	10°45	17°52	0°24	5°48	10° 8	10°19	5°48	n.a.	F 9
S 10	18 46 47	10°22'41	23°51	4° 2	6°32	28°44	4°38	10°53	17°53	0°23	5°50	10° 0	10°16	5°55	n.a.	S 10
S 11	18 50 44	11°20'17	5♍42	6° 5	6°46	29°23	4°48	11° 0	17°54	0°23	5°51	9°54	10°13	6° 2	n.a.	S 11
M12	18 54 40	12°17'54	17°30	8° 8	7° 1	0♊ 2	4°58	11° 8	17°55	0°23	5°53	9°50	10° 9	6° 8	n.a.	M12
T 13	18 58 37	13°15'32	29°19	10°11	7°18	0°41	5° 8	11°16	17°56	0°23	5°54	9°49	10° 6	6°15	n.a.	T 13
W14	19 2 33	14°13'12	11♎14	12°13	7°38	1°20	5°18	11°23	17°57	0°22	5°56	9°49	10° 3	6°22	n.a.	W14
T 15	19 6 30	15°10'53	23°21	14°15	7°59	1°59	5°29	11°31	17°57	0°22	5°58	9°48	10° 0	6°28	n.a.	T 15
F 16	19 10 26	16° 8'35	5♏45	16°16	8°22	2°37	5°39	11°39	17°58	0°22	5°59	9°47	9°57	6°35	n.a.	F 16
S 17	19 14 23	17° 6'18	18°32	18°16	8°46	3°16	5°50	11°46	17°59	0°22	6° 1	9°44	9°54	6°42	n.a.	S 17
S 18	19 18 19	18° 4'03	1♐44	20°15	9°12	3°55	6° 0	11°54	18° 0	0°22	6° 3	9°39	9°50	6°48	n.a.	S 18
M19	19 22 16	19° 1'49	15°23	22°13	9°40	4°33	6°11	12° 2	18° 0	0°D22	6° 4	9°31	9°47	6°55	n.a.	M19
T 20	19 26 13	19°59'36	29°30	24° 9	10° 9	5°11	6°22	12° 9	18° 1	0°22	6° 6	9°21	9°44	7° 2	n.a.	T 20
W21	19 30 9	20°57'25	13♑59	26° 5	10°40	5°50	6°32	12°17	18° 1	0°22	6° 8	9°10	9°41	7° 8	n.a.	W21
T 22	19 34 6	21°55'15	28°46	27°59	11°12	6°28	6°43	12°24	18° 2	0°22	6°10	8°59	9°38	7°15	n.a.	T 22
F 23	19 38 2	22°53'07	13♒42	29°52	11°45	7° 6	6°54	12°32	18° 2	0°22	6°11	8°50	9°35	7°22	n.a.	F 23
S 24	19 41 59	23°51'01	28°36	1♌44	12°20	7°44	7° 5	12°40	18° 2	0°22	6°13	8°42	9°31	7°28	n.a.	S 24
S 25	19 45 55	24°48'57	13♓22	3°34	12°56	8°23	7°16	12°47	18° 3	0°23	6°15	8°38	9°28	7°35	n.a.	S 25
M26	19 49 52	25°46'54	27°54	5°23	13°34	9° 1	7°28	12°55	18° 3	0°23	6°17	8°36	9°25	7°42	n.a.	M26
T 27	19 53 48	26°44'54	12♈ 8	7°11	14°12	9°39	7°39	13° 2	18° 3	0°23	6°19	8°D36	9°22	7°48	n.a.	T 27
W28	19 57 45	27°42'55	26° 3	8°57	14°52	10°16	7°50	13°10	18° 3	0°23	6°21	8°R36	9°19	7°55	n.a.	W28
T 29	20 1 42	28°40'59	9♉39	10°42	15°33	10°54	8° 2	13°17	18° 4	0°24	6°23	8°36	9°15	8° 2	n.a.	T 29
F 30	20 5 38	29°39'05	22°59	12°26	16°15	11°32	8°13	13°25	18° 4	0°24	6°25	8°33	9°12	8° 8	n.a.	F 30
S 31	20 9 35	0♌37'13	6♊ 3	14♌ 9	16♊57	12♊10	8♍25	13♋32	18°R 4	0♏24	6♍27	8♎29	9♎ 9	8♍15	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n44	9n53	1s32	23n 0	0s 3	16n11	5s31	18n41	0s 3	11n42	1n20	23n45	0n22	6n31	0s34	9s58	1n56	25n 4	16n48	4s35	4s18	7n 2			n.a.
F 2	23 43	13 21	2 37	23 23	0n 9	16 7	5 34	18 52	0 2	11 39	1 20	23 45	0 22	6 32	0 34	9 58	1 56	25 3	16 48	4 34	4 17	7 0			n.a.
S 3	23 42	16 4	3 32	23 43	0 21	16 4	5 37	19 2	0 1	11 35	1 20	23 44	0 22	6 32	0 34	9 58	1 56	25 3	16 47	4 31	4 16	6 58			n.a.
S 4	23 40	17 54	4 15	24 2	0 32	16 1	5 39	19 13	0 1	11 32	1 20	23 44	0 22	6 33	0 34	9 58	1 56	25 2	16 47	4 28	4 15	6 56			n.a.
M 5	23 38	18 47	4 44	24 19	0 42	16 0	5 40	19 23	0n 0	11 28	1 20	23 43	0 22	6 33	0 34	9 58	1 56	25 1	16 46	4 24	4 13	6 55			n.a.
T 6	23 35	18 41	4 59	24 33	0 52	15 59	5 41	19 33	0 1	11 25	1 20	23 43	0 22	6 33	0 34	9 58	1 56	25 0	16 46	4 19	4 12	6 53			n.a.
W 7	23 32	17 41	4 58	24 45	1 1	15 59	5 42	19 43	0 1	11 21	1 19	23 42	0 22	6 34	0 34	9 58	1 56	24 59	16 45	4 13	4 11	6 51			n.a.
T 8	23 29	15 51	4 43	24 54	1 9	16 0	5 42	19 53	0 2	11 17	1 19	23 41	0 22	6 34	0 34	9 57	1 56	24 58	16 45	4 8	4 9	6 49			n.a.
F 9	23 25	13 21	4 16	25 0	1 16	16 2	5 42	20 2	0 3	11 13	1 19	23 41	0 22	6 35	0 34	9 57	1 56	24 57	16 45	4 4	4 8	6 47			n.a.
S 10	23 20	10 20	3 38	25 4	1 23	16 4	5 42	20 12	0 4	11 10	1 19	23 40	0 22	6 35	0 34	9 57	1 56	24 56	16 44	4 0	4 7	6 46			n.a.
S 11	23 16	6 55	2 50	25 5	1 28	16 7	5 41	20 21	0 4	11 6	1 19	23 40	0 22	6 36	0 34	9 57	1 55	24 55	16 44	3 58	4 6	6 44			n.a.
M12	23 11	3 14	1 55	25 3	1 33	16 11	5 40	20 30	0 5	11 2	1 19	23 39	0 23	6 36	0 34	9 57	1 55	24 54	16 43	3 57	4 4	6 42			n.a.
T 13	23 5	0s34	0 55	24 59	1 38	16 15	5 39	20 39	0 6	10 58	1 18	23 39	0 23	6 36	0 34	9 57	1 55	24 53	16 43	3 56	4 3	6 40			n.a.
W14	22 59	4 23	0n 8	24 52	1 41	16 20	5 37	20 48	0 7	10 54	1 18	23 38	0 23	6 36	0 34	9 57	1 55	24 52	16 43	3 56	4 2	6 38			n.a.
T 15	22 53	8 5	1 11	24 42	1 44	16 25	5 35	20 57	0 7	10 50	1 18	23 38	0 23	6 37	0 34	9 57	1 55	24 51	16 42	3 56	4 1	6 37			n.a.
F 16	22 46	11 32	2 13	24 30	1 46	16 31	5 33	21 5	0 8	10 46	1 18	23 37	0 23	6 37	0 34	9 57	1 55	24 50	16 42	3 56	3 59	6 35			n.a.
S 17	22 39	14 32	3 10	24 15	1 47	16 37	5 30	21 14	0 9	10 42	1 18	23 36	0 23	6 37	0 34	9 57	1 55	24 49	16 41	3 54	3 58	6 33			n.a.
S 18	22 31	16 53	3 59	23 59	1 48	16 43	5 28	21 22	0 10	10 38	1 18	23 36	0 23	6 38	0 34	9 57	1 55	24 48	16 41	3 52	3 57	6 31			n.a.
M19	22 23	18 23	4 35	23 40	1 47	16 50	5 25	21 30	0 10	10 34	1 17	23 35	0 23	6 38	0 34	9 57	1 55	24 47	16 41	3 49	3 56	6 29			n.a.
T 20	22 15	18 48	4 57	23 19	1 47	16 58	5 22	21 38	0 11	10 29	1 17	23 35	0 23	6 38	0 34	9 58	1 55	24 46	16 40	3 45	3 54	6 28			n.a.
W21	22 6	18 2	5 0	22 56	1 46	17 5	5 18	21 45	0 12	10 25	1 17	23 34	0 23	6 38	0 34	9 58	1 55	24 45	16 40	3 41	3 53	6 26			n.a.
T 22	21 57	16 3	4 44	22 32	1 44	17 13	5 15	21 53	0 13	10 21	1 17	23 33	0 23	6 38	0 34	9 58	1 55	24 44	16 40	3 36	3 52	6 24			n.a.
F 23	21 47	12 58	4 8	22 6	1 42	17 21	5 11	22 0	0 13	10 17	1 17	23 33	0 24	6 38	0 34	9 58	1 55	24 43	16 39	3 33	3 51	6 22			n.a.
S 24	21 37	9 4	3 15	21 39	1 39	17 29	5 7	22 7	0 14	10 12	1 17	23 32	0 24	6 39	0 34	9 58	1 55	24 42	16 39	3 30	3 49	6 20			n.a.
S 25	21 27	4 38	2 10	21 10	1 36	17 38	5 3	22 14	0 15	10 8	1 17	23 31	0 24	6 39	0 34	9 58	1 55	24 41	16 38	3 28	3 48	6 19			n.a.
M26	21 16	0n 1	0 57	20 40	1 32	17 47	4 59	22 21	0 16	10 4	1 17	23 31	0 24	6 39	0 34	9 58	1 54	24 40	16 38	3 27	3 47	6 17			n.a.
T 27	21 5	4 34	0s19	20 8	1 28	17 55	4 55	22 27	0 16	9 59	1 16	23 30	0 24	6 39	0 34	9 58	1 54	24 39	16 38	3 27	3 45	6 15			n.a.
W28	20 53	8 46	1 31	19 36	1 24	18 4	4 51	22 34	0 17	9 55	1 16	23 29	0 24	6 39	0 34	9 59	1 54	24 38	16 38	3 27	3 44	6 13			n.a.
T 29	20 42	12 25	2 37	19 3	1 19	18 13	4 46	22 40	0 18	9 51	1 16	23 29	0 24	6 39	0 34	9 59	1 54	24 37	16 37	3 27	3 43	6 11			n.a.
F 30	20 29	15 20	3 33	18 28	1 14	18 22	4 41	22 46	0 19	9 46	1 16	23 28	0 24	6 39	0 34	9 59	1 54	24 36	16 37	3 26	3 42	6 10			n.a.
S 31	20n17	17n23	4s16	17n53	1n 9	18n31	4s37	22n52	0n20	9n42	1n16	23n27	0n24	6n39	0s34	9s59	1n54	24n35	16n37	3s24	3s40	6n 8			n.a.

Julian Day Number = 1539344.5, Delta T = 04h38m50s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'27, Lahiri = -10°50'27 Julian Calendar 1 July 499 BCE == Greg. Calendar 26 June 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

AUGUST 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 13 31	1♌35'23	18♊54	15♌50	17♊41	12♊47	8♍36	13♋40	18°R 4	0♏25	6♍29	8°R21	9♎ 6	8♍22	n.a.	S 1
M 2	20 17 28	2°33'35	1♋33	17°31	18°26	13°25	8°48	13°47	18♈ 3	0°25	6°31	8♎12	9° 3	8°28	n.a.	M 2
T 3	20 21 24	3°31'49	14° 0	19° 9	19°12	14° 2	8°59	13°54	18° 3	0°26	6°33	8° 1	9° 0	8°35	n.a.	T 3
W 4	20 25 21	4°30'05	26°18	20°47	19°58	14°40	9°11	14° 2	18° 3	0°26	6°35	7°49	8°56	8°42	n.a.	W 4
T 5	20 29 17	5°28'23	8♌26	22°24	20°46	15°17	9°23	14° 9	18° 3	0°27	6°37	7°37	8°53	8°48	n.a.	T 5
F 6	20 33 14	6°26'43	20°26	23°59	21°34	15°54	9°35	14°16	18° 3	0°27	6°39	7°27	8°50	8°55	n.a.	F 6
S 7	20 37 11	7°25'05	2♍19	25°34	22°23	16°32	9°47	14°24	18° 2	0°28	6°41	7°20	8°47	9° 2	n.a.	S 7
S 8	20 41 7	8°23'29	14° 7	27° 7	23°13	17° 9	9°59	14°31	18° 2	0°29	6°43	7°14	8°44	9° 8	n.a.	S 8
M 9	20 45 4	9°21'54	25°54	28°39	24° 3	17°46	10°11	14°38	18° 1	0°29	6°45	7°12	8°41	9°15	n.a.	M 9
T 10	20 49 0	10°20'21	7♎42	0♍ 9	24°54	18°23	10°23	14°45	18° 1	0°30	6°48	7°D11	8°37	9°22	n.a.	T 10
W11	20 52 57	11°18'50	19°36	1°39	25°46	19° 0	10°35	14°53	18° 0	0°31	6°50	7°11	8°34	9°28	n.a.	W11
T 12	20 56 53	12°17'21	1♏42	3° 7	26°39	19°37	10°47	15° 0	18° 0	0°31	6°52	7°12	8°31	9°35	n.a.	T 12
F 13	21 0 50	13°15'53	14° 3	4°35	27°32	20°13	11° 0	15° 7	17°59	0°32	6°54	7°R13	8°28	9°42	n.a.	F 13
S 14	21 4 46	14°14'28	26°46	6° 1	28°26	20°50	11°12	15°14	17°58	0°33	6°56	7°12	8°25	9°48	n.a.	S 14
S 15	21 8 43	15°13'04	9♐54	7°25	29°20	21°27	11°24	15°21	17°58	0°34	6°59	7° 9	8°21	9°55	n.a.	S 15
M16	21 12 39	16°11'42	23°31	8°49	0♋15	22° 3	11°37	15°28	17°57	0°35	7° 1	7° 4	8°18	10° 2	n.a.	M16
T 17	21 16 36	17°10'21	7♑38	10°11	1°10	22°39	11°49	15°35	17°56	0°36	7° 3	6°58	8°15	10° 8	n.a.	T 17
W18	21 20 33	18° 9'03	22°12	11°32	2° 6	23°16	12° 2	15°42	17°55	0°37	7° 5	6°51	8°12	10°15	n.a.	W18
T 19	21 24 29	19° 7'47	7♒ 7	12°52	3° 3	23°52	12°14	15°49	17°54	0°38	7° 7	6°43	8° 9	10°22	n.a.	T 19
F 20	21 28 26	20° 6'32	22°16	14°11	4° 0	24°28	12°27	15°55	17°53	0°39	7°10	6°37	8° 6	10°28	n.a.	F 20
S 21	21 32 22	21° 5'20	7♓28	15°27	4°58	25° 4	12°39	16° 2	17°52	0°40	7°12	6°32	8° 2	10°35	n.a.	S 21
S 22	21 36 19	22° 4'10	22°33	16°43	5°56	25°40	12°52	16° 9	17°51	0°41	7°14	6°29	7°59	10°42	n.a.	S 22
M23	21 40 15	23° 3'02	7♈24	17°57	6°54	26°16	13° 5	16°16	17°50	0°42	7°17	6°D28	7°56	10°48	n.a.	M23
T 24	21 44 12	24° 1'56	21°53	19° 9	7°53	26°52	13°17	16°22	17°49	0°43	7°19	6°29	7°53	10°55	n.a.	T 24
W25	21 48 8	25° 0'53	5♉59	20°19	8°53	27°28	13°30	16°29	17°48	0°44	7°21	6°30	7°50	11° 2	n.a.	W25
T 26	21 52 5	25°59'52	19°40	21°28	9°53	28° 4	13°43	16°35	17°47	0°45	7°24	6°31	7°46	11° 8	n.a.	T 26
F 27	21 56 2	26°58'54	2♊59	22°34	10°53	28°39	13°55	16°42	17°45	0°46	7°26	6°R32	7°43	11°15	n.a.	F 27
S 28	21 59 58	27°57'58	15°57	23°38	11°54	29°15	14° 8	16°48	17°44	0°48	7°28	6°30	7°40	11°22	n.a.	S 28
S 29	22 3 55	28°57'05	28°38	24°40	12°55	29°50	14°21	16°55	17°43	0°49	7°30	6°27	7°37	11°28	n.a.	S 29
M30	22 7 51	29°56'14	11♋ 4	25°40	13°56	0♋26	14°34	17° 1	17°41	0°50	7°33	6°22	7°34	11°35	n.a.	M30
T 31	22 11 48	0♍55'26	23♋19	26♍37	14♋58	1♋ 1	14♍47	17♋ 7	17♈40	0♏52	7♍35	6♎16	7♎31	11♍42	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	20n 4	18n32	4s46	17n18	1n 3	18n40	4s32	22n58	0n20	9n37	1n16	23n27	0n24	6n39	0s34	9s59	1n54	24n33	16n36	3s21	3s39	6n 6			n.a.
M 2	19 51	18 44	5 1	16 41	0 57	18 48	4 27	23 3	0 21	9 33	1 16	23 26	0 25	6 39	0 34	9 59	1 54	24 32	16 36	3 18	3 38	6 4			n.a.
T 3	19 37	18 1	5 1	16 5	0 51	18 57	4 22	23 9	0 22	9 28	1 16	23 25	0 25	6 39	0 34	10 0	1 54	24 31	16 36	3 13	3 37	6 2			n.a.
W 4	19 23	16 28	4 48	15 27	0 44	19 6	4 17	23 14	0 23	9 23	1 15	23 25	0 25	6 39	0 34	10 0	1 54	24 30	16 36	3 8	3 35	6 1			n.a.
T 5	19 9	14 12	4 21	14 49	0 38	19 14	4 12	23 19	0 24	9 19	1 15	23 24	0 25	6 38	0 34	10 0	1 54	24 29	16 35	3 4	3 34	5 59			n.a.
F 6	18 54	11 21	3 43	14 11	0 31	19 23	4 7	23 24	0 24	9 14	1 15	23 23	0 25	6 38	0 34	10 0	1 54	24 28	16 35	3 0	3 33	5 57			n.a.
S 7	18 39	8 4	2 55	13 32	0 24	19 31	4 1	23 29	0 25	9 10	1 15	23 23	0 25	6 38	0 34	10 1	1 54	24 27	16 35	2 57	3 32	5 55			n.a.
S 8	18 24	4 29	2 0	12 54	0 17	19 39	3 56	23 33	0 26	9 5	1 15	23 22	0 25	6 38	0 34	10 1	1 54	24 26	16 35	2 55	3 30	5 53			n.a.
M 9	18 9	0 44	1 0	12 15	0 9	19 46	3 51	23 38	0 27	9 0	1 15	23 21	0 25	6 38	0 34	10 1	1 54	24 25	16 34	2 53	3 29	5 52			n.a.
T 10	17 53	3s 3	0n 3	11 35	0 2	19 54	3 45	23 42	0 28	8 55	1 15	23 21	0 25	6 38	0 34	10 2	1 53	24 24	16 34	2 53	3 28	5 50			n.a.
W11	17 37	6 45	1 6	10 56	0s 6	20 1	3 40	23 46	0 28	8 51	1 15	23 20	0 25	6 37	0 34	10 2	1 53	24 23	16 34	2 53	3 26	5 48			n.a.
T 12	17 20	10 13	2 8	10 17	0 14	20 8	3 34	23 50	0 29	8 46	1 15	23 19	0 26	6 37	0 34	10 2	1 53	24 22	16 34	2 54	3 25	5 46			n.a.
F 13	17 3	13 19	3 5	9 38	0 21	20 15	3 29	23 53	0 30	8 41	1 15	23 19	0 26	6 37	0 35	10 3	1 53	24 21	16 34	2 54	3 24	5 44			n.a.
S 14	16 46	15 53	3 55	8 58	0 29	20 21	3 23	23 57	0 31	8 36	1 15	23 18	0 26	6 37	0 35	10 3	1 53	24 20	16 33	2 54	3 23	5 43			n.a.
S 15	16 29	17 43	4 34	8 19	0 37	20 27	3 18	24 0	0 32	8 31	1 14	23 17	0 26	6 36	0 35	10 3	1 53	24 19	16 33	2 53	3 21	5 41			n.a.
M16	16 11	18 36	4 59	7 40	0 45	20 33	3 12	24 3	0 33	8 27	1 14	23 16	0 26	6 36	0 35	10 4	1 53	24 18	16 33	2 51	3 20	5 39			n.a.
T 17	15 53	18 24	5 8	7 1	0 53	20 38	3 7	24 6	0 33	8 22	1 14	23 16	0 26	6 36	0 35	10 4	1 53	24 17	16 33	2 48	3 19	5 37			n.a.
W18	15 35	17 1	4 57	6 23	1 1	20 43	3 1	24 9	0 34	8 17	1 14	23 15	0 26	6 35	0 35	10 4	1 53	24 16	16 33	2 45	3 18	5 35			n.a.
T 19	15 17	14 27	4 26	5 45	1 10	20 48	2 55	24 12	0 35	8 12	1 14	23 14	0 26	6 35	0 35	10 5	1 53	24 15	16 33	2 42	3 16	5 34			n.a.
F 20	14 58	10 52	3 36	5 7	1 18	20 52	2 50	24 14	0 36	8 7	1 14	23 14	0 26	6 34	0 35	10 5	1 53	24 14	16 32	2 39	3 15	5 32			n.a.
S 21	14 39	6 33	2 31	4 29	1 26	20 56	2 44	24 16	0 37	8 2	1 14	23 13	0 27	6 34	0 35	10 6	1 53	24 13	16 32	2 38	3 14	5 30			n.a.
S 22	14 20	1 51	1 15	3 52	1 34	20 59	2 38	24 19	0 38	7 57	1 14	23 12	0 27	6 34	0 35	10 6	1 53	24 12	16 32	2 36	3 12	5 28			n.a.
M23	14 1	2n54	0s 5	3 16	1 42	21 2	2 33	24 21	0 39	7 52	1 14	23 11	0 27	6 33	0 35	10 7	1 53	24 11	16 32	2 36	3 11	5 26			n.a.
T 24	13 41	7 21	1 23	2 40	1 50	21 4	2 27	24 22	0 40	7 47	1 14	23 11	0 27	6 33	0 35	10 7	1 53	24 10	16 32	2 36	3 10	5 24			n.a.
W25	13 21	11 17	2 33	2 5	1 58	21 6	2 21	24 24	0 40	7 42	1 14	23 10	0 27	6 32	0 35	10 7	1 52	24 9	16 32	2 37	3 9	5 23			n.a.
T 26	13 1	14 28	3 33	1 31	2 5	21 7	2 16	24 26	0 41	7 37	1 14	23 9	0 27	6 32	0 35	10 8	1 52	24 8	16 32	2 37	3 7	5 21			n.a.
F 27	12 41	16 47	4 20	0 57	2 13	21 8	2 10	24 27	0 42	7 32	1 14	23 9	0 27	6 31	0 35	10 8	1 52	24 7	16 32	2 37	3 6	5 19			n.a.
S 28	12 20	18 10	4 52	0 25	2 21	21 9	2 4	24 28	0 43	7 27	1 14	23 8	0 27	6 31	0 35	10 9	1 52	24 6	16 32	2 37	3 5	5 17			n.a.
S 29	11 59	18 36	5 8	0s 7	2 28	21 9	1 59	24 29	0 44	7 22	1 14	23 7	0 27	6 30	0 35	10 9	1 52	24 5	16 32	2 35	3 4	5 15			n.a.
M30	11 38	18 8	5 10	0 37	2 35	21 8	1 53	24 30	0 45	7 17	1 14	23 7	0 28	6 30	0 35	10 10	1 52	24 4	16 32	2 33	3 2	5 14			n.a.
T 31	11n17	16n49	4s58	1s 6	2s42	21n 7	1s48	24n31	0n46	7n12	1n13	23n 6	0n28	6n29	0s35	10s10	1n52	24n 3	16n31	2s31	3s 1	5n12			n.a.

Julian Day Number = 1539375.5, Delta T = 04h38m49s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'23, Lahiri = -10°50'23 Julian Calendar 1 Aug. 499 BCE == Greg. Calendar 27 July 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

SEPTEMBER 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 15 44	1♍54'40	5♌24	27♍31	16♋ 0	1♋36	15♍ 0	17♋13	17°R38	0♏53	7♍38	6°R 9	7♎27	11♍48	n.a.	W 1
T 2	22 19 41	2°53'56	17°22	28°22	17° 3	2°11	15°13	17°20	17♈37	0°54	7°40	6♎ 3	7°24	11°55	n.a.	T 2
F 3	22 23 37	3°53'14	29°15	29° 9	18° 6	2°46	15°26	17°26	17°35	0°56	7°42	5°58	7°21	12° 2	n.a.	F 3
S 4	22 27 34	4°52'34	11♍ 4	29°53	19° 9	3°21	15°39	17°32	17°33	0°57	7°45	5°54	7°18	12° 8	n.a.	S 4
S 5	22 31 30	5°51'57	22°51	0♎32	20°13	3°56	15°52	17°38	17°32	0°59	7°47	5°51	7°15	12°15	n.a.	S 5
M 6	22 35 27	6°51'21	4♎39	1° 7	21°16	4°31	16° 5	17°44	17°30	1° 0	7°49	5°D51	7°12	12°22	n.a.	M 6
T 7	22 39 24	7°50'48	16°30	1°37	22°21	5° 5	16°18	17°49	17°28	1° 2	7°52	5°51	7° 8	12°28	n.a.	T 7
W 8	22 43 20	8°50'17	28°28	2° 2	23°25	5°40	16°31	17°55	17°27	1° 3	7°54	5°52	7° 5	12°35	n.a.	W 8
T 9	22 47 17	9°49'47	10♏36	2°21	24°30	6°14	16°44	18° 1	17°25	1° 5	7°56	5°54	7° 2	12°42	n.a.	T 9
F 10	22 51 13	10°49'20	22°57	2°33	25°35	6°49	16°57	18° 6	17°23	1° 6	7°59	5°56	6°59	12°48	n.a.	F 10
S 11	22 55 10	11°48'55	5♐38	2°R39	26°40	7°23	17°10	18°12	17°21	1° 8	8° 1	5°57	6°56	12°55	n.a.	S 11
S 12	22 59 6	12°48'31	18°41	2°37	27°46	7°57	17°23	18°18	17°19	1° 9	8° 3	5°R57	6°52	13° 2	n.a.	S 12
M13	23 3 3	13°48'09	2♑ 9	2°28	28°51	8°31	17°36	18°23	17°17	1°11	8° 6	5°56	6°49	13° 8	n.a.	M13
T 14	23 6 59	14°47'49	16° 5	2°10	29°57	9° 5	17°49	18°28	17°15	1°13	8° 8	5°54	6°46	13°15	n.a.	T 14
W15	23 10 56	15°47'31	0♒29	1°44	1♌ 4	9°38	18° 3	18°34	17°13	1°14	8°10	5°51	6°43	13°21	n.a.	W15
T 16	23 14 52	16°47'15	15°16	1° 9	2°10	10°12	18°16	18°39	17°11	1°16	8°13	5°49	6°40	13°28	n.a.	T 16
F 17	23 18 49	17°47'01	0♓21	0°26	3°17	10°46	18°29	18°44	17° 9	1°18	8°15	5°46	6°37	13°35	n.a.	F 17
S 18	23 22 46	18°46'48	15°35	29♍34	4°24	11°19	18°42	18°49	17° 7	1°20	8°17	5°45	6°33	13°41	n.a.	S 18
S 19	23 26 42	19°46'38	0♈48	28°35	5°31	11°52	18°55	18°54	17° 5	1°21	8°20	5°D44	6°30	13°48	n.a.	S 19
M20	23 30 39	20°46'30	15°51	27°29	6°39	12°26	19° 8	18°59	17° 3	1°23	8°22	5°44	6°27	13°55	n.a.	M20
T 21	23 34 35	21°46'24	0♉35	26°17	7°46	12°59	19°21	19° 4	17° 1	1°25	8°24	5°45	6°24	14° 1	n.a.	T 21
W22	23 38 32	22°46'20	14°55	25° 3	8°54	13°32	19°35	19° 9	16°58	1°27	8°27	5°46	6°21	14° 8	n.a.	W22
T 23	23 42 28	23°46'18	28°48	23°46	10° 2	14° 4	19°48	19°13	16°56	1°29	8°29	5°47	6°17	14°15	n.a.	T 23
F 24	23 46 25	24°46'19	12♊14	22°31	11°11	14°37	20° 1	19°18	16°54	1°31	8°31	5°48	6°14	14°21	n.a.	F 24
S 25	23 50 21	25°46'23	25°16	21°19	12°19	15°10	20°14	19°22	16°52	1°33	8°34	5°R48	6°11	14°28	n.a.	S 25
S 26	23 54 18	26°46'28	7♋55	20°12	13°28	15°42	20°27	19°27	16°49	1°35	8°36	5°48	6° 8	14°35	n.a.	S 26
M27	23 58 15	27°46'36	20°17	19°13	14°37	16°15	20°40	19°31	16°47	1°36	8°38	5°47	6° 5	14°41	n.a.	M27
T 28	0 2 11	28°46'46	2♌25	18°23	15°46	16°47	20°53	19°35	16°45	1°38	8°40	5°46	6° 2	14°48	n.a.	T 28
W29	0 6 8	29°46'58	14°23	17°43	16°55	17°19	21° 6	19°40	16°42	1°40	8°43	5°45	5°58	14°55	n.a.	W29
T 30	0 10 4	0♎47'12	26♌15	17♍14	18♌ 5	17♋51	21♍19	19♋44	16♈40	1♏42	8♍45	5♎45	5♎55	15♍ 1	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n56	14n46	4s32	1s34	2s48	21n 5	1s42	24n31	0n47	7n 7	1n13	23n 5	0n28	6n28	0s35	10s11	1n52	24n 2	16n31	2s29	3s 0	5n10		n.a.
T 2	10 34	12 7	3 55	2 0	2 55	21 3	1 37	24 32	0 48	7 2	1 13	23 5	0 28	6 28	0 35	10 12	1 52	24 1	16 31	2 26	2 59	5 8		n.a.
F 3	10 13	8 58	3 7	2 25	3 1	21 0	1 31	24 32	0 49	6 56	1 13	23 4	0 28	6 27	0 35	10 12	1 52	24 0	16 31	2 24	2 57	5 6		n.a.
S 4	9 51	5 29	2 12	2 47	3 6	20 57	1 26	24 32	0 49	6 51	1 13	23 3	0 28	6 27	0 35	10 13	1 52	23 59	16 31	2 22	2 56	5 4		n.a.
S 5	9 29	1 48	1 11	3 8	3 11	20 53	1 20	24 32	0 50	6 46	1 13	23 3	0 28	6 26	0 35	10 13	1 52	23 58	16 31	2 21	2 55	5 3		n.a.
M 6	9 7	1s58	0 7	3 26	3 15	20 49	1 15	24 32	0 51	6 41	1 13	23 2	0 28	6 25	0 35	10 14	1 52	23 58	16 31	2 21	2 53	5 1		n.a.
T 7	8 44	5 40	0n58	3 41	3 19	20 44	1 10	24 32	0 52	6 36	1 13	23 1	0 29	6 25	0 35	10 14	1 52	23 57	16 31	2 21	2 52	4 59		n.a.
W 8	8 22	9 11	2 1	3 54	3 22	20 38	1 5	24 31	0 53	6 31	1 13	23 1	0 29	6 24	0 35	10 15	1 52	23 56	16 31	2 22	2 51	4 57		n.a.
T 9	7 59	12 21	3 0	4 4	3 24	20 32	0 59	24 30	0 54	6 25	1 13	23 0	0 29	6 23	0 35	10 15	1 52	23 55	16 31	2 22	2 50	4 55		n.a.
F 10	7 36	15 1	3 51	4 10	3 26	20 25	0 54	24 30	0 55	6 20	1 13	22 59	0 29	6 22	0 35	10 16	1 52	23 54	16 32	2 23	2 48	4 54		n.a.
S 11	7 13	17 3	4 33	4 12	3 26	20 18	0 49	24 29	0 56	6 15	1 13	22 59	0 29	6 22	0 35	10 17	1 52	23 53	16 32	2 23	2 47	4 52		n.a.
S 12	6 50	18 15	5 2	4 11	3 25	20 10	0 44	24 28	0 57	6 10	1 13	22 58	0 29	6 21	0 35	10 17	1 51	23 52	16 32	2 23	2 46	4 50		n.a.
M13	6 27	18 29	5 15	4 5	3 22	20 1	0 39	24 27	0 58	6 5	1 13	22 57	0 29	6 20	0 35	10 18	1 51	23 51	16 32	2 23	2 45	4 48		n.a.
T 14	6 4	17 37	5 11	3 54	3 19	19 52	0 34	24 25	0 59	6 0	1 13	22 57	0 30	6 19	0 35	10 19	1 51	23 51	16 32	2 22	2 43	4 46		n.a.
W15	5 40	15 38	4 47	3 39	3 13	19 43	0 29	24 24	1 0	5 54	1 13	22 56	0 30	6 19	0 35	10 19	1 51	23 50	16 32	2 21	2 42	4 44		n.a.
T 16	5 17	12 35	4 4	3 18	3 6	19 33	0 24	24 22	1 1	5 49	1 13	22 56	0 30	6 18	0 35	10 20	1 51	23 49	16 32	2 20	2 41	4 43		n.a.
F 17	4 53	8 38	3 4	2 53	2 57	19 22	0 19	24 21	1 2	5 44	1 13	22 55	0 30	6 17	0 35	10 21	1 51	23 48	16 32	2 19	2 39	4 41		n.a.
S 18	4 30	4 5	1 49	2 22	2 47	19 10	0 15	24 19	1 3	5 39	1 13	22 54	0 30	6 16	0 35	10 21	1 51	23 47	16 32	2 19	2 38	4 39		n.a.
S 19	4 6	0n44	0 27	1 46	2 34	18 59	0 10	24 17	1 4	5 33	1 13	22 54	0 30	6 15	0 35	10 22	1 51	23 46	16 32	2 18	2 37	4 37		n.a.
M20	3 42	5 28	0s56	1 7	2 19	18 46	0 5	24 15	1 5	5 28	1 13	22 53	0 30	6 15	0 35	10 23	1 51	23 46	16 32	2 18	2 36	4 35		n.a.
T 21	3 18	9 45	2 14	0 23	2 3	18 33	0 1	24 13	1 6	5 23	1 13	22 53	0 30	6 14	0 35	10 23	1 51	23 45	16 33	2 19	2 34	4 33		n.a.
W22	2 54	13 20	3 21	0n24	1 45	18 19	0n 4	24 10	1 7	5 18	1 13	22 52	0 31	6 13	0 35	10 24	1 51	23 44	16 33	2 19	2 33	4 32		n.a.
T 23	2 30	16 1	4 14	1 12	1 26	18 5	0 8	24 8	1 8	5 13	1 13	22 52	0 31	6 12	0 35	10 25	1 51	23 43	16 33	2 20	2 32	4 30		n.a.
F 24	2 6	17 45	4 51	2 0	1 6	17 51	0 12	24 5	1 9	5 7	1 13	22 51	0 31	6 11	0 35	10 25	1 51	23 43	16 33	2 20	2 31	4 28		n.a.
S 25	1 42	18 28	5 12	2 48	0 45	17 35	0 17	24 3	1 10	5 2	1 13	22 51	0 31	6 10	0 35	10 26	1 51	23 42	16 33	2 20	2 29	4 26		n.a.
S 26	1 18	18 14	5 17	3 33	0 24	17 20	0 21	24 0	1 11	4 57	1 13	22 50	0 31	6 9	0 35	10 27	1 51	23 41	16 33	2 20	2 28	4 24		n.a.
M27	0 54	17 8	5 8	4 15	0 4	17 3	0 25	23 57	1 13	4 52	1 13	22 50	0 31	6 8	0 35	10 27	1 51	23 40	16 34	2 20	2 27	4 22		n.a.
T 28	0 29	15 16	4 44	4 53	0n15	16 47	0 29	23 54	1 14	4 47	1 13	22 49	0 31	6 7	0 35	10 28	1 51	23 40	16 34	2 19	2 25	4 21		n.a.
W29	0 5	12 46	4 8	5 26	0 34	16 29	0 33	23 51	1 15	4 41	1 13	22 49	0 32	6 7	0 35	10 29	1 51	23 39	16 34	2 19	2 24	4 19		n.a.
T 30	0s19	9n46	3s22	5n53	0n51	16n11	0n37	23n48	1n16	4n36	1n13	22n48	0n32	6n 6	0s35	10s30	1n51	23n38	16n34	2s19	2s23	4n17		n.a.

Julian Day Number = 1539406.5, Delta T = 04h38m48s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'19, Lahiri = -10°50'18 Julian Calendar 1 Sept. 499 BCE == Greg. Calendar 27 Aug. 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

OCTOBER 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 14 1	1♎47'28	8♍ 3	16°R57	19♌14	18♋22	21♍32	19♋48	16°R38	1♏44	8♍47	5°R44	5♎52	15♍ 8	n.a.	F 1
S 2	0 17 57	2°47'47	19°51	16°D52	20°24	18°54	21°46	19°51	16♈35	1°46	8°49	5♎44	5°49	15°15	n.a.	S 2
S 3	0 21 54	3°48'07	1♎40	16♍58	21°34	19°26	21°59	19°55	16°33	1°48	8°51	5°D44	5°46	15°21	n.a.	S 3
M 4	0 25 50	4°48'29	13°34	17°14	22°44	19°57	22°12	19°59	16°30	1°51	8°54	5°44	5°43	15°28	n.a.	M 4
T 5	0 29 47	5°48'53	25°33	17°41	23°54	20°28	22°25	20° 3	16°28	1°53	8°56	5°R44	5°39	15°35	n.a.	T 5
W 6	0 33 43	6°49'18	7♏41	18°16	25° 4	20°59	22°38	20° 6	16°25	1°55	8°58	5°44	5°36	15°41	n.a.	W 6
T 7	0 37 40	7°49'45	19°59	19° 0	26°15	21°30	22°50	20° 9	16°23	1°57	9° 0	5°43	5°33	15°48	n.a.	T 7
F 8	0 41 37	8°50'14	2♐29	19°51	27°26	22° 1	23° 3	20°13	16°21	1°59	9° 2	5°43	5°30	15°55	n.a.	F 8
S 9	0 45 33	9°50'45	15°14	20°49	28°36	22°31	23°16	20°16	16°18	2° 1	9° 4	5°43	5°27	16° 1	n.a.	S 9
S 10	0 49 30	10°51'16	28°17	21°53	29°47	23° 2	23°29	20°19	16°16	2° 3	9° 6	5°42	5°23	16° 8	n.a.	S 10
M11	0 53 26	11°51'50	11♑40	23° 1	0♍58	23°32	23°42	20°22	16°13	2° 5	9° 8	5°D42	5°20	16°15	n.a.	M11
T 12	0 57 23	12°52'24	25°25	24°14	2° 9	24° 2	23°55	20°25	16°11	2° 7	9°11	5°42	5°17	16°21	n.a.	T 12
W13	1 1 19	13°53'00	9♒31	25°30	3°21	24°32	24° 8	20°28	16° 8	2°10	9°13	5°43	5°14	16°28	n.a.	W13
T 14	1 5 16	14°53'38	23°59	26°50	4°32	25° 1	24°20	20°31	16° 6	2°12	9°15	5°44	5°11	16°34	n.a.	T 14
F 15	1 9 12	15°54'16	8♓45	28°12	5°44	25°31	24°33	20°33	16° 3	2°14	9°17	5°44	5° 8	16°41	n.a.	F 15
S 16	1 13 9	16°54'56	23°43	29°36	6°55	26° 0	24°46	20°36	16° 1	2°16	9°19	5°45	5° 4	16°48	n.a.	S 16
S 17	1 17 6	17°55'37	8♈46	1♎ 2	8° 7	26°29	24°58	20°38	15°58	2°18	9°21	5°R45	5° 1	16°54	n.a.	S 17
M18	1 21 2	18°56'20	23°45	2°30	9°19	26°58	25°11	20°41	15°56	2°21	9°22	5°45	4°58	17° 1	n.a.	M18
T 19	1 24 59	19°57'04	8♉31	3°59	10°31	27°27	25°24	20°43	15°53	2°23	9°24	5°44	4°55	17° 8	n.a.	T 19
W20	1 28 55	20°57'50	22°59	5°29	11°43	27°56	25°36	20°45	15°51	2°25	9°26	5°42	4°52	17°14	n.a.	W20
T 21	1 32 52	21°58'38	7♊ 1	7° 0	12°55	28°24	25°49	20°47	15°48	2°27	9°28	5°40	4°48	17°21	n.a.	T 21
F 22	1 36 48	22°59'27	20°37	8°32	14° 7	28°52	26° 1	20°49	15°46	2°29	9°30	5°37	4°45	17°28	n.a.	F 22
S 23	1 40 45	24° 0'18	3♋46	10° 4	15°20	29°20	26°13	20°51	15°43	2°32	9°32	5°35	4°42	17°34	n.a.	S 23
S 24	1 44 41	25° 1'10	16°31	11°36	16°32	29°48	26°26	20°52	15°41	2°34	9°34	5°34	4°39	17°41	n.a.	S 24
M25	1 48 38	26° 2'04	28°55	13° 9	17°45	0♌15	26°38	20°54	15°38	2°36	9°35	5°D34	4°36	17°48	n.a.	M25
T 26	1 52 35	27° 2'59	11♌ 2	14°43	18°58	0°43	26°50	20°55	15°36	2°38	9°37	5°35	4°33	17°54	n.a.	T 26
W27	1 56 31	28° 3'56	22°58	16°16	20°10	1°10	27° 2	20°57	15°33	2°41	9°39	5°36	4°29	18° 1	n.a.	W27
T 28	2 0 28	29° 4'55	4♍47	17°50	21°23	1°36	27°15	20°58	15°31	2°43	9°41	5°38	4°26	18° 8	n.a.	T 28
F 29	2 4 24	0♏ 5'54	16°34	19°23	22°36	2° 3	27°27	20°59	15°28	2°45	9°42	5°40	4°23	18°14	n.a.	F 29
S 30	2 8 21	1° 6'55	28°22	20°57	23°49	2°29	27°39	21° 0	15°26	2°47	9°44	5°41	4°20	18°21	n.a.	S 30
S 31	2 12 17	2♏ 7'58	10♎16	22♎31	25♍ 2	2♌55	27♍51	21♋ 1	15♈24	2♏50	9♍46	5°R41	4♎17	18♍28	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s43	6n22	2s28	6n14	1n 6	15n53	0n40	23n45	1n17	4n31	1n13	22n48	0n32	6n 5	0s35	10s30	1n51	23n38	16n35	2s18	2s22	4n15		n.a.
S 2	1 8	2 44	1 27	6 29	1 20	15 34	0 44	23 41	1 18	4 26	1 13	22 47	0 32	6 4	0 35	10 31	1 51	23 37	16 35	2 18	2 20	4 13		n.a.
S 3	1 32	1s 1	0 23	6 37	1 32	15 15	0 48	23 38	1 19	4 21	1 13	22 47	0 32	6 3	0 35	10 32	1 51	23 36	16 35	2 18	2 19	4 11		n.a.
M 4	1 56	4 45	0n43	6 40	1 42	14 55	0 51	23 34	1 20	4 15	1 13	22 47	0 32	6 2	0 35	10 33	1 51	23 36	16 35	2 18	2 18	4 10		n.a.
T 5	2 20	8 20	1 48	6 38	1 51	14 35	0 54	23 31	1 21	4 10	1 13	22 46	0 32	6 1	0 35	10 33	1 51	23 35	16 36	2 18	2 17	4 8		n.a.
W 6	2 45	11 36	2 49	6 30	1 58	14 14	0 58	23 27	1 23	4 5	1 13	22 46	0 33	6 0	0 35	10 34	1 51	23 35	16 36	2 18	2 15	4 6		n.a.
T 7	3 9	14 24	3 42	6 18	2 4	13 53	1 1	23 23	1 24	4 0	1 13	22 45	0 33	5 59	0 35	10 35	1 51	23 34	16 36	2 18	2 14	4 4		n.a.
F 8	3 33	16 35	4 26	6 2	2 8	13 32	1 4	23 19	1 25	3 55	1 13	22 45	0 33	5 58	0 35	10 36	1 50	23 33	16 36	2 18	2 13	4 2		n.a.
S 9	3 57	17 59	4 58	5 42	2 11	13 10	1 7	23 16	1 26	3 50	1 14	22 45	0 33	5 57	0 35	10 36	1 50	23 33	16 37	2 18	2 11	4 0		n.a.
S 10	4 21	18 29	5 15	5 18	2 13	12 47	1 10	23 12	1 27	3 45	1 14	22 44	0 33	5 56	0 35	10 37	1 50	23 32	16 37	2 18	2 10	3 59		n.a.
M11	4 45	17 59	5 16	4 51	2 14	12 24	1 13	23 8	1 29	3 39	1 14	22 44	0 33	5 55	0 35	10 38	1 50	23 32	16 37	2 18	2 9	3 57		n.a.
T 12	5 9	16 26	4 59	4 22	2 14	12 1	1 16	23 3	1 30	3 34	1 14	22 44	0 34	5 54	0 35	10 39	1 50	23 31	16 38	2 18	2 8	3 55		n.a.
W13	5 33	13 51	4 24	3 50	2 13	11 38	1 19	22 59	1 31	3 29	1 14	22 44	0 34	5 53	0 35	10 39	1 50	23 31	16 38	2 18	2 6	3 53		n.a.
T 14	5 57	10 22	3 32	3 17	2 11	11 14	1 21	22 55	1 32	3 24	1 14	22 43	0 34	5 52	0 35	10 40	1 50	23 30	16 38	2 18	2 5	3 51		n.a.
F 15	6 20	6 10	2 25	2 42	2 9	10 49	1 24	22 51	1 33	3 19	1 14	22 43	0 34	5 51	0 35	10 41	1 50	23 30	16 39	2 19	2 4	3 49		n.a.
S 16	6 44	1 31	1 6	2 5	2 6	10 25	1 26	22 46	1 35	3 14	1 14	22 43	0 34	5 50	0 35	10 42	1 50	23 29	16 39	2 19	2 2	3 48		n.a.
S 17	7 7	3n16	0s17	1 27	2 2	10 0	1 28	22 42	1 36	3 9	1 14	22 43	0 34	5 49	0 35	10 42	1 50	23 29	16 39	2 19	2 1	3 46		n.a.
M18	7 31	7 49	1 38	0 48	1 58	9 34	1 31	22 38	1 37	3 4	1 14	22 42	0 34	5 48	0 35	10 43	1 50	23 29	16 40	2 19	2 0	3 44		n.a.
T 19	7 54	11 49	2 52	0 8	1 54	9 9	1 33	22 33	1 39	2 59	1 14	22 42	0 35	5 47	0 35	10 44	1 50	23 28	16 40	2 18	1 59	3 42		n.a.
W20	8 17	15 0	3 53	0s33	1 49	8 43	1 35	22 29	1 40	2 54	1 14	22 42	0 35	5 47	0 35	10 45	1 50	23 28	16 40	2 17	1 57	3 40		n.a.
T 21	8 40	17 12	4 38	1 14	1 44	8 17	1 37	22 24	1 41	2 49	1 14	22 42	0 35	5 46	0 35	10 46	1 50	23 27	16 41	2 17	1 56	3 38		n.a.
F 22	9 3	18 20	5 6	1 55	1 38	7 50	1 38	22 20	1 42	2 44	1 14	22 42	0 35	5 45	0 35	10 46	1 50	23 27	16 41	2 16	1 55	3 36		n.a.
S 23	9 26	18 26	5 16	2 37	1 33	7 23	1 40	22 15	1 44	2 39	1 14	22 42	0 35	5 44	0 35	10 47	1 50	23 27	16 42	2 15	1 54	3 35		n.a.
S 24	9 49	17 35	5 11	3 19	1 27	6 56	1 42	22 10	1 45	2 34	1 14	22 42	0 35	5 43	0 35	10 48	1 50	23 26	16 42	2 14	1 52	3 33		n.a.
M25	10 11	15 54	4 51	4 1	1 21	6 29	1 43	22 6	1 47	2 30	1 15	22 41	0 36	5 42	0 35	10 49	1 50	23 26	16 42	2 14	1 51	3 31		n.a.
T 26	10 33	13 33	4 18	4 44	1 15	6 2	1 45	22 1	1 48	2 25	1 15	22 41	0 36	5 41	0 35	10 50	1 50	23 26	16 43	2 15	1 50	3 29		n.a.
W27	10 55	10 40	3 35	5 26	1 8	5 34	1 46	21 56	1 49	2 20	1 15	22 41	0 36	5 40	0 35	10 50	1 50	23 25	16 43	2 15	1 48	3 27		n.a.
T 28	11 17	7 22	2 42	6 8	1 2	5 6	1 47	21 52	1 51	2 15	1 15	22 41	0 36	5 39	0 35	10 51	1 50	23 25	16 44	2 16	1 47	3 25		n.a.
F 29	11 39	3 47	1 44	6 50	0 55	4 38	1 48	21 47	1 52	2 10	1 15	22 41	0 36	5 38	0 35	10 52	1 50	23 25	16 44	2 17	1 46	3 24		n.a.
S 30	12 1	0 3	0 40	7 32	0 48	4 9	1 50	21 42	1 54	2 6	1 15	22 41	0 36	5 37	0 35	10 53	1 50	23 25	16 45	2 17	1 45	3 22		n.a.
S 31	12s22	3s44	0n25	8s14	0n42	3n41	1n50	21n37	1n55	2n 1	1n15	22n41	0n37	5n36	0s35	10s53	1n50	23n24	16n45	2s17	1s43	3n20		n.a.

Julian Day Number = 1539436.5, Delta T = 04h38m47s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'15, Lahiri = -10°50'14 Julian Calendar 1 Oct. 499 BCE == Greg. Calendar 26 Sept. 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

NOVEMBER 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 16 14	3♏ 9'01	22♎18	24♎ 5	26♍15	3♌21	28♍ 3	21♋ 2	15°R21	2♏52	9♍47	5°R40	4♎14	18♍34	n.a.	M 1
T 2	2 20 10	4°10'05	4♏30	25°39	27°28	3°47	28°15	21° 2	15♈19	2°54	9°49	5♎37	4°10	18°41	n.a.	T 2
W 3	2 24 7	5°11'11	16°53	27°13	28°42	4°12	28°26	21° 3	15°17	2°56	9°50	5°33	4° 7	18°47	n.a.	W 3
T 4	2 28 4	6°12'17	29°29	28°46	29°55	4°37	28°38	21° 3	15°14	2°59	9°52	5°28	4° 4	18°54	n.a.	T 4
F 5	2 32 0	7°13'25	12♐17	0♏20	1♎ 9	5° 2	28°50	21° 4	15°12	3° 1	9°53	5°22	4° 1	19° 1	n.a.	F 5
S 6	2 35 57	8°14'33	25°18	1°54	2°22	5°26	29° 1	21° 4	15°10	3° 3	9°55	5°17	3°58	19° 7	n.a.	S 6
S 7	2 39 53	9°15'41	8♑32	3°28	3°36	5°51	29°13	21°R 4	15° 8	3° 6	9°56	5°12	3°54	19°14	n.a.	S 7
M 8	2 43 50	10°16'51	22° 0	5° 2	4°49	6°15	29°24	21° 4	15° 5	3° 8	9°58	5° 9	3°51	19°21	n.a.	M 8
T 9	2 47 46	11°18'00	5♒41	6°36	6° 3	6°38	29°36	21° 4	15° 3	3°10	9°59	5°D 7	3°48	19°27	n.a.	T 9
W10	2 51 43	12°19'11	19°37	8°10	7°16	7° 1	29°47	21° 4	15° 1	3°12	10° 1	5° 8	3°45	19°34	n.a.	W10
T 11	2 55 39	13°20'21	3♓46	9°45	8°30	7°24	29°58	21° 3	14°59	3°15	10° 2	5° 9	3°42	19°41	n.a.	T 11
F 12	2 59 36	14°21'32	18° 8	11°19	9°44	7°47	0♎ 9	21° 3	14°57	3°17	10° 3	5°10	3°39	19°47	n.a.	F 12
S 13	3 3 33	15°22'43	2♈40	12°53	10°58	8° 9	0°21	21° 2	14°55	3°19	10° 4	5°R11	3°35	19°54	n.a.	S 13
S 14	3 7 29	16°23'54	17°18	14°27	12°12	8°31	0°32	21° 2	14°53	3°21	10° 6	5°10	3°32	20° 1	n.a.	S 14
M15	3 11 26	17°25'06	1♉57	16° 2	13°26	8°53	0°42	21° 1	14°51	3°23	10° 7	5° 8	3°29	20° 7	n.a.	M15
T 16	3 15 22	18°26'18	16°29	17°37	14°40	9°14	0°53	21° 0	14°49	3°26	10° 8	5° 3	3°26	20°14	n.a.	T 16
W17	3 19 19	19°27'31	0♊48	19°11	15°54	9°35	1° 4	20°59	14°47	3°28	10° 9	4°56	3°23	20°21	n.a.	W17
T 18	3 23 15	20°28'45	14°48	20°46	17° 8	9°56	1°15	20°58	14°45	3°30	10°10	4°49	3°20	20°27	n.a.	T 18
F 19	3 27 12	21°29'58	28°26	22°22	18°22	10°16	1°25	20°57	14°43	3°32	10°11	4°41	3°16	20°34	n.a.	F 19
S 20	3 31 8	22°31'13	11♋39	23°57	19°36	10°36	1°36	20°55	14°41	3°34	10°12	4°33	3°13	20°41	n.a.	S 20
S 21	3 35 5	23°32'28	24°29	25°33	20°50	10°55	1°46	20°54	14°39	3°37	10°13	4°27	3°10	20°47	n.a.	S 21
M22	3 39 2	24°33'43	6♌56	27° 8	22° 4	11°14	1°57	20°52	14°38	3°39	10°14	4°23	3° 7	20°54	n.a.	M22
T 23	3 42 58	25°34'59	19° 6	28°44	23°18	11°33	2° 7	20°51	14°36	3°41	10°15	4°21	3° 4	21° 0	n.a.	T 23
W24	3 46 55	26°36'15	1♍ 2	0♐21	24°33	11°51	2°17	20°49	14°34	3°43	10°16	4°D21	3° 0	21° 7	n.a.	W24
T 25	3 50 51	27°37'32	12°52	1°57	25°47	12° 9	2°27	20°47	14°33	3°45	10°17	4°22	2°57	21°14	n.a.	T 25
F 26	3 54 48	28°38'49	24°39	3°34	27° 1	12°27	2°37	20°45	14°31	3°47	10°18	4°23	2°54	21°20	n.a.	F 26
S 27	3 58 44	29°40'06	6♎29	5°11	28°16	12°44	2°47	20°43	14°29	3°49	10°19	4°R24	2°51	21°27	n.a.	S 27
S 28	4 2 41	0♐41'23	18°27	6°49	29°30	13° 0	2°56	20°41	14°28	3°51	10°20	4°22	2°48	21°34	n.a.	S 28
M29	4 6 37	1°42'41	0♏36	8°26	0♏45	13°16	3° 6	20°39	14°26	3°53	10°20	4°19	2°45	21°40	n.a.	M29
T 30	4 10 34	2♐43'59	13♏ 0	10♐ 4	1♏59	13♌32	3♎16	20♋36	14♈25	3♏55	10♍21	4♎13	2♎41	21♍47	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s43	7s24	1n30	8s55	0n35	3n12	1n51	21n33	1n56	1n56	1n15	22n41	0n37	5n35	0s35	10s54	1n50	23n24	16n46	2s17	1s42	3n18		n.a.
T 2	13 4	10 49	2 32	9 36	0 28	2 44	1 52	21 28	1 58	1 51	1 15	22 41	0 37	5 34	0 35	10 55	1 50	23 24	16 46	2 16	1 41	3 16		n.a.
W 3	13 25	13 48	3 27	10 17	0 22	2 15	1 53	21 23	1 59	1 47	1 15	22 41	0 37	5 33	0 35	10 56	1 50	23 24	16 46	2 14	1 39	3 14		n.a.
T 4	13 46	16 11	4 13	10 57	0 15	1 46	1 53	21 19	2 1	1 42	1 16	22 42	0 37	5 33	0 35	10 57	1 50	23 24	16 47	2 12	1 38	3 12		n.a.
F 5	14 6	17 49	4 47	11 37	0 8	1 17	1 54	21 14	2 2	1 38	1 16	22 42	0 37	5 32	0 35	10 57	1 50	23 23	16 47	2 10	1 37	3 11		n.a.
S 6	14 26	18 33	5 7	12 16	0 1	0 47	1 54	21 9	2 4	1 33	1 16	22 42	0 38	5 31	0 35	10 58	1 50	23 23	16 48	2 7	1 36	3 9		n.a.
S 7	14 46	18 17	5 12	12 55	0s 5	0 18	1 55	21 5	2 5	1 28	1 16	22 42	0 38	5 30	0 35	10 59	1 50	23 23	16 48	2 6	1 34	3 7		n.a.
M 8	15 6	17 1	4 59	13 33	0 12	0s11	1 55	21 0	2 7	1 24	1 16	22 42	0 38	5 29	0 35	11 0	1 50	23 23	16 49	2 4	1 33	3 5		n.a.
T 9	15 25	14 45	4 29	14 11	0 18	0 41	1 55	20 56	2 9	1 19	1 16	22 42	0 38	5 28	0 35	11 0	1 50	23 23	16 49	2 4	1 32	3 3		n.a.
W10	15 44	11 36	3 43	14 48	0 25	1 10	1 55	20 51	2 10	1 15	1 16	22 42	0 38	5 28	0 35	11 1	1 50	23 23	16 50	2 4	1 31	3 1		n.a.
T 11	16 3	7 44	2 43	15 25	0 31	1 40	1 55	20 47	2 12	1 11	1 16	22 43	0 38	5 27	0 35	11 2	1 50	23 23	16 50	2 4	1 29	3 0		n.a.
F 12	16 21	3 21	1 32	16 1	0 37	2 9	1 55	20 43	2 13	1 6	1 16	22 43	0 39	5 26	0 35	11 3	1 50	23 23	16 51	2 5	1 28	2 58		n.a.
S 13	16 40	1n17	0 14	16 36	0 44	2 38	1 54	20 38	2 15	1 2	1 17	22 43	0 39	5 25	0 35	11 3	1 50	23 23	16 51	2 5	1 27	2 56		n.a.
S 14	16 58	5 52	1s 5	17 10	0 50	3 8	1 54	20 34	2 17	0 58	1 17	22 43	0 39	5 24	0 35	11 4	1 50	23 23	16 52	2 5	1 25	2 54		n.a.
M15	17 15	10 7	2 20	17 44	0 55	3 37	1 54	20 30	2 18	0 53	1 17	22 44	0 39	5 24	0 35	11 5	1 50	23 23	16 53	2 4	1 24	2 52		n.a.
T 16	17 32	13 43	3 25	18 17	1 1	4 7	1 53	20 26	2 20	0 49	1 17	22 44	0 39	5 23	0 35	11 6	1 50	23 23	16 53	2 2	1 23	2 50		n.a.
W17	17 49	16 25	4 16	18 49	1 7	4 36	1 53	20 21	2 22	0 45	1 17	22 44	0 39	5 22	0 35	11 6	1 50	23 23	16 54	1 59	1 22	2 48		n.a.
T 18	18 6	18 4	4 50	19 20	1 12	5 5	1 52	20 17	2 23	0 41	1 17	22 45	0 40	5 21	0 35	11 7	1 50	23 23	16 54	1 56	1 20	2 47		n.a.
F 19	18 22	18 38	5 7	19 51	1 17	5 35	1 51	20 14	2 25	0 37	1 17	22 45	0 40	5 21	0 35	11 8	1 50	23 23	16 55	1 53	1 19	2 45		n.a.
S 20	18 38	18 9	5 6	20 20	1 23	6 4	1 50	20 10	2 27	0 32	1 18	22 45	0 40	5 20	0 34	11 9	1 50	23 23	16 55	1 50	1 18	2 43		n.a.
S 21	18 54	16 45	4 50	20 49	1 27	6 33	1 50	20 6	2 29	0 28	1 18	22 46	0 40	5 19	0 34	11 9	1 50	23 23	16 56	1 48	1 16	2 41		n.a.
M22	19 9	14 35	4 20	21 16	1 32	7 2	1 49	20 2	2 31	0 24	1 18	22 46	0 40	5 19	0 34	11 10	1 50	23 23	16 56	1 46	1 15	2 39		n.a.
T 23	19 24	11 49	3 40	21 42	1 37	7 30	1 48	19 59	2 32	0 20	1 18	22 47	0 40	5 18	0 34	11 11	1 50	23 23	16 57	1 45	1 14	2 37		n.a.
W24	19 39	8 36	2 50	22 8	1 41	7 59	1 46	19 55	2 34	0 16	1 18	22 47	0 41	5 17	0 34	11 12	1 50	23 24	16 58	1 45	1 13	2 35		n.a.
T 25	19 53	5 4	1 53	22 32	1 45	8 28	1 45	19 52	2 36	0 13	1 18	22 48	0 41	5 17	0 34	11 12	1 50	23 24	16 58	1 45	1 11	2 34		n.a.
F 26	20 7	1 21	0 52	22 55	1 48	8 56	1 44	19 49	2 38	0 9	1 19	22 48	0 41	5 16	0 34	11 13	1 50	23 24	16 59	1 46	1 10	2 32		n.a.
S 27	20 21	2s26	0n11	23 17	1 52	9 24	1 43	19 46	2 40	0 5	1 19	22 48	0 41	5 16	0 34	11 14	1 50	23 24	16 59	1 46	1 9	2 30		n.a.
S 28	20 34	6 10	1 15	23 37	1 55	9 52	1 41	19 43	2 42	0 1	1 19	22 49	0 41	5 15	0 34	11 14	1 50	23 24	17 0	1 46	1 8	2 28		n.a.
M29	20 46	9 43	2 16	23 56	1 58	10 19	1 40	19 40	2 44	0s 3	1 19	22 49	0 41	5 14	0 34	11 15	1 50	23 25	17 0	1 44	1 6	2 26		n.a.
T 30	20s59	12s54	3n12	24s14	2s 0	10s47	1n38	19n37	2n46	0s 6	1n19	22n50	0n41	5n14	0s34	11s16	1n50	23n25	17n 1	1s42	1s 5	2n24		n.a.

Julian Day Number = 1539467.5, Delta T = 04h38m45s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'11, Lahiri = -10°50'10 Julian Calendar 1 Nov. 499 BCE == Greg. Calendar 27 Oct. 499 BCE

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ASTRODIENST EPHEMERIS for the year 499 BCE
geocentric

DECEMBER 499 BCE (-498) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 14 31	3♐45'17	25♏40	11♐42	3♏13	13♌47	3♎25	20°R34	14°R24	3♏57	10♍22	4°R 4	2♎38	21♍54	n.a.	W 1
T 2	4 18 27	4°46'34	8♐36	13°20	4°28	14° 1	3°34	20♋31	14♈22	3°59	10°22	3♎54	2°35	22° 0	n.a.	T 2
F 3	4 22 24	5°47'52	21°48	14°59	5°42	14°15	3°43	20°28	14°21	4° 1	10°23	3°42	2°32	22° 7	n.a.	F 3
S 4	4 26 20	6°49'09	5♑14	16°37	6°57	14°29	3°52	20°26	14°20	4° 3	10°23	3°31	2°29	22°14	n.a.	S 4
S 5	4 30 17	7°50'26	18°51	18°16	8°11	14°42	4° 1	20°23	14°18	4° 5	10°24	3°21	2°26	22°20	n.a.	S 5
M 6	4 34 13	8°51'42	2♒36	19°55	9°26	14°54	4°10	20°20	14°17	4° 7	10°24	3°13	2°22	22°27	n.a.	M 6
T 7	4 38 10	9°52'58	16°29	21°33	10°41	15° 6	4°19	20°17	14°16	4° 9	10°25	3° 8	2°19	22°34	n.a.	T 7
W 8	4 42 7	10°54'13	0♓27	23°12	11°55	15°18	4°28	20°14	14°15	4°11	10°25	3° 6	2°16	22°40	n.a.	W 8
T 9	4 46 3	11°55'27	14°30	24°50	13°10	15°28	4°36	20°11	14°14	4°13	10°26	3°D 6	2°13	22°47	n.a.	T 9
F 10	4 50 0	12°56'41	28°36	26°28	14°24	15°39	4°44	20° 7	14°13	4°15	10°26	3°R 6	2°10	22°54	n.a.	F 10
S 11	4 53 56	13°57'53	12♈46	28° 5	15°39	15°48	4°53	20° 4	14°12	4°17	10°26	3° 6	2° 6	23° 0	n.a.	S 11
S 12	4 57 53	14°59'05	26°57	29°41	16°53	15°57	5° 1	20° 0	14°11	4°19	10°27	3° 4	2° 3	23° 7	n.a.	S 12
M13	5 1 49	16° 0'16	11♉ 7	1♑17	18° 8	16° 6	5° 9	19°57	14°10	4°21	10°27	2°59	2° 0	23°13	n.a.	M13
T 14	5 5 46	17° 1'27	25°13	2°51	19°23	16°14	5°16	19°53	14°10	4°22	10°27	2°51	1°57	23°20	n.a.	T 14
W15	5 9 42	18° 2'36	9♊ 9	4°23	20°37	16°21	5°24	19°50	14° 9	4°24	10°27	2°41	1°54	23°27	n.a.	W15
T 16	5 13 39	19° 3'45	22°53	5°53	21°52	16°27	5°32	19°46	14° 8	4°26	10°27	2°28	1°51	23°33	n.a.	T 16
F 17	5 17 36	20° 4'53	6♋20	7°21	23° 7	16°33	5°39	19°42	14° 7	4°28	10°28	2°15	1°47	23°40	n.a.	F 17
S 18	5 21 32	21° 6'00	19°26	8°46	24°21	16°39	5°46	19°38	14° 7	4°29	10°28	2° 3	1°44	23°47	n.a.	S 18
S 19	5 25 29	22° 7'07	2♌13	10° 8	25°36	16°43	5°53	19°34	14° 6	4°31	10°R28	1°52	1°41	23°53	n.a.	S 19
M20	5 29 25	23° 8'13	14°40	11°25	26°51	16°47	6° 0	19°30	14° 6	4°33	10°28	1°44	1°38	24° 0	n.a.	M20
T 21	5 33 22	24° 9'18	26°51	12°37	28° 5	16°50	6° 7	19°26	14° 5	4°34	10°28	1°39	1°35	24° 7	n.a.	T 21
W22	5 37 18	25°10'23	8♍49	13°44	29°20	16°53	6°14	19°22	14° 5	4°36	10°28	1°36	1°32	24°13	n.a.	W22
T 23	5 41 15	26°11'27	20°39	14°45	0♐35	16°54	6°21	19°18	14° 5	4°37	10°27	1°35	1°28	24°20	n.a.	T 23
F 24	5 45 11	27°12'30	2♎26	15°38	1°49	16°55	6°27	19°13	14° 4	4°39	10°27	1°35	1°25	24°27	n.a.	F 24
S 25	5 49 8	28°13'32	14°17	16°23	3° 4	16°R56	6°33	19° 9	14° 4	4°41	10°27	1°35	1°22	24°33	n.a.	S 25
S 26	5 53 5	29°14'34	26°16	17° 0	4°19	16°55	6°39	19° 5	14° 4	4°42	10°27	1°33	1°19	24°40	n.a.	S 26
M27	5 57 1	0♑15'35	8♏29	17°26	5°33	16°54	6°45	19° 0	14° 4	4°44	10°27	1°29	1°16	24°47	n.a.	M27
T 28	6 0 58	1°16'35	21° 0	17°43	6°48	16°52	6°51	18°56	14° 4	4°45	10°26	1°22	1°12	24°53	n.a.	T 28
W29	6 4 54	2°17'34	3♐51	17°R48	8° 3	16°49	6°57	18°51	14°D 4	4°46	10°26	1°12	1° 9	25° 0	n.a.	W29
T 30	6 8 51	3°18'31	17° 4	17°42	9°17	16°46	7° 2	18°47	14° 4	4°48	10°26	1° 0	1° 6	25° 6	n.a.	T 30
F 31	6 12 47	4♑19'28	0♑37	17♑26	10♐32	16♌41	7♎ 8	18♋42	14♈ 4	4♏49	10♍25	0♎47	1♎ 3	25♍13	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s11	15s34	3n59	24s30	2s 2	11s14	1n37	19n35	2n48	0s10	1n19	22n51	0n42	5n13	0s34	11s16	1n50	23n25	17n 2	1s38	1s 4	2n22		n.a.
T 2	21 22	17 30	4 35	24 45	2 4	11 41	1 35	19 32	2 50	0 13	1 20	22 51	0 42	5 13	0 34	11 17	1 51	23 25	17 2	1 34	1 2	2 21		n.a.
F 3	21 33	18 33	4 57	24 58	2 5	12 8	1 33	19 30	2 52	0 17	1 20	22 52	0 42	5 12	0 34	11 18	1 51	23 26	17 3	1 29	1 1	2 19		n.a.
S 4	21 44	18 36	5 3	25 10	2 6	12 34	1 32	19 28	2 54	0 20	1 20	22 52	0 42	5 12	0 34	11 18	1 51	23 26	17 3	1 25	1 0	2 17		n.a.
S 5	21 54	17 35	4 53	25 20	2 6	13 0	1 30	19 26	2 56	0 24	1 20	22 53	0 42	5 11	0 34	11 19	1 51	23 26	17 4	1 21	0 59	2 15		n.a.
M 6	22 4	15 32	4 25	25 28	2 6	13 26	1 28	19 24	2 58	0 27	1 20	22 53	0 42	5 11	0 34	11 20	1 51	23 27	17 5	1 18	0 57	2 13		n.a.
T 7	22 13	12 35	3 42	25 34	2 6	13 52	1 26	19 22	3 0	0 31	1 20	22 54	0 43	5 11	0 34	11 20	1 51	23 27	17 5	1 16	0 56	2 11		n.a.
W 8	22 22	8 54	2 45	25 39	2 5	14 17	1 24	19 21	3 2	0 34	1 21	22 55	0 43	5 10	0 34	11 21	1 51	23 27	17 6	1 15	0 55	2 9		n.a.
T 9	22 31	4 41	1 37	25 42	2 3	14 42	1 22	19 20	3 4	0 37	1 21	22 55	0 43	5 10	0 34	11 21	1 51	23 28	17 6	1 15	0 53	2 8		n.a.
F 10	22 39	0 12	0 24	25 43	2 1	15 6	1 20	19 19	3 6	0 40	1 21	22 56	0 43	5 9	0 34	11 22	1 51	23 28	17 7	1 15	0 52	2 6		n.a.
S 11	22 47	4n19	0s51	25 42	1 58	15 30	1 18	19 18	3 8	0 43	1 21	22 57	0 43	5 9	0 34	11 23	1 51	23 29	17 7	1 15	0 51	2 4		n.a.
S 12	22 54	8 36	2 3	25 39	1 54	15 54	1 16	19 17	3 10	0 46	1 21	22 57	0 43	5 9	0 34	11 23	1 51	23 29	17 8	1 14	0 50	2 2		n.a.
M13	23 0	12 24	3 7	25 35	1 50	16 17	1 13	19 16	3 12	0 49	1 22	22 58	0 44	5 9	0 34	11 24	1 51	23 29	17 9	1 12	0 48	2 0		n.a.
T 14	23 7	15 27	3 59	25 28	1 45	16 40	1 11	19 16	3 15	0 52	1 22	22 59	0 44	5 8	0 34	11 24	1 51	23 30	17 9	1 9	0 47	1 58		n.a.
W15	23 12	17 33	4 36	25 19	1 39	17 2	1 9	19 16	3 17	0 55	1 22	22 59	0 44	5 8	0 34	11 25	1 51	23 30	17 10	1 5	0 46	1 56		n.a.
T 16	23 18	18 37	4 57	25 9	1 32	17 24	1 7	19 16	3 19	0 58	1 22	23 0	0 44	5 8	0 34	11 25	1 51	23 31	17 10	1 0	0 45	1 55		n.a.
F 17	23 23	18 36	5 0	24 57	1 24	17 45	1 4	19 16	3 21	1 1	1 22	23 1	0 44	5 8	0 34	11 26	1 51	23 31	17 11	0 55	0 43	1 53		n.a.
S 18	23 27	17 35	4 48	24 43	1 15	18 6	1 2	19 17	3 23	1 4	1 23	23 1	0 44	5 7	0 34	11 27	1 51	23 32	17 12	0 50	0 42	1 51		n.a.
S 19	23 31	15 42	4 21	24 27	1 6	18 27	0 59	19 18	3 26	1 6	1 23	23 2	0 44	5 7	0 34	11 27	1 51	23 32	17 12	0 45	0 41	1 49		n.a.
M20	23 34	13 7	3 42	24 10	0 55	18 47	0 57	19 18	3 28	1 9	1 23	23 3	0 45	5 7	0 34	11 28	1 51	23 33	17 13	0 42	0 39	1 47		n.a.
T 21	23 37	10 1	2 53	23 52	0 44	19 7	0 54	19 20	3 30	1 11	1 23	23 4	0 45	5 7	0 34	11 28	1 51	23 34	17 13	0 40	0 38	1 45		n.a.
W22	23 40	6 33	1 58	23 33	0 31	19 26	0 52	19 21	3 32	1 14	1 24	23 4	0 45	5 7	0 33	11 29	1 51	23 34	17 14	0 39	0 37	1 43		n.a.
T 23	23 42	2 52	0 58	23 13	0 17	19 44	0 49	19 23	3 35	1 16	1 24	23 5	0 45	5 7	0 33	11 29	1 51	23 35	17 15	0 38	0 36	1 42		n.a.
F 24	23 43	0s55	0n 4	22 52	0 3	20 2	0 47	19 24	3 37	1 19	1 24	23 6	0 45	5 7	0 33	11 30	1 51	23 35	17 15	0 38	0 34	1 40		n.a.
S 25	23 44	4 41	1 7	22 31	0n13	20 19	0 44	19 27	3 39	1 21	1 24	23 7	0 45	5 6	0 33	11 30	1 51	23 36	17 16	0 38	0 33	1 38		n.a.
S 26	23 45	8 18	2 7	22 10	0 29	20 36	0 42	19 29	3 42	1 23	1 24	23 7	0 45	5 6	0 33	11 31	1 51	23 36	17 16	0 37	0 32	1 36		n.a.
M27	23 45	11 39	3 2	21 50	0 46	20 52	0 39	19 31	3 44	1 25	1 25	23 8	0 46	5 6	0 33	11 31	1 51	23 37	17 17	0 36	0 30	1 34		n.a.
T 28	23 45	14 33	3 50	21 30	1 4	21 8	0 37	19 34	3 46	1 27	1 25	23 9	0 46	5 6	0 33	11 31	1 52	23 38	17 17	0 33	0 29	1 32		n.a.
W29	23 44	16 49	4 27	21 12	1 22	21 23	0 34	19 37	3 48	1 30	1 25	23 10	0 46	5 6	0 33	11 32	1 52	23 38	17 18	0 29	0 28	1 30		n.a.
T 30	23 43	18 17	4 52	20 54	1 41	21 37	0 31	19 40	3 51	1 32	1 25	23 11	0 46	5 7	0 33	11 32	1 52	23 39	17 19	0 24	0 27	1 29		n.a.
F 31	23s41	18s45	5n 0	20s38	1n59	21s51	0n29	19n44	3n53	1s33	1n26	23n11	0n46	5n 7	0s33	11s33	1n52	23n40	17n19	0s19	0s25	1n27		n.a.

Julian Day Number = 1539497.5, Delta T = 04h38m44s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'06, Lahiri = -10°50'06 Julian Calendar 1 Dec. 499 BCE == Greg. Calendar 26 Nov. 499 BCE

The year -498 astronomical counting style corresponds to year 499 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

JANUARY 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 16 44	5♑20'24	14♑28	16°R58	11♐47	16°R36	7♎13	18°R37	14♈ 4	4♏51	10°R25	0°R34	1♎ 0	25♍20	n.a.	S 1
S 2	6 20 41	6°21'18	28°33	16♑19	13° 2	16♘30	7°18	18♋33	14° 4	4°52	10♍24	0♎22	0°57	25°26	n.a.	S 2
M 3	6 24 37	7°22'11	12♒45	15°32	14°16	16°23	7°22	18°28	14° 5	4°53	10°24	0°13	0°53	25°33	n.a.	M 3
T 4	6 28 34	8°23'02	27° 1	14°35	15°31	16°16	7°27	18°23	14° 5	4°54	10°23	0° 7	0°50	25°40	n.a.	T 4
W 5	6 32 30	9°23'51	11♓17	13°33	16°46	16° 7	7°32	18°19	14° 5	4°56	10°23	0° 4	0°47	25°46	n.a.	W 5
T 6	6 36 27	10°24'39	25°28	12°25	18° 0	15°58	7°36	18°14	14° 6	4°57	10°22	0°D 3	0°44	25°53	n.a.	T 6
F 7	6 40 23	11°25'25	9♈35	11°14	19°15	15°48	7°40	18° 9	14° 6	4°58	10°22	0°R 3	0°41	26° 0	n.a.	F 7
S 8	6 44 20	12°26'09	23°35	10° 3	20°30	15°38	7°44	18° 4	14° 7	4°59	10°21	0° 3	0°37	26° 6	n.a.	S 8
S 9	6 48 16	13°26'51	7♉29	8°53	21°44	15°26	7°48	17°59	14° 7	5° 0	10°20	0° 1	0°34	26°13	n.a.	S 9
M10	6 52 13	14°27'32	21°16	7°45	22°59	15°14	7°51	17°54	14° 8	5° 1	10°20	29♍56	0°31	26°20	n.a.	M10
T 11	6 56 10	15°28'10	4♊55	6°42	24°13	15° 1	7°55	17°50	14° 9	5° 2	10°19	29°49	0°28	26°26	n.a.	T 11
W12	7 0 6	16°28'47	18°25	5°44	25°28	14°48	7°58	17°45	14° 9	5° 3	10°18	29°39	0°25	26°33	n.a.	W12
T 13	7 4 3	17°29'23	1♋44	4°52	26°43	14°33	8° 1	17°40	14°10	5° 4	10°17	29°27	0°22	26°39	n.a.	T 13
F 14	7 7 59	18°29'56	14°49	4° 8	27°57	14°18	8° 4	17°35	14°11	5° 5	10°16	29°14	0°18	26°46	n.a.	F 14
S 15	7 11 56	19°30'28	27°40	3°32	29°12	14° 2	8° 7	17°30	14°12	5° 6	10°16	29° 2	0°15	26°53	n.a.	S 15
S 16	7 15 52	20°30'58	10♌15	3° 3	0♑26	13°46	8°10	17°25	14°13	5° 7	10°15	28°51	0°12	26°59	n.a.	S 16
M17	7 19 49	21°31'27	22°35	2°42	1°41	13°28	8°12	17°21	14°14	5° 8	10°14	28°43	0° 9	27° 6	n.a.	M17
T 18	7 23 45	22°31'53	4♍42	2°28	2°56	13°11	8°14	17°16	14°15	5° 9	10°13	28°38	0° 6	27°13	n.a.	T 18
W19	7 27 42	23°32'19	16°39	2°D22	4°10	12°52	8°16	17°11	14°16	5°10	10°12	28°35	0° 3	27°19	n.a.	W19
T 20	7 31 39	24°32'42	28°28	2°23	5°25	12°33	8°18	17° 6	14°17	5°10	10°11	28°D34	29♍59	27°26	n.a.	T 20
F 21	7 35 35	25°33'04	10♎15	2°30	6°39	12°13	8°20	17° 1	14°18	5°11	10°10	28°34	29°56	27°33	n.a.	F 21
S 22	7 39 32	26°33'25	22° 5	2°44	7°54	11°53	8°21	16°57	14°19	5°12	10° 9	28°R35	29°53	27°39	n.a.	S 22
S 23	7 43 28	27°33'44	4♏ 4	3° 3	9° 9	11°33	8°22	16°52	14°21	5°13	10° 8	28°35	29°50	27°46	n.a.	S 23
M24	7 47 25	28°34'01	16°17	3°28	10°23	11°11	8°23	16°47	14°22	5°13	10° 6	28°33	29°47	27°53	n.a.	M24
T 25	7 51 21	29°34'17	28°48	3°58	11°38	10°50	8°24	16°42	14°23	5°14	10° 5	28°29	29°43	27°59	n.a.	T 25
W26	7 55 18	0♒34'31	11♐42	4°33	12°52	10°28	8°25	16°38	14°25	5°14	10° 4	28°23	29°40	28° 6	n.a.	W26
T 27	7 59 14	1°34'44	25° 2	5°12	14° 7	10° 5	8°25	16°33	14°26	5°15	10° 3	28°15	29°37	28°13	n.a.	T 27
F 28	8 3 11	2°34'54	8♑46	5°55	15°21	9°43	8°26	16°29	14°28	5°15	10° 2	28° 5	29°34	28°19	n.a.	F 28
S 29	8 7 8	3°35'03	22°54	6°41	16°36	9°20	8°R26	16°24	14°29	5°16	10° 0	27°56	29°31	28°26	n.a.	S 29
S 30	8 11 4	4°35'10	7♒20	7°32	17°50	8°57	8°26	16°20	14°31	5°16	9°59	27°48	29°28	28°32	n.a.	S 30
M31	8 15 1	5♒35'15	21♒58	8♑25	19♑ 5	8♘33	8♎26	16♋15	14♈33	5♏17	9♍58	27♍41	29♍24	28♍39	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s39	18s 7	4n52	20s24	2n16	22s 4	0n26	19n48	3n55	1s35	1n26	23n12	0n46	5n 7	0s33	11s33	1n52	23n40	17n20	0s14	0s24	1n25		n.a.
S 2	23 36	16 23	4 25	20 12	2 33	22 16	0 23	19 51	3 57	1 37	1 26	23 13	0 46	5 7	0 33	11 34	1 52	23 41	17 20	0 9	0 23	1 23		n.a.
M 3	23 33	13 39	3 42	20 2	2 49	22 28	0 21	19 56	3 59	1 39	1 26	23 14	0 46	5 7	0 33	11 34	1 52	23 42	17 21	0 5	0 22	1 21		n.a.
T 4	23 29	10 5	2 45	19 54	3 4	22 39	0 18	20 0	4 1	1 40	1 26	23 14	0 47	5 7	0 33	11 34	1 52	23 42	17 21	0 3	0 20	1 19		n.a.
W 5	23 25	5 56	1 38	19 48	3 16	22 50	0 15	20 5	4 4	1 42	1 27	23 15	0 47	5 7	0 33	11 35	1 52	23 43	17 22	0 2	0 19	1 17		n.a.
T 6	23 20	1 27	0 24	19 44	3 27	23 0	0 13	20 9	4 6	1 43	1 27	23 16	0 47	5 7	0 33	11 35	1 52	23 44	17 22	0 1	0 18	1 15		n.a.
F 7	23 15	3n 4	0s50	19 42	3 35	23 9	0 10	20 14	4 8	1 45	1 27	23 17	0 47	5 8	0 33	11 35	1 52	23 45	17 23	0 1	0 16	1 14		n.a.
S 8	23 10	7 24	2 1	19 41	3 41	23 17	0 7	20 20	4 10	1 46	1 27	23 17	0 47	5 8	0 33	11 36	1 52	23 45	17 23	0 1	0 15	1 12		n.a.
S 9	23 4	11 17	3 5	19 43	3 45	23 25	0 5	20 25	4 12	1 48	1 28	23 18	0 47	5 8	0 33	11 36	1 52	23 46	17 24	0 0	0 14	1 10		n.a.
M10	22 57	14 31	3 56	19 46	3 46	23 32	0 2	20 31	4 14	1 49	1 28	23 19	0 47	5 8	0 33	11 36	1 52	23 47	17 25	0n 2	0 13	1 8		n.a.
T 11	22 51	16 54	4 34	19 50	3 45	23 38	0s 1	20 36	4 16	1 50	1 28	23 20	0 47	5 9	0 33	11 37	1 52	23 48	17 25	0 5	0 11	1 6		n.a.
W12	22 43	18 20	4 56	19 56	3 42	23 44	0 3	20 42	4 17	1 51	1 28	23 21	0 47	5 9	0 33	11 37	1 52	23 48	17 26	0 9	0 10	1 4		n.a.
T 13	22 36	18 43	5 1	20 2	3 37	23 48	0 6	20 48	4 19	1 52	1 29	23 21	0 48	5 9	0 33	11 37	1 52	23 49	17 26	0 13	0 9	1 2		n.a.
F 14	22 27	18 6	4 51	20 10	3 31	23 53	0 8	20 54	4 21	1 53	1 29	23 22	0 48	5 10	0 33	11 37	1 52	23 50	17 27	0 19	0 7	1 1		n.a.
S 15	22 19	16 34	4 25	20 19	3 23	23 56	0 11	21 1	4 23	1 54	1 29	23 23	0 48	5 10	0 33	11 38	1 52	23 51	17 27	0 23	0 6	0 59		n.a.
S 16	22 10	14 15	3 47	20 29	3 14	23 59	0 13	21 7	4 24	1 55	1 29	23 23	0 48	5 11	0 33	11 38	1 53	23 51	17 27	0 28	0 5	0 57		n.a.
M17	22 0	11 20	2 59	20 39	3 4	24 0	0 16	21 14	4 26	1 55	1 30	23 24	0 48	5 11	0 33	11 38	1 53	23 52	17 28	0 31	0 4	0 55		n.a.
T 18	21 51	8 0	2 4	20 50	2 54	24 2	0 18	21 21	4 27	1 56	1 30	23 25	0 48	5 11	0 33	11 38	1 53	23 53	17 28	0 33	0 2	0 53		n.a.
W19	21 40	4 22	1 3	21 1	2 42	24 2	0 21	21 27	4 29	1 57	1 30	23 26	0 48	5 12	0 32	11 39	1 53	23 54	17 29	0 34	0 1	0 51		n.a.
T 20	21 30	0 37	0 1	21 13	2 31	24 2	0 23	21 34	4 30	1 57	1 30	23 26	0 48	5 12	0 32	11 39	1 53	23 55	17 29	0 35	0n 0	0 49		n.a.
F 21	21 19	3s10	1n 2	21 25	2 19	24 1	0 26	21 41	4 31	1 57	1 31	23 27	0 48	5 13	0 32	11 39	1 53	23 56	17 30	0 34	0 2	0 48		n.a.
S 22	21 7	6 49	2 3	21 36	2 7	23 59	0 28	21 48	4 32	1 58	1 31	23 28	0 48	5 13	0 32	11 39	1 53	23 56	17 30	0 34	0 3	0 46		n.a.
S 23	20 55	10 15	2 58	21 48	1 55	23 56	0 30	21 55	4 33	1 58	1 31	23 28	0 49	5 14	0 32	11 39	1 53	23 57	17 31	0 34	0 4	0 44		n.a.
M24	20 43	13 18	3 47	22 0	1 43	23 53	0 33	22 2	4 34	1 58	1 31	23 29	0 49	5 14	0 32	11 40	1 53	23 58	17 31	0 35	0 5	0 42		n.a.
T 25	20 30	15 50	4 26	22 11	1 31	23 49	0 35	22 9	4 35	1 58	1 32	23 30	0 49	5 15	0 32	11 40	1 53	23 59	17 32	0 37	0 7	0 40		n.a.
W26	20 17	17 39	4 53	22 22	1 19	23 44	0 37	22 16	4 36	1 58	1 32	23 31	0 49	5 16	0 32	11 40	1 53	24 0	17 32	0 39	0 8	0 38		n.a.
T 27	20 4	18 34	5 5	22 32	1 7	23 39	0 40	22 23	4 37	1 58	1 32	23 31	0 49	5 16	0 32	11 40	1 53	24 1	17 32	0 42	0 9	0 36		n.a.
F 28	19 50	18 28	5 1	22 42	0 56	23 33	0 42	22 30	4 37	1 58	1 32	23 32	0 49	5 17	0 32	11 40	1 53	24 1	17 33	0 46	0 10	0 34		n.a.
S 29	19 36	17 13	4 38	22 51	0 44	23 26	0 44	22 36	4 38	1 58	1 33	23 32	0 49	5 17	0 32	11 40	1 53	24 2	17 33	0 50	0 12	0 33		n.a.
S 30	19 22	14 52	3 57	22 59	0 33	23 18	0 46	22 43	4 38	1 58	1 33	23 33	0 49	5 18	0 32	11 40	1 53	24 3	17 33	0 53	0 13	0 31		n.a.
M31	19s 7	11s32	3n 0	23s 6	0n22	23s10	0s48	22n50	4n38	1s58	1n33	23n34	0n49	5n19	0s32	11s40	1n53	24n 4	17n34	0n56	0n14	0n29		n.a.

Julian Day Number = 1539528.5, Delta T = 04h38m43s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°57'02, Lahiri = -10°50'02 Julian Calendar 1 Jan. 498 BCE == Greg. Calendar 27 Dec. 499 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

FEBRUARY 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 18 57	6♒35'18	6♓41	9♉21	20♉19	8°R10	8°R25	16°R11	14♈34	5♏17	9°R57	27°R37	29♍21	28♍46	n.a.	T 1
W 2	8 22 54	7°35'18	21°22	10°21	21°34	7♌46	8♎25	16♋ 6	14°36	5°17	9♍55	27°D35	29°18	28°52	n.a.	W 2
T 3	8 26 50	8°35'16	5♈54	11°22	22°48	7°22	8°24	16° 2	14°38	5°18	9°54	27♍35	29°15	28°59	n.a.	T 3
F 4	8 30 47	9°35'12	20°14	12°27	24° 3	6°59	8°23	15°58	14°40	5°18	9°53	27°36	29°12	29° 6	n.a.	F 4
S 5	8 34 43	10°35'06	4♉20	13°33	25°17	6°35	8°22	15°54	14°42	5°18	9°51	27°R37	29° 9	29°12	n.a.	S 5
S 6	8 38 40	11°34'57	18°12	14°42	26°32	6°12	8°20	15°49	14°43	5°18	9°50	27°37	29° 5	29°19	n.a.	S 6
M 7	8 42 36	12°34'46	1♊48	15°53	27°46	5°48	8°19	15°45	14°45	5°19	9°48	27°35	29° 2	29°26	n.a.	M 7
T 8	8 46 33	13°34'32	15°10	17° 6	29° 1	5°25	8°17	15°41	14°47	5°19	9°47	27°32	28°59	29°32	n.a.	T 8
W 9	8 50 30	14°34'17	28°19	18°21	0♒15	5° 2	8°15	15°37	14°49	5°19	9°45	27°26	28°56	29°39	n.a.	W 9
T 10	8 54 26	15°33'59	11♋15	19°37	1°29	4°39	8°13	15°34	14°52	5°19	9°44	27°19	28°53	29°46	n.a.	T 10
F 11	8 58 23	16°33'38	23°58	20°55	2°44	4°17	8°10	15°30	14°54	5°R19	9°43	27°12	28°49	29°52	n.a.	F 11
S 12	9 2 19	17°33'15	6♌29	22°15	3°58	3°55	8° 8	15°26	14°56	5°19	9°41	27° 4	28°46	29°59	n.a.	S 12
S 13	9 6 16	18°32'50	18°49	23°37	5°12	3°33	8° 5	15°22	14°58	5°19	9°39	26°58	28°43	0♎ 6	n.a.	S 13
M14	9 10 12	19°32'23	0♍58	25° 0	6°27	3°12	8° 3	15°19	15° 0	5°19	9°38	26°53	28°40	0°12	n.a.	M14
T 15	9 14 9	20°31'54	12°57	26°24	7°41	2°51	7°59	15°15	15° 3	5°19	9°36	26°51	28°37	0°19	n.a.	T 15
W16	9 18 5	21°31'23	24°50	27°51	8°56	2°31	7°56	15°12	15° 5	5°18	9°35	26°D49	28°34	0°25	n.a.	W16
T 17	9 22 2	22°30'50	6♎38	29°18	10°10	2°11	7°53	15° 8	15° 7	5°18	9°33	26°50	28°30	0°32	n.a.	T 17
F 18	9 25 59	23°30'14	18°25	0♒47	11°24	1°52	7°49	15° 5	15°10	5°18	9°32	26°51	28°27	0°39	n.a.	F 18
S 19	9 29 55	24°29'37	0♏16	2°18	12°38	1°33	7°46	15° 2	15°12	5°18	9°30	26°53	28°24	0°45	n.a.	S 19
S 20	9 33 52	25°28'58	12°14	3°49	13°53	1°15	7°42	14°59	15°15	5°18	9°28	26°55	28°21	0°52	n.a.	S 20
M21	9 37 48	26°28'17	24°25	5°23	15° 7	0°57	7°38	14°56	15°17	5°17	9°27	26°R55	28°18	0°59	n.a.	M21
T 22	9 41 45	27°27'35	6♐54	6°57	16°21	0°41	7°34	14°53	15°20	5°17	9°25	26°55	28°15	1° 5	n.a.	T 22
W23	9 45 41	28°26'50	19°45	8°33	17°36	0°25	7°29	14°50	15°22	5°17	9°24	26°53	28°11	1°12	n.a.	W23
T 24	9 49 38	29°26'03	3♑ 2	10°11	18°50	0° 9	7°25	14°47	15°25	5°16	9°22	26°51	28° 8	1°19	n.a.	T 24
F 25	9 53 34	0♓25'15	16°45	11°49	20° 4	29♋54	7°20	14°45	15°28	5°16	9°20	26°47	28° 5	1°25	n.a.	F 25
S 26	9 57 31	1°24'25	0♒56	13°29	21°18	29°40	7°15	14°42	15°30	5°15	9°19	26°43	28° 2	1°32	n.a.	S 26
S 27	10 1 27	2°23'32	15°30	15°11	22°33	29°27	7°10	14°40	15°33	5°15	9°17	26°40	27°59	1°39	n.a.	S 27
M28	10 5 24	3♓22'38	0♓22	16♒54	23♒47	29♋15	7♎ 5	14♋37	15♈36	5♏14	9♍15	26♍37	27♍55	1♎45	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s52	7s28	1n50	23s13	0n12	23s 1	0s50	22n56	4n38	1s57	1n33	23n34	0n49	5n19	0s32	11s40	1n53	24n 5	17n34	0n58	0n16	0n27		n.a.
W 2	18 37	2 57	0 34	23 19	0 2	22 51	0 52	23 2	4 38	1 57	1 34	23 35	0 49	5 20	0 32	11 40	1 54	24 6	17 35	0 58	0 17	0 25		n.a.
T 3	18 21	1n41	0s45	23 24	0s 8	22 41	0 54	23 9	4 38	1 56	1 34	23 36	0 49	5 21	0 32	11 41	1 54	24 6	17 35	0 58	0 18	0 23		n.a.
F 4	18 5	6 10	1 59	23 27	0 18	22 30	0 56	23 15	4 38	1 56	1 34	23 36	0 49	5 22	0 32	11 41	1 54	24 7	17 35	0 58	0 19	0 21		n.a.
S 5	17 49	10 14	3 5	23 30	0 27	22 18	0 58	23 20	4 38	1 55	1 34	23 37	0 49	5 22	0 32	11 41	1 54	24 8	17 36	0 58	0 21	0 20		n.a.
S 6	17 32	13 38	3 59	23 31	0 36	22 6	0 59	23 26	4 37	1 54	1 35	23 37	0 50	5 23	0 32	11 41	1 54	24 9	17 36	0 58	0 22	0 18		n.a.
M 7	17 15	16 14	4 39	23 32	0 44	21 53	1 1	23 32	4 37	1 53	1 35	23 38	0 50	5 24	0 32	11 41	1 54	24 10	17 36	0 58	0 23	0 16		n.a.
T 8	16 58	17 55	5 2	23 31	0 53	21 39	1 3	23 37	4 36	1 52	1 35	23 38	0 50	5 25	0 32	11 41	1 54	24 11	17 37	1 0	0 25	0 14		n.a.
W 9	16 40	18 35	5 9	23 29	1 0	21 25	1 4	23 42	4 35	1 51	1 35	23 39	0 50	5 26	0 32	11 41	1 54	24 11	17 37	1 2	0 26	0 12		n.a.
T 10	16 23	18 17	5 0	23 25	1 8	21 10	1 6	23 47	4 34	1 50	1 36	23 39	0 50	5 27	0 32	11 40	1 54	24 12	17 37	1 5	0 27	0 10		n.a.
F 11	16 5	17 3	4 37	23 20	1 15	20 54	1 7	23 51	4 33	1 49	1 36	23 40	0 50	5 27	0 32	11 40	1 54	24 13	17 37	1 8	0 28	0 8		n.a.
S 12	15 46	15 2	4 0	23 14	1 22	20 38	1 9	23 56	4 32	1 48	1 36	23 40	0 50	5 28	0 32	11 40	1 54	24 14	17 38	1 11	0 30	0 6		n.a.
S 13	15 28	12 20	3 12	23 6	1 28	20 21	1 10	24 0	4 31	1 47	1 36	23 41	0 50	5 29	0 32	11 40	1 54	24 15	17 38	1 13	0 31	0 5		n.a.
M14	15 9	9 9	2 16	22 57	1 34	20 4	1 12	24 4	4 30	1 45	1 36	23 41	0 50	5 30	0 32	11 40	1 54	24 16	17 38	1 15	0 32	0 3		n.a.
T 15	14 50	5 38	1 15	22 46	1 40	19 46	1 13	24 8	4 28	1 44	1 37	23 42	0 50	5 31	0 32	11 40	1 54	24 16	17 38	1 16	0 34	0 1		n.a.
W16	14 31	1 55	0 11	22 34	1 45	19 27	1 14	24 11	4 27	1 43	1 37	23 42	0 50	5 32	0 32	11 40	1 54	24 17	17 39	1 17	0 35	0s 1		n.a.
T 17	14 11	1s51	0n53	22 21	1 49	19 8	1 15	24 14	4 25	1 41	1 37	23 43	0 50	5 33	0 32	11 40	1 54	24 18	17 39	1 17	0 36	0 3		n.a.
F 18	13 52	5 32	1 56	22 6	1 54	18 49	1 16	24 17	4 24	1 39	1 37	23 43	0 50	5 34	0 32	11 40	1 54	24 19	17 39	1 16	0 37	0 5		n.a.
S 19	13 32	9 1	2 53	21 49	1 58	18 28	1 18	24 20	4 22	1 38	1 37	23 43	0 50	5 35	0 32	11 40	1 55	24 20	17 39	1 15	0 39	0 7		n.a.
S 20	13 12	12 10	3 44	21 31	2 1	18 8	1 19	24 22	4 20	1 36	1 38	23 44	0 50	5 36	0 31	11 40	1 55	24 20	17 39	1 15	0 40	0 8		n.a.
M21	12 51	14 50	4 25	21 11	2 4	17 47	1 19	24 24	4 19	1 34	1 38	23 44	0 50	5 37	0 31	11 39	1 55	24 21	17 39	1 14	0 41	0 10		n.a.
T 22	12 31	16 54	4 55	20 49	2 7	17 25	1 20	24 26	4 17	1 32	1 38	23 45	0 50	5 38	0 31	11 39	1 55	24 22	17 40	1 14	0 42	0 12		n.a.
W23	12 10	18 10	5 12	20 26	2 9	17 3	1 21	24 28	4 15	1 30	1 38	23 45	0 50	5 39	0 31	11 39	1 55	24 23	17 40	1 15	0 44	0 14		n.a.
T 24	11 49	18 31	5 12	20 1	2 11	16 40	1 22	24 29	4 13	1 29	1 38	23 45	0 50	5 40	0 31	11 39	1 55	24 24	17 40	1 16	0 45	0 16		n.a.
F 25	11 28	17 48	4 56	19 35	2 12	16 17	1 23	24 31	4 11	1 26	1 39	23 46	0 50	5 41	0 31	11 39	1 55	24 24	17 40	1 18	0 46	0 18		n.a.
S 26	11 7	15 59	4 20	19 7	2 13	15 54	1 23	24 32	4 8	1 24	1 39	23 46	0 50	5 42	0 31	11 38	1 55	24 25	17 40	1 19	0 48	0 20		n.a.
S 27	10 45	13 6	3 28	18 37	2 14	15 30	1 24	24 32	4 6	1 22	1 39	23 46	0 50	5 43	0 31	11 38	1 55	24 26	17 40	1 21	0 49	0 22		n.a.
M28	10s24	9s19	2n20	18s 5	2s13	15s 5	1s24	24n33	4n 4	1s20	1n39	23n46	0n50	5n44	0s31	11s38	1n55	24n27	17n40	1n22	0n50	0s23		n.a.

Julian Day Number = 1539559.5, Delta T = 04h38m41s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'58, Lahiri = -10°49'58 Julian Calendar 1 Feb. 498 BCE == Greg. Calendar 27 Jan. 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

MARCH 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 9 21	4♓21'41	15♓23	18♒38	25♒ 1	29°R 3	7°R 0	14°R35	15♈38	5°R14	9°R14	26°R36	27♍52	1♎52	n.a.	T 1
W 2	10 13 17	5°20'42	0♈26	20°24	26°15	28♋52	6♎54	14♋33	15°41	5♏13	9♍12	26°D35	27°49	1°58	n.a.	W 2
T 3	10 17 14	6°19'41	15°21	22°11	27°30	28°42	6°49	14°31	15°44	5°13	9°10	26♍36	27°46	2° 5	n.a.	T 3
F 4	10 21 10	7°18'37	0♉ 2	24° 0	28°44	28°33	6°43	14°29	15°47	5°12	9° 9	26°37	27°43	2°12	n.a.	F 4
S 5	10 25 7	8°17'31	14°24	25°50	29°58	28°24	6°37	14°27	15°50	5°11	9° 7	26°39	27°40	2°18	n.a.	S 5
S 6	10 29 3	9°16'23	28°24	27°41	1♓12	28°16	6°31	14°25	15°53	5°11	9° 5	26°40	27°36	2°25	n.a.	S 6
M 7	10 33 0	10°15'12	12♊ 2	29°34	2°26	28° 9	6°25	14°23	15°56	5°10	9° 4	26°R40	27°33	2°32	n.a.	M 7
T 8	10 36 56	11°13'59	25°20	1♓28	3°40	28° 3	6°19	14°22	15°59	5° 9	9° 2	26°39	27°30	2°38	n.a.	T 8
W 9	10 40 53	12°12'44	8♋18	3°24	4°55	27°58	6°13	14°20	16° 2	5° 8	9° 0	26°38	27°27	2°45	n.a.	W 9
T 10	10 44 50	13°11'26	20°59	5°21	6° 9	27°53	6° 6	14°19	16° 5	5° 7	8°59	26°37	27°24	2°52	n.a.	T 10
F 11	10 48 46	14°10'06	3♌26	7°20	7°23	27°49	6° 0	14°17	16° 8	5° 7	8°57	26°35	27°20	2°58	n.a.	F 11
S 12	10 52 43	15° 8'44	15°41	9°20	8°37	27°46	5°53	14°16	16°11	5° 6	8°55	26°33	27°17	3° 5	n.a.	S 12
S 13	10 56 39	16° 7'19	27°46	11°21	9°51	27°44	5°46	14°15	16°14	5° 5	8°54	26°32	27°14	3°12	n.a.	S 13
M14	11 0 36	17° 5'52	9♍44	13°24	11° 5	27°43	5°39	14°14	16°17	5° 4	8°52	26°31	27°11	3°18	n.a.	M14
T 15	11 4 32	18° 4'24	21°36	15°28	12°19	27°D42	5°32	14°13	16°20	5° 3	8°50	26°D30	27° 8	3°25	n.a.	T 15
W16	11 8 29	19° 2'53	3♎25	17°33	13°33	27°42	5°25	14°13	16°23	5° 2	8°49	26°30	27° 5	3°31	n.a.	W16
T 17	11 12 25	20° 1'20	15°13	19°38	14°47	27°43	5°18	14°12	16°27	5° 1	8°47	26°31	27° 1	3°38	n.a.	T 17
F 18	11 16 22	20°59'45	27° 2	21°45	16° 1	27°44	5°11	14°11	16°30	5° 0	8°45	26°31	26°58	3°45	n.a.	F 18
S 19	11 20 18	21°58'09	8♏55	23°52	17°15	27°47	5° 4	14°11	16°33	4°59	8°44	26°32	26°55	3°51	n.a.	S 19
S 20	11 24 15	22°56'31	20°57	26° 0	18°29	27°49	4°57	14°11	16°36	4°58	8°42	26°32	26°52	3°58	n.a.	S 20
M21	11 28 12	23°54'51	3♐10	28° 8	19°43	27°53	4°49	14°10	16°39	4°57	8°41	26°32	26°49	4° 5	n.a.	M21
T 22	11 32 8	24°53'09	15°38	0♈15	20°57	27°57	4°42	14°10	16°43	4°56	8°39	26°33	26°46	4°11	n.a.	T 22
W23	11 36 5	25°51'26	28°25	2°23	22°11	28° 2	4°35	14°D10	16°46	4°54	8°37	26°33	26°42	4°18	n.a.	W23
T 24	11 40 1	26°49'41	11♑36	4°29	23°25	28° 8	4°27	14°10	16°49	4°53	8°36	26°33	26°39	4°25	n.a.	T 24
F 25	11 43 58	27°47'55	25°12	6°35	24°39	28°15	4°20	14°11	16°53	4°52	8°34	26°33	26°36	4°31	n.a.	F 25
S 26	11 47 54	28°46'07	9♒14	8°39	25°53	28°22	4°12	14°11	16°56	4°51	8°33	26°33	26°33	4°38	n.a.	S 26
S 27	11 51 51	29°44'17	23°42	10°42	27° 7	28°29	4° 4	14°11	16°59	4°50	8°31	26°33	26°30	4°45	n.a.	S 27
M28	11 55 47	0♈42'26	8♓31	12°43	28°21	28°38	3°57	14°12	17° 3	4°48	8°30	26°33	26°26	4°51	n.a.	M28
T 29	11 59 44	1°40'32	23°36	14°42	29°35	28°46	3°49	14°12	17° 6	4°47	8°28	26°R34	26°23	4°58	n.a.	T 29
W30	12 3 40	2°38'38	8♈48	16°38	0♈49	28°56	3°41	14°13	17° 9	4°46	8°27	26°33	26°20	5° 5	n.a.	W30
T 31	12 7 37	3♈36'41	23♈57	18♈31	2♈ 3	29♋ 6	3♎34	14♋14	17♈13	4♏45	8♍25	26♍33	26♍17	5♎11	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	10s 2	4s53	1n 1	17s32	2s13	14s41	1s25	24n33	4n 2	1s18	1n39	23n47	0n50	5n45	0s31	11s38	1n55	24n27	17n40	1n22	0n51	0s25			n.a.
W 2	9 40	0 9	0s21	16 57	2 12	14 16	1 25	24 33	3 59	1 15	1 39	23 47	0 50	5 46	0 31	11 38	1 55	24 28	17 41	1 22	0 53	0 27			n.a.
T 3	9 18	4n33	1 42	16 21	2 10	13 50	1 25	24 33	3 57	1 13	1 39	23 47	0 51	5 48	0 31	11 37	1 55	24 29	17 41	1 22	0 54	0 29			n.a.
F 4	8 56	8 55	2 55	15 42	2 8	13 24	1 26	24 33	3 55	1 11	1 40	23 48	0 51	5 49	0 31	11 37	1 55	24 30	17 41	1 22	0 55	0 31			n.a.
S 5	8 34	12 38	3 55	15 2	2 5	12 58	1 26	24 32	3 52	1 8	1 40	23 48	0 51	5 50	0 31	11 37	1 55	24 30	17 41	1 21	0 57	0 33			n.a.
S 6	8 12	15 32	4 39	14 20	2 2	12 31	1 26	24 32	3 50	1 6	1 40	23 48	0 51	5 51	0 31	11 36	1 55	24 31	17 41	1 21	0 58	0 35			n.a.
M 7	7 49	17 28	5 6	13 37	1 58	12 5	1 26	24 31	3 47	1 3	1 40	23 48	0 51	5 52	0 31	11 36	1 55	24 32	17 41	1 21	0 59	0 37			n.a.
T 8	7 27	18 24	5 17	12 52	1 54	11 37	1 26	24 30	3 45	1 1	1 40	23 48	0 51	5 53	0 31	11 36	1 55	24 32	17 41	1 21	1 0	0 38			n.a.
W 9	7 4	18 20	5 10	12 5	1 49	11 10	1 26	24 28	3 42	0 58	1 40	23 49	0 51	5 55	0 31	11 36	1 56	24 33	17 41	1 21	1 2	0 40			n.a.
T 10	6 41	17 20	4 49	11 17	1 44	10 42	1 26	24 27	3 40	0 55	1 40	23 49	0 51	5 56	0 31	11 35	1 56	24 34	17 41	1 22	1 3	0 42			n.a.
F 11	6 19	15 32	4 14	10 27	1 38	10 14	1 26	24 25	3 38	0 53	1 40	23 49	0 51	5 57	0 31	11 35	1 56	24 34	17 41	1 23	1 4	0 44			n.a.
S 12	5 56	13 2	3 28	9 35	1 32	9 46	1 25	24 23	3 35	0 50	1 41	23 49	0 51	5 58	0 31	11 35	1 56	24 35	17 41	1 23	1 6	0 46			n.a.
S 13	5 33	10 1	2 33	8 42	1 25	9 17	1 25	24 21	3 33	0 47	1 41	23 49	0 51	5 59	0 31	11 34	1 56	24 35	17 41	1 24	1 7	0 48			n.a.
M14	5 10	6 36	1 32	7 48	1 17	8 48	1 25	24 19	3 30	0 44	1 41	23 49	0 51	6 1	0 31	11 34	1 56	24 36	17 41	1 24	1 8	0 50			n.a.
T 15	4 46	2 57	0 27	6 52	1 9	8 19	1 24	24 17	3 28	0 41	1 41	23 49	0 51	6 2	0 31	11 33	1 56	24 37	17 41	1 24	1 9	0 51			n.a.
W16	4 23	0s47	0n38	5 55	1 1	7 50	1 24	24 14	3 25	0 39	1 41	23 49	0 51	6 3	0 31	11 33	1 56	24 37	17 40	1 24	1 11	0 53			n.a.
T 17	4 0	4 30	1 42	4 57	0 52	7 20	1 23	24 12	3 23	0 36	1 41	23 50	0 51	6 4	0 31	11 33	1 56	24 38	17 40	1 24	1 12	0 55			n.a.
F 18	3 37	8 2	2 42	3 58	0 43	6 51	1 22	24 9	3 20	0 33	1 41	23 50	0 51	6 6	0 31	11 32	1 56	24 38	17 40	1 24	1 13	0 57			n.a.
S 19	3 14	11 16	3 35	2 58	0 33	6 21	1 22	24 6	3 18	0 30	1 41	23 50	0 51	6 7	0 31	11 32	1 56	24 39	17 40	1 24	1 14	0 59			n.a.
S 20	2 50	14 4	4 19	1 57	0 23	5 51	1 21	24 3	3 15	0 27	1 41	23 50	0 51	6 8	0 31	11 32	1 56	24 39	17 40	1 24	1 16	1 1			n.a.
M21	2 27	16 17	4 52	0 57	0 12	5 21	1 20	24 0	3 13	0 24	1 41	23 50	0 51	6 9	0 31	11 31	1 56	24 40	17 40	1 24	1 17	1 3			n.a.
T 22	2 3	17 47	5 12	0n 5	0 2	4 51	1 19	23 57	3 10	0 21	1 41	23 50	0 51	6 11	0 31	11 31	1 56	24 40	17 40	1 23	1 18	1 5			n.a.
W23	1 40	18 27	5 18	1 6	0n 9	4 20	1 18	23 53	3 8	0 18	1 41	23 50	0 51	6 12	0 31	11 30	1 56	24 41	17 40	1 23	1 20	1 6			n.a.
T 24	1 17	18 8	5 7	2 7	0 20	3 50	1 17	23 50	3 5	0 15	1 41	23 50	0 51	6 13	0 31	11 30	1 56	24 41	17 40	1 23	1 21	1 8			n.a.
F 25	0 53	16 48	4 39	3 7	0 31	3 19	1 16	23 46	3 3	0 12	1 41	23 50	0 51	6 15	0 31	11 29	1 56	24 42	17 39	1 23	1 22	1 10			n.a.
S 26	0 30	14 25	3 54	4 7	0 42	2 48	1 15	23 42	3 0	0 9	1 41	23 50	0 51	6 16	0 31	11 29	1 56	24 42	17 39	1 23	1 23	1 12			n.a.
S 27	0 6	11 5	2 53	5 6	0 53	2 17	1 14	23 38	2 58	0 6	1 41	23 50	0 51	6 17	0 31	11 29	1 56	24 43	17 39	1 23	1 25	1 14			n.a.
M28	0n17	6 57	1 39	6 4	1 4	1 46	1 13	23 34	2 56	0 3	1 41	23 50	0 51	6 18	0 31	11 28	1 56	24 43	17 39	1 23	1 26	1 16			n.a.
T 29	0 40	2 19	0 16	7 0	1 14	1 16	1 12	23 30	2 53	0n 0	1 41	23 50	0 51	6 20	0 31	11 28	1 56	24 44	17 39	1 23	1 27	1 18			n.a.
W30	1 4	2n30	1s 8	7 55	1 24	0 45	1 10	23 26	2 51	0 3	1 41	23 49	0 51	6 21	0 31	11 27	1 56	24 44	17 38	1 23	1 29	1 19			n.a.
T 31	1n27	7n 9	2s27	8n48	1n34	0s14	1s 9	23n21	2n49	0n 7	1n41	23n49	0n51	6n22	0s31	11s27	1n56	24n44	17n38	1n23	1n30	1s21			n.a.

Julian Day Number = 1539587.5, Delta T = 04h38m40s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'54, Lahiri = -10°49'54 Julian Calendar 1 March 498 BCE == Greg. Calendar 24 Feb. 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

APRIL 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 11 34	4♈34'42	8♉54	20♈22	3♈17	29♋17	3°R26	14♋15	17♈16	4°R43	8°R24	26°R32	26♍14	5♎18	n.a.	F 1
S 2	12 15 30	5°32'42	23°32	22°10	4°31	29°28	3♎18	14°16	17°20	4♏42	8♍22	26♍31	26°11	5°24	n.a.	S 2
S 3	12 19 27	6°30'40	7♊46	23°54	5°45	29°40	3°11	14°17	17°23	4°40	8°21	26°30	26° 7	5°31	n.a.	S 3
M 4	12 23 23	7°28'36	21°33	25°35	6°58	29°53	3° 3	14°18	17°26	4°39	8°19	26°29	26° 4	5°38	n.a.	M 4
T 5	12 27 20	8°26'30	4♋54	27°12	8°12	0♌ 6	2°56	14°20	17°30	4°38	8°18	26°D29	26° 1	5°44	n.a.	T 5
W 6	12 31 16	9°24'21	17°51	28°46	9°26	0°19	2°48	14°21	17°33	4°36	8°17	26°29	25°58	5°51	n.a.	W 6
T 7	12 35 13	10°22'11	0♌26	0♉16	10°40	0°33	2°40	14°23	17°37	4°35	8°15	26°30	25°55	5°58	n.a.	T 7
F 8	12 39 9	11°20'00	12°45	1°42	11°54	0°48	2°33	14°24	17°40	4°33	8°14	26°31	25°51	6° 4	n.a.	F 8
S 9	12 43 6	12°17'46	24°51	3° 4	13° 8	1° 3	2°25	14°26	17°44	4°32	8°13	26°32	25°48	6°11	n.a.	S 9
S 10	12 47 3	13°15'30	6♍47	4°23	14°21	1°19	2°18	14°28	17°47	4°31	8°11	26°34	25°45	6°18	n.a.	S 10
M11	12 50 59	14°13'13	18°37	5°37	15°35	1°35	2°11	14°30	17°51	4°29	8°10	26°34	25°42	6°24	n.a.	M11
T 12	12 54 56	15°10'54	0♎25	6°48	16°49	1°51	2° 3	14°32	17°54	4°28	8° 9	26°R35	25°39	6°31	n.a.	T 12
W13	12 58 52	16° 8'34	12°13	7°54	18° 3	2° 8	1°56	14°34	17°57	4°26	8° 7	26°34	25°36	6°38	n.a.	W13
T 14	13 2 49	17° 6'12	24° 3	8°56	19°16	2°26	1°49	14°36	18° 1	4°25	8° 6	26°32	25°32	6°44	n.a.	T 14
F 15	13 6 45	18° 3'49	5♏57	9°54	20°30	2°43	1°42	14°39	18° 4	4°23	8° 5	26°29	25°29	6°51	n.a.	F 15
S 16	13 10 42	19° 1'25	17°58	10°48	21°44	3° 2	1°35	14°41	18° 8	4°21	8° 4	26°26	25°26	6°58	n.a.	S 16
S 17	13 14 38	19°58'59	0♐ 8	11°37	22°58	3°21	1°28	14°44	18°11	4°20	8° 3	26°22	25°23	7° 4	n.a.	S 17
M18	13 18 35	20°56'32	12°28	12°22	24°11	3°40	1°21	14°47	18°15	4°18	8° 2	26°19	25°20	7°11	n.a.	M18
T 19	13 22 32	21°54'04	25° 1	13° 2	25°25	3°59	1°14	14°49	18°18	4°17	8° 1	26°16	25°17	7°17	n.a.	T 19
W20	13 26 28	22°51'35	7♑51	13°38	26°39	4°19	1° 7	14°52	18°22	4°15	7°59	26°13	25°13	7°24	n.a.	W20
T 21	13 30 25	23°49'05	20°59	14° 9	27°53	4°40	1° 1	14°55	18°25	4°14	7°58	26°D13	25°10	7°31	n.a.	T 21
F 22	13 34 21	24°46'35	4♒27	14°36	29° 6	5° 0	0°54	14°58	18°29	4°12	7°57	26°13	25° 7	7°37	n.a.	F 22
S 23	13 38 18	25°44'03	18°19	14°57	0♉20	5°22	0°48	15° 1	18°32	4°10	7°56	26°14	25° 4	7°44	n.a.	S 23
S 24	13 42 14	26°41'30	2♓33	15°15	1°34	5°43	0°42	15° 4	18°36	4° 9	7°55	26°15	25° 1	7°51	n.a.	S 24
M25	13 46 11	27°38'56	17° 9	15°27	2°47	6° 5	0°35	15° 8	18°39	4° 7	7°54	26°17	24°57	7°57	n.a.	M25
T 26	13 50 7	28°36'22	2♈ 3	15°35	4° 1	6°27	0°29	15°11	18°42	4° 6	7°54	26°R17	24°54	8° 4	n.a.	T 26
W27	13 54 4	29°33'46	17° 7	15°R38	5°15	6°50	0°24	15°15	18°46	4° 4	7°53	26°15	24°51	8°11	n.a.	W27
T 28	13 58 1	0♉31'10	2♉15	15°36	6°29	7°13	0°18	15°18	18°49	4° 2	7°52	26°12	24°48	8°17	n.a.	T 28
F 29	14 1 57	1°28'33	17°15	15°30	7°42	7°36	0°12	15°22	18°53	4° 1	7°51	26° 8	24°45	8°24	n.a.	F 29
S 30	14 5 54	2♉25'54	2♊ 0	15♉20	8♉56	8♌ 0	0♎ 6	15♋26	18♈56	3♏59	7♍50	26♍ 3	24♍42	8♎31	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n51	11n16	3s34	9n39	1n43	0n17	1s 7	23n17	2n46	0n10	1n41	23n49	0n51	6n24	0s31	11s26	1n56	24n45	17n38	1n24	1n31	1s23		n.a.
S 2	2 14	14 36	4 27	10 28	1 52	0 49	1 6	23 12	2 44	0 13	1 41	23 49	0 51	6 25	0 31	11 26	1 56	24 45	17 38	1 24	1 32	1 25		n.a.
S 3	2 37	16 57	5 1	11 15	2 0	1 20	1 4	23 7	2 42	0 16	1 41	23 49	0 51	6 26	0 31	11 25	1 57	24 45	17 37	1 24	1 34	1 27		n.a.
M 4	3 0	18 13	5 16	11 59	2 7	1 51	1 3	23 2	2 39	0 19	1 41	23 49	0 51	6 28	0 31	11 25	1 57	24 46	17 37	1 25	1 35	1 29		n.a.
T 5	3 23	18 26	5 14	12 41	2 14	2 22	1 1	22 57	2 37	0 22	1 41	23 49	0 51	6 29	0 31	11 24	1 57	24 46	17 37	1 25	1 36	1 31		n.a.
W 6	3 46	17 40	4 56	13 21	2 20	2 52	1 0	22 52	2 35	0 25	1 41	23 49	0 51	6 30	0 31	11 24	1 57	24 46	17 37	1 25	1 37	1 33		n.a.
T 7	4 9	16 2	4 24	13 58	2 25	3 23	0 58	22 47	2 33	0 28	1 41	23 48	0 51	6 32	0 31	11 23	1 57	24 47	17 36	1 25	1 39	1 34		n.a.
F 8	4 32	13 41	3 40	14 33	2 30	3 54	0 56	22 41	2 31	0 30	1 41	23 48	0 51	6 33	0 31	11 23	1 57	24 47	17 36	1 24	1 40	1 36		n.a.
S 9	4 55	10 47	2 47	15 6	2 33	4 25	0 54	22 36	2 28	0 33	1 40	23 48	0 51	6 34	0 31	11 22	1 57	24 47	17 36	1 24	1 41	1 38		n.a.
S 10	5 18	7 29	1 48	15 36	2 36	4 56	0 53	22 30	2 26	0 36	1 40	23 48	0 51	6 36	0 31	11 22	1 57	24 47	17 35	1 23	1 43	1 40		n.a.
M11	5 41	3 53	0 44	16 3	2 38	5 26	0 51	22 25	2 24	0 39	1 40	23 48	0 51	6 37	0 31	11 21	1 57	24 48	17 35	1 23	1 44	1 42		n.a.
T 12	6 3	0 9	0n21	16 28	2 39	5 57	0 49	22 19	2 22	0 42	1 40	23 47	0 51	6 38	0 31	11 21	1 57	24 48	17 35	1 23	1 45	1 44		n.a.
W13	6 26	3s35	1 25	16 50	2 40	6 27	0 47	22 13	2 20	0 45	1 40	23 47	0 51	6 40	0 31	11 20	1 57	24 48	17 34	1 23	1 46	1 46		n.a.
T 14	6 48	7 11	2 26	17 10	2 39	6 57	0 45	22 7	2 18	0 48	1 40	23 47	0 51	6 41	0 31	11 20	1 57	24 48	17 34	1 24	1 48	1 47		n.a.
F 15	7 10	10 32	3 21	17 27	2 37	7 27	0 43	22 1	2 16	0 50	1 40	23 47	0 51	6 42	0 31	11 19	1 57	24 48	17 34	1 25	1 49	1 49		n.a.
S 16	7 33	13 28	4 7	17 42	2 35	7 57	0 41	21 54	2 14	0 53	1 40	23 46	0 51	6 44	0 31	11 19	1 57	24 48	17 33	1 26	1 50	1 51		n.a.
S 17	7 55	15 51	4 42	17 54	2 31	8 27	0 39	21 48	2 12	0 56	1 39	23 46	0 51	6 45	0 31	11 18	1 57	24 48	17 33	1 28	1 52	1 53		n.a.
M18	8 17	17 32	5 5	18 4	2 27	8 56	0 37	21 41	2 10	0 58	1 39	23 46	0 51	6 47	0 31	11 17	1 57	24 49	17 33	1 29	1 53	1 55		n.a.
T 19	8 38	18 25	5 14	18 12	2 21	9 25	0 34	21 35	2 8	1 1	1 39	23 46	0 51	6 48	0 31	11 17	1 57	24 49	17 32	1 30	1 54	1 57		n.a.
W20	9 0	18 24	5 8	18 16	2 15	9 55	0 32	21 28	2 6	1 3	1 39	23 45	0 51	6 49	0 31	11 16	1 57	24 49	17 32	1 31	1 55	1 59		n.a.
T 21	9 22	17 23	4 46	18 19	2 7	10 23	0 30	21 21	2 4	1 6	1 39	23 45	0 51	6 51	0 31	11 16	1 57	24 49	17 31	1 32	1 57	2 0		n.a.
F 22	9 43	15 24	4 7	18 19	1 59	10 52	0 28	21 14	2 2	1 8	1 39	23 45	0 51	6 52	0 31	11 15	1 57	24 49	17 31	1 31	1 58	2 2		n.a.
S 23	10 4	12 28	3 13	18 16	1 49	11 20	0 26	21 7	2 0	1 11	1 38	23 44	0 51	6 53	0 31	11 15	1 57	24 49	17 31	1 31	1 59	2 4		n.a.
S 24	10 25	8 44	2 7	18 12	1 39	11 48	0 23	21 0	1 58	1 13	1 38	23 44	0 51	6 55	0 31	11 14	1 57	24 49	17 30	1 30	2 0	2 6		n.a.
M25	10 46	4 22	0 50	18 5	1 28	12 16	0 21	20 53	1 57	1 15	1 38	23 43	0 51	6 56	0 31	11 14	1 57	24 49	17 30	1 30	2 2	2 8		n.a.
T 26	11 7	0n21	0s32	17 55	1 15	12 44	0 19	20 45	1 55	1 18	1 38	23 43	0 51	6 57	0 31	11 13	1 57	24 49	17 29	1 30	2 3	2 10		n.a.
W27	11 28	5 6	1 52	17 43	1 2	13 11	0 16	20 38	1 53	1 20	1 38	23 43	0 51	6 59	0 31	11 13	1 57	24 49	17 29	1 30	2 4	2 12		n.a.
T 28	11 48	9 32	3 4	17 30	0 48	13 38	0 14	20 30	1 51	1 22	1 37	23 42	0 51	7 0	0 31	11 12	1 57	24 49	17 29	1 32	2 6	2 14		n.a.
F 29	12 8	13 19	4 3	17 14	0 34	14 5	0 12	20 22	1 49	1 24	1 37	23 42	0 51	7 1	0 31	11 11	1 57	24 49	17 28	1 33	2 7	2 15		n.a.
S 30	12n28	16n11	4s45	16n56	0n18	14n31	0s 9	20n14	1n47	1n26	1n37	23n41	0n51	7n 2	0s31	11s11	1n57	24n49	17n28	1n35	2n 8	2s17		n.a.

Julian Day Number = 1539618.5, Delta T = 04h38m39s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'50, Lahiri = -10°49'50 Julian Calendar 1 Apr. 498 BCE == Greg. Calendar 27 March 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

MAY 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 9 50	3♉23'15	16♊22	15°R 6	10♉10	8♌24	0°R 1	15♋30	18♈59	3°R58	7°R49	25°R58	24♍38	8♎37	n.a.	S 1
M 2	14 13 47	4°20'34	0♋17	14♉48	11°23	8°48	29♍56	15°33	19° 3	3♏56	7♍49	25♍53	24°35	8°44	n.a.	M 2
T 3	14 17 43	5°17'52	13°44	14°26	12°37	9°13	29°51	15°37	19° 6	3°54	7°48	25°49	24°32	8°51	n.a.	T 3
W 4	14 21 40	6°15'09	26°44	14° 1	13°50	9°37	29°46	15°42	19°10	3°53	7°47	25°47	24°29	8°57	n.a.	W 4
T 5	14 25 36	7°12'25	9♌21	13°33	15° 4	10° 3	29°41	15°46	19°13	3°51	7°47	25°D47	24°26	9° 4	n.a.	T 5
F 6	14 29 33	8° 9'40	21°38	13° 3	16°18	10°28	29°36	15°50	19°16	3°49	7°46	25°48	24°23	9°11	n.a.	F 6
S 7	14 33 30	9° 6'53	3♍40	12°32	17°31	10°54	29°32	15°54	19°20	3°48	7°45	25°49	24°19	9°17	n.a.	S 7
S 8	14 37 26	10° 4'06	15°33	11°59	18°45	11°20	29°27	15°59	19°23	3°46	7°45	25°50	24°16	9°24	n.a.	S 8
M 9	14 41 23	11° 1'18	27°21	11°25	19°59	11°46	29°23	16° 3	19°26	3°45	7°44	25°R51	24°13	9°30	n.a.	M 9
T 10	14 45 19	11°58'29	9♎ 8	10°52	21°12	12°13	29°19	16° 8	19°29	3°43	7°44	25°50	24°10	9°37	n.a.	T 10
W11	14 49 16	12°55'39	20°58	10°18	22°26	12°40	29°15	16°13	19°33	3°41	7°43	25°47	24° 7	9°44	n.a.	W11
T 12	14 53 12	13°52'48	2♏53	9°46	23°39	13° 7	29°11	16°17	19°36	3°40	7°43	25°42	24° 3	9°50	n.a.	T 12
F 13	14 57 9	14°49'57	14°56	9°16	24°53	13°34	29° 8	16°22	19°39	3°38	7°42	25°35	24° 0	9°57	n.a.	F 13
S 14	15 1 5	15°47'06	27° 8	8°47	26° 6	14° 2	29° 4	16°27	19°42	3°37	7°42	25°26	23°57	10° 4	n.a.	S 14
S 15	15 5 2	16°44'13	9♐31	8°21	27°20	14°30	29° 1	16°32	19°46	3°35	7°42	25°17	23°54	10°10	n.a.	S 15
M16	15 8 59	17°41'21	22° 5	7°58	28°33	14°58	28°58	16°37	19°49	3°34	7°41	25° 8	23°51	10°17	n.a.	M16
T 17	15 12 55	18°38'28	4♑51	7°39	29°47	15°27	28°55	16°42	19°52	3°32	7°41	25° 0	23°48	10°24	n.a.	T 17
W18	15 16 52	19°35'35	17°50	7°23	1♒ 1	15°55	28°53	16°47	19°55	3°30	7°41	24°54	23°44	10°30	n.a.	W18
T 19	15 20 48	20°32'42	1♒ 4	7°12	2°14	16°24	28°50	16°52	19°58	3°29	7°41	24°50	23°41	10°37	n.a.	T 19
F 20	15 24 45	21°29'49	14°32	7° 5	3°28	16°53	28°48	16°58	20° 1	3°27	7°41	24°49	23°38	10°44	n.a.	F 20
S 21	15 28 41	22°26'56	28°17	7°D 2	4°41	17°22	28°46	17° 3	20° 4	3°26	7°40	24°D49	23°35	10°50	n.a.	S 21
S 22	15 32 38	23°24'02	12♓20	7° 3	5°55	17°52	28°43	17° 9	20° 7	3°24	7°40	24°49	23°32	10°57	n.a.	S 22
M23	15 36 34	24°21'09	26°40	7°10	7° 8	18°22	28°42	17°14	20°10	3°23	7°40	24°R50	23°28	11° 4	n.a.	M23
T 24	15 40 31	25°18'16	11♈15	7°21	8°22	18°52	28°40	17°20	20°13	3°21	7°40	24°49	23°25	11°10	n.a.	T 24
W25	15 44 28	26°15'23	26° 1	7°37	9°35	19°22	28°39	17°25	20°16	3°20	7°D40	24°45	23°22	11°17	n.a.	W25
T 26	15 48 24	27°12'30	10♉52	7°58	10°49	19°52	28°37	17°31	20°19	3°19	7°40	24°40	23°19	11°24	n.a.	T 26
F 27	15 52 21	28° 9'37	25°41	8°23	12° 2	20°23	28°36	17°37	20°22	3°17	7°40	24°32	23°16	11°30	n.a.	F 27
S 28	15 56 17	29° 6'44	10♊18	8°53	13°16	20°54	28°35	17°43	20°25	3°16	7°40	24°22	23°13	11°37	n.a.	S 28
S 29	16 0 14	0♊ 3'51	24°37	9°28	14°29	21°25	28°34	17°48	20°28	3°14	7°40	24°12	23° 9	11°43	n.a.	S 29
M30	16 4 10	1° 0'58	8♋32	10° 8	15°43	21°56	28°34	17°54	20°31	3°13	7°41	24° 3	23° 6	11°50	n.a.	M30
T 31	16 8 7	1♊58'04	22♋ 1	10♉52	16♊56	22♌27	28♍33	18♋ 0	20♈34	3♏11	7♍41	23♍55	23♍ 3	11♎57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	12n48	17n57	5s 7	16n37	0n 2	14n57	0s 7	20n 6	1n46	1n28	1n37	23n41	0n51	7n 4	0s31	11s10	1n57	24n48	17n27	1n38	2n 9	2s19			n.a.
M 2	13 8	18 35	5 10	16 16	0s14	15 22	0 5	19 58	1 44	1 30	1 36	23 40	0 51	7 5	0 31	11 10	1 57	24 48	17 27	1 39	2 11	2 21			n.a.
T 3	13 28	18 7	4 56	15 53	0 31	15 47	0 2	19 50	1 42	1 32	1 36	23 40	0 51	7 6	0 31	11 9	1 57	24 48	17 26	1 41	2 12	2 23			n.a.
W 4	13 47	16 43	4 27	15 29	0 48	16 12	0n 0	19 41	1 41	1 34	1 36	23 39	0 51	7 8	0 31	11 9	1 57	24 48	17 26	1 42	2 13	2 25			n.a.
T 5	14 6	14 31	3 46	15 5	1 5	16 37	0 3	19 33	1 39	1 35	1 36	23 39	0 51	7 9	0 31	11 8	1 57	24 48	17 25	1 42	2 14	2 27			n.a.
F 6	14 25	11 43	2 55	14 40	1 22	17 1	0 5	19 24	1 37	1 37	1 36	23 38	0 51	7 10	0 31	11 8	1 57	24 48	17 25	1 42	2 16	2 28			n.a.
S 7	14 43	8 28	1 58	14 14	1 39	17 24	0 7	19 15	1 36	1 39	1 35	23 38	0 51	7 11	0 31	11 7	1 57	24 47	17 24	1 41	2 17	2 30			n.a.
S 8	15 2	4 55	0 56	13 48	1 55	17 47	0 10	19 6	1 34	1 40	1 35	23 37	0 51	7 13	0 31	11 7	1 57	24 47	17 24	1 40	2 18	2 32			n.a.
M 9	15 20	1 12	0n 8	13 23	2 11	18 10	0 12	18 57	1 32	1 42	1 35	23 37	0 51	7 14	0 31	11 6	1 57	24 47	17 23	1 40	2 20	2 34			n.a.
T 10	15 38	2s34	1 11	12 58	2 26	18 32	0 15	18 48	1 31	1 43	1 35	23 36	0 51	7 15	0 31	11 5	1 57	24 47	17 23	1 41	2 21	2 36			n.a.
W11	15 55	6 15	2 12	12 34	2 41	18 54	0 17	18 39	1 29	1 44	1 34	23 36	0 51	7 16	0 31	11 5	1 57	24 46	17 22	1 42	2 22	2 38			n.a.
T 12	16 13	9 43	3 6	12 11	2 54	19 15	0 19	18 30	1 27	1 46	1 34	23 35	0 51	7 18	0 31	11 4	1 57	24 46	17 22	1 44	2 23	2 40			n.a.
F 13	16 30	12 49	3 53	11 49	3 7	19 35	0 22	18 20	1 26	1 47	1 34	23 35	0 51	7 19	0 31	11 4	1 57	24 46	17 21	1 47	2 25	2 41			n.a.
S 14	16 47	15 23	4 30	11 29	3 18	19 55	0 24	18 11	1 24	1 48	1 33	23 34	0 51	7 20	0 31	11 3	1 57	24 45	17 21	1 50	2 26	2 43			n.a.
S 15	17 3	17 18	4 55	11 11	3 28	20 15	0 27	18 1	1 23	1 49	1 33	23 33	0 51	7 21	0 31	11 3	1 57	24 45	17 20	1 54	2 27	2 45			n.a.
M16	17 20	18 25	5 6	10 55	3 37	20 34	0 29	17 51	1 21	1 50	1 33	23 33	0 51	7 23	0 31	11 2	1 57	24 45	17 20	1 57	2 29	2 47			n.a.
T 17	17 36	18 38	5 2	10 42	3 45	20 53	0 31	17 41	1 20	1 51	1 33	23 32	0 51	7 24	0 31	11 2	1 57	24 44	17 19	2 1	2 30	2 49			n.a.
W18	17 52	17 53	4 42	10 31	3 51	21 11	0 33	17 31	1 18	1 52	1 32	23 32	0 51	7 25	0 31	11 1	1 57	24 44	17 19	2 3	2 31	2 51			n.a.
T 19	18 7	16 9	4 8	10 22	3 56	21 28	0 36	17 21	1 17	1 52	1 32	23 31	0 51	7 26	0 31	11 1	1 57	24 44	17 18	2 5	2 32	2 53			n.a.
F 20	18 22	13 31	3 19	10 16	4 0	21 45	0 38	17 10	1 15	1 53	1 32	23 30	0 51	7 27	0 31	11 0	1 57	24 43	17 18	2 5	2 34	2 54			n.a.
S 21	18 37	10 5	2 17	10 13	4 3	22 1	0 40	17 0	1 14	1 54	1 31	23 30	0 51	7 28	0 31	11 0	1 57	24 43	17 17	2 5	2 35	2 56			n.a.
S 22	18 52	6 0	1 6	10 12	4 4	22 16	0 42	16 49	1 12	1 54	1 31	23 29	0 51	7 30	0 31	10 59	1 57	24 42	17 17	2 5	2 36	2 58			n.a.
M23	19 6	1 30	0s10	10 15	4 4	22 31	0 45	16 39	1 11	1 55	1 31	23 28	0 51	7 31	0 31	10 59	1 57	24 42	17 16	2 5	2 37	3 0			n.a.
T 24	19 20	3n11	1 27	10 19	4 3	22 45	0 47	16 28	1 9	1 55	1 31	23 27	0 51	7 32	0 31	10 58	1 57	24 41	17 16	2 5	2 39	3 2			n.a.
W25	19 34	7 43	2 39	10 26	4 1	22 59	0 49	16 17	1 8	1 55	1 30	23 27	0 51	7 33	0 31	10 58	1 56	24 41	17 15	2 7	2 40	3 4			n.a.
T 26	19 48	11 48	3 40	10 36	3 57	23 12	0 51	16 6	1 7	1 56	1 30	23 26	0 51	7 34	0 31	10 57	1 56	24 40	17 14	2 9	2 41	3 6			n.a.
F 27	20 1	15 7	4 26	10 48	3 53	23 24	0 53	15 55	1 5	1 56	1 30	23 25	0 51	7 35	0 31	10 57	1 56	24 40	17 14	2 12	2 43	3 7			n.a.
S 28	20 13	17 26	4 55	11 3	3 48	23 36	0 55	15 43	1 4	1 56	1 29	23 25	0 51	7 36	0 31	10 56	1 56	24 39	17 13	2 16	2 44	3 9			n.a.
S 29	20 26	18 35	5 4	11 20	3 42	23 47	0 57	15 32	1 2	1 56	1 29	23 24	0 51	7 37	0 31	10 56	1 56	24 39	17 13	2 20	2 45	3 11			n.a.
M30	20 38	18 35	4 54	11 39	3 35	23 57	0 59	15 20	1 1	1 56	1 29	23 23	0 51	7 39	0 31	10 56	1 56	24 38	17 12	2 24	2 46	3 13			n.a.
T 31	20n50	17n31	4s28	12n 0	3s28	24n 7	1n 1	15n 9	1n 0	1n56	1n28	23n22	0n51	7n40	0s31	10s55	1n56	24n38	17n12	2n27	2n48	3s15			n.a.

Julian Day Number = 1539648.5, Delta T = 04h38m38s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'46, Lahiri = -10°49'45 Julian Calendar 1 May 498 BCE == Greg. Calendar 26 Apr. 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

JUNE 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 12 3	2♊55'11	5♌ 3	11♉40	18♊10	22♌59	28°R33	18♋ 6	20♈36	3°R10	7♍41	23°R50	23♍ 0	12♎ 3	n.a.	W 1
T 2	16 16 0	3°52'17	17°42	12°34	19°23	23°31	28°D33	18°13	20°39	3♏ 9	7°41	23♍47	22°57	12°10	n.a.	T 2
F 3	16 19 57	4°49'23	29°59	13°31	20°37	24° 3	28♍33	18°19	20°42	3° 7	7°42	23°D46	22°54	12°17	n.a.	F 3
S 4	16 23 53	5°46'29	12♍ 2	14°33	21°50	24°35	28°34	18°25	20°45	3° 6	7°42	23°46	22°50	12°23	n.a.	S 4
S 5	16 27 50	6°43'35	23°55	15°39	23° 4	25° 7	28°34	18°31	20°47	3° 5	7°42	23°R46	22°47	12°30	n.a.	S 5
M 6	16 31 46	7°40'40	5♎43	16°50	24°17	25°40	28°35	18°37	20°50	3° 4	7°43	23°45	22°44	12°37	n.a.	M 6
T 7	16 35 43	8°37'46	17°32	18° 4	25°31	26°12	28°36	18°44	20°52	3° 2	7°43	23°43	22°41	12°43	n.a.	T 7
W 8	16 39 39	9°34'52	29°25	19°23	26°44	26°45	28°37	18°50	20°55	3° 1	7°44	23°38	22°38	12°50	n.a.	W 8
T 9	16 43 36	10°31'58	11♏27	20°46	27°57	27°18	28°38	18°57	20°57	3° 0	7°44	23°31	22°34	12°57	n.a.	T 9
F 10	16 47 33	11°29'05	23°40	22°13	29°11	27°52	28°40	19° 3	21° 0	2°59	7°45	23°21	22°31	13° 3	n.a.	F 10
S 11	16 51 29	12°26'11	6♐ 6	23°44	0♋24	28°25	28°41	19°10	21° 2	2°58	7°45	23°10	22°28	13°10	n.a.	S 11
S 12	16 55 26	13°23'19	18°46	25°18	1°38	28°58	28°43	19°16	21° 5	2°56	7°46	22°57	22°25	13°17	n.a.	S 12
M13	16 59 22	14°20'26	1♑39	26°57	2°51	29°32	28°45	19°23	21° 7	2°55	7°46	22°45	22°22	13°23	n.a.	M13
T 14	17 3 19	15°17'35	14°44	28°39	4° 4	0♍ 6	28°47	19°30	21°10	2°54	7°47	22°34	22°19	13°30	n.a.	T 14
W15	17 7 15	16°14'44	28° 1	0♊24	5°18	0°40	28°49	19°36	21°12	2°53	7°48	22°25	22°15	13°37	n.a.	W15
T 16	17 11 12	17°11'53	11♒29	2°13	6°31	1°14	28°52	19°43	21°14	2°52	7°48	22°19	22°12	13°43	n.a.	T 16
F 17	17 15 8	18° 9'04	25° 7	4° 4	7°45	1°48	28°54	19°50	21°16	2°51	7°49	22°15	22° 9	13°50	n.a.	F 17
S 18	17 19 5	19° 6'15	8♓56	5°59	8°58	2°23	28°57	19°57	21°19	2°50	7°50	22°14	22° 6	13°57	n.a.	S 18
S 19	17 23 2	20° 3'28	22°55	7°56	10°11	2°58	29° 0	20° 4	21°21	2°49	7°51	22°14	22° 3	14° 3	n.a.	S 19
M20	17 26 58	21° 0'41	7♈ 3	9°55	11°25	3°32	29° 3	20°11	21°23	2°48	7°52	22°14	22° 0	14°10	n.a.	M20
T 21	17 30 55	21°57'55	21°21	11°56	12°38	4° 7	29° 7	20°18	21°25	2°47	7°52	22°12	21°56	14°17	n.a.	T 21
W22	17 34 51	22°55'11	5♉46	13°59	13°51	4°42	29°10	20°25	21°27	2°46	7°53	22° 8	21°53	14°23	n.a.	W22
T 23	17 38 48	23°52'27	20°14	16° 3	15° 5	5°17	29°14	20°32	21°29	2°45	7°54	22° 1	21°50	14°30	n.a.	T 23
F 24	17 42 44	24°49'45	4♊40	18° 9	16°18	5°53	29°18	20°39	21°31	2°45	7°55	21°52	21°47	14°37	n.a.	F 24
S 25	17 46 41	25°47'03	18°57	20°15	17°31	6°28	29°22	20°46	21°33	2°44	7°56	21°41	21°44	14°43	n.a.	S 25
S 26	17 50 37	26°44'23	3♋ 1	22°21	18°45	7° 4	29°26	20°53	21°35	2°43	7°57	21°29	21°40	14°50	n.a.	S 26
M27	17 54 34	27°41'43	16°45	24°27	19°58	7°40	29°30	21° 0	21°37	2°42	7°58	21°18	21°37	14°57	n.a.	M27
T 28	17 58 31	28°39'04	0♌ 6	26°33	21°11	8°16	29°35	21° 7	21°39	2°41	7°59	21° 8	21°34	15° 3	n.a.	T 28
W29	18 2 27	29°36'26	13° 5	28°39	22°25	8°52	29°39	21°15	21°40	2°41	8° 1	21° 1	21°31	15°10	n.a.	W29
T 30	18 6 24	0♋33'49	25♌42	0♋44	23♋38	9♍28	29♍44	21♋22	21♈42	2♏40	8♍ 2	20♍57	21♍28	15♎16	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n 1	15n33	3s49	12n23	3s19	24n16	1n 3	14n57	0n58	1n56	1n28	23n21	0n51	7n41	0s31	10s55	1n56	24n37	17n11	2n29	2n49	3s17		n.a.
T 2	21 12	12 53	3 0	12 47	3 10	24 24	1 5	14 45	0 57	1 55	1 28	23 21	0 51	7 42	0 31	10 54	1 56	24 36	17 11	2 30	2 50	3 19		n.a.
F 3	21 23	9 42	2 3	13 14	3 1	24 31	1 7	14 33	0 56	1 55	1 28	23 20	0 51	7 43	0 31	10 54	1 56	24 36	17 10	2 30	2 51	3 20		n.a.
S 4	21 33	6 11	1 2	13 42	2 50	24 38	1 8	14 21	0 54	1 55	1 27	23 19	0 51	7 44	0 31	10 53	1 56	24 35	17 10	2 30	2 53	3 22		n.a.
S 5	21 43	2 28	0n 1	14 12	2 40	24 44	1 10	14 9	0 53	1 54	1 27	23 18	0 51	7 45	0 31	10 53	1 56	24 35	17 9	2 30	2 54	3 24		n.a.
M 6	21 53	1s20	1 3	14 43	2 29	24 49	1 12	13 57	0 52	1 54	1 27	23 17	0 51	7 46	0 31	10 53	1 56	24 34	17 8	2 31	2 55	3 26		n.a.
T 7	22 2	5 5	2 3	15 15	2 17	24 54	1 13	13 44	0 50	1 53	1 26	23 16	0 51	7 47	0 31	10 52	1 56	24 33	17 8	2 32	2 56	3 28		n.a.
W 8	22 11	8 39	2 57	15 48	2 5	24 58	1 15	13 32	0 49	1 52	1 26	23 15	0 51	7 48	0 31	10 52	1 56	24 33	17 7	2 33	2 58	3 30		n.a.
T 9	22 19	11 55	3 44	16 22	1 53	25 1	1 17	13 19	0 48	1 51	1 26	23 15	0 51	7 49	0 31	10 52	1 56	24 32	17 7	2 36	2 59	3 32		n.a.
F 10	22 27	14 42	4 22	16 56	1 41	25 3	1 18	13 6	0 47	1 51	1 25	23 14	0 51	7 49	0 31	10 51	1 56	24 31	17 6	2 40	3 0	3 33		n.a.
S 11	22 35	16 53	4 48	17 31	1 28	25 5	1 19	12 53	0 45	1 50	1 25	23 13	0 52	7 50	0 31	10 51	1 56	24 31	17 6	2 45	3 2	3 35		n.a.
S 12	22 42	18 17	5 0	18 7	1 16	25 5	1 21	12 40	0 44	1 49	1 25	23 12	0 52	7 51	0 31	10 50	1 56	24 30	17 5	2 50	3 3	3 37		n.a.
M13	22 49	18 47	4 57	18 43	1 3	25 5	1 22	12 27	0 43	1 48	1 24	23 11	0 52	7 52	0 31	10 50	1 56	24 29	17 5	2 55	3 4	3 39		n.a.
T 14	22 56	18 18	4 39	19 18	0 50	25 5	1 23	12 14	0 42	1 46	1 24	23 10	0 52	7 53	0 31	10 50	1 56	24 28	17 4	2 59	3 5	3 41		n.a.
W15	23 2	16 49	4 5	19 53	0 38	25 3	1 25	12 1	0 40	1 45	1 24	23 9	0 52	7 54	0 31	10 49	1 56	24 28	17 4	3 3	3 7	3 43		n.a.
T 16	23 8	14 24	3 18	20 28	0 25	25 1	1 26	11 47	0 39	1 44	1 24	23 8	0 52	7 55	0 31	10 49	1 56	24 27	17 3	3 5	3 8	3 45		n.a.
F 17	23 13	11 9	2 18	21 1	0 13	24 58	1 27	11 34	0 38	1 43	1 23	23 7	0 52	7 56	0 31	10 49	1 56	24 26	17 3	3 7	3 9	3 46		n.a.
S 18	23 18	7 15	1 10	21 34	0 1	24 54	1 28	11 20	0 37	1 41	1 23	23 6	0 52	7 56	0 31	10 49	1 55	24 25	17 2	3 7	3 10	3 48		n.a.
S 19	23 22	2 54	0s 4	22 5	0n10	24 50	1 29	11 6	0 36	1 40	1 23	23 5	0 52	7 57	0 31	10 48	1 55	24 24	17 1	3 7	3 12	3 50		n.a.
M20	23 27	1n39	1 18	22 35	0 21	24 45	1 30	10 52	0 34	1 38	1 22	23 4	0 52	7 58	0 31	10 48	1 55	24 24	17 1	3 7	3 13	3 52		n.a.
T 21	23 30	6 9	2 28	23 2	0 32	24 39	1 30	10 39	0 33	1 37	1 22	23 3	0 52	7 59	0 31	10 48	1 55	24 23	17 0	3 8	3 14	3 54		n.a.
W22	23 34	10 21	3 29	23 28	0 42	24 32	1 31	10 24	0 32	1 35	1 22	23 2	0 52	8 0	0 31	10 47	1 55	24 22	17 0	3 10	3 16	3 56		n.a.
T 23	23 37	13 55	4 16	23 52	0 51	24 24	1 32	10 10	0 31	1 33	1 22	23 1	0 52	8 0	0 31	10 47	1 55	24 21	16 59	3 12	3 17	3 58		n.a.
F 24	23 39	16 38	4 48	24 13	1 0	24 16	1 32	9 56	0 30	1 31	1 21	23 0	0 52	8 1	0 31	10 47	1 55	24 20	16 59	3 16	3 18	3 59		n.a.
S 25	23 41	18 18	5 0	24 31	1 8	24 7	1 33	9 42	0 29	1 30	1 21	22 59	0 52	8 2	0 31	10 47	1 55	24 19	16 58	3 21	3 19	4 1		n.a.
S 26	23 43	18 48	4 55	24 47	1 15	23 58	1 33	9 27	0 28	1 28	1 21	22 58	0 52	8 3	0 31	10 47	1 55	24 19	16 58	3 25	3 21	4 3		n.a.
M27	23 44	18 11	4 32	25 0	1 22	23 48	1 34	9 13	0 26	1 26	1 20	22 57	0 52	8 3	0 31	10 46	1 55	24 18	16 57	3 30	3 22	4 5		n.a.
T 28	23 45	16 34	3 55	25 10	1 28	23 37	1 34	8 58	0 25	1 24	1 20	22 56	0 52	8 4	0 31	10 46	1 55	24 17	16 57	3 33	3 23	4 7		n.a.
W29	23 45	14 8	3 6	25 18	1 33	23 25	1 35	8 43	0 24	1 21	1 20	22 55	0 52	8 5	0 31	10 46	1 55	24 16	16 56	3 36	3 24	4 9		n.a.
T 30	23n45	11n 5	2s 9	25n22	1n37	23n13	1n35	8n29	0n23	1n19	1n19	22n54	0n52	8n 5	0s31	10s46	1n55	24n15	16n56	3n38	3n26	4s10		n.a.

Julian Day Number = 1539679.5, Delta T = 04h38m36s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'42, Lahiri = -10°49'41 Julian Calendar 1 June 498 BCE == Greg. Calendar 27 May 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

JULY 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 10 20	1♋31'13	8♍ 0	2♋49	24♋51	10♍ 4	29♍49	21♋29	21♈44	2°R39	8♍ 3	20°R55	21♍25	15♎23	n.a.	F 1
S 2	18 14 17	2°28'37	20° 3	4°52	26° 4	10°41	29°54	21°36	21°45	2♏39	8° 4	20°D54	21°21	15°30	n.a.	S 2
S 3	18 18 13	3°26'02	1♎56	6°54	27°18	11°17	29°59	21°44	21°47	2°38	8° 5	20°R54	21°18	15°36	n.a.	S 3
M 4	18 22 10	4°23'28	13°45	8°55	28°31	11°54	0♎ 5	21°51	21°48	2°38	8° 7	20♍54	21°15	15°43	n.a.	M 4
T 5	18 26 6	5°20'55	25°36	10°55	29°44	12°31	0°10	21°58	21°50	2°37	8° 8	20°52	21°12	15°50	n.a.	T 5
W 6	18 30 3	6°18'23	7♏32	12°54	0♌57	13° 8	0°16	22° 6	21°51	2°37	8° 9	20°48	21° 9	15°56	n.a.	W 6
T 7	18 34 0	7°15'52	19°39	14°51	2°10	13°45	0°22	22°13	21°53	2°36	8°11	20°42	21° 6	16° 3	n.a.	T 7
F 8	18 37 56	8°13'22	2♐ 1	16°46	3°23	14°22	0°28	22°21	21°54	2°36	8°12	20°33	21° 2	16°10	n.a.	F 8
S 9	18 41 53	9°10'53	14°39	18°40	4°37	14°59	0°34	22°28	21°56	2°35	8°13	20°23	20°59	16°16	n.a.	S 9
S 10	18 45 49	10° 8'26	27°34	20°33	5°50	15°37	0°40	22°35	21°57	2°35	8°15	20°11	20°56	16°23	n.a.	S 10
M11	18 49 46	11° 5'59	10♑46	22°24	7° 3	16°14	0°47	22°43	21°58	2°35	8°16	20° 0	20°53	16°30	n.a.	M11
T 12	18 53 42	12° 3'34	24°14	24°14	8°16	16°52	0°53	22°50	21°59	2°34	8°18	19°50	20°50	16°36	n.a.	T 12
W13	18 57 39	13° 1'11	7♒55	26° 2	9°29	17°30	1° 0	22°58	22° 0	2°34	8°19	19°42	20°46	16°43	n.a.	W13
T 14	19 1 36	13°58'49	21°45	27°49	10°42	18° 8	1° 7	23° 5	22° 1	2°34	8°21	19°36	20°43	16°50	n.a.	T 14
F 15	19 5 32	14°56'28	5♓43	29°34	11°55	18°46	1°14	23°13	22° 2	2°33	8°23	19°33	20°40	16°56	n.a.	F 15
S 16	19 9 29	15°54'10	19°46	1♌18	13° 8	19°24	1°21	23°20	22° 3	2°33	8°24	19°D33	20°37	17° 3	n.a.	S 16
S 17	19 13 25	16°51'53	3♈52	3° 0	14°21	20° 2	1°28	23°28	22° 4	2°33	8°26	19°33	20°34	17°10	n.a.	S 17
M18	19 17 22	17°49'37	18° 0	4°41	15°34	20°41	1°36	23°36	22° 5	2°33	8°27	19°R33	20°31	17°16	n.a.	M18
T 19	19 21 18	18°47'24	2♉ 9	6°21	16°47	21°19	1°43	23°43	22° 6	2°33	8°29	19°33	20°27	17°23	n.a.	T 19
W20	19 25 15	19°45'13	16°17	7°59	18° 0	21°58	1°51	23°51	22° 7	2°33	8°31	19°30	20°24	17°30	n.a.	W20
T 21	19 29 11	20°43'03	0♊22	9°36	19°13	22°37	1°59	23°58	22° 8	2°33	8°33	19°25	20°21	17°36	n.a.	T 21
F 22	19 33 8	21°40'56	14°23	11°11	20°26	23°15	2° 6	24° 6	22° 8	2°D33	8°34	19°18	20°18	17°43	n.a.	F 22
S 23	19 37 4	22°38'50	28°14	12°45	21°39	23°54	2°14	24°13	22° 9	2°33	8°36	19° 9	20°15	17°50	n.a.	S 23
S 24	19 41 1	23°36'46	11♋53	14°18	22°52	24°33	2°23	24°21	22°10	2°33	8°38	19° 0	20°12	17°56	n.a.	S 24
M25	19 44 58	24°34'44	25°17	15°49	24° 4	25°13	2°31	24°29	22°10	2°33	8°40	18°51	20° 8	18° 3	n.a.	M25
T 26	19 48 54	25°32'43	8♌23	17°19	25°17	25°52	2°39	24°36	22°11	2°33	8°41	18°43	20° 5	18°10	n.a.	T 26
W27	19 52 51	26°30'44	21°11	18°47	26°30	26°31	2°48	24°44	22°11	2°33	8°43	18°37	20° 2	18°16	n.a.	W27
T 28	19 56 47	27°28'47	3♍41	20°14	27°43	27°11	2°56	24°51	22°11	2°33	8°45	18°34	19°59	18°23	n.a.	T 28
F 29	20 0 44	28°26'51	15°55	21°40	28°56	27°50	3° 5	24°59	22°12	2°34	8°47	18°D33	19°56	18°30	n.a.	F 29
S 30	20 4 40	29°24'57	27°56	23° 4	0♍ 8	28°30	3°14	25° 6	22°12	2°34	8°49	18°33	19°52	18°36	n.a.	S 30
S 31	20 8 37	0♌23'04	9♎49	24♌27	1♍21	29♍10	3♎23	25♋14	22♈12	2♏34	8♍51	18♍34	19♍49	18♎43	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n45	7n38	1s 8	25n24	1n41	23n 0	1n35	8n14	0n22	1n17	1n19	22n52	0n52	8n 6	0s31	10s46	1n55	24n14	16n55	3n39	3n27	4s12		n.a.
S 2	23 44	3 55	0 5	25 24	1 44	22 46	1 35	7 59	0 21	1 15	1 19	22 51	0 52	8 6	0 31	10 45	1 55	24 13	16 55	3 39	3 28	4 14		n.a.
S 3	23 42	0 7	0n58	25 20	1 46	22 32	1 35	7 44	0 20	1 12	1 19	22 50	0 52	8 7	0 31	10 45	1 55	24 12	16 54	3 39	3 29	4 16		n.a.
M 4	23 41	3s41	1 58	25 14	1 48	22 17	1 35	7 29	0 19	1 10	1 18	22 49	0 53	8 8	0 31	10 45	1 55	24 11	16 54	3 39	3 31	4 18		n.a.
T 5	23 39	7 20	2 53	25 6	1 49	22 1	1 35	7 13	0 18	1 7	1 18	22 48	0 53	8 8	0 31	10 45	1 55	24 10	16 53	3 40	3 32	4 20		n.a.
W 6	23 36	10 43	3 41	24 55	1 49	21 45	1 34	6 58	0 17	1 5	1 18	22 47	0 53	8 9	0 31	10 45	1 54	24 9	16 53	3 41	3 33	4 22		n.a.
T 7	23 33	13 43	4 20	24 43	1 48	21 28	1 34	6 43	0 16	1 2	1 18	22 46	0 53	8 9	0 31	10 45	1 54	24 8	16 53	3 44	3 35	4 23		n.a.
F 8	23 30	16 9	4 47	24 28	1 47	21 10	1 34	6 27	0 15	1 0	1 17	22 44	0 53	8 10	0 31	10 45	1 54	24 8	16 52	3 47	3 36	4 25		n.a.
S 9	23 26	17 53	5 1	24 11	1 46	20 52	1 33	6 12	0 13	0 57	1 17	22 43	0 53	8 10	0 31	10 45	1 54	24 7	16 52	3 52	3 37	4 27		n.a.
S 10	23 22	18 44	5 0	23 52	1 44	20 34	1 33	5 56	0 12	0 54	1 17	22 42	0 53	8 11	0 31	10 45	1 54	24 6	16 51	3 56	3 38	4 29		n.a.
M11	23 17	18 37	4 43	23 32	1 41	20 14	1 32	5 40	0 11	0 51	1 16	22 41	0 53	8 11	0 31	10 44	1 54	24 5	16 51	4 1	3 40	4 31		n.a.
T 12	23 12	17 27	4 10	23 10	1 38	19 55	1 32	5 25	0 10	0 48	1 16	22 40	0 53	8 11	0 31	10 44	1 54	24 4	16 50	4 5	3 41	4 33		n.a.
W13	23 6	15 16	3 23	22 46	1 35	19 34	1 31	5 9	0 9	0 45	1 16	22 38	0 53	8 12	0 31	10 44	1 54	24 3	16 50	4 8	3 42	4 34		n.a.
T 14	23 0	12 12	2 22	22 21	1 31	19 13	1 30	4 53	0 8	0 42	1 16	22 37	0 53	8 12	0 31	10 44	1 54	24 2	16 49	4 10	3 43	4 36		n.a.
F 15	22 54	8 24	1 13	21 55	1 26	18 52	1 29	4 37	0 7	0 39	1 15	22 36	0 53	8 13	0 31	10 44	1 54	24 1	16 49	4 11	3 45	4 38		n.a.
S 16	22 47	4 7	0s 1	21 27	1 22	18 30	1 28	4 21	0 6	0 36	1 15	22 35	0 53	8 13	0 31	10 44	1 54	24 0	16 49	4 12	3 46	4 40		n.a.
S 17	22 40	0n24	1 16	20 59	1 16	18 8	1 27	4 5	0 5	0 33	1 15	22 34	0 53	8 13	0 31	10 44	1 54	23 59	16 48	4 11	3 47	4 42		n.a.
M18	22 33	4 54	2 26	20 29	1 11	17 45	1 26	3 48	0 4	0 30	1 15	22 32	0 53	8 14	0 31	10 44	1 54	23 58	16 48	4 11	3 48	4 44		n.a.
T 19	22 25	9 8	3 27	19 59	1 5	17 21	1 25	3 32	0 3	0 27	1 14	22 31	0 53	8 14	0 31	10 44	1 54	23 57	16 47	4 12	3 50	4 45		n.a.
W20	22 17	12 50	4 16	19 28	0 59	16 57	1 23	3 16	0 2	0 23	1 14	22 30	0 54	8 14	0 31	10 44	1 54	23 56	16 47	4 13	3 51	4 47		n.a.
T 21	22 8	15 47	4 49	18 56	0 53	16 33	1 22	3 0	0 1	0 20	1 14	22 29	0 54	8 14	0 31	10 44	1 53	23 54	16 47	4 15	3 52	4 49		n.a.
F 22	21 59	17 47	5 4	18 23	0 46	16 8	1 21	2 43	0 1	0 17	1 14	22 27	0 54	8 15	0 32	10 45	1 53	23 53	16 46	4 17	3 54	4 51		n.a.
S 23	21 49	18 43	5 1	17 50	0 39	15 43	1 19	2 27	0s 0	0 13	1 13	22 26	0 54	8 15	0 32	10 45	1 53	23 52	16 46	4 21	3 55	4 53		n.a.
S 24	21 39	18 32	4 42	17 16	0 32	15 18	1 18	2 10	0 1	0 10	1 13	22 25	0 54	8 15	0 32	10 45	1 53	23 51	16 45	4 25	3 56	4 55		n.a.
M25	21 29	17 19	4 6	16 41	0 24	14 52	1 16	1 54	0 2	0 6	1 13	22 23	0 54	8 15	0 32	10 45	1 53	23 50	16 45	4 28	3 57	4 57		n.a.
T 26	21 19	15 12	3 19	16 7	0 17	14 25	1 14	1 37	0 3	0 2	1 13	22 22	0 54	8 15	0 32	10 45	1 53	23 49	16 45	4 31	3 59	4 58		n.a.
W27	21 8	12 23	2 22	15 32	0 9	13 59	1 13	1 20	0 4	0s 1	1 12	22 21	0 54	8 16	0 32	10 45	1 53	23 48	16 44	4 33	4 0	5 0		n.a.
T 28	20 56	9 3	1 19	14 57	0 1	13 32	1 11	1 3	0 5	0 5	1 12	22 20	0 54	8 16	0 32	10 45	1 53	23 47	16 44	4 35	4 1	5 2		n.a.
F 29	20 44	5 24	0 14	14 21	0s 7	13 4	1 9	0 47	0 6	0 9	1 12	22 18	0 54	8 16	0 32	10 45	1 53	23 46	16 44	4 35	4 2	5 4		n.a.
S 30	20 32	1 36	0n51	13 46	0 16	12 37	1 7	0 30	0 7	0 12	1 12	22 17	0 54	8 16	0 32	10 45	1 53	23 45	16 43	4 35	4 4	5 6		n.a.
S 31	20n20	2s13	1n53	13n10	0s24	12n 8	1n 5	0n13	0s 8	0s16	1n12	22n16	0n54	8n16	0s32	10s46	1n53	23n44	16n43	4n35	4n 5	5s 8		n.a.

Julian Day Number = 1539709.5, Delta T = 04h38m35s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'38, Lahiri = -10°49'37 Julian Calendar 1 July 498 BCE == Greg. Calendar 26 June 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

AUGUST 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 12 33	1♌21'13	21♎38	25♌48	2♍34	29♍50	3♎32	25♋22	22♈12	2♏35	8♍53	18♍36	19♍46	18♎50	n.a.	M 1
T 2	20 16 30	2°19'24	3♏29	27° 8	3°47	0♎30	3°41	25°29	22°13	2°35	8°55	18°R36	19°43	18°56	n.a.	T 2
W 3	20 20 27	3°17'36	15°26	28°26	4°59	1°10	3°51	25°37	22°13	2°35	8°57	18°35	19°40	19° 3	n.a.	W 3
T 4	20 24 23	4°15'50	27°35	29°42	6°12	1°50	4° 0	25°44	22°R13	2°36	8°59	18°32	19°37	19°10	n.a.	T 4
F 5	20 28 20	5°14'05	10♐ 0	0♍57	7°24	2°31	4°10	25°52	22°13	2°36	9° 1	18°28	19°33	19°16	n.a.	F 5
S 6	20 32 16	6°12'22	22°44	2°10	8°37	3°11	4°19	25°59	22°13	2°37	9° 3	18°22	19°30	19°23	n.a.	S 6
S 7	20 36 13	7°10'41	5♑49	3°21	9°49	3°52	4°29	26° 7	22°12	2°37	9° 5	18°15	19°27	19°30	n.a.	S 7
M 8	20 40 9	8° 9'02	19°15	4°30	11° 2	4°32	4°39	26°14	22°12	2°38	9° 7	18° 9	19°24	19°36	n.a.	M 8
T 9	20 44 6	9° 7'25	3♒ 2	5°37	12°14	5°13	4°49	26°22	22°12	2°38	9° 9	18° 3	19°21	19°43	n.a.	T 9
W10	20 48 2	10° 5'49	17° 6	6°42	13°27	5°54	4°59	26°29	22°12	2°39	9°11	17°58	19°17	19°50	n.a.	W10
T 11	20 51 59	11° 4'16	1♓23	7°44	14°39	6°35	5° 9	26°36	22°11	2°40	9°14	17°55	19°14	19°56	n.a.	T 11
F 12	20 55 56	12° 2'44	15°47	8°45	15°52	7°15	5°19	26°44	22°11	2°40	9°16	17°D54	19°11	20° 3	n.a.	F 12
S 13	20 59 52	13° 1'15	0♈13	9°42	17° 4	7°57	5°29	26°51	22°11	2°41	9°18	17°55	19° 8	20°10	n.a.	S 13
S 14	21 3 49	13°59'48	14°37	10°37	18°16	8°38	5°40	26°59	22°10	2°42	9°20	17°56	19° 5	20°16	n.a.	S 14
M15	21 7 45	14°58'24	28°56	11°29	19°29	9°19	5°50	27° 6	22°10	2°42	9°22	17°57	19° 2	20°23	n.a.	M15
T 16	21 11 42	15°57'01	13♉ 7	12°17	20°41	10° 0	6° 1	27°13	22° 9	2°43	9°24	17°R58	18°58	20°30	n.a.	T 16
W17	21 15 38	16°55'42	27° 9	13° 3	21°53	10°42	6°11	27°21	22° 9	2°44	9°27	17°58	18°55	20°36	n.a.	W17
T 18	21 19 35	17°54'24	11♊ 0	13°44	23° 5	11°23	6°22	27°28	22° 8	2°45	9°29	17°56	18°52	20°43	n.a.	T 18
F 19	21 23 31	18°53'09	24°39	14°22	24°17	12° 5	6°33	27°35	22° 7	2°46	9°31	17°53	18°49	20°50	n.a.	F 19
S 20	21 27 28	19°51'57	8♋ 6	14°55	25°29	12°47	6°44	27°42	22° 6	2°47	9°33	17°49	18°46	20°56	n.a.	S 20
S 21	21 31 25	20°50'46	21°20	15°23	26°41	13°29	6°55	27°49	22° 6	2°48	9°36	17°45	18°43	21° 3	n.a.	S 21
M22	21 35 21	21°49'38	4♌19	15°47	27°54	14°10	7° 6	27°57	22° 5	2°49	9°38	17°40	18°39	21°10	n.a.	M22
T 23	21 39 18	22°48'32	17° 5	16° 5	29° 6	14°52	7°17	28° 4	22° 4	2°50	9°40	17°37	18°36	21°16	n.a.	T 23
W24	21 43 14	23°47'29	29°37	16°18	0♎18	15°35	7°28	28°11	22° 3	2°51	9°43	17°35	18°33	21°23	n.a.	W24
T 25	21 47 11	24°46'27	11♍56	16°R24	1°29	16°17	7°40	28°18	22° 2	2°52	9°45	17°D34	18°30	21°30	n.a.	T 25
F 26	21 51 7	25°45'27	24° 2	16°23	2°41	16°59	7°51	28°25	22° 1	2°53	9°47	17°34	18°27	21°36	n.a.	F 26
S 27	21 55 4	26°44'30	6♎ 0	16°16	3°53	17°41	8° 2	28°32	22° 0	2°54	9°49	17°34	18°23	21°43	n.a.	S 27
S 28	21 59 0	27°43'34	17°51	16° 2	5° 5	18°24	8°14	28°39	21°59	2°55	9°52	17°36	18°20	21°50	n.a.	S 28
M29	22 2 57	28°42'40	29°40	15°40	6°17	19° 6	8°25	28°46	21°57	2°56	9°54	17°38	18°17	21°56	n.a.	M29
T 30	22 6 53	29°41'49	11♏29	15°10	7°29	19°49	8°37	28°53	21°56	2°58	9°56	17°39	18°14	22° 3	n.a.	T 30
W31	22 10 50	0♍40'59	23♏25	14♍32	8♎40	20♎32	8♎49	29♋ 0	21♈55	2♏59	9♍59	17♍40	18♍11	22♎10	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	20n 7	5s56	2n49	12n34	0s33	11n40	1n 3	0s 4	0s 9	0s20	1n11	22n14	0n55	8n16	0s32	10s46	1n53	23n43	16n43	4n34	4n 6	5s 9			n.a.
T 2	19 54	9 25	3 39	11 59	0 41	11 11	1 1	0 21	0 10	0 24	1 11	22 13	0 55	8 16	0 32	10 46	1 53	23 42	16 42	4 34	4 7	5 11			n.a.
W 3	19 40	12 32	4 20	11 24	0 50	10 42	0 58	0 38	0 10	0 28	1 11	22 12	0 55	8 16	0 32	10 46	1 53	23 41	16 42	4 34	4 9	5 13			n.a.
T 4	19 27	15 11	4 49	10 48	0 59	10 13	0 56	0 55	0 11	0 32	1 11	22 10	0 55	8 16	0 32	10 46	1 53	23 40	16 42	4 35	4 10	5 15			n.a.
F 5	19 12	17 11	5 6	10 13	1 8	9 44	0 54	1 12	0 12	0 36	1 10	22 9	0 55	8 16	0 32	10 47	1 52	23 39	16 42	4 37	4 11	5 17			n.a.
S 6	18 58	18 25	5 9	9 39	1 17	9 14	0 51	1 29	0 13	0 40	1 10	22 8	0 55	8 16	0 32	10 47	1 52	23 38	16 41	4 39	4 12	5 19			n.a.
S 7	18 43	18 42	4 55	9 5	1 26	8 44	0 49	1 46	0 14	0 44	1 10	22 6	0 55	8 16	0 32	10 47	1 52	23 37	16 41	4 42	4 14	5 20			n.a.
M 8	18 28	17 58	4 26	8 31	1 35	8 14	0 46	2 3	0 15	0 48	1 10	22 5	0 55	8 16	0 32	10 47	1 52	23 36	16 41	4 45	4 15	5 22			n.a.
T 9	18 13	16 10	3 40	7 58	1 44	7 44	0 43	2 20	0 16	0 52	1 10	22 4	0 55	8 16	0 32	10 48	1 52	23 35	16 41	4 47	4 16	5 24			n.a.
W10	17 57	13 22	2 40	7 25	1 53	7 13	0 41	2 37	0 17	0 57	1 9	22 2	0 55	8 16	0 32	10 48	1 52	23 33	16 40	4 49	4 18	5 26			n.a.
T 11	17 41	9 44	1 29	6 54	2 2	6 42	0 38	2 55	0 17	1 1	1 9	22 1	0 55	8 15	0 32	10 48	1 52	23 32	16 40	4 50	4 19	5 28			n.a.
F 12	17 24	5 30	0 12	6 23	2 11	6 11	0 35	3 12	0 18	1 5	1 9	22 0	0 56	8 15	0 32	10 48	1 52	23 31	16 40	4 51	4 20	5 30			n.a.
S 13	17 8	0 56	1s 7	5 53	2 19	5 40	0 32	3 29	0 19	1 9	1 9	21 58	0 56	8 15	0 32	10 49	1 52	23 30	16 40	4 50	4 21	5 31			n.a.
S 14	16 51	3n40	2 21	5 24	2 28	5 9	0 30	3 46	0 20	1 14	1 9	21 57	0 56	8 15	0 32	10 49	1 52	23 29	16 39	4 50	4 23	5 33			n.a.
M15	16 33	8 2	3 26	4 57	2 37	4 38	0 27	4 3	0 21	1 18	1 8	21 56	0 56	8 15	0 32	10 49	1 52	23 28	16 39	4 49	4 24	5 35			n.a.
T 16	16 16	11 54	4 17	4 30	2 45	4 6	0 24	4 21	0 21	1 22	1 8	21 54	0 56	8 15	0 32	10 50	1 52	23 27	16 39	4 49	4 25	5 37			n.a.
W17	15 58	15 2	4 53	4 5	2 53	3 35	0 21	4 38	0 22	1 27	1 8	21 53	0 56	8 14	0 32	10 50	1 52	23 26	16 39	4 49	4 26	5 39			n.a.
T 18	15 40	17 15	5 11	3 42	3 1	3 3	0 18	4 55	0 23	1 31	1 8	21 52	0 56	8 14	0 32	10 50	1 52	23 25	16 39	4 50	4 28	5 40			n.a.
F 19	15 22	18 28	5 11	3 21	3 8	2 31	0 14	5 12	0 24	1 36	1 8	21 50	0 56	8 14	0 32	10 51	1 52	23 24	16 38	4 51	4 29	5 42			n.a.
S 20	15 3	18 37	4 54	3 1	3 15	1 59	0 11	5 29	0 25	1 40	1 8	21 49	0 56	8 13	0 32	10 51	1 51	23 23	16 38	4 53	4 30	5 44			n.a.
S 21	14 44	17 44	4 21	2 44	3 22	1 27	0 8	5 47	0 25	1 45	1 7	21 48	0 57	8 13	0 32	10 52	1 51	23 22	16 38	4 54	4 31	5 46			n.a.
M22	14 25	15 56	3 36	2 29	3 28	0 55	0 5	6 4	0 26	1 50	1 7	21 46	0 57	8 13	0 32	10 52	1 51	23 21	16 38	4 56	4 33	5 48			n.a.
T 23	14 6	13 23	2 40	2 17	3 33	0 23	0 2	6 21	0 27	1 54	1 7	21 45	0 57	8 12	0 32	10 52	1 51	23 20	16 38	4 57	4 34	5 50			n.a.
W24	13 46	10 14	1 37	2 8	3 38	0s 9	0s 2	6 38	0 28	1 59	1 7	21 43	0 57	8 12	0 32	10 53	1 51	23 19	16 38	4 58	4 35	5 51			n.a.
T 25	13 26	6 42	0 31	2 2	3 42	0 41	0 5	6 55	0 29	2 4	1 7	21 42	0 57	8 12	0 32	10 53	1 51	23 18	16 38	4 59	4 36	5 53			n.a.
F 26	13 6	2 57	0n36	2 0	3 45	1 13	0 8	7 12	0 29	2 8	1 7	21 41	0 57	8 11	0 32	10 54	1 51	23 17	16 37	4 59	4 38	5 55			n.a.
S 27	12 46	0s53	1 40	2 1	3 47	1 45	0 12	7 29	0 30	2 13	1 6	21 40	0 57	8 11	0 32	10 54	1 51	23 16	16 37	4 58	4 39	5 57			n.a.
S 28	12 25	4 38	2 40	2 6	3 47	2 17	0 15	7 47	0 31	2 18	1 6	21 38	0 57	8 10	0 32	10 55	1 51	23 15	16 37	4 58	4 40	5 59			n.a.
M29	12 5	8 11	3 32	2 15	3 46	2 49	0 19	8 4	0 31	2 22	1 6	21 37	0 58	8 10	0 32	10 55	1 51	23 14	16 37	4 57	4 41	6 1			n.a.
T 30	11 44	11 25	4 16	2 29	3 44	3 21	0 22	8 21	0 32	2 27	1 6	21 36	0 58	8 9	0 32	10 56	1 51	23 13	16 37	4 57	4 43	6 2			n.a.
W31	11n22	14s13	4n49	2n47	3s40	3s52	0s26	8s38	0s33	2s32	1n 6	21n34	0n58	8n 9	0s32	10s56	1n51	23n12	16n37	4n56	4n44	6s 4			n.a.

Julian Day Number = 1539740.5, Delta T = 04h38m34s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'33, Lahiri = -10°49'33 Julian Calendar 1 Aug. 498 BCE == Greg. Calendar 27 July 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

SEPTEMBER 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 14 47	1♍40'11	5♐32	13°R48	9♎52	21♎14	9♎ 1	29♋ 6	21°R54	3♏ 0	10♍ 1	17°R40	18♍ 8	22♎16	n.a.	T 1
F 2	22 18 43	2°39'25	17°55	12♍56	11° 3	21°57	9°13	29°13	21♈52	3° 2	10° 3	17♍39	18° 4	22°23	n.a.	F 2
S 3	22 22 40	3°38'41	0♑37	11°57	12°15	22°40	9°24	29°20	21°51	3° 3	10° 6	17°38	18° 1	22°30	n.a.	S 3
S 4	22 26 36	4°37'59	13°43	10°54	13°26	23°23	9°36	29°27	21°49	3° 4	10° 8	17°37	17°58	22°36	n.a.	S 4
M 5	22 30 33	5°37'19	27°13	9°46	14°38	24° 6	9°48	29°33	21°48	3° 6	10°11	17°35	17°55	22°43	n.a.	M 5
T 6	22 34 29	6°36'40	11♒ 9	8°35	15°49	24°50	10° 1	29°40	21°46	3° 7	10°13	17°33	17°52	22°50	n.a.	T 6
W 7	22 38 26	7°36'04	25°27	7°24	17° 0	25°33	10°13	29°46	21°45	3° 9	10°15	17°32	17°49	22°56	n.a.	W 7
T 8	22 42 22	8°35'30	10♓ 4	6°14	18°12	26°16	10°25	29°53	21°43	3°10	10°18	17°32	17°45	23° 3	n.a.	T 8
F 9	22 46 19	9°34'58	24°53	5° 7	19°23	27° 0	10°37	29°59	21°42	3°11	10°20	17°D32	17°42	23°10	n.a.	F 9
S 10	22 50 15	10°34'28	9♈46	4° 6	20°34	27°43	10°50	0♌ 6	21°40	3°13	10°22	17°32	17°39	23°16	n.a.	S 10
S 11	22 54 12	11°34'00	24°35	3°11	21°45	28°27	11° 2	0°12	21°38	3°15	10°25	17°33	17°36	23°23	n.a.	S 11
M12	22 58 9	12°33'35	9♉15	2°24	22°56	29°10	11°14	0°18	21°36	3°16	10°27	17°33	17°33	23°30	n.a.	M12
T 13	23 2 5	13°33'12	23°40	1°47	24° 7	29°54	11°27	0°24	21°35	3°18	10°29	17°34	17°29	23°36	n.a.	T 13
W14	23 6 2	14°32'52	7♊48	1°21	25°18	0♏38	11°39	0°31	21°33	3°19	10°32	17°34	17°26	23°43	n.a.	W14
T 15	23 9 58	15°32'35	21°35	1° 6	26°29	1°21	11°52	0°37	21°31	3°21	10°34	17°R34	17°23	23°50	n.a.	T 15
F 16	23 13 55	16°32'19	5♋ 4	1°D 2	27°40	2° 5	12° 5	0°43	21°29	3°23	10°37	17°34	17°20	23°56	n.a.	F 16
S 17	23 17 51	17°32'06	18°14	1° 9	28°50	2°49	12°17	0°49	21°27	3°24	10°39	17°D34	17°17	24° 3	n.a.	S 17
S 18	23 21 48	18°31'56	1♌ 7	1°26	0♏ 1	3°33	12°30	0°55	21°25	3°26	10°41	17°34	17°14	24°10	n.a.	S 18
M19	23 25 44	19°31'47	13°46	1°54	1°12	4°18	12°43	1° 1	21°23	3°28	10°44	17°34	17°10	24°16	n.a.	M19
T 20	23 29 41	20°31'41	26°12	2°31	2°22	5° 2	12°56	1° 6	21°21	3°30	10°46	17°34	17° 7	24°23	n.a.	T 20
W21	23 33 38	21°31'37	8♍28	3°17	3°33	5°46	13° 8	1°12	21°19	3°31	10°48	17°34	17° 4	24°30	n.a.	W21
T 22	23 37 34	22°31'35	20°33	4°11	4°43	6°31	13°21	1°18	21°17	3°33	10°51	17°R34	17° 1	24°36	n.a.	T 22
F 23	23 41 31	23°31'35	2♎32	5°11	5°53	7°15	13°34	1°23	21°15	3°35	10°53	17°34	16°58	24°43	n.a.	F 23
S 24	23 45 27	24°31'37	14°25	6°18	7° 3	7°59	13°47	1°29	21°13	3°37	10°55	17°34	16°54	24°50	n.a.	S 24
S 25	23 49 24	25°31'41	26°14	7°30	8°14	8°44	14° 0	1°34	21°10	3°39	10°58	17°33	16°51	24°56	n.a.	S 25
M26	23 53 20	26°31'47	8♏ 2	8°47	9°24	9°29	14°13	1°40	21° 8	3°41	11° 0	17°31	16°48	25° 3	n.a.	M26
T 27	23 57 17	27°31'55	19°53	10° 8	10°34	10°13	14°26	1°45	21° 6	3°42	11° 2	17°30	16°45	25°10	n.a.	T 27
W28	0 1 13	28°32'05	1♐49	11°32	11°43	10°58	14°39	1°50	21° 4	3°44	11° 5	17°29	16°42	25°16	n.a.	W28
T 29	0 5 10	29°32'16	13°54	12°59	12°53	11°43	14°52	1°56	21° 1	3°46	11° 7	17°28	16°39	25°23	n.a.	T 29
F 30	0 9 6	0♎32'29	26♐12	14♍28	14♏ 3	12♏28	15♎ 5	2♌ 1	20♈59	3♏48	11♍ 9	17°D27	16♍35	25♎30	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n 1	16s26	5n10	3n10	3s34	4s24	0s29	8s55	0s34	2s37	1n 6	21n33	0n58	8n 8	0s32	10s56	1n51	23n11	16n37	4n56	4n45	6s 6		n.a.
F 2	10 40	17 56	5 17	3 37	3 27	4 56	0 33	9 11	0 34	2 42	1 5	21 32	0 58	8 8	0 32	10 57	1 51	23 10	16 37	4 56	4 46	6 8		n.a.
S 3	10 18	18 36	5 9	4 8	3 17	5 28	0 36	9 28	0 35	2 47	1 5	21 30	0 58	8 7	0 32	10 58	1 51	23 9	16 37	4 57	4 48	6 10		n.a.
S 4	9 56	18 19	4 45	4 43	3 5	5 59	0 40	9 45	0 36	2 52	1 5	21 29	0 58	8 7	0 32	10 58	1 51	23 8	16 37	4 58	4 49	6 11		n.a.
M 5	9 34	17 0	4 4	5 22	2 52	6 30	0 44	10 2	0 36	2 56	1 5	21 28	0 58	8 6	0 32	10 59	1 51	23 7	16 37	4 58	4 50	6 13		n.a.
T 6	9 12	14 38	3 9	6 3	2 36	7 2	0 47	10 19	0 37	3 1	1 5	21 27	0 59	8 6	0 32	10 59	1 50	23 6	16 37	4 59	4 52	6 15		n.a.
W 7	8 50	11 20	2 0	6 45	2 19	7 33	0 51	10 35	0 38	3 6	1 5	21 25	0 59	8 5	0 32	11 0	1 50	23 5	16 37	4 59	4 53	6 17		n.a.
T 8	8 27	7 15	0 41	7 28	2 1	8 4	0 54	10 52	0 38	3 11	1 5	21 24	0 59	8 4	0 32	11 0	1 50	23 4	16 37	4 59	4 54	6 19		n.a.
F 9	8 5	2 41	0s41	8 11	1 41	8 34	0 58	11 8	0 39	3 16	1 4	21 23	0 59	8 4	0 32	11 1	1 50	23 3	16 37	4 59	4 55	6 21		n.a.
S 10	7 42	2n 4	2 0	8 53	1 21	9 5	1 2	11 25	0 40	3 21	1 4	21 22	0 59	8 3	0 32	11 1	1 50	23 2	16 37	4 59	4 57	6 22		n.a.
S 11	7 19	6 41	3 12	9 32	1 1	9 35	1 5	11 41	0 40	3 26	1 4	21 20	0 59	8 2	0 32	11 2	1 50	23 1	16 37	4 59	4 58	6 24		n.a.
M12	6 56	10 49	4 10	10 8	0 40	10 6	1 9	11 58	0 41	3 31	1 4	21 19	0 59	8 2	0 32	11 3	1 50	23 0	16 37	4 59	4 59	6 26		n.a.
T 13	6 33	14 15	4 51	10 39	0 21	10 36	1 12	12 14	0 42	3 36	1 4	21 18	1 0	8 1	0 32	11 3	1 50	23 0	16 37	4 59	5 0	6 28		n.a.
W14	6 10	16 45	5 13	11 7	0 2	11 5	1 16	12 30	0 42	3 42	1 4	21 17	1 0	8 0	0 32	11 4	1 50	22 59	16 37	4 59	5 2	6 30		n.a.
T 15	5 46	18 12	5 17	11 29	0n16	11 35	1 20	12 46	0 43	3 47	1 4	21 15	1 0	8 0	0 32	11 4	1 50	22 58	16 37	4 59	5 3	6 31		n.a.
F 16	5 23	18 36	5 3	11 46	0 33	12 4	1 23	13 2	0 44	3 52	1 4	21 14	1 0	7 59	0 32	11 5	1 50	22 57	16 37	4 59	5 4	6 33		n.a.
S 17	4 59	17 59	4 34	11 58	0 49	12 33	1 27	13 18	0 44	3 57	1 3	21 13	1 0	7 58	0 32	11 6	1 50	22 56	16 37	4 59	5 5	6 35		n.a.
S 18	4 36	16 25	3 51	12 4	1 2	13 2	1 30	13 34	0 45	4 2	1 3	21 12	1 0	7 57	0 32	11 6	1 50	22 55	16 37	4 59	5 7	6 37		n.a.
M19	4 12	14 5	2 57	12 6	1 15	13 30	1 34	13 50	0 45	4 7	1 3	21 11	1 1	7 57	0 32	11 7	1 50	22 54	16 37	4 59	5 8	6 39		n.a.
T 20	3 48	11 8	1 56	12 3	1 26	13 58	1 37	14 5	0 46	4 12	1 3	21 10	1 1	7 56	0 32	11 7	1 50	22 54	16 37	4 58	5 9	6 40		n.a.
W21	3 24	7 44	0 50	11 55	1 35	14 26	1 41	14 21	0 47	4 17	1 3	21 9	1 1	7 55	0 33	11 8	1 50	22 53	16 38	4 58	5 10	6 42		n.a.
T 22	3 0	4 3	0n17	11 42	1 43	14 53	1 44	14 36	0 47	4 23	1 3	21 7	1 1	7 54	0 33	11 9	1 50	22 52	16 38	4 58	5 12	6 44		n.a.
F 23	2 36	0 14	1 22	11 26	1 50	15 21	1 47	14 52	0 48	4 28	1 3	21 6	1 1	7 53	0 33	11 9	1 50	22 51	16 38	4 58	5 13	6 46		n.a.
S 24	2 12	3s33	2 24	11 6	1 55	15 47	1 51	15 7	0 48	4 33	1 3	21 5	1 1	7 53	0 33	11 10	1 50	22 50	16 38	4 59	5 14	6 48		n.a.
S 25	1 48	7 11	3 19	10 42	1 59	16 14	1 54	15 22	0 49	4 38	1 3	21 4	1 2	7 52	0 33	11 11	1 50	22 50	16 38	4 59	5 15	6 49		n.a.
M26	1 24	10 31	4 5	10 16	2 2	16 40	1 57	15 37	0 49	4 43	1 2	21 3	1 2	7 51	0 33	11 11	1 50	22 49	16 38	5 0	5 17	6 51		n.a.
T 27	1 0	13 26	4 41	9 47	2 4	17 5	2 1	15 52	0 50	4 48	1 2	21 2	1 2	7 50	0 33	11 12	1 49	22 48	16 38	5 0	5 18	6 53		n.a.
W28	0 35	15 49	5 5	9 15	2 5	17 31	2 4	16 7	0 51	4 54	1 2	21 1	1 2	7 49	0 33	11 13	1 49	22 47	16 39	5 1	5 19	6 55		n.a.
T 29	0 11	17 32	5 16	8 42	2 5	17 55	2 7	16 21	0 51	4 59	1 2	21 0	1 2	7 48	0 33	11 14	1 49	22 47	16 39	5 1	5 20	6 57		n.a.
F 30	0s13	18s29	5n13	8n 6	2n 5	18s20	2s10	16s36	0s52	5s 4	1n 2	20n59	1n 2	7n48	0s33	11s14	1n49	22n46	16n39	5n 1	5n22	6s58		n.a.

Julian Day Number = 1539771.5, Delta T = 04h38m33s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'29, Lahiri = -10°49'29 Julian Calendar 1 Sept. 498 BCE == Greg. Calendar 27 Aug. 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

OCTOBER 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 13 3	1♎32'44	8♉49	15♍59	15♏13	13♏13	15♎19	2♌ 6	20°R57	3♏50	11♍11	17♍27	16♍32	25♎37	n.a.	S 1
S 2	0 17 0	2°33'00	21°47	17°32	16°22	13°58	15°32	2°11	20♈55	3°52	11°14	17°28	16°29	25°43	n.a.	S 2
M 3	0 20 56	3°33'18	5♒11	19° 6	17°31	14°43	15°45	2°16	20°52	3°54	11°16	17°29	16°26	25°50	n.a.	M 3
T 4	0 24 53	4°33'37	19° 2	20°41	18°41	15°28	15°58	2°20	20°50	3°56	11°18	17°30	16°23	25°57	n.a.	T 4
W 5	0 28 49	5°33'58	3♓20	22°16	19°50	16°13	16°11	2°25	20°47	3°58	11°20	17°31	16°20	26° 3	n.a.	W 5
T 6	0 32 46	6°34'21	18° 2	23°52	20°59	16°58	16°25	2°30	20°45	4° 0	11°23	17°R32	16°16	26°10	n.a.	T 6
F 7	0 36 42	7°34'45	3♈ 3	25°29	22° 8	17°44	16°38	2°34	20°43	4° 2	11°25	17°31	16°13	26°17	n.a.	F 7
S 8	0 40 39	8°35'11	18°15	27° 6	23°17	18°29	16°51	2°39	20°40	4° 4	11°27	17°30	16°10	26°23	n.a.	S 8
S 9	0 44 35	9°35'39	3♉27	28°43	24°25	19°15	17° 5	2°43	20°38	4° 7	11°29	17°27	16° 7	26°30	n.a.	S 9
M10	0 48 32	10°36'09	18°30	0♊20	25°34	20° 0	17°18	2°48	20°35	4° 9	11°31	17°24	16° 4	26°37	n.a.	M10
T 11	0 52 29	11°36'40	3♊15	1°58	26°42	20°46	17°31	2°52	20°33	4°11	11°33	17°21	16° 0	26°43	n.a.	T 11
W12	0 56 25	12°37'14	17°37	3°35	27°50	21°31	17°45	2°56	20°30	4°13	11°35	17°18	15°57	26°50	n.a.	W12
T 13	1 0 22	13°37'50	1♋33	5°12	28°59	22°17	17°58	3° 0	20°28	4°15	11°38	17°16	15°54	26°57	n.a.	T 13
F 14	1 4 18	14°38'27	15° 2	6°49	0♐ 7	23° 2	18°11	3° 4	20°25	4°17	11°40	17°D16	15°51	27° 3	n.a.	F 14
S 15	1 8 15	15°39'07	28° 7	8°26	1°14	23°48	18°25	3° 8	20°23	4°19	11°42	17°16	15°48	27°10	n.a.	S 15
S 16	1 12 11	16°39'48	10♌51	10° 2	2°22	24°34	18°38	3°12	20°20	4°21	11°44	17°18	15°45	27°17	n.a.	S 16
M17	1 16 8	17°40'31	23°17	11°39	3°30	25°20	18°52	3°15	20°18	4°24	11°46	17°19	15°41	27°23	n.a.	M17
T 18	1 20 4	18°41'16	5♍29	13°15	4°37	26° 6	19° 5	3°19	20°15	4°26	11°48	17°21	15°38	27°30	n.a.	T 18
W19	1 24 1	19°42'02	17°32	14°51	5°44	26°52	19°18	3°22	20°13	4°28	11°50	17°R22	15°35	27°37	n.a.	W19
T 20	1 27 57	20°42'50	29°27	16°27	6°51	27°38	19°32	3°26	20°10	4°30	11°52	17°21	15°32	27°43	n.a.	T 20
F 21	1 31 54	21°43'40	11♎19	18° 3	7°58	28°24	19°45	3°29	20° 8	4°32	11°54	17°18	15°29	27°50	n.a.	F 21
S 22	1 35 51	22°44'30	23° 8	19°38	9° 5	29°10	19°59	3°32	20° 5	4°35	11°56	17°14	15°25	27°57	n.a.	S 22
S 23	1 39 47	23°45'23	4♏57	21°13	10°11	29°56	20°12	3°35	20° 3	4°37	11°57	17° 8	15°22	28° 3	n.a.	S 23
M24	1 43 44	24°46'17	16°48	22°48	11°17	0♐42	20°25	3°38	20° 0	4°39	11°59	17° 1	15°19	28°10	n.a.	M24
T 25	1 47 40	25°47'11	28°43	24°23	12°24	1°28	20°39	3°41	19°58	4°41	12° 1	16°53	15°16	28°17	n.a.	T 25
W26	1 51 37	26°48'07	10♐43	25°58	13°29	2°15	20°52	3°44	19°55	4°44	12° 3	16°45	15°13	28°23	n.a.	W26
T 27	1 55 33	27°49'05	22°51	27°33	14°35	3° 1	21° 6	3°47	19°53	4°46	12° 5	16°39	15°10	28°30	n.a.	T 27
F 28	1 59 30	28°50'03	5♑10	29° 7	15°40	3°47	21°19	3°50	19°50	4°48	12° 7	16°34	15° 6	28°37	n.a.	F 28
S 29	2 3 26	29°51'02	17°43	0♏42	16°46	4°34	21°32	3°52	19°48	4°50	12° 8	16°32	15° 3	28°44	n.a.	S 29
S 30	2 7 23	0♏52'02	0♒34	2°16	17°51	5°20	21°46	3°54	19°45	4°53	12°10	16°D31	15° 0	28°50	n.a.	S 30
M31	2 11 20	1♏53'03	13♒48	3♏50	18♐55	6♐ 7	21♎59	3♌57	19♈43	4♏55	12♍12	16♍31	14♍57	28♎57	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s37	18s33	4n55	7n29	2n 3	18s44	2s13	16s50	0s52	5s 9	1n 2	20n58	1n 3	7n47	0s33	11s15	1n49	22n45	16n39	5n 1	5n23	7s 0		n.a.
S 2	1 2	17 39	4 22	6 51	2 1	19 7	2 16	17 4	0 53	5 15	1 2	20 57	1 3	7 46	0 33	11 16	1 49	22 44	16 39	5 1	5 24	7 2		n.a.
M 3	1 26	15 46	3 34	6 11	1 59	19 30	2 19	17 18	0 53	5 20	1 2	20 56	1 3	7 45	0 33	11 16	1 49	22 44	16 40	5 0	5 25	7 4		n.a.
T 4	1 50	12 55	2 31	5 31	1 56	19 53	2 22	17 32	0 54	5 25	1 2	20 55	1 3	7 44	0 33	11 17	1 49	22 43	16 40	5 0	5 27	7 6		n.a.
W 5	2 14	9 13	1 18	4 49	1 52	20 15	2 25	17 46	0 54	5 30	1 2	20 54	1 3	7 43	0 33	11 18	1 49	22 42	16 40	5 0	5 28	7 7		n.a.
T 6	2 39	4 50	0s 3	4 7	1 48	20 36	2 27	18 0	0 55	5 35	1 2	20 53	1 3	7 42	0 33	11 19	1 49	22 42	16 40	4 59	5 29	7 9		n.a.
F 7	3 3	0 4	1 25	3 24	1 44	20 57	2 30	18 13	0 55	5 41	1 1	20 52	1 4	7 41	0 33	11 19	1 49	22 41	16 41	5 0	5 30	7 11		n.a.
S 8	3 27	4n46	2 42	2 40	1 39	21 18	2 33	18 27	0 56	5 46	1 1	20 52	1 4	7 40	0 33	11 20	1 49	22 40	16 41	5 0	5 32	7 13		n.a.
S 9	3 51	9 16	3 47	1 57	1 34	21 38	2 35	18 40	0 56	5 51	1 1	20 51	1 4	7 39	0 33	11 21	1 49	22 40	16 41	5 1	5 33	7 15		n.a.
M10	4 15	13 8	4 36	1 13	1 29	21 57	2 38	18 53	0 56	5 56	1 1	20 50	1 4	7 38	0 33	11 21	1 49	22 39	16 41	5 3	5 34	7 16		n.a.
T 11	4 39	16 5	5 5	0 29	1 23	22 16	2 40	19 5	0 57	6 2	1 1	20 49	1 4	7 38	0 33	11 22	1 49	22 39	16 42	5 4	5 35	7 18		n.a.
W12	5 3	17 57	5 15	0s16	1 17	22 34	2 42	19 18	0 57	6 7	1 1	20 48	1 5	7 37	0 33	11 23	1 49	22 38	16 42	5 5	5 37	7 20		n.a.
T 13	5 27	18 40	5 5	1 0	1 11	22 52	2 44	19 31	0 58	6 12	1 1	20 48	1 5	7 36	0 33	11 24	1 49	22 38	16 42	5 6	5 38	7 22		n.a.
F 14	5 51	18 17	4 39	1 45	1 5	23 9	2 46	19 43	0 58	6 17	1 1	20 47	1 5	7 35	0 33	11 24	1 49	22 37	16 43	5 6	5 39	7 24		n.a.
S 15	6 14	16 55	3 58	2 29	0 59	23 25	2 48	19 55	0 59	6 22	1 1	20 46	1 5	7 34	0 33	11 25	1 49	22 37	16 43	5 6	5 40	7 25		n.a.
S 16	6 38	14 44	3 7	3 13	0 53	23 41	2 50	20 7	0 59	6 28	1 1	20 45	1 5	7 33	0 33	11 26	1 49	22 36	16 43	5 5	5 42	7 27		n.a.
M17	7 1	11 55	2 8	3 57	0 46	23 57	2 52	20 18	0 59	6 33	1 1	20 45	1 5	7 32	0 33	11 27	1 49	22 35	16 44	5 4	5 43	7 29		n.a.
T 18	7 25	8 37	1 5	4 41	0 40	24 11	2 54	20 30	1 0	6 38	1 1	20 44	1 6	7 31	0 33	11 28	1 49	22 35	16 44	5 4	5 44	7 31		n.a.
W19	7 48	5 0	0n 1	5 25	0 33	24 25	2 56	20 41	1 0	6 43	1 1	20 43	1 6	7 30	0 33	11 28	1 49	22 35	16 44	5 3	5 45	7 33		n.a.
T 20	8 11	1 13	1 6	6 8	0 27	24 39	2 57	20 52	1 1	6 48	1 1	20 43	1 6	7 29	0 33	11 29	1 49	22 34	16 45	5 4	5 47	7 34		n.a.
F 21	8 35	2s35	2 7	6 51	0 20	24 51	2 58	21 3	1 1	6 54	1 1	20 42	1 6	7 28	0 32	11 30	1 49	22 34	16 45	5 5	5 48	7 36		n.a.
S 22	8 57	6 17	3 3	7 34	0 14	25 4	3 0	21 14	1 1	6 59	1 1	20 42	1 6	7 27	0 32	11 31	1 49	22 33	16 45	5 6	5 49	7 38		n.a.
S 23	9 20	9 44	3 50	8 16	0 7	25 15	3 1	21 24	1 2	7 4	1 0	20 41	1 7	7 26	0 32	11 31	1 49	22 33	16 46	5 9	5 50	7 40		n.a.
M24	9 43	12 48	4 28	8 58	0 1	25 26	3 2	21 35	1 2	7 9	1 0	20 41	1 7	7 25	0 32	11 32	1 49	22 32	16 46	5 12	5 52	7 42		n.a.
T 25	10 5	15 21	4 54	9 40	0s 6	25 36	3 3	21 45	1 2	7 14	1 0	20 40	1 7	7 24	0 32	11 33	1 49	22 32	16 47	5 15	5 53	7 43		n.a.
W26	10 28	17 16	5 8	10 21	0 13	25 45	3 4	21 54	1 3	7 19	1 0	20 40	1 7	7 23	0 32	11 34	1 49	22 32	16 47	5 18	5 54	7 45		n.a.
T 27	10 50	18 26	5 8	11 2	0 19	25 54	3 4	22 4	1 3	7 24	1 0	20 39	1 7	7 22	0 32	11 34	1 49	22 31	16 47	5 20	5 55	7 47		n.a.
F 28	11 12	18 46	4 54	11 42	0 25	26 2	3 5	22 13	1 3	7 29	1 0	20 39	1 8	7 21	0 32	11 35	1 49	22 31	16 48	5 22	5 57	7 49		n.a.
S 29	11 34	18 11	4 25	12 22	0 32	26 9	3 5	22 22	1 4	7 35	1 0	20 38	1 8	7 21	0 32	11 36	1 49	22 31	16 48	5 23	5 58	7 50		n.a.
S 30	11 56	16 40	3 43	13 1	0 38	26 16	3 6	22 31	1 4	7 40	1 0	20 38	1 8	7 20	0 32	11 37	1 49	22 30	16 49	5 23	5 59	7 52		n.a.
M31	12s17	14s14	2n48	13s39	0s44	26s22	3s 6	22s40	1s 4	7s45	1n 0	20n38	1n 8	7n19	0s32	11s37	1n49	22n30	16n49	5n23	6n 0	7s54		n.a.

Julian Day Number = 1539801.5, Delta T = 04h38m31s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'25, Lahiri = -10°49'25 Julian Calendar 1 Oct. 498 BCE == Greg. Calendar 26 Sept. 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

NOVEMBER 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 15 16	2♏54'04	27♒26	5♏25	20♐ 0	6♐53	22♎12	3♌59	19°R41	4♏57	12♍14	16♍33	14♍54	29♎ 4	n.a.	T 1
W 2	2 19 13	3°55'06	11♓31	6°59	21° 4	7°40	22°26	4° 1	19♈38	4°59	12°15	16°R34	14°51	29°10	n.a.	W 2
T 3	2 23 9	4°56'09	26° 2	8°33	22° 8	8°26	22°39	4° 3	19°36	5° 2	12°17	16°33	14°47	29°17	n.a.	T 3
F 4	2 27 6	5°57'13	10♈57	10° 7	23°11	9°13	22°52	4° 5	19°33	5° 4	12°19	16°31	14°44	29°24	n.a.	F 4
S 5	2 31 2	6°58'17	26° 9	11°41	24°14	10° 0	23° 5	4° 7	19°31	5° 6	12°20	16°26	14°41	29°30	n.a.	S 5
S 6	2 34 59	7°59'22	11♉28	13°15	25°17	10°46	23°19	4° 8	19°29	5° 8	12°22	16°20	14°38	29°37	n.a.	S 6
M 7	2 38 55	9° 0'29	26°43	14°49	26°20	11°33	23°32	4°10	19°26	5°11	12°23	16°11	14°35	29°44	n.a.	M 7
T 8	2 42 52	10° 1'36	11♊44	16°24	27°22	12°20	23°45	4°11	19°24	5°13	12°25	16° 3	14°31	29°50	n.a.	T 8
W 9	2 46 49	11° 2'44	26°22	17°58	28°24	13° 7	23°58	4°13	19°22	5°15	12°26	15°55	14°28	29°57	n.a.	W 9
T 10	2 50 45	12° 3'53	10♋31	19°32	29°25	13°53	24°11	4°14	19°19	5°18	12°28	15°48	14°25	0♏ 4	n.a.	T 10
F 11	2 54 42	13° 5'03	24° 9	21° 7	0♑26	14°40	24°24	4°15	19°17	5°20	12°29	15°44	14°22	0°10	n.a.	F 11
S 12	2 58 38	14° 6'14	7♌18	22°41	1°27	15°27	24°37	4°16	19°15	5°22	12°30	15°43	14°19	0°17	n.a.	S 12
S 13	3 2 35	15° 7'26	20° 2	24°16	2°27	16°14	24°50	4°17	19°13	5°24	12°32	15°D42	14°16	0°24	n.a.	S 13
M14	3 6 31	16° 8'39	2♍25	25°50	3°27	17° 1	25° 3	4°18	19°11	5°26	12°33	15°43	14°12	0°30	n.a.	M14
T 15	3 10 28	17° 9'53	14°32	27°25	4°26	17°48	25°16	4°19	19° 8	5°29	12°34	15°R44	14° 9	0°37	n.a.	T 15
W16	3 14 25	18°11'07	26°29	28°59	5°25	18°35	25°29	4°19	19° 6	5°31	12°36	15°43	14° 6	0°44	n.a.	W16
T 17	3 18 21	19°12'22	8♎19	0♐34	6°24	19°22	25°42	4°20	19° 4	5°33	12°37	15°40	14° 3	0°51	n.a.	T 17
F 18	3 22 18	20°13'37	20° 7	2° 8	7°22	20° 9	25°55	4°20	19° 2	5°35	12°38	15°35	14° 0	0°57	n.a.	F 18
S 19	3 26 14	21°14'54	1♏55	3°42	8°19	20°56	26° 8	4°20	19° 0	5°38	12°39	15°26	13°56	1° 4	n.a.	S 19
S 20	3 30 11	22°16'10	13°47	5°17	9°16	21°43	26°21	4°20	18°58	5°40	12°40	15°15	13°53	1°11	n.a.	S 20
M21	3 34 7	23°17'27	25°44	6°51	10°13	22°30	26°33	4°R20	18°56	5°42	12°42	15° 2	13°50	1°17	n.a.	M21
T 22	3 38 4	24°18'44	7♐47	8°24	11° 8	23°17	26°46	4°20	18°54	5°44	12°43	14°49	13°47	1°24	n.a.	T 22
W23	3 42 0	25°20'02	19°56	9°57	12° 4	24° 4	26°59	4°20	18°52	5°46	12°44	14°35	13°44	1°31	n.a.	W23
T 24	3 45 57	26°21'19	2♑14	11°30	12°58	24°51	27°11	4°20	18°50	5°48	12°45	14°23	13°41	1°37	n.a.	T 24
F 25	3 49 54	27°22'37	14°42	13° 2	13°52	25°39	27°24	4°19	18°49	5°51	12°46	14°13	13°37	1°44	n.a.	F 25
S 26	3 53 50	28°23'54	27°21	14°33	14°46	26°26	27°36	4°19	18°47	5°53	12°47	14° 7	13°34	1°51	n.a.	S 26
S 27	3 57 47	29°25'12	10♒13	16° 3	15°38	27°13	27°49	4°18	18°45	5°55	12°47	14° 3	13°31	1°57	n.a.	S 27
M28	4 1 43	0♐26'29	23°22	17°32	16°30	28° 0	28° 1	4°17	18°43	5°57	12°48	14° 1	13°28	2° 4	n.a.	M28
T 29	4 5 40	1°27'45	6♓51	18°59	17°21	28°47	28°13	4°17	18°42	5°59	12°49	14° 1	13°25	2°11	n.a.	T 29
W30	4 9 36	2♐29'02	20♓41	20♐24	18♑11	29♐35	28♎26	4♌16	18♈40	6♏ 1	12♍50	14♍ 1	13♍22	2♏17	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s38	10s56	1n42	14s17	0s50	26s27	3s 6	22s48	1s 5	7s50	1n 0	20n37	1n 9	7n18	0s32	11s38	1n49	22n30	16n50	5n23	6n 2	7s56		n.a.
W 2	12 59	6 55	0 27	14 54	0 56	26 32	3 6	22 56	1 5	7 55	1 0	20 37	1 9	7 17	0 32	11 39	1 49	22 30	16 50	5 22	6 3	7 58		n.a.
T 3	13 20	2 22	0s51	15 31	1 2	26 36	3 5	23 4	1 5	8 0	1 0	20 37	1 9	7 16	0 32	11 40	1 49	22 29	16 50	5 22	6 4	7 59		n.a.
F 4	13 41	2n26	2 8	16 7	1 8	26 39	3 5	23 12	1 5	8 5	1 0	20 36	1 9	7 15	0 32	11 41	1 49	22 29	16 51	5 23	6 5	8 1		n.a.
S 5	14 1	7 11	3 17	16 42	1 13	26 42	3 4	23 19	1 6	8 10	1 0	20 36	1 9	7 14	0 32	11 41	1 49	22 29	16 51	5 25	6 6	8 3		n.a.
S 6	14 21	11 29	4 12	17 16	1 19	26 44	3 4	23 26	1 6	8 15	1 0	20 36	1 10	7 13	0 32	11 42	1 49	22 29	16 52	5 28	6 8	8 5		n.a.
M 7	14 41	15 0	4 49	17 50	1 24	26 45	3 3	23 33	1 6	8 20	1 0	20 36	1 10	7 12	0 32	11 43	1 49	22 29	16 52	5 31	6 9	8 6		n.a.
T 8	15 1	17 27	5 5	18 23	1 29	26 45	3 2	23 40	1 6	8 25	1 0	20 36	1 10	7 12	0 32	11 44	1 49	22 28	16 53	5 34	6 10	8 8		n.a.
W 9	15 20	18 41	5 1	18 54	1 34	26 45	3 1	23 46	1 7	8 29	1 0	20 36	1 10	7 11	0 32	11 44	1 49	22 28	16 53	5 38	6 11	8 10		n.a.
T 10	15 39	18 42	4 38	19 25	1 39	26 44	2 59	23 52	1 7	8 34	1 0	20 35	1 10	7 10	0 32	11 45	1 49	22 28	16 54	5 40	6 13	8 12		n.a.
F 11	15 58	17 37	4 0	19 55	1 43	26 43	2 58	23 58	1 7	8 39	1 0	20 35	1 11	7 9	0 32	11 46	1 49	22 28	16 54	5 42	6 14	8 13		n.a.
S 12	16 17	15 37	3 11	20 24	1 47	26 40	2 56	24 4	1 7	8 44	1 0	20 35	1 11	7 8	0 32	11 47	1 49	22 28	16 55	5 42	6 15	8 15		n.a.
S 13	16 35	12 53	2 13	20 52	1 51	26 38	2 54	24 9	1 8	8 49	1 0	20 35	1 11	7 7	0 32	11 47	1 49	22 28	16 55	5 42	6 16	8 17		n.a.
M14	16 53	9 39	1 11	21 19	1 55	26 34	2 52	24 14	1 8	8 54	1 0	20 35	1 11	7 6	0 32	11 48	1 49	22 28	16 56	5 42	6 18	8 19		n.a.
T 15	17 11	6 4	0 6	21 45	1 58	26 30	2 49	24 19	1 8	8 58	1 0	20 35	1 11	7 6	0 32	11 49	1 49	22 28	16 56	5 42	6 19	8 21		n.a.
W16	17 28	2 17	0n57	22 10	2 1	26 25	2 47	24 23	1 8	9 3	1 0	20 35	1 12	7 5	0 32	11 50	1 49	22 28	16 57	5 42	6 20	8 22		n.a.
T 17	17 45	1s33	1 58	22 33	2 4	26 20	2 44	24 27	1 8	9 8	1 0	20 36	1 12	7 4	0 32	11 50	1 49	22 28	16 57	5 43	6 21	8 24		n.a.
F 18	18 2	5 18	2 53	22 55	2 6	26 14	2 41	24 31	1 8	9 13	1 0	20 36	1 12	7 3	0 32	11 51	1 49	22 28	16 58	5 45	6 23	8 26		n.a.
S 19	18 18	8 52	3 40	23 16	2 8	26 7	2 38	24 35	1 9	9 17	1 0	20 36	1 12	7 3	0 32	11 52	1 49	22 28	16 58	5 49	6 24	8 28		n.a.
S 20	18 35	12 5	4 18	23 35	2 10	26 0	2 35	24 38	1 9	9 22	1 0	20 36	1 13	7 2	0 32	11 52	1 49	22 28	16 59	5 53	6 25	8 29		n.a.
M21	18 50	14 50	4 45	23 53	2 11	25 52	2 32	24 41	1 9	9 27	1 0	20 36	1 13	7 1	0 32	11 53	1 49	22 28	17 0	5 58	6 26	8 31		n.a.
T 22	19 6	16 58	4 59	24 9	2 11	25 44	2 28	24 44	1 9	9 31	1 0	20 36	1 13	7 0	0 32	11 54	1 49	22 28	17 0	6 3	6 28	8 33		n.a.
W23	19 21	18 23	5 0	24 24	2 12	25 35	2 24	24 46	1 9	9 36	1 0	20 37	1 13	7 0	0 32	11 55	1 49	22 28	17 1	6 9	6 29	8 35		n.a.
T 24	19 36	18 57	4 47	24 37	2 11	25 26	2 20	24 48	1 9	9 40	1 0	20 37	1 13	6 59	0 32	11 55	1 49	22 28	17 1	6 13	6 30	8 36		n.a.
F 25	19 50	18 37	4 20	24 49	2 10	25 16	2 16	24 50	1 9	9 45	1 0	20 37	1 14	6 58	0 32	11 56	1 49	22 28	17 2	6 17	6 31	8 38		n.a.
S 26	20 4	17 22	3 41	24 59	2 9	25 6	2 11	24 52	1 9	9 49	1 0	20 38	1 14	6 58	0 32	11 57	1 49	22 28	17 2	6 20	6 32	8 40		n.a.
S 27	20 17	15 12	2 49	25 7	2 7	24 55	2 6	24 53	1 9	9 54	1 0	20 38	1 14	6 57	0 32	11 57	1 49	22 28	17 3	6 21	6 34	8 42		n.a.
M28	20 31	12 13	1 47	25 13	2 4	24 43	2 1	24 54	1 10	9 58	1 0	20 38	1 14	6 56	0 32	11 58	1 49	22 29	17 4	6 22	6 35	8 43		n.a.
T 29	20 43	8 32	0 38	25 17	2 0	24 32	1 56	24 54	1 10	10 3	1 0	20 39	1 15	6 56	0 32	11 59	1 49	22 29	17 4	6 22	6 36	8 45		n.a.
W30	20s56	4s17	0s35	25s19	1s56	24s19	1s50	24s55	1s10	10s 7	1n 0	20n39	1n15	6n55	0s32	11s59	1n49	22n29	17n 5	6n22	6n37	8s47		n.a.

Julian Day Number = 1539832.5, Delta T = 04h38m30s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'21, Lahiri = -10°49'20 Julian Calendar 1 Nov. 498 BCE == Greg. Calendar 27 Oct. 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 498 BCE
geocentric

DECEMBER 498 BCE (-497) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 13 33	3♐30'17	4♈55	21♐47	19♑ 1	0♑22	28♎38	4°R15	18°R39	6♏ 3	12♍51	14°R 0	13♍18	2♏24	n.a.	T 1
F 2	4 17 29	4°31'33	19°31	23° 7	19°49	1° 9	28°50	4♌13	18♈37	6° 5	12°52	13♍56	13°15	2°31	n.a.	F 2
S 3	4 21 26	5°32'48	4♉25	24°24	20°37	1°56	29° 2	4°12	18°35	6° 7	12°52	13°50	13°12	2°38	n.a.	S 3
S 4	4 25 23	6°34'02	19°31	25°37	21°24	2°44	29°14	4°11	18°34	6° 9	12°53	13°41	13° 9	2°44	n.a.	S 4
M 5	4 29 19	7°35'17	4♊38	26°45	22° 9	3°31	29°26	4° 9	18°33	6°11	12°54	13°29	13° 6	2°51	n.a.	M 5
T 6	4 33 16	8°36'31	19°37	27°49	22°54	4°18	29°38	4° 8	18°31	6°13	12°54	13°17	13° 2	2°58	n.a.	T 6
W 7	4 37 12	9°37'45	4♋18	28°46	23°38	5° 5	29°50	4° 6	18°30	6°15	12°55	13° 6	12°59	3° 4	n.a.	W 7
T 8	4 41 9	10°38'58	18°34	29°37	24°20	5°53	0♏ 2	4° 4	18°29	6°17	12°55	12°56	12°56	3°11	n.a.	T 8
F 9	4 45 5	11°40'12	2♌21	0♑19	25° 1	6°40	0°13	4° 2	18°27	6°19	12°56	12°49	12°53	3°18	n.a.	F 9
S 10	4 49 2	12°41'25	15°38	0°54	25°42	7°27	0°25	4° 0	18°26	6°21	12°56	12°45	12°50	3°24	n.a.	S 10
S 11	4 52 59	13°42'38	28°27	1°19	26°21	8°15	0°36	3°58	18°25	6°23	12°57	12°43	12°47	3°31	n.a.	S 11
M12	4 56 55	14°43'50	10♍54	1°33	26°58	9° 2	0°48	3°56	18°24	6°25	12°57	12°43	12°43	3°38	n.a.	M12
T 13	5 0 52	15°45'02	23° 3	1°R37	27°35	9°49	0°59	3°53	18°23	6°27	12°57	12°42	12°40	3°44	n.a.	T 13
W14	5 4 48	16°46'14	5♎ 0	1°29	28° 9	10°37	1°11	3°51	18°22	6°29	12°58	12°41	12°37	3°51	n.a.	W14
T 15	5 8 45	17°47'26	16°50	1° 9	28°43	11°24	1°22	3°48	18°21	6°30	12°58	12°39	12°34	3°58	n.a.	T 15
F 16	5 12 41	18°48'37	28°37	0°38	29°15	12°11	1°33	3°46	18°20	6°32	12°58	12°33	12°31	4° 5	n.a.	F 16
S 17	5 16 38	19°49'47	10♏27	29♐55	29°45	12°58	1°44	3°43	18°19	6°34	12°58	12°24	12°28	4°11	n.a.	S 17
S 18	5 20 34	20°50'57	22°23	29° 3	0♒14	13°46	1°55	3°40	18°18	6°36	12°58	12°13	12°24	4°18	n.a.	S 18
M19	5 24 31	21°52'07	4♐27	28° 1	0°41	14°33	2° 6	3°37	18°18	6°38	12°59	11°59	12°21	4°25	n.a.	M19
T 20	5 28 28	22°53'15	16°40	26°53	1° 7	15°20	2°17	3°35	18°17	6°39	12°59	11°45	12°18	4°31	n.a.	T 20
W21	5 32 24	23°54'23	29° 4	25°39	1°30	16° 8	2°27	3°31	18°16	6°41	12°59	11°31	12°15	4°38	n.a.	W21
T 22	5 36 21	24°55'30	11♑37	24°23	1°52	16°55	2°38	3°28	18°16	6°43	12°R59	11°18	12°12	4°45	n.a.	T 22
F 23	5 40 17	25°56'35	24°22	23° 6	2°12	17°42	2°48	3°25	18°15	6°44	12°59	11° 7	12° 8	4°51	n.a.	F 23
S 24	5 44 14	26°57'40	7♒17	21°52	2°29	18°29	2°59	3°22	18°15	6°46	12°59	11° 0	12° 5	4°58	n.a.	S 24
S 25	5 48 10	27°58'44	20°23	20°41	2°45	19°17	3° 9	3°18	18°14	6°47	12°59	10°56	12° 2	5° 5	n.a.	S 25
M26	5 52 7	28°59'46	3♓41	19°36	2°58	20° 4	3°19	3°15	18°14	6°49	12°59	10°54	11°59	5°12	n.a.	M26
T 27	5 56 3	0♑ 0'46	17°12	18°37	3°10	20°51	3°30	3°11	18°13	6°51	12°58	10°D54	11°56	5°18	n.a.	T 27
W28	6 0 0	1° 1'46	0♈58	17°47	3°19	21°38	3°40	3° 8	18°13	6°52	12°58	10°R54	11°53	5°25	n.a.	W28
T 29	6 3 57	2° 2'43	14°59	17° 5	3°25	22°26	3°49	3° 4	18°13	6°54	12°58	10°54	11°49	5°32	n.a.	T 29
F 30	6 7 53	3° 3'40	29°17	16°32	3°29	23°13	3°59	3° 0	18°13	6°55	12°58	10°51	11°46	5°38	n.a.	F 30
S 31	6 11 50	4♑ 4'34	13♉47	16♐ 7	3°R31	24♑ 0	4♏ 9	2♌56	18♈13	6♏57	12♍57	10♍46	11♍43	5♏45	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s 8	0n20	1s48	25s20	1s50	24s 7	1s45	24s55	1s10	10s12	1n 0	20n40	1n15	6n55	0s32	12s 0	1n49	22n29	17n 5	6n22	6n39	8s49			n.a.
F 2	21 19	5 1	2 56	25 18	1 44	23 54	1 39	24 55	1 10	10 16	1 0	20 40	1 15	6 54	0 32	12 1	1 49	22 30	17 6	6 24	6 40	8 50			n.a.
S 3	21 31	9 30	3 53	25 15	1 37	23 40	1 32	24 54	1 10	10 20	1 0	20 41	1 15	6 53	0 32	12 1	1 49	22 30	17 6	6 26	6 41	8 52			n.a.
S 4	21 41	13 26	4 34	25 10	1 29	23 26	1 26	24 53	1 10	10 25	1 0	20 41	1 16	6 53	0 32	12 2	1 49	22 30	17 7	6 30	6 42	8 54			n.a.
M 5	21 52	16 29	4 57	25 3	1 20	23 12	1 19	24 52	1 10	10 29	1 0	20 42	1 16	6 52	0 32	12 3	1 49	22 30	17 8	6 34	6 44	8 56			n.a.
T 6	22 2	18 23	4 59	24 54	1 10	22 58	1 12	24 51	1 10	10 33	1 0	20 42	1 16	6 52	0 32	12 3	1 49	22 31	17 8	6 39	6 45	8 57			n.a.
W 7	22 11	19 1	4 40	24 43	0 58	22 43	1 5	24 49	1 10	10 37	1 0	20 43	1 16	6 51	0 32	12 4	1 49	22 31	17 9	6 44	6 46	8 59			n.a.
T 8	22 20	18 24	4 5	24 31	0 46	22 28	0 57	24 47	1 10	10 41	1 0	20 44	1 16	6 51	0 32	12 5	1 49	22 31	17 9	6 47	6 47	9 1			n.a.
F 9	22 29	16 43	3 16	24 17	0 32	22 13	0 49	24 45	1 10	10 45	1 0	20 44	1 17	6 51	0 31	12 5	1 49	22 32	17 10	6 50	6 49	9 3			n.a.
S 10	22 37	14 10	2 18	24 2	0 17	21 57	0 41	24 42	1 10	10 49	1 0	20 45	1 17	6 50	0 31	12 6	1 49	22 32	17 11	6 52	6 50	9 4			n.a.
S 11	22 45	11 0	1 15	23 46	0 1	21 42	0 33	24 39	1 10	10 53	1 0	20 46	1 17	6 50	0 31	12 6	1 49	22 32	17 11	6 52	6 51	9 6			n.a.
M12	22 52	7 26	0 10	23 29	0n16	21 26	0 24	24 36	1 10	10 57	1 1	20 46	1 17	6 49	0 31	12 7	1 49	22 33	17 12	6 53	6 52	9 8			n.a.
T 13	22 59	3 38	0n54	23 11	0 34	21 10	0 15	24 33	1 10	11 1	1 1	20 47	1 17	6 49	0 31	12 8	1 49	22 33	17 12	6 53	6 53	9 10			n.a.
W14	23 5	0s15	1 55	22 52	0 53	20 54	0 6	24 29	1 10	11 5	1 1	20 48	1 18	6 49	0 31	12 8	1 49	22 34	17 13	6 53	6 55	9 11			n.a.
T 15	23 11	4 5	2 50	22 33	1 12	20 37	0n 4	24 25	1 10	11 9	1 1	20 49	1 18	6 48	0 31	12 9	1 49	22 34	17 13	6 54	6 56	9 13			n.a.
F 16	23 16	7 45	3 37	22 14	1 31	20 21	0 14	24 21	1 10	11 13	1 1	20 50	1 18	6 48	0 31	12 9	1 49	22 34	17 14	6 56	6 57	9 15			n.a.
S 17	23 21	11 7	4 15	21 55	1 50	20 4	0 24	24 16	1 10	11 17	1 1	20 50	1 18	6 48	0 31	12 10	1 49	22 35	17 15	7 0	6 58	9 17			n.a.
S 18	23 26	14 3	4 43	21 36	2 9	19 48	0 35	24 11	1 10	11 21	1 1	20 51	1 18	6 47	0 31	12 10	1 49	22 35	17 15	7 4	7 0	9 18			n.a.
M19	23 30	16 26	4 57	21 18	2 26	19 32	0 46	24 6	1 10	11 24	1 1	20 52	1 19	6 47	0 31	12 11	1 49	22 36	17 16	7 9	7 1	9 20			n.a.
T 20	23 34	18 7	4 59	21 1	2 42	19 15	0 57	24 0	1 9	11 28	1 1	20 53	1 19	6 47	0 31	12 11	1 50	22 36	17 16	7 15	7 2	9 22			n.a.
W21	23 37	18 59	4 46	20 44	2 57	18 59	1 8	23 55	1 9	11 32	1 1	20 54	1 19	6 47	0 31	12 12	1 50	22 37	17 17	7 20	7 3	9 24			n.a.
T 22	23 39	18 55	4 20	20 29	3 9	18 42	1 20	23 49	1 9	11 35	1 1	20 55	1 19	6 46	0 31	12 13	1 50	22 37	17 18	7 25	7 5	9 25			n.a.
F 23	23 41	17 55	3 40	20 15	3 19	18 26	1 32	23 42	1 9	11 39	1 1	20 56	1 19	6 46	0 31	12 13	1 50	22 38	17 18	7 29	7 6	9 27			n.a.
S 24	23 43	15 59	2 48	20 4	3 27	18 10	1 44	23 36	1 9	11 43	1 1	20 57	1 20	6 46	0 31	12 14	1 50	22 38	17 19	7 32	7 7	9 29			n.a.
S 25	23 44	13 12	1 47	19 54	3 32	17 54	1 57	23 29	1 9	11 46	1 1	20 58	1 20	6 46	0 31	12 14	1 50	22 39	17 19	7 34	7 8	9 31			n.a.
M26	23 45	9 42	0 38	19 47	3 34	17 39	2 10	23 22	1 9	11 49	1 1	20 59	1 20	6 46	0 31	12 14	1 50	22 40	17 20	7 34	7 9	9 32			n.a.
T 27	23 45	5 38	0s33	19 41	3 35	17 23	2 23	23 14	1 9	11 53	1 1	21 0	1 20	6 46	0 31	12 15	1 50	22 40	17 21	7 34	7 11	9 34			n.a.
W28	23 45	1 12	1 44	19 39	3 33	17 8	2 36	23 7	1 9	11 56	1 1	21 1	1 20	6 46	0 31	12 15	1 50	22 41	17 21	7 34	7 12	9 36			n.a.
T 29	23 44	3n22	2 51	19 38	3 30	16 53	2 50	22 59	1 8	12 0	1 2	21 2	1 20	6 46	0 31	12 16	1 50	22 41	17 22	7 35	7 13	9 37			n.a.
F 30	23 43	7 49	3 47	19 40	3 25	16 39	3 4	22 51	1 8	12 3	1 2	21 3	1 21	6 45	0 31	12 16	1 50	22 42	17 22	7 36	7 14	9 39			n.a.
S 31	23s41	11n53	4s30	19s43	3n19	16s25	3n18	22s42	1s 8	12s 6	1n 2	21n 4	1n21	6n45	0s31	12s17	1n50	22n43	17n23	7n38	7n16	9s41			n.a.

Julian Day Number = 1539862.5, Delta T = 04h38m29s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'17, Lahiri = -10°49'16 Julian Calendar 1 Dec. 498 BCE == Greg. Calendar 26 Nov. 498 BCE

The year -497 astronomical counting style corresponds to year 498 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

JANUARY 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 15 46	5♉ 5'28	28♉27	15°R51	3°R30	24♉47	4♏19	2°R53	18°R12	6♏58	12°R57	10°R38	11♍40	5♏52	n.a.	S 1
M 2	6 19 43	6° 6'19	13♊10	15♐43	3♒27	25°34	4°28	2♌49	18°D12	6°59	12♍57	10♍28	11°37	5°58	n.a.	M 2
T 3	6 23 39	7° 7'10	27°49	15°D43	3°21	26°21	4°37	2°45	18♈12	7° 1	12°56	10°18	11°34	6° 5	n.a.	T 3
W 4	6 27 36	8° 7'59	12♋15	15°50	3°13	27° 8	4°47	2°40	18°13	7° 2	12°56	10° 8	11°30	6°12	n.a.	W 4
T 5	6 31 32	9° 8'47	26°22	16° 4	3° 2	27°55	4°56	2°36	18°13	7° 3	12°55	9°59	11°27	6°19	n.a.	T 5
F 6	6 35 29	10° 9'33	10♌ 5	16°25	2°49	28°42	5° 5	2°32	18°13	7° 5	12°55	9°53	11°24	6°25	n.a.	F 6
S 7	6 39 26	11°10'18	23°23	16°51	2°33	29°30	5°14	2°28	18°13	7° 6	12°54	9°49	11°21	6°32	n.a.	S 7
S 8	6 43 22	12°11'01	6♍17	17°22	2°15	0♒17	5°23	2°24	18°13	7° 7	12°54	9°D48	11°18	6°39	n.a.	S 8
M 9	6 47 19	13°11'44	18°48	17°59	1°54	1° 4	5°31	2°19	18°14	7° 8	12°53	9°48	11°14	6°45	n.a.	M 9
T 10	6 51 15	14°12'25	1♎ 1	18°40	1°31	1°50	5°40	2°15	18°14	7° 9	12°53	9°49	11°11	6°52	n.a.	T 10
W11	6 55 12	15°13'05	13° 1	19°25	1° 5	2°37	5°48	2°10	18°15	7°11	12°52	9°R50	11° 8	6°59	n.a.	W11
T 12	6 59 8	16°13'43	24°53	20°13	0°38	3°24	5°56	2° 6	18°15	7°12	12°51	9°50	11° 5	7° 5	n.a.	T 12
F 13	7 3 5	17°14'20	6♏43	21° 6	0° 9	4°11	6° 5	2° 1	18°16	7°13	12°51	9°47	11° 2	7°12	n.a.	F 13
S 14	7 7 1	18°14'56	18°36	22° 1	29♉38	4°58	6°13	1°57	18°16	7°14	12°50	9°43	10°59	7°19	n.a.	S 14
S 15	7 10 58	19°15'30	0♐35	23° 0	29° 5	5°45	6°21	1°52	18°17	7°15	12°49	9°36	10°55	7°26	n.a.	S 15
M16	7 14 55	20°16'03	12°44	24° 1	28°31	6°32	6°28	1°48	18°18	7°16	12°48	9°28	10°52	7°32	n.a.	M16
T 17	7 18 51	21°16'34	25° 6	25° 4	27°56	7°19	6°36	1°43	18°18	7°17	12°47	9°19	10°49	7°39	n.a.	T 17
W18	7 22 48	22°17'04	7♉42	26°10	27°20	8° 5	6°43	1°38	18°19	7°18	12°46	9° 9	10°46	7°46	n.a.	W18
T 19	7 26 44	23°17'32	20°33	27°18	26°43	8°52	6°51	1°33	18°20	7°18	12°46	9° 1	10°43	7°52	n.a.	T 19
F 20	7 30 41	24°17'59	3♒38	28°29	26° 5	9°39	6°58	1°29	18°21	7°19	12°45	8°55	10°40	7°59	n.a.	F 20
S 21	7 34 37	25°18'23	16°56	29°41	25°28	10°26	7° 5	1°24	18°22	7°20	12°44	8°50	10°36	8° 6	n.a.	S 21
S 22	7 38 34	26°18'45	0♓25	0♉54	24°50	11°12	7°12	1°19	18°23	7°21	12°43	8°48	10°33	8°12	n.a.	S 22
M23	7 42 30	27°19'06	14° 4	2°10	24°13	11°59	7°19	1°14	18°24	7°22	12°42	8°D48	10°30	8°19	n.a.	M23
T 24	7 46 27	28°19'24	27°52	3°27	23°36	12°45	7°25	1°10	18°25	7°22	12°41	8°49	10°27	8°26	n.a.	T 24
W25	7 50 24	29°19'40	11♈48	4°46	23° 0	13°32	7°32	1° 5	18°26	7°23	12°39	8°50	10°24	8°33	n.a.	W25
T 26	7 54 20	0♒19'54	25°52	6° 6	22°25	14°19	7°38	1° 0	18°27	7°24	12°38	8°R51	10°20	8°39	n.a.	T 26
F 27	7 58 17	1°20'06	10♉ 2	7°28	21°52	15° 5	7°44	0°55	18°29	7°24	12°37	8°51	10°17	8°46	n.a.	F 27
S 28	8 2 13	2°20'15	24°16	8°51	21°19	15°52	7°50	0°50	18°30	7°25	12°36	8°49	10°14	8°53	n.a.	S 28
S 29	8 6 10	3°20'22	8♊32	10°15	20°49	16°38	7°56	0°46	18°31	7°25	12°35	8°46	10°11	8°59	n.a.	S 29
M30	8 10 6	4°20'27	22°46	11°40	20°20	17°24	8° 2	0°41	18°33	7°26	12°34	8°41	10° 8	9° 6	n.a.	M30
T 31	8 14 3	5♒20'30	6♋55	13♉ 7	19♉53	18♒11	8♏ 7	0♌36	18♈34	7♏26	12♍33	8♍36	10♍ 5	9♏13	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s39	15n16	4s56	19s49	3n11	16s11	3n32	22s34	1s 8	12s 9	1n 2	21n 5	1n21	6n45	0s31	12s17	1n50	22n43	17n23	7n41	7n17	9s43			n.a.
M 2	23 37	17 40	5 3	19 57	3 3	15 58	3 46	22 25	1 8	12 12	1 2	21 6	1 21	6 45	0 31	12 18	1 50	22 44	17 24	7 44	7 18	9 44			n.a.
T 3	23 34	18 55	4 49	20 6	2 54	15 45	4 1	22 16	1 8	12 16	1 2	21 7	1 21	6 45	0 31	12 18	1 50	22 45	17 25	7 48	7 19	9 46			n.a.
W 4	23 30	18 55	4 17	20 16	2 44	15 33	4 15	22 6	1 7	12 19	1 2	21 8	1 21	6 46	0 31	12 18	1 50	22 45	17 25	7 52	7 20	9 48			n.a.
T 5	23 26	17 43	3 30	20 27	2 34	15 21	4 30	21 57	1 7	12 22	1 2	21 10	1 22	6 46	0 31	12 19	1 50	22 46	17 26	7 55	7 22	9 50			n.a.
F 6	23 21	15 31	2 32	20 40	2 24	15 10	4 44	21 47	1 7	12 25	1 2	21 11	1 22	6 46	0 31	12 19	1 50	22 47	17 26	7 58	7 23	9 51			n.a.
S 7	23 17	12 32	1 27	20 53	2 13	15 0	4 59	21 37	1 7	12 27	1 2	21 12	1 22	6 46	0 31	12 19	1 50	22 47	17 27	7 59	7 24	9 53			n.a.
S 8	23 11	9 2	0 19	21 7	2 3	14 50	5 13	21 26	1 6	12 30	1 2	21 13	1 22	6 46	0 31	12 20	1 50	22 48	17 27	8 0	7 25	9 55			n.a.
M 9	23 5	5 13	0n48	21 21	1 52	14 41	5 27	21 16	1 6	12 33	1 2	21 14	1 22	6 46	0 30	12 20	1 50	22 49	17 28	8 0	7 27	9 56			n.a.
T 10	22 59	1 17	1 51	21 35	1 41	14 32	5 41	21 5	1 6	12 36	1 3	21 15	1 22	6 46	0 30	12 20	1 51	22 50	17 28	7 59	7 28	9 58			n.a.
W11	22 52	2s37	2 49	21 49	1 30	14 24	5 55	20 54	1 6	12 39	1 3	21 16	1 23	6 47	0 30	12 21	1 51	22 50	17 29	7 59	7 29	10 0			n.a.
T 12	22 45	6 23	3 38	22 4	1 20	14 17	6 8	20 43	1 6	12 41	1 3	21 18	1 23	6 47	0 30	12 21	1 51	22 51	17 29	7 59	7 30	10 2			n.a.
F 13	22 37	9 53	4 18	22 18	1 9	14 10	6 21	20 31	1 5	12 44	1 3	21 19	1 23	6 47	0 30	12 21	1 51	22 52	17 30	8 0	7 31	10 3			n.a.
S 14	22 29	13 0	4 46	22 32	0 59	14 5	6 34	20 19	1 5	12 47	1 3	21 20	1 23	6 47	0 30	12 22	1 51	22 53	17 30	8 2	7 33	10 5			n.a.
S 15	22 21	15 36	5 3	22 45	0 49	14 0	6 45	20 8	1 5	12 49	1 3	21 21	1 23	6 48	0 30	12 22	1 51	22 53	17 31	8 4	7 34	10 7			n.a.
M16	22 12	17 33	5 6	22 58	0 39	13 56	6 57	19 55	1 5	12 52	1 3	21 22	1 23	6 48	0 30	12 22	1 51	22 54	17 31	8 7	7 35	10 8			n.a.
T 17	22 3	18 44	4 55	23 11	0 29	13 52	7 7	19 43	1 4	12 54	1 3	21 23	1 23	6 48	0 30	12 23	1 51	22 55	17 32	8 11	7 36	10 10			n.a.
W18	21 53	19 2	4 30	23 23	0 19	13 49	7 17	19 31	1 4	12 56	1 3	21 25	1 23	6 49	0 30	12 23	1 51	22 56	17 32	8 14	7 38	10 12			n.a.
T 19	21 43	18 21	3 51	23 34	0 10	13 47	7 26	19 18	1 4	12 59	1 3	21 26	1 24	6 49	0 30	12 23	1 51	22 57	17 33	8 18	7 39	10 14			n.a.
F 20	21 32	16 42	2 58	23 44	0 0	13 46	7 34	19 5	1 3	13 1	1 4	21 27	1 24	6 49	0 30	12 23	1 51	22 57	17 33	8 20	7 40	10 15			n.a.
S 21	21 21	14 8	1 56	23 54	0s 8	13 46	7 42	18 52	1 3	13 3	1 4	21 28	1 24	6 50	0 30	12 23	1 51	22 58	17 34	8 22	7 41	10 17			n.a.
S 22	21 10	10 46	0 45	24 2	0 17	13 46	7 48	18 39	1 3	13 5	1 4	21 29	1 24	6 50	0 30	12 24	1 51	22 59	17 34	8 22	7 42	10 19			n.a.
M23	20 58	6 47	0s29	24 10	0 26	13 47	7 54	18 25	1 2	13 8	1 4	21 31	1 24	6 51	0 30	12 24	1 51	23 0	17 35	8 23	7 44	10 20			n.a.
T 24	20 46	2 25	1 42	24 16	0 34	13 48	7 58	18 12	1 2	13 10	1 4	21 32	1 24	6 51	0 30	12 24	1 51	23 1	17 35	8 22	7 45	10 22			n.a.
W25	20 34	2n 8	2 50	24 21	0 41	13 50	8 2	17 58	1 2	13 12	1 4	21 33	1 24	6 51	0 30	12 24	1 51	23 1	17 36	8 22	7 46	10 24			n.a.
T 26	20 21	6 35	3 48	24 26	0 49	13 53	8 5	17 44	1 2	13 14	1 4	21 34	1 24	6 52	0 30	12 24	1 51	23 2	17 36	8 21	7 47	10 25			n.a.
F 27	20 7	10 42	4 33	24 29	0 56	13 57	8 7	17 30	1 1	13 16	1 4	21 35	1 24	6 53	0 30	12 24	1 51	23 3	17 36	8 21	7 48	10 27			n.a.
S 28	19 54	14 13	5 1	24 30	1 3	14 0	8 8	17 15	1 1	13 17	1 4	21 36	1 24	6 53	0 30	12 25	1 52	23 4	17 37	8 22	7 50	10 29			n.a.
S 29	19 40	16 54	5 11	24 31	1 10	14 5	8 8	17 1	1 1	13 19	1 5	21 38	1 25	6 54	0 30	12 25	1 52	23 5	17 37	8 23	7 51	10 31			n.a.
M30	19 26	18 32	5 2	24 30	1 16	14 10	8 7	16 46	1 0	13 21	1 5	21 39	1 25	6 54	0 30	12 25	1 52	23 6	17 38	8 25	7 52	10 32			n.a.
T 31	19s11	19n 0	4s34	24s28	1s22	14s15	8n 6	16s32	1s 0	13s23	1n 5	21n40	1n25	6n55	0s30	12s25	1n52	23n 6	17n38	8n27	7n53	10s34			n.a.

Julian Day Number = 1539893.5, Delta T = 04h38m28s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'13, Lahiri = -10°49'12 Julian Calendar 1 Jan. 497 BCE == Greg. Calendar 27 Dec. 498 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

FEBRUARY 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 17 59	6♒20'31	20♋54	14♑35	19°R28	18♒57	8♏13	0°R31	18♈36	7♏27	12°R31	8°R31	10♍ 1	9♏19	n.a.	W 1
T 2	8 21 56	7°20'29	4♌38	16° 4	19♑ 5	19°43	8°18	0♌27	18°37	7°27	12♍30	8♍26	9°58	9°26	n.a.	T 2
F 3	8 25 53	8°20'26	18° 5	17°35	18°45	20°30	8°23	0°22	18°39	7°28	12°29	8°23	9°55	9°33	n.a.	F 3
S 4	8 29 49	9°20'20	1♍12	19° 6	18°27	21°16	8°28	0°17	18°41	7°28	12°27	8°22	9°52	9°40	n.a.	S 4
S 5	8 33 46	10°20'13	14° 1	20°39	18°12	22° 2	8°33	0°13	18°42	7°28	12°26	8°D22	9°49	9°46	n.a.	S 5
M 6	8 37 42	11°20'03	26°31	22°13	17°59	22°48	8°37	0° 8	18°44	7°29	12°25	8°23	9°46	9°53	n.a.	M 6
T 7	8 41 39	12°19'52	8♎45	23°48	17°48	23°34	8°41	0° 3	18°46	7°29	12°23	8°24	9°42	10° 0	n.a.	T 7
W 8	8 45 35	13°19'39	20°47	25°25	17°40	24°20	8°46	29♋59	18°48	7°29	12°22	8°26	9°39	10° 6	n.a.	W 8
T 9	8 49 32	14°19'24	2♏42	27° 2	17°35	25° 6	8°50	29°54	18°49	7°29	12°21	8°27	9°36	10°13	n.a.	T 9
F 10	8 53 28	15°19'07	14°34	28°41	17°32	25°52	8°54	29°49	18°51	7°29	12°19	8°R28	9°33	10°20	n.a.	F 10
S 11	8 57 25	16°18'48	26°28	0♒21	17°D31	26°38	8°57	29°45	18°53	7°29	12°18	8°28	9°30	10°27	n.a.	S 11
S 12	9 1 22	17°18'28	8♐28	2° 2	17°33	27°24	9° 1	29°41	18°55	7°30	12°16	8°26	9°26	10°33	n.a.	S 12
M13	9 5 18	18°18'06	20°39	3°44	17°37	28°10	9° 4	29°36	18°57	7°30	12°15	8°24	9°23	10°40	n.a.	M13
T 14	9 9 15	19°17'41	3♑ 6	5°28	17°44	28°56	9° 7	29°32	18°59	7°R30	12°13	8°21	9°20	10°47	n.a.	T 14
W15	9 13 11	20°17'15	15°49	7°13	17°52	29°41	9°10	29°27	19° 2	7°30	12°12	8°18	9°17	10°53	n.a.	W15
T 16	9 17 8	21°16'47	28°52	8°59	18° 3	0♓27	9°13	29°23	19° 4	7°29	12°10	8°16	9°14	11° 0	n.a.	T 16
F 17	9 21 4	22°16'17	12♒13	10°46	18°16	1°13	9°16	29°19	19° 6	7°29	12° 9	8°14	9°11	11° 7	n.a.	F 17
S 18	9 25 1	23°15'45	25°53	12°35	18°31	1°58	9°18	29°15	19° 8	7°29	12° 7	8°13	9° 7	11°13	n.a.	S 18
S 19	9 28 57	24°15'10	9♓48	14°24	18°48	2°44	9°20	29°11	19°10	7°29	12° 6	8°D12	9° 4	11°20	n.a.	S 19
M20	9 32 54	25°14'33	23°55	16°16	19° 7	3°30	9°23	29° 6	19°13	7°29	12° 4	8°13	9° 1	11°27	n.a.	M20
T 21	9 36 50	26°13'54	8♈10	18° 8	19°28	4°15	9°24	29° 2	19°15	7°29	12° 2	8°14	8°58	11°34	n.a.	T 21
W22	9 40 47	27°13'12	22°29	20° 2	19°51	5° 0	9°26	28°59	19°18	7°28	12° 1	8°14	8°55	11°40	n.a.	W22
T 23	9 44 44	28°12'28	6♉48	21°57	20°15	5°46	9°28	28°55	19°20	7°28	11°59	8°15	8°51	11°47	n.a.	T 23
F 24	9 48 40	29°11'42	21° 5	23°53	20°41	6°31	9°29	28°51	19°22	7°28	11°57	8°16	8°48	11°54	n.a.	F 24
S 25	9 52 37	0♓10'53	5♊15	25°50	21° 9	7°17	9°30	28°47	19°25	7°27	11°56	8°R16	8°45	12° 0	n.a.	S 25
S 26	9 56 33	1°10'02	19°18	27°49	21°38	8° 2	9°31	28°43	19°28	7°27	11°54	8°16	8°42	12° 7	n.a.	S 26
M27	10 0 30	2° 9'09	3♋11	29°49	22° 9	8°47	9°32	28°40	19°30	7°27	11°53	8°15	8°39	12°14	n.a.	M27
T 28	10 4 26	3° 8'13	16°54	1♓50	22°41	9°32	9°33	28°36	19°33	7°26	11°51	8°14	8°36	12°21	n.a.	T 28
W29	10 8 23	4♓ 7'14	0♌24	3♓52	23♑15	10♓17	9♏33	28♋33	19♈35	7♏26	11♍49	8♍14	8♍32	12♏27	n.a.	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s56	18n18	3s51	24s24	1s28	14s21	8n 3	16s17	0s59	13s24	1n 5	21n41	1n25	6n55	0s30	12s25	1n52	23n 7	17n38	8n29	7n55	10s36		n.a.
T 2	18 41	16 32	2 54	24 19	1 33	14 27	8 0	16 2	0 59	13 26	1 5	21 42	1 25	6 56	0 30	12 25	1 52	23 8	17 39	8 31	7 56	10 37		n.a.
F 3	18 25	13 53	1 49	24 12	1 38	14 33	7 57	15 46	0 59	13 27	1 5	21 43	1 25	6 57	0 30	12 25	1 52	23 9	17 39	8 32	7 57	10 39		n.a.
S 4	18 9	10 35	0 39	24 4	1 43	14 40	7 52	15 31	0 58	13 29	1 5	21 44	1 25	6 57	0 30	12 25	1 52	23 10	17 40	8 32	7 58	10 41		n.a.
S 5	17 53	6 51	0n31	23 54	1 47	14 47	7 47	15 16	0 58	13 30	1 5	21 45	1 25	6 58	0 30	12 25	1 52	23 11	17 40	8 33	7 59	10 42		n.a.
M 6	17 36	2 54	1 38	23 43	1 51	14 54	7 42	15 0	0 58	13 32	1 5	21 46	1 25	6 59	0 30	12 25	1 52	23 11	17 40	8 32	8 1	10 44		n.a.
T 7	17 19	1s 5	2 39	23 30	1 54	15 1	7 36	14 44	0 57	13 33	1 6	21 47	1 25	6 59	0 30	12 25	1 52	23 12	17 41	8 32	8 2	10 46		n.a.
W 8	17 2	4 57	3 32	23 16	1 58	15 9	7 29	14 28	0 57	13 34	1 6	21 49	1 25	7 0	0 30	12 25	1 52	23 13	17 41	8 31	8 3	10 47		n.a.
T 9	16 45	8 34	4 16	22 59	2 0	15 16	7 22	14 12	0 56	13 35	1 6	21 50	1 25	7 1	0 29	12 25	1 52	23 14	17 41	8 30	8 4	10 49		n.a.
F 10	16 27	11 50	4 48	22 42	2 3	15 24	7 15	13 56	0 56	13 37	1 6	21 51	1 25	7 2	0 29	12 25	1 52	23 15	17 42	8 30	8 5	10 51		n.a.
S 11	16 9	14 37	5 8	22 22	2 5	15 31	7 8	13 40	0 56	13 38	1 6	21 52	1 25	7 2	0 29	12 25	1 52	23 16	17 42	8 30	8 7	10 52		n.a.
S 12	15 51	16 49	5 15	22 1	2 6	15 39	7 0	13 24	0 55	13 39	1 6	21 53	1 25	7 3	0 29	12 25	1 52	23 17	17 42	8 31	8 8	10 54		n.a.
M13	15 33	18 18	5 8	21 38	2 7	15 46	6 52	13 7	0 55	13 40	1 6	21 54	1 26	7 4	0 29	12 25	1 52	23 17	17 42	8 32	8 9	10 56		n.a.
T 14	15 14	18 57	4 46	21 13	2 8	15 54	6 43	12 51	0 54	13 41	1 6	21 55	1 26	7 5	0 29	12 25	1 53	23 18	17 43	8 33	8 10	10 57		n.a.
W15	14 55	18 40	4 10	20 46	2 8	16 1	6 35	12 34	0 54	13 41	1 7	21 56	1 26	7 6	0 29	12 25	1 53	23 19	17 43	8 34	8 12	10 59		n.a.
T 16	14 36	17 23	3 21	20 18	2 8	16 9	6 26	12 17	0 54	13 42	1 7	21 56	1 26	7 7	0 29	12 25	1 53	23 20	17 43	8 35	8 13	11 1		n.a.
F 17	14 16	15 8	2 19	19 47	2 7	16 16	6 17	12 1	0 53	13 43	1 7	21 57	1 26	7 7	0 29	12 25	1 53	23 21	17 43	8 36	8 14	11 2		n.a.
S 18	13 56	12 0	1 8	19 15	2 5	16 23	6 8	11 44	0 53	13 44	1 7	21 58	1 26	7 8	0 29	12 25	1 53	23 22	17 44	8 36	8 15	11 4		n.a.
S 19	13 37	8 8	0s 9	18 42	2 4	16 29	5 59	11 27	0 52	13 44	1 7	21 59	1 26	7 9	0 29	12 25	1 53	23 22	17 44	8 36	8 16	11 6		n.a.
M20	13 17	3 45	1 26	18 6	2 1	16 36	5 50	11 10	0 52	13 45	1 7	22 0	1 26	7 10	0 29	12 25	1 53	23 23	17 44	8 36	8 18	11 8		n.a.
T 21	12 56	0n52	2 38	17 28	1 59	16 42	5 41	10 52	0 51	13 45	1 7	22 1	1 26	7 11	0 29	12 25	1 53	23 24	17 44	8 36	8 19	11 9		n.a.
W22	12 36	5 27	3 41	16 49	1 55	16 48	5 31	10 35	0 51	13 46	1 7	22 2	1 26	7 12	0 29	12 24	1 53	23 25	17 44	8 35	8 20	11 11		n.a.
T 23	12 15	9 42	4 31	16 8	1 51	16 54	5 22	10 18	0 50	13 46	1 7	22 3	1 26	7 13	0 29	12 24	1 53	23 26	17 45	8 35	8 21	11 13		n.a.
F 24	11 54	13 24	5 3	15 25	1 47	16 59	5 13	10 0	0 50	13 46	1 8	22 3	1 26	7 14	0 29	12 24	1 53	23 26	17 45	8 35	8 22	11 14		n.a.
S 25	11 33	16 16	5 16	14 40	1 42	17 4	5 3	9 43	0 49	13 47	1 8	22 4	1 26	7 15	0 29	12 24	1 53	23 27	17 45	8 35	8 24	11 16		n.a.
S 26	11 12	18 9	5 11	13 53	1 36	17 9	4 54	9 25	0 49	13 47	1 8	22 5	1 26	7 16	0 29	12 24	1 53	23 28	17 45	8 35	8 25	11 17		n.a.
M27	10 51	18 55	4 48	13 5	1 30	17 13	4 45	9 8	0 49	13 47	1 8	22 6	1 26	7 17	0 29	12 24	1 53	23 29	17 45	8 35	8 26	11 19		n.a.
T 28	10 29	18 34	4 8	12 15	1 23	17 17	4 35	8 50	0 48	13 47	1 8	22 6	1 26	7 18	0 29	12 23	1 53	23 29	17 45	8 35	8 27	11 21		n.a.
W29	10s 8	17n10	3s15	11s24	1s16	17s21	4n26	8s32	0s48	13s47	1n 8	22n 7	1n26	7n19	0s29	12s23	1n53	23n30	17n45	8n36	8n28	11s22		n.a.

Julian Day Number = 1539924.5, Delta T = 04h38m26s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'08, Lahiri = -10°49'08 Julian Calendar 1 Feb. 497 BCE == Greg. Calendar 27 Jan. 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

MARCH 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 12 19	5♓ 6'13	13♌41	5♓54	23♉49	11♓ 2	9♏33	28°R29	19♈38	7°R25	11°R48	8°R13	8♍29	12♏34	n.a.	T 1
F 2	10 16 16	6° 5'10	26°44	7°58	24°26	11°47	9°R33	28♋26	19°41	7♏25	11♍46	8♍13	8°26	12°41	n.a.	F 2
S 3	10 20 13	7° 4'05	9♍33	10° 2	25° 3	12°32	9°33	28°23	19°43	7°24	11°44	8°D13	8°23	12°47	n.a.	S 3
S 4	10 24 9	8° 2'57	22° 9	12° 7	25°42	13°17	9°33	28°20	19°46	7°24	11°43	8°R13	8°20	12°54	n.a.	S 4
M 5	10 28 6	9° 1'48	4♎30	14°11	26°21	14° 2	9°32	28°17	19°49	7°23	11°41	8°13	8°17	13° 1	n.a.	M 5
T 6	10 32 2	10° 0'36	16°41	16°16	27° 2	14°47	9°31	28°14	19°52	7°22	11°39	8°13	8°13	13° 7	n.a.	T 6
W 7	10 35 59	10°59'23	28°42	18°20	27°44	15°32	9°30	28°11	19°55	7°22	11°38	8°13	8°10	13°14	n.a.	W 7
T 8	10 39 55	11°58'08	10♏37	20°24	28°27	16°16	9°29	28° 8	19°58	7°21	11°36	8°12	8° 7	13°21	n.a.	T 8
F 9	10 43 52	12°56'51	22°29	22°27	29°11	17° 1	9°28	28° 5	20° 0	7°20	11°34	8°12	8° 4	13°28	n.a.	F 9
S 10	10 47 48	13°55'32	4♐23	24°28	29°55	17°46	9°27	28° 3	20° 3	7°19	11°33	8°12	8° 1	13°34	n.a.	S 10
S 11	10 51 45	14°54'11	16°23	26°28	0♒41	18°30	9°25	28° 0	20° 6	7°19	11°31	8°D11	7°57	13°41	n.a.	S 11
M12	10 55 41	15°52'49	28°33	28°26	1°28	19°15	9°23	27°58	20° 9	7°18	11°29	8°12	7°54	13°48	n.a.	M12
T 13	10 59 38	16°51'24	10♑58	0♈22	2°15	19°59	9°21	27°55	20°12	7°17	11°28	8°12	7°51	13°54	n.a.	T 13
W14	11 3 35	17°49'58	23°42	2°15	3° 3	20°44	9°19	27°53	20°15	7°16	11°26	8°13	7°48	14° 1	n.a.	W14
T 15	11 7 31	18°48'30	6♒49	4° 5	3°52	21°28	9°17	27°51	20°19	7°15	11°24	8°14	7°45	14° 8	n.a.	T 15
F 16	11 11 28	19°47'01	20°18	5°52	4°42	22°13	9°14	27°49	20°22	7°14	11°23	8°15	7°42	14°15	n.a.	F 16
S 17	11 15 24	20°45'29	4♓12	7°35	5°32	22°57	9°11	27°47	20°25	7°13	11°21	8°R15	7°38	14°21	n.a.	S 17
S 18	11 19 21	21°43'56	18°26	9°15	6°23	23°41	9° 8	27°45	20°28	7°12	11°19	8°15	7°35	14°28	n.a.	S 18
M19	11 23 17	22°42'20	2♈58	10°50	7°15	24°25	9° 5	27°43	20°31	7°11	11°18	8°14	7°32	14°35	n.a.	M19
T 20	11 27 14	23°40'43	17°41	12°21	8° 7	25° 9	9° 2	27°42	20°34	7°10	11°16	8°13	7°29	14°41	n.a.	T 20
W21	11 31 10	24°39'03	2♉27	13°48	9° 0	25°54	8°58	27°40	20°37	7° 9	11°14	8°11	7°26	14°48	n.a.	W21
T 22	11 35 7	25°37'21	17°10	15°11	9°53	26°38	8°55	27°39	20°41	7° 8	11°13	8° 9	7°23	14°55	n.a.	T 22
F 23	11 39 3	26°35'38	1♊44	16°29	10°47	27°22	8°51	27°37	20°44	7° 7	11°11	8° 7	7°19	15° 2	n.a.	F 23
S 24	11 43 0	27°33'52	16° 3	17°42	11°42	28° 5	8°47	27°36	20°47	7° 6	11° 9	8° 6	7°16	15° 8	n.a.	S 24
S 25	11 46 57	28°32'04	0♋ 5	18°50	12°37	28°49	8°43	27°35	20°50	7° 5	11° 8	8°D 5	7°13	15°15	n.a.	S 25
M26	11 50 53	29°30'14	13°48	19°54	13°32	29°33	8°39	27°34	20°54	7° 3	11° 6	8° 6	7°10	15°22	n.a.	M26
T 27	11 54 50	0♈28'21	27°15	20°52	14°28	0♈17	8°34	27°33	20°57	7° 2	11° 5	8° 7	7° 7	15°28	n.a.	T 27
W28	11 58 46	1°26'27	10♌24	21°46	15°24	1° 1	8°30	27°32	21° 0	7° 1	11° 3	8° 9	7° 3	15°35	n.a.	W28
T 29	12 2 43	2°24'30	23°19	22°34	16°21	1°44	8°25	27°31	21° 4	7° 0	11° 2	8°10	7° 0	15°42	n.a.	T 29
F 30	12 6 39	3°22'32	6♍ 0	23°17	17°19	2°28	8°20	27°31	21° 7	6°58	11° 0	8°R11	6°57	15°49	n.a.	F 30
S 31	12 10 36	4♈20'32	18♍30	23♈55	18♒16	3♈11	8♏15	27♋30	21♈10	6♏57	10♍59	8♍10	6♍54	15♏55	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9s46	14n50	2s12	10s31	1s 8	17s24	4n17	8s15	0s47	13s47	1n 8	22n 8	1n26	7n20	0s29	12s23	1n53	23n31	17n45	8n36	8n30	11s24			n.a.
F 2	9 24	11 46	1 3	9 37	1 0	17 27	4 8	7 57	0 47	13 47	1 8	22 9	1 26	7 21	0 29	12 23	1 53	23 32	17 46	8 36	8 31	11 26			n.a.
S 3	9 2	8 12	0n 7	8 42	0 51	17 29	3 59	7 39	0 46	13 47	1 8	22 9	1 26	7 22	0 29	12 23	1 54	23 32	17 46	8 36	8 32	11 27			n.a.
S 4	8 40	4 20	1 17	7 45	0 42	17 31	3 50	7 21	0 46	13 47	1 9	22 10	1 26	7 23	0 29	12 22	1 54	23 33	17 46	8 36	8 33	11 29			n.a.
M 5	8 17	0 20	2 21	6 48	0 32	17 32	3 41	7 3	0 45	13 46	1 9	22 10	1 26	7 24	0 29	12 22	1 54	23 34	17 46	8 36	8 34	11 31			n.a.
T 6	7 55	3s36	3 18	5 49	0 22	17 33	3 32	6 45	0 45	13 46	1 9	22 11	1 26	7 25	0 29	12 22	1 54	23 35	17 46	8 36	8 36	11 32			n.a.
W 7	7 32	7 20	4 5	4 50	0 11	17 34	3 23	6 27	0 44	13 46	1 9	22 12	1 26	7 26	0 29	12 21	1 54	23 35	17 46	8 36	8 37	11 34			n.a.
T 8	7 10	10 45	4 41	3 51	0 0	17 34	3 15	6 9	0 44	13 45	1 9	22 12	1 26	7 28	0 29	12 21	1 54	23 36	17 46	8 36	8 38	11 36			n.a.
F 9	6 47	13 43	5 5	2 52	0n11	17 33	3 6	5 51	0 43	13 45	1 9	22 13	1 26	7 29	0 29	12 21	1 54	23 37	17 46	8 36	8 39	11 37			n.a.
S 10	6 24	16 7	5 16	1 53	0 22	17 32	2 58	5 33	0 43	13 44	1 9	22 13	1 26	7 30	0 29	12 21	1 54	23 37	17 46	8 36	8 40	11 39			n.a.
S 11	6 1	17 50	5 14	0 54	0 34	17 31	2 49	5 15	0 42	13 43	1 9	22 14	1 26	7 31	0 29	12 20	1 54	23 38	17 46	8 36	8 42	11 41			n.a.
M12	5 38	18 47	4 57	0n 4	0 45	17 29	2 41	4 57	0 42	13 43	1 9	22 14	1 26	7 32	0 29	12 20	1 54	23 39	17 46	8 36	8 43	11 42			n.a.
T 13	5 15	18 52	4 27	1 1	0 57	17 26	2 33	4 38	0 41	13 42	1 10	22 15	1 25	7 33	0 29	12 20	1 54	23 39	17 46	8 36	8 44	11 44			n.a.
W14	4 52	17 59	3 43	1 57	1 8	17 23	2 25	4 20	0 40	13 41	1 10	22 15	1 25	7 35	0 29	12 19	1 54	23 40	17 46	8 36	8 45	11 46			n.a.
T 15	4 29	16 9	2 46	2 51	1 19	17 19	2 17	4 2	0 40	13 40	1 10	22 15	1 25	7 36	0 29	12 19	1 54	23 41	17 46	8 35	8 46	11 47			n.a.
F 16	4 6	13 22	1 38	3 44	1 30	17 15	2 9	3 44	0 39	13 40	1 10	22 16	1 25	7 37	0 29	12 19	1 54	23 41	17 46	8 35	8 48	11 49			n.a.
S 17	3 43	9 45	0 22	4 35	1 41	17 11	2 1	3 26	0 39	13 39	1 10	22 16	1 25	7 38	0 29	12 18	1 54	23 42	17 46	8 35	8 49	11 50			n.a.
S 18	3 19	5 29	0s56	5 24	1 51	17 5	1 53	3 7	0 38	13 38	1 10	22 16	1 25	7 39	0 29	12 18	1 54	23 42	17 46	8 35	8 50	11 52			n.a.
M19	2 56	0 50	2 13	6 11	2 0	17 0	1 46	2 49	0 38	13 36	1 10	22 17	1 25	7 41	0 29	12 18	1 54	23 43	17 45	8 35	8 51	11 54			n.a.
T 20	2 33	3n56	3 21	6 56	2 10	16 53	1 39	2 31	0 37	13 35	1 10	22 17	1 25	7 42	0 29	12 17	1 54	23 43	17 45	8 36	8 52	11 55			n.a.
W21	2 9	8 28	4 16	7 38	2 18	16 47	1 31	2 13	0 37	13 34	1 10	22 17	1 25	7 43	0 28	12 17	1 54	23 44	17 45	8 37	8 54	11 57			n.a.
T 22	1 46	12 28	4 55	8 17	2 26	16 39	1 24	1 55	0 36	13 33	1 10	22 18	1 25	7 44	0 28	12 16	1 54	23 45	17 45	8 37	8 55	11 59			n.a.
F 23	1 22	15 40	5 14	8 54	2 33	16 32	1 17	1 36	0 36	13 32	1 10	22 18	1 25	7 46	0 28	12 16	1 54	23 45	17 45	8 38	8 56	12 0			n.a.
S 24	0 59	17 50	5 12	9 28	2 39	16 23	1 10	1 18	0 35	13 30	1 10	22 18	1 25	7 47	0 28	12 16	1 54	23 46	17 45	8 39	8 57	12 2			n.a.
S 25	0 35	18 53	4 53	10 0	2 44	16 14	1 3	1 0	0 35	13 29	1 10	22 18	1 25	7 48	0 28	12 15	1 55	23 46	17 45	8 39	8 58	12 3			n.a.
M26	0 12	18 47	4 16	10 29	2 49	16 5	0 56	0 42	0 34	13 27	1 10	22 18	1 25	7 49	0 28	12 15	1 55	23 47	17 45	8 39	9 0	12 5			n.a.
T 27	0n11	17 36	3 27	10 54	2 52	15 55	0 50	0 24	0 33	13 26	1 11	22 19	1 25	7 51	0 28	12 14	1 55	23 47	17 44	8 38	9 1	12 7			n.a.
W28	0 35	15 30	2 27	11 17	2 55	15 44	0 43	0 6	0 33	13 24	1 11	22 19	1 25	7 52	0 28	12 14	1 55	23 47	17 44	8 37	9 2	12 8			n.a.
T 29	0 58	12 39	1 21	11 37	2 56	15 33	0 37	0n12	0 32	13 23	1 11	22 19	1 25	7 53	0 28	12 13	1 55	23 48	17 44	8 37	9 3	12 10			n.a.
F 30	1 22	9 15	0 12	11 54	2 57	15 22	0 31	0 31	0 32	13 21	1 11	22 19	1 25	7 54	0 28	12 13	1 55	23 48	17 44	8 37	9 4	12 12			n.a.
S 31	1n45	5n28	0n56	12n 7	2n56	15s10	0n24	0n49	0s31	13s20	1n11	22n19	1n25	7n56	0s28	12s13	1n55	23n49	17n44	8n37	9n 6	12s13			n.a.

Julian Day Number = 1539953.5, Delta T = 04h38m25s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'04, Lahiri = -10°49'04 Julian Calendar 1 March 497 BCE == Greg. Calendar 25 Feb. 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

APRIL 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 14 32	5♈18'29	0♎49	24♈27	19♒14	3♈55	8°R10	27°R30	21♈14	6°R56	10°R57	8°R 8	6♍51	16♏ 2	n.a.	S 1
M 2	12 18 29	6°16'25	13° 0	24°54	20°13	4°38	8♏ 4	27♋29	21°17	6♏55	10♍56	8♍ 5	6°48	16° 9	n.a.	M 2
T 3	12 22 26	7°14'20	25° 3	25°16	21°12	5°22	7°59	27°29	21°20	6°53	10°54	8° 1	6°44	16°15	n.a.	T 3
W 4	12 26 22	8°12'13	7♏ 0	25°33	22°11	6° 5	7°53	27°29	21°24	6°52	10°53	7°56	6°41	16°22	n.a.	W 4
T 5	12 30 19	9°10'04	18°54	25°44	23°11	6°48	7°48	27°D29	21°27	6°51	10°51	7°51	6°38	16°29	n.a.	T 5
F 6	12 34 15	10° 7'54	0♐46	25°50	24°11	7°32	7°42	27°29	21°31	6°49	10°50	7°45	6°35	16°36	n.a.	F 6
S 7	12 38 12	11° 5'43	12°40	25°R51	25°11	8°15	7°36	27°29	21°34	6°48	10°48	7°41	6°32	16°42	n.a.	S 7
S 8	12 42 8	12° 3'30	24°39	25°47	26°12	8°58	7°30	27°29	21°37	6°46	10°47	7°38	6°28	16°49	n.a.	S 8
M 9	12 46 5	13° 1'16	6♑47	25°39	27°13	9°41	7°23	27°30	21°41	6°45	10°46	7°37	6°25	16°56	n.a.	M 9
T 10	12 50 1	13°59'00	19° 9	25°26	28°14	10°24	7°17	27°30	21°44	6°43	10°44	7°D36	6°22	17° 2	n.a.	T 10
W11	12 53 58	14°56'44	1♒50	25° 8	29°15	11° 7	7°11	27°31	21°48	6°42	10°43	7°37	6°19	17° 9	n.a.	W11
T 12	12 57 55	15°54'26	14°53	24°47	0♓17	11°50	7° 4	27°32	21°51	6°40	10°42	7°39	6°16	17°16	n.a.	T 12
F 13	13 1 51	16°52'07	28°21	24°22	1°19	12°33	6°57	27°32	21°55	6°39	10°40	7°40	6°13	17°23	n.a.	F 13
S 14	13 5 48	17°49'47	12♓17	23°55	2°22	13°16	6°51	27°33	21°58	6°37	10°39	7°R40	6° 9	17°29	n.a.	S 14
S 15	13 9 44	18°47'25	26°39	23°24	3°24	13°59	6°44	27°34	22° 2	6°36	10°38	7°39	6° 6	17°36	n.a.	S 15
M16	13 13 41	19°45'03	11♈24	22°52	4°27	14°41	6°37	27°35	22° 5	6°34	10°37	7°36	6° 3	17°43	n.a.	M16
T 17	13 17 37	20°42'39	26°26	22°19	5°30	15°24	6°30	27°37	22° 9	6°33	10°36	7°31	6° 0	17°49	n.a.	T 17
W18	13 21 34	21°40'13	11♉34	21°44	6°33	16° 7	6°23	27°38	22°12	6°31	10°34	7°25	5°57	17°56	n.a.	W18
T 19	13 25 30	22°37'47	26°40	21°10	7°37	16°49	6°15	27°39	22°16	6°30	10°33	7°18	5°54	18° 3	n.a.	T 19
F 20	13 29 27	23°35'19	11♊33	20°35	8°41	17°32	6° 8	27°41	22°19	6°28	10°32	7°12	5°50	18°10	n.a.	F 20
S 21	13 33 23	24°32'49	26° 7	20° 2	9°45	18°14	6° 1	27°43	22°23	6°27	10°31	7° 7	5°47	18°16	n.a.	S 21
S 22	13 37 20	25°30'18	10♋17	19°30	10°49	18°57	5°54	27°44	22°26	6°25	10°30	7° 4	5°44	18°23	n.a.	S 22
M23	13 41 17	26°27'46	24° 2	19° 0	11°53	19°39	5°46	27°46	22°30	6°24	10°29	7°D 3	5°41	18°30	n.a.	M23
T 24	13 45 13	27°25'12	7♌23	18°33	12°58	20°21	5°39	27°48	22°33	6°22	10°28	7° 4	5°38	18°36	n.a.	T 24
W25	13 49 10	28°22'36	20°23	18° 9	14° 2	21° 4	5°31	27°50	22°37	6°20	10°27	7° 5	5°34	18°43	n.a.	W25
T 26	13 53 6	29°20'00	3♍ 4	17°48	15° 7	21°46	5°24	27°52	22°40	6°19	10°26	7°R 5	5°31	18°50	n.a.	T 26
F 27	13 57 3	0♉17'21	15°31	17°31	16°12	22°28	5°16	27°54	22°43	6°17	10°25	7° 5	5°28	18°57	n.a.	F 27
S 28	14 0 59	1°14'42	27°46	17°18	17°17	23°10	5° 9	27°57	22°47	6°16	10°24	7° 3	5°25	19° 3	n.a.	S 28
S 29	14 4 56	2°12'02	9♎53	17° 8	18°23	23°52	5° 1	27°59	22°50	6°14	10°23	6°58	5°22	19°10	n.a.	S 29
M30	14 8 52	3♉ 9'20	21♎53	17♈ 4	19♓28	24♈34	4♏53	28♋ 2	22♈54	6♏12	10♍22	6♍52	5♍19	19♏17	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 8	1n31	2n 1	12n18	2n55	14s57	0n18	1n 7	0s31	13s18	1n11	22n19	1n25	7n57	0s28	12s12	1n55	23n49	17n43	8n38	9n 7	12s15		n.a.
M 2	2 31	2s27	2 59	12 26	2 52	14 44	0 12	1 25	0 30	13 16	1 11	22 19	1 24	7 58	0 28	12 12	1 55	23 49	17 43	8 39	9 8	12 16		n.a.
T 3	2 55	6 16	3 49	12 30	2 48	14 31	0 7	1 43	0 29	13 14	1 11	22 19	1 24	8 0	0 28	12 11	1 55	23 50	17 43	8 40	9 9	12 18		n.a.
W 4	3 18	9 49	4 28	12 31	2 43	14 17	0 1	2 0	0 29	13 12	1 11	22 19	1 24	8 1	0 28	12 11	1 55	23 50	17 43	8 42	9 10	12 20		n.a.
T 5	3 41	12 56	4 55	12 30	2 37	14 2	0s 5	2 18	0 28	13 10	1 11	22 19	1 24	8 2	0 28	12 10	1 55	23 51	17 42	8 44	9 12	12 21		n.a.
F 6	4 4	15 32	5 9	12 25	2 29	13 47	0 10	2 36	0 28	13 9	1 11	22 19	1 24	8 3	0 28	12 10	1 55	23 51	17 42	8 46	9 13	12 23		n.a.
S 7	4 27	17 29	5 11	12 17	2 20	13 32	0 15	2 54	0 27	13 7	1 11	22 19	1 24	8 5	0 28	12 9	1 55	23 51	17 42	8 48	9 14	12 24		n.a.
S 8	4 50	18 41	4 58	12 7	2 11	13 16	0 20	3 12	0 27	13 5	1 11	22 19	1 24	8 6	0 28	12 9	1 55	23 51	17 42	8 49	9 15	12 26		n.a.
M 9	5 12	19 3	4 32	11 54	2 0	13 0	0 25	3 29	0 26	13 3	1 11	22 18	1 24	8 7	0 28	12 8	1 55	23 52	17 41	8 50	9 16	12 28		n.a.
T 10	5 35	18 31	3 54	11 37	1 48	12 43	0 30	3 47	0 25	13 0	1 11	22 18	1 24	8 9	0 28	12 8	1 55	23 52	17 41	8 50	9 18	12 29		n.a.
W11	5 58	17 3	3 3	11 19	1 35	12 26	0 35	4 5	0 25	12 58	1 11	22 18	1 24	8 10	0 28	12 7	1 55	23 52	17 41	8 49	9 19	12 31		n.a.
T 12	6 20	14 40	2 1	10 58	1 21	12 8	0 40	4 22	0 24	12 56	1 11	22 18	1 24	8 11	0 28	12 7	1 55	23 52	17 40	8 49	9 20	12 32		n.a.
F 13	6 43	11 25	0 51	10 35	1 6	11 50	0 44	4 40	0 24	12 54	1 11	22 18	1 24	8 13	0 28	12 6	1 55	23 53	17 40	8 48	9 21	12 34		n.a.
S 14	7 5	7 26	0s25	10 10	0 50	11 32	0 49	4 57	0 23	12 52	1 11	22 17	1 24	8 14	0 28	12 6	1 55	23 53	17 40	8 48	9 22	12 36		n.a.
S 15	7 27	2 53	1 41	9 44	0 34	11 13	0 53	5 14	0 22	12 50	1 11	22 17	1 24	8 15	0 28	12 5	1 55	23 53	17 39	8 49	9 23	12 37		n.a.
M16	7 49	1n56	2 52	9 16	0 17	10 54	0 57	5 32	0 22	12 47	1 11	22 17	1 24	8 17	0 28	12 5	1 55	23 53	17 39	8 50	9 25	12 39		n.a.
T 17	8 11	6 43	3 53	8 48	0 0	10 34	1 1	5 49	0 21	12 45	1 11	22 16	1 24	8 18	0 28	12 4	1 55	23 53	17 39	8 52	9 26	12 40		n.a.
W18	8 33	11 6	4 38	8 19	0s17	10 14	1 5	6 6	0 21	12 43	1 11	22 16	1 23	8 19	0 28	12 4	1 55	23 53	17 38	8 54	9 27	12 42		n.a.
T 19	8 55	14 45	5 3	7 50	0 34	9 53	1 9	6 23	0 20	12 40	1 11	22 16	1 23	8 21	0 28	12 3	1 55	23 54	17 38	8 57	9 28	12 44		n.a.
F 20	9 17	17 23	5 7	7 21	0 51	9 33	1 13	6 40	0 19	12 38	1 11	22 15	1 23	8 22	0 28	12 3	1 55	23 54	17 37	8 59	9 29	12 45		n.a.
S 21	9 38	18 50	4 52	6 53	1 8	9 12	1 16	6 57	0 19	12 36	1 11	22 15	1 23	8 23	0 28	12 2	1 55	23 54	17 37	9 1	9 31	12 47		n.a.
S 22	9 59	19 3	4 18	6 26	1 24	8 50	1 20	7 14	0 18	12 33	1 11	22 15	1 23	8 25	0 28	12 1	1 55	23 54	17 37	9 2	9 32	12 48		n.a.
M23	10 20	18 7	3 31	6 0	1 40	8 28	1 23	7 31	0 18	12 31	1 10	22 14	1 23	8 26	0 28	12 1	1 55	23 54	17 36	9 2	9 33	12 50		n.a.
T 24	10 41	16 12	2 33	5 36	1 55	8 6	1 26	7 47	0 17	12 28	1 10	22 14	1 23	8 27	0 28	12 0	1 55	23 54	17 36	9 2	9 34	12 52		n.a.
W25	11 2	13 29	1 29	5 14	2 9	7 44	1 30	8 4	0 16	12 26	1 10	22 13	1 23	8 28	0 28	12 0	1 55	23 54	17 35	9 2	9 35	12 53		n.a.
T 26	11 23	10 11	0 22	4 53	2 22	7 21	1 33	8 21	0 16	12 23	1 10	22 13	1 23	8 30	0 28	11 59	1 55	23 54	17 35	9 1	9 36	12 55		n.a.
F 27	11 43	6 29	0n45	4 35	2 34	6 58	1 35	8 37	0 15	12 21	1 10	22 12	1 23	8 31	0 28	11 59	1 55	23 54	17 35	9 1	9 38	12 56		n.a.
S 28	12 4	2 33	1 49	4 20	2 46	6 35	1 38	8 54	0 15	12 18	1 10	22 12	1 23	8 32	0 28	11 58	1 55	23 54	17 34	9 2	9 39	12 58		n.a.
S 29	12 24	1s25	2 46	4 7	2 56	6 12	1 41	9 10	0 14	12 16	1 10	22 11	1 23	8 34	0 28	11 58	1 55	23 54	17 34	9 4	9 40	12 59		n.a.
M30	12n44	5s18	3n36	3n57	3s 5	5s48	1s43	9n26	0s13	12s13	1n10	22n11	1n23	8n35	0s28	11s57	1n55	23n54	17n33	9n 6	9n41	13s 1		n.a.

Julian Day Number = 1539984.5, Delta T = 04h38m24s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°56'00, Lahiri = -10°49'00 Julian Calendar 1 Apr. 497 BCE == Greg. Calendar 27 March 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

MAY 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 12 49	4♉ 6'37	3♏50	17°D 3	20♓34	25♈16	4°R46	28♋ 4	22♈57	6°R11	10°R21	6°R43	5♍15	19♏23	n.a.	T 1
W 2	14 16 46	5° 3'54	15°43	17♈ 7	21°40	25°58	4♏38	28° 7	23° 1	6♏ 9	10♍21	6♍32	5°12	19°30	n.a.	W 2
T 3	14 20 42	6° 1'10	27°36	17°16	22°46	26°40	4°30	28°10	23° 4	6° 7	10°20	6°21	5° 9	19°37	n.a.	T 3
F 4	14 24 39	6°58'25	9♐29	17°29	23°52	27°22	4°23	28°13	23° 7	6° 6	10°19	6°10	5° 6	19°44	n.a.	F 4
S 5	14 28 35	7°55'39	21°24	17°46	24°59	28° 3	4°15	28°16	23°11	6° 4	10°18	6° 1	5° 3	19°50	n.a.	S 5
S 6	14 32 32	8°52'53	3♑25	18° 8	26° 5	28°45	4° 8	28°19	23°14	6° 3	10°18	5°53	4°59	19°57	n.a.	S 6
M 7	14 36 28	9°50'06	15°33	18°34	27°12	29°27	4° 0	28°22	23°18	6° 1	10°17	5°48	4°56	20° 4	n.a.	M 7
T 8	14 40 25	10°47'19	27°54	19° 5	28°18	0♉ 8	3°52	28°25	23°21	5°59	10°17	5°46	4°53	20°11	n.a.	T 8
W 9	14 44 21	11°44'31	10♒32	19°40	29°25	0°50	3°45	28°28	23°24	5°58	10°16	5°D45	4°50	20°17	n.a.	W 9
T 10	14 48 18	12°41'43	23°30	20°19	0♈32	1°32	3°37	28°32	23°28	5°56	10°15	5°45	4°47	20°24	n.a.	T 10
F 11	14 52 15	13°38'55	6♓52	21° 2	1°40	2°13	3°30	28°35	23°31	5°55	10°15	5°R45	4°44	20°31	n.a.	F 11
S 12	14 56 11	14°36'06	20°42	21°49	2°47	2°54	3°23	28°39	23°34	5°53	10°14	5°44	4°40	20°37	n.a.	S 12
S 13	15 0 8	15°33'17	5♈ 1	22°40	3°54	3°36	3°15	28°43	23°38	5°51	10°14	5°42	4°37	20°44	n.a.	S 13
M14	15 4 4	16°30'28	19°45	23°35	5° 2	4°17	3° 8	28°46	23°41	5°50	10°13	5°36	4°34	20°51	n.a.	M14
T 15	15 8 1	17°27'38	4♉51	24°34	6° 9	4°58	3° 1	28°50	23°44	5°48	10°13	5°29	4°31	20°58	n.a.	T 15
W16	15 11 57	18°24'48	20° 8	25°36	7°17	5°40	2°54	28°54	23°47	5°47	10°13	5°19	4°28	21° 4	n.a.	W16
T 17	15 15 54	19°21'58	5♊25	26°42	8°25	6°21	2°46	28°58	23°51	5°45	10°12	5° 9	4°25	21°11	n.a.	T 17
F 18	15 19 51	20°19'07	20°32	27°52	9°33	7° 2	2°39	29° 2	23°54	5°44	10°12	4°59	4°21	21°18	n.a.	F 18
S 19	15 23 47	21°16'16	5♋19	29° 5	10°41	7°43	2°32	29° 7	23°57	5°42	10°12	4°51	4°18	21°24	n.a.	S 19
S 20	15 27 44	22°13'24	19°40	0♌21	11°49	8°24	2°26	29°11	24° 0	5°40	10°12	4°46	4°15	21°31	n.a.	S 20
M21	15 31 40	23°10'32	3♌32	1°41	12°58	9° 5	2°19	29°15	24° 3	5°39	10°11	4°43	4°12	21°38	n.a.	M21
T 22	15 35 37	24° 7'38	16°56	3° 5	14° 6	9°46	2°12	29°20	24° 6	5°37	10°11	4°41	4° 9	21°45	n.a.	T 22
W23	15 39 33	25° 4'45	29°54	4°32	15°14	10°27	2° 6	29°24	24°10	5°36	10°11	4°41	4° 5	21°51	n.a.	W23
T 24	15 43 30	26° 1'51	12♍31	6° 2	16°23	11° 8	1°59	29°29	24°13	5°34	10°11	4°41	4° 2	21°58	n.a.	T 24
F 25	15 47 26	26°58'56	24°51	7°35	17°32	11°48	1°53	29°33	24°16	5°33	10°11	4°40	3°59	22° 5	n.a.	F 25
S 26	15 51 23	27°56'01	6♎59	9°12	18°40	12°29	1°47	29°38	24°19	5°31	10°11	4°37	3°56	22°11	n.a.	S 26
S 27	15 55 20	28°53'06	18°59	10°51	19°49	13°10	1°41	29°43	24°22	5°30	10°D11	4°31	3°53	22°18	n.a.	S 27
M28	15 59 16	29°50'11	0♏53	12°34	20°58	13°51	1°35	29°48	24°25	5°29	10°11	4°22	3°50	22°25	n.a.	M28
T 29	16 3 13	0♊47'15	12°46	14°20	22° 7	14°31	1°29	29°53	24°28	5°27	10°11	4°11	3°46	22°32	n.a.	T 29
W30	16 7 9	1°44'20	24°38	16° 9	23°16	15°12	1°23	29°58	24°31	5°26	10°11	3°58	3°43	22°38	n.a.	W30
T 31	16 11 6	2♊41'24	6♐32	18♉ 1	24♈25	15♉52	1♏17	0♌ 3	24♈34	5♏24	10♍11	3♍44	3♍40	22♏45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13n 3	8s57	4n16	3n49	3s13	5s24	1s46	9n42	0s13	12s11	1n10	22n10	1n23	8n36	0s28	11s57	1n55	23n54	17n33	9n10	9n42	13s 3			n.a.
W 2	13 23	12 14	4 44	3 44	3 20	5 0	1 48	9 58	0 12	12 9	1 10	22 9	1 23	8 38	0 28	11 56	1 55	23 53	17 32	9 14	9 44	13 4			n.a.
T 3	13 42	15 1	5 0	3 42	3 26	4 35	1 50	10 14	0 12	12 6	1 10	22 9	1 22	8 39	0 28	11 56	1 55	23 53	17 32	9 18	9 45	13 6			n.a.
F 4	14 1	17 10	5 3	3 43	3 30	4 11	1 52	10 30	0 11	12 4	1 9	22 8	1 22	8 40	0 28	11 55	1 55	23 53	17 31	9 22	9 46	13 7			n.a.
S 5	14 20	18 36	4 53	3 46	3 34	3 46	1 54	10 46	0 10	12 1	1 9	22 7	1 22	8 41	0 28	11 55	1 55	23 53	17 31	9 25	9 47	13 9			n.a.
S 6	14 39	19 13	4 30	3 52	3 37	3 21	1 56	11 1	0 10	11 59	1 9	22 7	1 22	8 43	0 28	11 54	1 55	23 53	17 30	9 28	9 48	13 10			n.a.
M 7	14 57	18 57	3 54	4 1	3 38	2 55	1 57	11 17	0 9	11 56	1 9	22 6	1 22	8 44	0 28	11 53	1 55	23 53	17 30	9 30	9 49	13 12			n.a.
T 8	15 15	17 48	3 7	4 12	3 39	2 30	1 59	11 32	0 9	11 54	1 9	22 5	1 22	8 45	0 28	11 53	1 55	23 53	17 29	9 31	9 51	13 13			n.a.
W 9	15 33	15 45	2 10	4 25	3 39	2 4	2 1	11 47	0 8	11 51	1 9	22 5	1 22	8 46	0 28	11 52	1 55	23 52	17 29	9 31	9 52	13 15			n.a.
T 10	15 51	12 51	1 5	4 41	3 38	1 39	2 2	12 3	0 7	11 49	1 9	22 4	1 22	8 48	0 28	11 52	1 55	23 52	17 28	9 31	9 53	13 17			n.a.
F 11	16 9	9 12	0s 6	4 59	3 36	1 13	2 3	12 18	0 7	11 46	1 8	22 3	1 22	8 49	0 28	11 51	1 55	23 52	17 28	9 31	9 54	13 18			n.a.
S 12	16 26	4 56	1 19	5 20	3 33	0 47	2 4	12 33	0 6	11 44	1 8	22 2	1 22	8 50	0 28	11 51	1 55	23 52	17 27	9 32	9 55	13 20			n.a.
S 13	16 43	0 15	2 29	5 42	3 29	0 20	2 5	12 48	0 6	11 42	1 8	22 1	1 22	8 51	0 28	11 50	1 55	23 51	17 27	9 33	9 56	13 21			n.a.
M14	16 59	4n34	3 31	6 7	3 25	0n 6	2 6	13 2	0 5	11 39	1 8	22 0	1 22	8 53	0 28	11 50	1 55	23 51	17 26	9 35	9 58	13 23			n.a.
T 15	17 16	9 13	4 20	6 33	3 19	0 32	2 7	13 17	0 4	11 37	1 8	22 0	1 22	8 54	0 28	11 49	1 55	23 51	17 26	9 37	9 59	13 24			n.a.
W16	17 32	13 20	4 51	7 2	3 13	0 59	2 8	13 31	0 4	11 35	1 8	21 59	1 22	8 55	0 28	11 49	1 55	23 50	17 25	9 41	10 0	13 26			n.a.
T 17	17 48	16 32	5 2	7 32	3 7	1 25	2 8	13 46	0 3	11 32	1 7	21 58	1 22	8 56	0 28	11 48	1 55	23 50	17 25	9 45	10 1	13 27			n.a.
F 18	18 4	18 35	4 51	8 3	3 0	1 52	2 9	14 0	0 2	11 30	1 7	21 57	1 22	8 57	0 28	11 48	1 55	23 50	17 24	9 48	10 2	13 29			n.a.
S 19	18 19	19 18	4 20	8 37	2 52	2 18	2 9	14 14	0 2	11 28	1 7	21 56	1 22	8 59	0 28	11 47	1 55	23 49	17 24	9 51	10 4	13 30			n.a.
S 20	18 34	18 45	3 34	9 12	2 44	2 45	2 10	14 28	0 1	11 26	1 7	21 55	1 21	9 0	0 28	11 47	1 55	23 49	17 23	9 53	10 5	13 32			n.a.
M21	18 49	17 4	2 37	9 48	2 35	3 12	2 10	14 42	0 1	11 24	1 7	21 54	1 21	9 1	0 28	11 46	1 55	23 48	17 23	9 55	10 6	13 34			n.a.
T 22	19 3	14 30	1 33	10 25	2 25	3 38	2 10	14 56	0n 0	11 21	1 6	21 53	1 21	9 2	0 28	11 46	1 55	23 48	17 22	9 55	10 7	13 35			n.a.
W23	19 17	11 15	0 25	11 4	2 16	4 5	2 10	15 10	0 1	11 19	1 6	21 52	1 21	9 3	0 28	11 45	1 55	23 48	17 22	9 55	10 8	13 37			n.a.
T 24	19 31	7 35	0n41	11 44	2 5	4 32	2 10	15 23	0 1	11 17	1 6	21 51	1 21	9 4	0 28	11 45	1 55	23 47	17 21	9 55	10 9	13 38			n.a.
F 25	19 44	3 40	1 45	12 25	1 55	4 58	2 10	15 36	0 2	11 15	1 6	21 50	1 21	9 6	0 28	11 44	1 55	23 47	17 21	9 55	10 11	13 40			n.a.
S 26	19 58	0s20	2 42	13 6	1 44	5 25	2 9	15 50	0 3	11 13	1 6	21 49	1 21	9 7	0 28	11 44	1 55	23 46	17 20	9 57	10 12	13 41			n.a.
S 27	20 10	4 17	3 31	13 49	1 33	5 52	2 9	16 3	0 3	11 11	1 5	21 48	1 21	9 8	0 28	11 43	1 55	23 46	17 19	9 59	10 13	13 43			n.a.
M28	20 23	8 1	4 11	14 31	1 21	6 18	2 9	16 16	0 4	11 10	1 5	21 47	1 21	9 9	0 28	11 43	1 55	23 45	17 19	10 2	10 14	13 44			n.a.
T 29	20 35	11 26	4 39	15 14	1 10	6 45	2 8	16 28	0 4	11 8	1 5	21 46	1 21	9 10	0 28	11 43	1 55	23 45	17 18	10 6	10 15	13 46			n.a.
W30	20 47	14 24	4 56	15 58	0 58	7 11	2 7	16 41	0 5	11 6	1 5	21 45	1 21	9 11	0 28	11 42	1 55	23 44	17 18	10 11	10 16	13 47			n.a.
T 31	20n58	16s46	4n59	16n41	0s46	7n38	2s 7	16n54	0n 6	11s 4	1n 5	21n43	1n21	9n12	0s28	11s42	1n55	23n44	17n17	10n16	10n18	13s49			n.a.

Julian Day Number = 1540014.5, Delta T = 04h38m22s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'56, Lahiri = -10°48'56 Julian Calendar 1 May 497 BCE == Greg. Calendar 26 Apr. 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

JUNE 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 15 2	3♊38'29	18♐28	19♉55	25♈35	16♉33	1°R12	0♌ 8	24♈36	5°R23	10♍11	3°R30	3♍37	22♏52	n.a.	F 1
S 2	16 18 59	4°35'34	0♑29	21°52	26°44	17°13	1♏ 7	0°13	24°39	5♏22	10°11	3♍18	3°34	22°59	n.a.	S 2
S 3	16 22 55	5°32'39	12°36	23°52	27°53	17°53	1° 2	0°18	24°42	5°20	10°12	3° 9	3°31	23° 5	n.a.	S 3
M 4	16 26 52	6°29'44	24°50	25°53	29° 3	18°34	0°56	0°24	24°45	5°19	10°12	3° 2	3°27	23°12	n.a.	M 4
T 5	16 30 49	7°26'50	7♒15	27°57	0♉13	19°14	0°52	0°29	24°48	5°18	10°12	2°58	3°24	23°19	n.a.	T 5
W 6	16 34 45	8°23'56	19°55	0♊ 2	1°22	19°54	0°47	0°35	24°51	5°16	10°13	2°56	3°21	23°25	n.a.	W 6
T 7	16 38 42	9°21'03	2♓52	2° 8	2°32	20°34	0°42	0°40	24°53	5°15	10°13	2°55	3°18	23°32	n.a.	T 7
F 8	16 42 38	10°18'11	16°10	4°16	3°42	21°15	0°38	0°46	24°56	5°14	10°13	2°55	3°15	23°39	n.a.	F 8
S 9	16 46 35	11°15'19	29°52	6°24	4°52	21°55	0°34	0°51	24°59	5°12	10°14	2°54	3°11	23°46	n.a.	S 9
S 10	16 50 31	12°12'28	14♈ 1	8°33	6° 2	22°35	0°29	0°57	25° 1	5°11	10°14	2°52	3° 8	23°52	n.a.	S 10
M11	16 54 28	13° 9'37	28°35	10°42	7°12	23°15	0°25	1° 3	25° 4	5°10	10°15	2°46	3° 5	23°59	n.a.	M11
T 12	16 58 24	14° 6'47	13♉30	12°51	8°22	23°55	0°22	1° 9	25° 6	5° 9	10°15	2°39	3° 2	24° 6	n.a.	T 12
W13	17 2 21	15° 3'58	28°39	14°59	9°33	24°35	0°18	1°15	25° 9	5° 8	10°16	2°29	2°59	24°12	n.a.	W13
T 14	17 6 18	16° 1'10	13♊53	17° 7	10°43	25°15	0°15	1°21	25°11	5° 7	10°16	2°19	2°56	24°19	n.a.	T 14
F 15	17 10 14	16°58'22	29° 0	19°14	11°53	25°54	0°11	1°27	25°14	5° 5	10°17	2° 9	2°52	24°26	n.a.	F 15
S 16	17 14 11	17°55'34	13♋51	21°20	13° 4	26°34	0° 8	1°33	25°16	5° 4	10°18	2° 0	2°49	24°33	n.a.	S 16
S 17	17 18 7	18°52'47	28°17	23°25	14°14	27°14	0° 5	1°39	25°19	5° 3	10°18	1°54	2°46	24°39	n.a.	S 17
M18	17 22 4	19°50'01	12♌15	25°29	15°25	27°54	0° 2	1°45	25°21	5° 2	10°19	1°51	2°43	24°46	n.a.	M18
T 19	17 26 0	20°47'15	25°44	27°32	16°36	28°33	29♎59	1°51	25°23	5° 1	10°20	1°49	2°40	24°53	n.a.	T 19
W20	17 29 57	21°44'29	8♍46	29°33	17°46	29°13	29°57	1°57	25°26	5° 0	10°21	1°D49	2°37	25° 0	n.a.	W20
T 21	17 33 54	22°41'44	21°25	1♋32	18°57	29°53	29°55	2° 4	25°28	4°59	10°22	1°R49	2°33	25° 6	n.a.	T 21
F 22	17 37 50	23°38'59	3♎45	3°30	20° 8	0♊32	29°53	2°10	25°30	4°58	10°22	1°49	2°30	25°13	n.a.	F 22
S 23	17 41 47	24°36'15	15°51	5°26	21°19	1°12	29°51	2°17	25°32	4°57	10°23	1°47	2°27	25°20	n.a.	S 23
S 24	17 45 43	25°33'32	27°49	7°21	22°30	1°51	29°50	2°23	25°34	4°57	10°24	1°42	2°24	25°26	n.a.	S 24
M25	17 49 40	26°30'49	9♏41	9°13	23°41	2°30	29°48	2°30	25°36	4°56	10°25	1°35	2°21	25°33	n.a.	M25
T 26	17 53 36	27°28'06	21°33	11° 5	24°52	3°10	29°47	2°36	25°38	4°55	10°26	1°26	2°17	25°40	n.a.	T 26
W27	17 57 33	28°25'25	3♐27	12°54	26° 3	3°49	29°46	2°43	25°40	4°54	10°27	1°16	2°14	25°47	n.a.	W27
T 28	18 1 29	29°22'45	15°24	14°42	27°15	4°28	29°45	2°49	25°42	4°53	10°28	1° 4	2°11	25°53	n.a.	T 28
F 29	18 5 26	0♋20'05	27°27	16°29	28°26	5° 8	29°44	2°56	25°44	4°53	10°29	0°53	2° 8	26° 0	n.a.	F 29
S 30	18 9 23	1♋17'27	9♑37	18♋13	29♉37	5♊47	29♎43	3♌ 3	25♈46	4♏52	10♍30	0♍43	2♍ 5	26♏ 7	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n 9	18s26	4n50	17n24	0s35	8n 4	2s 6	17n 6	0n 6	11s 2	1n 4	21n42	1n21	9n13	0s28	11s41	1n55	23n43	17n17	10n21	10n19	13s50		n.a.
S 2	21 20	19 18	4 27	18 6	0 23	8 30	2 5	17 18	0 7	11 1	1 4	21 41	1 21	9 14	0 28	11 41	1 55	23 42	17 16	10 26	10 20	13 52		n.a.
S 3	21 31	19 17	3 52	18 48	0 11	8 56	2 4	17 30	0 7	10 59	1 4	21 40	1 21	9 15	0 28	11 40	1 55	23 42	17 16	10 29	10 21	13 53		n.a.
M 4	21 41	18 23	3 7	19 29	0n 0	9 22	2 3	17 42	0 8	10 58	1 4	21 39	1 21	9 16	0 28	11 40	1 55	23 41	17 15	10 32	10 22	13 55		n.a.
T 5	21 50	16 35	2 11	20 8	0 11	9 48	2 2	17 54	0 9	10 56	1 3	21 37	1 21	9 17	0 28	11 40	1 54	23 41	17 14	10 33	10 23	13 56		n.a.
W 6	22 0	13 57	1 8	20 47	0 22	10 13	2 1	18 6	0 9	10 55	1 3	21 36	1 21	9 18	0 28	11 39	1 54	23 40	17 14	10 34	10 25	13 58		n.a.
T 7	22 9	10 35	0 0	21 23	0 32	10 39	1 59	18 17	0 10	10 53	1 3	21 35	1 21	9 19	0 28	11 39	1 54	23 39	17 13	10 34	10 26	13 59		n.a.
F 8	22 17	6 36	1s 9	21 58	0 42	11 4	1 58	18 29	0 11	10 52	1 3	21 34	1 21	9 20	0 28	11 38	1 54	23 39	17 13	10 34	10 27	14 1		n.a.
S 9	22 25	2 9	2 17	22 30	0 51	11 29	1 57	18 40	0 11	10 51	1 2	21 32	1 21	9 21	0 28	11 38	1 54	23 38	17 12	10 34	10 28	14 2		n.a.
S 10	22 33	2n33	3 19	23 0	1 0	11 54	1 55	18 51	0 12	10 50	1 2	21 31	1 21	9 22	0 28	11 38	1 54	23 37	17 12	10 35	10 29	14 4		n.a.
M11	22 41	7 13	4 10	23 28	1 8	12 19	1 54	19 2	0 12	10 48	1 2	21 30	1 21	9 23	0 28	11 37	1 54	23 37	17 11	10 37	10 30	14 5		n.a.
T 12	22 48	11 34	4 45	23 53	1 16	12 43	1 52	19 12	0 13	10 47	1 2	21 29	1 21	9 24	0 28	11 37	1 54	23 36	17 11	10 40	10 31	14 7		n.a.
W13	22 54	15 14	5 0	24 15	1 22	13 7	1 50	19 23	0 14	10 46	1 1	21 27	1 21	9 25	0 28	11 37	1 54	23 35	17 10	10 43	10 33	14 8		n.a.
T 14	23 0	17 53	4 55	24 35	1 28	13 31	1 48	19 33	0 14	10 45	1 1	21 26	1 21	9 26	0 28	11 36	1 54	23 34	17 9	10 47	10 34	14 10		n.a.
F 15	23 6	19 16	4 29	24 52	1 34	13 55	1 47	19 44	0 15	10 44	1 1	21 24	1 21	9 27	0 28	11 36	1 54	23 34	17 9	10 51	10 35	14 11		n.a.
S 16	23 12	19 17	3 45	25 6	1 38	14 18	1 45	19 54	0 16	10 43	1 0	21 23	1 21	9 28	0 28	11 36	1 54	23 33	17 8	10 54	10 36	14 13		n.a.
S 17	23 17	18 2	2 48	25 17	1 42	14 41	1 43	20 4	0 16	10 43	1 0	21 22	1 21	9 29	0 28	11 35	1 54	23 32	17 8	10 56	10 37	14 14		n.a.
M18	23 21	15 43	1 42	25 26	1 45	15 4	1 41	20 13	0 17	10 42	1 0	21 20	1 20	9 29	0 28	11 35	1 54	23 31	17 7	10 57	10 38	14 16		n.a.
T 19	23 26	12 36	0 32	25 32	1 48	15 26	1 39	20 23	0 17	10 41	1 0	21 19	1 20	9 30	0 28	11 35	1 54	23 31	17 7	10 58	10 40	14 17		n.a.
W20	23 29	8 57	0n37	25 35	1 50	15 49	1 37	20 32	0 18	10 41	0 59	21 17	1 20	9 31	0 28	11 34	1 54	23 30	17 6	10 58	10 41	14 19		n.a.
T 21	23 33	5 1	1 42	25 35	1 51	16 10	1 34	20 42	0 19	10 40	0 59	21 16	1 20	9 32	0 28	11 34	1 54	23 29	17 6	10 58	10 42	14 20		n.a.
F 22	23 36	0 57	2 41	25 34	1 51	16 32	1 32	20 51	0 19	10 40	0 59	21 14	1 20	9 33	0 28	11 34	1 54	23 28	17 5	10 58	10 43	14 22		n.a.
S 23	23 38	3s 4	3 32	25 29	1 51	16 53	1 30	21 0	0 20	10 39	0 59	21 13	1 20	9 34	0 28	11 34	1 54	23 27	17 5	10 59	10 44	14 23		n.a.
S 24	23 41	6 55	4 12	25 23	1 50	17 13	1 28	21 8	0 21	10 39	0 58	21 11	1 20	9 34	0 28	11 33	1 54	23 26	17 4	11 0	10 45	14 25		n.a.
M25	23 42	10 28	4 41	25 14	1 49	17 34	1 25	21 17	0 21	10 39	0 58	21 10	1 20	9 35	0 28	11 33	1 54	23 26	17 4	11 3	10 47	14 26		n.a.
T 26	23 44	13 35	4 59	25 4	1 47	17 54	1 23	21 25	0 22	10 38	0 58	21 8	1 20	9 36	0 28	11 33	1 53	23 25	17 3	11 6	10 48	14 28		n.a.
W27	23 45	16 10	5 3	24 51	1 45	18 13	1 20	21 33	0 22	10 38	0 58	21 7	1 20	9 37	0 28	11 33	1 53	23 24	17 3	11 10	10 49	14 29		n.a.
T 28	23 45	18 4	4 54	24 37	1 42	18 32	1 18	21 41	0 23	10 38	0 57	21 5	1 20	9 37	0 28	11 33	1 53	23 23	17 2	11 14	10 50	14 31		n.a.
F 29	23 45	19 12	4 32	24 21	1 38	18 51	1 15	21 49	0 24	10 38	0 57	21 4	1 20	9 38	0 28	11 32	1 53	23 22	17 1	11 18	10 51	14 32		n.a.
S 30	23n45	19s28	3n57	24n 3	1n34	19n 9	1s13	21n57	0n24	10s38	0n57	21n 2	1n20	9n39	0s28	11s32	1n53	23n21	17n 1	11n22	10n52	14s34		n.a.

Julian Day Number = 1540045.5, Delta T = 04h38m21s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'52, Lahiri = -10°48'51 Julian Calendar 1 June 497 BCE == Greg. Calendar 27 May 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

JULY 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 13 19	2♋14'49	21♉55	19♋56	0♊49	6♊26	29°R43	3♌ 9	25♈48	4°R51	10♍32	0°R35	2♍ 2	26♏14	n.a.	S 1
M 2	18 17 16	3°12'13	4♒22	21°38	2° 0	7° 5	29♎43	3°16	25°50	4♏50	10°33	0♍30	1°58	26°20	n.a.	M 2
T 3	18 21 12	4° 9'38	16°59	23°17	3°12	7°44	29°D43	3°23	25°52	4°50	10°34	0°27	1°55	26°27	n.a.	T 3
W 4	18 25 9	5° 7'04	29°48	24°55	4°24	8°23	29°43	3°30	25°53	4°49	10°35	0°D26	1°52	26°34	n.a.	W 4
T 5	18 29 5	6° 4'32	12♓53	26°32	5°35	9° 2	29°43	3°37	25°55	4°49	10°36	0°26	1°49	26°40	n.a.	T 5
F 6	18 33 2	7° 2'01	26°14	28° 7	6°47	9°41	29°44	3°44	25°57	4°48	10°38	0°27	1°46	26°47	n.a.	F 6
S 7	18 36 58	7°59'32	9♈54	29°40	7°59	10°20	29°44	3°51	25°58	4°48	10°39	0°R28	1°42	26°54	n.a.	S 7
S 8	18 40 55	8°57'04	23°54	1♌12	9°11	10°59	29°45	3°58	26° 0	4°47	10°40	0°27	1°39	27° 1	n.a.	S 8
M 9	18 44 52	9°54'38	8♉14	2°42	10°23	11°38	29°46	4° 5	26° 1	4°47	10°42	0°24	1°36	27° 7	n.a.	M 9
T 10	18 48 48	10°52'13	22°51	4°10	11°35	12°16	29°48	4°12	26° 3	4°46	10°43	0°19	1°33	27°14	n.a.	T 10
W11	18 52 45	11°49'51	7♊41	5°37	12°47	12°55	29°49	4°19	26° 4	4°46	10°45	0°12	1°30	27°21	n.a.	W11
T 12	18 56 41	12°47'29	22°37	7° 2	13°59	13°34	29°51	4°26	26° 5	4°45	10°46	0° 5	1°27	27°28	n.a.	T 12
F 13	19 0 38	13°45'10	7♋28	8°26	15°12	14°13	29°53	4°33	26° 7	4°45	10°48	29♌58	1°23	27°34	n.a.	F 13
S 14	19 4 34	14°42'51	22° 8	9°47	16°24	14°51	29°54	4°40	26° 8	4°45	10°49	29°53	1°20	27°41	n.a.	S 14
S 15	19 8 31	15°40'35	6♌28	11° 7	17°36	15°30	29°57	4°48	26° 9	4°45	10°51	29°48	1°17	27°48	n.a.	S 15
M16	19 12 27	16°38'19	20°25	12°25	18°49	16° 8	29°59	4°55	26°10	4°44	10°52	29°46	1°14	27°54	n.a.	M16
T 17	19 16 24	17°36'05	3♍56	13°42	20° 1	16°47	0♏ 2	5° 2	26°11	4°44	10°54	29°D46	1°11	28° 1	n.a.	T 17
W18	19 20 21	18°33'52	17° 1	14°56	21°14	17°25	0° 4	5° 9	26°12	4°44	10°55	29°47	1° 8	28° 8	n.a.	W18
T 19	19 24 17	19°31'40	29°43	16° 8	22°26	18° 4	0° 7	5°17	26°13	4°44	10°57	29°49	1° 4	28°15	n.a.	T 19
F 20	19 28 14	20°29'30	12♎ 6	17°19	23°39	18°42	0°10	5°24	26°14	4°44	10°59	29°50	1° 1	28°21	n.a.	F 20
S 21	19 32 10	21°27'21	24°14	18°27	24°52	19°20	0°13	5°31	26°15	4°44	11° 0	29°R50	0°58	28°28	n.a.	S 21
S 22	19 36 7	22°25'13	6♏13	19°32	26° 4	19°59	0°17	5°39	26°16	4°43	11° 2	29°49	0°55	28°35	n.a.	S 22
M23	19 40 3	23°23'07	18° 6	20°36	27°17	20°37	0°20	5°46	26°17	4°D43	11° 4	29°46	0°52	28°41	n.a.	M23
T 24	19 44 0	24°21'02	29°59	21°37	28°30	21°15	0°24	5°53	26°18	4°43	11° 6	29°42	0°48	28°48	n.a.	T 24
W25	19 47 56	25°18'59	11♐54	22°35	29°43	21°53	0°28	6° 1	26°18	4°44	11° 7	29°37	0°45	28°55	n.a.	W25
T 26	19 51 53	26°16'57	23°56	23°31	0♋56	22°31	0°32	6° 8	26°19	4°44	11° 9	29°31	0°42	29° 2	n.a.	T 26
F 27	19 55 50	27°14'57	6♉ 7	24°24	2° 9	23° 9	0°36	6°15	26°20	4°44	11°11	29°25	0°39	29° 8	n.a.	F 27
S 28	19 59 46	28°12'58	18°28	25°13	3°22	23°47	0°41	6°23	26°20	4°44	11°13	29°20	0°36	29°15	n.a.	S 28
S 29	20 3 43	29°11'01	1♒ 0	26° 0	4°35	24°25	0°45	6°30	26°21	4°44	11°15	29°16	0°33	29°22	n.a.	S 29
M30	20 7 39	0♌ 9'06	13°44	26°43	5°48	25° 3	0°50	6°38	26°21	4°44	11°17	29°14	0°29	29°29	n.a.	M30
T 31	20 11 36	1♌ 7'13	26♒41	27♌22	7♋ 2	25♊41	0♏55	6♌45	26♈22	4♏45	11♍19	29°D13	0♍26	29♏35	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n44	18s48	3n11	23n44	1n30	19n27	1s10	22n 5	0n25	10s38	0n56	21n 1	1n20	9n39	0s29	11s32	1n53	23n20	17n 0	11n25	10n53	14s35			n.a.
M 2	23 43	17 14	2 15	23 23	1 25	19 44	1 8	22 12	0 26	10 38	0 56	20 59	1 20	9 40	0 29	11 32	1 53	23 19	17 0	11 26	10 55	14 37			n.a.
T 3	23 41	14 49	1 11	23 2	1 20	20 0	1 5	22 19	0 26	10 39	0 56	20 57	1 20	9 41	0 29	11 32	1 53	23 18	16 59	11 28	10 56	14 38			n.a.
W 4	23 39	11 38	0 3	22 38	1 14	20 17	1 2	22 26	0 27	10 39	0 56	20 56	1 20	9 41	0 29	11 31	1 53	23 17	16 59	11 28	10 57	14 39			n.a.
T 5	23 37	7 50	1s 6	22 14	1 8	20 32	1 0	22 33	0 27	10 39	0 55	20 54	1 20	9 42	0 29	11 31	1 53	23 16	16 58	11 28	10 58	14 41			n.a.
F 6	23 34	3 34	2 14	21 49	1 2	20 47	0 57	22 39	0 28	10 40	0 55	20 52	1 20	9 42	0 29	11 31	1 53	23 16	16 58	11 27	10 59	14 42			n.a.
S 7	23 30	0n58	3 16	21 23	0 55	21 2	0 54	22 46	0 29	10 40	0 55	20 51	1 20	9 43	0 29	11 31	1 53	23 15	16 58	11 27	11 0	14 44			n.a.
S 8	23 27	5 34	4 7	20 56	0 48	21 16	0 52	22 52	0 29	10 41	0 55	20 49	1 21	9 43	0 29	11 31	1 53	23 14	16 57	11 28	11 1	14 45			n.a.
M 9	23 23	9 57	4 45	20 28	0 41	21 30	0 49	22 58	0 30	10 42	0 54	20 47	1 21	9 44	0 29	11 31	1 53	23 13	16 57	11 29	11 3	14 47			n.a.
T 10	23 18	13 49	5 5	20 0	0 33	21 43	0 46	23 4	0 31	10 42	0 54	20 46	1 21	9 45	0 29	11 31	1 53	23 12	16 56	11 30	11 4	14 48			n.a.
W11	23 13	16 52	5 5	19 31	0 25	21 55	0 43	23 10	0 31	10 43	0 54	20 44	1 21	9 45	0 29	11 31	1 53	23 11	16 56	11 33	11 5	14 50			n.a.
T 12	23 8	18 49	4 44	19 2	0 17	22 7	0 40	23 15	0 32	10 44	0 53	20 42	1 21	9 45	0 29	11 31	1 53	23 10	16 55	11 35	11 6	14 51			n.a.
F 13	23 2	19 28	4 4	18 32	0 9	22 18	0 38	23 21	0 32	10 45	0 53	20 41	1 21	9 46	0 29	11 31	1 52	23 9	16 55	11 38	11 7	14 52			n.a.
S 14	22 56	18 48	3 9	18 2	0s 0	22 28	0 35	23 26	0 33	10 46	0 53	20 39	1 21	9 46	0 29	11 31	1 52	23 8	16 54	11 40	11 8	14 54			n.a.
S 15	22 49	16 55	2 3	17 31	0 9	22 38	0 32	23 31	0 34	10 47	0 53	20 37	1 21	9 47	0 29	11 31	1 52	23 7	16 54	11 41	11 10	14 55			n.a.
M16	22 42	14 5	0 50	17 1	0 18	22 48	0 29	23 35	0 34	10 48	0 52	20 35	1 21	9 47	0 29	11 31	1 52	23 6	16 53	11 42	11 11	14 57			n.a.
T 17	22 35	10 33	0n23	16 30	0 27	22 56	0 26	23 40	0 35	10 49	0 52	20 34	1 21	9 48	0 29	11 31	1 52	23 5	16 53	11 42	11 12	14 58			n.a.
W18	22 27	6 36	1 32	15 59	0 37	23 4	0 23	23 44	0 36	10 50	0 52	20 32	1 21	9 48	0 29	11 31	1 52	23 4	16 53	11 42	11 13	15 0			n.a.
T 19	22 19	2 29	2 35	15 28	0 46	23 12	0 20	23 49	0 36	10 51	0 52	20 30	1 21	9 48	0 29	11 31	1 52	23 3	16 52	11 41	11 14	15 1			n.a.
F 20	22 10	1s38	3 30	14 58	0 56	23 18	0 18	23 53	0 37	10 53	0 51	20 28	1 21	9 49	0 29	11 31	1 52	23 2	16 52	11 41	11 15	15 3			n.a.
S 21	22 1	5 36	4 13	14 27	1 6	23 24	0 15	23 56	0 37	10 54	0 51	20 27	1 21	9 49	0 29	11 31	1 52	23 1	16 51	11 41	11 16	15 4			n.a.
S 22	21 52	9 17	4 45	13 57	1 16	23 30	0 12	24 0	0 38	10 56	0 51	20 25	1 21	9 49	0 29	11 31	1 52	22 59	16 51	11 41	11 18	15 5			n.a.
M23	21 42	12 34	5 5	13 27	1 26	23 34	0 9	24 4	0 39	10 57	0 51	20 23	1 21	9 50	0 29	11 31	1 52	22 58	16 51	11 42	11 19	15 7			n.a.
T 24	21 32	15 21	5 11	12 58	1 36	23 38	0 6	24 7	0 39	10 59	0 50	20 21	1 21	9 50	0 29	11 31	1 52	22 57	16 50	11 43	11 20	15 8			n.a.
W25	21 21	17 30	5 4	12 29	1 46	23 42	0 4	24 10	0 40	11 0	0 50	20 19	1 21	9 50	0 29	11 31	1 52	22 56	16 50	11 45	11 21	15 10			n.a.
T 26	21 10	18 54	4 43	12 2	1 57	23 44	0 1	24 13	0 41	11 2	0 50	20 18	1 21	9 50	0 29	11 31	1 52	22 55	16 49	11 47	11 22	15 11			n.a.
F 27	20 59	19 27	4 10	11 34	2 7	23 46	0n 2	24 16	0 41	11 4	0 49	20 16	1 21	9 51	0 29	11 31	1 52	22 54	16 49	11 49	11 23	15 12			n.a.
S 28	20 47	19 5	3 24	11 8	2 17	23 47	0 5	24 18	0 42	11 6	0 49	20 14	1 21	9 51	0 29	11 31	1 51	22 53	16 49	11 51	11 24	15 14			n.a.
S 29	20 35	17 47	2 28	10 43	2 27	23 48	0 7	24 21	0 43	11 7	0 49	20 12	1 21	9 51	0 29	11 31	1 51	22 52	16 48	11 53	11 25	15 15			n.a.
M30	20 23	15 35	1 24	10 19	2 37	23 48	0 10	24 23	0 43	11 9	0 49	20 10	1 21	9 51	0 29	11 31	1 51	22 51	16 48	11 53	11 27	15 17			n.a.
T 31	20n10	12s34	0n14	9n56	2s47	23n47	0n13	24n25	0n44	11s11	0n48	20n 8	1n21	9n51	0s29	11s32	1n51	22n50	16n48	11n54	11n28	15s18			n.a.

Julian Day Number = 1540075.5, Delta T = 04h38m20s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'48, Lahiri = -10°48'47 Julian Calendar 1 July 497 BCE == Greg. Calendar 26 June 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

AUGUST 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 15 32	2♌ 5'22	9♓50	27♌57	8♋15	26♊19	1♏ 0	6♌53	26♈22	4♏45	11♍20	29♌13	0♍23	29♏42	n.a.	W 1
T 2	20 19 29	3° 3'33	23°11	28°28	9°28	26°57	1° 5	7° 0	26°22	4°45	11°22	29°15	0°20	29°49	n.a.	T 2
F 3	20 23 25	4° 1'46	6♈46	28°54	10°42	27°35	1°11	7° 8	26°23	4°45	11°24	29°16	0°17	29°55	n.a.	F 3
S 4	20 27 22	5° 0'01	20°33	29°16	11°55	28°12	1°16	7°15	26°23	4°46	11°26	29°17	0°14	0♐ 2	n.a.	S 4
S 5	20 31 19	5°58'18	4♉33	29°32	13° 9	28°50	1°22	7°23	26°23	4°46	11°28	29°R18	0°10	0° 9	n.a.	S 5
M 6	20 35 15	6°56'38	18°44	29°43	14°22	29°28	1°28	7°30	26°23	4°47	11°30	29°17	0° 7	0°16	n.a.	M 6
T 7	20 39 12	7°54'59	3♊ 5	29°R48	15°36	0♋ 5	1°34	7°37	26°23	4°47	11°33	29°16	0° 4	0°22	n.a.	T 7
W 8	20 43 8	8°53'24	17°32	29°48	16°50	0°43	1°40	7°45	26°R23	4°48	11°35	29°14	0° 1	0°29	n.a.	W 8
T 9	20 47 5	9°51'50	2♋ 1	29°40	18° 3	1°21	1°47	7°52	26°23	4°48	11°37	29°11	29♌58	0°36	n.a.	T 9
F 10	20 51 1	10°50'18	16°27	29°27	19°17	1°58	1°53	8° 0	26°23	4°49	11°39	29° 9	29°54	0°43	n.a.	F 10
S 11	20 54 58	11°48'49	0♌43	29° 7	20°31	2°35	2° 0	8° 7	26°23	4°49	11°41	29° 7	29°51	0°49	n.a.	S 11
S 12	20 58 54	12°47'22	14°46	28°40	21°45	3°13	2° 6	8°15	26°23	4°50	11°43	29° 6	29°48	0°56	n.a.	S 12
M13	21 2 51	13°45'57	28°30	28° 6	22°59	3°50	2°13	8°22	26°23	4°51	11°45	29°D 5	29°45	1° 3	n.a.	M13
T 14	21 6 48	14°44'33	11♍53	27°26	24°13	4°28	2°20	8°30	26°22	4°51	11°47	29° 5	29°42	1° 9	n.a.	T 14
W15	21 10 44	15°43'12	24°56	26°39	25°27	5° 5	2°28	8°37	26°22	4°52	11°50	29° 6	29°39	1°16	n.a.	W15
T 16	21 14 41	16°41'52	7♎38	25°47	26°41	5°42	2°35	8°45	26°21	4°53	11°52	29° 7	29°35	1°23	n.a.	T 16
F 17	21 18 37	17°40'34	20° 3	24°50	27°55	6°19	2°42	8°52	26°21	4°54	11°54	29° 9	29°32	1°30	n.a.	F 17
S 18	21 22 34	18°39'18	2♏13	23°49	29° 9	6°56	2°50	8°59	26°21	4°54	11°56	29° 9	29°29	1°36	n.a.	S 18
S 19	21 26 30	19°38'04	14°13	22°45	0♌23	7°34	2°58	9° 7	26°20	4°55	11°58	29°10	29°26	1°43	n.a.	S 19
M20	21 30 27	20°36'52	26° 7	21°40	1°38	8°11	3° 6	9°14	26°19	4°56	12° 1	29°R10	29°23	1°50	n.a.	M20
T 21	21 34 23	21°35'42	8♐ 1	20°35	2°52	8°48	3°14	9°22	26°19	4°57	12° 3	29° 9	29°20	1°56	n.a.	T 21
W22	21 38 20	22°34'33	19°57	19°32	4° 6	9°25	3°22	9°29	26°18	4°58	12° 5	29° 9	29°16	2° 3	n.a.	W22
T 23	21 42 16	23°33'27	2♑ 2	18°33	5°21	10° 1	3°30	9°36	26°17	4°59	12° 7	29° 8	29°13	2°10	n.a.	T 23
F 24	21 46 13	24°32'22	14°18	17°38	6°35	10°38	3°38	9°44	26°17	5° 0	12°10	29° 7	29°10	2°17	n.a.	F 24
S 25	21 50 10	25°31'19	26°47	16°50	7°50	11°15	3°47	9°51	26°16	5° 1	12°12	29° 7	29° 7	2°23	n.a.	S 25
S 26	21 54 6	26°30'19	9♒33	16°10	9° 4	11°52	3°56	9°58	26°15	5° 2	12°14	29° 7	29° 4	2°30	n.a.	S 26
M27	21 58 3	27°29'20	22°36	15°39	10°19	12°29	4° 4	10° 6	26°14	5° 3	12°17	29° 7	29° 0	2°37	n.a.	M27
T 28	22 1 59	28°28'23	5♓55	15°17	11°33	13° 5	4°13	10°13	26°13	5° 4	12°19	29°D 7	28°57	2°44	n.a.	T 28
W29	22 5 56	29°27'29	19°29	15° 5	12°48	13°42	4°22	10°20	26°12	5° 5	12°21	29°R 7	28°54	2°50	n.a.	W29
T 30	22 9 52	0♍26'37	3♈17	15°D 4	14° 2	14°19	4°31	10°27	26°11	5° 7	12°24	29° 6	28°51	2°57	n.a.	T 30
F 31	22 13 49	1♍25'47	17♈15	15♌13	15♌17	14♋55	4♏41	10♌34	26♈10	5♏ 8	12♍26	29♌ 6	28♌48	3♐ 4	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	19n57	8s53	0s58	9n35	2s56	23n45	0n15	24n26	0n44	11s13	0n48	20n 6	1n21	9n51	0s29	11s32	1n51	22n49	16n47	11n54	11n29	15s19			n.a.
T 2	19 44	4 41	2 8	9 16	3 6	23 43	0 18	24 28	0 45	11 15	0 48	20 5	1 21	9 51	0 29	11 32	1 51	22 48	16 47	11 53	11 30	15 21			n.a.
F 3	19 30	0 13	3 12	8 58	3 15	23 40	0 21	24 30	0 46	11 18	0 48	20 3	1 22	9 51	0 29	11 32	1 51	22 47	16 47	11 53	11 31	15 22			n.a.
S 4	19 16	4n20	4 6	8 42	3 24	23 36	0 23	24 31	0 46	11 20	0 47	20 1	1 22	9 52	0 29	11 32	1 51	22 46	16 46	11 52	11 32	15 24			n.a.
S 5	19 2	8 43	4 46	8 29	3 32	23 31	0 26	24 32	0 47	11 22	0 47	19 59	1 22	9 52	0 29	11 32	1 51	22 45	16 46	11 52	11 33	15 25			n.a.
M 6	18 47	12 40	5 9	8 18	3 40	23 26	0 28	24 33	0 48	11 24	0 47	19 57	1 22	9 52	0 29	11 33	1 51	22 43	16 46	11 52	11 35	15 26			n.a.
T 7	18 32	15 55	5 14	8 9	3 47	23 20	0 31	24 33	0 48	11 27	0 47	19 55	1 22	9 52	0 29	11 33	1 51	22 42	16 45	11 53	11 36	15 28			n.a.
W 8	18 16	18 12	4 59	8 4	3 53	23 14	0 33	24 34	0 49	11 29	0 47	19 53	1 22	9 52	0 29	11 33	1 51	22 41	16 45	11 53	11 37	15 29			n.a.
T 9	18 1	19 20	4 25	8 1	3 58	23 6	0 36	24 34	0 50	11 31	0 46	19 51	1 22	9 52	0 29	11 33	1 51	22 40	16 45	11 54	11 38	15 31			n.a.
F 10	17 45	19 11	3 34	8 2	4 3	22 58	0 38	24 34	0 50	11 34	0 46	19 50	1 22	9 52	0 29	11 34	1 51	22 39	16 45	11 55	11 39	15 32			n.a.
S 11	17 28	17 49	2 30	8 6	4 6	22 50	0 40	24 34	0 51	11 36	0 46	19 48	1 22	9 51	0 29	11 34	1 51	22 38	16 44	11 56	11 40	15 33			n.a.
S 12	17 12	15 22	1 18	8 13	4 8	22 40	0 42	24 34	0 51	11 39	0 46	19 46	1 22	9 51	0 29	11 34	1 50	22 37	16 44	11 56	11 41	15 35			n.a.
M13	16 55	12 6	0 3	8 25	4 8	22 30	0 45	24 34	0 52	11 42	0 45	19 44	1 22	9 51	0 29	11 34	1 50	22 36	16 44	11 57	11 42	15 36			n.a.
T 14	16 37	8 16	1n10	8 40	4 7	22 19	0 47	24 33	0 53	11 44	0 45	19 42	1 22	9 51	0 29	11 35	1 50	22 35	16 44	11 56	11 44	15 38			n.a.
W15	16 20	4 9	2 18	8 58	4 4	22 8	0 49	24 33	0 53	11 47	0 45	19 40	1 22	9 51	0 29	11 35	1 50	22 34	16 43	11 56	11 45	15 39			n.a.
T 16	16 2	0s 3	3 17	9 21	3 59	21 56	0 51	24 32	0 54	11 50	0 45	19 38	1 22	9 51	0 29	11 35	1 50	22 33	16 43	11 56	11 46	15 40			n.a.
F 17	15 44	4 9	4 6	9 46	3 52	21 43	0 53	24 31	0 55	11 53	0 44	19 36	1 23	9 51	0 29	11 36	1 50	22 32	16 43	11 55	11 47	15 42			n.a.
S 18	15 26	7 59	4 43	10 15	3 44	21 30	0 55	24 29	0 55	11 55	0 44	19 34	1 23	9 50	0 29	11 36	1 50	22 31	16 43	11 55	11 48	15 43			n.a.
S 19	15 7	11 27	5 6	10 46	3 33	21 16	0 57	24 28	0 56	11 58	0 44	19 32	1 23	9 50	0 29	11 36	1 50	22 30	16 43	11 55	11 49	15 44			n.a.
M20	14 49	14 25	5 16	11 19	3 20	21 1	0 59	24 26	0 57	12 1	0 44	19 31	1 23	9 50	0 29	11 37	1 50	22 28	16 42	11 55	11 50	15 46			n.a.
T 21	14 29	16 47	5 13	11 53	3 5	20 46	1 1	24 25	0 57	12 4	0 44	19 29	1 23	9 50	0 29	11 37	1 50	22 27	16 42	11 55	11 51	15 47			n.a.
W22	14 10	18 27	4 56	12 29	2 49	20 30	1 3	24 23	0 58	12 7	0 43	19 27	1 23	9 50	0 29	11 37	1 50	22 26	16 42	11 55	11 53	15 48			n.a.
T 23	13 51	19 18	4 26	13 4	2 32	20 13	1 4	24 21	0 59	12 10	0 43	19 25	1 23	9 49	0 29	11 38	1 50	22 25	16 42	11 56	11 54	15 50			n.a.
F 24	13 31	19 16	3 44	13 38	2 13	19 56	1 6	24 18	0 59	12 13	0 43	19 23	1 23	9 49	0 29	11 38	1 50	22 24	16 42	11 56	11 55	15 51			n.a.
S 25	13 11	18 18	2 50	14 11	1 54	19 38	1 8	24 16	1 0	12 16	0 43	19 21	1 23	9 49	0 29	11 39	1 50	22 23	16 42	11 56	11 56	15 53			n.a.
S 26	12 51	16 23	1 46	14 42	1 34	19 20	1 9	24 13	1 1	12 20	0 43	19 19	1 23	9 48	0 29	11 39	1 50	22 22	16 41	11 56	11 57	15 54			n.a.
M27	12 30	13 36	0 36	15 11	1 14	19 1	1 11	24 10	1 1	12 23	0 42	19 17	1 24	9 48	0 29	11 40	1 50	22 21	16 41	11 56	11 58	15 55			n.a.
T 28	12 10	10 3	0s38	15 36	0 55	18 42	1 12	24 8	1 2	12 26	0 42	19 15	1 24	9 48	0 29	11 40	1 49	22 20	16 41	11 56	11 59	15 57			n.a.
W29	11 49	5 54	1 51	15 58	0 35	18 22	1 13	24 4	1 2	12 29	0 42	19 13	1 24	9 47	0 29	11 40	1 49	22 19	16 41	11 56	12 0	15 58			n.a.
T 30	11 28	1 24	2 58	16 15	0 17	18 1	1 15	24 1	1 3	12 33	0 42	19 12	1 24	9 47	0 30	11 41	1 49	22 18	16 41	11 56	12 2	15 59			n.a.
F 31	11n 6	3n14	3s56	16n29	0n 1	17n40	1n16	23n58	1n 4	12s36	0n41	19n10	1n24	9n46	0s30	11s41	1n49	22n17	16n41	11n56	12n 3	16s 1			n.a.

Julian Day Number = 1540106.5, Delta T = 04h38m19s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'44, Lahiri = -10°48'43 Julian Calendar 1 Aug. 497 BCE == Greg. Calendar 27 July 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

SEPTEMBER 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 17 45	2♍24'59	1♉21	15♌33	16♌32	15♋32	4♏50	10♌41	26°R 9	5♏ 9	12♍28	29°R 6	28♌45	3♐10	n.a.	S 1
S 2	22 21 42	3°24'14	15°32	16° 2	17°47	16° 8	5° 0	10°49	26♈ 7	5°10	12°31	29♌ 6	28°41	3°17	n.a.	S 2
M 3	22 25 38	4°23'32	29°46	16°41	19° 1	16°44	5° 9	10°56	26° 6	5°12	12°33	29°D 5	28°38	3°24	n.a.	M 3
T 4	22 29 35	5°22'52	13♊58	17°28	20°16	17°21	5°19	11° 3	26° 5	5°13	12°35	29° 5	28°35	3°31	n.a.	T 4
W 5	22 33 32	6°22'15	28° 8	18°24	21°31	17°57	5°29	11°10	26° 3	5°14	12°38	29° 6	28°32	3°37	n.a.	W 5
T 6	22 37 28	7°21'40	12♋13	19°26	22°46	18°33	5°39	11°17	26° 2	5°16	12°40	29° 6	28°29	3°44	n.a.	T 6
F 7	22 41 25	8°21'07	26°10	20°35	24° 1	19°10	5°49	11°24	26° 1	5°17	12°42	29° 7	28°25	3°51	n.a.	F 7
S 8	22 45 21	9°20'37	9♌58	21°50	25°16	19°46	5°59	11°31	25°59	5°19	12°45	29° 8	28°22	3°58	n.a.	S 8
S 9	22 49 18	10°20'09	23°34	23°10	26°31	20°22	6° 9	11°37	25°58	5°20	12°47	29°R 9	28°19	4° 4	n.a.	S 9
M10	22 53 14	11°19'43	6♍57	24°35	27°46	20°58	6°19	11°44	25°56	5°22	12°50	29° 8	28°16	4°11	n.a.	M10
T 11	22 57 11	12°19'19	20° 5	26° 3	29° 1	21°34	6°30	11°51	25°54	5°23	12°52	29° 8	28°13	4°18	n.a.	T 11
W12	23 1 7	13°18'58	2♎57	27°34	0♍16	22°10	6°40	11°58	25°53	5°25	12°54	29° 6	28°10	4°24	n.a.	W12
T 13	23 5 4	14°18'38	15°34	29° 8	1°31	22°46	6°51	12° 5	25°51	5°26	12°57	29° 4	28° 6	4°31	n.a.	T 13
F 14	23 9 1	15°18'21	27°55	0♍44	2°46	23°21	7° 2	12°11	25°49	5°28	12°59	29° 2	28° 3	4°38	n.a.	F 14
S 15	23 12 57	16°18'05	10♏ 5	2°21	4° 1	23°57	7°12	12°18	25°48	5°29	13° 2	28°59	28° 0	4°45	n.a.	S 15
S 16	23 16 54	17°17'51	22° 5	4° 0	5°17	24°33	7°23	12°25	25°46	5°31	13° 4	28°57	27°57	4°51	n.a.	S 16
M17	23 20 50	18°17'39	3♐59	5°40	6°32	25° 9	7°34	12°31	25°44	5°33	13° 6	28°55	27°54	4°58	n.a.	M17
T 18	23 24 47	19°17'29	15°51	7°21	7°47	25°44	7°45	12°38	25°42	5°34	13° 9	28°D55	27°51	5° 5	n.a.	T 18
W19	23 28 43	20°17'21	27°46	9° 2	9° 2	26°20	7°57	12°44	25°40	5°36	13°11	28°55	27°47	5°11	n.a.	W19
T 20	23 32 40	21°17'15	9♑50	10°44	10°17	26°55	8° 8	12°51	25°38	5°38	13°13	28°56	27°44	5°18	n.a.	T 20
F 21	23 36 36	22°17'11	22° 5	12°25	11°33	27°31	8°19	12°57	25°36	5°40	13°16	28°57	27°41	5°25	n.a.	F 21
S 22	23 40 33	23°17'08	4♒38	14° 7	12°48	28° 6	8°31	13° 3	25°34	5°41	13°18	28°59	27°38	5°32	n.a.	S 22
S 23	23 44 29	24°17'07	17°31	15°49	14° 3	28°41	8°42	13° 9	25°32	5°43	13°21	29° 0	27°35	5°38	n.a.	S 23
M24	23 48 26	25°17'08	0♓45	17°30	15°19	29°16	8°54	13°16	25°30	5°45	13°23	29°R 1	27°31	5°45	n.a.	M24
T 25	23 52 23	26°17'10	14°23	19°12	16°34	29°52	9° 5	13°22	25°28	5°47	13°25	29° 0	27°28	5°52	n.a.	T 25
W26	23 56 19	27°17'15	28°21	20°53	17°49	0♌27	9°17	13°28	25°26	5°49	13°28	28°58	27°25	5°59	n.a.	W26
T 27	0 0 16	28°17'22	12♈38	22°33	19° 5	1° 2	9°29	13°34	25°24	5°50	13°30	28°54	27°22	6° 5	n.a.	T 27
F 28	0 4 12	29°17'30	27° 6	24°14	20°20	1°37	9°41	13°40	25°22	5°52	13°32	28°50	27°19	6°12	n.a.	F 28
S 29	0 8 9	0♎17'41	11♉40	25°54	21°36	2°12	9°53	13°46	25°20	5°54	13°34	28°45	27°16	6°19	n.a.	S 29
S 30	0 12 5	1♎17'54	26♉14	27♍33	22♍51	2♌47	10♏ 5	13♌52	25♈17	5♏56	13♍37	28♌41	27♌12	6♐25	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n45	7n43	4s41	16n39	0n17	17n19	1n17	23n54	1n 4	12s39	0n41	19n 8	1n24	9n46	0s30	11s42	1n49	22n16	16n41	11n56	12n 4	16s 2		n.a.
S 2	10 23	11 48	5 8	16 45	0 32	16 57	1 18	23 50	1 5	12 43	0 41	19 6	1 24	9 45	0 30	11 42	1 49	22 15	16 41	11 56	12 5	16 3		n.a.
M 3	10 2	15 12	5 17	16 47	0 46	16 34	1 19	23 47	1 6	12 46	0 41	19 4	1 24	9 45	0 30	11 43	1 49	22 14	16 41	11 56	12 6	16 5		n.a.
T 4	9 40	17 42	5 6	16 44	0 59	16 11	1 20	23 43	1 6	12 50	0 41	19 2	1 25	9 44	0 30	11 43	1 49	22 13	16 41	11 56	12 7	16 6		n.a.
W 5	9 17	19 7	4 37	16 38	1 10	15 48	1 21	23 38	1 7	12 53	0 40	19 0	1 25	9 44	0 30	11 44	1 49	22 12	16 41	11 56	12 8	16 7		n.a.
T 6	8 55	19 20	3 52	16 27	1 20	15 24	1 22	23 34	1 8	12 57	0 40	18 59	1 25	9 43	0 30	11 44	1 49	22 11	16 41	11 56	12 9	16 9		n.a.
F 7	8 33	18 22	2 53	16 13	1 29	14 59	1 23	23 30	1 8	13 0	0 40	18 57	1 25	9 43	0 30	11 45	1 49	22 10	16 41	11 56	12 11	16 10		n.a.
S 8	8 10	16 19	1 44	15 56	1 37	14 35	1 24	23 25	1 9	13 4	0 40	18 55	1 25	9 42	0 30	11 45	1 49	22 9	16 41	11 56	12 12	16 11		n.a.
S 9	7 47	13 21	0 31	15 35	1 43	14 10	1 24	23 20	1 10	13 7	0 40	18 53	1 25	9 42	0 30	11 46	1 49	22 8	16 41	11 55	12 13	16 12		n.a.
M10	7 25	9 44	0n43	15 12	1 48	13 44	1 25	23 15	1 10	13 11	0 40	18 51	1 25	9 41	0 30	11 46	1 49	22 7	16 41	11 55	12 14	16 14		n.a.
T 11	7 2	5 43	1 53	14 45	1 52	13 18	1 25	23 10	1 11	13 15	0 39	18 50	1 25	9 41	0 30	11 47	1 49	22 6	16 41	11 56	12 15	16 15		n.a.
W12	6 38	1 30	2 56	14 16	1 55	12 52	1 26	23 5	1 12	13 18	0 39	18 48	1 26	9 40	0 30	11 48	1 49	22 5	16 41	11 56	12 16	16 16		n.a.
T 13	6 15	2s41	3 49	13 45	1 57	12 25	1 26	23 0	1 13	13 22	0 39	18 46	1 26	9 39	0 30	11 48	1 49	22 4	16 41	11 57	12 17	16 18		n.a.
F 14	5 52	6 40	4 30	13 12	1 58	11 58	1 27	22 54	1 13	13 26	0 39	18 44	1 26	9 39	0 30	11 49	1 48	22 4	16 41	11 58	12 18	16 19		n.a.
S 15	5 28	10 19	4 58	12 37	1 59	11 30	1 27	22 49	1 14	13 29	0 39	18 42	1 26	9 38	0 30	11 49	1 48	22 3	16 41	11 59	12 19	16 20		n.a.
S 16	5 5	13 29	5 13	12 0	1 58	11 3	1 27	22 43	1 15	13 33	0 38	18 41	1 26	9 37	0 30	11 50	1 48	22 2	16 41	11 59	12 21	16 22		n.a.
M17	4 41	16 5	5 14	11 22	1 57	10 35	1 27	22 37	1 15	13 37	0 38	18 39	1 26	9 37	0 30	11 50	1 48	22 1	16 41	12 0	12 22	16 23		n.a.
T 18	4 18	18 0	5 2	10 42	1 56	10 6	1 27	22 31	1 16	13 41	0 38	18 37	1 26	9 36	0 30	11 51	1 48	22 0	16 41	12 0	12 23	16 24		n.a.
W19	3 54	19 8	4 36	10 2	1 53	9 38	1 27	22 25	1 17	13 45	0 38	18 36	1 27	9 35	0 30	11 52	1 48	21 59	16 41	12 0	12 24	16 26		n.a.
T 20	3 30	19 25	3 58	9 20	1 51	9 9	1 27	22 19	1 17	13 48	0 38	18 34	1 27	9 35	0 30	11 52	1 48	21 58	16 41	12 0	12 25	16 27		n.a.
F 21	3 6	18 48	3 9	8 38	1 47	8 40	1 27	22 12	1 18	13 52	0 38	18 32	1 27	9 34	0 30	11 53	1 48	21 57	16 41	11 59	12 26	16 28		n.a.
S 22	2 42	17 15	2 10	7 55	1 44	8 10	1 27	22 6	1 19	13 56	0 37	18 30	1 27	9 33	0 30	11 54	1 48	21 57	16 41	11 59	12 27	16 29		n.a.
S 23	2 18	14 48	1 3	7 11	1 40	7 41	1 27	21 59	1 19	14 0	0 37	18 29	1 27	9 32	0 30	11 54	1 48	21 56	16 41	11 58	12 28	16 31		n.a.
M24	1 54	11 30	0s10	6 27	1 35	7 11	1 26	21 53	1 20	14 4	0 37	18 27	1 27	9 32	0 30	11 55	1 48	21 55	16 41	11 58	12 29	16 32		n.a.
T 25	1 30	7 30	1 23	5 43	1 30	6 41	1 26	21 46	1 21	14 8	0 37	18 26	1 28	9 31	0 30	11 56	1 48	21 54	16 42	11 58	12 31	16 33		n.a.
W26	1 6	3 1	2 34	4 58	1 25	6 11	1 25	21 39	1 22	14 12	0 37	18 24	1 28	9 30	0 30	11 56	1 48	21 53	16 42	11 59	12 32	16 35		n.a.
T 27	0 41	1n44	3 36	4 13	1 20	5 40	1 25	21 32	1 22	14 16	0 37	18 22	1 28	9 29	0 30	11 57	1 48	21 52	16 42	12 0	12 33	16 36		n.a.
F 28	0 17	6 27	4 26	3 28	1 15	5 10	1 24	21 25	1 23	14 20	0 36	18 21	1 28	9 28	0 30	11 58	1 48	21 52	16 42	12 2	12 34	16 37		n.a.
S 29	0s 7	10 48	4 58	2 43	1 9	4 39	1 23	21 17	1 24	14 24	0 36	18 19	1 28	9 28	0 30	11 58	1 48	21 51	16 42	12 4	12 35	16 38		n.a.
S 30	0s31	14n31	5s12	1n57	1n 3	4n 8	1n23	21n10	1n24	14s28	0n36	18n18	1n28	9n27	0s30	11s59	1n48	21n50	16n42	12n 5	12n36	16s40		n.a.

Julian Day Number = 1540137.5, Delta T = 04h38m17s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'39, Lahiri = -10°48'39 Julian Calendar 1 Sept. 497 BCE == Greg. Calendar 27 Aug. 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

OCTOBER 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 16 2	2♎18'09	10♊41	29♍12	24♍ 6	3♌21	10♏17	13♌57	25°R15	5♏58	13♍39	28°R37	27♌ 9	6♐32	n.a.	M 1
T 2	0 19 58	3°18'26	24°58	0♎51	25°22	3°56	10°29	14° 3	25♈13	6° 0	13°41	28♌36	27° 6	6°39	n.a.	T 2
W 3	0 23 55	4°18'46	9♋ 3	2°29	26°37	4°31	10°41	14° 9	25°11	6° 2	13°44	28°D36	27° 3	6°46	n.a.	W 3
T 4	0 27 52	5°19'08	22°53	4° 7	27°53	5° 5	10°54	14°15	25° 8	6° 4	13°46	28°37	27° 0	6°52	n.a.	T 4
F 5	0 31 48	6°19'31	6♌29	5°44	29° 8	5°40	11° 6	14°20	25° 6	6° 6	13°48	28°38	26°57	6°59	n.a.	F 5
S 6	0 35 45	7°19'57	19°53	7°22	0♎24	6°14	11°18	14°26	25° 4	6° 8	13°50	28°39	26°53	7° 6	n.a.	S 6
S 7	0 39 41	8°20'25	3♍ 3	8°58	1°39	6°49	11°31	14°31	25° 1	6°10	13°53	28°R40	26°50	7°12	n.a.	S 7
M 8	0 43 38	9°20'55	16° 2	10°35	2°55	7°23	11°43	14°36	24°59	6°12	13°55	28°38	26°47	7°19	n.a.	M 8
T 9	0 47 34	10°21'26	28°49	12°11	4°10	7°57	11°56	14°42	24°56	6°14	13°57	28°34	26°44	7°26	n.a.	T 9
W10	0 51 31	11°21'59	11♎26	13°46	5°26	8°31	12° 9	14°47	24°54	6°16	13°59	28°29	26°41	7°33	n.a.	W10
T 11	0 55 27	12°22'34	23°51	15°21	6°42	9° 5	12°21	14°52	24°52	6°18	14° 1	28°21	26°37	7°39	n.a.	T 11
F 12	0 59 24	13°23'11	6♏ 5	16°56	7°57	9°39	12°34	14°57	24°49	6°21	14° 4	28°12	26°34	7°46	n.a.	F 12
S 13	1 3 20	14°23'49	18°11	18°31	9°13	10°13	12°47	15° 2	24°47	6°23	14° 6	28° 3	26°31	7°53	n.a.	S 13
S 14	1 7 17	15°24'29	0♐ 8	20° 6	10°28	10°47	13° 0	15° 7	24°44	6°25	14° 8	27°55	26°28	8° 0	n.a.	S 14
M15	1 11 14	16°25'10	12° 0	21°40	11°44	11°21	13°13	15°12	24°42	6°27	14°10	27°47	26°25	8° 6	n.a.	M15
T 16	1 15 10	17°25'52	23°51	23°14	12°59	11°54	13°26	15°16	24°39	6°29	14°12	27°42	26°22	8°13	n.a.	T 16
W17	1 19 7	18°26'36	5♑43	24°47	14°15	12°28	13°39	15°21	24°37	6°31	14°14	27°39	26°18	8°20	n.a.	W17
T 18	1 23 3	19°27'21	17°43	26°21	15°31	13° 1	13°52	15°26	24°34	6°33	14°16	27°D38	26°15	8°26	n.a.	T 18
F 19	1 27 0	20°28'07	29°54	27°54	16°46	13°35	14° 5	15°30	24°32	6°36	14°18	27°38	26°12	8°33	n.a.	F 19
S 20	1 30 56	21°28'54	12♒23	29°27	18° 2	14° 8	14°18	15°35	24°29	6°38	14°20	27°39	26° 9	8°40	n.a.	S 20
S 21	1 34 53	22°29'43	25°13	1♏ 0	19°17	14°41	14°31	15°39	24°27	6°40	14°22	27°R40	26° 6	8°47	n.a.	S 21
M22	1 38 49	23°30'32	8♓30	2°33	20°33	15°14	14°45	15°43	24°24	6°42	14°24	27°40	26° 2	8°53	n.a.	M22
T 23	1 42 46	24°31'23	22°14	4° 5	21°49	15°47	14°58	15°47	24°22	6°44	14°26	27°37	25°59	9° 0	n.a.	T 23
W24	1 46 43	25°32'15	6♈26	5°37	23° 4	16°20	15°11	15°51	24°19	6°47	14°28	27°32	25°56	9° 7	n.a.	W24
T 25	1 50 39	26°33'08	21° 2	7°10	24°20	16°53	15°24	15°55	24°17	6°49	14°30	27°24	25°53	9°13	n.a.	T 25
F 26	1 54 36	27°34'02	5♉55	8°42	25°35	17°25	15°38	15°59	24°14	6°51	14°32	27°15	25°50	9°20	n.a.	F 26
S 27	1 58 32	28°34'57	20°57	10°14	26°51	17°58	15°51	16° 3	24°12	6°53	14°34	27° 5	25°47	9°27	n.a.	S 27
S 28	2 2 29	29°35'54	5♊58	11°45	28° 7	18°30	16° 5	16° 7	24° 9	6°56	14°36	26°56	25°43	9°34	n.a.	S 28
M29	2 6 25	0♏36'53	20°49	13°17	29°22	19° 3	16°18	16°10	24° 7	6°58	14°37	26°49	25°40	9°40	n.a.	M29
T 30	2 10 22	1°37'52	5♋22	14°48	0♏38	19°35	16°32	16°14	24° 4	7° 0	14°39	26°43	25°37	9°47	n.a.	T 30
W31	2 14 18	2♏38'53	19♋35	16♏19	1♏53	20♌ 7	16♏45	16♌17	24♈ 2	7♏ 2	14♍41	26♌40	25♌34	9♐54	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	0s56	17n19	5s 5	1n12	0n57	3n37	1n22	21n 2	1n25	14s32	0n36	18n16	1n29	9n26	0s30	12s 0	1n48	21n49	16n43	12n 6	12n37	16s41		n.a.
T 2	1 20	19 0	4 40	0 26	0 51	3 6	1 21	20 55	1 26	14 36	0 36	18 15	1 29	9 25	0 30	12 0	1 48	21 49	16 43	12 7	12 38	16 42		n.a.
W 3	1 44	19 29	3 58	0s19	0 45	2 35	1 20	20 47	1 27	14 40	0 36	18 13	1 29	9 24	0 30	12 1	1 48	21 48	16 43	12 7	12 39	16 43		n.a.
T 4	2 8	18 47	3 2	1 4	0 39	2 4	1 19	20 39	1 27	14 44	0 36	18 12	1 29	9 23	0 30	12 2	1 48	21 47	16 43	12 7	12 40	16 45		n.a.
F 5	2 33	17 0	1 58	1 49	0 32	1 32	1 18	20 31	1 28	14 48	0 35	18 10	1 29	9 23	0 30	12 2	1 48	21 47	16 43	12 6	12 42	16 46		n.a.
S 6	2 57	14 18	0 48	2 34	0 26	1 1	1 17	20 23	1 29	14 52	0 35	18 9	1 30	9 22	0 30	12 3	1 48	21 46	16 44	12 6	12 43	16 47		n.a.
S 7	3 21	10 53	0n24	3 18	0 19	0 30	1 16	20 15	1 30	14 56	0 35	18 7	1 30	9 21	0 30	12 4	1 48	21 45	16 44	12 6	12 44	16 48		n.a.
M 8	3 45	7 0	1 33	4 3	0 13	0s 2	1 15	20 7	1 30	15 0	0 35	18 6	1 30	9 20	0 30	12 4	1 48	21 44	16 44	12 6	12 45	16 50		n.a.
T 9	4 9	2 51	2 36	4 47	0 6	0 33	1 14	19 59	1 31	15 4	0 35	18 4	1 30	9 19	0 30	12 5	1 47	21 44	16 44	12 7	12 46	16 51		n.a.
W10	4 33	1s21	3 30	5 30	0s 0	1 5	1 12	19 51	1 32	15 8	0 35	18 3	1 30	9 18	0 30	12 6	1 47	21 43	16 45	12 9	12 47	16 52		n.a.
T 11	4 57	5 27	4 14	6 14	0 7	1 36	1 11	19 42	1 33	15 12	0 35	18 2	1 31	9 17	0 30	12 7	1 47	21 43	16 45	12 12	12 48	16 53		n.a.
F 12	5 21	9 15	4 45	6 57	0 13	2 8	1 10	19 34	1 33	15 16	0 34	18 0	1 31	9 16	0 30	12 7	1 47	21 42	16 45	12 15	12 49	16 55		n.a.
S 13	5 45	12 37	5 3	7 39	0 20	2 39	1 8	19 25	1 34	15 20	0 34	17 59	1 31	9 15	0 30	12 8	1 47	21 41	16 45	12 18	12 50	16 56		n.a.
S 14	6 9	15 27	5 7	8 22	0 26	3 11	1 7	19 17	1 35	15 24	0 34	17 58	1 31	9 15	0 30	12 9	1 47	21 41	16 46	12 21	12 51	16 57		n.a.
M15	6 32	17 36	4 58	9 3	0 33	3 42	1 5	19 8	1 36	15 28	0 34	17 57	1 31	9 14	0 30	12 10	1 47	21 40	16 46	12 24	12 53	16 58		n.a.
T 16	6 56	19 1	4 36	9 45	0 39	4 13	1 3	18 59	1 36	15 32	0 34	17 55	1 32	9 13	0 30	12 10	1 47	21 40	16 46	12 26	12 54	17 0		n.a.
W17	7 19	19 36	4 2	10 26	0 45	4 45	1 2	18 50	1 37	15 36	0 34	17 54	1 32	9 12	0 30	12 11	1 47	21 39	16 47	12 27	12 55	17 1		n.a.
T 18	7 43	19 18	3 18	11 6	0 52	5 16	1 0	18 41	1 38	15 40	0 34	17 53	1 32	9 11	0 30	12 12	1 47	21 39	16 47	12 27	12 56	17 2		n.a.
F 19	8 6	18 6	2 23	11 46	0 58	5 47	0 58	18 32	1 39	15 44	0 33	17 52	1 32	9 10	0 30	12 12	1 47	21 38	16 47	12 27	12 57	17 3		n.a.
S 20	8 29	16 1	1 21	12 25	1 4	6 18	0 56	18 23	1 40	15 49	0 33	17 51	1 32	9 9	0 30	12 13	1 47	21 38	16 48	12 27	12 58	17 4		n.a.
S 21	8 52	13 5	0 13	13 4	1 10	6 48	0 55	18 14	1 40	15 53	0 33	17 50	1 33	9 8	0 30	12 14	1 47	21 37	16 48	12 26	12 59	17 6		n.a.
M22	9 15	9 23	0s58	13 42	1 15	7 19	0 53	18 5	1 41	15 57	0 33	17 49	1 33	9 7	0 30	12 15	1 47	21 37	16 48	12 27	13 0	17 7		n.a.
T 23	9 37	5 4	2 8	14 19	1 21	7 49	0 51	17 56	1 42	16 1	0 33	17 47	1 33	9 6	0 30	12 15	1 47	21 36	16 49	12 27	13 1	17 8		n.a.
W24	10 0	0 21	3 12	14 56	1 26	8 20	0 49	17 47	1 43	16 5	0 33	17 46	1 33	9 5	0 30	12 16	1 47	21 36	16 49	12 29	13 2	17 9		n.a.
T 25	10 22	4n32	4 5	15 31	1 32	8 50	0 47	17 37	1 43	16 9	0 33	17 45	1 33	9 4	0 30	12 17	1 47	21 35	16 49	12 32	13 3	17 10		n.a.
F 26	10 45	9 13	4 43	16 7	1 37	9 19	0 45	17 28	1 44	16 13	0 33	17 44	1 34	9 3	0 30	12 18	1 47	21 35	16 50	12 35	13 5	17 12		n.a.
S 27	11 7	13 23	5 2	16 41	1 42	9 49	0 43	17 19	1 45	16 17	0 33	17 44	1 34	9 3	0 30	12 18	1 47	21 35	16 50	12 38	13 6	17 13		n.a.
S 28	11 29	16 40	5 0	17 15	1 46	10 18	0 41	17 9	1 46	16 21	0 32	17 43	1 34	9 2	0 30	12 19	1 47	21 34	16 51	12 42	13 7	17 14		n.a.
M29	11 50	18 49	4 38	17 47	1 51	10 47	0 39	17 0	1 47	16 25	0 32	17 42	1 34	9 1	0 30	12 20	1 47	21 34	16 51	12 44	13 8	17 15		n.a.
T 30	12 12	19 41	3 58	18 19	1 55	11 16	0 37	16 50	1 48	16 29	0 32	17 41	1 35	9 0	0 30	12 21	1 47	21 34	16 51	12 46	13 9	17 16		n.a.
W31	12s33	19n16	3s 4	18s50	1s59	11s45	0n34	16n41	1n48	16s33	0n32	17n40	1n35	8n59	0s30	12s21	1n47	21n33	16n52	12n47	13n10	17s18		n.a.

Julian Day Number = 1540167.5, Delta T = 04h38m16s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'35, Lahiri = -10°48'35 Julian Calendar 1 Oct. 497 BCE == Greg. Calendar 26 Sept. 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

NOVEMBER 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 18 15	3♏39'56	3♌25	17♏50	3♏ 9	20♌39	16♏59	16♌21	23°R59	7♏ 5	14♍43	26°D40	25♌31	10♐ 0	n.a.	T 1
F 2	2 22 12	4°40'59	16°53	19°20	4°24	21°11	17°12	16°24	23♈57	7° 7	14°44	26♌40	25°28	10° 7	n.a.	F 2
S 3	2 26 8	5°42'04	0♍ 3	20°50	5°40	21°43	17°26	16°27	23°54	7° 9	14°46	26°R40	25°24	10°14	n.a.	S 3
S 4	2 30 5	6°43'10	12°56	22°20	6°56	22°15	17°39	16°30	23°52	7°11	14°48	26°39	25°21	10°21	n.a.	S 4
M 5	2 34 1	7°44'17	25°36	23°49	8°11	22°46	17°53	16°33	23°49	7°14	14°49	26°35	25°18	10°27	n.a.	M 5
T 6	2 37 58	8°45'26	8♎ 5	25°18	9°27	23°18	18° 7	16°36	23°47	7°16	14°51	26°29	25°15	10°34	n.a.	T 6
W 7	2 41 54	9°46'35	20°25	26°45	10°42	23°49	18°20	16°39	23°44	7°18	14°53	26°19	25°12	10°41	n.a.	W 7
T 8	2 45 51	10°47'45	2♏37	28°12	11°58	24°20	18°34	16°42	23°42	7°21	14°54	26° 7	25° 8	10°48	n.a.	T 8
F 9	2 49 47	11°48'56	14°42	29°38	13°14	24°51	18°48	16°44	23°40	7°23	14°56	25°53	25° 5	10°54	n.a.	F 9
S 10	2 53 44	12°50'08	26°41	1♐ 3	14°29	25°22	19° 2	16°47	23°37	7°25	14°57	25°38	25° 2	11° 1	n.a.	S 10
S 11	2 57 41	13°51'20	8♐35	2°26	15°45	25°53	19°15	16°49	23°35	7°27	14°59	25°24	24°59	11° 8	n.a.	S 11
M12	3 1 37	14°52'33	20°26	3°48	17° 0	26°24	19°29	16°51	23°33	7°30	15° 0	25°12	24°56	11°14	n.a.	M12
T 13	3 5 34	15°53'46	2♑16	5° 8	18°16	26°54	19°43	16°53	23°30	7°32	15° 2	25° 2	24°53	11°21	n.a.	T 13
W14	3 9 30	16°55'00	14° 7	6°26	19°31	27°25	19°57	16°55	23°28	7°34	15° 3	24°55	24°49	11°28	n.a.	W14
T 15	3 13 27	17°56'14	26° 5	7°41	20°47	27°55	20°10	16°57	23°26	7°36	15° 4	24°51	24°46	11°35	n.a.	T 15
F 16	3 17 23	18°57'28	8♒12	8°52	22° 2	28°25	20°24	16°59	23°24	7°39	15° 6	24°49	24°43	11°41	n.a.	F 16
S 17	3 21 20	19°58'43	20°35	10° 0	23°18	28°55	20°38	17° 1	23°22	7°41	15° 7	24°49	24°40	11°48	n.a.	S 17
S 18	3 25 17	20°59'57	3♓19	11° 4	24°33	29°25	20°52	17° 3	23°19	7°43	15° 8	24°49	24°37	11°55	n.a.	S 18
M19	3 29 13	22° 1'12	16°28	12° 4	25°49	29°54	21° 5	17° 4	23°17	7°45	15° 9	24°47	24°33	12° 1	n.a.	M19
T 20	3 33 10	23° 2'26	0♈ 6	12°57	27° 4	0♍24	21°19	17° 5	23°15	7°47	15°11	24°44	24°30	12° 8	n.a.	T 20
W21	3 37 6	24° 3'41	14°15	13°44	28°20	0°53	21°33	17° 7	23°13	7°50	15°12	24°38	24°27	12°15	n.a.	W21
T 22	3 41 3	25° 4'56	28°54	14°24	29°35	1°22	21°47	17° 8	23°11	7°52	15°13	24°29	24°24	12°22	n.a.	T 22
F 23	3 44 59	26° 6'10	13♉56	14°56	0♐51	1°51	22° 1	17° 9	23° 9	7°54	15°14	24°18	24°21	12°28	n.a.	F 23
S 24	3 48 56	27° 7'25	29°12	15°19	2° 6	2°20	22°14	17°10	23° 7	7°56	15°15	24° 7	24°18	12°35	n.a.	S 24
S 25	3 52 52	28° 8'40	14♊33	15°32	3°22	2°48	22°28	17°11	23° 5	7°58	15°16	23°55	24°14	12°42	n.a.	S 25
M26	3 56 49	29° 9'56	29°45	15°R35	4°37	3°17	22°42	17°12	23° 3	8° 0	15°17	23°45	24°11	12°48	n.a.	M26
T 27	4 0 46	0♐11'11	14♋38	15°26	5°53	3°45	22°56	17°12	23° 1	8° 3	15°18	23°38	24° 8	12°55	n.a.	T 27
W28	4 4 42	1°12'27	29° 7	15° 5	7° 8	4°13	23° 9	17°13	23° 0	8° 5	15°19	23°34	24° 5	13° 2	n.a.	W28
T 29	4 8 39	2°13'43	13♌ 9	14°32	8°24	4°41	23°23	17°13	22°58	8° 7	15°20	23°33	24° 2	13° 9	n.a.	T 29
F 30	4 12 35	3♐14'59	26♌43	13♐48	9♐39	5♍ 8	23♏37	17♌14	22♈56	8♏ 9	15♍21	23♌32	23♌59	13♐15	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s54	17n42	2s 0	19s20	2s 3	12s13	0n32	16n31	1n49	16s37	0n32	17n39	1n35	8n58	0s30	12s22	1n47	21n33	16n52	12n47	13n11	17s19		n.a.
F 2	13 15	15 9	0 52	19 49	2 6	12 41	0 30	16 22	1 50	16 41	0 32	17 38	1 35	8 57	0 30	12 23	1 47	21 33	16 53	12 47	13 12	17 20		n.a.
S 3	13 36	11 53	0n18	20 16	2 9	13 9	0 28	16 12	1 51	16 45	0 32	17 38	1 36	8 56	0 30	12 24	1 47	21 32	16 53	12 47	13 13	17 21		n.a.
S 4	13 56	8 6	1 25	20 43	2 12	13 36	0 25	16 2	1 52	16 49	0 32	17 37	1 36	8 55	0 30	12 24	1 47	21 32	16 54	12 48	13 14	17 22		n.a.
M 5	14 16	4 1	2 27	21 8	2 14	14 3	0 23	15 53	1 53	16 53	0 31	17 36	1 36	8 54	0 30	12 25	1 47	21 32	16 54	12 49	13 15	17 24		n.a.
T 6	14 36	0s11	3 21	21 32	2 16	14 30	0 21	15 43	1 54	16 57	0 31	17 36	1 36	8 53	0 30	12 26	1 47	21 32	16 55	12 51	13 16	17 25		n.a.
W 7	14 56	4 19	4 4	21 55	2 17	14 56	0 19	15 33	1 54	17 1	0 31	17 35	1 37	8 53	0 30	12 27	1 47	21 31	16 55	12 54	13 18	17 26		n.a.
T 8	15 15	8 14	4 36	22 16	2 18	15 22	0 16	15 23	1 55	17 5	0 31	17 34	1 37	8 52	0 30	12 27	1 47	21 31	16 55	12 59	13 19	17 27		n.a.
F 9	15 35	11 46	4 54	22 36	2 19	15 48	0 14	15 14	1 56	17 9	0 31	17 34	1 37	8 51	0 30	12 28	1 47	21 31	16 56	13 3	13 20	17 28		n.a.
S 10	15 54	14 48	5 0	22 54	2 19	16 13	0 12	15 4	1 57	17 13	0 31	17 33	1 37	8 50	0 30	12 29	1 47	21 31	16 56	13 8	13 21	17 29		n.a.
S 11	16 12	17 13	4 52	23 10	2 18	16 37	0 9	14 54	1 58	17 16	0 31	17 33	1 37	8 49	0 29	12 30	1 47	21 31	16 57	13 13	13 22	17 31		n.a.
M12	16 31	18 53	4 32	23 25	2 17	17 1	0 7	14 44	1 59	17 20	0 31	17 32	1 38	8 48	0 29	12 30	1 47	21 31	16 57	13 18	13 23	17 32		n.a.
T 13	16 49	19 44	4 0	23 38	2 14	17 25	0 4	14 35	2 0	17 24	0 31	17 32	1 38	8 47	0 29	12 31	1 47	21 30	16 58	13 21	13 24	17 33		n.a.
W14	17 7	19 43	3 17	23 50	2 12	17 48	0 2	14 25	2 1	17 28	0 31	17 32	1 38	8 47	0 29	12 32	1 47	21 30	16 58	13 23	13 25	17 34		n.a.
T 15	17 24	18 50	2 26	23 59	2 8	18 11	0s 0	14 15	2 2	17 32	0 30	17 31	1 38	8 46	0 29	12 33	1 47	21 30	16 59	13 25	13 26	17 35		n.a.
F 16	17 41	17 4	1 27	24 6	2 3	18 34	0 3	14 5	2 2	17 36	0 30	17 31	1 39	8 45	0 29	12 33	1 47	21 30	16 59	13 25	13 27	17 36		n.a.
S 17	17 58	14 28	0 22	24 11	1 58	18 55	0 5	13 56	2 3	17 39	0 30	17 31	1 39	8 44	0 29	12 34	1 47	21 30	17 0	13 25	13 28	17 37		n.a.
S 18	18 15	11 7	0s45	24 14	1 52	19 17	0 7	13 46	2 4	17 43	0 30	17 30	1 39	8 43	0 29	12 35	1 47	21 30	17 1	13 25	13 29	17 39		n.a.
M19	18 31	7 7	1 52	24 15	1 44	19 37	0 10	13 36	2 5	17 47	0 30	17 30	1 39	8 43	0 29	12 35	1 47	21 30	17 1	13 26	13 30	17 40		n.a.
T 20	18 47	2 37	2 55	24 14	1 35	19 57	0 12	13 27	2 6	17 51	0 30	17 30	1 40	8 42	0 29	12 36	1 47	21 30	17 2	13 27	13 32	17 41		n.a.
W21	19 2	2n10	3 49	24 10	1 25	20 17	0 15	13 17	2 7	17 54	0 30	17 30	1 40	8 41	0 29	12 37	1 47	21 30	17 2	13 29	13 33	17 42		n.a.
T 22	19 17	7 0	4 31	24 3	1 14	20 36	0 17	13 7	2 8	17 58	0 30	17 30	1 40	8 40	0 29	12 38	1 47	21 30	17 3	13 32	13 34	17 43		n.a.
F 23	19 32	11 32	4 55	23 55	1 2	20 55	0 19	12 58	2 9	18 2	0 30	17 29	1 40	8 40	0 29	12 38	1 47	21 30	17 3	13 36	13 35	17 44		n.a.
S 24	19 46	15 23	4 59	23 44	0 48	21 12	0 22	12 48	2 10	18 6	0 30	17 29	1 41	8 39	0 29	12 39	1 47	21 30	17 4	13 40	13 36	17 45		n.a.
S 25	20 0	18 11	4 41	23 30	0 33	21 30	0 24	12 38	2 11	18 9	0 30	17 29	1 41	8 38	0 29	12 40	1 47	21 30	17 4	13 43	13 37	17 46		n.a.
M26	20 14	19 42	4 4	23 14	0 16	21 46	0 26	12 29	2 12	18 13	0 29	17 29	1 41	8 37	0 29	12 40	1 47	21 31	17 5	13 47	13 38	17 48		n.a.
T 27	20 27	19 47	3 10	22 55	0n 1	22 2	0 28	12 19	2 13	18 16	0 29	17 29	1 41	8 37	0 29	12 41	1 47	21 31	17 5	13 49	13 39	17 49		n.a.
W28	20 40	18 34	2 5	22 35	0 20	22 17	0 31	12 10	2 14	18 20	0 29	17 29	1 42	8 36	0 29	12 42	1 47	21 31	17 6	13 50	13 40	17 50		n.a.
T 29	20 53	16 13	0 55	22 12	0 39	22 32	0 33	12 1	2 15	18 24	0 29	17 30	1 42	8 35	0 29	12 42	1 47	21 31	17 7	13 51	13 41	17 51		n.a.
F 30	21s 5	13n 2	0n17	21s47	0n59	22s46	0s35	11n51	2n16	18s27	0n29	17n30	1n42	8n35	0s29	12s43	1n47	21n31	17n 7	13n51	13n42	17s52		n.a.

Julian Day Number = 1540198.5, Delta T = 04h38m15s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'31, Lahiri = -10°48'31 Julian Calendar 1 Nov. 497 BCE == Greg. Calendar 27 Oct. 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 497 BCE
geocentric

DECEMBER 497 BCE (-496) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 16 32	4♐16'15	9♍52	12°R53	10♐54	5♍36	23♏50	17♌14	22°R54	8♏11	15♍22	23°R32	23♌55	13♐22	n.a.	S 1
S 2	4 20 28	5°17'32	22°41	11♐49	12°10	6° 3	24° 4	17°14	22♈53	8°13	15°22	23♌31	23°52	13°29	n.a.	S 2
M 3	4 24 25	6°18'48	5♎12	10°37	13°25	6°30	24°18	17°R14	22°51	8°15	15°23	23°28	23°49	13°35	n.a.	M 3
T 4	4 28 21	7°20'05	17°30	9°20	14°40	6°57	24°31	17°14	22°49	8°17	15°24	23°22	23°46	13°42	n.a.	T 4
W 5	4 32 18	8°21'21	29°38	8° 0	15°56	7°24	24°45	17°14	22°48	8°19	15°25	23°13	23°43	13°49	n.a.	W 5
T 6	4 36 15	9°22'37	11♏40	6°39	17°11	7°50	24°59	17°13	22°46	8°21	15°25	23° 1	23°39	13°56	n.a.	T 6
F 7	4 40 11	10°23'53	23°37	5°22	18°27	8°16	25°12	17°13	22°45	8°23	15°26	22°47	23°36	14° 2	n.a.	F 7
S 8	4 44 8	11°25'09	5♐30	4° 8	19°42	8°42	25°26	17°12	22°43	8°25	15°27	22°33	23°33	14° 9	n.a.	S 8
S 9	4 48 4	12°26'25	17°22	3° 1	20°57	9° 8	25°39	17°12	22°42	8°27	15°27	22°19	23°30	14°16	n.a.	S 9
M10	4 52 1	13°27'40	29°13	2° 2	22°13	9°33	25°53	17°11	22°41	8°29	15°28	22° 7	23°27	14°22	n.a.	M10
T 11	4 55 57	14°28'54	11♑ 5	1°13	23°28	9°58	26° 6	17°10	22°39	8°31	15°28	21°57	23°24	14°29	n.a.	T 11
W12	4 59 54	15°30'08	23° 0	0°32	24°43	10°23	26°20	17° 9	22°38	8°33	15°29	21°50	23°20	14°36	n.a.	W12
T 13	5 3 51	16°31'20	5♒ 1	0° 1	25°59	10°48	26°33	17° 8	22°37	8°35	15°29	21°46	23°17	14°43	n.a.	T 13
F 14	5 7 47	17°32'32	17°11	29♏40	27°14	11°12	26°47	17° 7	22°36	8°37	15°29	21°D44	23°14	14°49	n.a.	F 14
S 15	5 11 44	18°33'44	29°33	29°28	28°29	11°36	27° 0	17° 6	22°34	8°39	15°30	21°45	23°11	14°56	n.a.	S 15
S 16	5 15 40	19°34'54	12♓14	29°D25	29°44	12° 0	27°13	17° 4	22°33	8°40	15°30	21°45	23° 8	15° 3	n.a.	S 16
M17	5 19 37	20°36'03	25°16	29°31	1♑ 0	12°23	27°27	17° 3	22°32	8°42	15°30	21°R45	23° 5	15° 9	n.a.	M17
T 18	5 23 33	21°37'10	8♈44	29°43	2°15	12°46	27°40	17° 1	22°31	8°44	15°30	21°44	23° 1	15°16	n.a.	T 18
W19	5 27 30	22°38'17	22°41	0♐ 3	3°30	13° 9	27°53	16°59	22°30	8°46	15°31	21°40	22°58	15°23	n.a.	W19
T 20	5 31 26	23°39'23	7♉ 7	0°30	4°45	13°32	28° 6	16°58	22°30	8°48	15°31	21°34	22°55	15°30	n.a.	T 20
F 21	5 35 23	24°40'27	21°58	1° 2	6° 0	13°54	28°19	16°56	22°29	8°49	15°31	21°26	22°52	15°36	n.a.	F 21
S 22	5 39 20	25°41'31	7♊ 9	1°39	7°15	14°16	28°32	16°54	22°28	8°51	15°31	21°17	22°49	15°43	n.a.	S 22
S 23	5 43 16	26°42'33	22°28	2°21	8°31	14°38	28°45	16°52	22°27	8°53	15°31	21° 9	22°45	15°50	n.a.	S 23
M24	5 47 13	27°43'35	7♋46	3° 8	9°46	14°59	28°58	16°49	22°27	8°54	15°R31	21° 1	22°42	15°56	n.a.	M24
T 25	5 51 9	28°44'35	22°50	3°59	11° 1	15°20	29°11	16°47	22°26	8°56	15°31	20°56	22°39	16° 3	n.a.	T 25
W26	5 55 6	29°45'35	7♌32	4°53	12°16	15°41	29°24	16°45	22°25	8°58	15°31	20°53	22°36	16°10	n.a.	W26
T 27	5 59 2	0♑46'33	21°48	5°50	13°31	16° 1	29°37	16°42	22°25	8°59	15°31	20°D52	22°33	16°17	n.a.	T 27
F 28	6 2 59	1°47'31	5♍34	6°51	14°46	16°21	29°50	16°40	22°24	9° 1	15°31	20°53	22°30	16°23	n.a.	F 28
S 29	6 6 55	2°48'28	18°53	7°54	16° 1	16°40	0♐ 2	16°37	22°24	9° 2	15°31	20°54	22°26	16°30	n.a.	S 29
S 30	6 10 52	3°49'23	1♎46	8°59	17°16	17° 0	0°15	16°34	22°24	9° 4	15°30	20°R55	22°23	16°37	n.a.	S 30
M31	6 14 49	4♑50'18	14♎19	10♐ 7	18♑31	17♍18	0♐28	16♌31	22♈23	9♏ 5	15♍30	20♌54	22♌20	16♐43	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s17	9n17	1n25	21s20	1n19	22s59	0s37	11n42	2n17	18s31	0n29	17n30	1n42	8n34	0s29	12s44	1n47	21n31	17n 8	13n51	13n43	17s53		n.a.
S 2	21 28	5 12	2 28	20 52	1 39	23 12	0 40	11 33	2 18	18 34	0 29	17 30	1 43	8 34	0 29	12 44	1 47	21 31	17 8	13 51	13 44	17 54		n.a.
M 3	21 39	0 59	3 21	20 24	1 58	23 24	0 42	11 23	2 19	18 38	0 29	17 30	1 43	8 33	0 29	12 45	1 47	21 32	17 9	13 52	13 45	17 55		n.a.
T 4	21 49	3s12	4 5	19 55	2 15	23 35	0 44	11 14	2 20	18 41	0 29	17 31	1 43	8 32	0 29	12 46	1 47	21 32	17 9	13 55	13 46	17 56		n.a.
W 5	21 59	7 11	4 36	19 27	2 31	23 46	0 46	11 5	2 21	18 44	0 29	17 31	1 44	8 32	0 29	12 46	1 47	21 32	17 10	13 58	13 48	17 58		n.a.
T 6	22 9	10 51	4 55	19 0	2 45	23 55	0 48	10 56	2 22	18 48	0 29	17 31	1 44	8 31	0 29	12 47	1 47	21 32	17 11	14 1	13 49	17 59		n.a.
F 7	22 18	14 4	5 1	18 35	2 57	24 4	0 50	10 47	2 23	18 51	0 29	17 32	1 44	8 31	0 29	12 48	1 47	21 33	17 11	14 6	13 50	18 0		n.a.
S 8	22 27	16 42	4 53	18 12	3 6	24 13	0 52	10 38	2 24	18 55	0 28	17 32	1 44	8 30	0 29	12 48	1 47	21 33	17 12	14 11	13 51	18 1		n.a.
S 9	22 35	18 37	4 33	17 53	3 13	24 20	0 54	10 30	2 25	18 58	0 28	17 32	1 45	8 30	0 29	12 49	1 47	21 33	17 12	14 15	13 52	18 2		n.a.
M10	22 43	19 44	4 1	17 37	3 17	24 27	0 56	10 21	2 26	19 1	0 28	17 33	1 45	8 29	0 29	12 49	1 47	21 34	17 13	14 19	13 53	18 3		n.a.
T 11	22 50	19 59	3 18	17 25	3 20	24 33	0 58	10 12	2 28	19 5	0 28	17 33	1 45	8 29	0 29	12 50	1 48	21 34	17 14	14 23	13 54	18 4		n.a.
W12	22 57	19 21	2 27	17 16	3 20	24 38	1 0	10 4	2 29	19 8	0 28	17 34	1 45	8 28	0 29	12 51	1 48	21 34	17 14	14 25	13 55	18 5		n.a.
T 13	23 4	17 50	1 28	17 11	3 18	24 43	1 1	9 55	2 30	19 11	0 28	17 35	1 46	8 28	0 29	12 51	1 48	21 35	17 15	14 26	13 56	18 6		n.a.
F 14	23 10	15 30	0 24	17 10	3 15	24 46	1 3	9 47	2 31	19 14	0 28	17 35	1 46	8 28	0 29	12 52	1 48	21 35	17 15	14 27	13 57	18 7		n.a.
S 15	23 15	12 26	0s42	17 12	3 11	24 49	1 5	9 39	2 32	19 17	0 28	17 36	1 46	8 27	0 29	12 52	1 48	21 36	17 16	14 27	13 58	18 8		n.a.
S 16	23 20	8 43	1 47	17 17	3 5	24 52	1 6	9 30	2 33	19 21	0 28	17 36	1 46	8 27	0 29	12 53	1 48	21 36	17 17	14 26	13 59	18 9		n.a.
M17	23 25	4 29	2 49	17 24	2 59	24 53	1 8	9 22	2 34	19 24	0 28	17 37	1 46	8 26	0 29	12 53	1 48	21 36	17 17	14 26	14 0	18 10		n.a.
T 18	23 29	0n 5	3 44	17 34	2 52	24 54	1 10	9 14	2 35	19 27	0 28	17 38	1 47	8 26	0 29	12 54	1 48	21 37	17 18	14 27	14 1	18 11		n.a.
W19	23 33	4 48	4 27	17 46	2 44	24 54	1 11	9 6	2 37	19 30	0 28	17 39	1 47	8 26	0 29	12 54	1 48	21 37	17 18	14 28	14 2	18 13		n.a.
T 20	23 36	9 25	4 56	17 59	2 35	24 53	1 13	8 59	2 38	19 33	0 28	17 39	1 47	8 25	0 29	12 55	1 48	21 38	17 19	14 30	14 3	18 14		n.a.
F 21	23 39	13 35	5 5	18 15	2 26	24 51	1 14	8 51	2 39	19 36	0 28	17 40	1 47	8 25	0 29	12 56	1 48	21 38	17 19	14 33	14 4	18 15		n.a.
S 22	23 41	16 58	4 54	18 31	2 17	24 48	1 15	8 43	2 40	19 39	0 27	17 41	1 48	8 25	0 28	12 56	1 48	21 39	17 20	14 35	14 5	18 16		n.a.
S 23	23 43	19 11	4 21	18 49	2 8	24 45	1 17	8 36	2 41	19 42	0 27	17 42	1 48	8 25	0 28	12 57	1 48	21 39	17 21	14 38	14 7	18 17		n.a.
M24	23 44	20 2	3 30	19 7	1 59	24 41	1 18	8 29	2 42	19 45	0 27	17 43	1 48	8 24	0 28	12 57	1 48	21 40	17 21	14 41	14 8	18 18		n.a.
T 25	23 45	19 25	2 25	19 26	1 49	24 36	1 19	8 22	2 44	19 48	0 27	17 44	1 48	8 24	0 28	12 58	1 48	21 40	17 22	14 42	14 9	18 19		n.a.
W26	23 45	17 29	1 11	19 45	1 40	24 31	1 20	8 15	2 45	19 51	0 27	17 45	1 49	8 24	0 28	12 58	1 48	21 41	17 22	14 43	14 10	18 20		n.a.
T 27	23 45	14 30	0n 5	20 5	1 30	24 25	1 22	8 8	2 46	19 53	0 27	17 46	1 49	8 24	0 28	12 58	1 48	21 41	17 23	14 44	14 11	18 21		n.a.
F 28	23 44	10 48	1 18	20 25	1 20	24 17	1 23	8 1	2 47	19 56	0 27	17 47	1 49	8 24	0 28	12 59	1 48	21 42	17 24	14 43	14 12	18 22		n.a.
S 29	23 43	6 41	2 25	20 45	1 11	24 10	1 24	7 54	2 48	19 59	0 27	17 48	1 49	8 24	0 28	12 59	1 48	21 43	17 24	14 43	14 13	18 23		n.a.
S 30	23 42	2 23	3 22	21 4	1 2	24 1	1 24	7 48	2 50	20 2	0 27	17 49	1 50	8 23	0 28	13 0	1 48	21 43	17 25	14 43	14 14	18 24		n.a.
M31	23s40	1s54	4n 8	21s24	0n52	23s52	1s25	7n42	2n51	20s 5	0n27	17n50	1n50	8n23	0s28	13s 0	1n48	21n44	17n25	14n43	14n15	18s25		n.a.

Julian Day Number = 1540228.5, Delta T = 04h38m14s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'27, Lahiri = -10°48'26 Julian Calendar 1 Dec. 497 BCE == Greg. Calendar 26 Nov. 497 BCE

The year -496 astronomical counting style corresponds to year 497 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

JANUARY 496 BCE (-495) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 18 45	5♉51'12	26♎35	11♐17	19♉46	17♍37	0♐40	16°R28	22°R23	9♏ 7	15°R30	20°R52	22♌17	16♐50	n.a.	T 1
W 2	6 22 42	6°52'05	8♏40	12°28	21° 1	17°55	0°53	16♌25	22♈23	9° 8	15♍30	20♌48	22°14	16°57	n.a.	W 2
T 3	6 26 38	7°52'56	20°36	13°42	22°16	18°12	1° 5	16°22	22°23	9° 9	15°29	20°41	22°11	17° 4	n.a.	T 3
F 4	6 30 35	8°53'47	2♐29	14°57	23°31	18°29	1°17	16°19	22°23	9°11	15°29	20°34	22° 7	17°10	n.a.	F 4
S 5	6 34 31	9°54'36	14°19	16°13	24°46	18°46	1°30	16°16	22°D23	9°12	15°29	20°25	22° 4	17°17	n.a.	S 5
S 6	6 38 28	10°55'24	26°11	17°32	26° 1	19° 2	1°42	16°12	22°23	9°14	15°28	20°17	22° 1	17°24	n.a.	S 6
M 7	6 42 24	11°56'10	8♑ 4	18°51	27°16	19°18	1°54	16° 9	22°23	9°15	15°28	20°10	21°58	17°30	n.a.	M 7
T 8	6 46 21	12°56'55	20° 2	20°12	28°30	19°33	2° 6	16° 5	22°23	9°16	15°27	20° 5	21°55	17°37	n.a.	T 8
W 9	6 50 18	13°57'39	2♒ 6	21°34	29°45	19°48	2°18	16° 2	22°23	9°17	15°27	20° 1	21°51	17°44	n.a.	W 9
T 10	6 54 14	14°58'21	14°17	22°57	1♒ 0	20° 2	2°30	15°58	22°23	9°18	15°26	20°D 0	21°48	17°51	n.a.	T 10
F 11	6 58 11	15°59'01	26°37	24°21	2°15	20°16	2°42	15°55	22°23	9°20	15°25	20° 0	21°45	17°57	n.a.	F 11
S 12	7 2 7	16°59'39	9♓ 9	25°46	3°30	20°30	2°54	15°51	22°24	9°21	15°25	20° 1	21°42	18° 4	n.a.	S 12
S 13	7 6 4	18° 0'16	21°56	27°13	4°44	20°42	3° 5	15°47	22°24	9°22	15°24	20° 3	21°39	18°11	n.a.	S 13
M14	7 10 0	19° 0'50	5♈ 1	28°40	5°59	20°55	3°17	15°43	22°24	9°23	15°23	20° 4	21°36	18°17	n.a.	M14
T 15	7 13 57	20° 1'23	18°25	0♑ 9	7°14	21° 6	3°29	15°39	22°25	9°24	15°23	20°R 5	21°32	18°24	n.a.	T 15
W16	7 17 53	21° 1'53	2♉12	1°38	8°28	21°17	3°40	15°35	22°25	9°25	15°22	20° 4	21°29	18°31	n.a.	W16
T 17	7 21 50	22° 2'22	16°23	3° 8	9°43	21°28	3°51	15°31	22°26	9°26	15°21	20° 2	21°26	18°38	n.a.	T 17
F 18	7 25 47	23° 2'48	0♊54	4°40	10°58	21°38	4° 3	15°27	22°27	9°27	15°20	20° 0	21°23	18°44	n.a.	F 18
S 19	7 29 43	24° 3'13	15°43	6°12	12°12	21°48	4°14	15°22	22°27	9°28	15°19	19°56	21°20	18°51	n.a.	S 19
S 20	7 33 40	25° 3'35	0♋43	7°45	13°27	21°56	4°25	15°18	22°28	9°29	15°19	19°52	21°17	18°58	n.a.	S 20
M21	7 37 36	26° 3'56	15°46	9°20	14°41	22° 5	4°36	15°14	22°29	9°30	15°18	19°49	21°13	19° 4	n.a.	M21
T 22	7 41 33	27° 4'14	0♌42	10°55	15°56	22°12	4°47	15°10	22°30	9°30	15°17	19°47	21°10	19°11	n.a.	T 22
W23	7 45 29	28° 4'31	15°22	12°31	17°10	22°19	4°58	15° 5	22°31	9°31	15°16	19°D46	21° 7	19°18	n.a.	W23
T 24	7 49 26	29° 4'46	29°41	14° 8	18°25	22°26	5° 9	15° 1	22°32	9°32	15°15	19°46	21° 4	19°24	n.a.	T 24
F 25	7 53 22	0♒ 4'59	13♍35	15°47	19°39	22°32	5°19	14°56	22°33	9°33	15°14	19°47	21° 1	19°31	n.a.	F 25
S 26	7 57 19	1° 5'11	27° 3	17°26	20°54	22°37	5°30	14°52	22°34	9°33	15°13	19°49	20°57	19°38	n.a.	S 26
S 27	8 1 16	2° 5'20	10♎ 5	19° 6	22° 8	22°41	5°40	14°47	22°35	9°34	15°12	19°50	20°54	19°45	n.a.	S 27
M28	8 5 12	3° 5'28	22°44	20°48	23°22	22°45	5°51	14°43	22°36	9°35	15°10	19°51	20°51	19°51	n.a.	M28
T 29	8 9 9	4° 5'35	5♏ 5	22°30	24°36	22°48	6° 1	14°38	22°37	9°35	15° 9	19°R52	20°48	19°58	n.a.	T 29
W30	8 13 5	5° 5'40	17°11	24°13	25°51	22°50	6°11	14°34	22°38	9°36	15° 8	19°51	20°45	20° 5	n.a.	W30
T 31	8 17 2	6♒ 5'43	29♏ 8	25♑58	27♒ 5	22♍52	6♐21	14♌29	22♈40	9♏36	15♍ 7	19♌50	20♌42	20♐11	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23s37	6s 1	4n42	21s43	0n43	23s42	1s26	7n36	2n52	20s 7	0n27	17n51	1n50	8n23	0s28	13s 1	1n48	21n44	17n26	14n44	14n16	18s26			n.a.
W 2	23 34	9 49	5 2	22 2	0 34	23 31	1 27	7 30	2 53	20 10	0 27	17 52	1 50	8 23	0 28	13 1	1 48	21 45	17 26	14 45	14 17	18 27			n.a.
T 3	23 31	13 11	5 9	22 20	0 25	23 20	1 28	7 24	2 55	20 13	0 27	17 53	1 50	8 23	0 28	13 1	1 48	21 46	17 27	14 47	14 18	18 28			n.a.
F 4	23 27	16 0	5 2	22 37	0 16	23 7	1 28	7 18	2 56	20 15	0 27	17 54	1 51	8 23	0 28	13 2	1 48	21 46	17 28	14 50	14 19	18 29			n.a.
S 5	23 23	18 8	4 43	22 54	0 8	22 55	1 29	7 13	2 57	20 18	0 27	17 56	1 51	8 23	0 28	13 2	1 48	21 47	17 28	14 52	14 20	18 30			n.a.
S 6	23 18	19 31	4 11	23 10	0s 1	22 41	1 29	7 7	2 58	20 20	0 27	17 57	1 51	8 23	0 28	13 3	1 49	21 48	17 29	14 55	14 21	18 31			n.a.
M 7	23 13	20 3	3 28	23 25	0 9	22 27	1 30	7 2	3 0	20 23	0 26	17 58	1 51	8 23	0 28	13 3	1 49	21 48	17 29	14 57	14 22	18 32			n.a.
T 8	23 7	19 40	2 36	23 40	0 17	22 12	1 30	6 57	3 1	20 25	0 26	17 59	1 51	8 23	0 28	13 3	1 49	21 49	17 30	14 59	14 23	18 33			n.a.
W 9	23 1	18 24	1 36	23 53	0 24	21 56	1 30	6 53	3 2	20 28	0 26	18 1	1 52	8 23	0 28	13 4	1 49	21 50	17 30	15 0	14 24	18 34			n.a.
T 10	22 54	16 16	0 31	24 6	0 32	21 40	1 31	6 48	3 4	20 30	0 26	18 2	1 52	8 24	0 28	13 4	1 49	21 51	17 31	15 0	14 25	18 35			n.a.
F 11	22 47	13 22	0s36	24 17	0 39	21 23	1 31	6 44	3 5	20 33	0 26	18 3	1 52	8 24	0 28	13 4	1 49	21 51	17 31	15 0	14 26	18 36			n.a.
S 12	22 39	9 50	1 43	24 27	0 46	21 6	1 31	6 40	3 6	20 35	0 26	18 5	1 52	8 24	0 28	13 5	1 49	21 52	17 32	15 0	14 27	18 37			n.a.
S 13	22 31	5 46	2 46	24 37	0 53	20 48	1 31	6 36	3 7	20 37	0 26	18 6	1 52	8 24	0 28	13 5	1 49	21 53	17 32	15 0	14 28	18 38			n.a.
M14	22 23	1 22	3 42	24 44	1 0	20 29	1 31	6 32	3 9	20 40	0 26	18 7	1 52	8 24	0 28	13 5	1 49	21 54	17 33	14 59	14 29	18 39			n.a.
T 15	22 14	3n12	4 27	24 51	1 6	20 10	1 31	6 28	3 10	20 42	0 26	18 9	1 53	8 24	0 28	13 6	1 49	21 54	17 33	14 59	14 31	18 40			n.a.
W16	22 5	7 44	4 59	24 57	1 12	19 50	1 31	6 25	3 11	20 44	0 26	18 10	1 53	8 25	0 28	13 6	1 49	21 55	17 34	14 59	14 32	18 41			n.a.
T 17	21 55	11 57	5 13	25 1	1 18	19 30	1 30	6 22	3 13	20 46	0 26	18 11	1 53	8 25	0 28	13 6	1 49	21 56	17 34	15 0	14 33	18 42			n.a.
F 18	21 45	15 35	5 8	25 3	1 23	19 9	1 30	6 19	3 14	20 49	0 26	18 13	1 53	8 25	0 28	13 6	1 49	21 57	17 35	15 0	14 34	18 43			n.a.
S 19	21 35	18 18	4 43	25 5	1 28	18 47	1 30	6 17	3 15	20 51	0 26	18 14	1 53	8 25	0 28	13 7	1 49	21 57	17 35	15 2	14 35	18 44			n.a.
S 20	21 24	19 47	3 58	25 4	1 33	18 25	1 29	6 14	3 17	20 53	0 26	18 16	1 53	8 26	0 28	13 7	1 49	21 58	17 36	15 3	14 36	18 45			n.a.
M21	21 13	19 53	2 56	25 3	1 38	18 3	1 29	6 12	3 18	20 55	0 26	18 17	1 54	8 26	0 28	13 7	1 49	21 59	17 36	15 4	14 37	18 46			n.a.
T 22	21 1	18 35	1 43	24 59	1 42	17 40	1 28	6 10	3 19	20 57	0 26	18 19	1 54	8 26	0 27	13 7	1 49	22 0	17 37	15 4	14 38	18 47			n.a.
W23	20 49	16 3	0 24	24 55	1 46	17 17	1 27	6 9	3 20	20 59	0 26	18 20	1 54	8 27	0 27	13 7	1 49	22 1	17 37	15 5	14 39	18 47			n.a.
T 24	20 37	12 35	0n54	24 48	1 49	16 53	1 27	6 7	3 22	21 1	0 26	18 22	1 54	8 27	0 27	13 8	1 49	22 1	17 38	15 5	14 40	18 48			n.a.
F 25	20 24	8 30	2 8	24 40	1 53	16 28	1 26	6 6	3 23	21 3	0 26	18 23	1 54	8 28	0 27	13 8	1 50	22 2	17 38	15 4	14 41	18 49			n.a.
S 26	20 11	4 7	3 12	24 30	1 55	16 4	1 25	6 5	3 24	21 5	0 25	18 24	1 54	8 28	0 27	13 8	1 50	22 3	17 39	15 4	14 42	18 50			n.a.
S 27	19 57	0s19	4 3	24 19	1 58	15 38	1 24	6 4	3 25	21 7	0 25	18 26	1 54	8 29	0 27	13 8	1 50	22 4	17 39	15 3	14 43	18 51			n.a.
M28	19 43	4 36	4 42	24 6	2 0	15 13	1 23	6 4	3 27	21 9	0 25	18 27	1 55	8 29	0 27	13 8	1 50	22 5	17 40	15 3	14 44	18 52			n.a.
T 29	19 29	8 35	5 6	23 51	2 2	14 47	1 22	6 4	3 28	21 11	0 25	18 29	1 55	8 29	0 27	13 8	1 50	22 6	17 40	15 3	14 45	18 53			n.a.
W30	19 15	12 8	5 16	23 34	2 3	14 20	1 21	6 4	3 29	21 13	0 25	18 30	1 55	8 30	0 27	13 9	1 50	22 6	17 40	15 3	14 46	18 54			n.a.
T 31	19s 0	15s 9	5n12	23s15	2s 4	13s53	1s20	6n 5	3n30	21s14	0n25	18n32	1n55	8n30	0s27	13s 9	1n50	22n 7	17n41	15n 4	14n47	18s55			n.a.

Julian Day Number = 1540259.5, Delta T = 04h38m12s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'23, Lahiri = -10°48'22 Julian Calendar 1 Jan. 496 BCE == Greg. Calendar 27 Dec. 497 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

FEBRUARY 496 BCE (-495) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 20 58	7♒ 5'44	10♐59	27♉44	28♒19	22♍53	6♐31	14°R24	22♈41	9♏37	15°R 6	19°R48	20♌38	20♐18	n.a.	F 1
S 2	8 24 55	8° 5'43	22°49	29°30	29°33	22°R53	6°41	14♌20	22°42	9°37	15♍ 5	19♌47	20°35	20°25	n.a.	S 2
S 3	8 28 51	9° 5'41	4♉42	1♒18	0♓47	22°52	6°51	14°15	22°44	9°38	15° 3	19°45	20°32	20°32	n.a.	S 3
M 4	8 32 48	10° 5'36	16°40	3° 7	2° 2	22°51	7° 0	14°10	22°45	9°38	15° 2	19°43	20°29	20°38	n.a.	M 4
T 5	8 36 45	11° 5'30	28°46	4°57	3°16	22°49	7°10	14° 5	22°47	9°39	15° 1	19°42	20°26	20°45	n.a.	T 5
W 6	8 40 41	12° 5'22	11♒ 1	6°48	4°30	22°46	7°19	14° 1	22°48	9°39	14°59	19°42	20°23	20°52	n.a.	W 6
T 7	8 44 38	13° 5'11	23°27	8°41	5°44	22°43	7°29	13°56	22°50	9°39	14°58	19°D42	20°19	20°58	n.a.	T 7
F 8	8 48 34	14° 4'59	6♓ 5	10°34	6°58	22°38	7°38	13°51	22°52	9°39	14°57	19°42	20°16	21° 5	n.a.	F 8
S 9	8 52 31	15° 4'44	18°56	12°29	8°12	22°33	7°47	13°46	22°53	9°40	14°55	19°43	20°13	21°12	n.a.	S 9
S 10	8 56 27	16° 4'27	2♈ 1	14°24	9°25	22°27	7°56	13°42	22°55	9°40	14°54	19°43	20°10	21°18	n.a.	S 10
M11	9 0 24	17° 4'07	15°20	16°21	10°39	22°20	8° 4	13°37	22°57	9°40	14°52	19°43	20° 7	21°25	n.a.	M11
T 12	9 4 20	18° 3'46	28°53	18°18	11°53	22°13	8°13	13°32	22°59	9°40	14°51	19°43	20° 3	21°32	n.a.	T 12
W13	9 8 17	19° 3'21	12♉41	20°17	13° 7	22° 4	8°22	13°28	23° 1	9°40	14°50	19°44	20° 0	21°39	n.a.	W13
T 14	9 12 14	20° 2'55	26°44	22°16	14°21	21°55	8°30	13°23	23° 3	9°40	14°48	19°44	19°57	21°45	n.a.	T 14
F 15	9 16 10	21° 2'26	10♊59	24°16	15°34	21°46	8°38	13°18	23° 5	9°R40	14°47	19°44	19°54	21°52	n.a.	F 15
S 16	9 20 7	22° 1'54	25°26	26°16	16°48	21°35	8°46	13°14	23° 7	9°40	14°45	19°44	19°51	21°59	n.a.	S 16
S 17	9 24 3	23° 1'20	9♋59	28°17	18° 1	21°24	8°54	13° 9	23° 9	9°40	14°44	19°44	19°48	22° 5	n.a.	S 17
M18	9 28 0	24° 0'44	24°34	0♓18	19°15	21°12	9° 2	13° 4	23°11	9°40	14°42	19°44	19°44	22°12	n.a.	M18
T 19	9 31 56	25° 0'05	9♌ 6	2°19	20°28	20°59	9°10	13° 0	23°13	9°40	14°41	19°45	19°41	22°19	n.a.	T 19
W20	9 35 53	25°59'24	23°28	4°19	21°42	20°46	9°18	12°55	23°15	9°40	14°39	19°R45	19°38	22°26	n.a.	W20
T 21	9 39 49	26°58'41	7♍35	6°19	22°55	20°31	9°25	12°51	23°18	9°40	14°37	19°44	19°35	22°32	n.a.	T 21
F 22	9 43 46	27°57'56	21°24	8°19	24° 8	20°16	9°32	12°46	23°20	9°40	14°36	19°44	19°32	22°39	n.a.	F 22
S 23	9 47 42	28°57'09	4♎51	10°16	25°22	20° 1	9°39	12°42	23°22	9°39	14°34	19°43	19°28	22°46	n.a.	S 23
S 24	9 51 39	29°56'19	17°56	12°12	26°35	19°45	9°47	12°37	23°24	9°39	14°33	19°41	19°25	22°52	n.a.	S 24
M25	9 55 36	0♓55'28	0♏39	14° 7	27°48	19°28	9°53	12°33	23°27	9°39	14°31	19°40	19°22	22°59	n.a.	M25
T 26	9 59 32	1°54'35	13° 4	15°58	29° 1	19°10	10° 0	12°29	23°29	9°38	14°29	19°39	19°19	23° 6	n.a.	T 26
W27	10 3 29	2°53'40	25°14	17°47	0♈14	18°52	10° 7	12°24	23°32	9°38	14°28	19°38	19°16	23°12	n.a.	W27
T 28	10 7 25	3♓52'43	7♐12	19♓33	1♈27	18♍34	10♐13	12♌20	23♈34	9♏38	14♍26	19°D38	19♌13	23♐19	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18s44	17s31	4n55	22s55	2s 4	13s26	1s18	6n 5	3n31	21s16	0n25	18n33	1n55	8n31	0s27	13s 9	1n50	22n 8	17n41	15n 4	14n48	18s56		n.a.	F 1
S 2	18 29	19 8	4 25	22 32	2 4	12 59	1 17	6 6	3 32	21 18	0 25	18 35	1 55	8 32	0 27	13 9	1 50	22 9	17 42	15 5	14 49	18 57		n.a.	S 2
S 3	18 13	19 56	3 44	22 8	2 3	12 31	1 16	6 7	3 33	21 20	0 25	18 36	1 55	8 32	0 27	13 9	1 50	22 10	17 42	15 5	14 50	18 58		n.a.	S 3
M 4	17 57	19 50	2 53	21 42	2 2	12 3	1 14	6 9	3 35	21 21	0 25	18 38	1 55	8 33	0 27	13 9	1 50	22 11	17 42	15 6	14 51	18 59		n.a.	M 4
T 5	17 40	18 50	1 54	21 14	2 1	11 34	1 13	6 11	3 36	21 23	0 25	18 39	1 55	8 33	0 27	13 9	1 50	22 11	17 43	15 6	14 52	19 0		n.a.	T 5
W 6	17 24	16 55	0 48	20 44	1 59	11 5	1 11	6 13	3 37	21 24	0 25	18 41	1 56	8 34	0 27	13 9	1 50	22 12	17 43	15 6	14 53	19 0		n.a.	W 6
T 7	17 6	14 12	0s21	20 12	1 56	10 36	1 10	6 15	3 38	21 26	0 25	18 42	1 56	8 35	0 27	13 9	1 50	22 13	17 43	15 6	14 54	19 1		n.a.	T 7
F 8	16 49	10 47	1 30	19 38	1 53	10 7	1 8	6 18	3 39	21 28	0 25	18 44	1 56	8 35	0 27	13 9	1 50	22 14	17 44	15 6	14 55	19 2		n.a.	F 8
S 9	16 31	6 48	2 35	19 2	1 50	9 38	1 6	6 21	3 39	21 29	0 25	18 45	1 56	8 36	0 27	13 9	1 50	22 15	17 44	15 6	14 56	19 3		n.a.	S 9
S 10	16 14	2 27	3 34	18 24	1 45	9 8	1 4	6 24	3 40	21 31	0 25	18 47	1 56	8 37	0 27	13 9	1 50	22 16	17 44	15 6	14 57	19 4		n.a.	S 10
M11	15 55	2n 5	4 22	17 45	1 41	8 38	1 2	6 27	3 41	21 32	0 25	18 48	1 56	8 37	0 27	13 9	1 51	22 17	17 45	15 6	14 58	19 5		n.a.	M11
T 12	15 37	6 36	4 57	17 3	1 35	8 7	1 0	6 31	3 42	21 34	0 25	18 50	1 56	8 38	0 27	13 9	1 51	22 17	17 45	15 6	14 59	19 6		n.a.	T 12
W13	15 18	10 51	5 15	16 20	1 29	7 37	0 58	6 35	3 43	21 35	0 25	18 51	1 56	8 39	0 27	13 9	1 51	22 18	17 45	15 6	15 0	19 7		n.a.	W13
T 14	14 59	14 34	5 15	15 35	1 23	7 6	0 56	6 39	3 43	21 36	0 25	18 52	1 56	8 40	0 27	13 9	1 51	22 19	17 46	15 6	15 1	19 8		n.a.	T 14
F 15	14 40	17 30	4 56	14 48	1 16	6 36	0 54	6 44	3 44	21 38	0 25	18 54	1 56	8 40	0 27	13 9	1 51	22 20	17 46	15 6	15 2	19 8		n.a.	F 15
S 16	14 21	19 23	4 18	13 59	1 8	6 5	0 52	6 49	3 45	21 39	0 24	18 55	1 56	8 41	0 27	13 9	1 51	22 21	17 46	15 6	15 3	19 9		n.a.	S 16
S 17	14 1	20 0	3 23	13 10	1 0	5 34	0 50	6 54	3 45	21 40	0 24	18 57	1 56	8 42	0 27	13 9	1 51	22 22	17 46	15 5	15 4	19 10		n.a.	S 17
M18	13 41	19 16	2 15	12 18	0 51	5 2	0 48	6 59	3 46	21 42	0 24	18 58	1 56	8 43	0 27	13 9	1 51	22 22	17 47	15 5	15 5	19 11		n.a.	M18
T 19	13 21	17 16	0 59	11 26	0 42	4 31	0 45	7 4	3 46	21 43	0 24	18 59	1 56	8 44	0 27	13 9	1 51	22 23	17 47	15 5	15 6	19 12		n.a.	T 19
W20	13 1	14 12	0n21	10 32	0 32	4 0	0 43	7 10	3 46	21 44	0 24	19 1	1 56	8 44	0 27	13 9	1 51	22 24	17 47	15 5	15 7	19 13		n.a.	W20
T 21	12 41	10 20	1 37	9 38	0 21	3 28	0 41	7 16	3 47	21 45	0 24	19 2	1 56	8 45	0 27	13 9	1 51	22 25	17 47	15 5	15 8	19 14		n.a.	T 21
F 22	12 20	6 0	2 47	8 43	0 10	2 56	0 38	7 22	3 47	21 46	0 24	19 3	1 56	8 46	0 27	13 8	1 51	22 26	17 47	15 6	15 9	19 14		n.a.	F 22
S 23	11 59	1 29	3 45	7 48	0n 1	2 25	0 36	7 28	3 47	21 48	0 24	19 5	1 56	8 47	0 27	13 8	1 51	22 26	17 48	15 6	15 10	19 15		n.a.	S 23
S 24	11 38	2s59	4 29	6 52	0 13	1 53	0 33	7 35	3 47	21 49	0 24	19 6	1 56	8 48	0 27	13 8	1 51	22 27	17 48	15 6	15 11	19 16		n.a.	S 24
M25	11 17	7 11	4 59	5 57	0 25	1 21	0 31	7 41	3 47	21 50	0 24	19 7	1 56	8 49	0 27	13 8	1 51	22 28	17 48	15 7	15 12	19 17		n.a.	M25
T 26	10 56	10 58	5 15	5 2	0 37	0 49	0 28	7 48	3 47	21 51	0 24	19 8	1 56	8 50	0 26	13 8	1 51	22 29	17 48	15 7	15 13	19 18		n.a.	T 26
W27	10 35	14 13	5 15	4 8	0 49	0 17	0 25	7 55	3 46	21 52	0 24	19 10	1 56	8 51	0 26	13 8	1 51	22 30	17 48	15 7	15 14	19 19		n.a.	W27
T 28	10s13	16s50	5n 2	3s15	1n 1	0n14	0s23	8n 2	3n46	21s53	0n24	19n11	1n56	8n52	0s26	13s 8	1n51	22n30	17n48	15n 7	15n15	19s19		n.a.	T 28

Julian Day Number = 1540290.5, Delta T = 04h38m11s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'18, Lahiri = -10°48'18 Julian Calendar 1 Feb. 496 BCE == Greg. Calendar 27 Jan. 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

MARCH 496 BCE (-495) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 11 22	4♓51'44	19♐ 5	21♓14	2♈40	18°R14	10♐19	12°R16	23♈37	9°R37	14°R24	19♌39	19♌ 9	23♐26	n.a.	F 1
S 2	10 15 18	5°50'44	0♑56	22°52	3°53	17♍55	10°26	12♌12	23°39	9♏37	14♍23	19°40	19° 6	23°33	n.a.	S 2
S 3	10 19 15	6°49'41	12°50	24°26	5° 6	17°34	10°31	12° 8	23°42	9°36	14°21	19°41	19° 3	23°39	n.a.	S 3
M 4	10 23 11	7°48'37	24°52	25°55	6°19	17°14	10°37	12° 4	23°45	9°36	14°19	19°43	19° 0	23°46	n.a.	M 4
T 5	10 27 8	8°47'30	7♒ 4	27°19	7°32	16°53	10°43	12° 0	23°47	9°35	14°18	19°44	18°57	23°53	n.a.	T 5
W 6	10 31 5	9°46'22	19°30	28°38	8°45	16°31	10°48	11°56	23°50	9°35	14°16	19°R44	18°54	23°59	n.a.	W 6
T 7	10 35 1	10°45'11	2♓12	29°51	9°57	16°10	10°54	11°52	23°53	9°34	14°14	19°44	18°50	24° 6	n.a.	T 7
F 8	10 38 58	11°43'59	15°11	0♈59	11°10	15°48	10°59	11°48	23°55	9°33	14°13	19°42	18°47	24°13	n.a.	F 8
S 9	10 42 54	12°42'44	28°25	2° 1	12°23	15°26	11° 4	11°44	23°58	9°33	14°11	19°39	18°44	24°19	n.a.	S 9
S 10	10 46 51	13°41'27	11♈55	2°57	13°35	15° 3	11° 9	11°41	24° 1	9°32	14° 9	19°36	18°41	24°26	n.a.	S 10
M11	10 50 47	14°40'08	25°38	3°47	14°48	14°41	11°13	11°37	24° 4	9°31	14° 8	19°32	18°38	24°33	n.a.	M11
T 12	10 54 44	15°38'47	9♉32	4°31	16° 0	14°18	11°18	11°34	24° 7	9°30	14° 6	19°29	18°34	24°39	n.a.	T 12
W13	10 58 40	16°37'23	23°34	5° 9	17°12	13°55	11°22	11°30	24°10	9°30	14° 4	19°26	18°31	24°46	n.a.	W13
T 14	11 2 37	17°35'57	7♊41	5°40	18°25	13°33	11°26	11°27	24°13	9°29	14° 3	19°25	18°28	24°53	n.a.	T 14
F 15	11 6 33	18°34'29	21°52	6° 5	19°37	13°10	11°30	11°24	24°16	9°28	14° 1	19°D24	18°25	25° 0	n.a.	F 15
S 16	11 10 30	19°32'59	6♋ 4	6°24	20°49	12°47	11°34	11°20	24°19	9°27	13°59	19°25	18°22	25° 6	n.a.	S 16
S 17	11 14 27	20°31'26	20°15	6°37	22° 1	12°25	11°38	11°17	24°22	9°26	13°58	19°27	18°19	25°13	n.a.	S 17
M18	11 18 23	21°29'51	4♌24	6°44	23°13	12° 3	11°41	11°14	24°25	9°25	13°56	19°28	18°15	25°20	n.a.	M18
T 19	11 22 20	22°28'14	18°27	6°R44	24°25	11°41	11°44	11°11	24°28	9°24	13°54	19°R29	18°12	25°26	n.a.	T 19
W20	11 26 16	23°26'34	2♍23	6°39	25°37	11°19	11°47	11° 8	24°31	9°23	13°53	19°28	18° 9	25°33	n.a.	W20
T 21	11 30 13	24°24'53	16° 7	6°28	26°49	10°58	11°50	11° 5	24°34	9°22	13°51	19°26	18° 6	25°40	n.a.	T 21
F 22	11 34 9	25°23'09	29°38	6°12	28° 0	10°36	11°53	11° 3	24°37	9°21	13°49	19°22	18° 3	25°46	n.a.	F 22
S 23	11 38 6	26°21'24	12♎53	5°52	29°12	10°16	11°56	11° 0	24°40	9°20	13°48	19°16	17°59	25°53	n.a.	S 23
S 24	11 42 2	27°19'36	25°51	5°27	0♉24	9°55	11°58	10°58	24°43	9°19	13°46	19°10	17°56	26° 0	n.a.	S 24
M25	11 45 59	28°17'47	8♏32	4°58	1°35	9°36	12° 0	10°55	24°47	9°18	13°44	19° 3	17°53	26° 7	n.a.	M25
T 26	11 49 55	29°15'57	20°56	4°25	2°47	9°16	12° 2	10°53	24°50	9°17	13°43	18°57	17°50	26°13	n.a.	T 26
W27	11 53 52	0♈14'05	3♐ 6	3°50	3°58	8°57	12° 4	10°50	24°53	9°16	13°41	18°52	17°47	26°20	n.a.	W27
T 28	11 57 49	1°12'11	15° 5	3°13	5° 9	8°39	12° 6	10°48	24°56	9°15	13°40	18°49	17°44	26°27	n.a.	T 28
F 29	12 1 45	2°10'16	26°58	2°35	6°20	8°21	12° 7	10°46	24°59	9°14	13°38	18°D47	17°40	26°33	n.a.	F 29
S 30	12 5 42	3° 8'19	8♑49	1°56	7°32	8° 4	12° 8	10°44	25° 3	9°12	13°36	18°47	17°37	26°40	n.a.	S 30
S 31	12 9 38	4♈ 6'20	20♑43	1♈17	8♉43	7♍48	12♐ 9	10♌42	25♈ 6	9♏11	13♍35	18♌48	17♌34	26♐47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s51	18s43	4n36	2s23	1n14	0n46	0s20	8n10	3n46	21s54	0n24	19n12	1n56	8n53	0s26	13s 7	1n52	22n31	17n49	15n 7	15n16	19s20		n.a.
S 2	9 29	19 47	3 58	1 33	1 26	1 18	0 17	8 17	3 45	21 55	0 24	19 13	1 56	8 54	0 26	13 7	1 52	22 32	17 49	15 7	15 17	19 21		n.a.
S 3	9 7	19 58	3 10	0 45	1 38	1 50	0 14	8 25	3 45	21 56	0 24	19 14	1 56	8 55	0 26	13 7	1 52	22 33	17 49	15 6	15 18	19 22		n.a.
M 4	8 45	19 15	2 13	0n 2	1 49	2 22	0 12	8 32	3 44	21 56	0 24	19 16	1 56	8 56	0 26	13 7	1 52	22 33	17 49	15 6	15 19	19 23		n.a.
T 5	8 23	17 38	1 9	0 46	2 1	2 54	0 9	8 40	3 43	21 57	0 24	19 17	1 56	8 57	0 26	13 7	1 52	22 34	17 49	15 6	15 20	19 24		n.a.
W 6	8 0	15 9	0 1	1 27	2 11	3 25	0 6	8 47	3 42	21 58	0 24	19 18	1 56	8 58	0 26	13 6	1 52	22 35	17 49	15 5	15 21	19 24		n.a.
T 7	7 38	11 53	1s 8	2 6	2 22	3 57	0 3	8 55	3 41	21 59	0 24	19 19	1 56	8 59	0 26	13 6	1 52	22 36	17 49	15 6	15 22	19 25		n.a.
F 8	7 15	8 0	2 16	2 42	2 31	4 28	0n 0	9 3	3 40	22 0	0 23	19 20	1 56	9 0	0 26	13 6	1 52	22 36	17 49	15 6	15 23	19 26		n.a.
S 9	6 52	3 38	3 17	3 15	2 40	5 0	0 3	9 10	3 39	22 1	0 23	19 21	1 56	9 1	0 26	13 6	1 52	22 37	17 49	15 7	15 24	19 27		n.a.
S 10	6 30	0n58	4 9	3 45	2 48	5 31	0 6	9 18	3 38	22 1	0 23	19 22	1 56	9 2	0 26	13 5	1 52	22 38	17 49	15 8	15 25	19 28		n.a.
M11	6 7	5 35	4 47	4 12	2 55	6 2	0 9	9 26	3 36	22 2	0 23	19 23	1 56	9 3	0 26	13 5	1 52	22 39	17 49	15 9	15 26	19 28		n.a.
T 12	5 44	9 58	5 9	4 35	3 1	6 33	0 12	9 33	3 35	22 3	0 23	19 24	1 56	9 4	0 26	13 5	1 52	22 39	17 49	15 10	15 27	19 29		n.a.
W13	5 21	13 52	5 13	4 55	3 6	7 4	0 15	9 41	3 33	22 3	0 23	19 25	1 56	9 5	0 26	13 4	1 52	22 40	17 49	15 11	15 28	19 30		n.a.
T 14	4 58	16 59	4 58	5 11	3 10	7 35	0 18	9 48	3 32	22 4	0 23	19 26	1 56	9 6	0 26	13 4	1 52	22 41	17 49	15 12	15 29	19 31		n.a.
F 15	4 35	19 6	4 25	5 24	3 13	8 6	0 21	9 55	3 30	22 5	0 23	19 27	1 56	9 7	0 26	13 4	1 52	22 41	17 49	15 12	15 30	19 31		n.a.
S 16	4 11	20 1	3 36	5 33	3 15	8 36	0 24	10 2	3 28	22 5	0 23	19 27	1 56	9 8	0 26	13 3	1 52	22 42	17 49	15 11	15 31	19 32		n.a.
S 17	3 48	19 41	2 33	5 39	3 16	9 6	0 27	10 9	3 26	22 6	0 23	19 28	1 56	9 10	0 26	13 3	1 52	22 42	17 49	15 11	15 32	19 33		n.a.
M18	3 25	18 6	1 22	5 41	3 15	9 36	0 30	10 16	3 24	22 6	0 23	19 29	1 56	9 11	0 26	13 3	1 52	22 43	17 49	15 11	15 33	19 34		n.a.
T 19	3 2	15 24	0 6	5 39	3 13	10 6	0 33	10 23	3 22	22 7	0 23	19 30	1 56	9 12	0 26	13 2	1 52	22 44	17 49	15 10	15 34	19 35		n.a.
W20	2 38	11 51	1n10	5 34	3 9	10 36	0 36	10 29	3 20	22 7	0 23	19 31	1 56	9 13	0 26	13 2	1 52	22 44	17 49	15 11	15 35	19 35		n.a.
T 21	2 15	7 42	2 20	5 25	3 4	11 5	0 40	10 36	3 18	22 8	0 23	19 31	1 56	9 14	0 26	13 2	1 52	22 45	17 49	15 11	15 36	19 36		n.a.
F 22	1 51	3 13	3 21	5 12	2 58	11 34	0 43	10 42	3 15	22 8	0 23	19 32	1 55	9 15	0 26	13 1	1 53	22 45	17 49	15 13	15 37	19 37		n.a.
S 23	1 28	1s19	4 10	4 57	2 50	12 3	0 46	10 47	3 13	22 8	0 23	19 33	1 55	9 17	0 26	13 1	1 53	22 46	17 49	15 14	15 38	19 38		n.a.
S 24	1 5	5 42	4 45	4 38	2 41	12 31	0 49	10 53	3 11	22 9	0 23	19 33	1 55	9 18	0 26	13 1	1 53	22 46	17 48	15 16	15 39	19 38		n.a.
M25	0 41	9 43	5 5	4 17	2 30	12 59	0 52	10 58	3 8	22 9	0 23	19 34	1 55	9 19	0 26	13 0	1 53	22 47	17 48	15 18	15 40	19 39		n.a.
T 26	0 18	13 15	5 10	3 53	2 18	13 27	0 55	11 3	3 6	22 10	0 22	19 34	1 55	9 20	0 26	13 0	1 53	22 48	17 48	15 20	15 41	19 40		n.a.
W27	0n 6	16 8	5 1	3 28	2 5	13 55	0 58	11 8	3 3	22 10	0 22	19 35	1 55	9 21	0 26	12 59	1 53	22 48	17 48	15 22	15 42	19 41		n.a.
T 28	0 29	18 18	4 38	3 0	1 52	14 22	1 1	11 13	3 0	22 10	0 22	19 36	1 55	9 23	0 26	12 59	1 53	22 49	17 48	15 23	15 43	19 41		n.a.
F 29	0 52	19 39	4 4	2 31	1 37	14 49	1 4	11 17	2 58	22 10	0 22	19 36	1 55	9 24	0 26	12 59	1 53	22 49	17 48	15 23	15 44	19 42		n.a.
S 30	1 16	20 8	3 20	2 1	1 21	15 15	1 7	11 21	2 55	22 11	0 22	19 36	1 55	9 25	0 26	12 58	1 53	22 49	17 48	15 23	15 45	19 43		n.a.
S 31	1n39	19s43	2n26	1n31	1n 5	15n41	1n10	11n24	2n52	22s11	0n22	19n37	1n55	9n26	0s26	12s58	1n53	22n50	17n47	15n23	15n46	19s43		n.a.

Julian Day Number = 1540318.5, Delta T = 04h38m10s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'15, Lahiri = -10°48'14 Julian Calendar 1 March 496 BCE == Greg. Calendar 24 Feb. 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

APRIL 496 BCE (-495) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 13 35	5♈ 4'21	2♒46	0°R39	9♉54	7°R32	12♐10	10°R41	25♈ 9	9°R10	13°R33	18♌50	17♌31	26♐53	n.a.	M 1
T 2	12 17 31	6° 2'19	15° 2	0♈ 3	11° 5	7♍17	12°11	10♌39	25°13	9♏ 9	13♍32	18°R51	17°28	27° 0	n.a.	T 2
W 3	12 21 28	7° 0'16	27°36	29♓28	12°16	7° 2	12°12	10°37	25°16	9° 7	13°30	18°50	17°25	27° 7	n.a.	W 3
T 4	12 25 24	7°58'12	10♓29	28°56	13°26	6°49	12°12	10°36	25°19	9° 6	13°29	18°48	17°21	27°13	n.a.	T 4
F 5	12 29 21	8°56'06	23°44	28°27	14°37	6°36	12°R12	10°34	25°23	9° 5	13°27	18°44	17°18	27°20	n.a.	F 5
S 6	12 33 18	9°53'59	7♈21	28° 1	15°48	6°24	12°12	10°33	25°26	9° 3	13°26	18°38	17°15	27°27	n.a.	S 6
S 7	12 37 14	10°51'50	21°17	27°40	16°58	6°12	12°12	10°32	25°30	9° 2	13°24	18°30	17°12	27°34	n.a.	S 7
M 8	12 41 11	11°49'39	5♉27	27°22	18° 9	6° 2	12°11	10°31	25°33	9° 1	13°23	18°21	17° 9	27°40	n.a.	M 8
T 9	12 45 7	12°47'27	19°48	27° 8	19°19	5°52	12°11	10°30	25°36	8°59	13°22	18°13	17° 5	27°47	n.a.	T 9
W10	12 49 4	13°45'13	4♊12	26°59	20°29	5°43	12°10	10°29	25°40	8°58	13°20	18° 6	17° 2	27°54	n.a.	W10
T 11	12 53 0	14°42'57	18°35	26°D55	21°39	5°35	12° 9	10°28	25°43	8°56	13°19	18° 1	16°59	28° 0	n.a.	T 11
F 12	12 56 57	15°40'39	2♋53	26°55	22°49	5°27	12° 8	10°27	25°47	8°55	13°17	17°59	16°56	28° 7	n.a.	F 12
S 13	13 0 53	16°38'20	17° 3	27° 0	23°59	5°21	12° 6	10°27	25°50	8°53	13°16	17°D58	16°53	28°14	n.a.	S 13
S 14	13 4 50	17°35'59	1♌ 4	27° 9	25° 9	5°15	12° 5	10°26	25°54	8°52	13°15	17°59	16°50	28°20	n.a.	S 14
M15	13 8 47	18°33'36	14°55	27°23	26°19	5°10	12° 3	10°26	25°57	8°51	13°13	17°R59	16°46	28°27	n.a.	M15
T 16	13 12 43	19°31'12	28°35	27°42	27°29	5° 6	12° 1	10°25	26° 1	8°49	13°12	17°59	16°43	28°34	n.a.	T 16
W17	13 16 40	20°28'46	12♍ 6	28° 5	28°38	5° 3	11°59	10°25	26° 4	8°48	13°11	17°56	16°40	28°40	n.a.	W17
T 18	13 20 36	21°26'18	25°26	28°32	29°48	5° 0	11°57	10°D25	26° 7	8°46	13°10	17°51	16°37	28°47	n.a.	T 18
F 19	13 24 33	22°23'49	8♎35	29° 3	0♊57	4°58	11°54	10°25	26°11	8°44	13° 8	17°44	16°34	28°54	n.a.	F 19
S 20	13 28 29	23°21'19	21°31	29°38	2° 7	4°58	11°51	10°25	26°14	8°43	13° 7	17°34	16°31	29° 0	n.a.	S 20
S 21	13 32 26	24°18'47	4♏15	0♈17	3°16	4°D57	11°49	10°25	26°18	8°41	13° 6	17°23	16°27	29° 7	n.a.	S 21
M22	13 36 22	25°16'15	16°45	1° 0	4°25	4°58	11°46	10°26	26°21	8°40	13° 5	17°11	16°24	29°14	n.a.	M22
T 23	13 40 19	26°13'41	29° 2	1°47	5°34	5° 0	11°42	10°26	26°25	8°38	13° 4	17° 0	16°21	29°21	n.a.	T 23
W24	13 44 15	27°11'06	11♐ 8	2°37	6°42	5° 2	11°39	10°27	26°28	8°37	13° 3	16°51	16°18	29°27	n.a.	W24
T 25	13 48 12	28° 8'30	23° 5	3°31	7°51	5° 5	11°35	10°27	26°32	8°35	13° 2	16°43	16°15	29°34	n.a.	T 25
F 26	13 52 9	29° 5'54	4♑57	4°28	9° 0	5° 9	11°32	10°28	26°35	8°34	13° 1	16°38	16°11	29°41	n.a.	F 26
S 27	13 56 5	0♉ 3'17	16°47	5°29	10° 8	5°13	11°28	10°29	26°39	8°32	13° 0	16°36	16° 8	29°47	n.a.	S 27
S 28	14 0 2	1° 0'38	28°40	6°33	11°16	5°18	11°24	10°30	26°42	8°30	12°59	16°D35	16° 5	29°54	n.a.	S 28
M29	14 3 58	1°57'59	10♒42	7°40	12°25	5°24	11°20	10°31	26°46	8°29	12°58	16°R35	16° 2	0♑ 1	n.a.	M29
T 30	14 7 55	2♉55'20	22♒58	8♈50	13♊33	5♍31	11♐15	10♌32	26♈49	8♏27	12♍57	16♌35	15♌59	0♑ 7	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n 2	18s24	1n26	1n 0	0n49	16n 7	1n13	11n28	2n49	22s11	0n22	19n37	1n55	9n28	0s26	12s57	1n53	22n50	17n47	15n23	15n47	19s44		n.a.
T 2	2 26	16 13	0 21	0 30	0 32	16 33	1 16	11 31	2 46	22 11	0 22	19 38	1 54	9 29	0 26	12 57	1 53	22 51	17 47	15 22	15 48	19 45		n.a.
W 3	2 49	13 12	0s47	0 1	0 15	16 58	1 19	11 34	2 43	22 11	0 22	19 38	1 54	9 30	0 26	12 56	1 53	22 51	17 47	15 22	15 49	19 46		n.a.
T 4	3 12	9 29	1 54	0s27	0s 2	17 22	1 21	11 36	2 40	22 11	0 22	19 38	1 54	9 31	0 26	12 56	1 53	22 52	17 46	15 23	15 50	19 46		n.a.
F 5	3 35	5 13	2 57	0 54	0 18	17 46	1 24	11 38	2 37	22 11	0 22	19 39	1 54	9 33	0 26	12 56	1 53	22 52	17 46	15 24	15 51	19 47		n.a.
S 6	3 58	0 34	3 51	1 19	0 35	18 10	1 27	11 40	2 34	22 12	0 22	19 39	1 54	9 34	0 26	12 55	1 53	22 52	17 46	15 26	15 52	19 48		n.a.
S 7	4 21	4n12	4 32	1 43	0 50	18 33	1 30	11 42	2 31	22 12	0 22	19 39	1 54	9 35	0 26	12 55	1 53	22 53	17 46	15 29	15 53	19 48		n.a.
M 8	4 44	8 50	4 58	2 4	1 6	18 56	1 32	11 43	2 28	22 12	0 22	19 39	1 54	9 36	0 26	12 54	1 53	22 53	17 45	15 32	15 54	19 49		n.a.
T 9	5 7	13 1	5 6	2 22	1 20	19 18	1 35	11 44	2 25	22 12	0 22	19 40	1 54	9 38	0 26	12 54	1 53	22 53	17 45	15 34	15 55	19 50		n.a.
W10	5 30	16 27	4 54	2 39	1 34	19 40	1 38	11 44	2 22	22 12	0 21	19 40	1 54	9 39	0 26	12 53	1 53	22 54	17 45	15 36	15 56	19 50		n.a.
T 11	5 52	18 53	4 24	2 52	1 47	20 2	1 40	11 45	2 19	22 11	0 21	19 40	1 53	9 40	0 26	12 53	1 53	22 54	17 45	15 38	15 57	19 51		n.a.
F 12	6 15	20 6	3 37	3 3	1 59	20 23	1 43	11 45	2 16	22 11	0 21	19 40	1 53	9 41	0 26	12 52	1 53	22 54	17 44	15 39	15 58	19 52		n.a.
S 13	6 37	20 3	2 38	3 12	2 10	20 43	1 45	11 44	2 13	22 11	0 21	19 40	1 53	9 43	0 26	12 52	1 53	22 54	17 44	15 39	15 59	19 52		n.a.
S 14	7 0	18 44	1 29	3 17	2 21	21 3	1 48	11 44	2 10	22 11	0 21	19 40	1 53	9 44	0 26	12 51	1 53	22 55	17 44	15 39	16 0	19 53		n.a.
M15	7 22	16 19	0 16	3 20	2 30	21 22	1 50	11 43	2 7	22 11	0 21	19 40	1 53	9 45	0 26	12 51	1 53	22 55	17 43	15 38	16 1	19 54		n.a.
T 16	7 44	13 0	0n56	3 21	2 38	21 41	1 52	11 41	2 4	22 11	0 21	19 40	1 53	9 47	0 26	12 50	1 53	22 55	17 43	15 39	16 2	19 54		n.a.
W17	8 6	9 2	2 5	3 18	2 46	21 59	1 55	11 40	2 1	22 11	0 21	19 40	1 53	9 48	0 26	12 50	1 53	22 55	17 43	15 39	16 3	19 55		n.a.
T 18	8 28	4 40	3 6	3 14	2 53	22 17	1 57	11 38	1 58	22 10	0 21	19 40	1 53	9 49	0 26	12 49	1 53	22 55	17 42	15 41	16 4	19 56		n.a.
F 19	8 50	0 9	3 55	3 6	2 59	22 34	1 59	11 36	1 56	22 10	0 21	19 40	1 52	9 50	0 26	12 49	1 53	22 56	17 42	15 43	16 5	19 56		n.a.
S 20	9 11	4s18	4 32	2 57	3 3	22 50	2 1	11 34	1 53	22 10	0 21	19 40	1 52	9 52	0 26	12 48	1 53	22 56	17 42	15 46	16 6	19 57		n.a.
S 21	9 33	8 29	4 55	2 45	3 7	23 6	2 3	11 31	1 50	22 10	0 21	19 39	1 52	9 53	0 26	12 48	1 53	22 56	17 41	15 50	16 7	19 58		n.a.
M22	9 54	12 14	5 2	2 30	3 11	23 21	2 5	11 28	1 47	22 9	0 20	19 39	1 52	9 54	0 26	12 47	1 53	22 56	17 41	15 53	16 8	19 58		n.a.
T 23	10 15	15 24	4 56	2 14	3 13	23 36	2 7	11 25	1 44	22 9	0 20	19 39	1 52	9 56	0 26	12 47	1 53	22 56	17 40	15 57	16 9	19 59		n.a.
W24	10 36	17 51	4 36	1 55	3 15	23 50	2 9	11 21	1 41	22 9	0 20	19 39	1 52	9 57	0 26	12 46	1 53	22 56	17 40	16 0	16 10	20 0		n.a.
T 25	10 57	19 30	4 4	1 34	3 15	24 3	2 11	11 18	1 38	22 8	0 20	19 38	1 52	9 58	0 26	12 46	1 53	22 56	17 40	16 2	16 11	20 0		n.a.
F 26	11 18	20 18	3 22	1 11	3 15	24 16	2 12	11 14	1 35	22 8	0 20	19 38	1 52	9 59	0 26	12 45	1 53	22 56	17 39	16 3	16 11	20 1		n.a.
S 27	11 38	20 11	2 31	0 46	3 14	24 28	2 14	11 9	1 33	22 7	0 20	19 38	1 51	10 1	0 26	12 45	1 53	22 56	17 39	16 4	16 12	20 2		n.a.
S 28	11 59	19 10	1 34	0 19	3 13	24 39	2 15	11 5	1 30	22 7	0 20	19 37	1 51	10 2	0 26	12 44	1 53	22 56	17 38	16 4	16 13	20 2		n.a.
M29	12 19	17 17	0 31	0n10	3 11	24 50	2 17	11 0	1 27	22 6	0 20	19 37	1 51	10 3	0 26	12 44	1 53	22 56	17 38	16 4	16 14	20 3		n.a.
T 30	12n39	14s34	0s34	0n40	3s 8	25n 0	2n18	10n55	1n25	22s 6	0n20	19n36	1n51	10n 5	0s26	12s43	1n53	22n56	17n37	16n 4	16n15	20s 3		n.a.

Julian Day Number = 1540349.5, Delta T = 04h38m09s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'10, Lahiri = -10°48'10 Julian Calendar 1 Apr. 496 BCE == Greg. Calendar 27 March 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

MAY 496 BCE (-495) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 11 51	3♉52'39	5♓33	10♈ 3	14♊41	5♍38	11°R11	10♌33	26♈53	8°R26	12°R56	16°R34	15♌56	0♑14	n.a.	W 1
T 2	14 15 48	4°49'58	18°31	11°19	15°49	5°46	11♐ 6	10°34	26°56	8♏24	12♍55	16♌30	15°52	0°21	n.a.	T 2
F 3	14 19 44	5°47'16	1♈55	12°37	16°56	5°55	11° 1	10°36	27° 0	8°22	12°54	16°25	15°49	0°27	n.a.	F 3
S 4	14 23 41	6°44'34	15°46	13°59	18° 4	6° 4	10°56	10°37	27° 3	8°21	12°53	16°16	15°46	0°34	n.a.	S 4
S 5	14 27 38	7°41'51	0♉ 1	15°24	19°11	6°14	10°51	10°39	27° 7	8°19	12°52	16° 6	15°43	0°41	n.a.	S 5
M 6	14 31 34	8°39'07	14°34	16°51	20°19	6°25	10°46	10°41	27°10	8°17	12°52	15°55	15°40	0°47	n.a.	M 6
T 7	14 35 31	9°36'22	29°20	18°21	21°26	6°36	10°40	10°42	27°14	8°16	12°51	15°44	15°36	0°54	n.a.	T 7
W 8	14 39 27	10°33'37	14♊ 9	19°54	22°33	6°48	10°35	10°44	27°17	8°14	12°50	15°35	15°33	1° 1	n.a.	W 8
T 9	14 43 24	11°30'51	28°54	21°30	23°39	7° 1	10°29	10°46	27°20	8°13	12°50	15°28	15°30	1° 8	n.a.	T 9
F 10	14 47 20	12°28'04	13♋28	23° 8	24°46	7°14	10°23	10°48	27°24	8°11	12°49	15°23	15°27	1°14	n.a.	F 10
S 11	14 51 17	13°25'16	27°46	24°49	25°53	7°28	10°17	10°51	27°27	8° 9	12°48	15°22	15°24	1°21	n.a.	S 11
S 12	14 55 14	14°22'27	11♌48	26°33	26°59	7°42	10°11	10°53	27°31	8° 8	12°48	15°21	15°21	1°28	n.a.	S 12
M13	14 59 10	15°19'37	25°32	28°19	28° 5	7°57	10° 5	10°55	27°34	8° 6	12°47	15°21	15°17	1°34	n.a.	M13
T 14	15 3 7	16°16'46	9♍ 0	0♉ 9	29°11	8°13	9°58	10°58	27°37	8° 5	12°47	15°20	15°14	1°41	n.a.	T 14
W15	15 7 3	17°13'54	22°14	2° 0	0♋17	8°29	9°52	11° 0	27°41	8° 3	12°46	15°17	15°11	1°48	n.a.	W15
T 16	15 11 0	18°11'02	5♎15	3°54	1°23	8°46	9°45	11° 3	27°44	8° 1	12°46	15°11	15° 8	1°54	n.a.	T 16
F 17	15 14 56	19° 8'09	18° 3	5°51	2°28	9° 3	9°39	11° 6	27°47	8° 0	12°45	15° 3	15° 5	2° 1	n.a.	F 17
S 18	15 18 53	20° 5'16	0♏41	7°49	3°33	9°20	9°32	11° 9	27°51	7°58	12°45	14°52	15° 2	2° 8	n.a.	S 18
S 19	15 22 49	21° 2'22	13° 8	9°50	4°38	9°39	9°25	11°12	27°54	7°57	12°45	14°39	14°58	2°14	n.a.	S 19
M20	15 26 46	21°59'28	25°26	11°53	5°43	9°57	9°18	11°15	27°57	7°55	12°44	14°26	14°55	2°21	n.a.	M20
T 21	15 30 43	22°56'33	7♐34	13°58	6°48	10°16	9°11	11°18	28° 0	7°54	12°44	14°13	14°52	2°28	n.a.	T 21
W22	15 34 39	23°53'39	19°33	16° 4	7°52	10°36	9° 4	11°21	28° 4	7°52	12°44	14° 2	14°49	2°34	n.a.	W22
T 23	15 38 36	24°50'44	1♑26	18°12	8°56	10°56	8°57	11°24	28° 7	7°50	12°43	13°53	14°46	2°41	n.a.	T 23
F 24	15 42 32	25°47'49	13°15	20°21	10° 0	11°17	8°49	11°28	28°10	7°49	12°43	13°47	14°42	2°48	n.a.	F 24
S 25	15 46 29	26°44'55	25° 4	22°31	11° 4	11°38	8°42	11°31	28°13	7°47	12°43	13°44	14°39	2°54	n.a.	S 25
S 26	15 50 25	27°42'00	6♒56	24°41	12° 7	11°59	8°35	11°35	28°16	7°46	12°43	13°42	14°36	3° 1	n.a.	S 26
M27	15 54 22	28°39'05	18°57	26°52	13°11	12°21	8°27	11°38	28°19	7°44	12°43	13°D42	14°33	3° 8	n.a.	M27
T 28	15 58 18	29°36'11	1♓11	29° 3	14°13	12°44	8°20	11°42	28°23	7°43	12°43	13°R42	14°30	3°14	n.a.	T 28
W29	16 2 15	0♊33'17	13°45	1♊13	15°16	13° 6	8°12	11°46	28°26	7°41	12°43	13°42	14°27	3°21	n.a.	W29
T 30	16 6 12	1°30'23	26°42	3°23	16°19	13°30	8° 5	11°50	28°29	7°40	12°D43	13°39	14°23	3°28	n.a.	T 30
F 31	16 10 8	2♊27'30	10♈ 7	5♊32	17♋21	13♍53	7♐57	11♌54	28♈32	7♏39	12♍43	13♌35	14♌20	3♑34	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	12n59	11s 8	1s39	1n13	3s 4	25n10	2n19	10n50	1n22	22s 5	0n20	19n36	1n51	10n 6	0s26	12s43	1n53	22n56	17n37	16n 5	16n16	20s 4			n.a.
T 2	13 18	7 3	2 41	1 47	3 0	25 19	2 20	10 44	1 19	22 5	0 19	19 36	1 51	10 7	0 25	12 42	1 53	22 56	17 37	16 6	16 17	20 5			n.a.
F 3	13 37	2 31	3 36	2 22	2 55	25 27	2 21	10 39	1 17	22 4	0 19	19 35	1 51	10 8	0 25	12 42	1 53	22 56	17 36	16 8	16 18	20 5			n.a.
S 4	13 57	2n18	4 20	2 59	2 50	25 34	2 22	10 33	1 14	22 4	0 19	19 34	1 51	10 10	0 25	12 41	1 53	22 56	17 36	16 10	16 19	20 6			n.a.
S 5	14 16	7 7	4 49	3 38	2 43	25 41	2 23	10 27	1 11	22 3	0 19	19 34	1 50	10 11	0 25	12 41	1 53	22 56	17 35	16 13	16 20	20 6			n.a.
M 6	14 34	11 38	5 1	4 18	2 37	25 47	2 24	10 20	1 9	22 2	0 19	19 33	1 50	10 12	0 25	12 40	1 53	22 56	17 35	16 17	16 21	20 7			n.a.
T 7	14 53	15 31	4 52	4 59	2 30	25 53	2 25	10 14	1 6	22 2	0 19	19 33	1 50	10 13	0 25	12 39	1 53	22 56	17 34	16 20	16 22	20 8			n.a.
W 8	15 11	18 25	4 25	5 42	2 22	25 57	2 25	10 7	1 4	22 1	0 19	19 32	1 50	10 15	0 25	12 39	1 53	22 55	17 34	16 23	16 23	20 8			n.a.
T 9	15 29	20 6	3 39	6 26	2 14	26 1	2 26	10 0	1 2	22 0	0 19	19 31	1 50	10 16	0 25	12 38	1 53	22 55	17 33	16 25	16 24	20 9			n.a.
F 10	15 47	20 25	2 40	7 10	2 5	26 5	2 26	9 53	0 59	21 59	0 19	19 31	1 50	10 17	0 25	12 38	1 53	22 55	17 33	16 26	16 25	20 9			n.a.
S 11	16 4	19 23	1 32	7 56	1 56	26 7	2 26	9 45	0 57	21 59	0 18	19 30	1 50	10 18	0 25	12 37	1 53	22 55	17 32	16 26	16 26	20 10			n.a.
S 12	16 22	17 10	0 19	8 43	1 46	26 9	2 26	9 38	0 54	21 58	0 18	19 29	1 50	10 20	0 25	12 37	1 53	22 55	17 32	16 27	16 27	20 10			n.a.
M13	16 39	14 1	0n54	9 31	1 36	26 11	2 26	9 30	0 52	21 57	0 18	19 28	1 49	10 21	0 25	12 36	1 53	22 54	17 31	16 27	16 28	20 11			n.a.
T 14	16 55	10 10	2 2	10 20	1 26	26 11	2 26	9 22	0 50	21 56	0 18	19 28	1 49	10 22	0 25	12 36	1 53	22 54	17 31	16 27	16 29	20 12			n.a.
W15	17 12	5 54	3 2	11 9	1 16	26 11	2 26	9 14	0 48	21 55	0 18	19 27	1 49	10 23	0 25	12 35	1 53	22 54	17 30	16 28	16 30	20 12			n.a.
T 16	17 28	1 25	3 51	11 58	1 5	26 11	2 26	9 5	0 45	21 55	0 18	19 26	1 49	10 24	0 25	12 35	1 53	22 53	17 30	16 30	16 31	20 13			n.a.
F 17	17 44	3s 3	4 28	12 48	0 54	26 9	2 25	8 57	0 43	21 54	0 18	19 25	1 49	10 26	0 25	12 34	1 53	22 53	17 29	16 32	16 31	20 13			n.a.
S 18	18 0	7 19	4 51	13 37	0 43	26 7	2 25	8 48	0 41	21 53	0 18	19 24	1 49	10 27	0 25	12 34	1 53	22 53	17 29	16 35	16 32	20 14			n.a.
S 19	18 15	11 13	5 0	14 27	0 32	26 4	2 24	8 39	0 39	21 52	0 17	19 23	1 49	10 28	0 25	12 33	1 53	22 53	17 28	16 39	16 33	20 14			n.a.
M20	18 30	14 36	4 55	15 16	0 21	26 1	2 23	8 30	0 37	21 51	0 17	19 22	1 49	10 29	0 25	12 33	1 53	22 52	17 28	16 43	16 34	20 15			n.a.
T 21	18 45	17 19	4 36	16 5	0 10	25 57	2 22	8 21	0 34	21 50	0 17	19 21	1 49	10 30	0 25	12 32	1 53	22 52	17 27	16 47	16 35	20 15			n.a.
W22	19 0	19 16	4 5	16 53	0n 1	25 52	2 21	8 11	0 32	21 49	0 17	19 20	1 48	10 32	0 25	12 32	1 53	22 51	17 26	16 50	16 36	20 16			n.a.
T 23	19 14	20 21	3 24	17 40	0 12	25 47	2 20	8 2	0 30	21 48	0 17	19 19	1 48	10 33	0 25	12 31	1 53	22 51	17 26	16 53	16 37	20 16			n.a.
F 24	19 28	20 32	2 34	18 26	0 23	25 41	2 19	7 52	0 28	21 47	0 17	19 18	1 48	10 34	0 25	12 31	1 53	22 51	17 25	16 54	16 38	20 17			n.a.
S 25	19 41	19 48	1 37	19 10	0 33	25 34	2 17	7 42	0 26	21 46	0 17	19 17	1 48	10 35	0 25	12 31	1 53	22 50	17 25	16 55	16 39	20 17			n.a.
S 26	19 54	18 12	0 36	19 53	0 43	25 27	2 16	7 32	0 24	21 45	0 16	19 16	1 48	10 36	0 25	12 30	1 53	22 50	17 24	16 56	16 40	20 18			n.a.
M27	20 7	15 47	0s28	20 33	0 52	25 19	2 14	7 21	0 22	21 44	0 16	19 15	1 48	10 37	0 25	12 30	1 53	22 49	17 24	16 56	16 41	20 18			n.a.
T 28	20 20	12 37	1 32	21 12	1 1	25 10	2 12	7 11	0 20	21 43	0 16	19 13	1 48	10 38	0 25	12 29	1 53	22 49	17 23	16 56	16 42	20 19			n.a.
W29	20 32	8 49	2 33	21 48	1 9	25 1	2 10	7 0	0 19	21 42	0 16	19 12	1 48	10 40	0 25	12 29	1 53	22 48	17 23	16 56	16 43	20 19			n.a.
T 30	20 44	4 30	3 28	22 21	1 16	24 52	2 8	6 50	0 17	21 41	0 16	19 11	1 47	10 41	0 25	12 28	1 53	22 48	17 22	16 57	16 44	20 20			n.a.
F 31	20n56	0n11	4s13	22n53	1n23	24n41	2n 6	6n39	0n15	21s40	0n16	19n10	1n47	10n42	0s25	12s28	1n53	22n47	17n21	16n58	16n45	20s20			n.a.

Julian Day Number = 1540379.5, Delta T = 04h38m07s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'06, Lahiri = -10°48'06 Julian Calendar 1 May 496 BCE == Greg. Calendar 26 Apr. 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

JUNE 496 BCE (-495) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 14 5	3♊24'36	24♈ 0	7♊41	18♋23	14♍17	7°R49	11♌58	28♈35	7°R37	12♍43	13°R28	14♌17	3♎41	n.a.	S 1
S 2	16 18 1	4°21'43	8♉22	9°48	19°24	14°41	7♐42	12° 2	28°38	7♏36	12°43	13♌19	14°14	3°48	n.a.	S 2
M 3	16 21 58	5°18'51	23° 7	11°54	20°26	15° 6	7°34	12° 6	28°41	7°34	12°43	13° 9	14°11	3°55	n.a.	M 3
T 4	16 25 54	6°15'59	8♊ 8	13°58	21°27	15°31	7°26	12°10	28°44	7°33	12°43	12°59	14° 8	4° 1	n.a.	T 4
W 5	16 29 51	7°13'07	23°16	16° 1	22°27	15°57	7°19	12°15	28°47	7°32	12°43	12°51	14° 4	4° 8	n.a.	W 5
T 6	16 33 47	8°10'15	8♋20	18° 2	23°28	16°23	7°11	12°19	28°49	7°30	12°44	12°45	14° 1	4°15	n.a.	T 6
F 7	16 37 44	9° 7'23	23°12	20° 2	24°28	16°49	7° 3	12°24	28°52	7°29	12°44	12°41	13°58	4°21	n.a.	F 7
S 8	16 41 41	10° 4'31	7♌45	21°59	25°28	17°16	6°56	12°28	28°55	7°28	12°44	12°D40	13°55	4°28	n.a.	S 8
S 9	16 45 37	11° 1'40	21°57	23°55	26°27	17°43	6°48	12°33	28°58	7°26	12°45	12°40	13°52	4°35	n.a.	S 9
M10	16 49 34	11°58'48	5♍45	25°50	27°26	18°10	6°40	12°38	29° 1	7°25	12°45	12°R40	13°48	4°41	n.a.	M10
T 11	16 53 30	12°55'57	19°11	27°42	28°25	18°37	6°33	12°43	29° 3	7°24	12°45	12°40	13°45	4°48	n.a.	T 11
W12	16 57 27	13°53'05	2♎18	29°32	29°23	19° 5	6°25	12°47	29° 6	7°23	12°46	12°39	13°42	4°55	n.a.	W12
T 13	17 1 23	14°50'14	15° 7	1♋21	0♌21	19°34	6°17	12°52	29° 9	7°21	12°46	12°35	13°39	5° 1	n.a.	T 13
F 14	17 5 20	15°47'23	27°43	3° 8	1°18	20° 2	6°10	12°57	29°12	7°20	12°47	12°29	13°36	5° 8	n.a.	F 14
S 15	17 9 17	16°44'32	10♏ 6	4°52	2°15	20°31	6° 2	13° 2	29°14	7°19	12°47	12°21	13°33	5°15	n.a.	S 15
S 16	17 13 13	17°41'42	22°20	6°35	3°11	21° 0	5°55	13° 8	29°17	7°18	12°48	12°11	13°29	5°21	n.a.	S 16
M17	17 17 10	18°38'53	4♐25	8°17	4° 7	21°30	5°48	13°13	29°19	7°17	12°49	12° 1	13°26	5°28	n.a.	M17
T 18	17 21 6	19°36'04	16°24	9°56	5° 3	21°59	5°40	13°18	29°22	7°16	12°49	11°52	13°23	5°35	n.a.	T 18
W19	17 25 3	20°33'15	28°17	11°33	5°58	22°30	5°33	13°23	29°24	7°15	12°50	11°44	13°20	5°41	n.a.	W19
T 20	17 28 59	21°30'28	10♑ 7	13° 9	6°52	23° 0	5°26	13°29	29°27	7°14	12°51	11°37	13°17	5°48	n.a.	T 20
F 21	17 32 56	22°27'41	21°56	14°42	7°46	23°30	5°19	13°34	29°29	7°13	12°51	11°33	13°14	5°55	n.a.	F 21
S 22	17 36 52	23°24'55	3♒45	16°14	8°40	24° 1	5°12	13°40	29°32	7°12	12°52	11°31	13°10	6° 1	n.a.	S 22
S 23	17 40 49	24°22'10	15°39	17°44	9°33	24°32	5° 5	13°46	29°34	7°11	12°53	11°D31	13° 7	6° 8	n.a.	S 23
M24	17 44 46	25°19'27	27°42	19°12	10°25	25° 4	4°58	13°51	29°36	7°10	12°54	11°32	13° 4	6°15	n.a.	M24
T 25	17 48 42	26°16'44	9♓57	20°39	11°16	25°35	4°51	13°57	29°38	7° 9	12°55	11°33	13° 1	6°21	n.a.	T 25
W26	17 52 39	27°14'02	22°29	22° 3	12° 7	26° 7	4°45	14° 3	29°41	7° 8	12°55	11°R34	12°58	6°28	n.a.	W26
T 27	17 56 35	28°11'22	5♈24	23°25	12°58	26°39	4°38	14° 8	29°43	7° 7	12°56	11°34	12°54	6°35	n.a.	T 27
F 28	18 0 32	29° 8'42	18°44	24°45	13°47	27°12	4°32	14°14	29°45	7° 6	12°57	11°32	12°51	6°41	n.a.	F 28
S 29	18 4 28	0♋ 6'04	2♉32	26° 3	14°36	27°44	4°26	14°20	29°47	7° 5	12°58	11°29	12°48	6°48	n.a.	S 29
S 30	18 8 25	1♋ 3'28	16♉49	27♋20	15♌25	28♍17	4♐19	14♌26	29♈49	7♏ 4	12♍59	11♌24	12♌45	6♎55	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 7	5n 0	4s46	23n21	1n30	24n31	2n 3	6n28	0n13	21s39	0n16	19n 9	1n47	10n43	0s26	12s27	1n53	22n47	17n21	17n 0	16n46	20s21		n.a.
S 2	21 18	9 43	5 2	23 47	1 35	24 19	2 1	6 17	0 11	21 38	0 15	19 7	1 47	10 44	0 26	12 27	1 53	22 46	17 20	17 3	16 47	20 21		n.a.
M 3	21 28	13 59	4 58	24 10	1 40	24 7	1 58	6 5	0 9	21 36	0 15	19 6	1 47	10 45	0 26	12 27	1 53	22 46	17 20	17 5	16 47	20 22		n.a.
T 4	21 38	17 26	4 35	24 30	1 44	23 55	1 55	5 54	0 8	21 35	0 15	19 5	1 47	10 46	0 26	12 26	1 53	22 45	17 19	17 8	16 48	20 22		n.a.
W 5	21 48	19 44	3 51	24 48	1 48	23 42	1 52	5 42	0 6	21 34	0 15	19 3	1 47	10 47	0 26	12 26	1 53	22 44	17 19	17 11	16 49	20 23		n.a.
T 6	21 57	20 37	2 52	25 3	1 51	23 28	1 49	5 30	0 4	21 33	0 15	19 2	1 47	10 48	0 26	12 25	1 53	22 44	17 18	17 12	16 50	20 23		n.a.
F 7	22 6	20 3	1 42	25 15	1 53	23 14	1 46	5 19	0 3	21 32	0 15	19 1	1 47	10 49	0 26	12 25	1 53	22 43	17 18	17 13	16 51	20 24		n.a.
S 8	22 15	18 9	0 26	25 25	1 54	23 0	1 42	5 7	0 1	21 31	0 15	18 59	1 47	10 50	0 26	12 25	1 53	22 43	17 17	17 14	16 52	20 24		n.a.
S 9	22 23	15 9	0n49	25 32	1 55	22 45	1 38	4 54	0s 1	21 30	0 14	18 58	1 46	10 51	0 26	12 24	1 53	22 42	17 16	17 14	16 53	20 25		n.a.
M10	22 31	11 23	2 0	25 36	1 55	22 30	1 35	4 42	0 2	21 28	0 14	18 56	1 46	10 52	0 26	12 24	1 53	22 41	17 16	17 14	16 54	20 25		n.a.
T 11	22 39	7 7	3 2	25 39	1 55	22 14	1 31	4 30	0 4	21 27	0 14	18 55	1 46	10 53	0 26	12 23	1 53	22 41	17 15	17 14	16 55	20 26		n.a.
W12	22 46	2 38	3 53	25 39	1 54	21 57	1 27	4 17	0 6	21 26	0 14	18 53	1 46	10 54	0 26	12 23	1 52	22 40	17 15	17 14	16 56	20 26		n.a.
T 13	22 53	1s52	4 31	25 37	1 52	21 41	1 22	4 5	0 7	21 25	0 14	18 52	1 46	10 55	0 26	12 23	1 52	22 39	17 14	17 15	16 57	20 26		n.a.
F 14	22 59	6 12	4 55	25 32	1 50	21 24	1 18	3 52	0 9	21 24	0 14	18 50	1 46	10 56	0 26	12 22	1 52	22 38	17 14	17 17	16 58	20 27		n.a.
S 15	23 5	10 13	5 5	25 26	1 47	21 6	1 13	3 39	0 10	21 23	0 13	18 49	1 46	10 57	0 26	12 22	1 52	22 38	17 13	17 19	16 59	20 27		n.a.
S 16	23 11	13 45	5 1	25 18	1 43	20 48	1 8	3 26	0 12	21 22	0 13	18 47	1 46	10 58	0 26	12 22	1 52	22 37	17 12	17 22	16 59	20 28		n.a.
M17	23 16	16 40	4 43	25 9	1 39	20 30	1 3	3 13	0 13	21 20	0 13	18 46	1 46	10 59	0 26	12 21	1 52	22 36	17 12	17 25	17 0	20 28		n.a.
T 18	23 20	18 52	4 12	24 57	1 35	20 12	0 58	3 0	0 15	21 19	0 13	18 44	1 46	11 0	0 26	12 21	1 52	22 36	17 11	17 27	17 1	20 29		n.a.
W19	23 25	20 13	3 31	24 44	1 30	19 53	0 53	2 46	0 16	21 18	0 13	18 42	1 46	11 0	0 26	12 21	1 52	22 35	17 11	17 30	17 2	20 29		n.a.
T 20	23 29	20 41	2 41	24 30	1 25	19 34	0 47	2 33	0 18	21 17	0 13	18 41	1 46	11 1	0 26	12 20	1 52	22 34	17 10	17 31	17 3	20 29		n.a.
F 21	23 32	20 14	1 44	24 14	1 19	19 14	0 42	2 19	0 19	21 16	0 12	18 39	1 45	11 2	0 26	12 20	1 52	22 33	17 10	17 33	17 4	20 30		n.a.
S 22	23 35	18 53	0 42	23 57	1 12	18 55	0 36	2 6	0 20	21 15	0 12	18 37	1 45	11 3	0 26	12 20	1 52	22 32	17 9	17 33	17 5	20 30		n.a.
S 23	23 38	16 43	0s22	23 39	1 6	18 35	0 30	1 52	0 22	21 14	0 12	18 36	1 45	11 4	0 26	12 20	1 52	22 32	17 9	17 33	17 6	20 31		n.a.
M24	23 40	13 47	1 27	23 19	0 59	18 14	0 24	1 38	0 23	21 13	0 12	18 34	1 45	11 5	0 26	12 19	1 52	22 31	17 8	17 33	17 7	20 31		n.a.
T 25	23 42	10 13	2 28	22 59	0 51	17 54	0 17	1 24	0 24	21 12	0 12	18 32	1 45	11 5	0 26	12 19	1 52	22 30	17 8	17 33	17 8	20 31		n.a.
W26	23 43	6 8	3 24	22 38	0 43	17 33	0 11	1 10	0 26	21 11	0 12	18 30	1 45	11 6	0 26	12 19	1 52	22 29	17 7	17 32	17 9	20 32		n.a.
T 27	23 44	1 40	4 11	22 16	0 35	17 12	0 4	0 56	0 27	21 10	0 11	18 29	1 45	11 7	0 26	12 19	1 52	22 28	17 6	17 32	17 10	20 32		n.a.
F 28	23 45	3n 1	4 46	21 53	0 26	16 51	0s 3	0 42	0 28	21 9	0 11	18 27	1 45	11 8	0 26	12 18	1 52	22 27	17 6	17 33	17 10	20 33		n.a.
S 29	23 45	7 43	5 7	21 30	0 17	16 30	0 10	0 27	0 30	21 8	0 11	18 25	1 45	11 9	0 26	12 18	1 52	22 26	17 5	17 34	17 11	20 33		n.a.
S 30	23n45	12n 8	5s 9	21n 6	0n 8	16n 9	0s17	0n13	0s31	21s 7	0n11	18n23	1n45	11n 9	0s26	12s18	1n52	22n26	17n 5	17n35	17n12	20s33		n.a.

Julian Day Number = 1540410.5, Delta T = 04h38m06s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°55'02, Lahiri = -10°48'02 Julian Calendar 1 June 496 BCE == Greg. Calendar 27 May 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

JULY 496 BCE (-495) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 12 21	2♋ 0'52	1♊31	28♋33	16♌12	28♍50	4°R13	14♌32	29♈51	7°R 4	13♍ 0	11°R18	12♌42	7♉ 1	n.a.	M 1
T 2	18 16 18	2°58'18	16°33	29°45	16°59	29°24	4♐ 7	14°38	29°53	7♏ 3	13° 2	11♌13	12°39	7° 8	n.a.	T 2
W 3	18 20 15	3°55'46	1♋45	0♌55	17°45	29°57	4° 2	14°45	29°55	7° 2	13° 3	11° 8	12°35	7°15	n.a.	W 3
T 4	18 24 11	4°53'14	16°59	2° 2	18°30	0♎31	3°56	14°51	29°57	7° 2	13° 4	11° 4	12°32	7°21	n.a.	T 4
F 5	18 28 8	5°50'44	2♌ 3	3° 6	19°14	1° 5	3°51	14°57	29°59	7° 1	13° 5	11° 3	12°29	7°28	n.a.	F 5
S 6	18 32 4	6°48'14	16°50	4° 8	19°57	1°39	3°45	15° 3	0♉ 1	7° 0	13° 6	11°D 2	12°26	7°35	n.a.	S 6
S 7	18 36 1	7°45'45	1♍13	5° 8	20°39	2°14	3°40	15°10	0° 3	7° 0	13° 7	11° 3	12°23	7°41	n.a.	S 7
M 8	18 39 57	8°43'18	15°11	6° 4	21°21	2°48	3°35	15°16	0° 4	6°59	13° 9	11° 5	12°20	7°48	n.a.	M 8
T 9	18 43 54	9°40'51	28°44	6°57	22° 1	3°23	3°30	15°23	0° 6	6°59	13°10	11° 6	12°16	7°55	n.a.	T 9
W10	18 47 50	10°38'26	11♎52	7°48	22°40	3°58	3°25	15°29	0° 8	6°58	13°11	11°R 7	12°13	8° 2	n.a.	W10
T 11	18 51 47	11°36'01	24°39	8°35	23°18	4°34	3°21	15°36	0° 9	6°58	13°13	11° 6	12°10	8° 8	n.a.	T 11
F 12	18 55 44	12°33'38	7♏ 9	9°19	23°55	5° 9	3°16	15°42	0°11	6°57	13°14	11° 4	12° 7	8°15	n.a.	F 12
S 13	18 59 40	13°31'15	19°24	9°59	24°31	5°45	3°12	15°49	0°12	6°57	13°15	11° 0	12° 4	8°22	n.a.	S 13
S 14	19 3 37	14°28'54	1♐29	10°35	25° 5	6°21	3° 8	15°55	0°14	6°56	13°17	10°56	12° 0	8°28	n.a.	S 14
M15	19 7 33	15°26'34	13°27	11° 7	25°38	6°57	3° 4	16° 2	0°15	6°56	13°18	10°52	11°57	8°35	n.a.	M15
T 16	19 11 30	16°24'16	25°19	11°35	26°10	7°33	3° 0	16° 9	0°17	6°56	13°20	10°48	11°54	8°42	n.a.	T 16
W17	19 15 26	17°21'59	7♉ 9	11°58	26°40	8° 9	2°56	16°15	0°18	6°55	13°21	10°44	11°51	8°48	n.a.	W17
T 18	19 19 23	18°19'44	18°58	12°17	27° 9	8°46	2°53	16°22	0°19	6°55	13°23	10°42	11°48	8°55	n.a.	T 18
F 19	19 23 19	19°17'30	0♒49	12°31	27°36	9°23	2°50	16°29	0°21	6°55	13°25	10°41	11°45	9° 2	n.a.	F 19
S 20	19 27 16	20°15'17	12°44	12°39	28° 2	10° 0	2°47	16°36	0°22	6°55	13°26	10°D40	11°41	9° 8	n.a.	S 20
S 21	19 31 13	21°13'06	24°45	12°R42	28°26	10°37	2°44	16°43	0°23	6°55	13°28	10°41	11°38	9°15	n.a.	S 21
M22	19 35 9	22°10'57	6♓54	12°40	28°48	11°14	2°41	16°50	0°24	6°54	13°29	10°42	11°35	9°22	n.a.	M22
T 23	19 39 6	23° 8'50	19°16	12°31	29° 9	11°51	2°38	16°57	0°25	6°54	13°31	10°43	11°32	9°28	n.a.	T 23
W24	19 43 2	24° 6'45	1♈53	12°17	29°28	12°29	2°36	17° 4	0°26	6°54	13°33	10°45	11°29	9°35	n.a.	W24
T 25	19 46 59	25° 4'42	14°48	11°57	29°45	13° 7	2°34	17°11	0°27	6°54	13°35	10°46	11°25	9°42	n.a.	T 25
F 26	19 50 55	26° 2'40	28° 5	11°30	29°59	13°45	2°32	17°18	0°28	6°D54	13°36	10°R46	11°22	9°48	n.a.	F 26
S 27	19 54 52	27° 0'41	11♉45	10°58	0♍13	14°23	2°30	17°25	0°29	6°54	13°38	10°45	11°19	9°55	n.a.	S 27
S 28	19 58 48	27°58'44	25°50	10°21	0°24	15° 1	2°28	17°32	0°30	6°54	13°40	10°44	11°16	10° 2	n.a.	S 28
M29	20 2 45	28°56'48	10♊19	9°38	0°33	15°40	2°27	17°39	0°30	6°54	13°42	10°43	11°13	10° 8	n.a.	M29
T 30	20 6 42	29°54'55	25° 7	8°50	0°40	16°18	2°26	17°46	0°31	6°55	13°44	10°42	11°10	10°15	n.a.	T 30
W31	20 10 38	0♌53'04	10♋ 9	7♌58	0♍44	16♎57	2♐25	17♌53	0♉32	6♏55	13♍45	10♌41	11♌ 6	10♉22	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23n44	15n59	4s51	20n42	0s 1	15n47	0s25	0s 1	0s32	21s 6	0n11	18n21	1n45	11n10	0s26	12s18	1n52	22n25	17n 4	17n37	17n13	20s34			n.a.
T 2	23 43	18 51	4 14	20 17	0 11	15 26	0 33	0 16	0 33	21 5	0 10	18 19	1 45	11 11	0 26	12 18	1 51	22 24	17 4	17 38	17 14	20 34			n.a.
W 3	23 42	20 27	3 18	19 52	0 21	15 4	0 41	0 31	0 35	21 4	0 10	18 17	1 45	11 11	0 26	12 17	1 51	22 23	17 3	17 40	17 15	20 34			n.a.
T 4	23 40	20 33	2 8	19 27	0 32	14 43	0 49	0 45	0 36	21 3	0 10	18 16	1 45	11 12	0 26	12 17	1 51	22 22	17 3	17 41	17 16	20 35			n.a.
F 5	23 37	19 10	0 49	19 2	0 42	14 21	0 57	1 0	0 37	21 2	0 10	18 14	1 45	11 13	0 26	12 17	1 51	22 21	17 2	17 41	17 17	20 35			n.a.
S 6	23 35	16 30	0n32	18 37	0 53	13 59	1 6	1 15	0 38	21 1	0 10	18 12	1 45	11 13	0 26	12 17	1 51	22 20	17 2	17 41	17 18	20 36			n.a.
S 7	23 31	12 52	1 48	18 12	1 4	13 37	1 14	1 30	0 39	21 0	0 10	18 10	1 45	11 14	0 26	12 17	1 51	22 19	17 1	17 41	17 19	20 36			n.a.
M 8	23 28	8 37	2 56	17 48	1 15	13 16	1 23	1 45	0 40	20 59	0 9	18 8	1 45	11 15	0 26	12 17	1 51	22 18	17 1	17 41	17 20	20 36			n.a.
T 9	23 24	4 3	3 52	17 23	1 26	12 54	1 32	2 0	0 42	20 59	0 9	18 6	1 44	11 15	0 26	12 16	1 51	22 17	17 0	17 40	17 20	20 37			n.a.
W10	23 19	0s33	4 34	16 59	1 38	12 32	1 42	2 15	0 43	20 58	0 9	18 4	1 44	11 16	0 26	12 16	1 51	22 16	17 0	17 40	17 21	20 37			n.a.
T 11	23 14	5 1	5 1	16 36	1 49	12 11	1 51	2 30	0 44	20 57	0 9	18 2	1 44	11 16	0 26	12 16	1 51	22 15	16 59	17 40	17 22	20 37			n.a.
F 12	23 9	9 9	5 13	16 13	2 1	11 50	2 1	2 45	0 45	20 56	0 9	18 0	1 44	11 17	0 26	12 16	1 51	22 14	16 59	17 41	17 23	20 38			n.a.
S 13	23 3	12 50	5 10	15 51	2 12	11 28	2 11	3 1	0 46	20 56	0 9	17 58	1 44	11 17	0 26	12 16	1 51	22 13	16 58	17 42	17 24	20 38			n.a.
S 14	22 57	15 56	4 54	15 30	2 24	11 7	2 21	3 16	0 47	20 55	0 8	17 56	1 44	11 18	0 26	12 16	1 51	22 12	16 58	17 43	17 25	20 38			n.a.
M15	22 51	18 20	4 25	15 10	2 36	10 47	2 31	3 31	0 48	20 55	0 8	17 54	1 44	11 18	0 26	12 16	1 51	22 11	16 57	17 44	17 26	20 38			n.a.
T 16	22 44	19 56	3 44	14 52	2 47	10 26	2 41	3 47	0 49	20 54	0 8	17 52	1 44	11 19	0 26	12 16	1 51	22 10	16 57	17 45	17 27	20 39			n.a.
W17	22 37	20 39	2 54	14 34	2 58	10 6	2 52	4 2	0 50	20 53	0 8	17 50	1 44	11 19	0 26	12 16	1 51	22 9	16 57	17 46	17 28	20 39			n.a.
T 18	22 29	20 28	1 57	14 19	3 9	9 46	3 3	4 18	0 51	20 53	0 8	17 47	1 44	11 20	0 26	12 16	1 50	22 8	16 56	17 47	17 29	20 39			n.a.
F 19	22 21	19 21	0 54	14 4	3 20	9 26	3 14	4 33	0 52	20 52	0 8	17 45	1 44	11 20	0 26	12 16	1 50	22 7	16 56	17 47	17 29	20 40			n.a.
S 20	22 12	17 24	0s11	13 52	3 30	9 6	3 25	4 49	0 53	20 52	0 7	17 43	1 44	11 21	0 26	12 16	1 50	22 6	16 55	17 47	17 30	20 40			n.a.
S 21	22 3	14 39	1 17	13 42	3 40	8 47	3 37	5 5	0 54	20 52	0 7	17 41	1 44	11 21	0 26	12 16	1 50	22 5	16 55	17 47	17 31	20 40			n.a.
M22	21 54	11 15	2 20	13 34	3 50	8 29	3 48	5 20	0 55	20 51	0 7	17 39	1 44	11 21	0 26	12 16	1 50	22 4	16 54	17 47	17 32	20 41			n.a.
T 23	21 44	7 19	3 18	13 28	3 58	8 11	4 0	5 36	0 56	20 51	0 7	17 37	1 44	11 22	0 26	12 16	1 50	22 3	16 54	17 46	17 33	20 41			n.a.
W24	21 34	3 1	4 7	13 24	4 6	7 53	4 12	5 52	0 57	20 51	0 7	17 35	1 44	11 22	0 26	12 16	1 50	22 2	16 54	17 46	17 34	20 41			n.a.
T 25	21 24	1n32	4 45	13 24	4 13	7 36	4 24	6 7	0 57	20 50	0 7	17 32	1 44	11 22	0 26	12 16	1 50	22 1	16 53	17 46	17 35	20 41			n.a.
F 26	21 13	6 7	5 9	13 25	4 18	7 19	4 36	6 23	0 58	20 50	0 6	17 30	1 44	11 23	0 26	12 16	1 50	22 0	16 53	17 46	17 36	20 42			n.a.
S 27	21 2	10 32	5 17	13 30	4 22	7 4	4 48	6 39	0 59	20 50	0 6	17 28	1 44	11 23	0 26	12 16	1 50	21 59	16 52	17 46	17 37	20 42			n.a.
S 28	20 50	14 31	5 6	13 38	4 25	6 48	5 0	6 55	1 0	20 50	0 6	17 26	1 44	11 23	0 26	12 16	1 50	21 58	16 52	17 46	17 37	20 42			n.a.
M29	20 38	17 44	4 36	13 48	4 26	6 34	5 12	7 11	1 1	20 50	0 6	17 24	1 44	11 23	0 26	12 16	1 50	21 57	16 52	17 47	17 38	20 42			n.a.
T 30	20 26	19 53	3 47	14 1	4 26	6 20	5 24	7 26	1 2	20 50	0 6	17 21	1 44	11 24	0 26	12 16	1 50	21 56	16 51	17 47	17 39	20 43			n.a.
W31	20n13	20n41	2s41	14n16	4s24	6n 7	5s37	7s42	1s 3	20s49	0n 6	17n19	1n44	11n24	0s26	12s17	1n50	21n54	16n51	17n47	17n40	20s43			n.a.

Julian Day Number = 1540440.5, Delta T = 04h38m05s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'58, Lahiri = -10°47'58 Julian Calendar 1 July 496 BCE == Greg. Calendar 26 June 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

AUGUST 496 BCE (-495) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 14 35	1♌51'15	25♋16	7°R 3	0♍47	17♎36	2°R24	18♌ 0	0♉32	6♏55	13♍47	10°R40	11♌ 3	10♉28	n.a.	T 1
F 2	20 18 31	2°49'28	10♌19	6♌ 6	0°R47	18°15	2♐23	18° 8	0°33	6°55	13°49	10°D40	11° 0	10°35	n.a.	F 2
S 3	20 22 28	3°47'43	25°10	5° 8	0°45	18°54	2°23	18°15	0°33	6°55	13°51	10♌40	10°57	10°42	n.a.	S 3
S 4	20 26 24	4°45'59	9♍41	4° 9	0°40	19°33	2°22	18°22	0°34	6°56	13°53	10°40	10°54	10°48	n.a.	S 4
M 5	20 30 21	5°44'17	23°48	3°13	0°33	20°13	2°D22	18°29	0°34	6°56	13°55	10°41	10°51	10°55	n.a.	M 5
T 6	20 34 17	6°42'36	7♎29	2°18	0°24	20°52	2°22	18°37	0°34	6°56	13°57	10°41	10°47	11° 2	n.a.	T 6
W 7	20 38 14	7°40'57	20°43	1°28	0°12	21°32	2°23	18°44	0°35	6°57	13°59	10°42	10°44	11° 8	n.a.	W 7
T 8	20 42 11	8°39'20	3♏33	0°43	29♌58	22°12	2°23	18°51	0°35	6°57	14° 1	10°42	10°41	11°15	n.a.	T 8
F 9	20 46 7	9°37'45	16° 3	0° 5	29°42	22°52	2°24	18°58	0°35	6°58	14° 3	10°R42	10°38	11°22	n.a.	F 9
S 10	20 50 4	10°36'11	28°17	29♋33	29°23	23°32	2°25	19° 6	0°35	6°58	14° 5	10°D42	10°35	11°28	n.a.	S 10
S 11	20 54 0	11°34'40	10♐18	29°10	29° 2	24°13	2°26	19°13	0°35	6°59	14° 7	10°42	10°31	11°35	n.a.	S 11
M12	20 57 57	12°33'10	22°12	28°56	28°39	24°53	2°27	19°20	0°R35	6°59	14° 9	10°42	10°28	11°42	n.a.	M12
T 13	21 1 53	13°31'41	4♑ 1	28°D50	28°13	25°34	2°29	19°28	0°35	7° 0	14°11	10°42	10°25	11°48	n.a.	T 13
W14	21 5 50	14°30'15	15°50	28°54	27°46	26°14	2°30	19°35	0°35	7° 0	14°14	10°42	10°22	11°55	n.a.	W14
T 15	21 9 46	15°28'51	27°42	29° 8	27°17	26°55	2°32	19°43	0°35	7° 1	14°16	10°43	10°19	12° 2	n.a.	T 15
F 16	21 13 43	16°27'28	9♒39	29°30	26°46	27°36	2°34	19°50	0°35	7° 2	14°18	10°R43	10°16	12° 8	n.a.	F 16
S 17	21 17 40	17°26'08	21°43	0♌ 2	26°14	28°17	2°36	19°57	0°35	7° 2	14°20	10°43	10°12	12°15	n.a.	S 17
S 18	21 21 36	18°24'49	3♓56	0°43	25°41	28°58	2°39	20° 5	0°35	7° 3	14°22	10°42	10° 9	12°22	n.a.	S 18
M19	21 25 33	19°23'33	16°20	1°32	25° 6	29°39	2°41	20°12	0°34	7° 4	14°24	10°41	10° 6	12°28	n.a.	M19
T 20	21 29 29	20°22'19	28°56	2°29	24°30	0♏21	2°44	20°19	0°34	7° 5	14°27	10°40	10° 3	12°35	n.a.	T 20
W21	21 33 26	21°21'07	11♈46	3°34	23°54	1° 2	2°47	20°27	0°34	7° 6	14°29	10°39	10° 0	12°41	n.a.	W21
T 22	21 37 22	22°19'57	24°50	4°45	23°18	1°44	2°50	20°34	0°33	7° 7	14°31	10°37	9°57	12°48	n.a.	T 22
F 23	21 41 19	23°18'50	8♉11	6° 2	22°41	2°26	2°53	20°42	0°33	7° 7	14°33	10°37	9°53	12°55	n.a.	F 23
S 24	21 45 15	24°17'46	21°48	7°25	22° 4	3° 7	2°57	20°49	0°32	7° 8	14°36	10°D36	9°50	13° 1	n.a.	S 24
S 25	21 49 12	25°16'44	5♊44	8°52	21°28	3°49	3° 0	20°56	0°31	7° 9	14°38	10°36	9°47	13° 8	n.a.	S 25
M26	21 53 8	26°15'44	19°56	10°23	20°52	4°31	3° 4	21° 4	0°31	7°10	14°40	10°37	9°44	13°15	n.a.	M26
T 27	21 57 5	27°14'47	4♋24	11°58	20°17	5°14	3° 8	21°11	0°30	7°11	14°43	10°38	9°41	13°21	n.a.	T 27
W28	22 1 2	28°13'52	19° 4	13°36	19°43	5°56	3°13	21°18	0°29	7°12	14°45	10°39	9°37	13°28	n.a.	W28
T 29	22 4 58	29°13'00	3♌51	15°16	19°10	6°38	3°17	21°26	0°28	7°13	14°47	10°R40	9°34	13°35	n.a.	T 29
F 30	22 8 55	0♍12'10	18°38	16°58	18°39	7°21	3°21	21°33	0°28	7°15	14°50	10°40	9°31	13°41	n.a.	F 30
S 31	22 12 51	1♍11'22	3♍18	18♌42	18♌ 9	8♏ 3	3♐26	21♌40	0♉27	7♏16	14♍52	10♌39	9♌28	13♉48	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	20n 0	19n59	1s24	14n34	4s19	5n54	5s49	7s58	1s 3	20s49	0n 5	17n17	1n44	11n24	0s26	12s17	1n50	21n53	16n50	17n47	17n41	20s43			n.a.
F 2	19 47	17 51	0 2	14 55	4 13	5 43	6 1	8 14	1 4	20 49	0 5	17 15	1 44	11 24	0 26	12 17	1 49	21 52	16 50	17 47	17 42	20 43			n.a.
S 3	19 33	14 33	1n20	15 17	4 5	5 32	6 13	8 30	1 5	20 50	0 5	17 12	1 44	11 24	0 26	12 17	1 49	21 51	16 50	17 47	17 43	20 44			n.a.
S 4	19 19	10 25	2 34	15 40	3 55	5 23	6 25	8 46	1 6	20 50	0 5	17 10	1 44	11 25	0 26	12 17	1 49	21 50	16 49	17 47	17 44	20 44			n.a.
M 5	19 5	5 49	3 38	16 5	3 43	5 14	6 37	9 1	1 6	20 50	0 5	17 8	1 44	11 25	0 26	12 17	1 49	21 49	16 49	17 47	17 44	20 44			n.a.
T 6	18 50	1 4	4 26	16 31	3 29	5 6	6 49	9 17	1 7	20 50	0 5	17 6	1 44	11 25	0 26	12 17	1 49	21 48	16 49	17 47	17 45	20 44			n.a.
W 7	18 35	3s35	4 59	16 57	3 14	5 0	7 0	9 33	1 8	20 50	0 5	17 3	1 44	11 25	0 26	12 18	1 49	21 47	16 48	17 47	17 46	20 45			n.a.
T 8	18 20	7 55	5 15	17 22	2 57	4 54	7 12	9 49	1 9	20 50	0 4	17 1	1 44	11 25	0 26	12 18	1 49	21 46	16 48	17 47	17 47	20 45			n.a.
F 9	18 4	11 49	5 16	17 48	2 40	4 50	7 22	10 5	1 9	20 51	0 4	16 59	1 44	11 25	0 26	12 18	1 49	21 45	16 48	17 47	17 48	20 45			n.a.
S 10	17 48	15 7	5 3	18 12	2 22	4 46	7 33	10 20	1 10	20 51	0 4	16 57	1 44	11 25	0 26	12 18	1 49	21 44	16 48	17 47	17 49	20 45			n.a.
S 11	17 32	17 44	4 36	18 35	2 3	4 44	7 43	10 36	1 11	20 51	0 4	16 54	1 44	11 25	0 26	12 19	1 49	21 42	16 47	17 47	17 50	20 45			n.a.
M12	17 16	19 33	3 58	18 57	1 44	4 43	7 52	10 52	1 11	20 52	0 4	16 52	1 44	11 25	0 26	12 19	1 49	21 41	16 47	17 47	17 51	20 46			n.a.
T 13	16 59	20 31	3 10	19 16	1 25	4 44	8 1	11 7	1 12	20 52	0 4	16 50	1 44	11 25	0 26	12 19	1 49	21 40	16 47	17 47	17 51	20 46			n.a.
W14	16 42	20 35	2 14	19 34	1 6	4 45	8 9	11 23	1 13	20 53	0 3	16 47	1 45	11 25	0 26	12 19	1 49	21 39	16 46	17 47	17 52	20 46			n.a.
T 15	16 24	19 43	1 12	19 49	0 48	4 48	8 17	11 39	1 13	20 53	0 3	16 45	1 45	11 25	0 26	12 20	1 49	21 38	16 46	17 47	17 53	20 46			n.a.
F 16	16 7	17 58	0 6	20 2	0 30	4 51	8 24	11 54	1 14	20 54	0 3	16 43	1 45	11 25	0 26	12 20	1 49	21 37	16 46	17 47	17 54	20 46			n.a.
S 17	15 49	15 24	1s 1	20 11	0 14	4 56	8 30	12 10	1 14	20 54	0 3	16 40	1 45	11 25	0 26	12 20	1 48	21 36	16 46	17 47	17 55	20 46			n.a.
S 18	15 30	12 8	2 5	20 18	0n 2	5 3	8 35	12 25	1 15	20 55	0 3	16 38	1 45	11 25	0 26	12 20	1 48	21 35	16 45	17 47	17 56	20 47			n.a.
M19	15 12	8 18	3 5	20 22	0 17	5 10	8 40	12 40	1 16	20 56	0 3	16 36	1 45	11 25	0 26	12 21	1 48	21 34	16 45	17 47	17 57	20 47			n.a.
T 20	14 53	4 2	3 57	20 22	0 31	5 18	8 43	12 56	1 16	20 56	0 3	16 33	1 45	11 24	0 26	12 21	1 48	21 33	16 45	17 47	17 58	20 47			n.a.
W21	14 34	0n28	4 38	20 20	0 44	5 27	8 46	13 11	1 17	20 57	0 2	16 31	1 45	11 24	0 26	12 21	1 48	21 32	16 45	17 48	17 58	20 47			n.a.
T 22	14 15	5 1	5 5	20 14	0 56	5 38	8 48	13 26	1 17	20 58	0 2	16 29	1 45	11 24	0 26	12 22	1 48	21 31	16 45	17 48	17 59	20 47			n.a.
F 23	13 55	9 26	5 16	20 5	1 7	5 49	8 48	13 41	1 18	20 59	0 2	16 26	1 45	11 24	0 27	12 22	1 48	21 29	16 44	17 48	18 0	20 47			n.a.
S 24	13 36	13 27	5 11	19 53	1 16	6 0	8 48	13 56	1 18	20 59	0 2	16 24	1 45	11 24	0 27	12 23	1 48	21 28	16 44	17 48	18 1	20 48			n.a.
S 25	13 16	16 50	4 47	19 38	1 24	6 13	8 47	14 11	1 19	21 0	0 2	16 22	1 45	11 23	0 27	12 23	1 48	21 27	16 44	17 48	18 2	20 48			n.a.
M26	12 56	19 17	4 5	19 20	1 31	6 26	8 45	14 26	1 19	21 1	0 2	16 19	1 45	11 23	0 27	12 23	1 48	21 26	16 44	17 48	18 3	20 48			n.a.
T 27	12 35	20 33	3 7	18 59	1 37	6 40	8 42	14 41	1 20	21 2	0 2	16 17	1 45	11 23	0 27	12 24	1 48	21 25	16 44	17 48	18 4	20 48			n.a.
W28	12 15	20 27	1 57	18 36	1 42	6 54	8 38	14 56	1 20	21 3	0 1	16 15	1 45	11 23	0 27	12 24	1 48	21 24	16 44	17 48	18 4	20 48			n.a.
T 29	11 54	18 56	0 38	18 10	1 46	7 9	8 33	15 11	1 21	21 4	0 1	16 12	1 45	11 22	0 27	12 24	1 48	21 23	16 43	17 47	18 5	20 48			n.a.
F 30	11 33	16 8	0n44	17 41	1 49	7 24	8 27	15 25	1 21	21 5	0 1	16 10	1 46	11 22	0 27	12 25	1 48	21 22	16 43	17 47	18 6	20 48			n.a.
S 31	11n12	12n19	2n 2	17n11	1n52	7n39	8s21	15s40	1s22	21s 6	0n 1	16n 8	1n46	11n22	0s27	12s25	1n48	21n21	16n43	17n48	18n 7	20s48			n.a.

Julian Day Number = 1540471.5, Delta T = 04h38m03s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'54, Lahiri = -10°47'53 Julian Calendar 1 Aug. 496 BCE == Greg. Calendar 27 July 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

SEPTEMBER 496 BCE (-495) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 16 48	2♍10'36	17♍45	20♌27	17°R41	8♏46	3♐31	21♌48	0°R26	7♏17	14♍54	10°R37	9♌25	13♉55	n.a.	S 1
M 2	22 20 44	3° 9'52	1♎52	22°12	17♌15	9°29	3°36	21°55	0♉25	7°18	14°57	10♌34	9°22	14° 1	n.a.	M 2
T 3	22 24 41	4° 9'10	15°35	23°58	16°50	10°12	3°41	22° 2	0°24	7°19	14°59	10°30	9°18	14° 8	n.a.	T 3
W 4	22 28 37	5° 8'30	28°54	25°45	16°28	10°55	3°47	22° 9	0°22	7°21	15° 1	10°27	9°15	14°15	n.a.	W 4
T 5	22 32 34	6° 7'52	11♏49	27°32	16° 8	11°38	3°52	22°17	0°21	7°22	15° 4	10°24	9°12	14°21	n.a.	T 5
F 6	22 36 30	7° 7'16	24°22	29°18	15°51	12°21	3°58	22°24	0°20	7°23	15° 6	10°22	9° 9	14°28	n.a.	F 6
S 7	22 40 27	8° 6'42	6♐37	1♍ 5	15°35	13° 4	4° 4	22°31	0°19	7°25	15° 8	10°D21	9° 6	14°35	n.a.	S 7
S 8	22 44 24	9° 6'10	18°38	2°51	15°23	13°48	4°10	22°38	0°18	7°26	15°11	10°22	9° 2	14°41	n.a.	S 8
M 9	22 48 20	10° 5'40	0♉30	4°37	15°12	14°31	4°16	22°46	0°16	7°27	15°13	10°23	8°59	14°48	n.a.	M 9
T 10	22 52 17	11° 5'12	12°19	6°22	15° 4	15°15	4°23	22°53	0°15	7°29	15°16	10°25	8°56	14°55	n.a.	T 10
W11	22 56 13	12° 4'45	24° 9	8° 7	14°59	15°58	4°29	23° 0	0°14	7°30	15°18	10°27	8°53	15° 1	n.a.	W11
T 12	23 0 10	13° 4'21	6♒ 4	9°52	14°55	16°42	4°36	23° 7	0°12	7°32	15°20	10°R28	8°50	15° 8	n.a.	T 12
F 13	23 4 6	14° 3'58	18° 8	11°35	14°D55	17°26	4°43	23°14	0°11	7°33	15°23	10°27	8°47	15°15	n.a.	F 13
S 14	23 8 3	15° 3'38	0♓23	13°18	14°56	18° 9	4°50	23°21	0° 9	7°35	15°25	10°26	8°43	15°21	n.a.	S 14
S 15	23 11 59	16° 3'19	12°52	15° 1	15° 0	18°53	4°57	23°28	0° 7	7°36	15°28	10°22	8°40	15°28	n.a.	S 15
M16	23 15 56	17° 3'03	25°35	16°43	15° 7	19°37	5° 4	23°35	0° 6	7°38	15°30	10°17	8°37	15°35	n.a.	M16
T 17	23 19 53	18° 2'49	8♈32	18°24	15°15	20°22	5°12	23°42	0° 4	7°39	15°32	10°11	8°34	15°41	n.a.	T 17
W18	23 23 49	19° 2'37	21°43	20° 5	15°26	21° 6	5°19	23°49	0° 2	7°41	15°35	10° 4	8°31	15°48	n.a.	W18
T 19	23 27 46	20° 2'27	5♉ 7	21°45	15°39	21°50	5°27	23°56	0° 1	7°43	15°37	9°58	8°28	15°55	n.a.	T 19
F 20	23 31 42	21° 2'19	18°43	23°24	15°54	22°34	5°35	24° 3	29♈59	7°44	15°39	9°52	8°24	16° 1	n.a.	F 20
S 21	23 35 39	22° 2'14	2♊29	25° 3	16°11	23°19	5°43	24° 9	29°57	7°46	15°42	9°49	8°21	16° 8	n.a.	S 21
S 22	23 39 35	23° 2'11	16°24	26°41	16°30	24° 3	5°51	24°16	29°55	7°48	15°44	9°47	8°18	16°15	n.a.	S 22
M23	23 43 32	24° 2'11	0♋27	28°19	16°51	24°48	5°59	24°23	29°53	7°50	15°47	9°D47	8°15	16°21	n.a.	M23
T 24	23 47 28	25° 2'13	14°38	29°56	17°14	25°32	6° 8	24°30	29°51	7°51	15°49	9°48	8°12	16°28	n.a.	T 24
W25	23 51 25	26° 2'17	28°55	1♎33	17°39	26°17	6°16	24°36	29°50	7°53	15°51	9°49	8° 8	16°35	n.a.	W25
T 26	23 55 22	27° 2'24	13♌15	3° 9	18° 5	27° 2	6°25	24°43	29°48	7°55	15°54	9°R49	8° 5	16°41	n.a.	T 26
F 27	23 59 18	28° 2'32	27°36	4°44	18°34	27°46	6°34	24°50	29°46	7°57	15°56	9°48	8° 2	16°48	n.a.	F 27
S 28	0 3 15	29° 2'43	11♍53	6°19	19° 3	28°31	6°43	24°56	29°43	7°59	15°58	9°44	7°59	16°54	n.a.	S 28
S 29	0 7 11	0♎ 2'56	26° 1	7°54	19°35	29°16	6°52	25° 3	29°41	8° 0	16° 1	9°38	7°56	17° 1	n.a.	S 29
M30	0 11 8	1♎ 3'10	9♎56	9♎28	20♌ 7	0♐ 1	7♐ 1	25♌ 9	29♈39	8♏ 2	16♍ 3	9♌30	7♌53	17♉ 8	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n50	7n49	3n11	16n39	1n53	7n54	8s14	15s54	1s22	21s 7	0n 1	16n 5	1n46	11n21	0s27	12s26	1n48	21n20	16n43	17n48	18n 8	20s48		n.a.
M 2	10 29	3 0	4 6	16 5	1 54	8 9	8 6	16 8	1 22	21 8	0 1	16 3	1 46	11 21	0 27	12 26	1 48	21 19	16 43	17 49	18 9	20 49		n.a.
T 3	10 7	1s50	4 45	15 29	1 53	8 24	7 57	16 23	1 23	21 9	0 1	16 1	1 46	11 21	0 27	12 27	1 47	21 18	16 43	17 50	18 10	20 49		n.a.
W 4	9 45	6 26	5 8	14 52	1 53	8 40	7 48	16 37	1 23	21 11	0 1	15 58	1 46	11 20	0 27	12 27	1 47	21 17	16 43	17 51	18 10	20 49		n.a.
T 5	9 23	10 36	5 14	14 14	1 51	8 54	7 39	16 51	1 24	21 12	0 0	15 56	1 46	11 20	0 27	12 28	1 47	21 16	16 43	17 52	18 11	20 49		n.a.
F 6	9 1	14 11	5 5	13 34	1 49	9 9	7 29	17 5	1 24	21 13	0 0	15 54	1 46	11 19	0 27	12 28	1 47	21 15	16 43	17 52	18 12	20 49		n.a.
S 7	8 38	17 4	4 42	12 54	1 47	9 24	7 18	17 18	1 24	21 14	0 0	15 52	1 46	11 19	0 27	12 29	1 47	21 14	16 43	17 53	18 13	20 49		n.a.
S 8	8 16	19 9	4 7	12 12	1 44	9 38	7 7	17 32	1 25	21 15	0s 0	15 49	1 46	11 18	0 27	12 29	1 47	21 13	16 43	17 52	18 14	20 49		n.a.
M 9	7 53	20 23	3 22	11 30	1 41	9 51	6 56	17 45	1 25	21 17	0 0	15 47	1 46	11 18	0 27	12 30	1 47	21 12	16 43	17 52	18 15	20 49		n.a.
T 10	7 30	20 43	2 28	10 47	1 37	10 5	6 45	17 59	1 25	21 18	0 0	15 45	1 47	11 17	0 27	12 30	1 47	21 11	16 42	17 52	18 16	20 49		n.a.
W11	7 7	20 7	1 28	10 4	1 33	10 17	6 33	18 12	1 26	21 19	0 0	15 42	1 47	11 17	0 27	12 31	1 47	21 10	16 42	17 51	18 16	20 49		n.a.
T 12	6 44	18 37	0 24	9 20	1 28	10 30	6 21	18 25	1 26	21 21	0 1	15 40	1 47	11 16	0 27	12 31	1 47	21 9	16 42	17 51	18 17	20 49		n.a.
F 13	6 21	16 16	0s42	8 36	1 24	10 41	6 9	18 38	1 26	21 22	0 1	15 38	1 47	11 16	0 27	12 32	1 47	21 8	16 42	17 51	18 18	20 49		n.a.
S 14	5 58	13 9	1 47	7 51	1 19	10 53	5 57	18 51	1 27	21 24	0 1	15 36	1 47	11 15	0 27	12 32	1 47	21 7	16 42	17 51	18 19	20 49		n.a.
S 15	5 34	9 23	2 48	7 6	1 13	11 3	5 45	19 3	1 27	21 25	0 1	15 33	1 47	11 15	0 27	12 33	1 47	21 6	16 42	17 52	18 20	20 50		n.a.
M16	5 11	5 9	3 41	6 21	1 8	11 13	5 33	19 16	1 27	21 26	0 1	15 31	1 47	11 14	0 27	12 33	1 47	21 5	16 42	17 54	18 21	20 50		n.a.
T 17	4 47	0 37	4 24	5 36	1 2	11 22	5 21	19 28	1 27	21 28	0 1	15 29	1 47	11 14	0 27	12 34	1 47	21 4	16 42	17 55	18 21	20 50		n.a.
W18	4 23	4n 2	4 54	4 50	0 56	11 31	5 8	19 40	1 28	21 29	0 1	15 27	1 47	11 13	0 27	12 35	1 47	21 3	16 43	17 57	18 22	20 50		n.a.
T 19	4 0	8 33	5 9	4 5	0 50	11 39	4 56	19 52	1 28	21 31	0 1	15 24	1 48	11 12	0 27	12 35	1 47	21 2	16 43	17 59	18 23	20 50		n.a.
F 20	3 36	12 43	5 6	3 20	0 44	11 46	4 44	20 4	1 28	21 32	0 1	15 22	1 48	11 12	0 27	12 36	1 47	21 1	16 43	18 0	18 24	20 50		n.a.
S 21	3 12	16 15	4 46	2 34	0 38	11 52	4 32	20 16	1 28	21 34	0 2	15 20	1 48	11 11	0 27	12 36	1 46	21 0	16 43	18 1	18 25	20 50		n.a.
S 22	2 48	18 55	4 9	1 49	0 32	11 58	4 20	20 27	1 28	21 36	0 2	15 18	1 48	11 10	0 27	12 37	1 46	21 0	16 43	18 2	18 26	20 50		n.a.
M23	2 24	20 28	3 17	1 4	0 25	12 3	4 8	20 39	1 29	21 37	0 2	15 16	1 48	11 10	0 27	12 38	1 46	20 59	16 43	18 2	18 27	20 50		n.a.
T 24	2 0	20 45	2 12	0 19	0 19	12 7	3 56	20 50	1 29	21 39	0 2	15 14	1 48	11 9	0 27	12 38	1 46	20 58	16 43	18 2	18 27	20 50		n.a.
W25	1 36	19 41	0 59	0s26	0 12	12 11	3 45	21 1	1 29	21 40	0 2	15 12	1 48	11 8	0 27	12 39	1 46	20 57	16 43	18 1	18 28	20 50		n.a.
T 26	1 12	17 21	0n19	1 11	0 6	12 14	3 33	21 12	1 29	21 42	0 2	15 9	1 49	11 8	0 27	12 39	1 46	20 56	16 43	18 1	18 29	20 50		n.a.
F 27	0 47	13 56	1 35	1 55	0s 1	12 16	3 22	21 22	1 29	21 44	0 2	15 7	1 49	11 7	0 27	12 40	1 46	20 55	16 43	18 2	18 30	20 50		n.a.
S 28	0 23	9 43	2 44	2 40	0 8	12 17	3 11	21 33	1 29	21 45	0 2	15 5	1 49	11 6	0 27	12 41	1 46	20 54	16 43	18 3	18 31	20 50		n.a.
S 29	0s 1	5 0	3 43	3 24	0 14	12 18	3 0	21 43	1 29	21 47	0 3	15 3	1 49	11 5	0 27	12 41	1 46	20 54	16 44	18 4	18 32	20 50		n.a.
M30	0s25	0n 6	4n27	4s 7	0s21	12n18	2s49	21s53	1s30	21s49	0s 3	15n 1	1n49	11n 5	0s27	12s42	1n46	20n53	16n44	18n 6	18n32	20s50		n.a.

Julian Day Number = 1540502.5, Delta T = 04h38m02s
Ecliptic obliquity = 23°45'13, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'50, Lahiri = -10°47'49 Julian Calendar 1 Sept. 496 BCE == Greg. Calendar 27 Aug. 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

OCTOBER 496 BCE (-495) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 15 4	2♎ 3'27	23♎32	11♎ 2	20♌42	0♐46	7♐11	25♌16	29°R37	8♏ 4	16♍ 5	9°R21	7♌49	17♉14	n.a.	T 1
W 2	0 19 1	3° 3'45	6♏48	12°35	21°17	1°31	7°20	25°22	29♈35	8° 6	16° 8	9♌11	7°46	17°21	n.a.	W 2
T 3	0 22 57	4° 4'05	19°42	14° 8	21°54	2°17	7°30	25°28	29°33	8° 8	16°10	9° 3	7°43	17°28	n.a.	T 3
F 4	0 26 54	5° 4'27	2♐16	15°41	22°33	3° 2	7°39	25°35	29°31	8°10	16°12	8°56	7°40	17°34	n.a.	F 4
S 5	0 30 50	6° 4'51	14°31	17°13	23°12	3°47	7°49	25°41	29°28	8°12	16°15	8°51	7°37	17°41	n.a.	S 5
S 6	0 34 47	7° 5'16	26°33	18°44	23°53	4°32	7°59	25°47	29°26	8°14	16°17	8°48	7°34	17°48	n.a.	S 6
M 7	0 38 44	8° 5'42	8♑25	20°16	24°35	5°18	8° 9	25°53	29°24	8°16	16°19	8°D47	7°30	17°54	n.a.	M 7
T 8	0 42 40	9° 6'10	20°14	21°47	25°18	6° 3	8°19	25°59	29°21	8°18	16°22	8°48	7°27	18° 1	n.a.	T 8
W 9	0 46 37	10° 6'40	2♒ 4	23°17	26° 2	6°49	8°30	26° 5	29°19	8°20	16°24	8°49	7°24	18° 8	n.a.	W 9
T 10	0 50 33	11° 7'11	14° 0	24°47	26°47	7°34	8°40	26°11	29°17	8°22	16°26	8°R49	7°21	18°14	n.a.	T 10
F 11	0 54 30	12° 7'43	26° 8	26°17	27°33	8°20	8°50	26°17	29°14	8°24	16°28	8°47	7°18	18°21	n.a.	F 11
S 12	0 58 26	13° 8'17	8♓32	27°46	28°20	9° 6	9° 1	26°23	29°12	8°26	16°30	8°43	7°14	18°28	n.a.	S 12
S 13	1 2 23	14° 8'52	21°14	29°15	29° 7	9°51	9°12	26°29	29°10	8°28	16°33	8°37	7°11	18°34	n.a.	S 13
M14	1 6 19	15° 9'29	4♈15	0♏44	29°56	10°37	9°23	26°34	29° 7	8°30	16°35	8°27	7° 8	18°41	n.a.	M14
T 15	1 10 16	16°10'07	17°35	2°12	0♍46	11°23	9°33	26°40	29° 5	8°33	16°37	8°16	7° 5	18°48	n.a.	T 15
W16	1 14 13	17°10'47	1♉13	3°39	1°36	12° 9	9°44	26°45	29° 2	8°35	16°39	8° 5	7° 2	18°54	n.a.	W16
T 17	1 18 9	18°11'29	15° 4	5° 6	2°28	12°54	9°56	26°51	29° 0	8°37	16°41	7°53	6°59	19° 1	n.a.	T 17
F 18	1 22 6	19°12'12	29° 4	6°33	3°20	13°40	10° 7	26°56	28°57	8°39	16°43	7°43	6°55	19° 8	n.a.	F 18
S 19	1 26 2	20°12'57	13♊10	7°59	4°13	14°26	10°18	27° 2	28°55	8°41	16°45	7°36	6°52	19°14	n.a.	S 19
S 20	1 29 59	21°13'44	27°18	9°24	5° 6	15°12	10°29	27° 7	28°52	8°43	16°47	7°31	6°49	19°21	n.a.	S 20
M21	1 33 55	22°14'32	11♋26	10°48	6° 0	15°58	10°41	27°12	28°50	8°45	16°50	7°29	6°46	19°28	n.a.	M21
T 22	1 37 52	23°15'23	25°32	12°11	6°55	16°44	10°52	27°18	28°47	8°48	16°52	7°D29	6°43	19°34	n.a.	T 22
W23	1 41 48	24°16'14	9♌35	13°34	7°51	17°30	11° 4	27°23	28°45	8°50	16°54	7°R29	6°39	19°41	n.a.	W23
T 24	1 45 45	25°17'08	23°34	14°55	8°47	18°16	11°16	27°28	28°42	8°52	16°56	7°28	6°36	19°47	n.a.	T 24
F 25	1 49 42	26°18'03	7♍30	16°14	9°44	19° 2	11°28	27°33	28°40	8°54	16°58	7°25	6°33	19°54	n.a.	F 25
S 26	1 53 38	27°18'59	21°19	17°33	10°41	19°49	11°40	27°37	28°37	8°57	17° 0	7°19	6°30	20° 1	n.a.	S 26
S 27	1 57 35	28°19'57	5♎ 1	18°49	11°39	20°35	11°51	27°42	28°35	8°59	17° 1	7°10	6°27	20° 7	n.a.	S 27
M28	2 1 31	29°20'56	18°33	20° 4	12°37	21°21	12° 4	27°47	28°32	9° 1	17° 3	6°59	6°24	20°14	n.a.	M28
T 29	2 5 28	0♏21'57	1♏51	21°16	13°36	22° 7	12°16	27°52	28°30	9° 3	17° 5	6°46	6°20	20°21	n.a.	T 29
W30	2 9 24	1°22'58	14°53	22°26	14°36	22°54	12°28	27°56	28°27	9° 5	17° 7	6°32	6°17	20°27	n.a.	W30
T 31	2 13 21	2♏24'01	27♏39	23♏32	15♍36	23♐40	12♐40	28♌ 1	28♈25	9♏ 8	17♍ 9	6♌19	6♌14	20♉34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	0s50	4s42	4n55	4s51	0s28	12n17	2s38	22s 2	1s30	21s50	0s 3	14n59	1n49	11n 4	0s27	12s43	1n46	20n52	16n44	18n 9	18n33	20s50			n.a.
W 2	1 14	9 9	5 6	5 34	0 34	12 16	2 27	22 12	1 30	21 52	0 3	14 57	1 50	11 3	0 27	12 43	1 46	20 51	16 44	18 11	18 34	20 50			n.a.
T 3	1 38	13 4	5 1	6 16	0 41	12 14	2 17	22 21	1 30	21 54	0 3	14 55	1 50	11 2	0 27	12 44	1 46	20 51	16 44	18 14	18 35	20 50			n.a.
F 4	2 2	16 17	4 41	6 58	0 47	12 11	2 7	22 30	1 30	21 55	0 3	14 53	1 50	11 2	0 27	12 45	1 46	20 50	16 44	18 16	18 36	20 50			n.a.
S 5	2 27	18 43	4 9	7 40	0 54	12 7	1 57	22 39	1 30	21 57	0 3	14 51	1 50	11 1	0 27	12 45	1 46	20 49	16 45	18 17	18 36	20 49			n.a.
S 6	2 51	20 16	3 27	8 21	1 0	12 3	1 47	22 48	1 30	21 59	0 3	14 49	1 50	11 0	0 27	12 46	1 46	20 48	16 45	18 18	18 37	20 49			n.a.
M 7	3 15	20 54	2 35	9 2	1 6	11 58	1 38	22 56	1 30	22 1	0 3	14 47	1 50	10 59	0 27	12 47	1 46	20 48	16 45	18 18	18 38	20 49			n.a.
T 8	3 39	20 36	1 38	9 43	1 12	11 52	1 28	23 5	1 30	22 2	0 4	14 45	1 51	10 58	0 27	12 47	1 46	20 47	16 45	18 18	18 39	20 49			n.a.
W 9	4 3	19 22	0 36	10 22	1 18	11 46	1 19	23 13	1 30	22 4	0 4	14 43	1 51	10 57	0 27	12 48	1 46	20 46	16 45	18 18	18 40	20 49			n.a.
T 10	4 27	17 17	0s28	11 2	1 24	11 39	1 10	23 20	1 30	22 6	0 4	14 41	1 51	10 57	0 27	12 49	1 46	20 45	16 46	18 18	18 41	20 49			n.a.
F 11	4 51	14 24	1 31	11 40	1 30	11 32	1 1	23 28	1 30	22 8	0 4	14 40	1 51	10 56	0 27	12 49	1 46	20 45	16 46	18 18	18 41	20 49			n.a.
S 12	5 15	10 49	2 32	12 18	1 36	11 23	0 53	23 35	1 30	22 9	0 4	14 38	1 51	10 55	0 27	12 50	1 46	20 44	16 46	18 19	18 42	20 49			n.a.
S 13	5 39	6 40	3 26	12 56	1 41	11 14	0 44	23 42	1 30	22 11	0 4	14 36	1 51	10 54	0 27	12 51	1 46	20 44	16 46	18 21	18 43	20 49			n.a.
M14	6 3	2 7	4 11	13 32	1 46	11 5	0 36	23 49	1 30	22 13	0 4	14 34	1 52	10 53	0 27	12 52	1 46	20 43	16 47	18 23	18 44	20 49			n.a.
T 15	6 26	2n38	4 43	14 8	1 52	10 55	0 28	23 55	1 30	22 15	0 4	14 32	1 52	10 52	0 27	12 52	1 46	20 42	16 47	18 26	18 45	20 49			n.a.
W16	6 50	7 22	5 0	14 43	1 56	10 44	0 20	24 2	1 30	22 17	0 4	14 31	1 52	10 51	0 27	12 53	1 46	20 42	16 47	18 29	18 45	20 49			n.a.
T 17	7 13	11 47	5 0	15 17	2 1	10 32	0 13	24 8	1 30	22 18	0 5	14 29	1 52	10 51	0 27	12 54	1 46	20 41	16 48	18 32	18 46	20 49			n.a.
F 18	7 37	15 38	4 42	15 51	2 5	10 20	0 5	24 13	1 30	22 20	0 5	14 27	1 52	10 50	0 27	12 54	1 46	20 41	16 48	18 35	18 47	20 49			n.a.
S 19	8 0	18 36	4 6	16 23	2 9	10 8	0n 2	24 19	1 30	22 22	0 5	14 25	1 53	10 49	0 27	12 55	1 46	20 40	16 48	18 37	18 48	20 48			n.a.
S 20	8 23	20 28	3 16	16 55	2 13	9 54	0 9	24 24	1 30	22 24	0 5	14 24	1 53	10 48	0 27	12 56	1 45	20 39	16 48	18 38	18 49	20 48			n.a.
M21	8 46	21 2	2 13	17 25	2 16	9 41	0 16	24 29	1 29	22 25	0 5	14 22	1 53	10 47	0 27	12 57	1 45	20 39	16 49	18 38	18 50	20 48			n.a.
T 22	9 9	20 17	1 3	17 54	2 20	9 26	0 23	24 34	1 29	22 27	0 5	14 20	1 53	10 46	0 27	12 57	1 45	20 38	16 49	18 39	18 50	20 48			n.a.
W23	9 32	18 16	0n11	18 22	2 22	9 12	0 30	24 38	1 29	22 29	0 5	14 19	1 54	10 45	0 27	12 58	1 45	20 38	16 49	18 38	18 51	20 48			n.a.
T 24	9 54	15 10	1 24	18 49	2 24	8 56	0 36	24 42	1 29	22 31	0 5	14 17	1 54	10 44	0 27	12 59	1 45	20 37	16 50	18 39	18 52	20 48			n.a.
F 25	10 17	11 13	2 32	19 15	2 26	8 40	0 42	24 46	1 29	22 32	0 5	14 16	1 54	10 43	0 27	12 59	1 45	20 37	16 50	18 39	18 53	20 48			n.a.
S 26	10 39	6 41	3 30	19 39	2 27	8 24	0 48	24 50	1 29	22 34	0 5	14 14	1 54	10 43	0 27	13 0	1 45	20 36	16 51	18 41	18 54	20 48			n.a.
S 27	11 1	1 52	4 15	20 1	2 28	8 7	0 54	24 53	1 29	22 36	0 6	14 13	1 54	10 42	0 27	13 1	1 45	20 36	16 51	18 43	18 54	20 47			n.a.
M28	11 23	2s58	4 45	20 22	2 28	7 49	0 59	24 56	1 28	22 38	0 6	14 11	1 55	10 41	0 27	13 2	1 45	20 36	16 51	18 46	18 55	20 47			n.a.
T 29	11 45	7 36	4 59	20 41	2 28	7 31	1 5	24 59	1 28	22 39	0 6	14 10	1 55	10 40	0 27	13 2	1 45	20 35	16 52	18 50	18 56	20 47			n.a.
W30	12 6	11 47	4 57	20 59	2 27	7 13	1 10	25 2	1 28	22 41	0 6	14 9	1 55	10 39	0 27	13 3	1 45	20 35	16 52	18 53	18 57	20 47			n.a.
T 31	12s28	15s21	4n40	21s14	2s25	6n54	1n15	25s 4	1s28	22s43	0s 6	14n 7	1n55	10n38	0s27	13s 4	1n45	20n34	16n52	18n56	18n58	20s47			n.a.

Julian Day Number = 1540532.5, Delta T = 04h38m01s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'46, Lahiri = -10°47'45 Julian Calendar 1 Oct. 496 BCE == Greg. Calendar 26 Sept. 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

NOVEMBER 496 BCE (-495) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 17 17	3♏25'04	10♐ 8	24♏35	16♍36	24♐26	12♐53	28♌ 5	28°R22	9♏10	17♍11	6°R 7	6♌11	20♉41	n.a.	F 1
S 2	2 21 14	4°26'09	22°21	25°34	17°37	25°13	13° 5	28° 9	28♈20	9°12	17°13	5♌59	6° 8	20°47	n.a.	S 2
S 3	2 25 11	5°27'14	4♉21	26°28	18°38	25°59	13°18	28°14	28°17	9°15	17°14	5°53	6° 5	20°54	n.a.	S 3
M 4	2 29 7	6°28'20	16°12	27°18	19°40	26°45	13°30	28°18	28°15	9°17	17°16	5°50	6° 1	21° 1	n.a.	M 4
T 5	2 33 4	7°29'27	28° 0	28° 1	20°42	27°32	13°43	28°22	28°12	9°19	17°18	5°49	5°58	21° 7	n.a.	T 5
W 6	2 37 0	8°30'34	9♒48	28°37	21°44	28°18	13°56	28°26	28°10	9°21	17°20	5°49	5°55	21°14	n.a.	W 6
T 7	2 40 57	9°31'42	21°44	29° 6	22°47	29° 5	14° 8	28°30	28° 7	9°24	17°21	5°49	5°52	21°21	n.a.	T 7
F 8	2 44 53	10°32'51	3♓52	29°26	23°50	29°51	14°21	28°34	28° 5	9°26	17°23	5°47	5°49	21°27	n.a.	F 8
S 9	2 48 50	11°33'59	16°18	29°37	24°53	0♉38	14°34	28°37	28° 2	9°28	17°25	5°43	5°45	21°34	n.a.	S 9
S 10	2 52 46	12°35'09	29° 5	29°R38	25°57	1°24	14°47	28°41	28° 0	9°30	17°26	5°36	5°42	21°41	n.a.	S 10
M11	2 56 43	13°36'19	12♈16	29°29	27° 1	2°11	15° 0	28°44	27°57	9°33	17°28	5°27	5°39	21°47	n.a.	M11
T 12	3 0 40	14°37'29	25°52	29° 7	28° 6	2°57	15°13	28°48	27°55	9°35	17°29	5°15	5°36	21°54	n.a.	T 12
W13	3 4 36	15°38'40	9♉51	28°35	29°11	3°44	15°26	28°51	27°53	9°37	17°31	5° 3	5°33	22° 0	n.a.	W13
T 14	3 8 33	16°39'51	24° 7	27°50	0♎16	4°30	15°39	28°55	27°50	9°39	17°32	4°51	5°30	22° 7	n.a.	T 14
F 15	3 12 29	17°41'03	8♊36	26°55	1°21	5°17	15°53	28°58	27°48	9°42	17°34	4°40	5°26	22°14	n.a.	F 15
S 16	3 16 26	18°42'16	23°10	25°50	2°27	6° 4	16° 6	29° 1	27°46	9°44	17°35	4°32	5°23	22°20	n.a.	S 16
S 17	3 20 22	19°43'30	7♋43	24°37	3°33	6°50	16°19	29° 4	27°43	9°46	17°36	4°27	5°20	22°27	n.a.	S 17
M18	3 24 19	20°44'44	22° 8	23°19	4°39	7°37	16°33	29° 7	27°41	9°48	17°38	4°24	5°17	22°34	n.a.	M18
T 19	3 28 15	21°45'59	6♌24	21°57	5°45	8°23	16°46	29° 9	27°39	9°51	17°39	4°D24	5°14	22°40	n.a.	T 19
W20	3 32 12	22°47'14	20°28	20°34	6°52	9°10	17° 0	29°12	27°37	9°53	17°40	4°R24	5°11	22°47	n.a.	W20
T 21	3 36 9	23°48'30	4♍20	19°14	7°59	9°56	17°13	29°15	27°34	9°55	17°42	4°24	5° 7	22°54	n.a.	T 21
F 22	3 40 5	24°49'46	18° 1	17°59	9° 6	10°43	17°27	29°17	27°32	9°57	17°43	4°21	5° 4	23° 0	n.a.	F 22
S 23	3 44 2	25°51'03	1♎30	16°50	10°13	11°30	17°40	29°20	27°30	9°59	17°44	4°17	5° 1	23° 7	n.a.	S 23
S 24	3 47 58	26°52'21	14°47	15°51	11°21	12°16	17°54	29°22	27°28	10° 2	17°45	4° 9	4°58	23°14	n.a.	S 24
M25	3 51 55	27°53'38	27°54	15° 1	12°29	13° 3	18° 8	29°24	27°26	10° 4	17°46	3°59	4°55	23°20	n.a.	M25
T 26	3 55 51	28°54'56	10♏49	14°21	13°37	13°49	18°21	29°26	27°24	10° 6	17°48	3°47	4°51	23°27	n.a.	T 26
W27	3 59 48	29°56'15	23°32	13°52	14°45	14°36	18°35	29°28	27°22	10° 8	17°49	3°34	4°48	23°34	n.a.	W27
T 28	4 3 44	0♐57'33	6♐ 3	13°33	15°53	15°23	18°49	29°30	27°20	10°10	17°50	3°23	4°45	23°40	n.a.	T 28
F 29	4 7 41	1°58'51	18°20	13°D25	17° 2	16° 9	19° 3	29°32	27°18	10°12	17°51	3°13	4°42	23°47	n.a.	F 29
S 30	4 11 38	3♐ 0'09	0♉26	13♏25	18♎11	16♉56	19♐16	29♌33	27♈16	10♏15	17♍52	3♌ 5	4♌39	23♉54	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s49	18s 9	4n10	21s27	2s22	6n35	1n20	25s 6	1s28	22s44	0s 6	14n 6	1n56	10n37	0s27	13s 5	1n45	20n34	16n53	18n59	18n58	20s47		n.a.
S 2	13 10	20 4	3 28	21 38	2 18	6 15	1 25	25 7	1 27	22 46	0 6	14 5	1 56	10 36	0 27	13 5	1 45	20 34	16 53	19 1	18 59	20 46		n.a.
S 3	13 31	21 3	2 38	21 47	2 13	5 55	1 30	25 9	1 27	22 48	0 6	14 3	1 56	10 35	0 27	13 6	1 45	20 33	16 54	19 3	19 0	20 46		n.a.
M 4	13 51	21 4	1 42	21 53	2 7	5 35	1 34	25 10	1 27	22 50	0 6	14 2	1 56	10 34	0 27	13 7	1 45	20 33	16 54	19 4	19 1	20 46		n.a.
T 5	14 11	20 10	0 41	21 56	2 0	5 14	1 38	25 11	1 27	22 51	0 6	14 1	1 56	10 34	0 27	13 8	1 45	20 33	16 55	19 4	19 2	20 46		n.a.
W 6	14 32	18 22	0s21	21 56	1 52	4 53	1 42	25 11	1 27	22 53	0 7	14 0	1 57	10 33	0 27	13 8	1 45	20 32	16 55	19 4	19 2	20 46		n.a.
T 7	14 51	15 46	1 23	21 53	1 43	4 31	1 46	25 11	1 26	22 54	0 7	13 58	1 57	10 32	0 27	13 9	1 45	20 32	16 55	19 4	19 3	20 45		n.a.
F 8	15 11	12 26	2 23	21 47	1 32	4 9	1 50	25 11	1 26	22 56	0 7	13 57	1 57	10 31	0 27	13 10	1 45	20 32	16 56	19 4	19 4	20 45		n.a.
S 9	15 30	8 30	3 17	21 38	1 19	3 47	1 53	25 11	1 26	22 58	0 7	13 56	1 57	10 30	0 27	13 10	1 45	20 32	16 56	19 5	19 5	20 45		n.a.
S 10	15 49	4 4	4 3	21 24	1 6	3 25	1 57	25 10	1 25	22 59	0 7	13 55	1 58	10 29	0 27	13 11	1 45	20 32	16 57	19 7	19 6	20 45		n.a.
M11	16 8	0n40	4 37	21 7	0 50	3 2	2 0	25 9	1 25	23 1	0 7	13 54	1 58	10 28	0 27	13 12	1 45	20 31	16 57	19 9	19 6	20 45		n.a.
T 12	16 26	5 31	4 57	20 46	0 33	2 39	2 3	25 8	1 25	23 2	0 7	13 53	1 58	10 27	0 27	13 13	1 45	20 31	16 58	19 12	19 7	20 44		n.a.
W13	16 44	10 13	5 0	20 21	0 15	2 15	2 6	25 7	1 25	23 4	0 7	13 52	1 58	10 27	0 27	13 13	1 45	20 31	16 58	19 15	19 8	20 44		n.a.
T 14	17 2	14 28	4 44	19 53	0n 4	1 52	2 9	25 5	1 24	23 6	0 7	13 51	1 59	10 26	0 27	13 14	1 45	20 31	16 59	19 18	19 9	20 44		n.a.
F 15	17 20	17 54	4 10	19 21	0 24	1 28	2 11	25 3	1 24	23 7	0 7	13 50	1 59	10 25	0 27	13 15	1 45	20 31	16 59	19 21	19 9	20 44		n.a.
S 16	17 37	20 15	3 20	18 45	0 44	1 3	2 14	25 0	1 24	23 9	0 8	13 50	1 59	10 24	0 27	13 15	1 45	20 31	17 0	19 23	19 10	20 44		n.a.
S 17	17 54	21 15	2 17	18 8	1 4	0 39	2 16	24 58	1 23	23 10	0 8	13 49	1 59	10 23	0 27	13 16	1 45	20 30	17 0	19 24	19 11	20 43		n.a.
M18	18 10	20 51	1 5	17 29	1 24	0 14	2 18	24 55	1 23	23 12	0 8	13 48	2 0	10 22	0 27	13 17	1 45	20 30	17 1	19 25	19 12	20 43		n.a.
T 19	18 27	19 5	0n11	16 50	1 43	0s10	2 20	24 51	1 23	23 13	0 8	13 47	2 0	10 22	0 26	13 18	1 45	20 30	17 1	19 25	19 13	20 43		n.a.
W20	18 43	16 11	1 24	16 12	2 0	0 35	2 22	24 48	1 22	23 14	0 8	13 47	2 0	10 21	0 26	13 18	1 45	20 30	17 2	19 25	19 13	20 43		n.a.
T 21	18 58	12 24	2 32	15 35	2 16	1 0	2 24	24 44	1 22	23 16	0 8	13 46	2 1	10 20	0 26	13 19	1 45	20 30	17 2	19 25	19 14	20 42		n.a.
F 22	19 13	8 1	3 30	15 1	2 30	1 26	2 25	24 40	1 22	23 17	0 8	13 45	2 1	10 19	0 26	13 20	1 45	20 30	17 3	19 25	19 15	20 42		n.a.
S 23	19 28	3 17	4 15	14 31	2 41	1 51	2 27	24 36	1 21	23 19	0 8	13 45	2 1	10 19	0 26	13 20	1 45	20 30	17 3	19 26	19 16	20 42		n.a.
S 24	19 43	1s31	4 46	14 6	2 50	2 17	2 28	24 31	1 21	23 20	0 8	13 44	2 1	10 18	0 26	13 21	1 45	20 30	17 4	19 28	19 17	20 41		n.a.
M25	19 57	6 11	5 1	13 45	2 56	2 42	2 29	24 26	1 20	23 21	0 9	13 44	2 2	10 17	0 26	13 22	1 45	20 30	17 4	19 31	19 17	20 41		n.a.
T 26	20 11	10 31	5 0	13 29	3 1	3 8	2 30	24 21	1 20	23 23	0 9	13 43	2 2	10 16	0 26	13 22	1 45	20 30	17 5	19 34	19 18	20 41		n.a.
W27	20 24	14 18	4 45	13 18	3 3	3 34	2 31	24 16	1 20	23 24	0 9	13 43	2 2	10 16	0 26	13 23	1 45	20 30	17 6	19 37	19 19	20 41		n.a.
T 28	20 37	17 24	4 16	13 12	3 4	4 0	2 32	24 10	1 19	23 25	0 9	13 42	2 2	10 15	0 26	13 24	1 45	20 30	17 6	19 39	19 20	20 40		n.a.
F 29	20 50	19 40	3 35	13 10	3 3	4 26	2 33	24 4	1 19	23 27	0 9	13 42	2 3	10 14	0 26	13 24	1 45	20 31	17 7	19 42	19 20	20 40		n.a.
S 30	21s 2	21s 0	2n45	13s13	3n 0	4s52	2n33	23s58	1s18	23s28	0s 9	13n42	2n 3	10n14	0s26	13s25	1n45	20n31	17n 7	19n44	19n21	20s40		n.a.

Julian Day Number = 1540563.5, Delta T = 04h38m00s
Ecliptic obliquity = 23°45'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'41, Lahiri = -10°47'41 Julian Calendar 1 Nov. 496 BCE == Greg. Calendar 27 Oct. 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 496 BCE
geocentric

DECEMBER 496 BCE (-495) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 15 34	4♐ 1'27	12♉23	13♏35	19♎20	17♉42	19♐30	29♌35	27°R14	10♏17	17♍53	3°R 0	4♌36	24♉ 0	n.a.	S 1
M 2	4 19 31	5° 2'45	24°12	13°53	20°29	18°29	19°44	29°36	27♈12	10°19	17°53	2♌57	4°32	24° 7	n.a.	M 2
T 3	4 23 27	6° 4'02	5♒58	14°18	21°38	19°15	19°58	29°38	27°10	10°21	17°54	2°D57	4°29	24°13	n.a.	T 3
W 4	4 27 24	7° 5'19	17°45	14°49	22°47	20° 2	20°12	29°39	27° 8	10°23	17°55	2°58	4°26	24°20	n.a.	W 4
T 5	4 31 20	8° 6'35	29°39	15°27	23°57	20°48	20°26	29°40	27° 7	10°25	17°56	2°59	4°23	24°27	n.a.	T 5
F 6	4 35 17	9° 7'50	11♓44	16°10	25° 6	21°35	20°40	29°41	27° 5	10°27	17°57	2°R59	4°20	24°33	n.a.	F 6
S 7	4 39 14	10° 9'05	24° 7	16°58	26°16	22°22	20°54	29°42	27° 3	10°29	17°57	2°58	4°16	24°40	n.a.	S 7
S 8	4 43 10	11°10'20	6♈52	17°50	27°26	23° 8	21° 8	29°43	27° 2	10°31	17°58	2°55	4°13	24°47	n.a.	S 8
M 9	4 47 7	12°11'33	20° 2	18°45	28°36	23°55	21°22	29°43	27° 0	10°33	17°59	2°49	4°10	24°53	n.a.	M 9
T 10	4 51 3	13°12'46	3♉41	19°45	29°46	24°41	21°36	29°44	26°59	10°35	17°59	2°42	4° 7	25° 0	n.a.	T 10
W11	4 55 0	14°13'58	17°46	20°47	0♏56	25°27	21°50	29°45	26°57	10°37	18° 0	2°34	4° 4	25° 7	n.a.	W11
T 12	4 58 56	15°15'10	2♊16	21°52	2° 7	26°14	22° 5	29°45	26°56	10°39	18° 1	2°26	4° 1	25°13	n.a.	T 12
F 13	5 2 53	16°16'21	17° 4	23° 0	3°17	27° 0	22°19	29°45	26°54	10°41	18° 1	2°19	3°57	25°20	n.a.	F 13
S 14	5 6 49	17°17'31	2♋ 2	24° 9	4°28	27°47	22°33	29°45	26°53	10°43	18° 2	2°14	3°54	25°27	n.a.	S 14
S 15	5 10 46	18°18'41	17° 1	25°21	5°38	28°33	22°47	29°R45	26°52	10°45	18° 2	2°10	3°51	25°33	n.a.	S 15
M16	5 14 43	19°19'50	1♌52	26°35	6°49	29°19	23° 1	29°45	26°50	10°47	18° 2	2°D10	3°48	25°40	n.a.	M16
T 17	5 18 39	20°20'59	16°29	27°50	8° 0	0♒ 6	23°15	29°45	26°49	10°49	18° 3	2°10	3°45	25°47	n.a.	T 17
W18	5 22 36	21°22'07	0♍48	29° 7	9°11	0°52	23°29	29°45	26°48	10°50	18° 3	2°12	3°42	25°53	n.a.	W18
T 19	5 26 32	22°23'15	14°48	0♐25	10°22	1°38	23°44	29°45	26°47	10°52	18° 3	2°13	3°38	26° 0	n.a.	T 19
F 20	5 30 29	23°24'22	28°28	1°44	11°33	2°25	23°58	29°44	26°46	10°54	18° 4	2°R13	3°35	26° 6	n.a.	F 20
S 21	5 34 25	24°25'28	11♎49	3° 5	12°45	3°11	24°12	29°43	26°45	10°56	18° 4	2°11	3°32	26°13	n.a.	S 21
S 22	5 38 22	25°26'34	24°53	4°27	13°56	3°57	24°26	29°43	26°44	10°58	18° 4	2° 8	3°29	26°20	n.a.	S 22
M23	5 42 18	26°27'39	7♏42	5°50	15° 7	4°43	24°40	29°42	26°43	10°59	18° 4	2° 3	3°26	26°26	n.a.	M23
T 24	5 46 15	27°28'43	20°18	7°13	16°19	5°29	24°54	29°41	26°42	11° 1	18° 4	1°57	3°22	26°33	n.a.	T 24
W25	5 50 12	28°29'47	2♐42	8°38	17°31	6°16	25° 9	29°40	26°41	11° 3	18° 4	1°51	3°19	26°40	n.a.	W25
T 26	5 54 8	29°30'49	14°56	10° 4	18°42	7° 2	25°23	29°39	26°40	11° 4	18° 5	1°45	3°16	26°46	n.a.	T 26
F 27	5 58 5	0♑31'51	27° 0	11°30	19°54	7°48	25°37	29°38	26°39	11° 6	18°R 5	1°40	3°13	26°53	n.a.	F 27
S 28	6 2 1	1°32'51	8♑57	12°58	21° 6	8°34	25°51	29°36	26°39	11° 8	18° 5	1°36	3°10	27° 0	n.a.	S 28
S 29	6 5 58	2°33'51	20°49	14°26	22°17	9°20	26° 5	29°35	26°38	11° 9	18° 4	1°34	3° 7	27° 6	n.a.	S 29
M30	6 9 54	3°34'48	2♒36	15°55	23°29	10° 6	26°19	29°33	26°37	11°11	18° 4	1°D33	3° 3	27°13	n.a.	M30
T 31	6 13 51	4♑35'45	14♒22	17♐25	24♏41	10♒52	26♐34	29♌32	26♈37	11♏12	18♍ 4	1♌34	3♌ 0	27♉20	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	21s14	21s23	1n48	13s19	2n57	5s18	2n33	23s51	1s18	23s29	0s 9	13n41	2n 3	10n13	0s26	13s26	1n45	20n31	17n 8	19n45	19n22	20s39			n.a.
M 2	21 25	20 47	0 47	13 28	2 52	5 44	2 34	23 44	1 17	23 30	0 9	13 41	2 4	10 12	0 26	13 26	1 45	20 31	17 8	19 45	19 23	20 39			n.a.
T 3	21 36	19 17	0s16	13 41	2 47	6 10	2 34	23 37	1 17	23 31	0 9	13 41	2 4	10 12	0 26	13 27	1 45	20 31	17 9	19 45	19 23	20 39			n.a.
W 4	21 47	16 58	1 19	13 56	2 41	6 36	2 34	23 30	1 17	23 33	0 9	13 41	2 4	10 11	0 26	13 28	1 45	20 31	17 9	19 45	19 24	20 38			n.a.
T 5	21 57	13 54	2 19	14 14	2 34	7 2	2 34	23 22	1 16	23 34	0 10	13 40	2 4	10 10	0 26	13 28	1 45	20 32	17 10	19 45	19 25	20 38			n.a.
F 6	22 7	10 13	3 13	14 33	2 27	7 28	2 33	23 15	1 16	23 35	0 10	13 40	2 5	10 10	0 26	13 29	1 46	20 32	17 11	19 45	19 26	20 38			n.a.
S 7	22 16	6 2	4 0	14 54	2 19	7 54	2 33	23 6	1 15	23 36	0 10	13 40	2 5	10 9	0 26	13 30	1 46	20 32	17 11	19 45	19 27	20 38			n.a.
S 8	22 25	1 28	4 37	15 16	2 12	8 19	2 33	22 58	1 15	23 37	0 10	13 40	2 5	10 9	0 26	13 30	1 46	20 32	17 12	19 46	19 27	20 37			n.a.
M 9	22 33	3n18	5 0	15 39	2 3	8 45	2 32	22 50	1 14	23 38	0 10	13 40	2 5	10 8	0 26	13 31	1 46	20 32	17 12	19 47	19 28	20 37			n.a.
T 10	22 41	8 5	5 8	16 3	1 55	9 11	2 31	22 41	1 14	23 39	0 10	13 40	2 6	10 7	0 26	13 31	1 46	20 33	17 13	19 49	19 29	20 36			n.a.
W11	22 48	12 36	4 57	16 28	1 47	9 36	2 31	22 32	1 13	23 40	0 10	13 40	2 6	10 7	0 26	13 32	1 46	20 33	17 14	19 51	19 30	20 36			n.a.
T 12	22 56	16 31	4 27	16 53	1 38	10 2	2 30	22 22	1 13	23 41	0 10	13 40	2 6	10 6	0 26	13 33	1 46	20 33	17 14	19 53	19 30	20 36			n.a.
F 13	23 2	19 29	3 39	17 19	1 30	10 27	2 29	22 13	1 12	23 42	0 10	13 41	2 7	10 6	0 26	13 33	1 46	20 34	17 15	19 54	19 31	20 35			n.a.
S 14	23 8	21 8	2 36	17 45	1 21	10 52	2 28	22 3	1 12	23 43	0 10	13 41	2 7	10 5	0 26	13 34	1 46	20 34	17 15	19 55	19 32	20 35			n.a.
S 15	23 14	21 19	1 21	18 11	1 13	11 17	2 26	21 53	1 11	23 44	0 11	13 41	2 7	10 5	0 26	13 34	1 46	20 34	17 16	19 56	19 33	20 35			n.a.
M16	23 19	19 59	0 2	18 37	1 4	11 41	2 25	21 43	1 11	23 45	0 11	13 41	2 7	10 5	0 26	13 35	1 46	20 35	17 16	19 56	19 33	20 34			n.a.
T 17	23 24	17 20	1n17	19 2	0 55	12 6	2 24	21 32	1 10	23 46	0 11	13 42	2 8	10 4	0 26	13 35	1 46	20 35	17 17	19 56	19 34	20 34			n.a.
W18	23 28	13 39	2 29	19 28	0 47	12 30	2 22	21 22	1 10	23 46	0 11	13 42	2 8	10 4	0 26	13 36	1 46	20 36	17 18	19 56	19 35	20 34			n.a.
T 19	23 32	9 18	3 31	19 53	0 39	12 54	2 21	21 11	1 9	23 47	0 11	13 42	2 8	10 3	0 26	13 36	1 46	20 36	17 18	19 56	19 36	20 33			n.a.
F 20	23 35	4 34	4 19	20 17	0 30	13 18	2 19	21 0	1 9	23 48	0 11	13 43	2 8	10 3	0 26	13 37	1 46	20 36	17 19	19 56	19 36	20 33			n.a.
S 21	23 38	0s15	4 52	20 41	0 22	13 41	2 17	20 48	1 8	23 49	0 11	13 43	2 9	10 3	0 26	13 38	1 46	20 37	17 19	19 56	19 37	20 32			n.a.
S 22	23 40	4 58	5 9	21 5	0 14	14 5	2 15	20 37	1 8	23 49	0 11	13 44	2 9	10 2	0 26	13 38	1 46	20 37	17 20	19 57	19 38	20 32			n.a.
M23	23 42	9 23	5 10	21 27	0 6	14 28	2 13	20 25	1 7	23 50	0 11	13 44	2 9	10 2	0 26	13 39	1 46	20 38	17 21	19 58	19 39	20 32			n.a.
T 24	23 44	13 18	4 56	21 50	0s 1	14 50	2 12	20 13	1 7	23 51	0 12	13 45	2 10	10 2	0 26	13 39	1 46	20 38	17 21	19 59	19 39	20 31			n.a.
W25	23 45	16 36	4 28	22 11	0 9	15 13	2 9	20 1	1 6	23 51	0 12	13 46	2 10	10 1	0 26	13 40	1 46	20 39	17 22	20 1	19 40	20 31			n.a.
T 26	23 45	19 7	3 48	22 31	0 17	15 35	2 7	19 49	1 5	23 52	0 12	13 46	2 10	10 1	0 26	13 40	1 46	20 39	17 22	20 2	19 41	20 30			n.a.
F 27	23 45	20 45	2 58	22 51	0 24	15 56	2 5	19 36	1 5	23 53	0 12	13 47	2 10	10 1	0 26	13 40	1 46	20 40	17 23	20 3	19 42	20 30			n.a.
S 28	23 45	21 26	2 1	23 10	0 31	16 18	2 3	19 24	1 4	23 53	0 12	13 48	2 11	10 1	0 26	13 41	1 46	20 40	17 24	20 4	19 42	20 29			n.a.
S 29	23 44	21 9	0 59	23 27	0 38	16 39	2 1	19 11	1 4	23 54	0 12	13 48	2 11	10 0	0 26	13 41	1 46	20 41	17 24	20 4	19 43	20 29			n.a.
M30	23 42	19 56	0s 6	23 44	0 44	16 59	1 58	18 58	1 3	23 54	0 12	13 49	2 11	10 0	0 25	13 42	1 46	20 41	17 25	20 5	19 44	20 29			n.a.
T 31	23s40	17s51	1s10	24s 0	0s51	17s19	1n56	18s44	1s 3	23s55	0s12	13n50	2n11	10n 0	0s25	13s42	1n46	20n42	17n25	20n 4	19n45	20s28			n.a.

Julian Day Number = 1540593.5, Delta T = 04h37m58s
Ecliptic obliquity = 23°45'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'37, Lahiri = -10°47'37 Julian Calendar 1 Dec. 496 BCE == Greg. Calendar 26 Nov. 496 BCE

The year -495 astronomical counting style corresponds to year 496 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

JANUARY 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 17 48	5♉36'40	26♒10	18♐55	25♏53	11♒38	26♐48	29°R30	26°R36	11♏14	18°R 4	1♌35	2♌57	27♉26	n.a.	W 1
T 2	6 21 44	6°37'33	8♓ 5	20°26	27° 5	12°24	27° 2	29♌28	26♈36	11°15	18♍ 4	1°37	2°54	27°33	n.a.	T 2
F 3	6 25 41	7°38'25	20°10	21°59	28°17	13°10	27°16	29°26	26°36	11°17	18° 4	1°39	2°51	27°40	n.a.	F 3
S 4	6 29 37	8°39'16	2♈29	23°31	29°30	13°56	27°30	29°24	26°35	11°18	18° 3	1°40	2°48	27°46	n.a.	S 4
S 5	6 33 34	9°40'04	15° 9	25° 5	0♐42	14°42	27°44	29°22	26°35	11°20	18° 3	1°R40	2°44	27°53	n.a.	S 5
M 6	6 37 30	10°40'51	28°12	26°39	1°54	15°27	27°58	29°20	26°35	11°21	18° 3	1°39	2°41	27°59	n.a.	M 6
T 7	6 41 27	11°41'36	11♉43	28°14	3° 6	16°13	28°12	29°18	26°35	11°22	18° 2	1°37	2°38	28° 6	n.a.	T 7
W 8	6 45 23	12°42'20	25°42	29°50	4°18	16°59	28°26	29°15	26°34	11°24	18° 2	1°35	2°35	28°13	n.a.	W 8
T 9	6 49 20	13°43'02	10♊ 8	1♉27	5°31	17°45	28°40	29°13	26°34	11°25	18° 1	1°32	2°32	28°19	n.a.	T 9
F 10	6 53 17	14°43'42	24°57	3° 5	6°43	18°30	28°54	29°10	26°D34	11°26	18° 1	1°30	2°28	28°26	n.a.	F 10
S 11	6 57 13	15°44'20	10♋ 3	4°43	7°56	19°16	29° 8	29° 7	26°34	11°28	18° 0	1°28	2°25	28°33	n.a.	S 11
S 12	7 1 10	16°44'57	25°15	6°22	9° 8	20° 1	29°22	29° 5	26°34	11°29	18° 0	1°D28	2°22	28°39	n.a.	S 12
M13	7 5 6	17°45'32	10♌26	8° 2	10°21	20°47	29°35	29° 2	26°35	11°30	17°59	1°28	2°19	28°46	n.a.	M13
T 14	7 9 3	18°46'06	25°24	9°43	11°33	21°32	29°49	28°59	26°35	11°31	17°59	1°28	2°16	28°53	n.a.	T 14
W15	7 12 59	19°46'38	10♍ 4	11°25	12°46	22°18	0♉ 3	28°56	26°35	11°32	17°58	1°29	2°13	28°59	n.a.	W15
T 16	7 16 56	20°47'08	24°21	13° 8	13°58	23° 3	0°17	28°53	26°35	11°33	17°57	1°30	2° 9	29° 6	n.a.	T 16
F 17	7 20 52	21°47'37	8♎11	14°52	15°11	23°49	0°31	28°50	26°36	11°34	17°57	1°31	2° 6	29°13	n.a.	F 17
S 18	7 24 49	22°48'05	21°37	16°36	16°24	24°34	0°44	28°46	26°36	11°35	17°56	1°R31	2° 3	29°19	n.a.	S 18
S 19	7 28 46	23°48'31	4♏40	18°22	17°36	25°19	0°58	28°43	26°37	11°36	17°55	1°31	2° 0	29°26	n.a.	S 19
M20	7 32 42	24°48'56	17°22	20° 8	18°49	26° 5	1°11	28°40	26°37	11°37	17°54	1°30	1°57	29°33	n.a.	M20
T 21	7 36 39	25°49'19	29°47	21°56	20° 2	26°50	1°25	28°36	26°38	11°38	17°54	1°30	1°54	29°39	n.a.	T 21
W22	7 40 35	26°49'41	11♐59	23°44	21°15	27°35	1°39	28°33	26°38	11°39	17°53	1°29	1°50	29°46	n.a.	W22
T 23	7 44 32	27°50'01	24° 1	25°33	22°27	28°20	1°52	28°29	26°39	11°40	17°52	1°29	1°47	29°52	n.a.	T 23
F 24	7 48 28	28°50'19	5♑55	27°24	23°40	29° 5	2° 6	28°25	26°40	11°41	17°51	1°28	1°44	29°59	n.a.	F 24
S 25	7 52 25	29°50'35	17°45	29°15	24°53	29°51	2°19	28°21	26°40	11°42	17°50	1°28	1°41	0♒ 6	n.a.	S 25
S 26	7 56 21	0♒50'50	29°32	1♒ 7	26° 6	0♓36	2°32	28°18	26°41	11°43	17°49	1°D28	1°38	0°12	n.a.	S 26
M27	8 0 18	1°51'03	11♒20	3° 0	27°19	1°21	2°46	28°14	26°42	11°43	17°48	1°R28	1°34	0°19	n.a.	M27
T 28	8 4 15	2°51'13	23° 9	4°54	28°32	2° 6	2°59	28°10	26°43	11°44	17°47	1°28	1°31	0°26	n.a.	T 28
W29	8 8 11	3°51'22	5♓ 2	6°48	29°45	2°50	3°12	28° 6	26°44	11°45	17°46	1°28	1°28	0°32	n.a.	W29
T 30	8 12 8	4°51'28	17° 3	8°43	0♉57	3°35	3°25	28° 2	26°45	11°45	17°45	1°27	1°25	0°39	n.a.	T 30
F 31	8 16 4	5♒51'32	29♓13	10♒39	2♉10	4♓20	3♉38	27♌58	26♈46	11♏46	17♍44	1♌27	1♌22	0♒46	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23s38	15s 1	2s12	24s14	0s57	17s39	1n53	18s31	1s 2	23s55	0s12	13n51	2n12	10n 0	0s25	13s43	1n46	20n43	17n26	20n 4	19n45	20s28			n.a.
T 2	23 35	11 33	3 8	24 27	1 3	17 58	1 51	18 17	1 2	23 56	0 13	13 52	2 12	10 0	0 25	13 43	1 46	20 43	17 26	20 4	19 46	20 27			n.a.
F 3	23 32	7 34	3 57	24 39	1 9	18 17	1 48	18 3	1 1	23 56	0 13	13 53	2 12	10 0	0 25	13 44	1 46	20 44	17 27	20 3	19 47	20 27			n.a.
S 4	23 28	3 13	4 36	24 50	1 15	18 36	1 45	17 50	1 0	23 57	0 13	13 54	2 12	10 0	0 25	13 44	1 47	20 44	17 28	20 3	19 48	20 26			n.a.
S 5	23 24	1n23	5 3	24 59	1 20	18 54	1 43	17 35	1 0	23 57	0 13	13 55	2 13	10 0	0 25	13 44	1 47	20 45	17 28	20 3	19 48	20 26			n.a.
M 6	23 19	6 4	5 15	25 8	1 25	19 11	1 40	17 21	0 59	23 57	0 13	13 56	2 13	9 59	0 25	13 45	1 47	20 46	17 29	20 3	19 49	20 25			n.a.
T 7	23 14	10 37	5 11	25 14	1 30	19 28	1 37	17 7	0 59	23 58	0 13	13 57	2 13	9 59	0 25	13 45	1 47	20 46	17 29	20 4	19 50	20 25			n.a.
W 8	23 8	14 46	4 49	25 19	1 34	19 44	1 34	16 52	0 58	23 58	0 13	13 58	2 13	9 59	0 25	13 46	1 47	20 47	17 30	20 4	19 50	20 24			n.a.
T 9	23 2	18 11	4 7	25 23	1 38	20 0	1 31	16 38	0 57	23 58	0 13	13 59	2 14	9 59	0 25	13 46	1 47	20 48	17 30	20 5	19 51	20 24			n.a.
F 10	22 56	20 31	3 9	25 25	1 42	20 16	1 28	16 23	0 57	23 58	0 13	14 0	2 14	9 59	0 25	13 46	1 47	20 48	17 31	20 5	19 52	20 23			n.a.
S 11	22 49	21 26	1 56	25 26	1 46	20 31	1 25	16 8	0 56	23 59	0 14	14 1	2 14	9 59	0 25	13 47	1 47	20 49	17 31	20 6	19 53	20 23			n.a.
S 12	22 41	20 48	0 34	25 25	1 49	20 45	1 22	15 53	0 56	23 59	0 14	14 2	2 14	10 0	0 25	13 47	1 47	20 50	17 32	20 6	19 53	20 22			n.a.
M13	22 33	18 39	0n50	25 22	1 52	20 59	1 19	15 37	0 55	23 59	0 14	14 4	2 15	10 0	0 25	13 47	1 47	20 51	17 33	20 6	19 54	20 22			n.a.
T 14	22 25	15 15	2 9	25 18	1 55	21 12	1 16	15 22	0 54	23 59	0 14	14 5	2 15	10 0	0 25	13 48	1 47	20 51	17 33	20 6	19 55	20 21			n.a.
W15	22 16	10 57	3 18	25 12	1 57	21 25	1 13	15 6	0 54	23 59	0 14	14 6	2 15	10 0	0 25	13 48	1 47	20 52	17 34	20 5	19 56	20 21			n.a.
T 16	22 7	6 9	4 13	25 4	1 59	21 37	1 10	14 51	0 53	23 59	0 14	14 7	2 15	10 0	0 25	13 48	1 47	20 53	17 34	20 5	19 56	20 20			n.a.
F 17	21 58	1 10	4 52	24 54	2 0	21 48	1 7	14 35	0 52	23 59	0 14	14 9	2 16	10 0	0 25	13 48	1 47	20 54	17 35	20 5	19 57	20 20			n.a.
S 18	21 48	3s42	5 13	24 42	2 1	21 59	1 4	14 19	0 52	23 59	0 14	14 10	2 16	10 0	0 25	13 49	1 47	20 54	17 35	20 5	19 58	20 19			n.a.
S 19	21 37	8 16	5 17	24 29	2 2	22 9	1 1	14 3	0 51	24 0	0 15	14 12	2 16	10 0	0 25	13 49	1 47	20 55	17 36	20 5	19 58	20 19			n.a.
M20	21 27	12 21	5 6	24 14	2 2	22 19	0 58	13 47	0 51	24 0	0 15	14 13	2 16	10 1	0 25	13 49	1 47	20 56	17 36	20 5	19 59	20 18			n.a.
T 21	21 16	15 49	4 40	23 56	2 1	22 28	0 54	13 31	0 50	24 0	0 15	14 14	2 16	10 1	0 25	13 49	1 47	20 57	17 37	20 5	20 0	20 18			n.a.
W22	21 4	18 32	4 2	23 37	2 1	22 36	0 51	13 14	0 49	23 59	0 15	14 16	2 17	10 1	0 25	13 50	1 47	20 57	17 37	20 5	20 1	20 17			n.a.
T 23	20 52	20 23	3 14	23 16	1 59	22 44	0 48	12 58	0 49	23 59	0 15	14 17	2 17	10 1	0 25	13 50	1 47	20 58	17 38	20 6	20 1	20 17			n.a.
F 24	20 40	21 20	2 17	22 53	1 58	22 51	0 45	12 41	0 48	23 59	0 15	14 19	2 17	10 2	0 25	13 50	1 48	20 59	17 38	20 6	20 2	20 16			n.a.
S 25	20 27	21 19	1 16	22 27	1 55	22 58	0 42	12 25	0 47	23 59	0 15	14 20	2 17	10 2	0 25	13 50	1 48	21 0	17 39	20 6	20 3	20 15			n.a.
S 26	20 14	20 20	0 11	22 0	1 53	23 3	0 39	12 8	0 47	23 59	0 15	14 22	2 17	10 2	0 25	13 50	1 48	21 1	17 39	20 6	20 4	20 15			n.a.
M27	20 0	18 29	0s55	21 31	1 49	23 8	0 35	11 51	0 46	23 59	0 16	14 23	2 17	10 3	0 25	13 51	1 48	21 1	17 39	20 6	20 4	20 14			n.a.
T 28	19 47	15 50	1 58	21 0	1 45	23 13	0 32	11 34	0 46	23 59	0 16	14 25	2 18	10 3	0 25	13 51	1 48	21 2	17 40	20 6	20 5	20 14			n.a.
W29	19 33	12 31	2 56	20 26	1 41	23 16	0 29	11 18	0 45	23 59	0 16	14 26	2 18	10 4	0 25	13 51	1 48	21 3	17 40	20 6	20 6	20 13			n.a.
T 30	19 18	8 40	3 47	19 51	1 36	23 19	0 26	11 0	0 44	23 58	0 16	14 28	2 18	10 4	0 25	13 51	1 48	21 4	17 41	20 6	20 6	20 12			n.a.
F 31	19s 3	4s25	4s29	19s14	1s30	23s22	0n23	10s43	0s44	23s58	0s16	14n30	2n18	10n 4	0s25	13s51	1n48	21n 5	17n41	20n 6	20n 7	20s12			n.a.

Julian Day Number = 1540624.5, Delta T = 04h37m57s
Ecliptic obliquity = 23°45'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'33, Lahiri = -10°47'33 Julian Calendar 1 Jan. 495 BCE == Greg. Calendar 27 Dec. 496 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

FEBRUARY 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 20 1	6♒51'34	11♈36	12♒35	3♉23	5♓ 5	3♉51	27°R53	26♈47	11♏46	17°R42	1°R26	1♌19	0♒52	n.a.	S 1
S 2	8 23 57	7°51'34	24°15	14°32	4°36	5°50	4° 4	27♌49	26°48	11°47	17♍41	1♌26	1°15	0°59	n.a.	S 2
M 3	8 27 54	8°51'31	7♉14	16°29	5°49	6°34	4°17	27°45	26°50	11°48	17°40	1°D26	1°12	1° 6	n.a.	M 3
T 4	8 31 50	9°51'26	20°36	18°25	7° 2	7°19	4°30	27°41	26°51	11°48	17°39	1°26	1° 9	1°12	n.a.	T 4
W 5	8 35 47	10°51'19	4♊22	20°21	8°15	8° 4	4°43	27°36	26°52	11°48	17°38	1°26	1° 6	1°19	n.a.	W 5
T 6	8 39 44	11°51'09	18°33	22°17	9°28	8°48	4°56	27°32	26°54	11°49	17°36	1°27	1° 3	1°25	n.a.	T 6
F 7	8 43 40	12°50'57	3♋ 9	24°11	10°41	9°33	5° 8	27°28	26°55	11°49	17°35	1°28	1° 0	1°32	n.a.	F 7
S 8	8 47 37	13°50'43	18° 4	26° 4	11°54	10°17	5°21	27°23	26°57	11°50	17°34	1°29	0°56	1°39	n.a.	S 8
S 9	8 51 33	14°50'26	3♌12	27°56	13° 7	11° 2	5°34	27°19	26°58	11°50	17°32	1°R29	0°53	1°45	n.a.	S 9
M10	8 55 30	15°50'07	18°24	29°45	14°20	11°46	5°46	27°14	27° 0	11°50	17°31	1°28	0°50	1°52	n.a.	M10
T 11	8 59 26	16°49'46	3♍31	1♓32	15°33	12°30	5°58	27°10	27° 1	11°50	17°30	1°27	0°47	1°59	n.a.	T 11
W12	9 3 23	17°49'23	18°23	3°15	16°46	13°14	6°11	27° 5	27° 3	11°51	17°28	1°25	0°44	2° 5	n.a.	W12
T 13	9 7 19	18°48'58	2♎54	4°56	18° 0	13°59	6°23	27° 1	27° 5	11°51	17°27	1°23	0°40	2°12	n.a.	T 13
F 14	9 11 16	19°48'31	16°58	6°32	19°13	14°43	6°35	26°56	27° 6	11°51	17°26	1°21	0°37	2°19	n.a.	F 14
S 15	9 15 12	20°48'03	0♏34	8° 3	20°26	15°27	6°47	26°51	27° 8	11°51	17°24	1°19	0°34	2°25	n.a.	S 15
S 16	9 19 9	21°47'32	13°43	9°30	21°39	16°11	6°59	26°47	27°10	11°51	17°23	1°18	0°31	2°32	n.a.	S 16
M17	9 23 6	22°46'59	26°27	10°51	22°52	16°55	7°11	26°42	27°12	11°51	17°21	1°D18	0°28	2°39	n.a.	M17
T 18	9 27 2	23°46'25	8♐51	12° 7	24° 5	17°39	7°23	26°37	27°14	11°R51	17°20	1°18	0°25	2°45	n.a.	T 18
W19	9 30 59	24°45'49	20°59	13°16	25°18	18°23	7°35	26°33	27°16	11°51	17°18	1°20	0°21	2°52	n.a.	W19
T 20	9 34 55	25°45'11	2♑55	14°19	26°31	19° 7	7°47	26°28	27°18	11°51	17°17	1°22	0°18	2°59	n.a.	T 20
F 21	9 38 52	26°44'31	14°44	15°16	27°45	19°51	7°59	26°23	27°20	11°51	17°15	1°23	0°15	3° 5	n.a.	F 21
S 22	9 42 48	27°43'48	26°30	16° 5	28°58	20°35	8°10	26°19	27°22	11°51	17°14	1°R24	0°12	3°12	n.a.	S 22
S 23	9 46 45	28°43'04	8♒17	16°47	0♒11	21°18	8°22	26°14	27°24	11°51	17°12	1°24	0° 9	3°18	n.a.	S 23
M24	9 50 41	29°42'18	20° 7	17°22	1°24	22° 2	8°33	26° 9	27°26	11°50	17°10	1°23	0° 6	3°25	n.a.	M24
T 25	9 54 38	0♓41'29	2♓ 2	17°49	2°37	22°46	8°44	26° 5	27°29	11°50	17° 9	1°20	0° 2	3°32	n.a.	T 25
W26	9 58 35	1°40'39	14° 5	18° 9	3°51	23°29	8°56	26° 0	27°31	11°50	17° 7	1°15	29♋59	3°38	n.a.	W26
T 27	10 2 31	2°39'46	26°17	18°21	5° 4	24°13	9° 7	25°55	27°33	11°50	17° 6	1°10	29°56	3°45	n.a.	T 27
F 28	10 6 28	3♓38'51	8♈40	18°R27	6♒17	24♓56	9♉18	25♌51	27♈35	11♏49	17♍ 4	1♌ 4	29♋53	3♒52	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	18s48	0n 4	4s59	18s35	1s23	23s23	0n19	10s26	0s43	23s58	0s16	14n31	2n18	10n 5	0s24	13s51	1n48	21n 6	17n42	20n 6	20n 8	20s11			n.a.
S 2	18 33	4 38	5 15	17 54	1 16	23 24	0 16	10 9	0 42	23 58	0 16	14 33	2 18	10 5	0 24	13 51	1 48	21 6	17 42	20 6	20 8	20 11			n.a.
M 3	18 17	9 8	5 16	17 12	1 9	23 24	0 13	9 52	0 42	23 57	0 16	14 35	2 19	10 6	0 24	13 52	1 48	21 7	17 42	20 6	20 9	20 10			n.a.
T 4	18 1	13 18	5 0	16 28	1 0	23 24	0 10	9 34	0 41	23 57	0 17	14 36	2 19	10 6	0 24	13 52	1 48	21 8	17 43	20 6	20 10	20 9			n.a.
W 5	17 44	16 55	4 27	15 42	0 51	23 23	0 7	9 17	0 40	23 57	0 17	14 38	2 19	10 7	0 24	13 52	1 48	21 9	17 43	20 6	20 11	20 9			n.a.
T 6	17 28	19 39	3 37	14 55	0 42	23 21	0 4	8 59	0 40	23 56	0 17	14 40	2 19	10 7	0 24	13 52	1 48	21 10	17 44	20 6	20 11	20 8			n.a.
F 7	17 11	21 12	2 31	14 8	0 31	23 18	0 1	8 42	0 39	23 56	0 17	14 41	2 19	10 8	0 24	13 52	1 48	21 11	17 44	20 6	20 12	20 8			n.a.
S 8	16 53	21 18	1 14	13 19	0 21	23 15	0s 2	8 24	0 38	23 56	0 17	14 43	2 19	10 8	0 24	13 52	1 48	21 11	17 44	20 6	20 13	20 7			n.a.
S 9	16 36	19 51	0n10	12 30	0 9	23 11	0 5	8 6	0 38	23 55	0 17	14 45	2 19	10 9	0 24	13 52	1 48	21 12	17 45	20 5	20 13	20 6			n.a.
M10	16 18	16 59	1 33	11 40	0n 3	23 6	0 8	7 49	0 37	23 55	0 17	14 46	2 20	10 10	0 24	13 52	1 48	21 13	17 45	20 6	20 14	20 6			n.a.
T 11	16 0	12 58	2 48	10 50	0 15	23 1	0 11	7 31	0 37	23 55	0 18	14 48	2 20	10 10	0 24	13 52	1 49	21 14	17 45	20 6	20 15	20 5			n.a.
W12	15 41	8 12	3 52	10 1	0 28	22 55	0 14	7 13	0 36	23 54	0 18	14 50	2 20	10 11	0 24	13 52	1 49	21 15	17 46	20 6	20 16	20 4			n.a.
T 13	15 23	3 5	4 38	9 12	0 41	22 48	0 17	6 55	0 35	23 54	0 18	14 51	2 20	10 11	0 24	13 52	1 49	21 16	17 46	20 7	20 16	20 4			n.a.
F 14	15 4	2s 2	5 6	8 24	0 54	22 41	0 20	6 38	0 35	23 53	0 18	14 53	2 20	10 12	0 24	13 52	1 49	21 17	17 46	20 7	20 17	20 3			n.a.
S 15	14 45	6 53	5 16	7 37	1 7	22 33	0 22	6 20	0 34	23 53	0 18	14 55	2 20	10 13	0 24	13 52	1 49	21 17	17 46	20 8	20 18	20 2			n.a.
S 16	14 26	11 15	5 9	6 52	1 21	22 24	0 25	6 2	0 33	23 52	0 18	14 56	2 20	10 13	0 24	13 52	1 49	21 18	17 47	20 8	20 18	20 2			n.a.
M17	14 6	14 58	4 46	6 9	1 34	22 15	0 28	5 44	0 33	23 52	0 18	14 58	2 20	10 14	0 24	13 52	1 49	21 19	17 47	20 8	20 19	20 1			n.a.
T 18	13 46	17 56	4 11	5 28	1 47	22 5	0 31	5 26	0 32	23 51	0 19	15 0	2 20	10 15	0 24	13 52	1 49	21 20	17 47	20 8	20 20	20 0			n.a.
W19	13 26	20 2	3 25	4 49	2 0	21 54	0 33	5 8	0 31	23 51	0 19	15 1	2 20	10 16	0 24	13 52	1 49	21 21	17 48	20 8	20 20	20 0			n.a.
T 20	13 6	21 13	2 31	4 13	2 12	21 43	0 36	4 50	0 31	23 50	0 19	15 3	2 20	10 16	0 24	13 52	1 49	21 22	17 48	20 7	20 21	19 59			n.a.
F 21	12 46	21 26	1 31	3 40	2 24	21 31	0 38	4 32	0 30	23 50	0 19	15 5	2 20	10 17	0 24	13 52	1 49	21 22	17 48	20 7	20 22	19 58			n.a.
S 22	12 25	20 41	0 27	3 10	2 36	21 18	0 41	4 14	0 29	23 49	0 19	15 7	2 21	10 18	0 24	13 52	1 49	21 23	17 48	20 7	20 22	19 58			n.a.
S 23	12 4	19 2	0s38	2 44	2 47	21 5	0 43	3 56	0 29	23 48	0 19	15 8	2 21	10 19	0 24	13 52	1 49	21 24	17 48	20 7	20 23	19 57			n.a.
M24	11 43	16 34	1 41	2 21	2 56	20 51	0 46	3 38	0 28	23 48	0 19	15 10	2 21	10 20	0 24	13 51	1 49	21 25	17 49	20 7	20 24	19 56			n.a.
T 25	11 22	13 23	2 40	2 2	3 5	20 37	0 48	3 20	0 27	23 47	0 20	15 11	2 21	10 20	0 24	13 51	1 49	21 26	17 49	20 8	20 24	19 56			n.a.
W26	11 1	9 36	3 33	1 47	3 13	20 22	0 50	3 2	0 27	23 47	0 20	15 13	2 21	10 21	0 24	13 51	1 49	21 26	17 49	20 9	20 25	19 55			n.a.
T 27	10 40	5 24	4 17	1 36	3 20	20 6	0 53	2 43	0 26	23 46	0 20	15 15	2 21	10 22	0 24	13 51	1 49	21 27	17 49	20 10	20 26	19 54			n.a.
F 28	10s18	0s56	4s49	1s29	3n25	19s50	0s55	2s25	0s25	23s45	0s20	15n16	2n21	10n23	0s24	13s51	1n49	21n28	17n49	20n11	20n27	19s53			n.a.

Julian Day Number = 1540655.5, Delta T = 04h37m56s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'29, Lahiri = -10°47'28 Julian Calendar 1 Feb. 495 BCE == Greg. Calendar 27 Jan. 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

MARCH 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 10 24	4♓37'53	21♈14	18°R25	7♒30	25♓40	9♑29	25°R46	27♈38	11°R49	17°R 2	0°R59	29♋50	3♒58	n.a.	S 1
S 2	10 14 21	5°36'53	4♉ 2	18♓16	8°43	26°23	9°39	25♌42	27°40	11♏49	17♍ 1	0♌54	29°46	4° 5	n.a.	S 2
M 3	10 18 17	6°35'51	17° 5	18° 1	9°56	27° 7	9°50	25°37	27°43	11°48	16°59	0°51	29°43	4°12	n.a.	M 3
T 4	10 22 14	7°34'47	0♊25	17°39	11°10	27°50	10° 1	25°33	27°45	11°48	16°57	0°49	29°40	4°18	n.a.	T 4
W 5	10 26 10	8°33'40	14° 4	17°12	12°23	28°33	10°11	25°28	27°48	11°47	16°56	0°D49	29°37	4°25	n.a.	W 5
T 6	10 30 7	9°32'30	28° 2	16°40	13°36	29°17	10°22	25°24	27°50	11°47	16°54	0°50	29°34	4°32	n.a.	T 6
F 7	10 34 3	10°31'19	12♋19	16° 4	14°49	29°59	10°32	25°19	27°53	11°46	16°52	0°52	29°31	4°38	n.a.	F 7
S 8	10 38 0	11°30'05	26°54	15°24	16° 2	0♈43	10°42	25°15	27°55	11°46	16°51	0°R52	29°27	4°45	n.a.	S 8
S 9	10 41 57	12°28'48	11♌44	14°41	17°16	1°26	10°52	25°11	27°58	11°45	16°49	0°52	29°24	4°51	n.a.	S 9
M10	10 45 53	13°27'29	26°40	13°57	18°29	2° 9	11° 2	25° 6	28° 1	11°44	16°47	0°50	29°21	4°58	n.a.	M10
T 11	10 49 50	14°26'08	11♍37	13°12	19°42	2°52	11°12	25° 2	28° 4	11°44	16°46	0°46	29°18	5° 5	n.a.	T 11
W12	10 53 46	15°24'45	26°26	12°26	20°55	3°35	11°22	24°58	28° 6	11°43	16°44	0°40	29°15	5°11	n.a.	W12
T 13	10 57 43	16°23'20	10♎58	11°41	22° 9	4°18	11°32	24°54	28° 9	11°42	16°42	0°32	29°11	5°18	n.a.	T 13
F 14	11 1 39	17°21'53	25° 6	10°58	23°22	5° 1	11°41	24°49	28°12	11°42	16°41	0°25	29° 8	5°25	n.a.	F 14
S 15	11 5 36	18°20'24	8♏49	10°17	24°35	5°43	11°51	24°45	28°15	11°41	16°39	0°19	29° 5	5°31	n.a.	S 15
S 16	11 9 32	19°18'53	22° 3	9°39	25°48	6°26	12° 0	24°41	28°18	11°40	16°37	0°13	29° 2	5°38	n.a.	S 16
M17	11 13 29	20°17'21	4♐52	9° 5	27° 1	7° 9	12° 9	24°37	28°21	11°39	16°36	0°10	28°59	5°45	n.a.	M17
T 18	11 17 26	21°15'46	17°19	8°34	28°15	7°51	12°18	24°33	28°23	11°38	16°34	0°D 9	28°56	5°51	n.a.	T 18
W19	11 21 22	22°14'11	29°28	8° 8	29°28	8°34	12°27	24°29	28°26	11°38	16°32	0° 9	28°52	5°58	n.a.	W19
T 20	11 25 19	23°12'33	11♑24	7°46	0♓41	9°17	12°36	24°26	28°29	11°37	16°31	0°10	28°49	6° 5	n.a.	T 20
F 21	11 29 15	24°10'54	23°12	7°30	1°54	9°59	12°45	24°22	28°32	11°36	16°29	0°11	28°46	6°11	n.a.	F 21
S 22	11 33 12	25° 9'13	4♒58	7°18	3° 8	10°41	12°53	24°18	28°35	11°35	16°27	0°R11	28°43	6°18	n.a.	S 22
S 23	11 37 8	26° 7'30	16°47	7°11	4°21	11°24	13° 2	24°15	28°38	11°34	16°26	0° 9	28°40	6°25	n.a.	S 23
M24	11 41 5	27° 5'46	28°41	7°D 9	5°34	12° 6	13°10	24°11	28°42	11°33	16°24	0° 6	28°37	6°31	n.a.	M24
T 25	11 45 1	28° 4'00	10♓45	7°12	6°47	12°49	13°18	24° 8	28°45	11°32	16°22	29♋59	28°33	6°38	n.a.	T 25
W26	11 48 58	29° 2'11	23° 0	7°20	8° 1	13°31	13°26	24° 4	28°48	11°31	16°21	29°51	28°30	6°44	n.a.	W26
T 27	11 52 54	0♈ 0'22	5♈27	7°33	9°14	14°13	13°34	24° 1	28°51	11°30	16°19	29°41	28°27	6°51	n.a.	T 27
F 28	11 56 51	0°58'30	18° 7	7°50	10°27	14°55	13°42	23°58	28°54	11°28	16°17	29°30	28°24	6°58	n.a.	F 28
S 29	12 0 48	1°56'36	1♉ 0	8°12	11°41	15°37	13°49	23°54	28°57	11°27	16°16	29°19	28°21	7° 4	n.a.	S 29
S 30	12 4 44	2°54'41	14° 6	8°38	12°54	16°19	13°57	23°51	29° 1	11°26	16°14	29°10	28°17	7°11	n.a.	S 30
M31	12 8 41	3♈52'43	27♉23	9♓ 9	14♓ 7	17♈ 2	14♑ 4	23♌48	29♈ 4	11♏25	16♍12	29♋ 2	28♋14	7♒18	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s56	3n39	5s 7	1s26	3n29	19s33	0s57	2s 7	0s25	23s45	0s20	15n18	2n21	10n24	0s24	13s51	1n49	21n29	17n50	20n12	20n27	19s53		n.a.
S 2	9 34	8 9	5 11	1 27	3 32	19 16	0 59	1 49	0 24	23 44	0 20	15 20	2 21	10 25	0 24	13 51	1 50	21 30	17 50	20 13	20 28	19 52		n.a.
M 3	9 12	12 22	5 0	1 32	3 33	18 58	1 1	1 31	0 23	23 44	0 21	15 21	2 21	10 26	0 24	13 50	1 50	21 30	17 50	20 14	20 29	19 51		n.a.
T 4	8 50	16 5	4 31	1 41	3 33	18 40	1 3	1 13	0 23	23 43	0 21	15 23	2 21	10 27	0 24	13 50	1 50	21 31	17 50	20 14	20 29	19 50		n.a.
W 5	8 28	19 1	3 48	1 54	3 30	18 21	1 5	0 55	0 22	23 42	0 21	15 24	2 21	10 28	0 24	13 50	1 50	21 32	17 50	20 14	20 30	19 50		n.a.
T 6	8 6	20 55	2 49	2 10	3 27	18 1	1 7	0 37	0 21	23 42	0 21	15 26	2 21	10 28	0 24	13 50	1 50	21 33	17 50	20 14	20 31	19 49		n.a.
F 7	7 43	21 32	1 39	2 29	3 21	17 41	1 8	0 19	0 21	23 41	0 21	15 27	2 21	10 29	0 24	13 50	1 50	21 33	17 50	20 14	20 31	19 48		n.a.
S 8	7 21	20 42	0 22	2 51	3 14	17 21	1 10	0 1	0 20	23 40	0 21	15 29	2 21	10 30	0 24	13 49	1 50	21 34	17 50	20 14	20 32	19 47		n.a.
S 9	6 58	18 26	0n59	3 16	3 6	17 0	1 12	0n17	0 20	23 40	0 22	15 30	2 21	10 31	0 24	13 49	1 50	21 35	17 50	20 14	20 33	19 47		n.a.
M10	6 35	14 54	2 15	3 42	2 55	16 39	1 13	0 35	0 19	23 39	0 22	15 32	2 21	10 32	0 24	13 49	1 50	21 36	17 50	20 14	20 33	19 46		n.a.
T 11	6 12	10 25	3 23	4 10	2 44	16 17	1 15	0 53	0 18	23 38	0 22	15 33	2 21	10 33	0 24	13 49	1 50	21 36	17 50	20 15	20 34	19 45		n.a.
W12	5 49	5 20	4 16	4 39	2 31	15 55	1 16	1 10	0 18	23 38	0 22	15 35	2 21	10 34	0 23	13 48	1 50	21 37	17 50	20 16	20 35	19 44		n.a.
T 13	5 26	0 4	4 51	5 9	2 18	15 32	1 18	1 28	0 17	23 37	0 22	15 36	2 21	10 35	0 23	13 48	1 50	21 38	17 51	20 18	20 35	19 43		n.a.
F 14	5 3	5s 5	5 7	5 39	2 3	15 9	1 19	1 46	0 16	23 36	0 22	15 37	2 21	10 36	0 23	13 48	1 50	21 38	17 51	20 20	20 36	19 43		n.a.
S 15	4 40	9 48	5 5	6 9	1 48	14 46	1 20	2 4	0 16	23 36	0 23	15 39	2 21	10 38	0 23	13 48	1 50	21 39	17 51	20 21	20 37	19 42		n.a.
S 16	4 17	13 54	4 47	6 38	1 32	14 22	1 22	2 21	0 15	23 35	0 23	15 40	2 21	10 39	0 23	13 47	1 50	21 40	17 51	20 22	20 37	19 41		n.a.
M17	3 54	17 13	4 14	7 6	1 16	13 57	1 23	2 39	0 14	23 34	0 23	15 41	2 21	10 40	0 23	13 47	1 50	21 40	17 50	20 23	20 38	19 40		n.a.
T 18	3 30	19 39	3 30	7 32	1 0	13 33	1 24	2 57	0 14	23 34	0 23	15 43	2 20	10 41	0 23	13 47	1 50	21 41	17 50	20 23	20 39	19 39		n.a.
W19	3 7	21 7	2 38	7 57	0 44	13 8	1 25	3 14	0 13	23 33	0 23	15 44	2 20	10 42	0 23	13 46	1 50	21 42	17 50	20 23	20 39	19 39		n.a.
T 20	2 44	21 36	1 40	8 20	0 28	12 42	1 26	3 32	0 12	23 32	0 24	15 45	2 20	10 43	0 23	13 46	1 50	21 42	17 50	20 23	20 40	19 38		n.a.
F 21	2 20	21 7	0 38	8 41	0 12	12 17	1 27	3 49	0 12	23 32	0 24	15 46	2 20	10 44	0 23	13 46	1 50	21 43	17 50	20 23	20 41	19 37		n.a.
S 22	1 57	19 41	0s26	9 0	0s 4	11 51	1 27	4 7	0 11	23 31	0 24	15 48	2 20	10 45	0 23	13 45	1 50	21 44	17 50	20 23	20 41	19 36		n.a.
S 23	1 34	17 25	1 28	9 17	0 19	11 24	1 28	4 24	0 11	23 30	0 24	15 49	2 20	10 46	0 23	13 45	1 51	21 44	17 50	20 23	20 42	19 35		n.a.
M24	1 10	14 22	2 27	9 31	0 33	10 58	1 29	4 42	0 10	23 30	0 24	15 50	2 20	10 47	0 23	13 45	1 51	21 45	17 50	20 24	20 43	19 34		n.a.
T 25	0 47	10 42	3 20	9 42	0 47	10 31	1 29	4 59	0 9	23 29	0 24	15 51	2 20	10 48	0 23	13 44	1 51	21 45	17 50	20 25	20 43	19 34		n.a.
W26	0 23	6 32	4 4	9 52	1 0	10 4	1 30	5 16	0 9	23 28	0 25	15 52	2 20	10 50	0 23	13 44	1 51	21 46	17 50	20 27	20 44	19 33		n.a.
T 27	0n 0	2 3	4 37	9 59	1 13	9 36	1 30	5 33	0 8	23 28	0 25	15 53	2 20	10 51	0 23	13 44	1 51	21 46	17 50	20 29	20 45	19 32		n.a.
F 28	0 24	2n37	4 58	10 3	1 25	9 8	1 31	5 50	0 7	23 27	0 25	15 54	2 20	10 52	0 23	13 43	1 51	21 47	17 50	20 31	20 45	19 31		n.a.
S 29	0 47	7 14	5 4	10 5	1 36	8 40	1 31	6 7	0 7	23 27	0 25	15 55	2 20	10 53	0 23	13 43	1 51	21 47	17 49	20 34	20 46	19 30		n.a.
S 30	1 10	11 36	4 54	10 5	1 47	8 12	1 31	6 24	0 6	23 26	0 25	15 56	2 19	10 54	0 23	13 42	1 51	21 48	17 49	20 36	20 46	19 29		n.a.
M31	1n34	15n29	4s28	10s 2	1s56	7s44	1s31	6n41	0s 5	23s25	0s26	15n57	2n19	10n55	0s23	13s42	1n51	21n48	17n49	20n37	20n47	19s28		n.a.

Julian Day Number = 1540683.5, Delta T = 04h37m55s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'25, Lahiri = -10°47'24 Julian Calendar 1 March 495 BCE == Greg. Calendar 24 Feb. 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

APRIL 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 12 37	4♈50'44	10♊52	9♓44	15♓20	17♈44	14♑11	23°R45	29♈ 7	11°R24	16°R11	28°R58	28♋11	7♒24	n.a.	T 1
W 2	12 16 34	5°48'42	24°34	10°22	16°34	18°25	14°18	23♌42	29°10	11♏23	16♍ 9	28♋55	28° 8	7°31	n.a.	W 2
T 3	12 20 30	6°46'39	8♋27	11° 4	17°47	19° 7	14°25	23°40	29°14	11°21	16° 8	28°D55	28° 5	7°38	n.a.	T 3
F 4	12 24 27	7°44'33	22°33	11°50	19° 0	19°49	14°32	23°37	29°17	11°20	16° 6	28°R55	28° 2	7°44	n.a.	F 4
S 5	12 28 23	8°42'26	6♌50	12°40	20°13	20°31	14°39	23°34	29°20	11°19	16° 5	28°55	27°58	7°51	n.a.	S 5
S 6	12 32 20	9°40'17	21°17	13°32	21°27	21°13	14°45	23°32	29°23	11°17	16° 3	28°53	27°55	7°58	n.a.	S 6
M 7	12 36 17	10°38'06	5♍51	14°28	22°40	21°54	14°51	23°29	29°27	11°16	16° 2	28°49	27°52	8° 4	n.a.	M 7
T 8	12 40 13	11°35'52	20°25	15°27	23°53	22°36	14°57	23°27	29°30	11°15	16° 0	28°42	27°49	8°11	n.a.	T 8
W 9	12 44 10	12°33'38	4♎55	16°29	25° 7	23°18	15° 3	23°25	29°34	11°13	15°59	28°33	27°46	8°18	n.a.	W 9
T 10	12 48 6	13°31'21	19°12	17°34	26°20	23°59	15° 9	23°23	29°37	11°12	15°57	28°22	27°42	8°24	n.a.	T 10
F 11	12 52 3	14°29'03	3♏12	18°42	27°33	24°41	15°15	23°20	29°40	11°11	15°56	28°11	27°39	8°31	n.a.	F 11
S 12	12 55 59	15°26'44	16°50	19°52	28°46	25°22	15°20	23°18	29°44	11° 9	15°54	28° 1	27°36	8°37	n.a.	S 12
S 13	12 59 56	16°24'24	0♐ 3	21° 6	29°59	26° 4	15°25	23°17	29°47	11° 8	15°53	27°52	27°33	8°44	n.a.	S 13
M14	13 3 52	17°22'02	12°52	22°21	1♈13	26°45	15°31	23°15	29°51	11° 6	15°52	27°45	27°30	8°51	n.a.	M14
T 15	13 7 49	18°19'39	25°20	23°40	2°26	27°27	15°36	23°13	29°54	11° 5	15°50	27°41	27°27	8°57	n.a.	T 15
W16	13 11 45	19°17'15	7♑31	25° 0	3°40	28° 8	15°40	23°11	29°58	11° 4	15°49	27°39	27°23	9° 4	n.a.	W16
T 17	13 15 42	20°14'50	19°28	26°24	4°53	28°49	15°45	23°10	0♉ 1	11° 2	15°48	27°D39	27°20	9°11	n.a.	T 17
F 18	13 19 39	21°12'24	1♒18	27°49	6° 6	29°30	15°50	23° 8	0° 4	11° 1	15°46	27°R39	27°17	9°17	n.a.	F 18
S 19	13 23 35	22° 9'57	13° 6	29°17	7°20	0♉12	15°54	23° 7	0° 8	10°59	15°45	27°38	27°14	9°24	n.a.	S 19
S 20	13 27 32	23° 7'28	24°57	0♈48	8°33	0°53	15°58	23° 6	0°11	10°58	15°44	27°36	27°11	9°31	n.a.	S 20
M21	13 31 28	24° 4'59	6♓56	2°20	9°46	1°34	16° 2	23° 5	0°15	10°56	15°43	27°31	27° 8	9°37	n.a.	M21
T 22	13 35 25	25° 2'29	19° 7	3°55	11° 0	2°15	16° 6	23° 4	0°18	10°54	15°41	27°24	27° 4	9°44	n.a.	T 22
W23	13 39 21	25°59'57	1♈33	5°33	12°13	2°56	16° 9	23° 3	0°22	10°53	15°40	27°14	27° 1	9°51	n.a.	W23
T 24	13 43 18	26°57'24	14°15	7°12	13°26	3°37	16°13	23° 2	0°25	10°51	15°39	27° 2	26°58	9°57	n.a.	T 24
F 25	13 47 14	27°54'51	27°14	8°54	14°40	4°18	16°16	23° 1	0°29	10°50	15°38	26°50	26°55	10° 4	n.a.	F 25
S 26	13 51 11	28°52'16	10♉29	10°39	15°53	4°59	16°19	23° 1	0°32	10°48	15°37	26°37	26°52	10°11	n.a.	S 26
S 27	13 55 8	29°49'40	23°57	12°25	17° 6	5°40	16°22	23° 0	0°36	10°47	15°36	26°26	26°48	10°17	n.a.	S 27
M28	13 59 4	0♉47'04	7♊36	14°14	18°20	6°20	16°25	23° 0	0°39	10°45	15°35	26°17	26°45	10°24	n.a.	M28
T 29	14 3 1	1°44'25	21°25	16° 5	19°33	7° 1	16°27	22°59	0°43	10°44	15°33	26°12	26°42	10°30	n.a.	T 29
W30	14 6 57	2♉41'46	5♋20	17♈58	20♈46	7♉42	16♑29	22♌59	0♉46	10♏42	15♍32	26♋ 8	26♋39	10♒37	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n57	18n38	3s47	9s57	2s 5	7s15	1s31	6n58	0s 5	23s25	0s26	15n58	2n19	10n57	0s23	13s42	1n51	21n49	17n49	20n38	20n48	19s28		n.a.
W 2	2 20	20 46	2 52	9 50	2 13	6 46	1 32	7 15	0 4	23 24	0 26	15 59	2 19	10 58	0 23	13 41	1 51	21 49	17 49	20 39	20 48	19 27		n.a.
T 3	2 43	21 42	1 47	9 40	2 21	6 17	1 31	7 32	0 4	23 24	0 26	15 59	2 19	10 59	0 23	13 41	1 51	21 50	17 49	20 39	20 49	19 26		n.a.
F 4	3 7	21 17	0 34	9 29	2 27	5 48	1 31	7 48	0 3	23 23	0 26	16 0	2 19	11 0	0 23	13 40	1 51	21 50	17 48	20 39	20 50	19 25		n.a.
S 5	3 30	19 29	0n42	9 15	2 33	5 19	1 31	8 5	0 2	23 23	0 27	16 1	2 19	11 1	0 23	13 40	1 51	21 51	17 48	20 39	20 50	19 24		n.a.
S 6	3 53	16 25	1 56	8 59	2 39	4 50	1 31	8 21	0 2	23 22	0 27	16 2	2 19	11 3	0 23	13 39	1 51	21 51	17 48	20 39	20 51	19 23		n.a.
M 7	4 16	12 19	3 3	8 42	2 43	4 20	1 31	8 38	0 1	23 22	0 27	16 2	2 18	11 4	0 23	13 39	1 51	21 51	17 48	20 40	20 52	19 22		n.a.
T 8	4 39	7 29	3 58	8 22	2 47	3 50	1 30	8 54	0 1	23 21	0 27	16 3	2 18	11 5	0 23	13 39	1 51	21 52	17 47	20 41	20 52	19 21		n.a.
W 9	5 2	2 15	4 37	8 0	2 50	3 20	1 30	9 10	0n 0	23 21	0 27	16 4	2 18	11 6	0 23	13 38	1 51	21 52	17 47	20 43	20 53	19 20		n.a.
T 10	5 24	3s 2	4 58	7 37	2 52	2 50	1 29	9 26	0 1	23 20	0 28	16 4	2 18	11 7	0 23	13 38	1 51	21 53	17 47	20 45	20 54	19 19		n.a.
F 11	5 47	8 2	5 1	7 11	2 54	2 20	1 29	9 42	0 1	23 20	0 28	16 5	2 18	11 9	0 23	13 37	1 51	21 53	17 47	20 48	20 54	19 19		n.a.
S 12	6 10	12 31	4 46	6 44	2 55	1 50	1 28	9 58	0 2	23 19	0 28	16 5	2 18	11 10	0 23	13 37	1 51	21 53	17 46	20 50	20 55	19 18		n.a.
S 13	6 32	16 15	4 16	6 15	2 55	1 20	1 28	10 14	0 3	23 19	0 28	16 6	2 18	11 11	0 23	13 36	1 51	21 53	17 46	20 52	20 55	19 17		n.a.
M14	6 54	19 6	3 34	5 45	2 55	0 50	1 27	10 30	0 3	23 19	0 29	16 6	2 17	11 12	0 23	13 36	1 51	21 54	17 46	20 53	20 56	19 16		n.a.
T 15	7 17	20 58	2 42	5 12	2 54	0 20	1 26	10 45	0 4	23 18	0 29	16 7	2 17	11 14	0 23	13 35	1 51	21 54	17 45	20 54	20 57	19 15		n.a.
W16	7 39	21 48	1 45	4 39	2 53	0n10	1 25	11 1	0 4	23 18	0 29	16 7	2 17	11 15	0 23	13 35	1 51	21 54	17 45	20 54	20 57	19 14		n.a.
T 17	8 1	21 36	0 43	4 3	2 50	0 41	1 24	11 16	0 5	23 18	0 29	16 8	2 17	11 16	0 23	13 34	1 51	21 54	17 45	20 54	20 58	19 13		n.a.
F 18	8 23	20 27	0s19	3 26	2 48	1 11	1 23	11 32	0 6	23 17	0 29	16 8	2 17	11 17	0 23	13 34	1 51	21 55	17 44	20 54	20 59	19 12		n.a.
S 19	8 44	18 24	1 21	2 47	2 44	1 41	1 22	11 47	0 6	23 17	0 30	16 8	2 17	11 19	0 23	13 33	1 51	21 55	17 44	20 54	20 59	19 11		n.a.
S 20	9 6	15 34	2 19	2 7	2 40	2 12	1 21	12 2	0 7	23 17	0 30	16 9	2 17	11 20	0 23	13 33	1 51	21 55	17 44	20 55	21 0	19 10		n.a.
M21	9 28	12 3	3 12	1 26	2 35	2 42	1 20	12 17	0 7	23 17	0 30	16 9	2 16	11 21	0 23	13 32	1 51	21 55	17 43	20 56	21 1	19 9		n.a.
T 22	9 49	7 59	3 57	0 43	2 30	3 12	1 19	12 32	0 8	23 16	0 30	16 9	2 16	11 22	0 23	13 32	1 51	21 55	17 43	20 57	21 1	19 8		n.a.
W23	10 10	3 31	4 31	0n 1	2 25	3 42	1 17	12 47	0 9	23 16	0 31	16 9	2 16	11 24	0 23	13 31	1 51	21 56	17 43	20 59	21 2	19 7		n.a.
T 24	10 31	1n12	4 53	0 47	2 18	4 12	1 16	13 2	0 9	23 16	0 31	16 9	2 16	11 25	0 23	13 31	1 51	21 56	17 42	21 2	21 2	19 6		n.a.
F 25	10 52	5 57	5 0	1 34	2 12	4 42	1 15	13 16	0 10	23 16	0 31	16 9	2 16	11 26	0 23	13 30	1 51	21 56	17 42	21 4	21 3	19 5		n.a.
S 26	11 13	10 33	4 52	2 22	2 4	5 12	1 13	13 31	0 10	23 16	0 31	16 9	2 16	11 27	0 23	13 30	1 51	21 56	17 41	21 6	21 4	19 4		n.a.
S 27	11 33	14 42	4 27	3 11	1 56	5 42	1 12	13 45	0 11	23 15	0 31	16 9	2 15	11 29	0 23	13 29	1 51	21 56	17 41	21 9	21 4	19 3		n.a.
M28	11 54	18 8	3 47	4 1	1 48	6 12	1 10	13 59	0 11	23 15	0 32	16 9	2 15	11 30	0 23	13 29	1 51	21 56	17 41	21 10	21 5	19 2		n.a.
T 29	12 14	20 36	2 53	4 53	1 40	6 41	1 9	14 14	0 12	23 15	0 32	16 9	2 15	11 31	0 23	13 28	1 51	21 56	17 40	21 11	21 5	19 1		n.a.
W30	12n34	21n51	1s48	5n45	1s30	7n11	1s 7	14n28	0n13	23s15	0s32	16n 9	2n15	11n32	0s23	13s28	1n51	21n56	17n40	21n12	21n 6	19s 0		n.a.

Julian Day Number = 1540714.5, Delta T = 04h37m53s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'21, Lahiri = -10°47'20 Julian Calendar 1 Apr. 495 BCE == Greg. Calendar 27 March 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

MAY 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 10 54	3♉39'06	19♋20	19♈54	22♈ 0	8♉23	16♊32	22°R59	0♉50	10°R40	15°R31	26°R 7	26♋36	10♒44	n.a.	T 1
F 2	14 14 50	4°36'24	3♌25	21°52	23°13	9° 3	16°34	22°D59	0°53	10♏39	15♍31	26♋ 7	26°33	10°50	n.a.	F 2
S 3	14 18 47	5°33'41	17°34	23°51	24°27	9°44	16°35	22♌59	0°57	10°37	15°30	26° 7	26°29	10°57	n.a.	S 3
S 4	14 22 43	6°30'57	1♍45	25°53	25°40	10°24	16°37	22°59	1° 0	10°35	15°29	26° 5	26°26	11° 4	n.a.	S 4
M 5	14 26 40	7°28'11	15°57	27°57	26°53	11° 5	16°38	22°59	1° 4	10°34	15°28	26° 1	26°23	11°10	n.a.	M 5
T 6	14 30 37	8°25'25	0♎ 6	0♉ 2	28° 7	11°45	16°39	23° 0	1° 7	10°32	15°27	25°54	26°20	11°17	n.a.	T 6
W 7	14 34 33	9°22'38	14°10	2° 9	29°20	12°26	16°40	23° 0	1°11	10°31	15°26	25°45	26°17	11°24	n.a.	W 7
T 8	14 38 30	10°19'49	28° 4	4°17	0♉34	13° 6	16°41	23° 1	1°14	10°29	15°25	25°34	26°14	11°30	n.a.	T 8
F 9	14 42 26	11°17'00	11♏44	6°26	1°47	13°47	16°42	23° 1	1°18	10°27	15°25	25°23	26°10	11°37	n.a.	F 9
S 10	14 46 23	12°14'11	25° 6	8°37	3° 0	14°27	16°42	23° 2	1°21	10°26	15°24	25°12	26° 7	11°44	n.a.	S 10
S 11	14 50 19	13°11'21	8♐ 8	10°48	4°14	15° 7	16°43	23° 3	1°25	10°24	15°23	25° 3	26° 4	11°50	n.a.	S 11
M12	14 54 16	14° 8'30	20°51	12°59	5°27	15°47	16°R43	23° 4	1°28	10°23	15°22	24°56	26° 1	11°57	n.a.	M12
T 13	14 58 13	15° 5'39	3♑15	15°11	6°41	16°28	16°43	23° 5	1°31	10°21	15°22	24°52	25°58	12° 4	n.a.	T 13
W14	15 2 9	16° 2'48	15°24	17°22	7°54	17° 8	16°42	23° 6	1°35	10°19	15°21	24°50	25°54	12°10	n.a.	W14
T 15	15 6 6	16°59'56	27°21	19°33	9° 8	17°48	16°42	23° 7	1°38	10°18	15°21	24°D49	25°51	12°17	n.a.	T 15
F 16	15 10 2	17°57'04	9♒12	21°44	10°21	18°28	16°41	23° 9	1°42	10°16	15°20	24°50	25°48	12°24	n.a.	F 16
S 17	15 13 59	18°54'12	21° 1	23°53	11°35	19° 8	16°40	23°10	1°45	10°15	15°20	24°R50	25°45	12°30	n.a.	S 17
S 18	15 17 55	19°51'20	2♓54	26° 2	12°48	19°48	16°39	23°12	1°48	10°13	15°19	24°49	25°42	12°37	n.a.	S 18
M19	15 21 52	20°48'28	14°56	28° 9	14° 2	20°28	16°38	23°13	1°52	10°11	15°19	24°46	25°39	12°43	n.a.	M19
T 20	15 25 48	21°45'35	27°11	0♊15	15°15	21° 8	16°36	23°15	1°55	10°10	15°18	24°41	25°35	12°50	n.a.	T 20
W21	15 29 45	22°42'43	9♈44	2°19	16°29	21°48	16°35	23°17	1°59	10° 8	15°18	24°34	25°32	12°57	n.a.	W21
T 22	15 33 42	23°39'50	22°37	4°21	17°42	22°28	16°33	23°19	2° 2	10° 7	15°17	24°25	25°29	13° 3	n.a.	T 22
F 23	15 37 38	24°36'57	5♉51	6°22	18°56	23° 8	16°31	23°21	2° 5	10° 5	15°17	24°15	25°26	13°10	n.a.	F 23
S 24	15 41 35	25°34'04	19°24	8°21	20°10	23°48	16°28	23°23	2° 8	10° 4	15°17	24° 5	25°23	13°17	n.a.	S 24
S 25	15 45 31	26°31'12	3♊15	10°17	21°23	24°28	16°26	23°25	2°12	10° 2	15°17	23°57	25°19	13°23	n.a.	S 25
M26	15 49 28	27°28'19	17°19	12°12	22°37	25° 7	16°23	23°28	2°15	10° 0	15°16	23°50	25°16	13°30	n.a.	M26
T 27	15 53 24	28°25'25	1♋32	14° 4	23°50	25°47	16°21	23°30	2°18	9°59	15°16	23°46	25°13	13°37	n.a.	T 27
W28	15 57 21	29°22'32	15°49	15°55	25° 4	26°27	16°18	23°32	2°21	9°57	15°16	23°44	25°10	13°43	n.a.	W28
T 29	16 1 17	0♊19'38	0♌ 7	17°43	26°18	27° 6	16°15	23°35	2°25	9°56	15°16	23°D44	25° 7	13°50	n.a.	T 29
F 30	16 5 14	1°16'44	14°23	19°30	27°31	27°46	16°11	23°38	2°28	9°54	15°16	23°45	25° 4	13°57	n.a.	F 30
S 31	16 9 11	2♊13'50	28♌34	21♊14	28♉45	28♉26	16♊ 8	23♌40	2♉31	9♏53	15♍16	23°R46	25♋ 0	14♒ 3	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12n54	21n45	0s36	6n38	1s21	7n40	1s 5	14n41	0n13	23s15	0s32	16n 9	2n15	11n34	0s23	13s27	1n51	21n56	17n39	21n12	21n 7	18s59			n.a.
F 2	13 13	20 16	0n39	7 32	1 11	8 9	1 4	14 55	0 14	23 15	0 33	16 9	2 15	11 35	0 23	13 27	1 51	21 56	17 39	21 12	21 7	18 58			n.a.
S 3	13 33	17 32	1 51	8 26	1 1	8 38	1 2	15 9	0 14	23 15	0 33	16 9	2 14	11 36	0 23	13 26	1 51	21 56	17 38	21 12	21 8	18 57			n.a.
S 4	13 52	13 44	2 57	9 20	0 51	9 7	1 0	15 22	0 15	23 15	0 33	16 9	2 14	11 37	0 23	13 26	1 51	21 56	17 38	21 13	21 9	18 56			n.a.
M 5	14 11	9 10	3 52	10 15	0 40	9 36	0 58	15 36	0 16	23 15	0 33	16 8	2 14	11 38	0 23	13 25	1 51	21 56	17 37	21 13	21 9	18 55			n.a.
T 6	14 30	4 6	4 32	11 10	0 30	10 4	0 56	15 49	0 16	23 15	0 34	16 8	2 14	11 40	0 23	13 25	1 51	21 56	17 37	21 15	21 10	18 54			n.a.
W 7	14 48	1s 8	4 55	12 5	0 19	10 32	0 54	16 2	0 17	23 15	0 34	16 8	2 14	11 41	0 23	13 24	1 51	21 56	17 37	21 16	21 10	18 53			n.a.
T 8	15 7	6 14	5 1	12 59	0 8	11 0	0 52	16 15	0 17	23 16	0 34	16 7	2 13	11 42	0 23	13 24	1 51	21 56	17 36	21 18	21 11	18 52			n.a.
F 9	15 25	10 58	4 50	13 53	0n 3	11 28	0 50	16 28	0 18	23 16	0 34	16 7	2 13	11 43	0 23	13 23	1 51	21 55	17 36	21 21	21 12	18 51			n.a.
S 10	15 43	15 3	4 22	14 46	0 13	11 55	0 48	16 41	0 18	23 16	0 35	16 7	2 13	11 45	0 23	13 23	1 51	21 55	17 35	21 23	21 12	18 50			n.a.
S 11	16 0	18 19	3 41	15 38	0 24	12 22	0 46	16 53	0 19	23 16	0 35	16 6	2 13	11 46	0 23	13 22	1 51	21 55	17 35	21 24	21 13	18 49			n.a.
M12	16 18	20 36	2 50	16 29	0 34	12 49	0 44	17 6	0 20	23 16	0 35	16 6	2 13	11 47	0 23	13 22	1 51	21 55	17 34	21 25	21 13	18 47			n.a.
T 13	16 35	21 51	1 52	17 18	0 44	13 16	0 42	17 18	0 20	23 17	0 35	16 5	2 13	11 48	0 23	13 21	1 51	21 55	17 34	21 26	21 14	18 46			n.a.
W14	16 51	22 1	0 50	18 5	0 53	13 42	0 40	17 30	0 21	23 17	0 36	16 5	2 12	11 49	0 23	13 21	1 51	21 54	17 33	21 27	21 15	18 45			n.a.
T 15	17 8	21 11	0s14	18 51	1 2	14 8	0 38	17 42	0 21	23 17	0 36	16 4	2 12	11 51	0 23	13 20	1 51	21 54	17 33	21 27	21 15	18 44			n.a.
F 16	17 24	19 25	1 16	19 34	1 10	14 33	0 36	17 54	0 22	23 18	0 36	16 3	2 12	11 52	0 23	13 20	1 51	21 54	17 32	21 27	21 16	18 43			n.a.
S 17	17 40	16 49	2 15	20 15	1 18	14 58	0 34	18 6	0 22	23 18	0 36	16 3	2 12	11 53	0 23	13 19	1 51	21 54	17 32	21 27	21 16	18 42			n.a.
S 18	17 56	13 30	3 9	20 54	1 25	15 23	0 31	18 17	0 23	23 18	0 37	16 2	2 12	11 54	0 23	13 19	1 51	21 53	17 31	21 27	21 17	18 41			n.a.
M19	18 11	9 36	3 55	21 30	1 32	15 48	0 29	18 29	0 23	23 19	0 37	16 1	2 12	11 55	0 23	13 18	1 51	21 53	17 30	21 27	21 18	18 40			n.a.
T 20	18 27	5 16	4 31	22 4	1 38	16 12	0 27	18 40	0 24	23 19	0 37	16 1	2 11	11 57	0 23	13 18	1 51	21 53	17 30	21 28	21 18	18 39			n.a.
W21	18 41	0 36	4 55	22 35	1 43	16 36	0 24	18 51	0 24	23 20	0 37	16 0	2 11	11 58	0 23	13 17	1 51	21 53	17 29	21 29	21 19	18 38			n.a.
T 22	18 56	4n13	5 4	23 4	1 48	16 59	0 22	19 2	0 25	23 20	0 38	15 59	2 11	11 59	0 23	13 17	1 51	21 52	17 29	21 31	21 19	18 36			n.a.
F 23	19 10	8 57	4 58	23 29	1 52	17 22	0 20	19 13	0 26	23 21	0 38	15 58	2 11	12 0	0 23	13 17	1 51	21 52	17 28	21 33	21 20	18 35			n.a.
S 24	19 24	13 23	4 36	23 53	1 55	17 44	0 17	19 23	0 26	23 21	0 38	15 57	2 11	12 1	0 23	13 16	1 51	21 51	17 28	21 35	21 21	18 34			n.a.
S 25	19 38	17 13	3 57	24 13	1 58	18 6	0 15	19 34	0 27	23 22	0 38	15 56	2 10	12 2	0 23	13 16	1 51	21 51	17 27	21 36	21 21	18 33			n.a.
M26	19 51	20 7	3 2	24 31	1 59	18 28	0 13	19 44	0 27	23 22	0 39	15 55	2 10	12 3	0 23	13 15	1 51	21 51	17 27	21 37	21 22	18 32			n.a.
T 27	20 4	21 48	1 56	24 47	2 0	18 49	0 10	19 54	0 28	23 23	0 39	15 54	2 10	12 5	0 23	13 15	1 51	21 50	17 26	21 38	21 22	18 31			n.a.
W28	20 17	22 6	0 42	25 0	2 1	19 9	0 8	20 4	0 28	23 23	0 39	15 53	2 10	12 6	0 23	13 14	1 51	21 50	17 26	21 38	21 23	18 30			n.a.
T 29	20 29	20 57	0n34	25 11	2 1	19 29	0 6	20 14	0 29	23 24	0 39	15 52	2 10	12 7	0 23	13 14	1 51	21 49	17 25	21 38	21 23	18 28			n.a.
F 30	20 41	18 28	1 49	25 19	2 0	19 49	0 3	20 24	0 29	23 25	0 39	15 51	2 10	12 8	0 23	13 13	1 51	21 49	17 24	21 38	21 24	18 27			n.a.
S 31	20n53	14n52	2n56	25n26	1n58	20n 8	0s 1	20n33	0n30	23s25	0s40	15n50	2n 9	12n 9	0s23	13s13	1n51	21n48	17n24	21n38	21n25	18s26			n.a.

Julian Day Number = 1540744.5, Delta T = 04h37m52s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'17, Lahiri = -10°47'16 Julian Calendar 1 May 495 BCE == Greg. Calendar 26 Apr. 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

JUNE 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 13 7	3♊10'56	12♍40	22♊56	29♉59	29♉ 5	16°R 4	23♌43	2♉34	9°R52	15°D16	23°R45	24♋57	14♒10	n.a.	S 1
M 2	16 17 4	4° 8'01	26°38	24°36	1♊12	29°45	16♂ 0	23°46	2°37	9♏50	15♍16	23♋43	24°54	14°17	n.a.	M 2
T 3	16 21 0	5° 5'06	10♎27	26°14	2°26	0♊24	15°56	23°49	2°40	9°49	15°16	23°39	24°51	14°23	n.a.	T 3
W 4	16 24 57	6° 2'11	24° 7	27°49	3°40	1° 4	15°52	23°52	2°43	9°47	15°16	23°33	24°48	14°30	n.a.	W 4
T 5	16 28 53	6°59'16	7♏35	29°23	4°53	1°43	15°48	23°56	2°46	9°46	15°16	23°26	24°45	14°37	n.a.	T 5
F 6	16 32 50	7°56'21	20°51	0♋54	6° 7	2°23	15°43	23°59	2°49	9°44	15°16	23°18	24°41	14°43	n.a.	F 6
S 7	16 36 46	8°53'26	3♐51	2°24	7°21	3° 2	15°38	24° 2	2°52	9°43	15°16	23°11	24°38	14°50	n.a.	S 7
S 8	16 40 43	9°50'32	16°36	3°51	8°35	3°41	15°34	24° 6	2°55	9°42	15°16	23° 5	24°35	14°57	n.a.	S 8
M 9	16 44 40	10°47'38	29° 6	5°16	9°48	4°21	15°29	24° 9	2°58	9°40	15°17	23° 0	24°32	15° 3	n.a.	M 9
T 10	16 48 36	11°44'44	11♑22	6°38	11° 2	5° 0	15°23	24°13	3° 1	9°39	15°17	22°58	24°29	15°10	n.a.	T 10
W11	16 52 33	12°41'52	23°26	7°59	12°16	5°39	15°18	24°17	3° 4	9°38	15°17	22°D57	24°25	15°17	n.a.	W11
T 12	16 56 29	13°38'59	5♒21	9°17	13°30	6°18	15°13	24°21	3° 7	9°37	15°18	22°58	24°22	15°23	n.a.	T 12
F 13	17 0 26	14°36'08	17°11	10°32	14°43	6°58	15° 7	24°24	3°10	9°35	15°18	22°59	24°19	15°30	n.a.	F 13
S 14	17 4 22	15°33'17	29° 0	11°45	15°57	7°37	15° 1	24°28	3°13	9°34	15°18	23° 1	24°16	15°36	n.a.	S 14
S 15	17 8 19	16°30'26	10♓53	12°56	17°11	8°16	14°55	24°32	3°15	9°33	15°19	23° 2	24°13	15°43	n.a.	S 15
M16	17 12 16	17°27'37	22°55	14° 4	18°25	8°55	14°49	24°37	3°18	9°32	15°19	23°R 2	24°10	15°50	n.a.	M16
T 17	17 16 12	18°24'48	5♈11	15°10	19°39	9°34	14°43	24°41	3°21	9°30	15°20	23° 1	24° 6	15°56	n.a.	T 17
W18	17 20 9	19°22'01	17°46	16°13	20°53	10°13	14°37	24°45	3°24	9°29	15°20	22°58	24° 3	16° 3	n.a.	W18
T 19	17 24 5	20°19'14	0♉42	17°12	22° 7	10°52	14°31	24°49	3°26	9°28	15°21	22°54	24° 0	16°10	n.a.	T 19
F 20	17 28 2	21°16'28	14° 2	18° 9	23°21	11°31	14°24	24°54	3°29	9°27	15°22	22°49	23°57	16°16	n.a.	F 20
S 21	17 31 58	22°13'43	27°46	19° 3	24°35	12°10	14°17	24°58	3°31	9°26	15°22	22°45	23°54	16°23	n.a.	S 21
S 22	17 35 55	23°11'00	11♊52	19°54	25°49	12°49	14°11	25° 3	3°34	9°25	15°23	22°41	23°51	16°30	n.a.	S 22
M23	17 39 51	24° 8'17	26°17	20°41	27° 2	13°28	14° 4	25° 7	3°37	9°24	15°24	22°37	23°47	16°36	n.a.	M23
T 24	17 43 48	25° 5'35	10♋53	21°25	28°16	14° 7	13°57	25°12	3°39	9°23	15°24	22°36	23°44	16°43	n.a.	T 24
W25	17 47 45	26° 2'53	25°36	22° 6	29°30	14°46	13°50	25°17	3°41	9°22	15°25	22°D35	23°41	16°50	n.a.	W25
T 26	17 51 41	27° 0'13	10♌17	22°42	0♋44	15°25	13°43	25°22	3°44	9°21	15°26	22°36	23°38	16°56	n.a.	T 26
F 27	17 55 38	27°57'33	24°52	23°15	1°58	16° 3	13°36	25°27	3°46	9°20	15°27	22°37	23°35	17° 3	n.a.	F 27
S 28	17 59 34	28°54'53	9♍17	23°43	3°12	16°42	13°28	25°32	3°49	9°19	15°28	22°39	23°31	17°10	n.a.	S 28
S 29	18 3 31	29°52'15	23°27	24° 7	4°27	17°21	13°21	25°37	3°51	9°18	15°29	22°R39	23°28	17°16	n.a.	S 29
M30	18 7 27	0♋49'37	7♎22	24♋26	5♋41	18♊ 0	13♂13	25♌42	3♉53	9♏17	15♍30	22♋39	23♋25	17♒23	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 4	10n28	3n53	25n30	1n56	20n26	0n 1	20n43	0n30	23s26	0s40	15n49	2n 9	12n10	0s23	13s12	1n51	21n48	17n23	21n38	21n25	18s25		n.a.
M 2	21 15	5 33	4 34	25 32	1 53	20 44	0 4	20 52	0 31	23 27	0 40	15 48	2 9	12 11	0 23	13 12	1 51	21 47	17 23	21 38	21 26	18 24		n.a.
T 3	21 26	0 24	5 0	25 32	1 50	21 1	0 6	21 1	0 31	23 27	0 40	15 47	2 9	12 12	0 23	13 12	1 51	21 47	17 22	21 39	21 26	18 23		n.a.
W 4	21 36	4s43	5 8	25 30	1 46	21 18	0 9	21 10	0 32	23 28	0 41	15 46	2 9	12 13	0 23	13 11	1 51	21 46	17 22	21 40	21 27	18 21		n.a.
T 5	21 46	9 31	4 59	25 27	1 41	21 34	0 11	21 18	0 32	23 29	0 41	15 44	2 9	12 14	0 23	13 11	1 51	21 46	17 21	21 41	21 28	18 20		n.a.
F 6	21 55	13 48	4 33	25 21	1 36	21 50	0 13	21 27	0 33	23 30	0 41	15 43	2 8	12 15	0 23	13 10	1 51	21 45	17 20	21 43	21 28	18 19		n.a.
S 7	22 4	17 22	3 54	25 15	1 31	22 5	0 16	21 35	0 33	23 31	0 41	15 42	2 8	12 16	0 23	13 10	1 51	21 45	17 20	21 44	21 29	18 18		n.a.
S 8	22 13	20 1	3 4	25 6	1 25	22 19	0 18	21 43	0 34	23 31	0 42	15 40	2 8	12 17	0 23	13 10	1 51	21 44	17 19	21 45	21 29	18 17		n.a.
M 9	22 21	21 39	2 6	24 57	1 18	22 33	0 20	21 51	0 35	23 32	0 42	15 39	2 8	12 18	0 23	13 9	1 51	21 43	17 19	21 46	21 30	18 15		n.a.
T 10	22 29	22 13	1 3	24 46	1 11	22 46	0 22	21 59	0 35	23 33	0 42	15 38	2 8	12 19	0 23	13 9	1 51	21 43	17 18	21 46	21 30	18 14		n.a.
W11	22 37	21 44	0s 3	24 34	1 3	22 58	0 25	22 7	0 36	23 34	0 42	15 36	2 8	12 20	0 23	13 8	1 51	21 42	17 18	21 46	21 31	18 13		n.a.
T 12	22 44	20 16	1 7	24 20	0 55	23 10	0 27	22 14	0 36	23 35	0 43	15 35	2 8	12 21	0 23	13 8	1 51	21 41	17 17	21 46	21 32	18 12		n.a.
F 13	22 51	17 55	2 8	24 6	0 46	23 21	0 29	22 21	0 37	23 36	0 43	15 33	2 7	12 22	0 23	13 8	1 51	21 41	17 16	21 46	21 32	18 11		n.a.
S 14	22 58	14 50	3 4	23 51	0 37	23 31	0 31	22 29	0 37	23 36	0 43	15 32	2 7	12 23	0 23	13 7	1 51	21 40	17 16	21 46	21 33	18 9		n.a.
S 15	23 4	11 9	3 52	23 35	0 28	23 41	0 34	22 35	0 38	23 37	0 43	15 30	2 7	12 24	0 23	13 7	1 50	21 39	17 15	21 45	21 33	18 8		n.a.
M16	23 9	6 59	4 31	23 18	0 18	23 50	0 36	22 42	0 38	23 38	0 43	15 29	2 7	12 25	0 23	13 7	1 50	21 39	17 15	21 45	21 34	18 7		n.a.
T 17	23 14	2 27	4 58	23 0	0 8	23 58	0 38	22 49	0 39	23 39	0 44	15 27	2 7	12 26	0 23	13 6	1 50	21 38	17 14	21 46	21 34	18 6		n.a.
W18	23 19	2n16	5 11	22 43	0s 3	24 6	0 40	22 55	0 39	23 40	0 44	15 26	2 7	12 27	0 23	13 6	1 50	21 37	17 14	21 46	21 35	18 4		n.a.
T 19	23 24	7 2	5 10	22 24	0 14	24 13	0 42	23 1	0 40	23 41	0 44	15 24	2 6	12 28	0 23	13 6	1 50	21 36	17 13	21 47	21 35	18 3		n.a.
F 20	23 28	11 37	4 52	22 5	0 25	24 19	0 44	23 7	0 40	23 42	0 44	15 22	2 6	12 29	0 23	13 5	1 50	21 36	17 13	21 48	21 36	18 2		n.a.
S 21	23 31	15 46	4 16	21 46	0 37	24 25	0 46	23 13	0 41	23 43	0 45	15 21	2 6	12 30	0 23	13 5	1 50	21 35	17 12	21 48	21 37	18 1		n.a.
S 22	23 35	19 7	3 25	21 27	0 49	24 29	0 48	23 19	0 41	23 44	0 45	15 19	2 6	12 31	0 23	13 5	1 50	21 34	17 11	21 49	21 37	17 59		n.a.
M23	23 37	21 23	2 19	21 8	1 1	24 33	0 50	23 24	0 42	23 45	0 45	15 17	2 6	12 32	0 23	13 4	1 50	21 33	17 11	21 50	21 38	17 58		n.a.
T 24	23 40	22 14	1 4	20 49	1 14	24 37	0 52	23 29	0 42	23 46	0 45	15 16	2 6	12 32	0 23	13 4	1 50	21 33	17 10	21 50	21 38	17 57		n.a.
W25	23 42	21 34	0n17	20 30	1 26	24 39	0 54	23 34	0 42	23 47	0 45	15 14	2 6	12 33	0 23	13 4	1 50	21 32	17 10	21 50	21 39	17 56		n.a.
T 26	23 43	19 26	1 36	20 11	1 39	24 41	0 56	23 39	0 43	23 48	0 46	15 12	2 6	12 34	0 23	13 4	1 50	21 31	17 9	21 50	21 39	17 54		n.a.
F 27	23 44	16 2	2 48	19 53	1 52	24 42	0 58	23 44	0 43	23 49	0 46	15 10	2 5	12 35	0 23	13 3	1 50	21 30	17 9	21 50	21 40	17 53		n.a.
S 28	23 45	11 44	3 49	19 35	2 5	24 42	0 59	23 49	0 44	23 49	0 46	15 8	2 5	12 36	0 23	13 3	1 50	21 29	17 8	21 49	21 40	17 52		n.a.
S 29	23 45	6 50	4 35	19 18	2 18	24 42	1 1	23 53	0 44	23 50	0 46	15 7	2 5	12 36	0 23	13 3	1 50	21 28	17 8	21 49	21 41	17 50		n.a.
M30	23n45	1n41	5n 4	19n 2	2s32	24n40	1n 3	23n57	0n45	23s51	0s46	15n 5	2n 5	12n37	0s23	13s 3	1n50	21n27	17n 7	21n49	21n42	17s49		n.a.

Julian Day Number = 1540775.5, Delta T = 04h37m51s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'12, Lahiri = -10°47'12 Julian Calendar 1 June 495 BCE == Greg. Calendar 27 May 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

JULY 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 11 24	1♋46'59	21♎ 0	24♋41	6♋55	18♊38	13°R 6	25♌47	3♉55	9°R16	15♍31	22°R38	23♋22	17♒30	n.a.	T 1
W 2	18 15 20	2°44'23	4♏23	24°51	8° 9	19°17	12♑58	25°52	3°58	9♏16	15°32	22♋37	23°19	17°36	n.a.	W 2
T 3	18 19 17	3°41'47	17°31	24°R55	9°23	19°56	12°51	25°58	4° 0	9°15	15°33	22°34	23°16	17°43	n.a.	T 3
F 4	18 23 14	4°39'13	0♐24	24°55	10°37	20°34	12°43	26° 3	4° 2	9°14	15°34	22°32	23°12	17°50	n.a.	F 4
S 5	18 27 10	5°36'39	13° 3	24°49	11°51	21°13	12°35	26° 9	4° 4	9°13	15°35	22°29	23° 9	17°56	n.a.	S 5
S 6	18 31 7	6°34'07	25°30	24°38	13° 5	21°52	12°28	26°14	4° 6	9°13	15°36	22°27	23° 6	18° 3	n.a.	S 6
M 7	18 35 3	7°31'36	7♑45	24°22	14°19	22°30	12°20	26°20	4° 8	9°12	15°37	22°26	23° 3	18°10	n.a.	M 7
T 8	18 39 0	8°29'06	19°51	24° 0	15°33	23° 9	12°12	26°25	4°10	9°11	15°38	22°D25	23° 0	18°16	n.a.	T 8
W 9	18 42 56	9°26'37	1♒48	23°33	16°47	23°47	12° 4	26°31	4°12	9°11	15°39	22°26	22°57	18°23	n.a.	W 9
T 10	18 46 53	10°24'10	13°39	23° 1	18° 2	24°26	11°56	26°37	4°14	9°10	15°41	22°26	22°53	18°30	n.a.	T 10
F 11	18 50 50	11°21'44	25°28	22°25	19°16	25° 4	11°49	26°42	4°15	9°10	15°42	22°27	22°50	18°36	n.a.	F 11
S 12	18 54 46	12°19'20	7♓17	21°44	20°30	25°43	11°41	26°48	4°17	9° 9	15°43	22°28	22°47	18°43	n.a.	S 12
S 13	18 58 43	13°16'57	19°10	21° 0	21°44	26°21	11°33	26°54	4°19	9° 9	15°45	22°29	22°44	18°50	n.a.	S 13
M14	19 2 39	14°14'36	1♈12	20°12	22°58	27° 0	11°25	27° 0	4°21	9° 8	15°46	22°30	22°41	18°56	n.a.	M14
T 15	19 6 36	15°12'16	13°26	19°22	24°13	27°38	11°17	27° 6	4°22	9° 8	15°47	22°R30	22°37	19° 3	n.a.	T 15
W16	19 10 32	16° 9'59	25°58	18°31	25°27	28°16	11°10	27°12	4°24	9° 7	15°49	22°30	22°34	19°10	n.a.	W16
T 17	19 14 29	17° 7'43	8♉52	17°40	26°41	28°55	11° 2	27°18	4°25	9° 7	15°50	22°30	22°31	19°16	n.a.	T 17
F 18	19 18 25	18° 5'29	22°10	16°49	27°55	29°33	10°54	27°24	4°27	9° 7	15°52	22°29	22°28	19°23	n.a.	F 18
S 19	19 22 22	19° 3'17	5♊54	16° 0	29° 9	0♋11	10°46	27°31	4°28	9° 6	15°53	22°29	22°25	19°30	n.a.	S 19
S 20	19 26 18	20° 1'06	20° 4	15°13	0♌24	0°50	10°39	27°37	4°30	9° 6	15°55	22°28	22°22	19°36	n.a.	S 20
M21	19 30 15	20°58'58	4♋37	14°30	1°38	1°28	10°31	27°43	4°31	9° 6	15°56	22°28	22°18	19°43	n.a.	M21
T 22	19 34 12	21°56'51	19°28	13°52	2°52	2° 6	10°24	27°50	4°33	9° 6	15°58	22°D28	22°15	19°50	n.a.	T 22
W23	19 38 8	22°54'45	4♌29	13°19	4° 7	2°44	10°16	27°56	4°34	9° 5	16° 0	22°R28	22°12	19°56	n.a.	W23
T 24	19 42 5	23°52'42	19°33	12°52	5°21	3°22	10° 9	28° 2	4°35	9° 5	16° 1	22°28	22° 9	20° 3	n.a.	T 24
F 25	19 46 1	24°50'40	4♍30	12°32	6°35	4° 1	10° 1	28° 9	4°36	9° 5	16° 3	22°28	22° 6	20°10	n.a.	F 25
S 26	19 49 58	25°48'39	19°13	12°19	7°49	4°39	9°54	28°15	4°37	9° 5	16° 5	22°28	22° 3	20°16	n.a.	S 26
S 27	19 53 54	26°46'39	3♎36	12°D14	9° 4	5°17	9°47	28°22	4°38	9° 5	16° 6	22°27	21°59	20°23	n.a.	S 27
M28	19 57 51	27°44'42	17°37	12°17	10°18	5°55	9°40	28°28	4°39	9°D 5	16° 8	22°27	21°56	20°30	n.a.	M28
T 29	20 1 47	28°42'45	1♏15	12°29	11°32	6°33	9°33	28°35	4°40	9° 5	16°10	22°D27	21°53	20°36	n.a.	T 29
W30	20 5 44	29°40'50	14°31	12°49	12°47	7°11	9°26	28°42	4°41	9° 5	16°12	22°27	21°50	20°43	n.a.	W30
T 31	20 9 41	0♌38'57	27♏26	13♋17	14♌ 1	7♋49	9♑19	28♌48	4♉42	9♏ 5	16♍13	22♋28	21♋47	20♒50	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n45	3s26	5n15	18n46	2s45	24n38	1n 4	24n 1	0n45	23s52	0s47	15n 3	2n 5	12n38	0s23	13s 3	1n50	21n27	17n 6	21n49	21n42	17s48		n.a.	T 1
W 2	23 44	8 19	5 9	18 32	2 58	24 36	1 6	24 5	0 46	23 53	0 47	15 1	2 5	12 39	0 23	13 2	1 50	21 26	17 6	21 50	21 43	17 47		n.a.	W 2
T 3	23 42	12 42	4 46	18 18	3 10	24 32	1 7	24 8	0 46	23 54	0 47	14 59	2 5	12 39	0 23	13 2	1 50	21 25	17 5	21 50	21 43	17 45		n.a.	T 3
F 4	23 40	16 26	4 9	18 6	3 23	24 28	1 9	24 12	0 47	23 55	0 47	14 57	2 5	12 40	0 23	13 2	1 50	21 24	17 5	21 51	21 44	17 44		n.a.	F 4
S 5	23 38	19 21	3 21	17 56	3 34	24 23	1 10	24 15	0 47	23 56	0 47	14 55	2 4	12 41	0 23	13 2	1 49	21 23	17 4	21 51	21 44	17 43		n.a.	S 5
S 6	23 35	21 17	2 24	17 47	3 46	24 17	1 12	24 18	0 48	23 57	0 47	14 53	2 4	12 42	0 23	13 2	1 49	21 22	17 4	21 51	21 45	17 41		n.a.	S 6
M 7	23 32	22 11	1 20	17 39	3 56	24 11	1 13	24 20	0 48	23 58	0 48	14 51	2 4	12 42	0 23	13 1	1 49	21 21	17 3	21 52	21 45	17 40		n.a.	M 7
T 8	23 29	22 2	0 14	17 33	4 6	24 4	1 14	24 23	0 49	23 59	0 48	14 49	2 4	12 43	0 23	13 1	1 49	21 20	17 3	21 52	21 46	17 39		n.a.	T 8
W 9	23 25	20 52	0s52	17 29	4 15	23 56	1 15	24 25	0 49	24 0	0 48	14 47	2 4	12 44	0 23	13 1	1 49	21 19	17 2	21 52	21 46	17 37		n.a.	W 9
T 10	23 20	18 47	1 55	17 27	4 22	23 47	1 17	24 28	0 50	24 0	0 48	14 45	2 4	12 44	0 23	13 1	1 49	21 18	17 2	21 52	21 47	17 36		n.a.	T 10
F 11	23 16	15 55	2 53	17 27	4 29	23 38	1 18	24 30	0 50	24 1	0 48	14 43	2 4	12 45	0 23	13 1	1 49	21 17	17 1	21 51	21 48	17 35		n.a.	F 11
S 12	23 10	12 24	3 44	17 28	4 34	23 28	1 19	24 32	0 51	24 2	0 48	14 41	2 4	12 45	0 23	13 1	1 49	21 16	17 1	21 51	21 48	17 33		n.a.	S 12
S 13	23 5	8 24	4 26	17 32	4 37	23 17	1 20	24 33	0 51	24 3	0 48	14 38	2 4	12 46	0 23	13 1	1 49	21 15	17 0	21 51	21 49	17 32		n.a.	S 13
M14	22 59	4 2	4 56	17 37	4 39	23 6	1 21	24 35	0 51	24 4	0 49	14 36	2 4	12 46	0 23	13 1	1 49	21 14	17 0	21 51	21 49	17 30		n.a.	M14
T 15	22 52	0n34	5 14	17 45	4 38	22 53	1 21	24 36	0 52	24 5	0 49	14 34	2 4	12 47	0 23	13 1	1 49	21 13	16 59	21 51	21 50	17 29		n.a.	T 15
W16	22 46	5 15	5 17	17 54	4 36	22 41	1 22	24 37	0 52	24 5	0 49	14 32	2 3	12 48	0 23	13 0	1 49	21 12	16 59	21 51	21 50	17 28		n.a.	W16
T 17	22 38	9 50	5 5	18 4	4 32	22 27	1 23	24 38	0 53	24 6	0 49	14 30	2 3	12 48	0 23	13 0	1 49	21 11	16 58	21 51	21 51	17 26		n.a.	T 17
F 18	22 31	14 6	4 36	18 16	4 26	22 13	1 24	24 38	0 53	24 7	0 49	14 27	2 3	12 49	0 23	13 0	1 49	21 10	16 58	21 51	21 51	17 25		n.a.	F 18
S 19	22 23	17 47	3 51	18 30	4 19	21 58	1 24	24 39	0 54	24 8	0 49	14 25	2 3	12 49	0 23	13 0	1 49	21 9	16 57	21 51	21 52	17 24		n.a.	S 19
S 20	22 14	20 32	2 51	18 45	4 9	21 43	1 25	24 39	0 54	24 8	0 49	14 23	2 3	12 50	0 23	13 0	1 49	21 8	16 57	21 51	21 52	17 22		n.a.	S 20
M21	22 6	22 3	1 38	19 0	3 58	21 27	1 25	24 39	0 55	24 9	0 49	14 21	2 3	12 50	0 23	13 0	1 48	21 7	16 56	21 51	21 53	17 21		n.a.	M21
T 22	21 56	22 3	0 17	19 17	3 46	21 10	1 26	24 39	0 55	24 10	0 50	14 18	2 3	12 50	0 23	13 0	1 48	21 6	16 56	21 51	21 53	17 19		n.a.	T 22
W23	21 47	20 28	1n 6	19 34	3 32	20 52	1 26	24 39	0 56	24 11	0 50	14 16	2 3	12 51	0 23	13 0	1 48	21 5	16 56	21 51	21 54	17 18		n.a.	W23
T 24	21 37	17 26	2 25	19 52	3 17	20 35	1 26	24 39	0 56	24 11	0 50	14 14	2 3	12 51	0 23	13 0	1 48	21 4	16 55	21 51	21 54	17 17		n.a.	T 24
F 25	21 26	13 17	3 33	20 9	3 1	20 16	1 27	24 38	0 56	24 12	0 50	14 11	2 3	12 52	0 23	13 0	1 48	21 3	16 55	21 51	21 55	17 15		n.a.	F 25
S 26	21 16	8 23	4 26	20 27	2 44	19 57	1 27	24 37	0 57	24 13	0 50	14 9	2 3	12 52	0 23	13 0	1 48	21 2	16 54	21 51	21 55	17 14		n.a.	S 26
S 27	21 5	3 8	5 1	20 45	2 27	19 37	1 27	24 36	0 57	24 13	0 50	14 7	2 3	12 52	0 23	13 0	1 48	21 1	16 54	21 51	21 56	17 12		n.a.	S 27
M28	20 53	2s 8	5 16	21 2	2 9	19 17	1 27	24 35	0 58	24 14	0 50	14 4	2 3	12 53	0 23	13 0	1 48	21 0	16 53	21 51	21 56	17 11		n.a.	M28
T 29	20 41	7 10	5 14	21 19	1 51	18 56	1 27	24 33	0 58	24 14	0 50	14 2	2 3	12 53	0 23	13 1	1 48	20 59	16 53	21 51	21 57	17 9		n.a.	T 29
W30	20 29	11 43	4 54	21 34	1 34	18 35	1 27	24 32	0 59	24 15	0 50	13 59	2 2	12 53	0 23	13 1	1 48	20 58	16 53	21 51	21 57	17 8		n.a.	W30
T 31	20n17	15s37	4n20	21n49	1s16	18n13	1n27	24n30	0n59	24s16	0s50	13n57	2n 2	12n54	0s23	13s 1	1n48	20n57	16n52	21n51	21n58	17s 7		n.a.	T 31

Julian Day Number = 1540805.5, Delta T = 04h37m50s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'08, Lahiri = -10°47'08 Julian Calendar 1 July 495 BCE == Greg. Calendar 26 June 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

AUGUST 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 13 37	1♌37'05	10♐ 4	13♋53	15♌15	8♋27	9°R12	28♌55	4♉43	9♏ 5	16♍15	22♋29	21♋43	20♒56	n.a.	F 1
S 2	20 17 34	2°35'15	22°27	14°37	16°30	9° 5	9♑ 6	29° 2	4°44	9° 5	16°17	22°30	21°40	21° 3	n.a.	S 2
S 3	20 21 30	3°33'27	4♑39	15°29	17°44	9°43	8°59	29° 9	4°45	9° 6	16°19	22°30	21°37	21°10	n.a.	S 3
M 4	20 25 27	4°31'40	16°41	16°28	18°58	10°21	8°53	29°16	4°45	9° 6	16°21	22°R31	21°34	21°16	n.a.	M 4
T 5	20 29 23	5°29'56	28°37	17°35	20°13	10°59	8°47	29°22	4°46	9° 6	16°23	22°31	21°31	21°23	n.a.	T 5
W 6	20 33 20	6°28'13	10♒29	18°47	21°27	11°37	8°40	29°29	4°46	9° 6	16°25	22°30	21°28	21°30	n.a.	W 6
T 7	20 37 16	7°26'32	22°18	20° 6	22°41	12°15	8°34	29°36	4°47	9° 7	16°27	22°29	21°24	21°36	n.a.	T 7
F 8	20 41 13	8°24'53	4♓ 7	21°31	23°56	12°53	8°29	29°43	4°48	9° 7	16°29	22°27	21°21	21°43	n.a.	F 8
S 9	20 45 10	9°23'16	15°58	23° 0	25°10	13°31	8°23	29°50	4°48	9° 7	16°31	22°24	21°18	21°50	n.a.	S 9
S 10	20 49 6	10°21'41	27°54	24°34	26°24	14° 9	8°17	29°57	4°48	9° 8	16°33	22°21	21°15	21°56	n.a.	S 10
M11	20 53 3	11°20'08	9♈58	26°11	27°39	14°46	8°12	0♍ 4	4°49	9° 8	16°35	22°19	21°12	22° 3	n.a.	M11
T 12	20 56 59	12°18'38	22°13	27°52	28°53	15°24	8° 7	0°11	4°49	9° 9	16°37	22°17	21° 9	22°10	n.a.	T 12
W13	21 0 56	13°17'09	4♉42	29°36	0♍ 7	16° 2	8° 2	0°18	4°49	9° 9	16°39	22°16	21° 5	22°16	n.a.	W13
T 14	21 4 52	14°15'44	17°31	1♌22	1°22	16°40	7°57	0°25	4°49	9°10	16°41	22°D15	21° 2	22°23	n.a.	T 14
F 15	21 8 49	15°14'20	0♊42	3°10	2°36	17°18	7°52	0°32	4°49	9°10	16°43	22°16	20°59	22°30	n.a.	F 15
S 16	21 12 45	16°12'59	14°17	4°59	3°51	17°55	7°47	0°40	4°50	9°11	16°45	22°17	20°56	22°36	n.a.	S 16
S 17	21 16 42	17°11'40	28°20	6°49	5° 5	18°33	7°43	0°47	4°R50	9°12	16°47	22°19	20°53	22°43	n.a.	S 17
M18	21 20 39	18°10'24	12♋47	8°40	6°19	19°11	7°39	0°54	4°50	9°12	16°49	22°20	20°49	22°50	n.a.	M18
T 19	21 24 35	19° 9'10	27°38	10°32	7°34	19°48	7°34	1° 1	4°49	9°13	16°52	22°R20	20°46	22°56	n.a.	T 19
W20	21 28 32	20° 7'58	12♌45	12°24	8°48	20°26	7°30	1° 8	4°49	9°14	16°54	22°19	20°43	23° 3	n.a.	W20
T 21	21 32 28	21° 6'48	27°59	14°15	10° 2	21° 4	7°27	1°15	4°49	9°14	16°56	22°16	20°40	23°10	n.a.	T 21
F 22	21 36 25	22° 5'41	13♍11	16° 7	11°17	21°41	7°23	1°23	4°49	9°15	16°58	22°13	20°37	23°16	n.a.	F 22
S 23	21 40 21	23° 4'35	28°11	17°58	12°31	22°19	7°20	1°30	4°49	9°16	17° 0	22° 8	20°34	23°23	n.a.	S 23
S 24	21 44 18	24° 3'31	12♎49	19°49	13°45	22°57	7°17	1°37	4°48	9°17	17° 3	22° 4	20°30	23°30	n.a.	S 24
M25	21 48 14	25° 2'29	27° 2	21°39	15° 0	23°34	7°14	1°44	4°48	9°18	17° 5	22° 0	20°27	23°36	n.a.	M25
T 26	21 52 11	26° 1'29	10♏47	23°28	16°14	24°12	7°11	1°52	4°47	9°19	17° 7	21°58	20°24	23°43	n.a.	T 26
W27	21 56 7	27° 0'31	24° 4	25°17	17°28	24°49	7° 8	1°59	4°47	9°20	17°10	21°D57	20°21	23°50	n.a.	W27
T 28	22 0 4	27°59'34	6♐57	27° 5	18°43	25°27	7° 6	2° 6	4°46	9°21	17°12	21°57	20°18	23°56	n.a.	T 28
F 29	22 4 1	28°58'40	19°28	28°52	19°57	26° 4	7° 3	2°14	4°46	9°22	17°14	21°58	20°14	24° 3	n.a.	F 29
S 30	22 7 57	29°57'48	1♑42	0♍39	21°11	26°42	7° 1	2°21	4°45	9°23	17°16	22° 0	20°11	24°10	n.a.	S 30
S 31	22 11 54	0♍56'57	13♑45	2♍24	22♍26	27♋19	7♑ 0	2♍28	4♉44	9♏24	17♍19	22♋ 1	20♋ 8	24♒16	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	20n 4	18s43	3n34	22n 3	0s59	17n51	1n26	24n28	0n59	24s16	0s50	13n55	2n 2	12n54	0s23	13s 1	1n48	20n55	16n52	21n51	21n59	17s 5		n.a.	F 1
S 2	19 50	20 53	2 39	22 14	0 42	17 28	1 26	24 26	1 0	24 17	0 51	13 52	2 2	12 54	0 23	13 1	1 48	20 54	16 51	21 51	21 59	17 4		n.a.	S 2
S 3	19 37	22 3	1 38	22 25	0 26	17 5	1 26	24 24	1 0	24 17	0 51	13 50	2 2	12 54	0 23	13 1	1 48	20 53	16 51	21 51	22 0	17 2		n.a.	S 3
M 4	19 23	22 10	0 32	22 33	0 11	16 41	1 25	24 21	1 1	24 18	0 51	13 47	2 2	12 55	0 23	13 1	1 48	20 52	16 51	21 51	22 0	17 1		n.a.	M 4
T 5	19 9	21 15	0s34	22 39	0n 4	16 17	1 25	24 19	1 1	24 18	0 51	13 45	2 2	12 55	0 23	13 1	1 47	20 51	16 50	21 51	22 1	16 59		n.a.	T 5
W 6	18 54	19 25	1 38	22 43	0 18	15 52	1 24	24 16	1 2	24 19	0 51	13 42	2 2	12 55	0 23	13 1	1 47	20 50	16 50	21 51	22 1	16 58		n.a.	W 6
T 7	18 39	16 44	2 38	22 44	0 31	15 27	1 24	24 13	1 2	24 19	0 51	13 40	2 2	12 55	0 23	13 2	1 47	20 49	16 50	21 51	22 2	16 56		n.a.	T 7
F 8	18 24	13 23	3 30	22 43	0 43	15 1	1 23	24 9	1 2	24 20	0 51	13 37	2 2	12 55	0 23	13 2	1 47	20 48	16 49	21 51	22 2	16 55		n.a.	F 8
S 9	18 8	9 30	4 14	22 39	0 54	14 35	1 22	24 6	1 3	24 20	0 51	13 35	2 2	12 56	0 23	13 2	1 47	20 47	16 49	21 52	22 3	16 53		n.a.	S 9
S 10	17 52	5 14	4 47	22 32	1 4	14 9	1 21	24 2	1 3	24 20	0 51	13 32	2 2	12 56	0 23	13 2	1 47	20 46	16 49	21 52	22 3	16 52		n.a.	S 10
M11	17 36	0 43	5 8	22 23	1 12	13 42	1 20	23 59	1 4	24 21	0 51	13 30	2 2	12 56	0 23	13 2	1 47	20 44	16 48	21 53	22 4	16 50		n.a.	M11
T 12	17 20	3n53	5 15	22 10	1 20	13 15	1 19	23 55	1 4	24 21	0 51	13 27	2 2	12 56	0 23	13 3	1 47	20 43	16 48	21 53	22 4	16 49		n.a.	T 12
W13	17 3	8 26	5 8	21 55	1 27	12 48	1 18	23 51	1 5	24 21	0 51	13 25	2 2	12 56	0 23	13 3	1 47	20 42	16 48	21 53	22 5	16 47		n.a.	W13
T 14	16 46	12 43	4 45	21 38	1 33	12 20	1 17	23 46	1 5	24 22	0 51	13 22	2 2	12 56	0 23	13 3	1 47	20 41	16 47	21 53	22 5	16 46		n.a.	T 14
F 15	16 29	16 32	4 7	21 18	1 38	11 52	1 16	23 42	1 5	24 22	0 51	13 19	2 2	12 56	0 23	13 3	1 47	20 40	16 47	21 53	22 6	16 44		n.a.	F 15
S 16	16 11	19 36	3 14	20 55	1 42	11 23	1 15	23 37	1 6	24 22	0 51	13 17	2 2	12 56	0 23	13 4	1 47	20 39	16 47	21 53	22 6	16 43		n.a.	S 16
S 17	15 53	21 36	2 8	20 31	1 45	10 55	1 14	23 33	1 6	24 23	0 51	13 14	2 2	12 56	0 23	13 4	1 47	20 38	16 47	21 53	22 7	16 41		n.a.	S 17
M18	15 35	22 16	0 52	20 4	1 48	10 26	1 12	23 28	1 7	24 23	0 51	13 12	2 2	12 56	0 23	13 4	1 47	20 37	16 46	21 53	22 7	16 40		n.a.	M18
T 19	15 17	21 23	0n29	19 35	1 49	9 56	1 11	23 23	1 7	24 23	0 51	13 9	2 2	12 56	0 23	13 4	1 47	20 36	16 46	21 53	22 8	16 38		n.a.	T 19
W20	14 58	18 58	1 50	19 4	1 50	9 27	1 9	23 17	1 7	24 23	0 51	13 7	2 2	12 56	0 23	13 5	1 47	20 35	16 46	21 53	22 8	16 37		n.a.	W20
T 21	14 39	15 11	3 3	18 31	1 50	8 57	1 8	23 12	1 8	24 24	0 51	13 4	2 2	12 56	0 23	13 5	1 46	20 33	16 46	21 53	22 8	16 35		n.a.	T 21
F 22	14 20	10 26	4 3	17 57	1 50	8 27	1 6	23 6	1 8	24 24	0 51	13 1	2 2	12 56	0 23	13 5	1 46	20 32	16 45	21 54	22 9	16 34		n.a.	F 22
S 23	14 0	5 6	4 46	17 22	1 49	7 57	1 5	23 0	1 9	24 24	0 51	12 59	2 2	12 56	0 23	13 6	1 46	20 31	16 45	21 54	22 9	16 32		n.a.	S 23
S 24	13 41	0s24	5 9	16 45	1 47	7 26	1 3	22 55	1 9	24 24	0 51	12 56	2 2	12 55	0 23	13 6	1 46	20 30	16 45	21 55	22 10	16 31		n.a.	S 24
M25	13 21	5 43	5 11	16 7	1 45	6 55	1 1	22 48	1 9	24 24	0 51	12 53	2 2	12 55	0 23	13 6	1 46	20 29	16 45	21 56	22 10	16 29		n.a.	M25
T 26	13 1	10 34	4 56	15 29	1 42	6 25	0 59	22 42	1 10	24 25	0 51	12 51	2 2	12 55	0 23	13 7	1 46	20 28	16 45	21 56	22 11	16 27		n.a.	T 26
W27	12 40	14 45	4 25	14 49	1 39	5 54	0 58	22 36	1 10	24 25	0 51	12 48	2 2	12 55	0 24	13 7	1 46	20 27	16 44	21 56	22 11	16 26		n.a.	W27
T 28	12 20	18 7	3 41	14 8	1 35	5 22	0 56	22 29	1 11	24 25	0 51	12 46	2 2	12 55	0 24	13 7	1 46	20 26	16 44	21 56	22 12	16 24		n.a.	T 28
F 29	11 59	20 32	2 48	13 27	1 31	4 51	0 54	22 23	1 11	24 25	0 51	12 43	2 2	12 55	0 24	13 8	1 46	20 25	16 44	21 56	22 12	16 23		n.a.	F 29
S 30	11 38	21 56	1 49	12 45	1 27	4 20	0 52	22 16	1 11	24 25	0 51	12 40	2 2	12 54	0 24	13 8	1 46	20 24	16 44	21 56	22 13	16 21		n.a.	S 30
S 31	11n17	22s17	0n45	12n 2	1n23	3n48	0n50	22n 9	1n12	24s25	0s51	12n38	2n 2	12n54	0s24	13s 9	1n46	20n23	16n44	21n56	22n13	16s20		n.a.	S 31

Julian Day Number = 1540836.5, Delta T = 04h37m48s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'04, Lahiri = -10°47'04 Julian Calendar 1 Aug. 495 BCE == Greg. Calendar 27 July 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

SEPTEMBER 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 15 50	1♍56'08	25♉39	4♍ 9	23♍40	27♋57	6°R58	2♍35	4°R44	9♏25	17♍21	22°R 1	20♋ 5	24♒23	n.a.	M 1
T 2	22 19 47	2°55'22	7♒29	5°53	24°54	28°34	6♉56	2°43	4♉43	9°26	17°23	22♋ 0	20° 2	24°30	n.a.	T 2
W 3	22 23 43	3°54'37	19°18	7°36	26° 8	29°11	6°55	2°50	4°42	9°27	17°26	21°57	19°59	24°36	n.a.	W 3
T 4	22 27 40	4°53'55	1♓ 7	9°18	27°23	29°49	6°54	2°57	4°41	9°28	17°28	21°51	19°55	24°43	n.a.	T 4
F 5	22 31 36	5°53'14	13° 0	11° 0	28°37	0♌26	6°53	3° 4	4°40	9°30	17°30	21°44	19°52	24°50	n.a.	F 5
S 6	22 35 33	6°52'36	24°57	12°40	29°51	1° 4	6°53	3°12	4°39	9°31	17°33	21°36	19°49	24°56	n.a.	S 6
S 7	22 39 30	7°52'00	7♈ 0	14°20	1♎ 5	1°41	6°52	3°19	4°38	9°32	17°35	21°27	19°46	25° 3	n.a.	S 7
M 8	22 43 26	8°51'26	19°12	15°59	2°20	2°18	6°52	3°26	4°37	9°33	17°38	21°18	19°43	25°10	n.a.	M 8
T 9	22 47 23	9°50'55	1♉33	17°38	3°34	2°55	6°D52	3°34	4°36	9°35	17°40	21°11	19°40	25°16	n.a.	T 9
W10	22 51 19	10°50'26	14° 6	19°16	4°48	3°33	6°52	3°41	4°35	9°36	17°42	21° 5	19°36	25°23	n.a.	W10
T 11	22 55 16	11°49'59	26°54	20°52	6° 2	4°10	6°52	3°48	4°34	9°37	17°45	21° 2	19°33	25°30	n.a.	T 11
F 12	22 59 12	12°49'35	10♊ 0	22°29	7°16	4°47	6°53	3°55	4°32	9°39	17°47	21°D 1	19°30	25°36	n.a.	F 12
S 13	23 3 9	13°49'13	23°26	24° 4	8°31	5°24	6°53	4° 3	4°31	9°40	17°50	21° 1	19°27	25°43	n.a.	S 13
S 14	23 7 5	14°48'54	7♋15	25°39	9°45	6° 2	6°54	4°10	4°30	9°42	17°52	21° 2	19°24	25°50	n.a.	S 14
M15	23 11 2	15°48'37	21°29	27°13	10°59	6°39	6°56	4°17	4°28	9°43	17°54	21°R 3	19°20	25°56	n.a.	M15
T 16	23 14 58	16°48'23	6♌ 5	28°47	12°13	7°16	6°57	4°24	4°27	9°45	17°57	21° 2	19°17	26° 3	n.a.	T 16
W17	23 18 55	17°48'11	21° 1	0♎20	13°27	7°53	6°58	4°31	4°25	9°46	17°59	20°59	19°14	26°10	n.a.	W17
T 18	23 22 52	18°48'01	6♍ 9	1°52	14°41	8°30	7° 0	4°38	4°24	9°48	18° 2	20°53	19°11	26°16	n.a.	T 18
F 19	23 26 48	19°47'53	21°20	3°24	15°56	9° 7	7° 2	4°46	4°22	9°49	18° 4	20°45	19° 8	26°23	n.a.	F 19
S 20	23 30 45	20°47'47	6♎24	4°55	17°10	9°44	7° 4	4°53	4°21	9°51	18° 6	20°36	19° 5	26°30	n.a.	S 20
S 21	23 34 41	21°47'43	21°11	6°26	18°24	10°21	7° 6	5° 0	4°19	9°53	18° 9	20°26	19° 1	26°36	n.a.	S 21
M22	23 38 38	22°47'41	5♏32	7°56	19°38	10°58	7° 9	5° 7	4°17	9°54	18°11	20°17	18°58	26°43	n.a.	M22
T 23	23 42 34	23°47'41	19°26	9°25	20°52	11°35	7°12	5°14	4°16	9°56	18°14	20°10	18°55	26°50	n.a.	T 23
W24	23 46 31	24°47'43	2♐49	10°54	22° 6	12°12	7°15	5°21	4°14	9°58	18°16	20° 6	18°52	26°56	n.a.	W24
T 25	23 50 27	25°47'47	15°45	12°22	23°20	12°49	7°18	5°28	4°12	10° 0	18°18	20° 3	18°49	27° 3	n.a.	T 25
F 26	23 54 24	26°47'52	28°17	13°50	24°34	13°26	7°21	5°35	4°10	10° 1	18°21	20°D 3	18°46	27°10	n.a.	F 26
S 27	23 58 21	27°47'59	10♑30	15°17	25°48	14° 3	7°24	5°42	4° 8	10° 3	18°23	20° 3	18°42	27°16	n.a.	S 27
S 28	0 2 17	28°48'08	22°30	16°43	27° 2	14°40	7°28	5°49	4° 6	10° 5	18°26	20°R 4	18°39	27°23	n.a.	S 28
M29	0 6 14	29°48'18	4♒21	18° 9	28°16	15°17	7°32	5°56	4° 5	10° 7	18°28	20° 2	18°36	27°30	n.a.	M29
T 30	0 10 10	0♎48'30	16♒ 9	19♎34	29♎30	15♌54	7♑36	6♍ 3	4♉ 3	10♏ 8	18♍30	19♋59	18♋33	27♒36	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	10n55	21s37	0s20	11n19	1n18	3n16	0n47	22n 1	1n12	24s25	0s51	12n35	2n 2	12n54	0s24	13s 9	1n46	20n22	16n44	21n56	22n14	16s18		n.a.	M 1
T 2	10 34	19 59	1 23	10 36	1 13	2 45	0 45	21 54	1 13	24 25	0 51	12 32	2 2	12 54	0 24	13 9	1 46	20 20	16 43	21 56	22 14	16 16		n.a.	T 2
W 3	10 12	17 29	2 23	9 52	1 7	2 13	0 43	21 47	1 13	24 25	0 51	12 30	2 2	12 53	0 24	13 10	1 46	20 19	16 43	21 56	22 15	16 15		n.a.	W 3
T 4	9 50	14 16	3 16	9 8	1 2	1 41	0 41	21 39	1 13	24 25	0 51	12 27	2 2	12 53	0 24	13 10	1 46	20 18	16 43	21 57	22 15	16 13		n.a.	T 4
F 5	9 28	10 28	4 1	8 24	0 56	1 9	0 39	21 31	1 14	24 25	0 51	12 25	2 2	12 53	0 24	13 11	1 46	20 17	16 43	21 58	22 16	16 12		n.a.	F 5
S 6	9 6	6 14	4 35	7 39	0 50	0 37	0 36	21 24	1 14	24 25	0 51	12 22	2 3	12 52	0 24	13 11	1 45	20 16	16 43	22 0	22 16	16 10		n.a.	S 6
S 7	8 44	1 44	4 58	6 55	0 44	0 5	0 34	21 16	1 15	24 25	0 51	12 19	2 3	12 52	0 24	13 12	1 45	20 15	16 43	22 1	22 17	16 8		n.a.	S 7
M 8	8 21	2n53	5 7	6 10	0 38	0s27	0 31	21 7	1 15	24 25	0 51	12 17	2 3	12 52	0 24	13 12	1 45	20 14	16 43	22 3	22 17	16 7		n.a.	M 8
T 9	7 59	7 26	5 2	5 26	0 31	1 0	0 29	20 59	1 15	24 25	0 51	12 14	2 3	12 51	0 24	13 13	1 45	20 13	16 43	22 4	22 18	16 5		n.a.	T 9
W10	7 36	11 46	4 43	4 41	0 25	1 32	0 26	20 51	1 16	24 25	0 51	12 11	2 3	12 51	0 24	13 13	1 45	20 12	16 43	22 5	22 18	16 4		n.a.	W10
T 11	7 13	15 40	4 10	3 56	0 18	2 4	0 24	20 42	1 16	24 25	0 51	12 9	2 3	12 50	0 24	13 13	1 45	20 11	16 43	22 5	22 18	16 2		n.a.	T 11
F 12	6 50	18 54	3 22	3 12	0 12	2 36	0 21	20 33	1 17	24 25	0 51	12 6	2 3	12 50	0 24	13 14	1 45	20 10	16 43	22 5	22 19	16 0		n.a.	F 12
S 13	6 27	21 13	2 23	2 27	0 5	3 8	0 19	20 25	1 17	24 25	0 51	12 4	2 3	12 49	0 24	13 14	1 45	20 9	16 43	22 5	22 19	15 59		n.a.	S 13
S 14	6 3	22 20	1 13	1 43	0s 2	3 40	0 16	20 16	1 17	24 25	0 51	12 1	2 3	12 49	0 24	13 15	1 45	20 8	16 43	22 5	22 20	15 57		n.a.	S 14
M15	5 40	22 3	0n 2	0 59	0 9	4 12	0 14	20 7	1 18	24 25	0 51	11 58	2 3	12 48	0 24	13 16	1 45	20 7	16 43	22 5	22 20	15 55		n.a.	M15
T 16	5 17	20 17	1 20	0 15	0 16	4 43	0 11	19 57	1 18	24 25	0 51	11 56	2 3	12 48	0 24	13 16	1 45	20 6	16 43	22 5	22 21	15 54		n.a.	T 16
W17	4 53	17 6	2 33	0s29	0 22	5 15	0 8	19 48	1 19	24 25	0 51	11 53	2 3	12 47	0 24	13 17	1 45	20 5	16 43	22 6	22 21	15 52		n.a.	W17
T 18	4 29	12 44	3 37	1 12	0 29	5 47	0 5	19 39	1 19	24 24	0 51	11 51	2 3	12 47	0 24	13 17	1 45	20 4	16 43	22 7	22 22	15 50		n.a.	T 18
F 19	4 5	7 32	4 26	1 55	0 36	6 18	0 3	19 29	1 19	24 24	0 51	11 48	2 3	12 46	0 24	13 18	1 45	20 3	16 43	22 8	22 22	15 49		n.a.	F 19
S 20	3 42	1 56	4 55	2 38	0 43	6 50	0s 0	19 19	1 20	24 24	0 50	11 46	2 4	12 46	0 24	13 18	1 45	20 2	16 43	22 9	22 23	15 47		n.a.	S 20
S 21	3 18	3s40	5 4	3 21	0 50	7 21	0 3	19 10	1 20	24 24	0 50	11 43	2 4	12 45	0 24	13 19	1 45	20 1	16 43	22 11	22 23	15 45		n.a.	S 21
M22	2 54	8 56	4 54	4 3	0 56	7 52	0 6	19 0	1 20	24 24	0 50	11 40	2 4	12 45	0 24	13 19	1 45	20 1	16 43	22 12	22 24	15 44		n.a.	M22
T 23	2 30	13 33	4 26	4 45	1 3	8 23	0 8	18 50	1 21	24 24	0 50	11 38	2 4	12 44	0 24	13 20	1 45	20 0	16 43	22 13	22 24	15 42		n.a.	T 23
W24	2 6	17 20	3 44	5 26	1 10	8 53	0 11	18 39	1 21	24 23	0 50	11 35	2 4	12 43	0 24	13 21	1 45	19 59	16 43	22 14	22 24	15 40		n.a.	W24
T 25	1 42	20 8	2 52	6 7	1 16	9 24	0 14	18 29	1 22	24 23	0 50	11 33	2 4	12 43	0 24	13 21	1 44	19 58	16 43	22 14	22 25	15 39		n.a.	T 25
F 26	1 17	21 51	1 53	6 48	1 23	9 54	0 17	18 19	1 22	24 23	0 50	11 30	2 4	12 42	0 24	13 22	1 44	19 57	16 43	22 14	22 25	15 37		n.a.	F 26
S 27	0 53	22 29	0 51	7 28	1 29	10 24	0 20	18 8	1 22	24 23	0 50	11 28	2 4	12 42	0 24	13 22	1 44	19 56	16 43	22 14	22 26	15 35		n.a.	S 27
S 28	0 29	22 4	0s13	8 7	1 35	10 54	0 23	17 58	1 23	24 22	0 50	11 25	2 4	12 41	0 24	13 23	1 44	19 55	16 43	22 14	22 26	15 34		n.a.	S 28
M29	0 5	20 39	1 15	8 46	1 41	11 24	0 25	17 47	1 23	24 22	0 50	11 23	2 5	12 40	0 24	13 24	1 44	19 54	16 43	22 14	22 27	15 32		n.a.	M29
T 30	0s20	18s20	2s14	9s24	1s47	11s53	0s28	17n36	1n23	24s22	0s50	11n20	2n 5	12n40	0s24	13s24	1n44	19n53	16n43	22n15	22n27	15s30		n.a.	T 30

Julian Day Number = 1540867.5, Delta T = 04h37m47s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°54'00, Lahiri = -10°46'59 Julian Calendar 1 Sept. 495 BCE == Greg. Calendar 27 Aug. 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

OCTOBER 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 14 7	1♎48'44	27♒57	20♎58	0♏44	16♌30	7♑40	6♍ 9	4°R 1	10♏10	18♍33	19°R53	18♋30	27♒43	n.a.	W 1
T 2	0 18 3	2°48'59	9♓50	22°21	1°58	17° 7	7°45	6°16	3♉58	10°12	18°35	19♋45	18°26	27°50	n.a.	T 2
F 3	0 22 0	3°49'16	21°48	23°43	3°12	17°44	7°49	6°23	3°56	10°14	18°37	19°33	18°23	27°56	n.a.	F 3
S 4	0 25 56	4°49'35	3♈55	25° 5	4°26	18°21	7°54	6°30	3°54	10°16	18°40	19°20	18°20	28° 3	n.a.	S 4
S 5	0 29 53	5°49'56	16°10	26°25	5°40	18°57	7°59	6°36	3°52	10°18	18°42	19° 6	18°17	28°10	n.a.	S 5
M 6	0 33 49	6°50'19	28°36	27°44	6°54	19°34	8° 4	6°43	3°50	10°20	18°44	18°53	18°14	28°16	n.a.	M 6
T 7	0 37 46	7°50'43	11♉11	29° 2	8° 7	20°11	8° 9	6°50	3°48	10°22	18°47	18°41	18°11	28°23	n.a.	T 7
W 8	0 41 43	8°51'10	23°56	0♏19	9°21	20°47	8°15	6°56	3°46	10°24	18°49	18°31	18° 7	28°30	n.a.	W 8
T 9	0 45 39	9°51'39	6♊53	1°34	10°35	21°24	8°20	7° 3	3°43	10°26	18°51	18°25	18° 4	28°36	n.a.	T 9
F 10	0 49 36	10°52'09	20° 4	2°47	11°49	22° 1	8°26	7° 9	3°41	10°28	18°54	18°21	18° 1	28°43	n.a.	F 10
S 11	0 53 32	11°52'42	3♋28	3°59	13° 3	22°37	8°32	7°16	3°39	10°30	18°56	18°20	17°58	28°50	n.a.	S 11
S 12	0 57 29	12°53'16	17°10	5° 8	14°16	23°14	8°38	7°22	3°37	10°32	18°58	18°20	17°55	28°57	n.a.	S 12
M13	1 1 25	13°53'53	1♌ 9	6°15	15°30	23°50	8°45	7°28	3°34	10°34	19° 0	18°20	17°51	29° 3	n.a.	M13
T 14	1 5 22	14°54'31	15°27	7°19	16°44	24°27	8°51	7°35	3°32	10°36	19° 3	18°18	17°48	29°10	n.a.	T 14
W15	1 9 18	15°55'12	0♍ 2	8°20	17°58	25° 3	8°58	7°41	3°29	10°38	19° 5	18°14	17°45	29°17	n.a.	W15
T 16	1 13 15	16°55'54	14°49	9°18	19°11	25°39	9° 5	7°47	3°27	10°40	19° 7	18° 6	17°42	29°23	n.a.	T 16
F 17	1 17 12	17°56'37	29°42	10°11	20°25	26°16	9°12	7°53	3°25	10°42	19° 9	17°56	17°39	29°30	n.a.	F 17
S 18	1 21 8	18°57'23	14♎32	11° 1	21°39	26°52	9°19	7°59	3°22	10°45	19°11	17°45	17°36	29°37	n.a.	S 18
S 19	1 25 5	19°58'09	29°10	11°45	22°52	27°28	9°26	8° 5	3°20	10°47	19°13	17°32	17°32	29°43	n.a.	S 19
M20	1 29 1	20°58'58	13♏29	12°23	24° 6	28° 5	9°34	8°11	3°17	10°49	19°16	17°21	17°29	29°50	n.a.	M20
T 21	1 32 58	21°59'47	27°24	12°55	25°19	28°41	9°41	8°17	3°15	10°51	19°18	17°11	17°26	29°57	n.a.	T 21
W22	1 36 54	23° 0'38	10♐50	13°20	26°33	29°17	9°49	8°23	3°12	10°53	19°20	17° 4	17°23	0♓ 3	n.a.	W22
T 23	1 40 51	24° 1'30	23°50	13°37	27°47	29°53	9°57	8°29	3°10	10°55	19°22	17° 0	17°20	0°10	n.a.	T 23
F 24	1 44 47	25° 2'24	6♑26	13°R46	29° 0	0♍30	10° 5	8°35	3° 7	10°58	19°24	16°58	17°17	0°17	n.a.	F 24
S 25	1 48 44	26° 3'18	18°42	13°45	0♐13	1° 6	10°13	8°41	3° 5	11° 0	19°26	16°D58	17°13	0°23	n.a.	S 25
S 26	1 52 41	27° 4'13	0♒43	13°34	1°27	1°42	10°22	8°46	3° 2	11° 2	19°28	16°R58	17°10	0°30	n.a.	S 26
M27	1 56 37	28° 5'09	12°35	13°12	2°40	2°18	10°30	8°52	3° 0	11° 4	19°30	16°57	17° 7	0°37	n.a.	M27
T 28	2 0 34	29° 6'06	24°24	12°39	3°54	2°54	10°39	8°57	2°57	11° 6	19°32	16°54	17° 4	0°43	n.a.	T 28
W29	2 4 30	0♏ 7'04	6♓14	11°55	5° 7	3°30	10°47	9° 3	2°55	11° 9	19°34	16°49	17° 1	0°50	n.a.	W29
T 30	2 8 27	1° 8'03	18° 9	11° 1	6°20	4° 6	10°56	9° 8	2°52	11°11	19°36	16°41	16°57	0°57	n.a.	T 30
F 31	2 12 23	2♏ 9'03	0♈14	9♏57	7♐34	4♍41	11♑ 5	9♍14	2♉50	11♏13	19♍38	16♋30	16♋54	1♓ 3	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	0s44	15s15	3s 7	10s 1	1s53	12s22	0s31	17n26	1n24	24s22	0s50	11n18	2n 5	12n39	0s24	13s25	1n44	19n53	16n43	22n16	22n28	15s29			n.a.
T 2	1 8	11 33	3 52	10 38	1 58	12 51	0 34	17 15	1 24	24 21	0 50	11 16	2 5	12 38	0 24	13 25	1 44	19 52	16 44	22 17	22 28	15 27			n.a.
F 3	1 32	7 22	4 27	11 14	2 4	13 19	0 37	17 4	1 25	24 21	0 50	11 13	2 5	12 37	0 24	13 26	1 44	19 51	16 44	22 18	22 28	15 25			n.a.
S 4	1 57	2 51	4 50	11 49	2 9	13 47	0 40	16 52	1 25	24 21	0 50	11 11	2 5	12 37	0 24	13 27	1 44	19 50	16 44	22 20	22 29	15 23			n.a.
S 5	2 21	1n50	5 0	12 24	2 14	14 15	0 42	16 41	1 25	24 20	0 50	11 8	2 5	12 36	0 24	13 27	1 44	19 49	16 44	22 22	22 29	15 22			n.a.
M 6	2 45	6 30	4 56	12 57	2 18	14 42	0 45	16 30	1 26	24 20	0 50	11 6	2 5	12 35	0 24	13 28	1 44	19 49	16 44	22 24	22 30	15 20			n.a.
T 7	3 9	10 59	4 38	13 29	2 22	15 9	0 48	16 18	1 26	24 20	0 50	11 4	2 6	12 35	0 24	13 29	1 44	19 48	16 44	22 26	22 30	15 18			n.a.
W 8	3 33	15 2	4 6	14 0	2 26	15 36	0 51	16 7	1 26	24 19	0 50	11 1	2 6	12 34	0 24	13 29	1 44	19 47	16 45	22 27	22 31	15 16			n.a.
T 9	3 57	18 27	3 20	14 30	2 30	16 2	0 54	15 55	1 27	24 19	0 50	10 59	2 6	12 33	0 24	13 30	1 44	19 46	16 45	22 28	22 31	15 15			n.a.
F 10	4 21	20 59	2 24	14 59	2 33	16 28	0 56	15 44	1 27	24 18	0 50	10 57	2 6	12 32	0 24	13 31	1 44	19 46	16 45	22 29	22 31	15 13			n.a.
S 11	4 45	22 25	1 18	15 27	2 35	16 54	0 59	15 32	1 27	24 18	0 50	10 54	2 6	12 31	0 24	13 31	1 44	19 45	16 45	22 29	22 32	15 11			n.a.
S 12	5 9	22 32	0 6	15 52	2 38	17 19	1 2	15 20	1 28	24 17	0 49	10 52	2 6	12 31	0 24	13 32	1 44	19 44	16 45	22 29	22 32	15 9			n.a.
M13	5 33	21 15	1n 7	16 17	2 39	17 43	1 4	15 8	1 28	24 17	0 49	10 50	2 6	12 30	0 24	13 33	1 44	19 44	16 46	22 29	22 33	15 8			n.a.
T 14	5 57	18 36	2 18	16 39	2 40	18 8	1 7	14 56	1 29	24 17	0 49	10 48	2 7	12 29	0 24	13 33	1 44	19 43	16 46	22 29	22 33	15 6			n.a.
W15	6 21	14 44	3 21	17 0	2 41	18 31	1 10	14 44	1 29	24 16	0 49	10 45	2 7	12 28	0 24	13 34	1 44	19 42	16 46	22 30	22 34	15 4			n.a.
T 16	6 44	9 55	4 12	17 18	2 40	18 55	1 12	14 32	1 29	24 15	0 49	10 43	2 7	12 27	0 24	13 35	1 44	19 42	16 46	22 31	22 34	15 2			n.a.
F 17	7 8	4 28	4 45	17 35	2 39	19 17	1 15	14 20	1 30	24 15	0 49	10 41	2 7	12 27	0 24	13 35	1 44	19 41	16 47	22 32	22 34	15 1			n.a.
S 18	7 31	1s12	5 0	17 49	2 37	19 39	1 17	14 7	1 30	24 14	0 49	10 39	2 7	12 26	0 24	13 36	1 44	19 40	16 47	22 34	22 35	14 59			n.a.
S 19	7 54	6 45	4 54	18 0	2 34	20 1	1 20	13 55	1 30	24 14	0 49	10 37	2 8	12 25	0 24	13 37	1 44	19 40	16 47	22 35	22 35	14 57			n.a.
M20	8 18	11 48	4 30	18 8	2 30	20 22	1 22	13 43	1 31	24 13	0 49	10 35	2 8	12 24	0 24	13 38	1 44	19 39	16 48	22 37	22 36	14 55			n.a.
T 21	8 41	16 6	3 50	18 13	2 25	20 43	1 25	13 30	1 31	24 13	0 49	10 32	2 8	12 23	0 24	13 38	1 44	19 38	16 48	22 38	22 36	14 53			n.a.
W22	9 4	19 25	2 59	18 15	2 19	21 3	1 27	13 18	1 31	24 12	0 49	10 30	2 8	12 22	0 24	13 39	1 44	19 38	16 48	22 39	22 36	14 52			n.a.
T 23	9 26	21 37	1 59	18 13	2 11	21 22	1 29	13 5	1 32	24 11	0 49	10 28	2 8	12 22	0 24	13 40	1 44	19 37	16 48	22 39	22 37	14 50			n.a.
F 24	9 49	22 40	0 56	18 6	2 2	21 41	1 32	12 53	1 32	24 11	0 49	10 26	2 8	12 21	0 24	13 40	1 44	19 37	16 49	22 40	22 37	14 48			n.a.
S 25	10 11	22 35	0s 9	17 56	1 51	22 0	1 34	12 40	1 32	24 10	0 49	10 24	2 9	12 20	0 24	13 41	1 44	19 36	16 49	22 40	22 38	14 46			n.a.
S 26	10 34	21 26	1 12	17 41	1 38	22 17	1 36	12 27	1 33	24 9	0 49	10 22	2 9	12 19	0 24	13 42	1 43	19 36	16 49	22 40	22 38	14 44			n.a.
M27	10 56	19 21	2 11	17 21	1 24	22 34	1 38	12 14	1 33	24 9	0 49	10 20	2 9	12 18	0 24	13 42	1 43	19 35	16 50	22 40	22 39	14 43			n.a.
T 28	11 18	16 27	3 4	16 56	1 9	22 51	1 40	12 2	1 33	24 8	0 49	10 18	2 9	12 17	0 24	13 43	1 43	19 35	16 50	22 40	22 39	14 41			n.a.
W29	11 40	12 54	3 50	16 26	0 52	23 7	1 42	11 49	1 34	24 7	0 49	10 17	2 9	12 16	0 24	13 44	1 43	19 34	16 50	22 41	22 39	14 39			n.a.
T 30	12 1	8 48	4 25	15 51	0 33	23 22	1 44	11 36	1 34	24 6	0 49	10 15	2 10	12 15	0 24	13 45	1 43	19 34	16 51	22 42	22 40	14 37			n.a.
F 31	12s23	4s19	4s49	15s13	0s14	23s36	1s46	11n23	1n35	24s 6	0s49	10n13	2n10	12n15	0s24	13s45	1n43	19n33	16n51	22n43	22n40	14s35			n.a.

Julian Day Number = 1540897.5, Delta T = 04h37m46s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'56, Lahiri = -10°46'55 Julian Calendar 1 Oct. 495 BCE == Greg. Calendar 26 Sept. 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

NOVEMBER 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 16 20	3♏10'04	12♈30	8°R45	8♐47	5♍17	11♑15	9♍19	2°R47	11♏15	19♍40	16°R18	16♋51	1♓10	n.a.	S 1
S 2	2 20 16	4°11'05	24°59	7♏27	10° 0	5°53	11°24	9°24	2♉45	11°18	19°42	16♋ 4	16°48	1°17	n.a.	S 2
M 3	2 24 13	5°12'08	7♉41	6° 5	11°13	6°29	11°33	9°29	2°42	11°20	19°43	15°51	16°45	1°24	n.a.	M 3
T 4	2 28 10	6°13'12	20°36	4°42	12°26	7° 5	11°43	9°34	2°40	11°22	19°45	15°40	16°42	1°30	n.a.	T 4
W 5	2 32 6	7°14'16	3♊43	3°21	13°39	7°40	11°53	9°39	2°37	11°24	19°47	15°31	16°38	1°37	n.a.	W 5
T 6	2 36 3	8°15'22	17° 0	2° 4	14°52	8°16	12° 2	9°44	2°35	11°27	19°49	15°24	16°35	1°44	n.a.	T 6
F 7	2 39 59	9°16'29	0♋27	0°55	16° 5	8°52	12°12	9°49	2°32	11°29	19°51	15°21	16°32	1°50	n.a.	F 7
S 8	2 43 56	10°17'37	14° 3	29♎54	17°18	9°27	12°22	9°54	2°30	11°31	19°52	15°D20	16°29	1°57	n.a.	S 8
S 9	2 47 52	11°18'46	27°50	29° 4	18°31	10° 3	12°33	9°58	2°27	11°33	19°54	15°21	16°26	2° 4	n.a.	S 9
M10	2 51 49	12°19'56	11♎46	28°24	19°44	10°38	12°43	10° 3	2°25	11°36	19°56	15°R21	16°22	2°10	n.a.	M10
T 11	2 55 45	13°21'07	25°53	27°56	20°57	11°14	12°53	10° 7	2°22	11°38	19°57	15°20	16°19	2°17	n.a.	T 11
W12	2 59 42	14°22'19	10♍ 8	27°38	22° 9	11°49	13° 4	10°12	2°20	11°40	19°59	15°18	16°16	2°24	n.a.	W12
T 13	3 3 39	15°23'31	24°31	27°D32	23°22	12°24	13°14	10°16	2°17	11°42	20° 1	15°12	16°13	2°30	n.a.	T 13
F 14	3 7 35	16°24'45	8♎56	27°36	24°35	13° 0	13°25	10°21	2°15	11°45	20° 2	15° 5	16°10	2°37	n.a.	F 14
S 15	3 11 32	17°25'59	23°19	27°49	25°47	13°35	13°36	10°25	2°12	11°47	20° 4	14°55	16° 7	2°44	n.a.	S 15
S 16	3 15 28	18°27'14	7♏34	28°10	27° 0	14°10	13°47	10°29	2°10	11°49	20° 5	14°45	16° 3	2°50	n.a.	S 16
M17	3 19 25	19°28'30	21°35	28°39	28°12	14°45	13°58	10°33	2° 7	11°51	20° 7	14°36	16° 0	2°57	n.a.	M17
T 18	3 23 21	20°29'46	5♐16	29°16	29°25	15°20	14° 9	10°37	2° 5	11°54	20° 8	14°28	15°57	3° 4	n.a.	T 18
W19	3 27 18	21°31'03	18°36	29°58	0♑37	15°55	14°20	10°41	2° 3	11°56	20° 9	14°23	15°54	3°10	n.a.	W19
T 20	3 31 15	22°32'19	1♑34	0♏46	1°50	16°30	14°32	10°44	2° 0	11°58	20°11	14°19	15°51	3°17	n.a.	T 20
F 21	3 35 11	23°33'36	14°10	1°39	3° 2	17° 5	14°43	10°48	1°58	12° 0	20°12	14°D19	15°48	3°24	n.a.	F 21
S 22	3 39 8	24°34'53	26°28	2°36	4°14	17°40	14°55	10°52	1°56	12° 3	20°14	14°19	15°44	3°31	n.a.	S 22
S 23	3 43 4	25°36'10	8♒32	3°37	5°26	18°15	15° 6	10°55	1°54	12° 5	20°15	14°21	15°41	3°37	n.a.	S 23
M24	3 47 1	26°37'26	20°26	4°42	6°38	18°49	15°18	10°59	1°51	12° 7	20°16	14°22	15°38	3°44	n.a.	M24
T 25	3 50 57	27°38'43	2♓16	5°49	7°50	19°24	15°30	11° 2	1°49	12° 9	20°17	14°R22	15°35	3°51	n.a.	T 25
W26	3 54 54	28°39'59	14° 7	6°59	9° 2	19°59	15°42	11° 5	1°47	12°12	20°19	14°20	15°32	3°57	n.a.	W26
T 27	3 58 50	29°41'16	26° 4	8°11	10°14	20°33	15°54	11° 8	1°45	12°14	20°20	14°17	15°28	4° 4	n.a.	T 27
F 28	4 2 47	0♐42'32	8♈12	9°25	11°25	21° 8	16° 6	11°11	1°43	12°16	20°21	14°11	15°25	4°11	n.a.	F 28
S 29	4 6 44	1°43'47	20°34	10°41	12°37	21°42	16°18	11°14	1°40	12°18	20°22	14° 4	15°22	4°17	n.a.	S 29
S 30	4 10 40	2♐45'03	3♉12	11♏58	13♑49	22♍16	16♑31	11♍17	1♉38	12♏20	20♍23	13♋57	15♋19	4♓24	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s44	0n24	5s 0	14s30	0n 6	23s50	1s48	11n10	1n35	24s 5	0s49	10n11	2n10	12n14	0s24	13s46	1n43	19n33	16n52	22n45	22n41	14s33		n.a.
S 2	13 5	5 11	4 57	13 45	0 27	24 3	1 50	10 57	1 35	24 4	0 49	10 9	2 10	12 13	0 24	13 47	1 43	19 33	16 52	22 46	22 41	14 32		n.a.
M 3	13 26	9 51	4 40	12 59	0 47	24 15	1 51	10 44	1 36	24 3	0 49	10 7	2 10	12 12	0 24	13 47	1 43	19 32	16 52	22 48	22 41	14 30		n.a.
T 4	13 46	14 9	4 8	12 12	1 7	24 27	1 53	10 30	1 36	24 2	0 49	10 6	2 11	12 11	0 24	13 48	1 43	19 32	16 53	22 49	22 42	14 28		n.a.
W 5	14 6	17 52	3 22	11 27	1 26	24 38	1 55	10 17	1 36	24 1	0 49	10 4	2 11	12 10	0 24	13 49	1 43	19 32	16 53	22 50	22 42	14 26		n.a.
T 6	14 27	20 43	2 25	10 44	1 43	24 48	1 56	10 4	1 37	24 0	0 49	10 2	2 11	12 9	0 24	13 50	1 43	19 31	16 54	22 51	22 43	14 24		n.a.
F 7	14 46	22 27	1 18	10 6	1 58	24 58	1 58	9 51	1 37	23 59	0 48	10 1	2 11	12 9	0 24	13 50	1 43	19 31	16 54	22 51	22 43	14 22		n.a.
S 8	15 6	22 53	0 7	9 32	2 12	25 7	1 59	9 38	1 37	23 58	0 48	9 59	2 12	12 8	0 24	13 51	1 43	19 31	16 54	22 52	22 43	14 20		n.a.
S 9	15 25	21 57	1n 6	9 4	2 23	25 15	2 0	9 24	1 38	23 57	0 48	9 58	2 12	12 7	0 24	13 52	1 43	19 30	16 55	22 52	22 44	14 19		n.a.
M10	15 44	19 39	2 16	8 41	2 31	25 22	2 1	9 11	1 38	23 56	0 48	9 56	2 12	12 6	0 24	13 52	1 43	19 30	16 55	22 51	22 44	14 17		n.a.
T 11	16 3	16 10	3 19	8 25	2 38	25 29	2 2	8 58	1 38	23 55	0 48	9 54	2 12	12 5	0 24	13 53	1 43	19 30	16 56	22 52	22 45	14 15		n.a.
W12	16 22	11 42	4 10	8 14	2 43	25 34	2 3	8 44	1 39	23 54	0 48	9 53	2 13	12 4	0 24	13 54	1 43	19 30	16 56	22 52	22 45	14 13		n.a.
T 13	16 40	6 33	4 45	8 9	2 46	25 39	2 4	8 31	1 39	23 53	0 48	9 51	2 13	12 3	0 24	13 55	1 43	19 29	16 57	22 52	22 45	14 11		n.a.
F 14	16 58	1 3	5 3	8 9	2 47	25 44	2 5	8 17	1 39	23 52	0 48	9 50	2 13	12 3	0 24	13 55	1 43	19 29	16 57	22 53	22 46	14 9		n.a.
S 15	17 15	4s31	5 1	8 14	2 47	25 47	2 6	8 4	1 40	23 51	0 48	9 49	2 13	12 2	0 24	13 56	1 43	19 29	16 58	22 54	22 46	14 7		n.a.
S 16	17 33	9 47	4 41	8 23	2 46	25 50	2 7	7 51	1 40	23 50	0 48	9 47	2 13	12 1	0 24	13 57	1 43	19 29	16 58	22 56	22 46	14 5		n.a.
M17	17 50	14 28	4 4	8 36	2 43	25 52	2 7	7 37	1 40	23 49	0 48	9 46	2 14	12 0	0 23	13 57	1 43	19 29	16 59	22 57	22 47	14 3		n.a.
T 18	18 6	18 17	3 14	8 52	2 40	25 53	2 8	7 24	1 41	23 47	0 48	9 45	2 14	11 59	0 23	13 58	1 43	19 28	16 59	22 57	22 47	14 1		n.a.
W19	18 23	21 2	2 14	9 11	2 36	25 53	2 8	7 10	1 41	23 46	0 48	9 43	2 14	11 58	0 23	13 59	1 43	19 28	17 0	22 58	22 48	14 0		n.a.
T 20	18 39	22 37	1 8	9 32	2 31	25 53	2 9	6 57	1 41	23 45	0 48	9 42	2 14	11 58	0 23	13 59	1 43	19 28	17 0	22 58	22 48	13 58		n.a.
F 21	18 55	22 59	0 1	9 56	2 26	25 52	2 9	6 43	1 42	23 44	0 48	9 41	2 15	11 57	0 23	14 0	1 43	19 28	17 1	22 58	22 48	13 56		n.a.
S 22	19 10	22 12	1s 5	10 21	2 20	25 50	2 9	6 30	1 42	23 42	0 48	9 40	2 15	11 56	0 23	14 1	1 43	19 28	17 1	22 58	22 49	13 54		n.a.
S 23	19 25	20 24	2 7	10 48	2 13	25 47	2 9	6 16	1 42	23 41	0 48	9 39	2 15	11 55	0 23	14 1	1 43	19 28	17 2	22 58	22 49	13 52		n.a.
M24	19 39	17 45	3 2	11 16	2 7	25 44	2 9	6 3	1 42	23 40	0 48	9 38	2 16	11 55	0 23	14 2	1 43	19 28	17 2	22 58	22 49	13 50		n.a.
T 25	19 54	14 22	3 50	11 45	2 0	25 40	2 9	5 49	1 43	23 38	0 48	9 37	2 16	11 54	0 23	14 3	1 43	19 28	17 3	22 58	22 50	13 48		n.a.
W26	20 7	10 26	4 27	12 15	1 52	25 35	2 9	5 36	1 43	23 37	0 48	9 36	2 16	11 53	0 23	14 3	1 43	19 28	17 3	22 58	22 50	13 46		n.a.
T 27	20 21	6 4	4 54	12 46	1 45	25 29	2 8	5 22	1 43	23 35	0 48	9 35	2 16	11 52	0 23	14 4	1 43	19 28	17 4	22 59	22 51	13 44		n.a.
F 28	20 34	1 24	5 7	13 17	1 37	25 23	2 8	5 9	1 44	23 34	0 48	9 34	2 17	11 52	0 23	14 5	1 43	19 28	17 4	22 59	22 51	13 42		n.a.
S 29	20 47	3n24	5 7	13 48	1 30	25 16	2 7	4 55	1 44	23 32	0 48	9 33	2 17	11 51	0 23	14 5	1 43	19 28	17 5	23 0	22 51	13 40		n.a.
S 30	20s59	8n10	4s52	14s20	1n22	25s 8	2s 7	4n42	1n44	23s31	0s48	9n32	2n17	11n50	0s23	14s 6	1n43	19n28	17n 5	23n 1	22n52	13s38		n.a.

Julian Day Number = 1540928.5, Delta T = 04h37m44s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'52, Lahiri = -10°46'51 Julian Calendar 1 Nov. 495 BCE == Greg. Calendar 27 Oct. 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 495 BCE
geocentric

DECEMBER 495 BCE (-494) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 14 37	3♐46'18	16♉ 8	13♏17	15♑ 0	22♍51	16♑43	11♍20	1°R36	12♏22	20♍24	13°R49	15♋16	4♓31	n.a.	M 1
T 2	4 18 33	4°47'33	29°21	14°38	16°11	23°25	16°55	11°23	1♉34	12°24	20°25	13♋42	15°13	4°37	n.a.	T 2
W 3	4 22 30	5°48'48	12♊51	15°59	17°23	23°59	17° 8	11°25	1°32	12°27	20°26	13°37	15° 9	4°44	n.a.	W 3
T 4	4 26 26	6°50'03	26°34	17°22	18°34	24°33	17°20	11°28	1°30	12°29	20°27	13°34	15° 6	4°51	n.a.	T 4
F 5	4 30 23	7°51'18	10♋28	18°45	19°45	25° 7	17°33	11°30	1°28	12°31	20°28	13°D33	15° 3	4°58	n.a.	F 5
S 6	4 34 19	8°52'32	24°29	20°10	20°56	25°41	17°46	11°32	1°27	12°33	20°29	13°33	15° 0	5° 4	n.a.	S 6
S 7	4 38 16	9°53'47	8♌35	21°35	22° 6	26°15	17°59	11°34	1°25	12°35	20°30	13°35	14°57	5°11	n.a.	S 7
M 8	4 42 13	10°55'01	22°44	23° 1	23°17	26°49	18°11	11°37	1°23	12°37	20°30	13°36	14°54	5°18	n.a.	M 8
T 9	4 46 9	11°56'15	6♍54	24°27	24°28	27°22	18°24	11°38	1°21	12°39	20°31	13°R37	14°50	5°24	n.a.	T 9
W10	4 50 6	12°57'29	21° 2	25°55	25°38	27°56	18°37	11°40	1°19	12°41	20°32	13°37	14°47	5°31	n.a.	W10
T 11	4 54 2	13°58'43	5♎ 8	27°23	26°49	28°30	18°50	11°42	1°18	12°43	20°33	13°35	14°44	5°38	n.a.	T 11
F 12	4 57 59	14°59'56	19°10	28°51	27°59	29° 3	19° 3	11°44	1°16	12°45	20°33	13°32	14°41	5°44	n.a.	F 12
S 13	5 1 55	16° 1'10	3♏ 4	0♐20	29° 9	29°37	19°17	11°45	1°15	12°47	20°34	13°28	14°38	5°51	n.a.	S 13
S 14	5 5 52	17° 2'22	16°49	1°50	0♒19	0♎10	19°30	11°47	1°13	12°49	20°34	13°24	14°34	5°58	n.a.	S 14
M15	5 9 49	18° 3'35	0♐22	3°21	1°29	0°43	19°43	11°48	1°11	12°51	20°35	13°20	14°31	6° 4	n.a.	M15
T 16	5 13 45	19° 4'47	13°40	4°52	2°38	1°16	19°57	11°49	1°10	12°53	20°35	13°17	14°28	6°11	n.a.	T 16
W17	5 17 42	20° 5'58	26°43	6°23	3°48	1°49	20°10	11°50	1° 9	12°55	20°36	13°14	14°25	6°18	n.a.	W17
T 18	5 21 38	21° 7'08	9♑29	7°55	4°57	2°22	20°23	11°51	1° 7	12°57	20°36	13°D13	14°22	6°25	n.a.	T 18
F 19	5 25 35	22° 8'18	21°58	9°28	6° 7	2°55	20°37	11°52	1° 6	12°59	20°37	13°14	14°19	6°31	n.a.	F 19
S 20	5 29 31	23° 9'26	4♒13	11° 1	7°16	3°28	20°50	11°53	1° 5	13° 0	20°37	13°15	14°15	6°38	n.a.	S 20
S 21	5 33 28	24°10'34	16°17	12°35	8°25	4° 0	21° 4	11°54	1° 3	13° 2	20°37	13°16	14°12	6°45	n.a.	S 21
M22	5 37 24	25°11'40	28°12	14° 9	9°34	4°33	21°18	11°54	1° 2	13° 4	20°38	13°18	14° 9	6°51	n.a.	M22
T 23	5 41 21	26°12'45	10♓ 3	15°44	10°42	5° 5	21°31	11°55	1° 1	13° 6	20°38	13°19	14° 6	6°58	n.a.	T 23
W24	5 45 18	27°13'49	21°54	17°19	11°51	5°37	21°45	11°55	1° 0	13° 8	20°38	13°R20	14° 3	7° 5	n.a.	W24
T 25	5 49 14	28°14'51	3♈50	18°55	12°59	6°10	21°59	11°56	0°59	13° 9	20°38	13°20	14° 0	7°11	n.a.	T 25
F 26	5 53 11	29°15'52	15°57	20°32	14° 7	6°42	22°13	11°56	0°58	13°11	20°39	13°19	13°56	7°18	n.a.	F 26
S 27	5 57 7	0♑16'52	28°19	22°10	15°15	7°14	22°27	11°R56	0°57	13°13	20°39	13°18	13°53	7°25	n.a.	S 27
S 28	6 1 4	1°17'50	10♉59	23°48	16°22	7°46	22°41	11°56	0°56	13°15	20°39	13°16	13°50	7°32	n.a.	S 28
M29	6 5 0	2°18'47	23°59	25°26	17°30	8°17	22°55	11°56	0°55	13°16	20°39	13°15	13°47	7°38	n.a.	M29
T 30	6 8 57	3°19'43	7♊23	27° 6	18°37	8°49	23° 9	11°55	0°54	13°18	20°R39	13°13	13°44	7°45	n.a.	T 30
W31	6 12 53	4♑20'38	21♊ 8	28♐46	19♒44	9♎20	23♑23	11♍55	0♉53	13♏19	20♍39	13♋12	13♋40	7♓52	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	21 s11	12n42	4 s22	14 s51	1n14	24 s59	2 s 6	4n28	1n45	23 s29	0 s48	9n31	2n17	11n49	0 s23	14 s 7	1n43	19n28	17n 6	23n 2	22n52	13 s36			n.a.
T 2	21 22	16 45	3 37	15 23	1 6	24 50	2 5	4 15	1 45	23 28	0 48	9 30	2 18	11 49	0 23	14 7	1 43	19 28	17 7	23 2	22 52	13 34			n.a.
W 3	21 34	20 0	2 39	15 54	0 58	24 40	2 4	4 2	1 45	23 26	0 48	9 30	2 18	11 48	0 23	14 8	1 43	19 28	17 7	23 3	22 53	13 32			n.a.
T 4	21 44	22 11	1 31	16 26	0 51	24 29	2 3	3 48	1 46	23 25	0 48	9 29	2 18	11 47	0 23	14 9	1 43	19 29	17 8	23 3	22 53	13 30			n.a.
F 5	21 54	23 3	0 17	16 57	0 43	24 17	2 2	3 35	1 46	23 23	0 48	9 28	2 18	11 47	0 23	14 9	1 43	19 29	17 8	23 3	22 54	13 28			n.a.
S 6	22 4	22 29	0n59	17 27	0 35	24 5	2 1	3 21	1 46	23 21	0 48	9 28	2 19	11 46	0 23	14 10	1 44	19 29	17 9	23 3	22 54	13 26			n.a.
S 7	22 14	20 29	2 13	17 57	0 27	23 52	1 59	3 8	1 46	23 19	0 48	9 27	2 19	11 46	0 23	14 11	1 44	19 29	17 9	23 3	22 54	13 24			n.a.
M 8	22 23	17 14	3 18	18 27	0 20	23 39	1 58	2 55	1 47	23 18	0 48	9 27	2 19	11 45	0 23	14 11	1 44	19 29	17 10	23 3	22 55	13 22			n.a.
T 9	22 31	12 58	4 11	18 56	0 12	23 25	1 56	2 41	1 47	23 16	0 48	9 26	2 20	11 44	0 23	14 12	1 44	19 29	17 10	23 3	22 55	13 20			n.a.
W10	22 39	8 1	4 49	19 24	0 5	23 10	1 54	2 28	1 47	23 14	0 48	9 26	2 20	11 44	0 23	14 12	1 44	19 30	17 11	23 3	22 55	13 18			n.a.
T 11	22 47	2 40	5 10	19 52	0 s 2	22 55	1 53	2 15	1 48	23 12	0 48	9 25	2 20	11 43	0 23	14 13	1 44	19 30	17 12	23 3	22 56	13 16			n.a.
F 12	22 54	2 s48	5 11	20 19	0 9	22 39	1 51	2 2	1 48	23 10	0 48	9 25	2 20	11 43	0 23	14 13	1 44	19 30	17 12	23 3	22 56	13 14			n.a.
S 13	23 1	8 5	4 55	20 46	0 17	22 22	1 49	1 48	1 48	23 9	0 48	9 25	2 21	11 42	0 23	14 14	1 44	19 30	17 13	23 4	22 56	13 12			n.a.
S 14	23 7	12 54	4 22	21 11	0 23	22 5	1 46	1 35	1 48	23 7	0 48	9 24	2 21	11 42	0 23	14 15	1 44	19 31	17 13	23 4	22 57	13 10			n.a.
M15	23 13	17 0	3 34	21 36	0 30	21 47	1 44	1 22	1 49	23 5	0 48	9 24	2 21	11 41	0 23	14 15	1 44	19 31	17 14	23 5	22 57	13 8			n.a.
T 16	23 18	20 10	2 35	21 59	0 37	21 29	1 42	1 9	1 49	23 3	0 48	9 24	2 22	11 41	0 23	14 16	1 44	19 31	17 15	23 5	22 57	13 6			n.a.
W17	23 23	22 13	1 30	22 22	0 43	21 10	1 39	0 56	1 49	23 1	0 48	9 24	2 22	11 40	0 23	14 16	1 44	19 32	17 15	23 5	22 58	13 4			n.a.
T 18	23 27	23 4	0 21	22 44	0 49	20 50	1 37	0 43	1 49	22 59	0 48	9 23	2 22	11 40	0 23	14 17	1 44	19 32	17 16	23 5	22 58	13 2			n.a.
F 19	23 31	22 44	0 s48	23 5	0 56	20 30	1 34	0 30	1 50	22 57	0 48	9 23	2 22	11 39	0 23	14 17	1 44	19 32	17 16	23 5	22 58	13 0			n.a.
S 20	23 34	21 17	1 53	23 24	1 1	20 10	1 31	0 17	1 50	22 55	0 48	9 23	2 23	11 39	0 23	14 18	1 44	19 33	17 17	23 5	22 59	12 58			n.a.
S 21	23 37	18 54	2 53	23 43	1 7	19 49	1 28	0 4	1 50	22 53	0 48	9 23	2 23	11 38	0 23	14 18	1 44	19 33	17 17	23 5	22 59	12 56			n.a.
M22	23 40	15 45	3 44	24 0	1 13	19 27	1 25	0 s 9	1 50	22 50	0 48	9 23	2 23	11 38	0 23	14 19	1 44	19 34	17 18	23 5	22 59	12 54			n.a.
T 23	23 42	11 59	4 25	24 16	1 18	19 5	1 22	0 21	1 51	22 48	0 48	9 23	2 24	11 37	0 23	14 20	1 44	19 34	17 19	23 5	23 0	12 52			n.a.
W24	23 43	7 45	4 55	24 31	1 23	18 43	1 19	0 34	1 51	22 46	0 48	9 23	2 24	11 37	0 23	14 20	1 44	19 35	17 19	23 5	23 0	12 50			n.a.
T 25	23 45	3 13	5 12	24 44	1 27	18 20	1 15	0 47	1 51	22 44	0 49	9 24	2 24	11 37	0 23	14 20	1 44	19 35	17 20	23 5	23 0	12 48			n.a.
F 26	23 45	1n30	5 16	24 56	1 32	17 57	1 12	0 59	1 51	22 42	0 49	9 24	2 24	11 36	0 23	14 21	1 44	19 35	17 20	23 5	23 1	12 46			n.a.
S 27	23 45	6 15	5 6	25 7	1 36	17 33	1 8	1 12	1 52	22 39	0 49	9 24	2 25	11 36	0 23	14 21	1 44	19 36	17 21	23 5	23 1	12 44			n.a.
S 28	23 45	10 53	4 40	25 16	1 40	17 9	1 4	1 24	1 52	22 37	0 49	9 24	2 25	11 36	0 23	14 22	1 44	19 36	17 22	23 5	23 1	12 42			n.a.
M29	23 44	15 8	4 0	25 24	1 44	16 45	1 0	1 37	1 52	22 35	0 49	9 25	2 25	11 36	0 23	14 22	1 44	19 37	17 22	23 5	23 2	12 40			n.a.
T 30	23 43	18 46	3 6	25 30	1 47	16 20	0 56	1 49	1 52	22 32	0 49	9 25	2 26	11 35	0 23	14 23	1 44	19 38	17 23	23 5	23 2	12 38			n.a.
W31	23 s41	21n28	1 s59	25 s35	1 s50	15 s55	0 s52	2 s 2	1n53	22 s30	0 s49	9n25	2n26	11n35	0 s23	14 s23	1n44	19n38	17n23	23n 5	23n 2	12 s36			n.a.

Julian Day Number = 1540958.5, Delta T = 04h37m43s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'47, Lahiri = -10°46'47 Julian Calendar 1 Dec. 495 BCE == Greg. Calendar 26 Nov. 495 BCE

The year -494 astronomical counting style corresponds to year 495 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

JANUARY 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 16 50	5♑21'31	5♋13	0♑27	20♒50	9♎52	23♑37	11°R55	0°R53	13♏21	20°R39	13°R12	13♋37	7♓58	n.a.	T 1
F 2	6 20 47	6°22'23	19°34	2° 8	21°57	10°23	23°51	11♍54	0♉52	13°23	20♍39	13°D12	13°34	8° 5	n.a.	F 2
S 3	6 24 43	7°23'13	4♌ 5	3°51	23° 3	10°54	24° 5	11°53	0°51	13°24	20°38	13♋12	13°31	8°12	n.a.	S 3
S 4	6 28 40	8°24'03	18°40	5°34	24° 9	11°25	24°19	11°53	0°51	13°26	20°38	13°13	13°28	8°18	n.a.	S 4
M 5	6 32 36	9°24'51	3♍14	7°18	25°15	11°56	24°33	11°52	0°50	13°27	20°38	13°13	13°25	8°25	n.a.	M 5
T 6	6 36 33	10°25'37	17°41	9° 2	26°20	12°27	24°47	11°51	0°50	13°28	20°38	13°13	13°21	8°32	n.a.	T 6
W 7	6 40 29	11°26'23	1♎58	10°48	27°25	12°57	25° 2	11°50	0°49	13°30	20°38	13°14	13°18	8°39	n.a.	W 7
T 8	6 44 26	12°27'08	16° 2	12°34	28°30	13°28	25°16	11°49	0°49	13°31	20°37	13°R14	13°15	8°45	n.a.	T 8
F 9	6 48 22	13°27'51	29°52	14°21	29°35	13°58	25°30	11°47	0°49	13°33	20°37	13°D14	13°12	8°52	n.a.	F 9
S 10	6 52 19	14°28'33	13♏28	16° 8	0♓39	14°28	25°44	11°46	0°48	13°34	20°37	13°14	13° 9	8°59	n.a.	S 10
S 11	6 56 16	15°29'14	26°48	17°57	1°43	14°58	25°59	11°44	0°48	13°35	20°36	13°14	13° 6	9° 5	n.a.	S 11
M12	7 0 12	16°29'54	9♐55	19°46	2°47	15°28	26°13	11°43	0°48	13°37	20°36	13°14	13° 2	9°12	n.a.	M12
T 13	7 4 9	17°30'32	22°48	21°36	3°50	15°58	26°27	11°41	0°48	13°38	20°35	13°14	12°59	9°19	n.a.	T 13
W14	7 8 5	18°31'08	5♑28	23°26	4°53	16°27	26°42	11°39	0°D48	13°39	20°35	13°15	12°56	9°25	n.a.	W14
T 15	7 12 2	19°31'43	17°57	25°17	5°56	16°57	26°56	11°37	0°48	13°40	20°34	13°R15	12°53	9°32	n.a.	T 15
F 16	7 15 58	20°32'17	0♒14	27° 8	6°58	17°26	27°11	11°36	0°48	13°41	20°34	13°14	12°50	9°39	n.a.	F 16
S 17	7 19 55	21°32'48	12°22	29° 0	8° 0	17°55	27°25	11°33	0°48	13°43	20°33	13°14	12°46	9°46	n.a.	S 17
S 18	7 23 52	22°33'18	24°21	0♒51	9° 2	18°24	27°39	11°31	0°48	13°44	20°32	13°12	12°43	9°52	n.a.	S 18
M19	7 27 48	23°33'45	6♓15	2°43	10° 3	18°52	27°54	11°29	0°49	13°45	20°32	13°11	12°40	9°59	n.a.	M19
T 20	7 31 45	24°34'11	18° 6	4°34	11° 4	19°21	28° 8	11°27	0°49	13°46	20°31	13° 9	12°37	10° 6	n.a.	T 20
W21	7 35 41	25°34'35	29°57	6°26	12° 4	19°49	28°23	11°24	0°49	13°47	20°30	13° 8	12°34	10°12	n.a.	W21
T 22	7 39 38	26°34'56	11♈52	8°16	13° 4	20°17	28°37	11°22	0°50	13°48	20°29	13° 7	12°31	10°19	n.a.	T 22
F 23	7 43 34	27°35'16	23°57	10° 5	14° 3	20°45	28°51	11°19	0°50	13°49	20°29	13°D 6	12°27	10°26	n.a.	F 23
S 24	7 47 31	28°35'33	6♉14	11°53	15° 2	21°12	29° 6	11°16	0°51	13°50	20°28	13° 6	12°24	10°32	n.a.	S 24
S 25	7 51 27	29°35'48	18°49	13°39	16° 1	21°40	29°20	11°14	0°51	13°50	20°27	13° 7	12°21	10°39	n.a.	S 25
M26	7 55 24	0♒36'02	1♊47	15°23	16°58	22° 7	29°35	11°11	0°52	13°51	20°26	13° 8	12°18	10°46	n.a.	M26
T 27	7 59 20	1°36'12	15° 9	17° 4	17°56	22°34	29°49	11° 8	0°52	13°52	20°25	13°10	12°15	10°53	n.a.	T 27
W28	8 3 17	2°36'21	28°57	18°41	18°53	23° 1	0♒ 4	11° 5	0°53	13°53	20°24	13°11	12°12	10°59	n.a.	W28
T 29	8 7 14	3°36'28	13♋11	20°15	19°49	23°27	0°18	11° 2	0°54	13°54	20°23	13°R11	12° 8	11° 6	n.a.	T 29
F 30	8 11 10	4°36'33	27°48	21°45	20°45	23°54	0°32	10°58	0°55	13°54	20°22	13°11	12° 5	11°13	n.a.	F 30
S 31	8 15 7	5♒36'35	12♌41	23♒ 9	21♓40	24♎20	0♒47	10♍55	0♉55	13♏55	20♍21	13♋ 9	12♋ 2	11♓19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23 s39	22n55	0 s44	25 s38	1 s53	15 s30	0 s48	2 s14	1n53	22 s28	0 s49	9n26	2n26	11n35	0 s23	14 s24	1n44	19n39	17n24	23n 5	23n 3	12 s34			n.a.
F 2	23 36	22 53	0n35	25 39	1 55	15 4	0 44	2 26	1 53	22 25	0 49	9 26	2 26	11 35	0 22	14 24	1 44	19 39	17 24	23 5	23 3	12 32			n.a.
S 3	23 33	21 19	1 53	25 39	1 57	14 38	0 39	2 38	1 53	22 23	0 49	9 27	2 27	11 34	0 22	14 25	1 44	19 40	17 25	23 5	23 3	12 29			n.a.
S 4	23 29	18 21	3 4	25 37	1 59	14 12	0 35	2 50	1 53	22 20	0 49	9 27	2 27	11 34	0 22	14 25	1 44	19 40	17 26	23 5	23 4	12 27			n.a.
M 5	23 25	14 14	4 3	25 33	2 0	13 45	0 30	3 2	1 54	22 18	0 49	9 28	2 27	11 34	0 22	14 25	1 44	19 41	17 26	23 5	23 4	12 25			n.a.
T 6	23 20	9 19	4 47	25 27	2 1	13 18	0 26	3 14	1 54	22 15	0 49	9 29	2 28	11 34	0 22	14 26	1 45	19 42	17 27	23 5	23 4	12 23			n.a.
W 7	23 15	3 57	5 11	25 19	2 1	12 51	0 21	3 26	1 54	22 13	0 49	9 29	2 28	11 34	0 22	14 26	1 45	19 42	17 27	23 5	23 5	12 21			n.a.
T 8	23 10	1 s31	5 17	25 10	2 1	12 24	0 16	3 38	1 54	22 10	0 49	9 30	2 28	11 34	0 22	14 27	1 45	19 43	17 28	23 5	23 5	12 19			n.a.
F 9	23 4	6 50	5 4	24 58	2 1	11 56	0 11	3 50	1 54	22 7	0 49	9 31	2 28	11 34	0 22	14 27	1 45	19 43	17 28	23 5	23 5	12 17			n.a.
S 10	22 57	11 43	4 34	24 44	1 59	11 28	0 6	4 1	1 54	22 5	0 49	9 32	2 29	11 34	0 22	14 27	1 45	19 44	17 29	23 5	23 6	12 15			n.a.
S 11	22 51	15 58	3 50	24 29	1 58	11 1	0 0	4 13	1 55	22 2	0 49	9 32	2 29	11 33	0 22	14 28	1 45	19 45	17 30	23 5	23 6	12 13			n.a.
M12	22 43	19 21	2 55	24 11	1 56	10 32	0n 5	4 24	1 55	21 59	0 49	9 33	2 29	11 33	0 22	14 28	1 45	19 45	17 30	23 5	23 6	12 11			n.a.
T 13	22 35	21 42	1 51	23 52	1 53	10 4	0 10	4 36	1 55	21 57	0 49	9 34	2 29	11 33	0 22	14 28	1 45	19 46	17 31	23 5	23 7	12 8			n.a.
W14	22 27	22 55	0 43	23 30	1 50	9 36	0 16	4 47	1 55	21 54	0 49	9 35	2 30	11 33	0 22	14 29	1 45	19 47	17 31	23 5	23 7	12 6			n.a.
T 15	22 19	22 58	0 s26	23 6	1 46	9 7	0 22	4 58	1 55	21 51	0 50	9 36	2 30	11 34	0 22	14 29	1 45	19 48	17 32	23 5	23 7	12 4			n.a.
F 16	22 10	21 53	1 33	22 40	1 42	8 39	0 27	5 10	1 55	21 49	0 50	9 37	2 30	11 34	0 22	14 29	1 45	19 48	17 32	23 5	23 8	12 2			n.a.
S 17	22 0	19 47	2 35	22 12	1 37	8 10	0 33	5 21	1 55	21 46	0 50	9 38	2 31	11 34	0 22	14 30	1 45	19 49	17 33	23 5	23 8	12 0			n.a.
S 18	21 50	16 51	3 29	21 43	1 31	7 41	0 39	5 32	1 55	21 43	0 50	9 39	2 31	11 34	0 22	14 30	1 45	19 50	17 33	23 5	23 8	11 58			n.a.
M19	21 40	13 15	4 13	21 11	1 25	7 12	0 45	5 42	1 55	21 40	0 50	9 40	2 31	11 34	0 22	14 30	1 45	19 50	17 34	23 5	23 9	11 56			n.a.
T 20	21 29	9 9	4 47	20 38	1 18	6 43	0 51	5 53	1 56	21 37	0 50	9 41	2 31	11 34	0 22	14 30	1 45	19 51	17 34	23 6	23 9	11 53			n.a.
W21	21 18	4 43	5 8	20 2	1 10	6 15	0 57	6 4	1 56	21 34	0 50	9 43	2 32	11 34	0 22	14 31	1 45	19 52	17 35	23 6	23 9	11 51			n.a.
T 22	21 7	0 5	5 16	19 25	1 1	5 46	1 4	6 15	1 56	21 31	0 50	9 44	2 32	11 34	0 22	14 31	1 45	19 53	17 35	23 6	23 9	11 49			n.a.
F 23	20 55	4n36	5 11	18 47	0 52	5 17	1 10	6 25	1 56	21 28	0 50	9 45	2 32	11 34	0 22	14 31	1 45	19 53	17 36	23 6	23 10	11 47			n.a.
S 24	20 43	9 12	4 51	18 8	0 42	4 48	1 17	6 35	1 56	21 26	0 50	9 46	2 32	11 35	0 22	14 31	1 45	19 54	17 36	23 6	23 10	11 45			n.a.
S 25	20 30	13 32	4 17	17 27	0 32	4 19	1 23	6 46	1 56	21 23	0 50	9 48	2 32	11 35	0 22	14 32	1 45	19 55	17 37	23 6	23 10	11 43			n.a.
M26	20 17	17 22	3 29	16 45	0 20	3 50	1 30	6 56	1 56	21 20	0 50	9 49	2 33	11 35	0 22	14 32	1 45	19 56	17 37	23 6	23 11	11 41			n.a.
T 27	20 4	20 27	2 29	16 3	0 8	3 21	1 37	7 6	1 56	21 17	0 50	9 50	2 33	11 35	0 22	14 32	1 46	19 57	17 38	23 6	23 11	11 38			n.a.
W28	19 50	22 27	1 18	15 21	0n 4	2 53	1 43	7 16	1 56	21 14	0 50	9 52	2 33	11 36	0 22	14 32	1 46	19 57	17 38	23 6	23 11	11 36			n.a.
T 29	19 36	23 5	0 0	14 39	0 18	2 24	1 50	7 26	1 56	21 10	0 51	9 53	2 33	11 36	0 22	14 32	1 46	19 58	17 39	23 5	23 12	11 34			n.a.
F 30	19 22	22 11	1n20	13 57	0 31	1 55	1 57	7 36	1 56	21 7	0 51	9 54	2 34	11 36	0 22	14 33	1 46	19 59	17 39	23 6	23 12	11 32			n.a.
S 31	19 s 7	19n42	2n35	13 s16	0n45	1 s27	2n 4	7 s45	1n56	21 s 4	0 s51	9n56	2n34	11n37	0 s22	14 s33	1n46	20n 0	17n39	23n 6	23n12	11 s30			n.a.

Julian Day Number = 1540989.5, Delta T = 04h37m42s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'43, Lahiri = -10°46'43 Julian Calendar 1 Jan. 494 BCE == Greg. Calendar 27 Dec. 495 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

FEBRUARY 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 19 3	6♒36'36	27♌43	24♒28	22♓34	24♎45	1♒ 1	10°R52	0♉56	13♏56	20°R20	13°R 6	11♋59	11♓26	n.a.	S 1
M 2	8 23 0	7°36'34	12♍44	25°41	23°28	25°11	1°16	10♍48	0°57	13°56	20♍19	13♋ 3	11°56	11°33	n.a.	M 2
T 3	8 26 56	8°36'31	27°36	26°47	24°21	25°36	1°30	10°45	0°58	13°57	20°18	13° 0	11°52	11°39	n.a.	T 3
W 4	8 30 53	9°36'26	12♎12	27°46	25°13	26° 1	1°44	10°41	0°59	13°58	20°17	12°57	11°49	11°46	n.a.	W 4
T 5	8 34 49	10°36'19	26°27	28°38	26° 5	26°26	1°59	10°38	1° 1	13°58	20°15	12°55	11°46	11°53	n.a.	T 5
F 6	8 38 46	11°36'10	10♏19	29°21	26°56	26°51	2°13	10°34	1° 2	13°59	20°14	12°D54	11°43	12° 0	n.a.	F 6
S 7	8 42 43	12°36'00	23°49	29°56	27°46	27°15	2°27	10°30	1° 3	13°59	20°13	12°54	11°40	12° 6	n.a.	S 7
S 8	8 46 39	13°35'47	6♐57	0♓23	28°36	27°39	2°42	10°27	1° 4	13°59	20°12	12°56	11°37	12°13	n.a.	S 8
M 9	8 50 36	14°35'33	19°47	0°41	29°24	28° 3	2°56	10°23	1° 5	14° 0	20°10	12°57	11°33	12°20	n.a.	M 9
T 10	8 54 32	15°35'18	2♑22	0°51	0♈12	28°26	3°10	10°19	1° 7	14° 0	20° 9	12°59	11°30	12°26	n.a.	T 10
W11	8 58 29	16°35'00	14°44	0°R52	0°59	28°49	3°25	10°15	1° 8	14° 1	20° 8	12°R59	11°27	12°33	n.a.	W11
T 12	9 2 25	17°34'40	26°56	0°44	1°45	29°12	3°39	10°11	1°10	14° 1	20° 7	12°58	11°24	12°40	n.a.	T 12
F 13	9 6 22	18°34'18	9♒ 1	0°29	2°29	29°34	3°53	10° 7	1°11	14° 1	20° 5	12°55	11°21	12°47	n.a.	F 13
S 14	9 10 18	19°33'54	20°59	0° 6	3°13	29°56	4° 7	10° 3	1°13	14° 1	20° 4	12°51	11°18	12°53	n.a.	S 14
S 15	9 14 15	20°33'28	2♓54	29♒35	3°56	0♏18	4°21	9°58	1°14	14° 1	20° 2	12°45	11°14	13° 0	n.a.	S 15
M16	9 18 12	21°33'00	14°45	28°59	4°38	0°39	4°35	9°54	1°16	14° 2	20° 1	12°37	11°11	13° 7	n.a.	M16
T 17	9 22 8	22°32'29	26°36	28°17	5°19	1° 0	4°50	9°50	1°18	14° 2	20° 0	12°30	11° 8	13°13	n.a.	T 17
W18	9 26 5	23°31'56	8♈29	27°31	5°58	1°21	5° 4	9°46	1°19	14° 2	19°58	12°22	11° 5	13°20	n.a.	W18
T 19	9 30 1	24°31'20	20°25	26°42	6°37	1°41	5°18	9°41	1°21	14° 2	19°57	12°16	11° 2	13°27	n.a.	T 19
F 20	9 33 58	25°30'43	2♉29	25°50	7°14	2° 1	5°32	9°37	1°23	14°R 2	19°55	12°11	10°58	13°33	n.a.	F 20
S 21	9 37 54	26°30'03	14°44	24°57	7°49	2°21	5°46	9°32	1°25	14° 2	19°54	12° 9	10°55	13°40	n.a.	S 21
S 22	9 41 51	27°29'20	27°15	24° 4	8°24	2°40	6° 0	9°28	1°27	14° 2	19°52	12°D 8	10°52	13°47	n.a.	S 22
M23	9 45 47	28°28'35	10♊ 5	23°12	8°57	2°59	6°13	9°24	1°29	14° 2	19°51	12° 8	10°49	13°54	n.a.	M23
T 24	9 49 44	29°27'48	23°19	22°22	9°28	3°17	6°27	9°19	1°31	14° 2	19°49	12°10	10°46	14° 0	n.a.	T 24
W25	9 53 40	0♓26'58	7♋ 1	21°35	9°58	3°35	6°41	9°15	1°33	14° 2	19°47	12°R11	10°43	14° 7	n.a.	W25
T 26	9 57 37	1°26'06	21°11	20°52	10°26	3°52	6°55	9°10	1°35	14° 1	19°46	12°10	10°39	14°14	n.a.	T 26
F 27	10 1 34	2°25'11	5♌48	20°13	10°53	4° 9	7° 9	9° 6	1°37	14° 1	19°44	12° 8	10°36	14°20	n.a.	F 27
S 28	10 5 30	3♓24'14	20♌47	19♒38	11♈18	4♏26	7♒22	9♍ 1	1♉39	14♏ 1	19♍43	12♋ 4	10♋33	14♓27	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s52	15n52	3n41	12s36	1n 0	0s59	2n11	7s55	1n56	21s 1	0s51	9n57	2n34	11n37	0s22	14s33	1n46	20n 1	17n40	23n 6	23n12	11s27			n.a.
M 2	18 37	11 2	4 31	11 58	1 14	0 31	2 19	8 5	1 56	20 58	0 51	9 59	2 34	11 37	0 22	14 33	1 46	20 2	17 40	23 6	23 13	11 25			n.a.
T 3	18 21	5 35	5 3	11 21	1 29	0 3	2 26	8 14	1 56	20 55	0 51	10 0	2 34	11 38	0 22	14 33	1 46	20 2	17 41	23 7	23 13	11 23			n.a.
W 4	18 5	0s 5	5 14	10 47	1 44	0n25	2 33	8 23	1 56	20 52	0 51	10 2	2 35	11 38	0 22	14 33	1 46	20 3	17 41	23 7	23 13	11 21			n.a.
T 5	17 48	5 36	5 5	10 16	1 58	0 52	2 40	8 32	1 56	20 49	0 51	10 4	2 35	11 38	0 22	14 33	1 46	20 4	17 42	23 7	23 14	11 19			n.a.
F 6	17 32	10 42	4 39	9 47	2 12	1 20	2 48	8 41	1 56	20 45	0 51	10 5	2 35	11 39	0 22	14 33	1 46	20 5	17 42	23 7	23 14	11 16			n.a.
S 7	17 15	15 8	3 58	9 22	2 26	1 47	2 55	8 50	1 55	20 42	0 51	10 7	2 35	11 39	0 21	14 33	1 46	20 6	17 42	23 7	23 14	11 14			n.a.
S 8	16 58	18 43	3 5	9 0	2 39	2 13	3 3	8 59	1 55	20 39	0 51	10 8	2 35	11 40	0 21	14 34	1 46	20 7	17 43	23 7	23 14	11 12			n.a.
M 9	16 40	21 18	2 4	8 42	2 52	2 40	3 10	9 8	1 55	20 36	0 52	10 10	2 35	11 40	0 21	14 34	1 46	20 7	17 43	23 7	23 15	11 10			n.a.
T 10	16 22	22 46	0 58	8 28	3 3	3 6	3 18	9 16	1 55	20 33	0 52	10 12	2 36	11 41	0 21	14 34	1 46	20 8	17 43	23 7	23 15	11 8			n.a.
W11	16 4	23 5	0s10	8 17	3 14	3 32	3 26	9 25	1 55	20 29	0 52	10 13	2 36	11 41	0 21	14 34	1 46	20 9	17 44	23 7	23 15	11 5			n.a.
T 12	15 46	22 17	1 15	8 11	3 23	3 57	3 33	9 33	1 55	20 26	0 52	10 15	2 36	11 42	0 21	14 34	1 46	20 10	17 44	23 7	23 15	11 3			n.a.
F 13	15 28	20 26	2 17	8 10	3 31	4 23	3 41	9 41	1 54	20 23	0 52	10 17	2 36	11 42	0 21	14 34	1 46	20 11	17 44	23 7	23 16	11 1			n.a.
S 14	15 9	17 43	3 12	8 12	3 37	4 47	3 49	9 49	1 54	20 19	0 52	10 18	2 36	11 43	0 21	14 34	1 46	20 12	17 45	23 7	23 16	10 59			n.a.
S 15	14 50	14 16	3 58	8 18	3 42	5 12	3 57	9 57	1 54	20 16	0 52	10 20	2 36	11 44	0 21	14 34	1 47	20 12	17 45	23 8	23 16	10 56			n.a.
M16	14 30	10 17	4 34	8 28	3 45	5 36	4 5	10 5	1 54	20 13	0 52	10 22	2 37	11 44	0 21	14 34	1 47	20 13	17 45	23 9	23 17	10 54			n.a.
T 17	14 11	5 54	4 57	8 42	3 46	5 59	4 12	10 12	1 53	20 9	0 52	10 24	2 37	11 45	0 21	14 34	1 47	20 14	17 46	23 10	23 17	10 52			n.a.
W18	13 51	1 19	5 8	8 58	3 45	6 22	4 20	10 20	1 53	20 6	0 53	10 26	2 37	11 45	0 21	14 34	1 47	20 15	17 46	23 10	23 17	10 50			n.a.
T 19	13 31	3n22	5 6	9 18	3 42	6 45	4 28	10 27	1 53	20 3	0 53	10 27	2 37	11 46	0 21	14 34	1 47	20 16	17 46	23 11	23 17	10 47			n.a.
F 20	13 11	7 57	4 50	9 40	3 38	7 7	4 36	10 35	1 52	19 59	0 53	10 29	2 37	11 47	0 21	14 34	1 47	20 17	17 47	23 11	23 18	10 45			n.a.
S 21	12 51	12 19	4 21	10 4	3 31	7 29	4 44	10 42	1 52	19 56	0 53	10 31	2 37	11 47	0 21	14 34	1 47	20 17	17 47	23 11	23 18	10 43			n.a.
S 22	12 30	16 15	3 39	10 29	3 23	7 49	4 52	10 49	1 52	19 53	0 53	10 33	2 37	11 48	0 21	14 34	1 47	20 18	17 47	23 12	23 18	10 41			n.a.
M23	12 10	19 33	2 44	10 55	3 13	8 10	4 59	10 56	1 51	19 49	0 53	10 34	2 37	11 49	0 21	14 33	1 47	20 19	17 47	23 12	23 18	10 38			n.a.
T 24	11 49	21 55	1 40	11 22	3 2	8 29	5 7	11 2	1 51	19 46	0 53	10 36	2 37	11 50	0 21	14 33	1 47	20 20	17 48	23 11	23 19	10 36			n.a.
W25	11 28	23 6	0 28	11 49	2 50	8 48	5 15	11 9	1 50	19 43	0 53	10 38	2 38	11 50	0 21	14 33	1 47	20 21	17 48	23 11	23 19	10 34			n.a.
T 26	11 6	22 51	0n48	12 15	2 37	9 7	5 22	11 15	1 50	19 39	0 54	10 40	2 38	11 51	0 21	14 33	1 47	20 22	17 48	23 11	23 19	10 32			n.a.
F 27	10 45	21 4	2 4	12 41	2 23	9 24	5 30	11 21	1 49	19 36	0 54	10 42	2 38	11 52	0 21	14 33	1 47	20 22	17 48	23 12	23 19	10 29			n.a.
S 28	10s23	17n47	3n12	13s 5	2n 9	9n41	5n37	11s28	1n49	19s32	0s54	10n44	2n38	11n53	0s21	14s33	1n47	20n23	17n48	23n12	23n20	10s27			n.a.

Julian Day Number = 1541020.5, Delta T = 04h37m41s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'39, Lahiri = -10°46'39 Julian Calendar 1 Feb. 494 BCE == Greg. Calendar 27 Jan. 494 BCE

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

MARCH 494 BCE (-493) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 9 27	4♓23'15	6♍ 1	19°R 9	11♈41	4♏42	7♒36	8°R56	1♉41	14°R 1	19°R41	11°R58	10♋30	14♓34	n.a.	S 1
M 2	10 13 23	5°22'14	21°19	18♒45	12° 3	4°57	7°50	8♍52	1°44	14♏ 0	19♍40	11♋50	10°27	14°41	n.a.	M 2
T 3	10 17 20	6°21'10	6♎31	18°26	12°22	5°13	8° 3	8°47	1°46	14° 0	19°38	11°41	10°23	14°47	n.a.	T 3
W 4	10 21 16	7°20'05	21°26	18°13	12°40	5°27	8°17	8°43	1°48	14° 0	19°36	11°34	10°20	14°54	n.a.	W 4
T 5	10 25 13	8°18'57	5♏56	18° 6	12°55	5°41	8°30	8°38	1°51	13°59	19°35	11°28	10°17	15° 1	n.a.	T 5
F 6	10 29 9	9°17'48	19°59	18°D 4	13° 9	5°55	8°44	8°33	1°53	13°59	19°33	11°24	10°14	15° 7	n.a.	F 6
S 7	10 33 6	10°16'37	3♐33	18° 8	13°20	6° 8	8°57	8°29	1°55	13°58	19°31	11°22	10°11	15°14	n.a.	S 7
S 8	10 37 3	11°15'24	16°40	18°17	13°29	6°21	9°10	8°24	1°58	13°58	19°30	11°D22	10° 8	15°21	n.a.	S 8
M 9	10 40 59	12°14'10	29°25	18°31	13°36	6°33	9°24	8°20	2° 0	13°57	19°28	11°23	10° 4	15°28	n.a.	M 9
T 10	10 44 56	13°12'54	11♑51	18°50	13°41	6°44	9°37	8°15	2° 3	13°57	19°26	11°R23	10° 1	15°34	n.a.	T 10
W11	10 48 52	14°11'35	24° 4	19°13	13°R43	6°55	9°50	8°10	2° 6	13°56	19°25	11°22	9°58	15°41	n.a.	W11
T 12	10 52 49	15°10'15	6♒ 6	19°41	13°43	7° 5	10° 3	8° 6	2° 8	13°56	19°23	11°19	9°55	15°48	n.a.	T 12
F 13	10 56 45	16° 8'53	18° 2	20°13	13°40	7°15	10°16	8° 1	2°11	13°55	19°21	11°14	9°52	15°54	n.a.	F 13
S 14	11 0 42	17° 7'29	29°54	20°50	13°36	7°24	10°29	7°57	2°13	13°54	19°20	11° 6	9°49	16° 1	n.a.	S 14
S 15	11 4 38	18° 6'03	11♓45	21°30	13°28	7°32	10°42	7°52	2°16	13°54	19°18	10°55	9°45	16° 8	n.a.	S 15
M16	11 8 35	19° 4'35	23°36	22°14	13°18	7°40	10°55	7°48	2°19	13°53	19°16	10°42	9°42	16°15	n.a.	M16
T 17	11 12 31	20° 3'05	5♈29	23° 1	13° 6	7°47	11° 8	7°43	2°22	13°52	19°14	10°29	9°39	16°21	n.a.	T 17
W18	11 16 28	21° 1'33	17°25	23°52	12°51	7°54	11°20	7°39	2°25	13°51	19°13	10°17	9°36	16°28	n.a.	W18
T 19	11 20 25	21°59'58	29°27	24°46	12°34	8° 0	11°33	7°35	2°27	13°50	19°11	10° 6	9°33	16°35	n.a.	T 19
F 20	11 24 21	22°58'22	11♉35	25°43	12°15	8° 5	11°45	7°30	2°30	13°50	19° 9	9°57	9°29	16°41	n.a.	F 20
S 21	11 28 18	23°56'44	23°53	26°43	11°53	8° 9	11°58	7°26	2°33	13°49	19° 8	9°50	9°26	16°48	n.a.	S 21
S 22	11 32 14	24°55'03	6♊24	27°46	11°29	8°13	12°10	7°22	2°36	13°48	19° 6	9°47	9°23	16°55	n.a.	S 22
M23	11 36 11	25°53'20	19°12	28°51	11° 3	8°16	12°23	7°17	2°39	13°47	19° 4	9°46	9°20	17° 2	n.a.	M23
T 24	11 40 7	26°51'35	2♋21	29°59	10°35	8°18	12°35	7°13	2°42	13°46	19° 3	9°46	9°17	17° 8	n.a.	T 24
W25	11 44 4	27°49'48	15°53	1♓10	10° 4	8°20	12°47	7° 9	2°45	13°45	19° 1	9°46	9°14	17°15	n.a.	W25
T 26	11 48 0	28°47'59	29°52	2°23	9°33	8°21	12°59	7° 5	2°48	13°44	18°59	9°44	9°10	17°22	n.a.	T 26
F 27	11 51 57	29°46'07	14♌18	3°38	8°59	8°R21	13°11	7° 1	2°51	13°43	18°58	9°41	9° 7	17°28	n.a.	F 27
S 28	11 55 54	0♈44'14	29° 9	4°55	8°24	8°21	13°23	6°57	2°54	13°42	18°56	9°35	9° 4	17°35	n.a.	S 28
S 29	11 59 50	1°42'18	14♍18	6°15	7°49	8°19	13°35	6°53	2°57	13°41	18°54	9°27	9° 1	17°42	n.a.	S 29
M30	12 3 47	2°40'20	29°35	7°37	7°12	8°17	13°47	6°49	3° 0	13°40	18°53	9°17	8°58	17°48	n.a.	M30
T 31	12 7 43	3♈38'21	14♎51	9♓ 1	6♈34	8♏15	13♒59	6♍45	3♉ 3	13♏39	18♍51	9♋ 6	8♋54	17♓55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	10s 2	13n15	4n 8	13s29	1n54	9n57	5n45	11s34	1n48	19s29	0s54	10n45	2n38	11n53	0s21	14s33	1n47	20n24	17n48	23n13	23n20	10s25			n.a.
M 2	9 40	7 52	4 47	13 51	1 38	10 12	5 52	11 39	1 48	19 25	0 54	10 47	2 38	11 54	0 21	14 33	1 47	20 25	17 49	23 13	23 20	10 22			n.a.
T 3	9 18	2 2	5 4	14 11	1 23	10 27	5 59	11 45	1 47	19 22	0 54	10 49	2 38	11 55	0 21	14 33	1 47	20 26	17 49	23 14	23 21	10 20			n.a.
W 4	8 56	3s49	5 1	14 30	1 8	10 40	6 6	11 51	1 46	19 19	0 54	10 51	2 38	11 56	0 21	14 32	1 47	20 26	17 49	23 15	23 21	10 18			n.a.
T 5	8 34	9 18	4 39	14 46	0 53	10 52	6 13	11 56	1 46	19 15	0 55	10 53	2 38	11 57	0 21	14 32	1 48	20 27	17 49	23 15	23 21	10 16			n.a.
F 6	8 11	14 7	4 0	15 1	0 38	11 4	6 20	12 1	1 45	19 12	0 55	10 54	2 38	11 58	0 21	14 32	1 48	20 28	17 49	23 15	23 21	10 13			n.a.
S 7	7 49	18 4	3 8	15 14	0 23	11 14	6 26	12 6	1 44	19 8	0 55	10 56	2 38	11 58	0 21	14 32	1 48	20 29	17 49	23 16	23 22	10 11			n.a.
S 8	7 26	20 57	2 8	15 25	0 9	11 23	6 32	12 11	1 43	19 5	0 55	10 58	2 38	11 59	0 21	14 32	1 48	20 30	17 49	23 16	23 22	10 9			n.a.
M 9	7 4	22 42	1 4	15 33	0s 5	11 31	6 38	12 16	1 42	19 1	0 55	11 0	2 38	12 0	0 21	14 31	1 48	20 30	17 50	23 16	23 22	10 6			n.a.
T 10	6 41	23 16	0s 3	15 40	0 18	11 38	6 44	12 21	1 41	18 58	0 55	11 1	2 38	12 1	0 21	14 31	1 48	20 31	17 50	23 16	23 22	10 4			n.a.
W11	6 18	22 41	1 7	15 45	0 31	11 44	6 49	12 25	1 41	18 55	0 56	11 3	2 38	12 2	0 21	14 31	1 48	20 32	17 50	23 16	23 22	10 2			n.a.
T 12	5 55	21 3	2 8	15 47	0 43	11 49	6 54	12 29	1 40	18 51	0 56	11 5	2 38	12 3	0 21	14 31	1 48	20 33	17 50	23 16	23 23	9 59			n.a.
F 13	5 32	18 31	3 2	15 48	0 55	11 52	6 58	12 34	1 39	18 48	0 56	11 7	2 38	12 4	0 21	14 31	1 48	20 33	17 50	23 16	23 23	9 57			n.a.
S 14	5 9	15 12	3 48	15 46	1 6	11 54	7 2	12 38	1 38	18 44	0 56	11 8	2 38	12 5	0 21	14 30	1 48	20 34	17 50	23 17	23 23	9 55			n.a.
S 15	4 46	11 18	4 24	15 43	1 16	11 54	7 6	12 41	1 36	18 41	0 56	11 10	2 38	12 6	0 21	14 30	1 48	20 35	17 50	23 18	23 23	9 52			n.a.
M16	4 23	6 58	4 48	15 38	1 26	11 53	7 9	12 45	1 35	18 38	0 56	11 12	2 38	12 7	0 21	14 30	1 48	20 35	17 50	23 19	23 24	9 50			n.a.
T 17	3 59	2 23	5 0	15 31	1 35	11 51	7 12	12 48	1 34	18 34	0 57	11 13	2 38	12 8	0 21	14 30	1 48	20 36	17 50	23 20	23 24	9 48			n.a.
W18	3 36	2n20	4 59	15 22	1 43	11 47	7 14	12 52	1 33	18 31	0 57	11 15	2 38	12 9	0 21	14 29	1 48	20 37	17 50	23 21	23 24	9 45			n.a.
T 19	3 13	6 59	4 45	15 11	1 51	11 42	7 16	12 55	1 32	18 27	0 57	11 17	2 38	12 10	0 21	14 29	1 48	20 37	17 50	23 22	23 24	9 43			n.a.
F 20	2 49	11 26	4 17	14 58	1 59	11 35	7 17	12 58	1 30	18 24	0 57	11 18	2 38	12 11	0 21	14 29	1 48	20 38	17 50	23 23	23 25	9 41			n.a.
S 21	2 26	15 29	3 38	14 44	2 5	11 26	7 17	13 0	1 29	18 21	0 57	11 20	2 38	12 12	0 21	14 28	1 48	20 39	17 50	23 23	23 25	9 38			n.a.
S 22	2 3	18 55	2 47	14 28	2 12	11 16	7 17	13 3	1 28	18 17	0 57	11 22	2 38	12 13	0 20	14 28	1 48	20 39	17 50	23 23	23 25	9 36			n.a.
M23	1 39	21 32	1 47	14 10	2 17	11 5	7 15	13 5	1 26	18 14	0 58	11 23	2 38	12 14	0 20	14 28	1 48	20 40	17 50	23 23	23 25	9 34			n.a.
T 24	1 16	23 5	0 39	13 50	2 22	10 52	7 14	13 8	1 25	18 11	0 58	11 25	2 38	12 15	0 20	14 27	1 48	20 41	17 50	23 23	23 26	9 31			n.a.
W25	0 52	23 20	0n32	13 29	2 26	10 37	7 11	13 10	1 23	18 7	0 58	11 26	2 38	12 16	0 20	14 27	1 48	20 41	17 49	23 23	23 26	9 29			n.a.
T 26	0 29	22 9	1 44	13 5	2 30	10 21	7 7	13 11	1 21	18 4	0 58	11 28	2 38	12 17	0 20	14 27	1 48	20 42	17 49	23 24	23 26	9 27			n.a.
F 27	0 6	19 29	2 52	12 41	2 33	10 4	7 3	13 13	1 20	18 1	0 58	11 29	2 38	12 18	0 20	14 26	1 48	20 42	17 49	23 24	23 26	9 24			n.a.
S 28	0n18	15 30	3 49	12 14	2 35	9 46	6 58	13 15	1 18	17 57	0 59	11 31	2 38	12 19	0 20	14 26	1 49	20 43	17 49	23 24	23 26	9 22			n.a.
S 29	0 41	10 26	4 32	11 46	2 37	9 26	6 52	13 16	1 16	17 54	0 59	11 32	2 38	12 20	0 20	14 26	1 49	20 43	17 49	23 25	23 27	9 20			n.a.
M30	1 5	4 41	4 56	11 16	2 39	9 5	6 46	13 17	1 14	17 51	0 59	11 33	2 38	12 21	0 20	14 25	1 49	20 44	17 49	23 26	23 27	9 17			n.a.
T 31	1n28	1s20	4n59	10s45	2s39	8n43	6n38	13s18	1n12	17s48	0s59	11n35	2n37	12n23	0s20	14s25	1n49	20n44	17n49	23n26	23n27	9s15			n.a.

Julian Day Number = 1541048.5, Delta T = 04h37m39s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'35, Lahiri = -10°46'35 Julian Calendar 1 March 494 BCE == Greg. Calendar 24 Feb. 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

APRIL 494 BCE (-493) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 11 40	4♈36'20	29♎53	10♓27	5°R56	8°R11	14♒10	6°R41	3♉ 7	13°R37	18°R50	8°R55	8♋51	18♓ 2	n.a.	W 1
T 2	12 15 36	5°34'17	14♏33	11°56	5♈18	8♏ 7	14°22	6♍37	3°10	13♏36	18♍48	8♋47	8°48	18° 9	n.a.	T 2
F 3	12 19 33	6°32'13	28°45	13°26	4°40	8° 2	14°34	6°34	3°13	13°35	18°46	8°41	8°45	18°15	n.a.	F 3
S 4	12 23 29	7°30'08	12♐27	14°58	4° 2	7°56	14°45	6°30	3°16	13°34	18°45	8°37	8°42	18°22	n.a.	S 4
S 5	12 27 26	8°28'01	25°40	16°33	3°25	7°49	14°56	6°27	3°20	13°33	18°43	8°36	8°39	18°29	n.a.	S 5
M 6	12 31 23	9°25'53	8♑27	18° 9	2°49	7°42	15° 7	6°23	3°23	13°31	18°42	8°35	8°35	18°35	n.a.	M 6
T 7	12 35 19	10°23'43	20°54	19°47	2°13	7°34	15°18	6°20	3°26	13°30	18°40	8°35	8°32	18°42	n.a.	T 7
W 8	12 39 16	11°21'32	3♒ 4	21°27	1°39	7°25	15°30	6°16	3°29	13°29	18°39	8°34	8°29	18°49	n.a.	W 8
T 9	12 43 12	12°19'20	15° 3	23°10	1° 7	7°16	15°40	6°13	3°33	13°28	18°37	8°31	8°26	18°56	n.a.	T 9
F 10	12 47 9	13°17'06	26°55	24°54	0°36	7° 5	15°51	6°10	3°36	13°26	18°36	8°25	8°23	19° 2	n.a.	F 10
S 11	12 51 5	14°14'51	8♓45	26°40	0° 6	6°54	16° 2	6° 7	3°39	13°25	18°34	8°16	8°20	19° 9	n.a.	S 11
S 12	12 55 2	15°12'35	20°36	28°28	29♓39	6°43	16°13	6° 4	3°43	13°23	18°33	8° 5	8°16	19°16	n.a.	S 12
M13	12 58 58	16°10'17	2♈29	0♈19	29°14	6°30	16°23	6° 1	3°46	13°22	18°31	7°52	8°13	19°23	n.a.	M13
T 14	13 2 55	17° 7'58	14°27	2°11	28°50	6°17	16°33	5°58	3°50	13°21	18°30	7°38	8°10	19°29	n.a.	T 14
W15	13 6 51	18° 5'37	26°31	4° 5	28°30	6° 3	16°44	5°55	3°53	13°19	18°28	7°25	8° 7	19°36	n.a.	W15
T 16	13 10 48	19° 3'15	8♉41	6° 1	28°11	5°49	16°54	5°52	3°56	13°18	18°27	7°13	8° 4	19°43	n.a.	T 16
F 17	13 14 45	20° 0'52	21° 0	7°59	27°55	5°34	17° 4	5°49	4° 0	13°16	18°25	7° 3	8° 0	19°49	n.a.	F 17
S 18	13 18 41	20°58'27	3♊29	9°59	27°41	5°19	17°14	5°47	4° 3	13°15	18°24	6°56	7°57	19°56	n.a.	S 18
S 19	13 22 38	21°56'01	16° 8	12° 1	27°29	5° 2	17°24	5°44	4° 7	13°14	18°23	6°53	7°54	20° 3	n.a.	S 19
M20	13 26 34	22°53'33	29° 2	14° 4	27°20	4°46	17°34	5°42	4°10	13°12	18°21	6°51	7°51	20°10	n.a.	M20
T 21	13 30 31	23°51'04	12♋12	16° 9	27°13	4°29	17°43	5°40	4°14	13°11	18°20	6°D51	7°48	20°16	n.a.	T 21
W22	13 34 27	24°48'33	25°42	18°15	27° 9	4°11	17°53	5°37	4°17	13° 9	18°19	6°R51	7°45	20°23	n.a.	W22
T 23	13 38 24	25°46'01	9♌33	20°23	27°D 7	3°53	18° 2	5°35	4°21	13° 8	18°18	6°50	7°41	20°30	n.a.	T 23
F 24	13 42 20	26°43'27	23°46	22°32	27° 7	3°35	18°11	5°33	4°24	13° 6	18°16	6°48	7°38	20°36	n.a.	F 24
S 25	13 46 17	27°40'51	8♍21	24°42	27°10	3°16	18°20	5°31	4°27	13° 4	18°15	6°43	7°35	20°43	n.a.	S 25
S 26	13 50 14	28°38'15	23°12	26°53	27°15	2°57	18°29	5°29	4°31	13° 3	18°14	6°36	7°32	20°50	n.a.	S 26
M27	13 54 10	29°35'36	8♎14	29° 5	27°22	2°38	18°38	5°28	4°34	13° 1	18°13	6°27	7°29	20°57	n.a.	M27
T 28	13 58 7	0♉32'57	23°16	1♉16	27°32	2°19	18°47	5°26	4°38	13° 0	18°12	6°17	7°26	21° 3	n.a.	T 28
W29	14 2 3	1°30'17	8♏10	3°28	27°43	1°59	18°56	5°24	4°41	12°58	18°11	6° 8	7°22	21°10	n.a.	W29
T 30	14 6 0	2♉27'36	22♏46	5♉39	27♓57	1♏39	19♒ 4	5♍23	4♉45	12♏57	18♍ 9	6♋ 0	7♋19	21♓17	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n51	7s12	4n41	10s12	2s39	8n20	6n30	13s19	1n10	17s44	0s59	11n36	2n37	12n24	0s20	14s25	1n49	20n45	17n49	23n27	23n27	9s12		n.a.
T 2	2 14	12 32	4 4	9 37	2 39	7 57	6 21	13 19	1 8	17 41	1 0	11 37	2 37	12 25	0 20	14 24	1 49	20 45	17 48	23 28	23 27	9 10		n.a.
F 3	2 38	17 0	3 14	9 1	2 38	7 33	6 11	13 19	1 6	17 38	1 0	11 39	2 37	12 26	0 20	14 24	1 49	20 46	17 48	23 28	23 28	9 8		n.a.
S 4	3 1	20 23	2 13	8 24	2 36	7 8	6 1	13 20	1 4	17 35	1 0	11 40	2 37	12 27	0 20	14 23	1 49	20 46	17 48	23 28	23 28	9 5		n.a.
S 5	3 24	22 33	1 8	7 44	2 34	6 43	5 50	13 20	1 2	17 32	1 0	11 41	2 37	12 28	0 20	14 23	1 49	20 47	17 48	23 28	23 28	9 3		n.a.
M 6	3 47	23 28	0 1	7 4	2 31	6 18	5 39	13 19	1 0	17 28	1 0	11 42	2 37	12 29	0 20	14 23	1 49	20 47	17 48	23 28	23 28	9 0		n.a.
T 7	4 10	23 10	1s 5	6 22	2 28	5 53	5 27	13 19	0 57	17 25	1 1	11 44	2 37	12 30	0 20	14 22	1 49	20 48	17 47	23 28	23 29	8 58		n.a.
W 8	4 33	21 46	2 5	5 38	2 24	5 28	5 14	13 18	0 55	17 22	1 1	11 45	2 37	12 32	0 20	14 22	1 49	20 48	17 47	23 28	23 29	8 56		n.a.
T 9	4 56	19 24	3 0	4 53	2 20	5 3	5 1	13 18	0 52	17 19	1 1	11 46	2 36	12 33	0 20	14 21	1 49	20 49	17 47	23 29	23 29	8 53		n.a.
F 10	5 19	16 14	3 46	4 7	2 15	4 38	4 48	13 17	0 50	17 16	1 1	11 47	2 36	12 34	0 20	14 21	1 49	20 49	17 47	23 29	23 29	8 51		n.a.
S 11	5 41	12 25	4 22	3 19	2 9	4 14	4 35	13 15	0 47	17 13	1 1	11 48	2 36	12 35	0 20	14 20	1 49	20 49	17 47	23 30	23 29	8 48		n.a.
S 12	6 4	8 9	4 46	2 30	2 3	3 50	4 21	13 14	0 45	17 10	1 2	11 49	2 36	12 36	0 20	14 20	1 49	20 50	17 46	23 30	23 30	8 46		n.a.
M13	6 26	3 33	4 58	1 39	1 57	3 28	4 7	13 12	0 42	17 7	1 2	11 50	2 36	12 37	0 20	14 20	1 49	20 50	17 46	23 31	23 30	8 44		n.a.
T 14	6 49	1n12	4 58	0 48	1 50	3 5	3 53	13 11	0 39	17 4	1 2	11 51	2 36	12 39	0 20	14 19	1 49	20 50	17 46	23 32	23 30	8 41		n.a.
W15	7 11	5 57	4 44	0n 5	1 42	2 44	3 39	13 9	0 36	17 1	1 2	11 52	2 36	12 40	0 20	14 19	1 49	20 51	17 45	23 33	23 30	8 39		n.a.
T 16	7 33	10 32	4 17	0 59	1 34	2 24	3 25	13 7	0 33	16 58	1 3	11 53	2 35	12 41	0 20	14 18	1 49	20 51	17 45	23 33	23 30	8 36		n.a.
F 17	7 55	14 45	3 37	1 54	1 26	2 5	3 11	13 4	0 30	16 55	1 3	11 54	2 35	12 42	0 20	14 18	1 49	20 51	17 45	23 34	23 31	8 34		n.a.
S 18	8 17	18 24	2 47	2 50	1 17	1 46	2 57	13 2	0 27	16 52	1 3	11 55	2 35	12 43	0 20	14 17	1 49	20 51	17 44	23 34	23 31	8 31		n.a.
S 19	8 39	21 15	1 47	3 46	1 8	1 29	2 44	13 0	0 24	16 50	1 3	11 55	2 35	12 45	0 20	14 17	1 49	20 52	17 44	23 34	23 31	8 29		n.a.
M20	9 1	23 4	0 41	4 44	0 58	1 13	2 30	12 57	0 21	16 47	1 4	11 56	2 35	12 46	0 20	14 16	1 49	20 52	17 44	23 34	23 31	8 27		n.a.
T 21	9 22	23 39	0n28	5 42	0 48	0 58	2 17	12 54	0 18	16 44	1 4	11 57	2 35	12 47	0 20	14 16	1 49	20 52	17 43	23 35	23 31	8 24		n.a.
W22	9 44	22 54	1 38	6 40	0 38	0 44	2 4	12 51	0 15	16 41	1 4	11 57	2 34	12 48	0 20	14 15	1 49	20 52	17 43	23 34	23 32	8 22		n.a.
T 23	10 5	20 44	2 44	7 38	0 28	0 32	1 51	12 48	0 12	16 39	1 4	11 58	2 34	12 49	0 20	14 15	1 49	20 52	17 43	23 35	23 32	8 19		n.a.
F 24	10 26	17 15	3 42	8 37	0 17	0 20	1 38	12 45	0 8	16 36	1 5	11 59	2 34	12 50	0 20	14 15	1 49	20 53	17 42	23 35	23 32	8 17		n.a.
S 25	10 47	12 39	4 27	9 35	0 7	0 10	1 25	12 41	0 5	16 33	1 5	11 59	2 34	12 52	0 20	14 14	1 49	20 53	17 42	23 35	23 32	8 14		n.a.
S 26	11 8	7 14	4 54	10 33	0n 4	0 1	1 13	12 38	0 2	16 31	1 5	12 0	2 34	12 53	0 20	14 14	1 49	20 53	17 42	23 35	23 32	8 12		n.a.
M27	11 28	1 19	5 2	11 31	0 14	0s 7	1 1	12 34	0s 2	16 28	1 5	12 0	2 33	12 54	0 20	14 13	1 49	20 53	17 41	23 36	23 32	8 9		n.a.
T 28	11 49	4s41	4 50	12 27	0 25	0 14	0 50	12 31	0 5	16 26	1 6	12 1	2 33	12 55	0 20	14 13	1 49	20 53	17 41	23 36	23 33	8 7		n.a.
W29	12 9	10 22	4 17	13 23	0 35	0 20	0 39	12 27	0 9	16 23	1 6	12 1	2 33	12 56	0 20	14 12	1 49	20 53	17 40	23 37	23 33	8 5		n.a.
T 30	12n29	15s21	3n28	14n17	0n45	0s24	0n28	12s24	0s12	16s21	1s 6	12n 2	2n33	12n58	0s20	14s12	1n49	20n53	17n40	23n37	23n33	8s 2		n.a.

Julian Day Number = 1541079.5, Delta T = 04h37m38s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'31, Lahiri = -10°46'31 Julian Calendar 1 Apr. 494 BCE == Greg. Calendar 27 March 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

MAY 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 9 56	3♉24'54	6♐58	7♉50	28♓12	1°R20	19♒12	5°R21	4♉49	12°R55	18°R 8	5°R55	7♋16	21♓23	n.a.	F 1
S 2	14 13 53	4°22'11	20°43	10° 0	28°30	1♏ 0	19°21	5♍20	4°52	12♏53	18♍ 7	5♋52	7°13	21°30	n.a.	S 2
S 3	14 17 49	5°19'28	4♑ 0	12° 9	28°49	0°40	19°29	5°19	4°56	12°52	18° 6	5°D51	7°10	21°37	n.a.	S 3
M 4	14 21 46	6°16'44	16°51	14°17	29°10	0°20	19°37	5°18	4°59	12°50	18° 5	5°51	7° 6	21°44	n.a.	M 4
T 5	14 25 43	7°13'59	29°21	16°23	29°33	0° 0	19°45	5°17	5° 3	12°49	18° 4	5°52	7° 3	21°50	n.a.	T 5
W 6	14 29 39	8°11'14	11♒34	18°28	29°57	29♎41	19°52	5°16	5° 6	12°47	18° 3	5°R52	7° 0	21°57	n.a.	W 6
T 7	14 33 36	9° 8'28	23°34	20°30	0♈24	29°21	20° 0	5°15	5°10	12°45	18° 3	5°51	6°57	22° 4	n.a.	T 7
F 8	14 37 32	10° 5'42	5♓28	22°31	0°51	29° 2	20° 7	5°14	5°13	12°44	18° 2	5°48	6°54	22°10	n.a.	F 8
S 9	14 41 29	11° 2'55	17°18	24°30	1°21	28°43	20°14	5°13	5°17	12°42	18° 1	5°42	6°51	22°17	n.a.	S 9
S 10	14 45 25	12° 0'08	29°11	26°26	1°51	28°24	20°22	5°13	5°20	12°41	18° 0	5°35	6°47	22°24	n.a.	S 10
M11	14 49 22	12°57'21	11♈ 8	28°20	2°23	28° 6	20°28	5°12	5°24	12°39	17°59	5°26	6°44	22°31	n.a.	M11
T 12	14 53 18	13°54'32	23°12	0♊12	2°57	27°48	20°35	5°12	5°27	12°37	17°58	5°17	6°41	22°37	n.a.	T 12
W13	14 57 15	14°51'44	5♉25	2° 2	3°32	27°31	20°42	5°12	5°31	12°36	17°58	5° 7	6°38	22°44	n.a.	W13
T 14	15 1 12	15°48'55	17°48	3°49	4° 8	27°14	20°48	5°12	5°34	12°34	17°57	4°59	6°35	22°51	n.a.	T 14
F 15	15 5 8	16°46'05	0♊22	5°34	4°45	26°57	20°55	5°D12	5°38	12°32	17°56	4°53	6°31	22°57	n.a.	F 15
S 16	15 9 5	17°43'15	13° 7	7°17	5°23	26°41	21° 1	5°12	5°41	12°31	17°56	4°48	6°28	23° 4	n.a.	S 16
S 17	15 13 1	18°40'25	26° 4	8°57	6° 2	26°26	21° 7	5°12	5°44	12°29	17°55	4°46	6°25	23°11	n.a.	S 17
M18	15 16 58	19°37'33	9♋13	10°34	6°43	26°11	21°13	5°12	5°48	12°28	17°55	4°D46	6°22	23°18	n.a.	M18
T 19	15 20 54	20°34'42	22°35	12° 9	7°24	25°57	21°18	5°12	5°51	12°26	17°54	4°47	6°19	23°24	n.a.	T 19
W20	15 24 51	21°31'49	6♌11	13°42	8° 7	25°44	21°24	5°13	5°55	12°24	17°53	4°48	6°16	23°31	n.a.	W20
T 21	15 28 48	22°28'56	20° 3	15°12	8°50	25°31	21°29	5°13	5°58	12°23	17°53	4°R49	6°12	23°38	n.a.	T 21
F 22	15 32 44	23°26'03	4♍10	16°40	9°34	25°19	21°35	5°14	6° 2	12°21	17°53	4°49	6° 9	23°45	n.a.	F 22
S 23	15 36 41	24°23'08	18°30	18° 5	10°19	25° 8	21°40	5°15	6° 5	12°20	17°52	4°46	6° 6	23°51	n.a.	S 23
S 24	15 40 37	25°20'14	3♎ 2	19°27	11° 5	24°58	21°44	5°16	6° 8	12°18	17°52	4°43	6° 3	23°58	n.a.	S 24
M25	15 44 34	26°17'18	17°40	20°47	11°52	24°48	21°49	5°17	6°12	12°17	17°51	4°38	6° 0	24° 5	n.a.	M25
T 26	15 48 30	27°14'23	2♏18	22° 4	12°40	24°39	21°54	5°18	6°15	12°15	17°51	4°32	5°57	24°11	n.a.	T 26
W27	15 52 27	28°11'27	16°50	23°19	13°28	24°31	21°58	5°19	6°18	12°13	17°51	4°27	5°53	24°18	n.a.	W27
T 28	15 56 23	29° 8'31	1♐ 8	24°31	14°17	24°24	22° 2	5°20	6°22	12°12	17°50	4°23	5°50	24°25	n.a.	T 28
F 29	16 0 20	0♊ 5'35	15° 8	25°40	15° 7	24°18	22° 6	5°21	6°25	12°10	17°50	4°20	5°47	24°32	n.a.	F 29
S 30	16 4 17	1° 2'40	28°45	26°46	15°57	24°12	22°10	5°23	6°28	12° 9	17°50	4°D18	5°44	24°38	n.a.	S 30
S 31	16 8 13	1♊59'44	11♑59	27♊49	16♈48	24♎ 7	22♒14	5♍24	6♉31	12♏ 7	17♍50	4♋19	5♋41	24♓45	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n49	19s20	2n28	15n10	0n55	0s28	0n17	12s20	0s15	16s18	1s 6	12n 2	2n33	12n59	0s20	14s11	1n49	20n53	17n40	23n37	23n33	8s 0		n.a.
S 2	13 9	22 6	1 20	16 1	1 4	0 30	0 7	12 16	0 19	16 16	1 7	12 2	2 33	13 0	0 20	14 11	1 49	20 53	17 39	23 37	23 33	7 57		n.a.
S 3	13 28	23 32	0 10	16 50	1 13	0 32	0s 3	12 12	0 22	16 14	1 7	12 2	2 32	13 1	0 20	14 10	1 49	20 53	17 39	23 37	23 33	7 55		n.a.
M 4	13 47	23 39	0s59	17 37	1 21	0 32	0 13	12 8	0 26	16 12	1 7	12 3	2 32	13 2	0 20	14 10	1 49	20 53	17 38	23 37	23 34	7 52		n.a.
T 5	14 6	22 33	2 2	18 22	1 28	0 31	0 22	12 5	0 29	16 9	1 8	12 3	2 32	13 4	0 20	14 9	1 49	20 53	17 38	23 37	23 34	7 50		n.a.
W 6	14 25	20 24	2 59	19 5	1 36	0 30	0 31	12 1	0 33	16 7	1 8	12 3	2 32	13 5	0 20	14 9	1 49	20 53	17 37	23 37	23 34	7 47		n.a.
T 7	14 44	17 24	3 47	19 45	1 42	0 27	0 40	11 57	0 36	16 5	1 8	12 3	2 32	13 6	0 20	14 8	1 49	20 53	17 37	23 37	23 34	7 45		n.a.
F 8	15 2	13 43	4 24	20 22	1 48	0 24	0 48	11 53	0 40	16 3	1 8	12 3	2 31	13 7	0 20	14 8	1 49	20 53	17 36	23 38	23 34	7 42		n.a.
S 9	15 20	9 31	4 50	20 58	1 53	0 19	0 57	11 50	0 43	16 1	1 9	12 3	2 31	13 8	0 20	14 7	1 49	20 53	17 36	23 38	23 35	7 40		n.a.
S 10	15 38	4 58	5 4	21 31	1 57	0 14	1 4	11 46	0 47	15 59	1 9	12 3	2 31	13 10	0 20	14 7	1 49	20 53	17 35	23 38	23 35	7 37		n.a.
M11	15 56	0 12	5 4	22 1	2 1	0 8	1 12	11 43	0 50	15 57	1 9	12 3	2 31	13 11	0 20	14 6	1 49	20 53	17 35	23 38	23 35	7 35		n.a.
T 12	16 13	4n38	4 51	22 29	2 4	0 1	1 19	11 39	0 53	15 55	1 9	12 3	2 30	13 12	0 20	14 6	1 49	20 53	17 35	23 39	23 35	7 32		n.a.
W13	16 30	9 21	4 24	22 54	2 6	0n 7	1 26	11 36	0 57	15 53	1 10	12 3	2 30	13 13	0 20	14 5	1 49	20 53	17 34	23 39	23 35	7 30		n.a.
T 14	16 47	13 46	3 45	23 17	2 8	0 15	1 33	11 33	1 0	15 51	1 10	12 3	2 30	13 14	0 20	14 5	1 49	20 52	17 34	23 40	23 35	7 27		n.a.
F 15	17 4	17 39	2 54	23 37	2 8	0 24	1 39	11 30	1 3	15 49	1 10	12 3	2 30	13 16	0 20	14 4	1 49	20 52	17 33	23 40	23 35	7 25		n.a.
S 16	17 20	20 47	1 54	23 55	2 8	0 34	1 45	11 27	1 6	15 48	1 11	12 3	2 30	13 17	0 20	14 4	1 49	20 52	17 32	23 40	23 36	7 22		n.a.
S 17	17 36	22 55	0 47	24 11	2 8	0 44	1 51	11 24	1 9	15 46	1 11	12 2	2 29	13 18	0 20	14 3	1 49	20 52	17 32	23 40	23 36	7 20		n.a.
M18	17 52	23 50	0n24	24 25	2 7	0 55	1 56	11 22	1 12	15 44	1 11	12 2	2 29	13 19	0 20	14 3	1 49	20 52	17 31	23 40	23 36	7 17		n.a.
T 19	18 8	23 24	1 35	24 36	2 5	1 7	2 2	11 19	1 16	15 43	1 12	12 2	2 29	13 20	0 20	14 2	1 49	20 51	17 31	23 40	23 36	7 15		n.a.
W20	18 23	21 35	2 42	24 46	2 2	1 19	2 7	11 17	1 19	15 41	1 12	12 1	2 29	13 21	0 20	14 2	1 49	20 51	17 30	23 40	23 36	7 12		n.a.
T 21	18 38	18 28	3 40	24 53	1 59	1 32	2 11	11 15	1 21	15 40	1 12	12 1	2 29	13 22	0 20	14 1	1 49	20 51	17 30	23 40	23 36	7 10		n.a.
F 22	18 53	14 15	4 27	24 59	1 55	1 46	2 16	11 14	1 24	15 38	1 13	12 1	2 28	13 24	0 20	14 1	1 49	20 50	17 29	23 40	23 37	7 7		n.a.
S 23	19 7	9 9	4 58	25 2	1 50	2 0	2 20	11 12	1 27	15 37	1 13	12 0	2 28	13 25	0 20	14 1	1 49	20 50	17 29	23 40	23 37	7 5		n.a.
S 24	19 21	3 30	5 10	25 4	1 45	2 14	2 24	11 11	1 30	15 36	1 13	12 0	2 28	13 26	0 20	14 0	1 49	20 50	17 28	23 40	23 37	7 2		n.a.
M25	19 35	2s23	5 2	25 4	1 39	2 29	2 28	11 10	1 33	15 34	1 13	11 59	2 28	13 27	0 20	14 0	1 49	20 49	17 28	23 40	23 37	7 0		n.a.
T 26	19 48	8 8	4 35	25 3	1 32	2 44	2 32	11 9	1 35	15 33	1 14	11 58	2 27	13 28	0 20	13 59	1 49	20 49	17 27	23 41	23 37	6 57		n.a.
W27	20 1	13 25	3 50	25 0	1 25	3 0	2 35	11 8	1 38	15 32	1 14	11 58	2 27	13 29	0 20	13 59	1 49	20 49	17 27	23 41	23 37	6 54		n.a.
T 28	20 14	17 52	2 51	24 56	1 17	3 16	2 39	11 8	1 41	15 31	1 14	11 57	2 27	13 30	0 20	13 58	1 49	20 48	17 26	23 41	23 37	6 52		n.a.
F 29	20 26	21 13	1 43	24 50	1 9	3 33	2 42	11 8	1 43	15 30	1 15	11 56	2 27	13 31	0 20	13 58	1 49	20 48	17 25	23 41	23 38	6 49		n.a.
S 30	20 38	23 15	0 30	24 43	1 0	3 50	2 44	11 8	1 46	15 29	1 15	11 56	2 27	13 33	0 20	13 57	1 49	20 47	17 25	23 41	23 38	6 47		n.a.
S 31	20n50	23s54	0s42	24n35	0n51	4n 7	2s47	11s 9	1s48	15s28	1s15	11n55	2n26	13n34	0s20	13s57	1n49	20n47	17n24	23n41	23n38	6s44		n.a.

Julian Day Number = 1541109.5, Delta T = 04h37m37s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'27, Lahiri = -10°46'26 Julian Calendar 1 May 494 BCE == Greg. Calendar 26 Apr. 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

JUNE 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 12 10	2♊56'49	24♉51	28♊49	17♈40	24°R 3	22♒17	5♍26	6♉35	12°R 6	17°R50	4♋20	5♋37	24♓52	n.a.	M 1
T 2	16 16 6	3°53'54	7♒23	29°46	18°32	24♎ 0	22°20	5°28	6°38	12♏ 4	17♍50	4°21	5°34	24°58	n.a.	T 2
W 3	16 20 3	4°50'59	19°38	0♋39	19°25	23°58	22°23	5°29	6°41	12° 3	17°50	4°23	5°31	25° 5	n.a.	W 3
T 4	16 23 59	5°48'05	1♓41	1°30	20°19	23°57	22°26	5°31	6°44	12° 2	17°D50	4°R24	5°28	25°12	n.a.	T 4
F 5	16 27 56	6°45'11	13°36	2°16	21°13	23°D56	22°29	5°33	6°47	12° 0	17°50	4°24	5°25	25°19	n.a.	F 5
S 6	16 31 52	7°42'18	25°29	3° 0	22° 7	23°56	22°32	5°35	6°51	11°59	17°50	4°22	5°22	25°25	n.a.	S 6
S 7	16 35 49	8°39'25	7♈24	3°39	23° 2	23°57	22°34	5°38	6°54	11°57	17°50	4°20	5°18	25°32	n.a.	S 7
M 8	16 39 46	9°36'32	19°24	4°14	23°58	23°59	22°36	5°40	6°57	11°56	17°50	4°17	5°15	25°39	n.a.	M 8
T 9	16 43 42	10°33'40	1♉34	4°46	24°54	24° 2	22°38	5°42	7° 0	11°55	17°50	4°13	5°12	25°46	n.a.	T 9
W10	16 47 39	11°30'49	13°55	5°13	25°51	24° 5	22°40	5°45	7° 3	11°53	17°50	4° 9	5° 9	25°52	n.a.	W10
T 11	16 51 35	12°27'59	26°31	5°36	26°48	24°10	22°41	5°47	7° 6	11°52	17°50	4° 6	5° 6	25°59	n.a.	T 11
F 12	16 55 32	13°25'08	9♊21	5°55	27°45	24°15	22°43	5°50	7° 9	11°50	17°51	4° 4	5° 3	26° 6	n.a.	F 12
S 13	16 59 28	14°22'19	22°25	6° 9	28°43	24°21	22°44	5°53	7°12	11°49	17°51	4° 2	4°59	26°12	n.a.	S 13
S 14	17 3 25	15°19'30	5♋44	6°18	29°41	24°28	22°45	5°55	7°15	11°48	17°51	4°D 2	4°56	26°19	n.a.	S 14
M15	17 7 22	16°16'41	19°17	6°R23	0♉39	24°35	22°46	5°58	7°18	11°47	17°52	4° 2	4°53	26°26	n.a.	M15
T 16	17 11 18	17°13'53	3♌ 1	6°22	1°38	24°43	22°46	6° 1	7°21	11°45	17°52	4° 3	4°50	26°33	n.a.	T 16
W17	17 15 15	18°11'05	16°55	6°17	2°38	24°52	22°47	6° 4	7°24	11°44	17°52	4° 5	4°47	26°39	n.a.	W17
T 18	17 19 11	19° 8'17	0♍58	6° 7	3°37	25° 2	22°47	6° 8	7°26	11°43	17°53	4° 6	4°43	26°46	n.a.	T 18
F 19	17 23 8	20° 5'30	15° 8	5°52	4°37	25°13	22°R47	6°11	7°29	11°42	17°53	4°R 6	4°40	26°53	n.a.	F 19
S 20	17 27 4	21° 2'43	29°22	5°32	5°38	25°24	22°47	6°14	7°32	11°41	17°54	4° 6	4°37	27° 0	n.a.	S 20
S 21	17 31 1	21°59'57	13♎39	5° 8	6°38	25°36	22°47	6°18	7°35	11°39	17°54	4° 5	4°34	27° 6	n.a.	S 21
M22	17 34 57	22°57'10	27°54	4°39	7°39	25°49	22°46	6°21	7°37	11°38	17°55	4° 4	4°31	27°13	n.a.	M22
T 23	17 38 54	23°54'25	12♏ 6	4° 7	8°40	26° 2	22°45	6°25	7°40	11°37	17°56	4° 3	4°28	27°20	n.a.	T 23
W24	17 42 51	24°51'40	26° 9	3°31	9°42	26°16	22°44	6°28	7°43	11°36	17°56	4° 2	4°24	27°26	n.a.	W24
T 25	17 46 47	25°48'56	10♐ 2	2°52	10°44	26°31	22°43	6°32	7°45	11°35	17°57	4° 1	4°21	27°33	n.a.	T 25
F 26	17 50 44	26°46'13	23°39	2°10	11°46	26°47	22°42	6°36	7°48	11°34	17°58	4° 1	4°18	27°40	n.a.	F 26
S 27	17 54 40	27°43'31	7♑ 0	1°27	12°48	27° 3	22°40	6°40	7°51	11°33	17°58	4°D 1	4°15	27°47	n.a.	S 27
S 28	17 58 37	28°40'49	20° 4	0°43	13°51	27°19	22°39	6°44	7°53	11°32	17°59	4° 1	4°12	27°53	n.a.	S 28
M29	18 2 33	29°38'09	2♒49	29♊58	14°54	27°37	22°37	6°48	7°56	11°31	18° 0	4° 1	4° 9	28° 0	n.a.	M29
T 30	18 6 30	0♋35'30	15♒18	29♊14	15♉57	27♎55	22♒35	6♍52	7♉58	11♏30	18♍ 1	4♋ 2	4♋ 5	28♓ 7	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n 1	23s14	1s50	24n25	0n41	4n25	2s49	11s 9	1s50	15s27	1s16	11n54	2n26	13n35	0s20	13s56	1n49	20n46	17n24	23n41	23n38	6s42		n.a.
T 2	21 12	21 25	2 51	24 15	0 30	4 43	2 52	11 10	1 53	15 27	1 16	11 53	2 26	13 36	0 20	13 56	1 49	20 46	17 23	23 41	23 38	6 39		n.a.
W 3	21 23	18 39	3 43	24 4	0 19	5 1	2 54	11 11	1 55	15 26	1 16	11 52	2 26	13 37	0 20	13 56	1 49	20 45	17 23	23 41	23 38	6 37		n.a.
T 4	21 33	15 7	4 24	23 52	0 7	5 20	2 56	11 13	1 57	15 25	1 17	11 51	2 25	13 38	0 20	13 55	1 49	20 45	17 22	23 41	23 38	6 34		n.a.
F 5	21 43	11 1	4 53	23 39	0s 5	5 39	2 57	11 15	1 59	15 25	1 17	11 51	2 25	13 39	0 20	13 55	1 49	20 44	17 22	23 41	23 39	6 31		n.a.
S 6	21 53	6 32	5 10	23 26	0 17	5 58	2 59	11 17	2 1	15 24	1 17	11 50	2 25	13 40	0 20	13 54	1 49	20 44	17 21	23 41	23 39	6 29		n.a.
S 7	22 2	1 49	5 13	23 12	0 30	6 17	3 0	11 19	2 3	15 24	1 18	11 49	2 25	13 41	0 20	13 54	1 49	20 43	17 20	23 41	23 39	6 26		n.a.
M 8	22 11	3n 2	5 3	22 58	0 43	6 37	3 1	11 21	2 5	15 23	1 18	11 47	2 25	13 42	0 20	13 54	1 49	20 43	17 20	23 41	23 39	6 24		n.a.
T 9	22 19	7 49	4 39	22 43	0 57	6 56	3 2	11 24	2 7	15 23	1 18	11 46	2 24	13 43	0 20	13 53	1 49	20 42	17 19	23 41	23 39	6 21		n.a.
W10	22 28	12 23	4 1	22 28	1 11	7 16	3 3	11 27	2 8	15 23	1 19	11 45	2 24	13 44	0 20	13 53	1 49	20 42	17 19	23 41	23 39	6 19		n.a.
T 11	22 35	16 31	3 12	22 13	1 25	7 36	3 4	11 30	2 10	15 22	1 19	11 44	2 24	13 45	0 20	13 52	1 49	20 41	17 18	23 41	23 39	6 16		n.a.
F 12	22 43	19 58	2 12	21 58	1 40	7 57	3 4	11 34	2 12	15 22	1 19	11 43	2 24	13 46	0 20	13 52	1 49	20 40	17 17	23 41	23 39	6 13		n.a.
S 13	22 50	22 29	1 4	21 42	1 54	8 17	3 5	11 37	2 13	15 22	1 20	11 42	2 24	13 47	0 20	13 52	1 49	20 40	17 17	23 42	23 40	6 11		n.a.
S 14	22 56	23 47	0n 9	21 27	2 9	8 37	3 5	11 41	2 15	15 22	1 20	11 41	2 23	13 48	0 20	13 51	1 48	20 39	17 16	23 42	23 40	6 8		n.a.
M15	23 2	23 43	1 23	21 12	2 24	8 58	3 5	11 46	2 17	15 22	1 20	11 39	2 23	13 49	0 20	13 51	1 48	20 38	17 16	23 42	23 40	6 6		n.a.
T 16	23 8	22 13	2 33	20 58	2 38	9 19	3 5	11 50	2 18	15 22	1 21	11 38	2 23	13 50	0 20	13 51	1 48	20 38	17 15	23 41	23 40	6 3		n.a.
W17	23 13	19 23	3 35	20 44	2 53	9 39	3 5	11 55	2 19	15 23	1 21	11 37	2 23	13 51	0 20	13 50	1 48	20 37	17 15	23 41	23 40	6 1		n.a.
T 18	23 18	15 23	4 25	20 30	3 7	10 0	3 5	12 0	2 21	15 23	1 21	11 35	2 23	13 52	0 20	13 50	1 48	20 36	17 14	23 41	23 40	5 58		n.a.
F 19	23 23	10 31	4 59	20 17	3 20	10 21	3 4	12 5	2 22	15 23	1 22	11 34	2 22	13 53	0 20	13 50	1 48	20 36	17 13	23 41	23 40	5 55		n.a.
S 20	23 27	5 3	5 15	20 5	3 33	10 41	3 3	12 10	2 23	15 23	1 22	11 32	2 22	13 54	0 20	13 49	1 48	20 35	17 13	23 41	23 40	5 53		n.a.
S 21	23 31	0s40	5 12	19 54	3 46	11 2	3 3	12 16	2 25	15 24	1 22	11 31	2 22	13 55	0 20	13 49	1 48	20 34	17 12	23 41	23 40	5 50		n.a.
M22	23 34	6 22	4 49	19 43	3 57	11 23	3 2	12 22	2 26	15 24	1 23	11 29	2 22	13 55	0 20	13 49	1 48	20 33	17 12	23 41	23 41	5 48		n.a.
T 23	23 37	11 43	4 9	19 34	4 8	11 43	3 1	12 28	2 27	15 25	1 23	11 28	2 22	13 56	0 20	13 48	1 48	20 33	17 11	23 41	23 41	5 45		n.a.
W24	23 39	16 24	3 14	19 25	4 17	12 4	3 0	12 34	2 28	15 26	1 23	11 26	2 21	13 57	0 20	13 48	1 48	20 32	17 11	23 42	23 41	5 42		n.a.
T 25	23 41	20 7	2 9	19 18	4 25	12 25	2 59	12 40	2 29	15 26	1 24	11 25	2 21	13 58	0 20	13 48	1 48	20 31	17 10	23 42	23 41	5 40		n.a.
F 26	23 43	22 39	0 57	19 13	4 32	12 45	2 57	12 47	2 30	15 27	1 24	11 23	2 21	13 59	0 20	13 48	1 48	20 30	17 9	23 42	23 41	5 37		n.a.
S 27	23 44	23 51	0s17	19 8	4 37	13 5	2 56	12 54	2 31	15 28	1 24	11 21	2 21	14 0	0 20	13 47	1 48	20 29	17 9	23 42	23 41	5 34		n.a.
S 28	23 45	23 41	1 28	19 5	4 40	13 26	2 55	13 1	2 32	15 29	1 25	11 20	2 21	14 1	0 20	13 47	1 48	20 29	17 8	23 42	23 41	5 32		n.a.
M29	23 45	22 16	2 33	19 3	4 42	13 46	2 53	13 8	2 33	15 30	1 25	11 18	2 20	14 1	0 20	13 47	1 48	20 28	17 8	23 42	23 41	5 29		n.a.
T 30	23n45	19s47	3s29	19n 3	4s42	14n 6	2s51	13s15	2s34	15s31	1s25	11n16	2n20	14n 2	0s20	13s47	1n48	20n27	17n 7	23n42	23n41	5s27		n.a.

Julian Day Number = 1541140.5, Delta T = 04h37m36s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'23, Lahiri = -10°46'22 Julian Calendar 1 June 494 BCE == Greg. Calendar 27 May 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

JULY 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 10 26	1♋32'52	27♒33	28°R31	17♉ 1	28♎13	22°R32	6♍56	8♉ 0	11°R29	18♍ 2	4♋ 2	4♋ 2	28♓13	n.a.	W 1
T 2	18 14 23	2°30'16	9♓36	27♊50	18° 5	28°32	22♒30	7° 0	8° 3	11♏28	18° 3	4° 2	3°59	28°20	n.a.	T 2
F 3	18 18 20	3°27'40	21°32	27°13	19° 8	28°52	22°27	7° 5	8° 5	11°28	18° 4	4° 2	3°56	28°27	n.a.	F 3
S 4	18 22 16	4°25'06	3♈26	26°39	20°13	29°12	22°24	7° 9	8° 7	11°27	18° 5	4° 2	3°53	28°34	n.a.	S 4
S 5	18 26 13	5°22'34	15°21	26° 9	21°17	29°33	22°21	7°14	8°10	11°26	18° 6	4° 2	3°49	28°40	n.a.	S 5
M 6	18 30 9	6°20'03	27°22	25°44	22°22	29°54	22°18	7°18	8°12	11°25	18° 7	4° 2	3°46	28°47	n.a.	M 6
T 7	18 34 6	7°17'33	9♉34	25°25	23°27	0♏16	22°14	7°23	8°14	11°24	18° 8	4° 3	3°43	28°54	n.a.	T 7
W 8	18 38 2	8°15'05	22° 0	25°12	24°32	0°38	22°11	7°28	8°16	11°24	18° 9	4° 3	3°40	29° 1	n.a.	W 8
T 9	18 41 59	9°12'38	4♊43	25° 5	25°37	1° 1	22° 7	7°33	8°18	11°23	18°10	4° 4	3°37	29° 7	n.a.	T 9
F 10	18 45 55	10°10'13	17°46	25°D 5	26°43	1°24	22° 3	7°37	8°20	11°22	18°11	4° 4	3°34	29°14	n.a.	F 10
S 11	18 49 52	11° 7'50	1♋ 9	25°12	27°48	1°48	21°59	7°42	8°22	11°22	18°12	4°R 4	3°30	29°21	n.a.	S 11
S 12	18 53 49	12° 5'28	14°50	25°26	28°54	2°12	21°55	7°47	8°24	11°21	18°14	4° 4	3°27	29°27	n.a.	S 12
M13	18 57 45	13° 3'07	28°49	25°47	0♊ 0	2°37	21°50	7°52	8°26	11°21	18°15	4° 4	3°24	29°34	n.a.	M13
T 14	19 1 42	14° 0'47	13♌ 0	26°15	1° 7	3° 2	21°45	7°58	8°28	11°20	18°16	4° 3	3°21	29°41	n.a.	T 14
W15	19 5 38	14°58'29	27°20	26°50	2°13	3°28	21°41	8° 3	8°30	11°20	18°18	4° 1	3°18	29°48	n.a.	W15
T 16	19 9 35	15°56'12	11♍44	27°32	3°20	3°54	21°36	8° 8	8°32	11°19	18°19	4° 0	3°15	29°54	n.a.	T 16
F 17	19 13 31	16°53'56	26° 8	28°22	4°26	4°21	21°30	8°13	8°34	11°19	18°20	3°59	3°11	0♈ 1	n.a.	F 17
S 18	19 17 28	17°51'41	10♎27	29°18	5°33	4°48	21°25	8°19	8°35	11°18	18°22	3°58	3° 8	0° 8	n.a.	S 18
S 19	19 21 24	18°49'28	24°38	0♋20	6°40	5°15	21°20	8°24	8°37	11°18	18°23	3°D58	3° 5	0°15	n.a.	S 19
M20	19 25 21	19°47'16	8♏39	1°29	7°48	5°43	21°14	8°30	8°39	11°18	18°25	3°59	3° 2	0°21	n.a.	M20
T 21	19 29 18	20°45'05	22°29	2°44	8°55	6°12	21° 8	8°35	8°40	11°17	18°26	4° 0	2°59	0°28	n.a.	T 21
W22	19 33 14	21°42'56	6♐ 7	4° 5	10° 3	6°40	21° 2	8°41	8°42	11°17	18°28	4° 1	2°55	0°35	n.a.	W22
T 23	19 37 11	22°40'48	19°33	5°31	11°10	7° 9	20°56	8°47	8°43	11°17	18°29	4° 2	2°52	0°41	n.a.	T 23
F 24	19 41 7	23°38'41	2♑45	7° 1	12°18	7°39	20°50	8°52	8°45	11°16	18°31	4°R 3	2°49	0°48	n.a.	F 24
S 25	19 45 4	24°36'36	15°45	8°37	13°26	8° 8	20°44	8°58	8°46	11°16	18°32	4° 2	2°46	0°55	n.a.	S 25
S 26	19 49 0	25°34'33	28°31	10°16	14°35	8°39	20°37	9° 4	8°48	11°16	18°34	4° 1	2°43	1° 2	n.a.	S 26
M27	19 52 57	26°32'32	11♒ 5	11°59	15°43	9° 9	20°31	9°10	8°49	11°16	18°36	3°58	2°40	1° 8	n.a.	M27
T 28	19 56 54	27°30'32	23°26	13°46	16°52	9°40	20°24	9°16	8°50	11°16	18°37	3°55	2°36	1°15	n.a.	T 28
W29	20 0 50	28°28'34	5♓36	15°34	18° 0	10°11	20°17	9°22	8°51	11°16	18°39	3°51	2°33	1°22	n.a.	W29
T 30	20 4 47	29°26'38	17°38	17°25	19° 9	10°42	20°10	9°28	8°53	11°16	18°41	3°47	2°30	1°29	n.a.	T 30
F 31	20 8 43	0♌24'44	29♓33	19♋18	20♊18	11♏14	20♒ 3	9♍34	8♉54	11°D16	18♍42	3♋43	2♋27	1♈35	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23n45	16s28	4s15	19n 5	4s40	14n26	2s49	13s23	2s34	15s32	1s26	11n15	2n20	14n 3	0s20	13s46	1n48	20n26	17n 7	23n42	23n42	5s24			n.a.
T 2	23 44	12 31	4 49	19 8	4 36	14 46	2 48	13 30	2 35	15 33	1 26	11 13	2 20	14 4	0 20	13 46	1 48	20 25	17 6	23 42	23 42	5 21			n.a.
F 3	23 43	8 7	5 9	19 12	4 31	15 5	2 46	13 38	2 36	15 34	1 26	11 11	2 20	14 4	0 20	13 46	1 48	20 24	17 6	23 42	23 42	5 19			n.a.
S 4	23 41	3 27	5 17	19 19	4 24	15 24	2 44	13 46	2 37	15 35	1 27	11 9	2 20	14 5	0 20	13 46	1 48	20 23	17 5	23 42	23 42	5 16			n.a.
S 5	23 39	1n21	5 11	19 26	4 16	15 43	2 41	13 54	2 37	15 37	1 27	11 7	2 19	14 6	0 20	13 46	1 47	20 23	17 4	23 42	23 42	5 13			n.a.
M 6	23 36	6 9	4 51	19 35	4 6	16 2	2 39	14 2	2 38	15 38	1 27	11 5	2 19	14 7	0 20	13 45	1 47	20 22	17 4	23 42	23 42	5 11			n.a.
T 7	23 33	10 47	4 18	19 46	3 55	16 21	2 37	14 11	2 39	15 39	1 27	11 3	2 19	14 7	0 20	13 45	1 47	20 21	17 3	23 42	23 42	5 8			n.a.
W 8	23 30	15 5	3 33	19 58	3 42	16 39	2 34	14 19	2 39	15 41	1 28	11 2	2 19	14 8	0 20	13 45	1 47	20 20	17 3	23 42	23 42	5 6			n.a.
T 9	23 26	18 49	2 36	20 11	3 29	16 58	2 32	14 28	2 40	15 42	1 28	11 0	2 19	14 9	0 20	13 45	1 47	20 19	17 2	23 41	23 42	5 3			n.a.
F 10	23 22	21 42	1 29	20 25	3 15	17 15	2 29	14 37	2 40	15 44	1 28	10 58	2 19	14 9	0 20	13 45	1 47	20 18	17 2	23 41	23 42	5 0			n.a.
S 11	23 17	23 29	0 16	20 40	3 0	17 33	2 27	14 46	2 41	15 46	1 29	10 56	2 18	14 10	0 20	13 45	1 47	20 17	17 1	23 41	23 42	4 58			n.a.
S 12	23 12	23 54	0n59	20 56	2 45	17 50	2 24	14 55	2 41	15 47	1 29	10 54	2 18	14 11	0 20	13 44	1 47	20 16	17 1	23 41	23 43	4 55			n.a.
M13	23 6	22 50	2 13	21 13	2 29	18 7	2 21	15 4	2 41	15 49	1 29	10 51	2 18	14 11	0 20	13 44	1 47	20 15	17 0	23 41	23 43	4 52			n.a.
T 14	23 0	20 18	3 19	21 29	2 13	18 24	2 18	15 13	2 42	15 51	1 30	10 49	2 18	14 12	0 20	13 44	1 47	20 14	17 0	23 42	23 43	4 50			n.a.
W15	22 54	16 31	4 14	21 47	1 56	18 40	2 16	15 22	2 42	15 53	1 30	10 47	2 18	14 13	0 20	13 44	1 47	20 13	16 59	23 42	23 43	4 47			n.a.
T 16	22 47	11 45	4 52	22 4	1 40	18 56	2 13	15 32	2 42	15 55	1 30	10 45	2 18	14 13	0 20	13 44	1 47	20 12	16 59	23 42	23 43	4 44			n.a.
F 17	22 40	6 20	5 13	22 21	1 24	19 11	2 10	15 41	2 43	15 57	1 30	10 43	2 18	14 14	0 20	13 44	1 47	20 11	16 58	23 42	23 43	4 42			n.a.
S 18	22 33	0 37	5 14	22 37	1 8	19 26	2 7	15 51	2 43	15 59	1 31	10 41	2 17	14 14	0 20	13 44	1 47	20 10	16 58	23 42	23 43	4 39			n.a.
S 19	22 25	5s 5	4 56	22 53	0 52	19 41	2 4	16 0	2 43	16 1	1 31	10 39	2 17	14 15	0 20	13 44	1 47	20 9	16 57	23 42	23 43	4 36			n.a.
M20	22 16	10 28	4 20	23 8	0 37	19 55	2 0	16 10	2 44	16 3	1 31	10 36	2 17	14 15	0 20	13 44	1 47	20 8	16 57	23 42	23 43	4 34			n.a.
T 21	22 8	15 15	3 30	23 21	0 22	20 9	1 57	16 20	2 44	16 5	1 31	10 34	2 17	14 16	0 20	13 44	1 47	20 7	16 56	23 42	23 43	4 31			n.a.
W22	21 59	19 11	2 28	23 33	0 8	20 22	1 54	16 30	2 44	16 7	1 32	10 32	2 17	14 16	0 20	13 44	1 46	20 6	16 56	23 42	23 43	4 28			n.a.
T 23	21 49	22 1	1 19	23 44	0n 5	20 35	1 51	16 40	2 44	16 9	1 32	10 30	2 17	14 17	0 20	13 44	1 46	20 5	16 55	23 42	23 43	4 26			n.a.
F 24	21 39	23 36	0 7	23 52	0 18	20 48	1 47	16 49	2 44	16 12	1 32	10 27	2 17	14 17	0 20	13 44	1 46	20 4	16 55	23 42	23 43	4 23			n.a.
S 25	21 29	23 52	1s 4	23 58	0 30	20 59	1 44	16 59	2 44	16 14	1 32	10 25	2 17	14 18	0 20	13 44	1 46	20 3	16 54	23 42	23 44	4 20			n.a.
S 26	21 18	22 51	2 11	24 2	0 41	21 11	1 41	17 9	2 44	16 16	1 33	10 23	2 16	14 18	0 20	13 44	1 46	20 2	16 54	23 42	23 44	4 18			n.a.
M27	21 7	20 43	3 10	24 4	0 52	21 22	1 37	17 19	2 44	16 18	1 33	10 20	2 16	14 19	0 20	13 44	1 46	20 1	16 54	23 42	23 44	4 15			n.a.
T 28	20 56	17 38	3 59	24 3	1 1	21 32	1 34	17 30	2 44	16 21	1 33	10 18	2 16	14 19	0 20	13 44	1 46	20 0	16 53	23 42	23 44	4 12			n.a.
W29	20 44	13 51	4 36	23 59	1 10	21 42	1 30	17 40	2 44	16 23	1 33	10 15	2 16	14 19	0 20	13 44	1 46	19 59	16 53	23 42	23 44	4 10			n.a.
T 30	20 32	9 33	5 1	23 53	1 18	21 52	1 27	17 50	2 44	16 26	1 33	10 13	2 16	14 20	0 20	13 44	1 46	19 57	16 52	23 42	23 44	4 7			n.a.
F 31	20n20	4s57	5s12	23n44	1n24	22n 0	1s24	18s 0	2s44	16s28	1s34	10n11	2n16	14n20	0s20	13s44	1n46	19n56	16n52	23n42	23n44	4s 4			n.a.

Julian Day Number = 1541170.5, Delta T = 04h37m34s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'19, Lahiri = -10°46'18 Julian Calendar 1 July 494 BCE == Greg. Calendar 26 June 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

AUGUST 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 12 40	1♌22'52	11♈25	21♋13	21♊27	11♏46	19°R56	9♍40	8♉55	11♏16	18♍44	3°R40	2♋24	1♈42	n.a.	S 1
S 2	20 16 36	2°21'02	23°19	23° 8	22°36	12°19	19♒49	9°46	8°56	11°16	18°46	3♋39	2°21	1°49	n.a.	S 2
M 3	20 20 33	3°19'14	5♉18	25° 4	23°46	12°51	19°41	9°52	8°57	11°16	18°48	3°D38	2°17	1°55	n.a.	M 3
T 4	20 24 29	4°17'29	17°28	27° 0	24°55	13°24	19°34	9°59	8°58	11°16	18°50	3°39	2°14	2° 2	n.a.	T 4
W 5	20 28 26	5°15'45	29°53	28°57	26° 5	13°57	19°27	10° 5	8°59	11°16	18°51	3°41	2°11	2° 9	n.a.	W 5
T 6	20 32 22	6°14'04	12♊38	0♌53	27°15	14°31	19°19	10°11	8°59	11°16	18°53	3°42	2° 8	2°16	n.a.	T 6
F 7	20 36 19	7°12'25	25°45	2°49	28°24	15° 5	19°11	10°18	9° 0	11°17	18°55	3°43	2° 5	2°22	n.a.	F 7
S 8	20 40 16	8°10'49	9♋18	4°45	29°34	15°39	19° 4	10°24	9° 1	11°17	18°57	3°R43	2° 1	2°29	n.a.	S 8
S 9	20 44 12	9° 9'14	23°15	6°40	0♋45	16°13	18°56	10°31	9° 2	11°17	18°59	3°42	1°58	2°36	n.a.	S 9
M10	20 48 9	10° 7'41	7♌35	8°34	1°55	16°48	18°48	10°37	9° 2	11°18	19° 1	3°39	1°55	2°42	n.a.	M10
T 11	20 52 5	11° 6'11	22°12	10°28	3° 5	17°23	18°40	10°44	9° 3	11°18	19° 3	3°34	1°52	2°49	n.a.	T 11
W12	20 56 2	12° 4'42	7♍ 0	12°20	4°16	17°58	18°32	10°50	9° 3	11°18	19° 5	3°29	1°49	2°56	n.a.	W12
T 13	20 59 58	13° 3'15	21°51	14°12	5°26	18°33	18°24	10°57	9° 4	11°19	19° 7	3°23	1°46	3° 3	n.a.	T 13
F 14	21 3 55	14° 1'50	6♎36	16° 3	6°37	19° 9	18°16	11° 4	9° 4	11°19	19° 9	3°18	1°42	3° 9	n.a.	F 14
S 15	21 7 51	15° 0'26	21° 9	17°52	7°48	19°45	18° 8	11°10	9° 4	11°20	19°11	3°14	1°39	3°16	n.a.	S 15
S 16	21 11 48	15°59'05	5♏25	19°41	8°59	20°21	18° 0	11°17	9° 5	11°20	19°13	3°11	1°36	3°23	n.a.	S 16
M17	21 15 45	16°57'45	19°23	21°29	10°10	20°57	17°52	11°24	9° 5	11°21	19°15	3°D11	1°33	3°30	n.a.	M17
T 18	21 19 41	17°56'27	3♐ 2	23°15	11°21	21°34	17°44	11°31	9° 5	11°21	19°18	3°12	1°30	3°36	n.a.	T 18
W19	21 23 38	18°55'11	16°23	25° 1	12°32	22°11	17°36	11°37	9° 5	11°22	19°20	3°13	1°27	3°43	n.a.	W19
T 20	21 27 34	19°53'57	29°28	26°46	13°43	22°48	17°28	11°44	9° 5	11°23	19°22	3°R14	1°23	3°50	n.a.	T 20
F 21	21 31 31	20°52'44	12♑20	28°29	14°55	23°25	17°20	11°51	9° 6	11°23	19°24	3°14	1°20	3°56	n.a.	F 21
S 22	21 35 27	21°51'34	24°59	0♒12	16° 6	24° 2	17°12	11°58	9°R 6	11°24	19°26	3°11	1°17	4° 3	n.a.	S 22
S 23	21 39 24	22°50'25	7♓28	1°53	17°18	24°40	17° 5	12° 5	9° 5	11°25	19°28	3° 7	1°14	4°10	n.a.	S 23
M24	21 43 20	23°49'19	19°47	3°34	18°29	25°18	16°57	12°12	9° 5	11°26	19°31	3° 0	1°11	4°17	n.a.	M24
T 25	21 47 17	24°48'14	1♈58	5°14	19°41	25°56	16°49	12°19	9° 5	11°26	19°33	2°51	1° 7	4°23	n.a.	T 25
W26	21 51 14	25°47'12	14° 2	6°53	20°53	26°34	16°41	12°26	9° 5	11°27	19°35	2°41	1° 4	4°30	n.a.	W26
T 27	21 55 10	26°46'12	25°59	8°31	22° 5	27°12	16°33	12°33	9° 5	11°28	19°37	2°30	1° 1	4°37	n.a.	T 27
F 28	21 59 7	27°45'14	7♉52	10° 8	23°17	27°50	16°25	12°40	9° 4	11°29	19°40	2°21	0°58	4°44	n.a.	F 28
S 29	22 3 3	28°44'19	19°43	11°44	24°29	28°29	16°18	12°47	9° 4	11°30	19°42	2°12	0°55	4°50	n.a.	S 29
S 30	22 7 0	29°43'25	1♊35	13°19	25°42	29° 8	16°10	12°54	9° 4	11°31	19°44	2° 6	0°52	4°57	n.a.	S 30
M31	22 10 56	0♍42'35	13♊33	14♍53	26♋54	29♏47	16♒ 3	13♍ 1	9♉ 3	11♏32	19♍47	2♋ 2	0♋48	5♈ 4	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n 7	0s10	5s10	23n32	1n30	22n 9	1s20	18s10	2s44	16s31	1s34	10n 8	2n16	14n20	0s20	13s44	1n46	19n55	16n51	23n42	23n44	4s 1		n.a.
S 2	19 54	4n37	4 55	23 18	1 35	22 16	1 16	18 20	2 44	16 33	1 34	10 6	2 16	14 21	0 20	13 44	1 46	19 54	16 51	23 42	23 44	3 59		n.a.
M 3	19 40	9 16	4 27	23 2	1 39	22 24	1 13	18 30	2 44	16 36	1 34	10 3	2 16	14 21	0 20	13 44	1 46	19 53	16 51	23 42	23 44	3 56		n.a.
T 4	19 26	13 39	3 46	22 42	1 43	22 30	1 9	18 40	2 44	16 38	1 34	10 1	2 15	14 21	0 20	13 44	1 46	19 52	16 50	23 42	23 44	3 53		n.a.
W 5	19 12	17 33	2 54	22 21	1 45	22 36	1 6	18 50	2 44	16 41	1 35	9 58	2 15	14 22	0 20	13 44	1 46	19 51	16 50	23 42	23 44	3 51		n.a.
T 6	18 58	20 45	1 53	21 58	1 47	22 41	1 2	19 0	2 44	16 43	1 35	9 56	2 15	14 22	0 20	13 44	1 45	19 50	16 50	23 42	23 44	3 48		n.a.
F 7	18 43	22 58	0 43	21 32	1 48	22 46	0 59	19 11	2 44	16 46	1 35	9 53	2 15	14 22	0 20	13 45	1 45	19 49	16 49	23 42	23 44	3 45		n.a.
S 8	18 28	23 56	0n30	21 5	1 48	22 50	0 55	19 21	2 43	16 48	1 35	9 51	2 15	14 22	0 20	13 45	1 45	19 48	16 49	23 42	23 44	3 43		n.a.
S 9	18 12	23 26	1 44	20 35	1 48	22 54	0 51	19 31	2 43	16 51	1 35	9 48	2 15	14 23	0 20	13 45	1 45	19 46	16 48	23 42	23 44	3 40		n.a.
M10	17 56	21 25	2 54	20 5	1 47	22 57	0 48	19 41	2 43	16 54	1 35	9 45	2 15	14 23	0 20	13 45	1 45	19 45	16 48	23 42	23 44	3 37		n.a.
T 11	17 40	17 57	3 53	19 32	1 46	22 59	0 44	19 50	2 43	16 56	1 35	9 43	2 15	14 23	0 20	13 45	1 45	19 44	16 48	23 42	23 44	3 34		n.a.
W12	17 24	13 20	4 37	18 59	1 44	23 0	0 41	20 0	2 42	16 59	1 36	9 40	2 15	14 23	0 20	13 45	1 45	19 43	16 47	23 43	23 45	3 32		n.a.
T 13	17 7	7 54	5 3	18 24	1 41	23 1	0 37	20 10	2 42	17 1	1 36	9 38	2 15	14 23	0 20	13 46	1 45	19 42	16 47	23 43	23 45	3 29		n.a.
F 14	16 50	2 4	5 9	17 48	1 38	23 2	0 34	20 20	2 42	17 4	1 36	9 35	2 15	14 23	0 20	13 46	1 45	19 41	16 47	23 43	23 45	3 26		n.a.
S 15	16 33	3s49	4 55	17 11	1 35	23 1	0 30	20 30	2 42	17 7	1 36	9 32	2 15	14 23	0 20	13 46	1 45	19 40	16 46	23 43	23 45	3 24		n.a.
S 16	16 15	9 23	4 22	16 33	1 31	23 0	0 27	20 39	2 41	17 9	1 36	9 30	2 14	14 23	0 20	13 46	1 45	19 39	16 46	23 43	23 45	3 21		n.a.
M17	15 57	14 22	3 35	15 54	1 27	22 59	0 23	20 49	2 41	17 12	1 36	9 27	2 14	14 24	0 20	13 46	1 45	19 38	16 46	23 43	23 45	3 18		n.a.
T 18	15 39	18 30	2 36	15 15	1 23	22 56	0 20	20 58	2 41	17 14	1 36	9 24	2 14	14 24	0 20	13 47	1 45	19 36	16 46	23 43	23 45	3 15		n.a.
W19	15 21	21 34	1 30	14 34	1 18	22 53	0 16	21 8	2 40	17 17	1 36	9 22	2 14	14 24	0 20	13 47	1 45	19 35	16 45	23 43	23 45	3 13		n.a.
T 20	15 2	23 25	0 20	13 54	1 13	22 50	0 13	21 17	2 40	17 20	1 36	9 19	2 14	14 24	0 20	13 47	1 45	19 34	16 45	23 43	23 45	3 10		n.a.
F 21	14 43	23 59	0s49	13 12	1 7	22 45	0 9	21 26	2 39	17 22	1 36	9 16	2 14	14 24	0 20	13 47	1 45	19 33	16 45	23 43	23 45	3 7		n.a.
S 22	14 24	23 17	1 54	12 31	1 2	22 40	0 6	21 36	2 39	17 25	1 36	9 14	2 14	14 24	0 20	13 48	1 44	19 32	16 44	23 43	23 45	3 4		n.a.
S 23	14 5	21 26	2 53	11 49	0 56	22 35	0 3	21 45	2 39	17 27	1 36	9 11	2 14	14 24	0 20	13 48	1 44	19 31	16 44	23 43	23 45	3 2		n.a.
M24	13 45	18 36	3 43	11 6	0 50	22 28	0n 1	21 54	2 38	17 30	1 36	9 8	2 14	14 24	0 20	13 48	1 44	19 30	16 44	23 43	23 45	2 59		n.a.
T 25	13 26	14 59	4 22	10 24	0 44	22 21	0 4	22 3	2 38	17 32	1 36	9 5	2 14	14 24	0 20	13 49	1 44	19 29	16 44	23 43	23 45	2 56		n.a.
W26	13 5	10 48	4 49	9 41	0 38	22 14	0 7	22 11	2 37	17 34	1 36	9 3	2 14	14 23	0 20	13 49	1 44	19 28	16 44	23 44	23 45	2 54		n.a.
T 27	12 45	6 14	5 3	8 58	0 31	22 5	0 10	22 20	2 37	17 37	1 36	9 0	2 14	14 23	0 20	13 49	1 44	19 26	16 43	23 44	23 45	2 51		n.a.
F 28	12 25	1 28	5 3	8 15	0 25	21 56	0 14	22 28	2 36	17 39	1 36	8 57	2 14	14 23	0 20	13 50	1 44	19 25	16 43	23 44	23 45	2 48		n.a.
S 29	12 4	3n20	4 51	7 32	0 18	21 47	0 17	22 37	2 36	17 42	1 36	8 54	2 14	14 23	0 20	13 50	1 44	19 24	16 43	23 44	23 45	2 45		n.a.
S 30	11 43	8 2	4 26	6 49	0 11	21 37	0 20	22 45	2 35	17 44	1 36	8 52	2 14	14 23	0 20	13 50	1 44	19 23	16 43	23 44	23 45	2 43		n.a.
M31	11n22	12n28	3s49	6n 5	0n 4	21n26	0n23	22s53	2s35	17s46	1s36	8n49	2n14	14n23	0s20	13s51	1n44	19n22	16n43	23n44	23n45	2s40		n.a.

Julian Day Number = 1541201.5, Delta T = 04h37m33s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'14, Lahiri = -10°46'14 Julian Calendar 1 Aug. 494 BCE == Greg. Calendar 27 July 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

SEPTEMBER 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 14 53	1♍41'46	25♉39	16♍27	28♋ 7	0♐26	15°R55	13♍ 8	9°R 3	11♏33	19♍49	2°R 0	0♋45	5♈10	n.a.	T 1
W 2	22 18 49	2°41'00	8♊ 0	18° 0	29°19	1° 5	15♒48	13°15	9♉ 2	11°34	19°51	2°D 0	0°42	5°17	n.a.	W 2
T 3	22 22 46	3°40'17	20°40	19°32	0♌32	1°45	15°41	13°22	9° 2	11°35	19°53	2♋ 1	0°39	5°24	n.a.	T 3
F 4	22 26 42	4°39'36	3♋44	21° 3	1°44	2°24	15°34	13°30	9° 1	11°36	19°56	2°R 1	0°36	5°31	n.a.	F 4
S 5	22 30 39	5°38'58	17°15	22°33	2°57	3° 4	15°26	13°37	9° 0	11°37	19°58	2° 0	0°32	5°37	n.a.	S 5
S 6	22 34 36	6°38'22	1♌16	24° 3	4°10	3°44	15°19	13°44	8°59	11°38	20° 1	1°57	0°29	5°44	n.a.	S 6
M 7	22 38 32	7°37'48	15°44	25°31	5°23	4°24	15°13	13°51	8°59	11°40	20° 3	1°51	0°26	5°51	n.a.	M 7
T 8	22 42 29	8°37'16	0♍36	26°59	6°36	5° 4	15° 6	13°58	8°58	11°41	20° 5	1°43	0°23	5°57	n.a.	T 8
W 9	22 46 25	9°36'47	15°44	28°26	7°49	5°45	14°59	14° 5	8°57	11°42	20° 8	1°33	0°20	6° 4	n.a.	W 9
T 10	22 50 22	10°36'20	0♎57	29°52	9° 2	6°25	14°53	14°13	8°56	11°43	20°10	1°23	0°17	6°11	n.a.	T 10
F 11	22 54 18	11°35'54	16° 5	1♎18	10°16	7° 6	14°46	14°20	8°55	11°45	20°12	1°13	0°13	6°18	n.a.	F 11
S 12	22 58 15	12°35'31	0♏57	2°42	11°29	7°46	14°40	14°27	8°54	11°46	20°15	1° 5	0°10	6°24	n.a.	S 12
S 13	23 2 11	13°35'10	15°28	4° 6	12°42	8°27	14°34	14°34	8°53	11°48	20°17	1° 0	0° 7	6°31	n.a.	S 13
M14	23 6 8	14°34'50	29°33	5°28	13°56	9° 8	14°28	14°41	8°51	11°49	20°20	0°57	0° 4	6°38	n.a.	M14
T 15	23 10 4	15°34'33	13♐13	6°50	15° 9	9°49	14°22	14°49	8°50	11°50	20°22	0°D57	0° 1	6°45	n.a.	T 15
W16	23 14 1	16°34'17	26°28	8°10	16°23	10°31	14°17	14°56	8°49	11°52	20°24	0°R57	29♊58	6°51	n.a.	W16
T 17	23 17 58	17°34'03	9♑24	9°30	17°37	11°12	14°11	15° 3	8°48	11°53	20°27	0°57	29°54	6°58	n.a.	T 17
F 18	23 21 54	18°33'51	22° 2	10°48	18°50	11°53	14° 6	15°10	8°46	11°55	20°29	0°55	29°51	7° 5	n.a.	F 18
S 19	23 25 51	19°33'40	4♒27	12° 5	20° 4	12°35	14° 1	15°17	8°45	11°56	20°32	0°51	29°48	7°11	n.a.	S 19
S 20	23 29 47	20°33'32	16°42	13°20	21°18	13°16	13°56	15°25	8°44	11°58	20°34	0°44	29°45	7°18	n.a.	S 20
M21	23 33 44	21°33'25	28°49	14°34	22°32	13°58	13°51	15°32	8°42	11°59	20°37	0°34	29°42	7°25	n.a.	M21
T 22	23 37 40	22°33'20	10♓51	15°47	23°46	14°40	13°46	15°39	8°41	12° 1	20°39	0°21	29°38	7°32	n.a.	T 22
W23	23 41 37	23°33'17	22°48	16°58	25° 0	15°22	13°42	15°46	8°39	12° 3	20°41	0° 7	29°35	7°38	n.a.	W23
T 24	23 45 33	24°33'17	4♈42	18° 6	26°14	16° 4	13°38	15°53	8°38	12° 4	20°44	29♊52	29°32	7°45	n.a.	T 24
F 25	23 49 30	25°33'18	16°34	19°13	27°28	16°46	13°34	16° 1	8°36	12° 6	20°46	29°38	29°29	7°52	n.a.	F 25
S 26	23 53 27	26°33'21	28°26	20°17	28°42	17°28	13°30	16° 8	8°34	12° 8	20°49	29°26	29°26	7°58	n.a.	S 26
S 27	23 57 23	27°33'27	10♉19	21°19	29°57	18°10	13°26	16°15	8°33	12° 9	20°51	29°16	29°23	8° 5	n.a.	S 27
M28	0 1 20	28°33'34	22°17	22°18	1♍11	18°53	13°22	16°22	8°31	12°11	20°53	29° 9	29°19	8°12	n.a.	M28
T 29	0 5 16	29°33'44	4♊23	23°13	2°25	19°35	13°19	16°29	8°29	12°13	20°56	29° 5	29°16	8°19	n.a.	T 29
W30	0 9 13	0♎33'56	16♊41	24♎ 5	3♍40	20♐18	13♒16	16♍36	8♉27	12♏15	20♍58	29♊ 4	29♊13	8♈25	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	11n 1	16n29	3s 1	5n22	0s 3	21n14	0n26	23s 1	2s34	17s48	1s36	8n46	2n14	14n23	0s20	13s51	1n44	19n21	16n42	23n44	23n45	2s37		n.a.
W 2	10 39	19 53	2 5	4 39	0 10	21 2	0 29	23 9	2 34	17 51	1 36	8 43	2 14	14 23	0 20	13 52	1 44	19 20	16 42	23 44	23 45	2 34		n.a.
T 3	10 18	22 25	1 0	3 56	0 17	20 49	0 32	23 17	2 33	17 53	1 36	8 40	2 14	14 22	0 20	13 52	1 44	19 19	16 42	23 44	23 45	2 32		n.a.
F 4	9 56	23 51	0n 9	3 13	0 24	20 36	0 35	23 24	2 32	17 55	1 36	8 38	2 14	14 22	0 20	13 52	1 44	19 18	16 42	23 44	23 45	2 29		n.a.
S 5	9 34	23 57	1 20	2 31	0 31	20 22	0 37	23 32	2 32	17 57	1 36	8 35	2 14	14 22	0 20	13 53	1 44	19 17	16 42	23 44	23 45	2 26		n.a.
S 6	9 11	22 34	2 29	1 48	0 39	20 7	0 40	23 39	2 31	17 59	1 36	8 32	2 14	14 22	0 20	13 53	1 44	19 16	16 42	23 44	23 45	2 23		n.a.
M 7	8 49	19 40	3 30	1 6	0 46	19 52	0 43	23 46	2 31	18 1	1 36	8 29	2 14	14 21	0 20	13 54	1 43	19 15	16 41	23 45	23 45	2 20		n.a.
T 8	8 27	15 26	4 19	0 24	0 53	19 36	0 46	23 53	2 30	18 3	1 36	8 26	2 14	14 21	0 20	13 54	1 43	19 13	16 41	23 45	23 45	2 18		n.a.
W 9	8 4	10 9	4 51	0s17	1 0	19 20	0 48	24 0	2 29	18 5	1 36	8 24	2 14	14 21	0 20	13 54	1 43	19 12	16 41	23 45	23 45	2 15		n.a.
T 10	7 41	4 13	5 2	0 59	1 7	19 3	0 51	24 6	2 29	18 7	1 36	8 21	2 14	14 20	0 20	13 55	1 43	19 11	16 41	23 45	23 45	2 12		n.a.
F 11	7 18	1s55	4 52	1 39	1 14	18 45	0 53	24 13	2 28	18 8	1 36	8 18	2 14	14 20	0 20	13 55	1 43	19 10	16 41	23 45	23 45	2 9		n.a.
S 12	6 55	7 52	4 22	2 20	1 21	18 27	0 56	24 19	2 27	18 10	1 36	8 15	2 14	14 20	0 20	13 56	1 43	19 9	16 41	23 45	23 45	2 7		n.a.
S 13	6 32	13 14	3 36	3 0	1 28	18 9	0 58	24 25	2 27	18 12	1 36	8 12	2 14	14 19	0 20	13 56	1 43	19 8	16 41	23 45	23 45	2 4		n.a.
M14	6 9	17 45	2 38	3 39	1 35	17 49	1 0	24 31	2 26	18 14	1 35	8 10	2 14	14 19	0 20	13 57	1 43	19 7	16 41	23 45	23 45	2 1		n.a.
T 15	5 46	21 9	1 33	4 18	1 42	17 30	1 2	24 36	2 25	18 15	1 35	8 7	2 14	14 19	0 20	13 57	1 43	19 6	16 41	23 45	23 45	1 58		n.a.
W16	5 22	23 19	0 24	4 56	1 48	17 10	1 5	24 42	2 24	18 17	1 35	8 4	2 14	14 18	0 20	13 58	1 43	19 5	16 41	23 45	23 45	1 56		n.a.
T 17	4 59	24 10	0s45	5 34	1 55	16 49	1 7	24 47	2 24	18 18	1 35	8 1	2 14	14 18	0 20	13 58	1 43	19 4	16 41	23 45	23 45	1 53		n.a.
F 18	4 35	23 43	1 49	6 11	2 1	16 28	1 9	24 52	2 23	18 20	1 35	7 58	2 14	14 17	0 20	13 59	1 43	19 3	16 41	23 45	23 45	1 50		n.a.
S 19	4 11	22 6	2 47	6 47	2 7	16 6	1 11	24 57	2 22	18 21	1 35	7 56	2 14	14 17	0 20	13 59	1 43	19 2	16 41	23 45	23 45	1 47		n.a.
S 20	3 47	19 28	3 36	7 22	2 13	15 44	1 13	25 2	2 21	18 22	1 35	7 53	2 14	14 16	0 20	14 0	1 43	19 1	16 41	23 45	23 45	1 44		n.a.
M21	3 23	16 1	4 15	7 57	2 19	15 21	1 14	25 6	2 21	18 24	1 34	7 50	2 14	14 16	0 21	14 0	1 43	19 0	16 41	23 45	23 45	1 42		n.a.
T 22	2 59	11 56	4 42	8 30	2 24	14 58	1 16	25 11	2 20	18 25	1 34	7 47	2 14	14 15	0 21	14 1	1 43	18 59	16 41	23 45	23 45	1 39		n.a.
W23	2 35	7 26	4 57	9 2	2 29	14 35	1 18	25 15	2 19	18 26	1 34	7 44	2 14	14 15	0 21	14 1	1 43	18 58	16 41	23 45	23 45	1 36		n.a.
T 24	2 11	2 40	4 58	9 34	2 34	14 11	1 19	25 18	2 18	18 27	1 34	7 42	2 14	14 14	0 21	14 2	1 43	18 57	16 41	23 45	23 45	1 33		n.a.
F 25	1 47	2n11	4 47	10 3	2 39	13 46	1 21	25 22	2 18	18 28	1 34	7 39	2 14	14 14	0 21	14 3	1 43	18 57	16 41	23 45	23 45	1 31		n.a.
S 26	1 23	6 58	4 22	10 32	2 43	13 22	1 22	25 25	2 17	18 29	1 34	7 36	2 15	14 13	0 21	14 3	1 42	18 56	16 41	23 45	23 45	1 28		n.a.
S 27	0 59	11 31	3 47	10 59	2 46	12 57	1 24	25 29	2 16	18 30	1 33	7 33	2 15	14 13	0 21	14 4	1 42	18 55	16 41	23 45	23 45	1 25		n.a.
M28	0 35	15 40	3 1	11 24	2 49	12 31	1 25	25 32	2 15	18 31	1 33	7 31	2 15	14 12	0 21	14 4	1 42	18 54	16 41	23 45	23 45	1 22		n.a.
T 29	0 11	19 14	2 6	11 48	2 52	12 5	1 26	25 34	2 14	18 32	1 33	7 28	2 15	14 12	0 21	14 5	1 42	18 53	16 41	23 45	23 45	1 19		n.a.
W30	0s14	22n 0	1s 5	12s 9	2s54	11n39	1n27	25s37	2s13	18s32	1s33	7n25	2n15	14n11	0s21	14s 5	1n42	18n52	16n41	23n45	23n45	1s17		n.a.

Julian Day Number = 1541232.5, Delta T = 04h37m32s
Ecliptic obliquity = 23°45'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'10, Lahiri = -10°46'10 Julian Calendar 1 Sept. 494 BCE == Greg. Calendar 27 Aug. 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

OCTOBER 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 13 9	1♎34'11	29♊17	24♎53	4♍54	21♐ 0	13°R13	16♍43	8°R25	12♏17	21♍ 1	29°R 3	29♊10	8♈32	n.a.	T 1
F 2	0 17 6	2°34'27	12♋14	25°37	6° 9	21°43	13♒10	16°50	8♉23	12°18	21° 3	29♊ 3	29° 7	8°39	n.a.	F 2
S 3	0 21 2	3°34'46	25°37	26°16	7°23	22°26	13° 7	16°57	8°21	12°20	21° 5	29° 2	29° 3	8°46	n.a.	S 3
S 4	0 24 59	4°35'07	9♌29	26°49	8°38	23° 9	13° 5	17° 4	8°20	12°22	21° 8	28°59	29° 0	8°52	n.a.	S 4
M 5	0 28 56	5°35'29	23°51	27°16	9°52	23°51	13° 3	17°11	8°18	12°24	21°10	28°52	28°57	8°59	n.a.	M 5
T 6	0 32 52	6°35'54	8♍41	27°37	11° 7	24°34	13° 1	17°18	8°16	12°26	21°12	28°44	28°54	9° 6	n.a.	T 6
W 7	0 36 49	7°36'21	23°51	27°50	12°22	25°17	12°59	17°25	8°13	12°28	21°15	28°33	28°51	9°12	n.a.	W 7
T 8	0 40 45	8°36'50	9♎12	27°R54	13°37	26° 1	12°58	17°32	8°11	12°30	21°17	28°21	28°48	9°19	n.a.	T 8
F 9	0 44 42	9°37'20	24°31	27°50	14°51	26°44	12°56	17°39	8° 9	12°32	21°19	28°11	28°44	9°26	n.a.	F 9
S 10	0 48 38	10°37'52	9♏39	27°37	16° 6	27°27	12°55	17°46	8° 7	12°34	21°22	28° 2	28°41	9°33	n.a.	S 10
S 11	0 52 35	11°38'25	24°25	27°14	17°21	28°10	12°54	17°52	8° 5	12°36	21°24	27°55	28°38	9°39	n.a.	S 11
M12	0 56 31	12°39'00	8♐43	26°41	18°36	28°53	12°53	17°59	8° 3	12°38	21°26	27°52	28°35	9°46	n.a.	M12
T 13	1 0 28	13°39'37	22°32	25°57	19°51	29°37	12°53	18° 6	8° 0	12°40	21°29	27°D50	28°32	9°53	n.a.	T 13
W14	1 4 24	14°40'15	5♑53	25° 4	21° 6	0♑20	12°52	18°13	7°58	12°42	21°31	27°50	28°29	9°59	n.a.	W14
T 15	1 8 21	15°40'54	18°50	24° 1	22°21	1° 4	12°D52	18°19	7°56	12°44	21°33	27°R51	28°25	10° 6	n.a.	T 15
F 16	1 12 18	16°41'34	1♒25	22°51	23°36	1°47	12°52	18°26	7°54	12°46	21°35	27°50	28°22	10°13	n.a.	F 16
S 17	1 16 14	17°42'16	13°45	21°35	24°51	2°31	12°53	18°33	7°51	12°48	21°38	27°46	28°19	10°20	n.a.	S 17
S 18	1 20 11	18°42'59	25°52	20°15	26° 6	3°15	12°53	18°39	7°49	12°50	21°40	27°41	28°16	10°26	n.a.	S 18
M19	1 24 7	19°43'43	7♓52	18°53	27°21	3°58	12°54	18°46	7°47	12°52	21°42	27°32	28°13	10°33	n.a.	M19
T 20	1 28 4	20°44'28	19°47	17°33	28°36	4°42	12°55	18°52	7°44	12°54	21°44	27°21	28° 9	10°40	n.a.	T 20
W21	1 32 0	21°45'15	1♈40	16°17	29°52	5°26	12°56	18°59	7°42	12°56	21°46	27° 9	28° 6	10°47	n.a.	W21
T 22	1 35 57	22°46'03	13°33	15° 8	1♉ 7	6° 9	12°57	19° 5	7°39	12°59	21°49	26°55	28° 3	10°53	n.a.	T 22
F 23	1 39 53	23°46'52	25°26	14° 7	2°22	6°53	12°59	19°11	7°37	13° 1	21°51	26°43	28° 0	11° 0	n.a.	F 23
S 24	1 43 50	24°47'43	7♉22	13°16	3°37	7°37	13° 1	19°18	7°34	13° 3	21°53	26°32	27°57	11° 7	n.a.	S 24
S 25	1 47 47	25°48'35	19°21	12°36	4°52	8°21	13° 2	19°24	7°32	13° 5	21°55	26°23	27°54	11°13	n.a.	S 25
M26	1 51 43	26°49'28	1♊26	12° 8	6° 8	9° 5	13° 5	19°30	7°30	13° 7	21°57	26°17	27°50	11°20	n.a.	M26
T 27	1 55 40	27°50'23	13°39	11°51	7°23	9°49	13° 7	19°36	7°27	13° 9	21°59	26°14	27°47	11°27	n.a.	T 27
W28	1 59 36	28°51'20	26° 3	11°D46	8°38	10°33	13° 9	19°43	7°25	13°12	22° 1	26°D13	27°44	11°34	n.a.	W28
T 29	2 3 33	29°52'18	8♋40	11°51	9°53	11°17	13°12	19°49	7°22	13°14	22° 3	26°14	27°41	11°40	n.a.	T 29
F 30	2 7 29	0♏53'17	21°35	12° 7	11° 9	12° 1	13°15	19°55	7°20	13°16	22° 5	26°15	27°38	11°47	n.a.	F 30
S 31	2 11 26	1♏54'17	4♌52	12♎31	12♎24	12♑45	13♒18	20♍ 1	7♉17	13♏18	22♍ 7	26°R15	27♊35	11♈54	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	0s38	23n46	0n 1	12s28	2s55	11n13	1n29	25s39	2s13	18s33	1s33	7n23	2n15	14n10	0s21	14s 6	1n42	18n51	16n41	23n45	23n45	1s14		n.a.
F 2	1 2	24 20	1 9	12 45	2 56	10 46	1 30	25 41	2 12	18 34	1 32	7 20	2 15	14 10	0 21	14 7	1 42	18 50	16 41	23 45	23 45	1 11		n.a.
S 3	1 26	23 31	2 15	12 59	2 56	10 18	1 31	25 43	2 11	18 34	1 32	7 17	2 15	14 9	0 21	14 7	1 42	18 49	16 41	23 45	23 45	1 8		n.a.
S 4	1 51	21 15	3 16	13 10	2 54	9 51	1 31	25 44	2 10	18 35	1 32	7 14	2 15	14 9	0 21	14 8	1 42	18 49	16 42	23 45	23 45	1 5		n.a.
M 5	2 15	17 37	4 7	13 18	2 52	9 23	1 32	25 46	2 9	18 35	1 32	7 12	2 15	14 8	0 21	14 9	1 42	18 48	16 42	23 45	23 45	1 3		n.a.
T 6	2 39	12 46	4 42	13 23	2 49	8 55	1 33	25 47	2 8	18 36	1 32	7 9	2 15	14 7	0 21	14 9	1 42	18 47	16 42	23 45	23 45	1 0		n.a.
W 7	3 3	7 3	4 59	13 23	2 44	8 27	1 34	25 48	2 7	18 36	1 31	7 6	2 15	14 7	0 21	14 10	1 42	18 46	16 42	23 45	23 45	0 57		n.a.
T 8	3 28	0 49	4 55	13 19	2 38	7 58	1 34	25 48	2 7	18 36	1 31	7 4	2 15	14 6	0 21	14 10	1 42	18 45	16 42	23 45	23 45	0 54		n.a.
F 9	3 52	5s27	4 30	13 11	2 31	7 29	1 35	25 48	2 6	18 36	1 31	7 1	2 16	14 5	0 21	14 11	1 42	18 45	16 42	23 45	23 45	0 51		n.a.
S 10	4 16	11 20	3 45	12 58	2 22	7 0	1 35	25 49	2 5	18 36	1 31	6 59	2 16	14 4	0 21	14 12	1 42	18 44	16 43	23 44	23 45	0 48		n.a.
S 11	4 40	16 25	2 47	12 39	2 11	6 31	1 35	25 48	2 4	18 36	1 31	6 56	2 16	14 4	0 21	14 12	1 42	18 43	16 43	23 44	23 45	0 46		n.a.
M12	5 4	20 25	1 39	12 16	1 59	6 2	1 36	25 48	2 3	18 36	1 30	6 53	2 16	14 3	0 21	14 13	1 42	18 42	16 43	23 44	23 45	0 43		n.a.
T 13	5 28	23 4	0 28	11 46	1 44	5 32	1 36	25 47	2 2	18 36	1 30	6 51	2 16	14 2	0 21	14 14	1 42	18 41	16 43	23 44	23 45	0 40		n.a.
W14	5 51	24 20	0s43	11 12	1 28	5 2	1 36	25 46	2 1	18 36	1 30	6 48	2 16	14 2	0 21	14 14	1 42	18 41	16 43	23 44	23 45	0 37		n.a.
T 15	6 15	24 13	1 49	10 32	1 11	4 32	1 36	25 45	2 0	18 36	1 30	6 46	2 16	14 1	0 21	14 15	1 42	18 40	16 44	23 44	23 45	0 34		n.a.
F 16	6 39	22 50	2 48	9 48	0 52	4 2	1 36	25 44	1 59	18 36	1 29	6 43	2 16	14 0	0 21	14 16	1 42	18 39	16 44	23 44	23 45	0 32		n.a.
S 17	7 2	20 24	3 38	9 1	0 32	3 32	1 36	25 42	1 58	18 36	1 29	6 41	2 17	13 59	0 21	14 16	1 42	18 39	16 44	23 44	23 45	0 29		n.a.
S 18	7 26	17 5	4 17	8 12	0 12	3 2	1 36	25 40	1 57	18 35	1 29	6 38	2 17	13 59	0 21	14 17	1 42	18 38	16 44	23 44	23 45	0 26		n.a.
M19	7 49	13 7	4 45	7 21	0n 9	2 31	1 35	25 38	1 56	18 35	1 29	6 36	2 17	13 58	0 21	14 18	1 42	18 37	16 44	23 44	23 45	0 23		n.a.
T 20	8 12	8 40	4 59	6 32	0 29	2 1	1 35	25 36	1 55	18 34	1 29	6 33	2 17	13 57	0 21	14 18	1 42	18 37	16 45	23 44	23 45	0 20		n.a.
W21	8 35	3 55	5 1	5 44	0 49	1 30	1 35	25 33	1 55	18 34	1 28	6 31	2 17	13 56	0 21	14 19	1 42	18 36	16 45	23 43	23 44	0 17		n.a.
T 22	8 58	0n58	4 50	5 0	1 8	0 59	1 34	25 30	1 54	18 33	1 28	6 28	2 17	13 55	0 21	14 20	1 42	18 35	16 45	23 43	23 44	0 15		n.a.
F 23	9 21	5 51	4 25	4 21	1 24	0 29	1 34	25 27	1 53	18 32	1 28	6 26	2 17	13 55	0 21	14 20	1 42	18 35	16 46	23 43	23 44	0 12		n.a.
S 24	9 44	10 32	3 50	3 47	1 39	0s 2	1 33	25 23	1 52	18 32	1 28	6 24	2 18	13 54	0 21	14 21	1 42	18 34	16 46	23 43	23 44	0 9		n.a.
S 25	10 6	14 51	3 3	3 19	1 53	0 33	1 32	25 20	1 51	18 31	1 27	6 21	2 18	13 53	0 21	14 22	1 41	18 34	16 46	23 42	23 44	0 6		n.a.
M26	10 28	18 38	2 8	2 58	2 4	1 4	1 32	25 16	1 50	18 30	1 27	6 19	2 18	13 52	0 20	14 22	1 41	18 33	16 46	23 42	23 44	0 3		n.a.
T 27	10 51	21 38	1 7	2 43	2 13	1 35	1 31	25 12	1 49	18 29	1 27	6 17	2 18	13 51	0 20	14 23	1 41	18 33	16 47	23 42	23 44	0 0		n.a.
W28	11 13	23 41	0 1	2 34	2 20	2 6	1 30	25 7	1 48	18 28	1 27	6 14	2 18	13 51	0 20	14 24	1 41	18 32	16 47	23 42	23 44	0n 2		n.a.
T 29	11 34	24 34	1n 6	2 31	2 26	2 36	1 29	25 3	1 47	18 27	1 26	6 12	2 18	13 50	0 20	14 24	1 41	18 32	16 47	23 42	23 44	0 5		n.a.
F 30	11 56	24 10	2 12	2 34	2 29	3 7	1 28	24 58	1 46	18 26	1 26	6 10	2 18	13 49	0 20	14 25	1 41	18 31	16 48	23 42	23 44	0 8		n.a.
S 31	12s18	22n24	3n12	2s41	2n32	3s38	1n27	24s52	1s45	18s25	1s26	6n 8	2n19	13n48	0s20	14s26	1n41	18n31	16n48	23n42	23n44	0n11		n.a.

Julian Day Number = 1541262.5, Delta T = 04h37m31s
Ecliptic obliquity = 23°45'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'06, Lahiri = -10°46'06 Julian Calendar 1 Oct. 494 BCE == Greg. Calendar 26 Sept. 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

NOVEMBER 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 15 22	2♏55'19	18♌34	13♎ 4	13♎40	13♑29	13♒22	20♍ 7	7°R14	13♏21	22♍ 9	26°R14	27♊31	12♈ 0	n.a.	S 1
M 2	2 19 19	3°56'22	2♍42	13°44	14°55	14°13	13°25	20°13	7♉12	13°23	22°11	26♊11	27°28	12° 7	n.a.	M 2
T 3	2 23 16	4°57'27	17°15	14°31	16°10	14°57	13°29	20°18	7° 9	13°25	22°13	26° 5	27°25	12°14	n.a.	T 3
W 4	2 27 12	5°58'33	2♎ 9	15°23	17°26	15°41	13°33	20°24	7° 7	13°27	22°15	25°58	27°22	12°21	n.a.	W 4
T 5	2 31 9	6°59'39	17°18	16°21	18°41	16°25	13°37	20°30	7° 4	13°30	22°17	25°50	27°19	12°27	n.a.	T 5
F 6	2 35 5	8° 0'47	2♏30	17°23	19°57	17° 9	13°41	20°35	7° 2	13°32	22°19	25°42	27°15	12°34	n.a.	F 6
S 7	2 39 2	9° 1'56	17°36	18°29	21°12	17°54	13°46	20°41	6°59	13°34	22°20	25°36	27°12	12°41	n.a.	S 7
S 8	2 42 58	10° 3'05	2♐27	19°38	22°28	18°38	13°50	20°47	6°57	13°36	22°22	25°32	27° 9	12°47	n.a.	S 8
M 9	2 46 55	11° 4'16	16°53	20°50	23°43	19°22	13°55	20°52	6°54	13°39	22°24	25°29	27° 6	12°54	n.a.	M 9
T 10	2 50 52	12° 5'27	0♑52	22° 5	24°58	20° 6	14° 0	20°57	6°52	13°41	22°26	25°D29	27° 3	13° 1	n.a.	T 10
W11	2 54 48	13° 6'38	14°23	23°22	26°14	20°50	14° 5	21° 3	6°49	13°43	22°28	25°30	27° 0	13° 8	n.a.	W11
T 12	2 58 45	14° 7'50	27°27	24°41	27°29	21°35	14°11	21° 8	6°47	13°45	22°29	25°32	26°56	13°14	n.a.	T 12
F 13	3 2 41	15° 9'02	10♒ 8	26° 1	28°45	22°19	14°16	21°13	6°44	13°48	22°31	25°R33	26°53	13°21	n.a.	F 13
S 14	3 6 38	16°10'14	22°29	27°23	0♏ 0	23° 3	14°22	21°18	6°42	13°50	22°33	25°33	26°50	13°28	n.a.	S 14
S 15	3 10 34	17°11'27	4♓37	28°46	1°16	23°47	14°28	21°23	6°39	13°52	22°34	25°31	26°47	13°35	n.a.	S 15
M16	3 14 31	18°12'39	16°35	0♏10	2°31	24°32	14°34	21°28	6°37	13°54	22°36	25°27	26°44	13°41	n.a.	M16
T 17	3 18 27	19°13'52	28°28	1°35	3°47	25°16	14°41	21°33	6°34	13°57	22°37	25°22	26°40	13°48	n.a.	T 17
W18	3 22 24	20°15'06	10♈19	3° 1	5° 2	26° 0	14°47	21°38	6°32	13°59	22°39	25°16	26°37	13°55	n.a.	W18
T 19	3 26 21	21°16'19	22°12	4°28	6°18	26°44	14°54	21°43	6°29	14° 1	22°40	25° 9	26°34	14° 1	n.a.	T 19
F 20	3 30 17	22°17'33	4♉ 8	5°55	7°33	27°29	15° 0	21°48	6°27	14° 3	22°42	25° 3	26°31	14° 8	n.a.	F 20
S 21	3 34 14	23°18'47	16°11	7°23	8°49	28°13	15° 7	21°52	6°24	14° 6	22°43	24°57	26°28	14°15	n.a.	S 21
S 22	3 38 10	24°20'01	28°20	8°52	10° 4	28°57	15°14	21°57	6°22	14° 8	22°45	24°53	26°25	14°22	n.a.	S 22
M23	3 42 7	25°21'16	10♊38	10°21	11°20	29°41	15°22	22° 1	6°20	14°10	22°46	24°51	26°21	14°28	n.a.	M23
T 24	3 46 3	26°22'31	23° 6	11°50	12°35	0♒26	15°29	22° 6	6°17	14°12	22°47	24°D50	26°18	14°35	n.a.	T 24
W25	3 50 0	27°23'46	5♋44	13°20	13°51	1°10	15°37	22°10	6°15	14°15	22°49	24°50	26°15	14°42	n.a.	W25
T 26	3 53 56	28°25'01	18°35	14°50	15° 6	1°54	15°44	22°14	6°13	14°17	22°50	24°52	26°12	14°48	n.a.	T 26
F 27	3 57 53	29°26'17	1♌41	16°21	16°22	2°38	15°52	22°18	6°10	14°19	22°51	24°53	26° 9	14°55	n.a.	F 27
S 28	4 1 50	0♐27'33	15° 2	17°52	17°37	3°23	16° 0	22°22	6° 8	14°21	22°53	24°55	26° 6	15° 2	n.a.	S 28
S 29	4 5 46	1°28'49	28°41	19°23	18°53	4° 7	16° 9	22°26	6° 6	14°23	22°54	24°R55	26° 2	15° 9	n.a.	S 29
M30	4 9 43	2♐30'06	12♍38	20♏55	20♏ 8	4♒51	16♒17	22♍30	6♉ 4	14♏26	22♍55	24♊55	25♊59	15♈15	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s39	19n18	4n 3	2s53	2n33	4s 9	1n26	24s47	1s44	18s24	1s26	6n 5	2n19	13n47	0s20	14s26	1n41	18n30	16n49	23n42	23n44	0n14		n.a.
M 2	13 0	15 1	4 42	3 9	2 33	4 39	1 25	24 41	1 43	18 23	1 25	6 3	2 19	13 46	0 20	14 27	1 41	18 30	16 49	23 42	23 44	0 17		n.a.
T 3	13 21	9 44	5 3	3 28	2 31	5 10	1 23	24 36	1 42	18 21	1 25	6 1	2 19	13 46	0 20	14 28	1 41	18 29	16 49	23 42	23 44	0 19		n.a.
W 4	13 41	3 47	5 5	3 51	2 29	5 40	1 22	24 29	1 41	18 20	1 25	5 59	2 19	13 45	0 20	14 29	1 41	18 29	16 50	23 42	23 44	0 22		n.a.
T 5	14 2	2s29	4 46	4 16	2 26	6 11	1 21	24 23	1 40	18 18	1 25	5 57	2 20	13 44	0 20	14 29	1 41	18 28	16 50	23 41	23 44	0 25		n.a.
F 6	14 22	8 39	4 6	4 43	2 22	6 41	1 19	24 16	1 39	18 17	1 25	5 55	2 20	13 43	0 20	14 30	1 41	18 28	16 50	23 41	23 44	0 28		n.a.
S 7	14 42	14 16	3 10	5 13	2 18	7 11	1 18	24 10	1 38	18 15	1 24	5 53	2 20	13 42	0 20	14 31	1 41	18 28	16 51	23 41	23 44	0 31		n.a.
S 8	15 1	18 57	2 1	5 44	2 13	7 41	1 16	24 2	1 37	18 14	1 24	5 51	2 20	13 41	0 20	14 31	1 41	18 27	16 51	23 41	23 43	0 34		n.a.
M 9	15 21	22 20	0 46	6 16	2 8	8 10	1 15	23 55	1 36	18 12	1 24	5 49	2 20	13 41	0 20	14 32	1 41	18 27	16 52	23 41	23 43	0 36		n.a.
T 10	15 40	24 14	0s29	6 49	2 2	8 40	1 13	23 48	1 35	18 11	1 24	5 47	2 20	13 40	0 20	14 33	1 41	18 27	16 52	23 41	23 43	0 39		n.a.
W11	15 59	24 38	1 41	7 24	1 56	9 9	1 11	23 40	1 34	18 9	1 23	5 45	2 21	13 39	0 20	14 33	1 41	18 26	16 52	23 41	23 43	0 42		n.a.
T 12	16 17	23 38	2 45	7 59	1 50	9 38	1 10	23 32	1 33	18 7	1 23	5 43	2 21	13 38	0 20	14 34	1 41	18 26	16 53	23 41	23 43	0 45		n.a.
F 13	16 36	21 26	3 38	8 34	1 44	10 7	1 8	23 23	1 32	18 5	1 23	5 41	2 21	13 37	0 20	14 35	1 41	18 26	16 53	23 41	23 43	0 48		n.a.
S 14	16 54	18 18	4 21	9 10	1 37	10 36	1 6	23 15	1 31	18 3	1 23	5 39	2 21	13 36	0 20	14 35	1 41	18 25	16 54	23 41	23 43	0 51		n.a.
S 15	17 11	14 26	4 50	9 47	1 30	11 4	1 4	23 6	1 30	18 1	1 23	5 37	2 22	13 36	0 20	14 36	1 41	18 25	16 54	23 41	23 43	0 54		n.a.
M16	17 29	10 4	5 7	10 23	1 23	11 32	1 2	22 57	1 29	17 59	1 22	5 35	2 22	13 35	0 20	14 37	1 41	18 25	16 55	23 41	23 43	0 56		n.a.
T 17	17 46	5 21	5 10	11 0	1 16	12 0	1 0	22 48	1 28	17 57	1 22	5 34	2 22	13 34	0 20	14 37	1 41	18 25	16 55	23 40	23 43	0 59		n.a.
W18	18 3	0 27	5 0	11 36	1 9	12 27	0 58	22 39	1 27	17 55	1 22	5 32	2 22	13 33	0 20	14 38	1 41	18 25	16 56	23 40	23 43	1 2		n.a.
T 19	18 19	4n28	4 37	12 13	1 2	12 55	0 56	22 29	1 26	17 53	1 22	5 30	2 22	13 32	0 20	14 39	1 41	18 24	16 56	23 40	23 43	1 5		n.a.
F 20	18 35	9 17	4 2	12 49	0 54	13 22	0 54	22 20	1 25	17 51	1 21	5 28	2 23	13 32	0 20	14 39	1 41	18 24	16 57	23 40	23 43	1 8		n.a.
S 21	18 51	13 47	3 16	13 25	0 47	13 48	0 52	22 10	1 24	17 48	1 21	5 27	2 23	13 31	0 20	14 40	1 41	18 24	16 57	23 39	23 42	1 11		n.a.
S 22	19 6	17 47	2 20	14 1	0 40	14 14	0 50	21 59	1 23	17 46	1 21	5 25	2 23	13 30	0 20	14 41	1 41	18 24	16 58	23 39	23 42	1 14		n.a.
M23	19 21	21 4	1 17	14 36	0 32	14 40	0 48	21 49	1 22	17 44	1 21	5 24	2 23	13 29	0 20	14 41	1 41	18 24	16 58	23 39	23 42	1 16		n.a.
T 24	19 36	23 25	0 10	15 11	0 25	15 6	0 46	21 39	1 21	17 41	1 21	5 22	2 24	13 29	0 20	14 42	1 41	18 24	16 59	23 39	23 42	1 19		n.a.
W25	19 50	24 37	1n 0	15 46	0 18	15 31	0 43	21 28	1 20	17 39	1 20	5 21	2 24	13 28	0 20	14 43	1 41	18 24	16 59	23 39	23 42	1 22		n.a.
T 26	20 4	24 32	2 7	16 20	0 11	15 55	0 41	21 17	1 19	17 36	1 20	5 19	2 24	13 27	0 20	14 43	1 41	18 24	17 0	23 39	23 42	1 25		n.a.
F 27	20 18	23 7	3 9	16 53	0 4	16 20	0 39	21 6	1 18	17 34	1 20	5 18	2 24	13 26	0 20	14 44	1 41	18 24	17 0	23 39	23 42	1 28		n.a.
S 28	20 31	20 23	4 2	17 26	0s 3	16 43	0 37	20 54	1 17	17 31	1 20	5 16	2 24	13 26	0 20	14 45	1 41	18 24	17 1	23 39	23 42	1 31		n.a.
S 29	20 44	16 29	4 43	17 58	0 10	17 7	0 34	20 43	1 16	17 28	1 20	5 15	2 25	13 25	0 20	14 45	1 41	18 24	17 1	23 39	23 42	1 34		n.a.
M30	20s56	11n38	5n 8	18s29	0s17	17s30	0n32	20s31	1s15	17s26	1s19	5n14	2n25	13n24	0s20	14s46	1n41	18n24	17n 2	23n39	23n42	1n37		n.a.

Julian Day Number = 1541293.5, Delta T = 04h37m29s
Ecliptic obliquity = 23°45'18, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°53'02, Lahiri = -10°46'01 Julian Calendar 1 Nov. 494 BCE == Greg. Calendar 27 Oct. 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 494 BCE
geocentric

DECEMBER 494 BCE (-493) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 13 39	3♐31'22	26♍54	22♏27	21♏23	5♒35	16♒25	22♍34	6°R 1	14♏28	22♍56	24°R54	25♊56	15♈22	n.a.	T 1
W 2	4 17 36	4°32'39	11♎25	23°59	22°39	6°19	16°34	22°38	5♉59	14°30	22°57	24♊52	25°53	15°29	n.a.	W 2
T 3	4 21 32	5°33'56	26° 8	25°32	23°54	7° 4	16°43	22°41	5°57	14°32	22°58	24°49	25°50	15°35	n.a.	T 3
F 4	4 25 29	6°35'13	10♏56	27° 5	25°10	7°48	16°52	22°45	5°55	14°34	22°59	24°46	25°46	15°42	n.a.	F 4
S 5	4 29 25	7°36'30	25°42	28°38	26°25	8°32	17° 1	22°48	5°53	14°36	23° 0	24°44	25°43	15°49	n.a.	S 5
S 6	4 33 22	8°37'47	10♐18	0♐12	27°41	9°16	17°10	22°52	5°51	14°39	23° 1	24°43	25°40	15°56	n.a.	S 6
M 7	4 37 19	9°39'04	24°38	1°47	28°56	10° 0	17°19	22°55	5°49	14°41	23° 2	24°D42	25°37	16° 2	n.a.	M 7
T 8	4 41 15	10°40'20	8♑37	3°21	0♐12	10°44	17°29	22°58	5°47	14°43	23° 3	24°43	25°34	16° 9	n.a.	T 8
W 9	4 45 12	11°41'35	22°11	4°56	1°27	11°28	17°38	23° 1	5°45	14°45	23° 4	24°44	25°31	16°16	n.a.	W 9
T 10	4 49 8	12°42'50	5♒21	6°32	2°43	12°12	17°48	23° 4	5°43	14°47	23° 5	24°45	25°27	16°22	n.a.	T 10
F 11	4 53 5	13°44'04	18° 8	8° 8	3°58	12°56	17°58	23° 7	5°41	14°49	23° 6	24°46	25°24	16°29	n.a.	F 11
S 12	4 57 1	14°45'17	0♓36	9°44	5°13	13°41	18° 8	23°10	5°39	14°51	23° 6	24°47	25°21	16°36	n.a.	S 12
S 13	5 0 58	15°46'30	12°47	11°21	6°29	14°25	18°18	23°13	5°38	14°53	23° 7	24°R47	25°18	16°43	n.a.	S 13
M14	5 4 55	16°47'41	24°47	12°58	7°44	15° 9	18°28	23°15	5°36	14°55	23° 8	24°47	25°15	16°49	n.a.	M14
T 15	5 8 51	17°48'52	6♈40	14°36	8°59	15°53	18°38	23°18	5°34	14°57	23° 8	24°46	25°12	16°56	n.a.	T 15
W16	5 12 48	18°50'01	18°32	16°15	10°15	16°36	18°49	23°20	5°33	14°59	23° 9	24°46	25° 8	17° 3	n.a.	W16
T 17	5 16 44	19°51'10	0♉25	17°54	11°30	17°20	18°59	23°23	5°31	15° 1	23°10	24°45	25° 5	17° 9	n.a.	T 17
F 18	5 20 41	20°52'18	12°25	19°33	12°46	18° 4	19°10	23°25	5°29	15° 3	23°10	24°44	25° 2	17°16	n.a.	F 18
S 19	5 24 37	21°53'25	24°33	21°13	14° 1	18°48	19°21	23°27	5°28	15° 5	23°11	24°44	24°59	17°23	n.a.	S 19
S 20	5 28 34	22°54'31	6♊53	22°54	15°16	19°32	19°32	23°29	5°26	15° 7	23°11	24°44	24°56	17°30	n.a.	S 20
M21	5 32 30	23°55'36	19°26	24°35	16°32	20°16	19°42	23°31	5°25	15° 9	23°11	24°D44	24°52	17°36	n.a.	M21
T 22	5 36 27	24°56'40	2♋13	26°17	17°47	21° 0	19°54	23°33	5°23	15°10	23°12	24°R44	24°49	17°43	n.a.	T 22
W23	5 40 24	25°57'43	15°14	27°59	19° 2	21°43	20° 5	23°34	5°22	15°12	23°12	24°44	24°46	17°50	n.a.	W23
T 24	5 44 20	26°58'45	28°28	29°42	20°17	22°27	20°16	23°36	5°21	15°14	23°13	24°44	24°43	17°56	n.a.	T 24
F 25	5 48 17	27°59'47	11♌56	1♑25	21°33	23°11	20°27	23°38	5°19	15°16	23°13	24°43	24°40	18° 3	n.a.	F 25
S 26	5 52 13	29° 0'47	25°36	3° 9	22°48	23°55	20°39	23°39	5°18	15°18	23°13	24°43	24°37	18°10	n.a.	S 26
S 27	5 56 10	0♑ 1'47	9♍26	4°54	24° 3	24°38	20°50	23°40	5°17	15°19	23°13	24°42	24°33	18°17	n.a.	S 27
M28	6 0 6	1° 2'46	23°26	6°39	25°18	25°22	21° 2	23°41	5°16	15°21	23°14	24°42	24°30	18°23	n.a.	M28
T 29	6 4 3	2° 3'44	7♎34	8°24	26°34	26° 6	21°14	23°43	5°15	15°23	23°14	24°D42	24°27	18°30	n.a.	T 29
W30	6 8 0	3° 4'41	21°48	10°10	27°49	26°49	21°26	23°44	5°14	15°25	23°14	24°42	24°24	18°37	n.a.	W30
T 31	6 11 56	4♑ 5'37	6♏ 7	11♑56	29♐ 4	27♒33	21♒38	23♍44	5♉13	15♏26	23♍14	24♊43	24♊21	18♈43	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s 8	6n 3	5n15	19s 0	0s23	17s52	0n30	20s19	1s14	17s23	1s19	5n12	2n25	13n23	0s20	14s47	1n41	18n24	17n 2	23n39	23n41	1n39		n.a.
W 2	21 20	0 3	5 2	19 30	0 30	18 14	0 27	20 7	1 13	17 20	1 19	5 11	2 25	13 23	0 20	14 47	1 41	18 24	17 3	23 39	23 41	1 42		n.a.
T 3	21 31	6s 3	4 29	19 59	0 36	18 36	0 25	19 55	1 12	17 17	1 19	5 10	2 26	13 22	0 20	14 48	1 41	18 24	17 3	23 39	23 41	1 45		n.a.
F 4	21 42	11 51	3 39	20 27	0 43	18 56	0 23	19 42	1 11	17 14	1 19	5 9	2 26	13 21	0 20	14 49	1 41	18 24	17 4	23 39	23 41	1 48		n.a.
S 5	21 52	16 57	2 33	20 55	0 49	19 17	0 20	19 30	1 10	17 11	1 18	5 7	2 26	13 21	0 20	14 49	1 41	18 24	17 4	23 39	23 41	1 51		n.a.
S 6	22 2	20 59	1 19	21 21	0 55	19 37	0 18	19 17	1 9	17 8	1 18	5 6	2 27	13 20	0 20	14 50	1 41	18 24	17 5	23 39	23 41	1 54		n.a.
M 7	22 11	23 38	0 0	21 46	1 0	19 56	0 15	19 4	1 8	17 5	1 18	5 5	2 27	13 19	0 20	14 50	1 41	18 24	17 6	23 39	23 41	1 57		n.a.
T 8	22 20	24 44	1s16	22 11	1 6	20 15	0 13	18 51	1 7	17 2	1 18	5 4	2 27	13 19	0 20	14 51	1 41	18 24	17 6	23 39	23 41	2 0		n.a.
W 9	22 29	24 18	2 26	22 34	1 11	20 33	0 11	18 38	1 6	16 59	1 18	5 3	2 27	13 18	0 20	14 52	1 41	18 24	17 7	23 39	23 41	2 2		n.a.
T 10	22 37	22 31	3 26	22 57	1 17	20 51	0 8	18 24	1 5	16 56	1 18	5 2	2 28	13 17	0 20	14 52	1 41	18 25	17 7	23 39	23 41	2 5		n.a.
F 11	22 45	19 37	4 15	23 18	1 22	21 8	0 6	18 11	1 4	16 52	1 17	5 1	2 28	13 17	0 20	14 53	1 41	18 25	17 8	23 39	23 40	2 8		n.a.
S 12	22 52	15 54	4 49	23 38	1 26	21 24	0 3	17 57	1 3	16 49	1 17	5 1	2 28	13 16	0 20	14 53	1 41	18 25	17 8	23 39	23 40	2 11		n.a.
S 13	22 59	11 36	5 10	23 56	1 31	21 40	0 1	17 43	1 2	16 46	1 17	5 0	2 28	13 16	0 20	14 54	1 42	18 25	17 9	23 39	23 40	2 14		n.a.
M14	23 5	6 56	5 17	24 14	1 35	21 55	0s 2	17 29	1 1	16 42	1 17	4 59	2 29	13 15	0 20	14 55	1 42	18 26	17 10	23 39	23 40	2 17		n.a.
T 15	23 11	2 3	5 10	24 30	1 39	22 9	0 4	17 15	1 0	16 39	1 17	4 58	2 29	13 14	0 20	14 55	1 42	18 26	17 10	23 39	23 40	2 20		n.a.
W16	23 17	2n53	4 50	24 44	1 43	22 23	0 6	17 0	0 59	16 36	1 17	4 57	2 29	13 14	0 20	14 56	1 42	18 26	17 11	23 39	23 40	2 23		n.a.
T 17	23 22	7 45	4 18	24 58	1 46	22 36	0 9	16 46	0 58	16 32	1 16	4 57	2 29	13 13	0 20	14 56	1 42	18 26	17 11	23 39	23 40	2 25		n.a.
F 18	23 26	12 22	3 34	25 9	1 50	22 49	0 11	16 31	0 57	16 29	1 16	4 56	2 30	13 13	0 20	14 57	1 42	18 27	17 12	23 39	23 40	2 28		n.a.
S 19	23 30	16 35	2 40	25 20	1 52	23 0	0 13	16 17	0 57	16 25	1 16	4 55	2 30	13 12	0 20	14 57	1 42	18 27	17 12	23 39	23 39	2 31		n.a.
S 20	23 34	20 9	1 37	25 28	1 55	23 11	0 16	16 2	0 56	16 21	1 16	4 55	2 30	13 12	0 20	14 58	1 42	18 27	17 13	23 39	23 39	2 34		n.a.
M21	23 37	22 50	0 29	25 35	1 57	23 22	0 18	15 47	0 55	16 18	1 16	4 54	2 31	13 11	0 20	14 58	1 42	18 28	17 14	23 39	23 39	2 37		n.a.
T 22	23 39	24 26	0n41	25 41	1 59	23 31	0 20	15 32	0 54	16 14	1 16	4 54	2 31	13 11	0 20	14 59	1 42	18 28	17 14	23 39	23 39	2 40		n.a.
W23	23 42	24 43	1 51	25 45	2 0	23 40	0 23	15 17	0 53	16 10	1 15	4 54	2 31	13 11	0 20	14 59	1 42	18 28	17 15	23 39	23 39	2 43		n.a.
T 24	23 43	23 37	2 56	25 47	2 1	23 49	0 25	15 2	0 52	16 7	1 15	4 53	2 31	13 10	0 20	15 0	1 42	18 29	17 15	23 39	23 39	2 46		n.a.
F 25	23 44	21 10	3 53	25 47	2 2	23 56	0 27	14 46	0 51	16 3	1 15	4 53	2 32	13 10	0 20	15 0	1 42	18 29	17 16	23 39	23 39	2 49		n.a.
S 26	23 45	17 30	4 37	25 45	2 2	24 3	0 30	14 31	0 50	15 59	1 15	4 52	2 32	13 9	0 20	15 1	1 42	18 30	17 16	23 39	23 39	2 51		n.a.
S 27	23 45	12 51	5 6	25 41	2 2	24 9	0 32	14 15	0 49	15 55	1 15	4 52	2 32	13 9	0 20	15 1	1 42	18 30	17 17	23 39	23 38	2 54		n.a.
M28	23 45	7 29	5 17	25 36	2 1	24 14	0 34	13 59	0 48	15 51	1 15	4 52	2 33	13 9	0 20	15 2	1 42	18 31	17 18	23 39	23 38	2 57		n.a.
T 29	23 44	1 41	5 9	25 28	2 0	24 19	0 36	13 43	0 47	15 47	1 15	4 52	2 33	13 8	0 19	15 2	1 42	18 31	17 18	23 39	23 38	3 0		n.a.
W30	23 43	4s15	4 42	25 19	1 58	24 22	0 38	13 28	0 46	15 43	1 15	4 52	2 33	13 8	0 19	15 3	1 42	18 32	17 19	23 39	23 38	3 3		n.a.
T 31	23s41	9s59	3n58	25s 7	1s55	24s25	0s40	13s12	0s45	15s39	1s14	4n52	2n33	13n 8	0s19	15s 3	1n42	18n32	17n19	23n39	23n38	3n 6		n.a.

Julian Day Number = 1541323.5, Delta T = 04h37m28s
Ecliptic obliquity = 23°45'18, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'58, Lahiri = -10°45'57 Julian Calendar 1 Dec. 494 BCE == Greg. Calendar 26 Nov. 494 BCE

The year -493 astronomical counting style corresponds to year 494 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

JANUARY 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 15 53	5♉ 6'33	20♏25	13♉43	0♉19	28♒16	21♒50	23♍45	5°R12	15♏28	23♍14	24♊44	24♊18	18♈50	n.a.	F 1
S 2	6 19 49	6° 7'27	4♐41	15°29	1°35	29° 0	22° 2	23°46	5♉11	15°29	23°R14	24°45	24°14	18°57	n.a.	S 2
S 3	6 23 46	7° 8'20	18°51	17°16	2°50	29°43	22°14	23°47	5°10	15°31	23°14	24°R45	24°11	19° 4	n.a.	S 3
M 4	6 27 42	8° 9'12	2♉49	19° 2	4° 5	0♓27	22°26	23°47	5° 9	15°33	23°14	24°45	24° 8	19°10	n.a.	M 4
T 5	6 31 39	9°10'03	16°32	20°48	5°20	1°10	22°39	23°47	5° 9	15°34	23°14	24°44	24° 5	19°17	n.a.	T 5
W 6	6 35 35	10°10'52	29°58	22°34	6°35	1°53	22°51	23°48	5° 8	15°36	23°14	24°43	24° 2	19°24	n.a.	W 6
T 7	6 39 32	11°11'40	13♒ 4	24°18	7°51	2°37	23° 4	23°48	5° 7	15°37	23°13	24°40	23°58	19°30	n.a.	T 7
F 8	6 43 29	12°12'25	25°52	26° 2	9° 6	3°20	23°16	23°R48	5° 7	15°39	23°13	24°38	23°55	19°37	n.a.	F 8
S 9	6 47 25	13°13'10	8♓21	27°43	10°21	4° 3	23°29	23°48	5° 6	15°40	23°13	24°35	23°52	19°44	n.a.	S 9
S 10	6 51 22	14°13'52	20°35	29°23	11°36	4°47	23°42	23°48	5° 6	15°41	23°13	24°33	23°49	19°51	n.a.	S 10
M11	6 55 18	15°14'33	2♈37	1♒ 0	12°51	5°30	23°54	23°47	5° 5	15°43	23°12	24°31	23°46	19°57	n.a.	M11
T 12	6 59 15	16°15'11	14°32	2°35	14° 6	6°13	24° 7	23°47	5° 5	15°44	23°12	24°D30	23°43	20° 4	n.a.	T 12
W13	7 3 11	17°15'48	26°23	4° 6	15°21	6°56	24°20	23°47	5° 4	15°45	23°12	24°31	23°39	20°11	n.a.	W13
T 14	7 7 8	18°16'23	8♉17	5°32	16°36	7°39	24°33	23°46	5° 4	15°47	23°11	24°32	23°36	20°17	n.a.	T 14
F 15	7 11 4	19°16'56	20°17	6°55	17°51	8°22	24°46	23°45	5° 4	15°48	23°11	24°34	23°33	20°24	n.a.	F 15
S 16	7 15 1	20°17'28	2♊28	8°11	19° 6	9° 6	24°59	23°45	5° 4	15°49	23°10	24°35	23°30	20°31	n.a.	S 16
S 17	7 18 58	21°17'57	14°55	9°22	20°21	9°49	25°13	23°44	5° 4	15°50	23°10	24°37	23°27	20°38	n.a.	S 17
M18	7 22 54	22°18'24	27°39	10°25	21°36	10°32	25°26	23°43	5° 4	15°52	23° 9	24°R37	23°24	20°44	n.a.	M18
T 19	7 26 51	23°18'50	10♋43	11°21	22°51	11°14	25°39	23°42	5°D 4	15°53	23° 8	24°36	23°20	20°51	n.a.	T 19
W20	7 30 47	24°19'14	24° 6	12° 9	24° 6	11°57	25°53	23°41	5° 4	15°54	23° 8	24°34	23°17	20°58	n.a.	W20
T 21	7 34 44	25°19'36	7♌47	12°49	25°21	12°40	26° 6	23°39	5° 4	15°55	23° 7	24°30	23°14	21° 4	n.a.	T 21
F 22	7 38 40	26°19'56	21°44	13°19	26°36	13°23	26°19	23°38	5° 4	15°56	23° 7	24°25	23°11	21°11	n.a.	F 22
S 23	7 42 37	27°20'14	5♍51	13°40	27°51	14° 6	26°33	23°36	5° 4	15°57	23° 6	24°20	23° 8	21°18	n.a.	S 23
S 24	7 46 33	28°20'31	20° 5	13°50	29° 6	14°49	26°46	23°35	5° 4	15°58	23° 5	24°15	23° 4	21°24	n.a.	S 24
M25	7 50 30	29°20'46	4♎22	13°R52	0♒21	15°31	27° 0	23°33	5° 5	15°59	23° 4	24°11	23° 1	21°31	n.a.	M25
T 26	7 54 27	0♒21'00	18°37	13°43	1°36	16°14	27°14	23°31	5° 5	16° 0	23° 3	24° 9	22°58	21°38	n.a.	T 26
W27	7 58 23	1°21'11	2♏48	13°25	2°50	16°57	27°27	23°30	5° 5	16° 1	23° 3	24°D 8	22°55	21°45	n.a.	W27
T 28	8 2 20	2°21'22	16°53	12°58	4° 5	17°39	27°41	23°28	5° 6	16° 2	23° 2	24° 9	22°52	21°51	n.a.	T 28
F 29	8 6 16	3°21'30	0♐51	12°22	5°20	18°22	27°55	23°26	5° 6	16° 3	23° 1	24°10	22°49	21°58	n.a.	F 29
S 30	8 10 13	4°21'38	14°41	11°40	6°35	19° 4	28° 9	23°24	5° 7	16° 3	23° 0	24°12	22°45	22° 5	n.a.	S 30
S 31	8 14 9	5♒21'43	28♐21	10♒51	7♒50	19♓47	28♒23	23♍21	5♉ 8	16♏ 4	22♍59	24°R12	22♊42	22♈11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s39	15s13	2n59	24s54	1s52	24s28	0s42	12s55	0s44	15s35	1s14	4n51	2n34	13n 7	0s19	15s 4	1n42	18n33	17n20	23n39	23n38	3n 9		n.a.
S 2	23 37	19 34	1 49	24 38	1 48	24 29	0 44	12 39	0 43	15 31	1 14	4 51	2 34	13 7	0 19	15 4	1 42	18 33	17 21	23 39	23 38	3 12		n.a.
S 3	23 34	22 44	0 33	24 21	1 44	24 30	0 46	12 23	0 43	15 27	1 14	4 52	2 34	13 7	0 19	15 4	1 42	18 34	17 21	23 39	23 38	3 15		n.a.
M 4	23 30	24 28	0s44	24 1	1 39	24 30	0 48	12 7	0 42	15 23	1 14	4 52	2 35	13 6	0 19	15 5	1 42	18 34	17 22	23 39	23 37	3 18		n.a.
T 5	23 26	24 40	1 58	23 40	1 33	24 29	0 50	11 50	0 41	15 18	1 14	4 52	2 35	13 6	0 19	15 5	1 42	18 35	17 22	23 39	23 37	3 20		n.a.
W 6	23 22	23 24	3 3	23 16	1 27	24 27	0 52	11 34	0 40	15 14	1 14	4 52	2 35	13 6	0 19	15 6	1 42	18 35	17 23	23 39	23 37	3 23		n.a.
T 7	23 17	20 53	3 56	22 51	1 20	24 25	0 54	11 17	0 39	15 10	1 14	4 52	2 35	13 6	0 19	15 6	1 42	18 36	17 23	23 39	23 37	3 26		n.a.
F 8	23 11	17 23	4 37	22 24	1 12	24 22	0 56	11 0	0 38	15 6	1 13	4 52	2 36	13 6	0 19	15 6	1 42	18 36	17 24	23 39	23 37	3 29		n.a.
S 9	23 5	13 12	5 3	21 55	1 3	24 18	0 58	10 44	0 37	15 1	1 13	4 53	2 36	13 6	0 19	15 7	1 42	18 37	17 25	23 39	23 37	3 32		n.a.
S 10	22 59	8 35	5 14	21 25	0 54	24 14	0 59	10 27	0 36	14 57	1 13	4 53	2 36	13 5	0 19	15 7	1 42	18 38	17 25	23 38	23 37	3 35		n.a.
M11	22 52	3 42	5 12	20 54	0 43	24 8	1 1	10 10	0 35	14 53	1 13	4 53	2 37	13 5	0 19	15 8	1 42	18 38	17 26	23 38	23 36	3 38		n.a.
T 12	22 45	1n15	4 56	20 22	0 32	24 2	1 3	9 53	0 35	14 48	1 13	4 54	2 37	13 5	0 19	15 8	1 43	18 39	17 26	23 38	23 36	3 41		n.a.
W13	22 37	6 9	4 28	19 49	0 20	23 55	1 4	9 36	0 34	14 44	1 13	4 54	2 37	13 5	0 19	15 8	1 43	18 40	17 27	23 38	23 36	3 44		n.a.
T 14	22 29	10 51	3 48	19 15	0 7	23 48	1 6	9 19	0 33	14 39	1 13	4 55	2 37	13 5	0 19	15 9	1 43	18 40	17 27	23 38	23 36	3 46		n.a.
F 15	22 21	15 12	2 58	18 41	0n 6	23 39	1 7	9 2	0 32	14 35	1 13	4 55	2 38	13 5	0 19	15 9	1 43	18 41	17 28	23 38	23 36	3 49		n.a.
S 16	22 12	18 59	1 59	18 8	0 21	23 30	1 9	8 45	0 31	14 30	1 13	4 56	2 38	13 5	0 19	15 9	1 43	18 42	17 28	23 39	23 36	3 52		n.a.
S 17	22 3	22 1	0 53	17 35	0 35	23 21	1 10	8 27	0 30	14 25	1 13	4 56	2 38	13 5	0 19	15 10	1 43	18 42	17 29	23 39	23 35	3 55		n.a.
M18	21 53	24 1	0n17	17 3	0 51	23 10	1 11	8 10	0 29	14 21	1 13	4 57	2 38	13 5	0 19	15 10	1 43	18 43	17 29	23 39	23 35	3 58		n.a.
T 19	21 43	24 46	1 27	16 32	1 6	22 59	1 13	7 53	0 29	14 16	1 12	4 58	2 39	13 5	0 19	15 10	1 43	18 44	17 30	23 39	23 35	4 1		n.a.
W20	21 32	24 6	2 34	16 3	1 22	22 47	1 14	7 36	0 28	14 12	1 12	4 58	2 39	13 5	0 19	15 10	1 43	18 44	17 30	23 38	23 35	4 4		n.a.
T 21	21 21	22 1	3 34	15 37	1 39	22 35	1 15	7 18	0 27	14 7	1 12	4 59	2 39	13 5	0 19	15 11	1 43	18 45	17 31	23 38	23 35	4 7		n.a.
F 22	21 10	18 35	4 23	15 13	1 55	22 21	1 16	7 1	0 26	14 2	1 12	5 0	2 40	13 5	0 19	15 11	1 43	18 46	17 31	23 38	23 35	4 10		n.a.
S 23	20 58	14 3	4 55	14 52	2 11	22 7	1 17	6 43	0 25	13 57	1 12	5 1	2 40	13 5	0 19	15 11	1 43	18 47	17 32	23 38	23 34	4 13		n.a.
S 24	20 46	8 43	5 11	14 34	2 26	21 53	1 18	6 26	0 24	13 53	1 12	5 1	2 40	13 5	0 19	15 11	1 43	18 47	17 32	23 38	23 34	4 16		n.a.
M25	20 33	2 55	5 7	14 19	2 41	21 38	1 19	6 8	0 23	13 48	1 12	5 2	2 40	13 5	0 19	15 12	1 43	18 48	17 33	23 38	23 34	4 18		n.a.
T 26	20 21	3s 2	4 44	14 8	2 55	21 22	1 20	5 51	0 23	13 43	1 12	5 3	2 41	13 6	0 19	15 12	1 43	18 49	17 33	23 37	23 34	4 21		n.a.
W27	20 7	8 48	4 3	14 1	3 8	21 5	1 21	5 33	0 22	13 38	1 12	5 4	2 41	13 6	0 19	15 12	1 43	18 50	17 34	23 37	23 34	4 24		n.a.
T 28	19 54	14 5	3 9	13 57	3 20	20 48	1 21	5 16	0 21	13 33	1 12	5 5	2 41	13 6	0 19	15 12	1 43	18 50	17 34	23 37	23 34	4 27		n.a.
F 29	19 40	18 35	2 3	13 58	3 30	20 31	1 22	4 58	0 20	13 28	1 12	5 6	2 41	13 6	0 19	15 13	1 43	18 51	17 35	23 37	23 33	4 30		n.a.
S 30	19 25	22 1	0 52	14 1	3 38	20 12	1 23	4 41	0 19	13 24	1 12	5 7	2 42	13 6	0 19	15 13	1 43	18 52	17 35	23 38	23 33	4 33		n.a.
S 31	19s11	24s 7	0s23	14s 8	3n45	19s54	1s23	4s23	0s19	13s19	1s12	5n 9	2n42	13n 7	0s19	15s13	1n43	18n53	17n36	23n38	23n33	4n36		n.a.

Julian Day Number = 1541354.5, Delta T = 04h37m27s
Ecliptic obliquity = 23°45'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'54, Lahiri = -10°45'53 Julian Calendar 1 Jan. 493 BCE == Greg. Calendar 27 Dec. 494 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

FEBRUARY 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 18 6	6♒21'46	11♉52	9°R57	9♒ 5	20♓29	28♒37	23°R19	5♉ 8	16♏ 5	22°R58	24°R11	22♊39	22♈18	n.a.	M 1
T 2	8 22 2	7°21'48	25°11	8♒59	10°19	21°12	28°51	23♍17	5° 9	16° 6	22♍57	24♊ 7	22°36	22°25	n.a.	T 2
W 3	8 25 59	8°21'48	8♒18	7°59	11°34	21°54	29° 5	23°14	5°10	16° 6	22°56	24° 1	22°33	22°32	n.a.	W 3
T 4	8 29 56	9°21'45	21°12	6°59	12°49	22°36	29°19	23°12	5°11	16° 7	22°55	23°54	22°30	22°38	n.a.	T 4
F 5	8 33 52	10°21'40	3♓50	5°59	14° 4	23°19	29°33	23° 9	5°12	16° 7	22°54	23°45	22°26	22°45	n.a.	F 5
S 6	8 37 49	11°21'34	16°15	5° 0	15°18	24° 1	29°47	23° 6	5°13	16° 8	22°53	23°36	22°23	22°52	n.a.	S 6
S 7	8 41 45	12°21'25	28°27	4° 5	16°33	24°43	0♓ 1	23° 3	5°14	16° 9	22°51	23°28	22°20	22°58	n.a.	S 7
M 8	8 45 42	13°21'13	10♈28	3°14	17°48	25°26	0°15	23° 0	5°15	16° 9	22°50	23°21	22°17	23° 5	n.a.	M 8
T 9	8 49 38	14°20'59	22°22	2°27	19° 2	26° 8	0°29	22°57	5°16	16°10	22°49	23°16	22°14	23°12	n.a.	T 9
W10	8 53 35	15°20'43	4♉13	1°46	20°17	26°50	0°43	22°54	5°17	16°10	22°48	23°13	22°10	23°18	n.a.	W10
T 11	8 57 31	16°20'25	16° 5	1°11	21°32	27°32	0°58	22°51	5°18	16°10	22°47	23°D12	22° 7	23°25	n.a.	T 11
F 12	9 1 28	17°20'04	28° 3	0°41	22°46	28°14	1°12	22°48	5°19	16°11	22°45	23°13	22° 4	23°32	n.a.	F 12
S 13	9 5 25	18°19'41	10♊14	0°19	24° 1	28°56	1°26	22°45	5°21	16°11	22°44	23°14	22° 1	23°39	n.a.	S 13
S 14	9 9 21	19°19'16	22°41	0° 2	25°15	29°38	1°40	22°41	5°22	16°11	22°43	23°R15	21°58	23°45	n.a.	S 14
M15	9 13 18	20°18'48	5♋29	29♉52	26°30	0♈20	1°55	22°38	5°23	16°12	22°41	23°14	21°55	23°52	n.a.	M15
T 16	9 17 14	21°18'18	18°42	29°D47	27°44	1° 2	2° 9	22°34	5°25	16°12	22°40	23°11	21°51	23°59	n.a.	T 16
W17	9 21 11	22°17'45	2♌20	29°49	28°59	1°44	2°23	22°31	5°26	16°12	22°39	23° 6	21°48	24° 5	n.a.	W17
T 18	9 25 7	23°17'11	16°22	29°57	0♓13	2°25	2°38	22°27	5°28	16°12	22°37	22°58	21°45	24°12	n.a.	T 18
F 19	9 29 4	24°16'34	0♍44	0♒10	1°28	3° 7	2°52	22°24	5°29	16°12	22°36	22°49	21°42	24°19	n.a.	F 19
S 20	9 33 0	25°15'54	15°20	0°28	2°42	3°49	3° 6	22°20	5°31	16°13	22°34	22°39	21°39	24°25	n.a.	S 20
S 21	9 36 57	26°15'13	0♎ 2	0°51	3°57	4°31	3°21	22°16	5°33	16°13	22°33	22°30	21°36	24°32	n.a.	S 21
M22	9 40 53	27°14'30	14°44	1°19	5°11	5°12	3°35	22°12	5°34	16°13	22°31	22°22	21°32	24°39	n.a.	M22
T 23	9 44 50	28°13'45	29°18	1°51	6°25	5°54	3°50	22° 8	5°36	16°R13	22°30	22°16	21°29	24°46	n.a.	T 23
W24	9 48 47	29°12'58	13♏39	2°28	7°40	6°35	4° 4	22° 4	5°38	16°13	22°28	22°13	21°26	24°52	n.a.	W24
T 25	9 52 43	0♓12'09	27°45	3° 9	8°54	7°17	4°18	22° 0	5°40	16°13	22°27	22°D12	21°23	24°59	n.a.	T 25
F 26	9 56 40	1°11'18	11♐35	3°53	10° 8	7°58	4°33	21°56	5°42	16°12	22°25	22°12	21°20	25° 6	n.a.	F 26
S 27	10 0 36	2°10'26	25°10	4°40	11°23	8°40	4°47	21°52	5°44	16°12	22°24	22°R13	21°16	25°12	n.a.	S 27
S 28	10 4 33	3° 9'32	8♑31	5°32	12°37	9°21	5° 2	21°48	5°46	16°12	22°22	22°12	21°13	25°19	n.a.	S 28
M29	10 8 29	4♓ 8'36	21♑39	6♒26	13♓51	10♈ 3	5♓16	21♍44	5♉48	16♏12	22♍21	22♊ 8	21♊10	25♈26	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	18s56	24s47	1s34	14s19	3n49	19s34	1s24	4s 5	0s18	13s14	1s12	5n10	2n42	13n 7	0s19	15s13	1n43	18n54	17n36	23n38	23n33	4n39		n.a.	M 1
T 2	18 40	24 0	2 40	14 32	3 51	19 14	1 24	3 48	0 17	13 9	1 12	5 11	2 42	13 7	0 19	15 13	1 44	18 54	17 37	23 37	23 33	4 42		n.a.	T 2
W 3	18 25	21 53	3 35	14 47	3 52	18 54	1 25	3 30	0 16	13 4	1 11	5 12	2 43	13 7	0 19	15 13	1 44	18 55	17 37	23 37	23 33	4 45		n.a.	W 3
T 4	18 9	18 42	4 19	15 4	3 50	18 33	1 25	3 12	0 15	12 59	1 11	5 13	2 43	13 8	0 19	15 13	1 44	18 56	17 37	23 37	23 32	4 47		n.a.	T 4
F 5	17 53	14 42	4 49	15 23	3 46	18 11	1 25	2 55	0 15	12 54	1 11	5 15	2 43	13 8	0 19	15 14	1 44	18 57	17 38	23 36	23 32	4 50		n.a.	F 5
S 6	17 36	10 9	5 5	15 43	3 40	17 49	1 26	2 37	0 14	12 49	1 11	5 16	2 43	13 8	0 19	15 14	1 44	18 58	17 38	23 36	23 32	4 53		n.a.	S 6
S 7	17 19	5 17	5 6	16 3	3 32	17 27	1 26	2 19	0 13	12 43	1 11	5 17	2 43	13 9	0 18	15 14	1 44	18 59	17 39	23 35	23 32	4 56		n.a.	S 7
M 8	17 2	0 18	4 54	16 24	3 23	17 4	1 26	2 2	0 12	12 38	1 11	5 19	2 44	13 9	0 18	15 14	1 44	18 59	17 39	23 35	23 32	4 59		n.a.	M 8
T 9	16 45	4n40	4 29	16 44	3 13	16 40	1 26	1 44	0 12	12 33	1 11	5 20	2 44	13 9	0 18	15 14	1 44	19 0	17 40	23 35	23 31	5 2		n.a.	T 9
W10	16 27	9 27	3 52	17 5	3 2	16 16	1 26	1 26	0 11	12 28	1 11	5 21	2 44	13 10	0 18	15 14	1 44	19 1	17 40	23 35	23 31	5 5		n.a.	W10
T 11	16 9	13 54	3 6	17 25	2 49	15 52	1 26	1 9	0 10	12 23	1 11	5 23	2 44	13 10	0 18	15 14	1 44	19 2	17 40	23 35	23 31	5 8		n.a.	T 11
F 12	15 51	17 52	2 11	17 44	2 36	15 27	1 25	0 51	0 9	12 18	1 11	5 24	2 45	13 11	0 18	15 14	1 44	19 3	17 41	23 35	23 31	5 11		n.a.	F 12
S 13	15 32	21 8	1 9	18 2	2 23	15 2	1 25	0 34	0 9	12 13	1 11	5 26	2 45	13 11	0 18	15 14	1 44	19 4	17 41	23 35	23 31	5 14		n.a.	S 13
S 14	15 13	23 30	0 3	18 19	2 9	14 36	1 25	0 16	0 8	12 7	1 11	5 27	2 45	13 12	0 18	15 14	1 44	19 4	17 41	23 35	23 30	5 17		n.a.	S 14
M15	14 54	24 43	1n 5	18 35	1 55	14 10	1 24	0n 2	0 7	12 2	1 11	5 29	2 45	13 12	0 18	15 14	1 44	19 5	17 42	23 35	23 30	5 19		n.a.	M15
T 16	14 35	24 36	2 12	18 50	1 40	13 44	1 24	0 19	0 6	11 57	1 11	5 31	2 45	13 13	0 18	15 14	1 44	19 6	17 42	23 35	23 30	5 22		n.a.	T 16
W17	14 16	23 2	3 13	19 3	1 26	13 17	1 24	0 37	0 6	11 52	1 11	5 32	2 45	13 13	0 18	15 14	1 44	19 7	17 42	23 34	23 30	5 25		n.a.	W17
T 18	13 56	20 1	4 4	19 15	1 12	12 50	1 23	0 54	0 5	11 47	1 11	5 34	2 46	13 14	0 18	15 14	1 44	19 8	17 43	23 34	23 30	5 28		n.a.	T 18
F 19	13 36	15 44	4 41	19 26	0 58	12 22	1 22	1 12	0 4	11 41	1 11	5 35	2 46	13 14	0 18	15 14	1 44	19 9	17 43	23 33	23 29	5 31		n.a.	F 19
S 20	13 16	10 28	5 1	19 35	0 45	11 55	1 22	1 29	0 3	11 36	1 11	5 37	2 46	13 15	0 18	15 14	1 44	19 9	17 43	23 33	23 29	5 34		n.a.	S 20
S 21	12 56	4 34	5 1	19 43	0 32	11 27	1 21	1 46	0 3	11 31	1 11	5 39	2 46	13 15	0 18	15 14	1 45	19 10	17 43	23 32	23 29	5 37		n.a.	S 21
M22	12 35	1s34	4 41	19 49	0 19	10 58	1 20	2 4	0 2	11 25	1 11	5 40	2 46	13 16	0 18	15 14	1 45	19 11	17 44	23 32	23 29	5 40		n.a.	M22
T 23	12 15	7 35	4 3	19 54	0 6	10 30	1 19	2 21	0 1	11 20	1 11	5 42	2 46	13 17	0 18	15 14	1 45	19 12	17 44	23 32	23 29	5 43		n.a.	T 23
W24	11 54	13 8	3 10	19 58	0s 6	10 1	1 18	2 38	0 1	11 15	1 11	5 44	2 47	13 17	0 18	15 14	1 45	19 13	17 44	23 31	23 28	5 46		n.a.	W24
T 25	11 33	17 52	2 6	20 0	0 17	9 32	1 17	2 56	0n 0	11 9	1 11	5 46	2 47	13 18	0 18	15 14	1 45	19 14	17 44	23 31	23 28	5 49		n.a.	T 25
F 26	11 12	21 33	0 56	20 0	0 28	9 2	1 16	3 13	0 1	11 4	1 11	5 47	2 47	13 19	0 18	15 14	1 45	19 14	17 45	23 31	23 28	5 51		n.a.	F 26
S 27	10 50	23 56	0s16	19 59	0 39	8 33	1 15	3 30	0 2	10 59	1 11	5 49	2 47	13 19	0 18	15 14	1 45	19 15	17 45	23 31	23 28	5 54		n.a.	S 27
S 28	10 29	24 54	1 25	19 56	0 49	8 3	1 14	3 47	0 2	10 53	1 11	5 51	2 47	13 20	0 18	15 14	1 45	19 16	17 45	23 31	23 28	5 57		n.a.	S 28
M29	10s 7	24s27	2s29	19s52	0s59	7s33	1s13	4n 4	0n 3	10s48	1s11	5n53	2n47	13n21	0s18	15s14	1n45	19n17	17n45	23n31	23n27	6n 0		n.a.	M29

Julian Day Number = 1541385.5, Delta T = 04h37m25s
Ecliptic obliquity = 23°45'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'49, Lahiri = -10°45'49 Julian Calendar 1 Feb. 493 BCE == Greg. Calendar 27 Jan. 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

MARCH 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 12 26	5♓ 7'37	4♒36	7♒23	15♓ 5	10♈44	5♓31	21°R39	5♉50	16°R12	22°R19	22°R 2	21♊ 7	25♈33	n.a.	T 1
W 2	10 16 22	6° 6'37	17°22	8°23	16°20	11°25	5°45	21♍35	5°52	16♏11	22♍18	21♊53	21° 4	25°39	n.a.	W 2
T 3	10 20 19	7° 5'35	29°57	9°26	17°34	12° 7	5°59	21°31	5°54	16°11	22°16	21°42	21° 1	25°46	n.a.	T 3
F 4	10 24 16	8° 4'30	12♓22	10°31	18°48	12°48	6°14	21°27	5°56	16°11	22°14	21°29	20°57	25°53	n.a.	F 4
S 5	10 28 12	9° 3'24	24°37	11°39	20° 2	13°29	6°28	21°22	5°58	16°11	22°13	21°15	20°54	25°59	n.a.	S 5
S 6	10 32 9	10° 2'15	6♈42	12°49	21°16	14°10	6°43	21°18	6° 1	16°10	22°11	21° 2	20°51	26° 6	n.a.	S 6
M 7	10 36 5	11° 1'04	18°40	14° 1	22°30	14°51	6°57	21°13	6° 3	16°10	22° 9	20°51	20°48	26°13	n.a.	M 7
T 8	10 40 2	11°59'51	0♉31	15°16	23°45	15°33	7°11	21° 9	6° 5	16° 9	22° 8	20°42	20°45	26°19	n.a.	T 8
W 9	10 43 58	12°58'35	12°20	16°32	24°59	16°14	7°26	21° 4	6° 8	16° 9	22° 6	20°36	20°41	26°26	n.a.	W 9
T 10	10 47 55	13°57'17	24°10	17°51	26°13	16°55	7°40	21° 0	6°10	16° 8	22° 4	20°33	20°38	26°33	n.a.	T 10
F 11	10 51 51	14°55'57	6♊ 7	19°11	27°27	17°36	7°55	20°55	6°12	16° 8	22° 3	20°31	20°35	26°39	n.a.	F 11
S 12	10 55 48	15°54'35	18°15	20°34	28°41	18°17	8° 9	20°51	6°15	16° 7	22° 1	20°31	20°32	26°46	n.a.	S 12
S 13	10 59 44	16°53'10	0♋39	21°58	29°55	18°57	8°23	20°46	6°18	16° 7	21°59	20°31	20°29	26°53	n.a.	S 13
M14	11 3 41	17°51'43	13°26	23°24	1♈ 8	19°38	8°38	20°42	6°20	16° 6	21°58	20°30	20°26	27° 0	n.a.	M14
T 15	11 7 38	18°50'14	26°39	24°52	2°22	20°19	8°52	20°37	6°23	16° 5	21°56	20°26	20°22	27° 6	n.a.	T 15
W16	11 11 34	19°48'42	10♌20	26°22	3°36	21° 0	9° 6	20°33	6°25	16° 5	21°54	20°20	20°19	27°13	n.a.	W16
T 17	11 15 31	20°47'08	24°30	27°53	4°50	21°41	9°21	20°28	6°28	16° 4	21°53	20°12	20°16	27°20	n.a.	T 17
F 18	11 19 27	21°45'32	9♍ 6	29°27	6° 4	22°21	9°35	20°24	6°31	16° 3	21°51	20° 2	20°13	27°26	n.a.	F 18
S 19	11 23 24	22°43'54	24° 0	1♓ 2	7°18	23° 2	9°49	20°19	6°33	16° 2	21°49	19°50	20°10	27°33	n.a.	S 19
S 20	11 27 20	23°42'14	9♎ 5	2°38	8°31	23°43	10° 3	20°15	6°36	16° 2	21°48	19°39	20° 7	27°40	n.a.	S 20
M21	11 31 17	24°40'32	24°10	4°17	9°45	24°23	10°17	20°10	6°39	16° 1	21°46	19°30	20° 3	27°46	n.a.	M21
T 22	11 35 13	25°38'48	9♏ 6	5°57	10°59	25° 4	10°32	20° 6	6°42	16° 0	21°44	19°23	20° 0	27°53	n.a.	T 22
W23	11 39 10	26°37'03	23°44	7°39	12°13	25°44	10°46	20° 1	6°45	15°59	21°42	19°19	19°57	28° 0	n.a.	W23
T 24	11 43 7	27°35'16	8♐ 2	9°23	13°26	26°25	11° 0	19°57	6°48	15°58	21°41	19°18	19°54	28° 7	n.a.	T 24
F 25	11 47 3	28°33'28	21°57	11° 8	14°40	27° 5	11°14	19°52	6°50	15°57	21°39	19°17	19°51	28°13	n.a.	F 25
S 26	11 51 0	29°31'38	5♑30	12°55	15°53	27°46	11°28	19°48	6°53	15°56	21°37	19°17	19°47	28°20	n.a.	S 26
S 27	11 54 56	0♈29'47	18°43	14°44	17° 7	28°26	11°42	19°43	6°56	15°55	21°36	19°16	19°44	28°27	n.a.	S 27
M28	11 58 53	1°27'54	1♒39	16°34	18°21	29° 7	11°56	19°39	6°59	15°54	21°34	19°13	19°41	28°33	n.a.	M28
T 29	12 2 49	2°25'59	14°21	18°27	19°34	29°47	12°10	19°34	7° 2	15°53	21°32	19° 7	19°38	28°40	n.a.	T 29
W30	12 6 46	3°24'03	26°51	20°21	20°48	0♉27	12°24	19°30	7° 5	15°52	21°31	18°59	19°35	28°47	n.a.	W30
T 31	12 10 42	4♈22'05	9♓11	22♓17	22♈ 1	1♉ 8	12♓38	19♍26	7♉ 9	15♏51	21♍29	18♊48	19♊32	28♈53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	9s45	22s40	3s24	19s46	1s 8	7s 3	1s11	4n21	0n 4	10s43	1s11	5n54	2n47	13n21	0s18	15s14	1n45	19n18	17n46	23n31	23n27	6n 3			n.a.
W 2	9 23	19 46	4 8	19 39	1 17	6 32	1 10	4 38	0 4	10 37	1 11	5 56	2 47	13 22	0 18	15 13	1 45	19 19	17 46	23 30	23 27	6 6			n.a.
T 3	9 1	15 59	4 39	19 30	1 25	6 2	1 9	4 55	0 5	10 32	1 11	5 58	2 48	13 23	0 18	15 13	1 45	19 19	17 46	23 29	23 27	6 9			n.a.
F 4	8 39	11 34	4 57	19 19	1 33	5 31	1 7	5 12	0 6	10 27	1 11	6 0	2 48	13 24	0 18	15 13	1 45	19 20	17 46	23 29	23 27	6 12			n.a.
S 5	8 17	6 44	5 0	19 7	1 40	5 0	1 6	5 29	0 6	10 21	1 11	6 2	2 48	13 24	0 18	15 13	1 45	19 21	17 46	23 28	23 26	6 15			n.a.
S 6	7 54	1 43	4 49	18 54	1 47	4 29	1 4	5 46	0 7	10 16	1 11	6 4	2 48	13 25	0 18	15 13	1 45	19 22	17 46	23 27	23 26	6 18			n.a.
M 7	7 32	3n18	4 26	18 38	1 53	3 58	1 3	6 3	0 8	10 10	1 11	6 5	2 48	13 26	0 18	15 13	1 45	19 23	17 46	23 26	23 26	6 21			n.a.
T 8	7 9	8 11	3 52	18 22	1 59	3 27	1 1	6 19	0 8	10 5	1 11	6 7	2 48	13 27	0 18	15 13	1 45	19 23	17 47	23 25	23 26	6 23			n.a.
W 9	6 46	12 46	3 7	18 3	2 4	2 56	0 59	6 36	0 9	10 0	1 11	6 9	2 48	13 28	0 18	15 12	1 45	19 24	17 47	23 25	23 25	6 26			n.a.
T 10	6 24	16 53	2 15	17 43	2 9	2 24	0 57	6 53	0 10	9 54	1 11	6 11	2 48	13 28	0 18	15 12	1 45	19 25	17 47	23 25	23 25	6 29			n.a.
F 11	6 1	20 22	1 15	17 22	2 13	1 53	0 56	7 9	0 10	9 49	1 11	6 13	2 48	13 29	0 18	15 12	1 46	19 26	17 47	23 25	23 25	6 32			n.a.
S 12	5 38	23 2	0 12	16 59	2 16	1 21	0 54	7 25	0 11	9 43	1 11	6 15	2 48	13 30	0 18	15 12	1 46	19 26	17 47	23 25	23 25	6 35			n.a.
S 13	5 15	24 39	0n53	16 34	2 19	0 50	0 52	7 42	0 11	9 38	1 11	6 17	2 48	13 31	0 18	15 12	1 46	19 27	17 47	23 25	23 25	6 38			n.a.
M14	4 52	25 1	1 58	16 8	2 22	0n18	0 50	7 58	0 12	9 33	1 11	6 18	2 48	13 32	0 18	15 11	1 46	19 28	17 47	23 25	23 24	6 41			n.a.
T 15	4 28	24 1	2 58	15 40	2 24	0n13	0 48	8 14	0 13	9 27	1 11	6 20	2 48	13 33	0 18	15 11	1 46	19 28	17 47	23 24	23 24	6 44			n.a.
W16	4 5	21 35	3 51	15 10	2 26	0 45	0 46	8 30	0 13	9 22	1 12	6 22	2 48	13 34	0 18	15 11	1 46	19 29	17 47	23 24	23 24	6 47			n.a.
T 17	3 42	17 47	4 31	14 39	2 27	1 17	0 44	8 46	0 14	9 16	1 12	6 24	2 48	13 35	0 18	15 11	1 46	19 30	17 47	23 23	23 24	6 50			n.a.
F 18	3 19	12 48	4 55	14 6	2 27	1 48	0 42	9 2	0 15	9 11	1 12	6 26	2 48	13 35	0 18	15 10	1 46	19 31	17 47	23 22	23 23	6 52			n.a.
S 19	2 55	6 59	4 59	13 32	2 27	2 20	0 40	9 18	0 15	9 6	1 12	6 28	2 48	13 36	0 18	15 10	1 46	19 31	17 47	23 22	23 23	6 55			n.a.
S 20	2 32	0 41	4 43	12 56	2 26	2 51	0 37	9 34	0 16	9 0	1 12	6 29	2 48	13 37	0 18	15 10	1 46	19 32	17 47	23 21	23 23	6 58			n.a.
M21	2 9	5s40	4 8	12 19	2 25	3 22	0 35	9 50	0 16	8 55	1 12	6 31	2 48	13 38	0 18	15 10	1 46	19 33	17 47	23 20	23 23	7 1			n.a.
T 22	1 45	11 38	3 15	11 40	2 24	3 54	0 33	10 5	0 17	8 49	1 12	6 33	2 48	13 39	0 18	15 9	1 46	19 33	17 47	23 19	23 22	7 4			n.a.
W23	1 22	16 51	2 11	11 0	2 22	4 25	0 31	10 21	0 18	8 44	1 12	6 35	2 48	13 40	0 17	15 9	1 46	19 34	17 47	23 19	23 22	7 7			n.a.
T 24	0 58	20 58	0 59	10 18	2 19	4 56	0 28	10 36	0 18	8 39	1 12	6 37	2 48	13 41	0 17	15 9	1 46	19 34	17 47	23 19	23 22	7 10			n.a.
F 25	0 35	23 44	0s14	9 34	2 16	5 27	0 26	10 52	0 19	8 33	1 12	6 38	2 48	13 42	0 17	15 8	1 46	19 35	17 47	23 19	23 22	7 13			n.a.
S 26	0 11	25 3	1 25	8 49	2 12	5 58	0 24	11 7	0 19	8 28	1 12	6 40	2 48	13 43	0 17	15 8	1 46	19 36	17 47	23 19	23 21	7 16			n.a.
S 27	0n12	24 53	2 29	8 3	2 7	6 29	0 21	11 22	0 20	8 23	1 12	6 42	2 48	13 44	0 17	15 8	1 46	19 36	17 47	23 19	23 21	7 19			n.a.
M28	0 35	23 22	3 24	7 15	2 2	7 0	0 19	11 37	0 20	8 17	1 12	6 44	2 48	13 45	0 17	15 7	1 46	19 37	17 47	23 19	23 21	7 21			n.a.
T 29	0 59	20 41	4 8	6 25	1 57	7 30	0 16	11 52	0 21	8 12	1 12	6 45	2 48	13 46	0 17	15 7	1 46	19 37	17 46	23 18	23 21	7 24			n.a.
W30	1 22	17 5	4 39	5 34	1 51	8 0	0 14	12 7	0 22	8 7	1 12	6 47	2 48	13 47	0 17	15 7	1 46	19 38	17 46	23 17	23 20	7 27			n.a.
T 31	1n45	12s48	4s57	4s42	1s45	8n31	0s11	12n22	0n22	8s 1	1s12	6n49	2n48	13n48	0s17	15s 6	1n46	19n39	17n46	23n17	23n20	7n30			n.a.

Julian Day Number = 1541414.5, Delta T = 04h37m24s
Ecliptic obliquity = 23°45'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'45, Lahiri = -10°45'45 Julian Calendar 1 March 493 BCE == Greg. Calendar 25 Feb. 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

APRIL 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 14 39	5♈20'05	21♓22	24♓14	23♈15	1♉48	12♓52	19°R21	7♉12	15°R50	21°R27	18°R35	19♊28	29♈ 0	n.a.	F 1
S 2	12 18 35	6°18'04	3♈26	26°13	24°28	2°28	13° 6	19♍17	7°15	15♏49	21♍26	18♊22	19°25	29° 7	n.a.	S 2
S 3	12 22 32	7°16'01	15°24	28°14	25°42	3° 8	13°19	19°13	7°18	15°48	21°24	18° 9	19°22	29°13	n.a.	S 3
M 4	12 26 29	8°13'57	27°16	0♈17	26°55	3°48	13°33	19° 9	7°21	15°46	21°23	17°58	19°19	29°20	n.a.	M 4
T 5	12 30 25	9°11'50	9♉ 5	2°21	28° 8	4°28	13°47	19° 5	7°24	15°45	21°21	17°50	19°16	29°27	n.a.	T 5
W 6	12 34 22	10° 9'42	20°54	4°26	29°22	5° 9	14° 0	19° 0	7°27	15°44	21°19	17°44	19°13	29°34	n.a.	W 6
T 7	12 38 18	11° 7'33	2♊44	6°33	0♉35	5°49	14°14	18°56	7°31	15°43	21°18	17°41	19° 9	29°40	n.a.	T 7
F 8	12 42 15	12° 5'21	14°41	8°41	1°48	6°29	14°28	18°52	7°34	15°41	21°16	17°D40	19° 6	29°47	n.a.	F 8
S 9	12 46 11	13° 3'08	26°49	10°50	3° 1	7° 9	14°41	18°48	7°37	15°40	21°15	17°40	19° 3	29°54	n.a.	S 9
S 10	12 50 8	14° 0'53	9♋12	12°59	4°15	7°49	14°55	18°45	7°40	15°39	21°13	17°R40	19° 0	0♉ 0	n.a.	S 10
M11	12 54 4	14°58'36	21°55	15°10	5°28	8°28	15° 8	18°41	7°44	15°38	21°12	17°40	18°57	0° 7	n.a.	M11
T 12	12 58 1	15°56'17	5♌ 3	17°20	6°41	9° 8	15°21	18°37	7°47	15°36	21°10	17°38	18°53	0°14	n.a.	T 12
W13	13 1 58	16°53'57	18°40	19°31	7°54	9°48	15°35	18°33	7°50	15°35	21° 9	17°35	18°50	0°20	n.a.	W13
T 14	13 5 54	17°51'35	2♍47	21°42	9° 7	10°28	15°48	18°30	7°54	15°33	21° 7	17°29	18°47	0°27	n.a.	T 14
F 15	13 9 51	18°49'11	17°22	23°52	10°20	11° 8	16° 1	18°26	7°57	15°32	21° 6	17°21	18°44	0°34	n.a.	F 15
S 16	13 13 47	19°46'46	2♎19	26° 2	11°33	11°48	16°14	18°22	8° 1	15°31	21° 4	17°13	18°41	0°40	n.a.	S 16
S 17	13 17 44	20°44'19	17°32	28°10	12°46	12°27	16°27	18°19	8° 4	15°29	21° 3	17° 4	18°38	0°47	n.a.	S 17
M18	13 21 40	21°41'51	2♏49	0♉18	13°59	13° 7	16°41	18°15	8° 7	15°28	21° 2	16°57	18°34	0°54	n.a.	M18
T 19	13 25 37	22°39'21	17°59	2°23	15°12	13°47	16°54	18°12	8°11	15°26	21° 0	16°52	18°31	1° 0	n.a.	T 19
W20	13 29 33	23°36'51	2♐53	4°28	16°25	14°26	17° 6	18° 9	8°14	15°25	20°59	16°49	18°28	1° 7	n.a.	W20
T 21	13 33 30	24°34'20	17°25	6°30	17°38	15° 6	17°19	18° 6	8°18	15°23	20°57	16°D49	18°25	1°14	n.a.	T 21
F 22	13 37 27	25°31'47	1♑31	8°30	18°51	15°46	17°32	18° 2	8°21	15°22	20°56	16°49	18°22	1°21	n.a.	F 22
S 23	13 41 23	26°29'14	15°11	10°28	20° 4	16°25	17°45	17°59	8°25	15°20	20°55	16°50	18°18	1°27	n.a.	S 23
S 24	13 45 20	27°26'40	28°27	12°23	21°16	17° 5	17°58	17°56	8°28	15°19	20°54	16°R51	18°15	1°34	n.a.	S 24
M25	13 49 16	28°24'05	11♒21	14°16	22°29	17°44	18°10	17°53	8°31	15°17	20°52	16°50	18°12	1°41	n.a.	M25
T 26	13 53 13	29°21'29	23°57	16° 6	23°42	18°24	18°23	17°51	8°35	15°16	20°51	16°47	18° 9	1°47	n.a.	T 26
W27	13 57 9	0♉18'53	6♓18	17°54	24°55	19° 3	18°35	17°48	8°38	15°14	20°50	16°42	18° 6	1°54	n.a.	W27
T 28	14 1 6	1°16'15	18°29	19°39	26° 7	19°43	18°48	17°45	8°42	15°13	20°49	16°36	18° 3	2° 1	n.a.	T 28
F 29	14 5 2	2°13'37	0♈30	21°21	27°20	20°22	19° 0	17°43	8°45	15°11	20°47	16°28	17°59	2° 7	n.a.	F 29
S 30	14 8 59	3♉10'58	12♈26	23♉ 0	28♉33	21♉ 1	19♓12	17♍40	8♉49	15♏10	20♍46	16♊20	17♊56	2♉14	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n 9	8s 3	5s 0	3s49	1s38	9n 1	0s 9	12n37	0n23	7s56	1s13	6n50	2n48	13n49	0s17	15s 6	1n46	19n39	17n46	23n15	23n20	7n33		n.a.
S 2	2 32	3 3	4 51	2 54	1 30	9 30	0 6	12 51	0 23	7 51	1 13	6 52	2 48	13 50	0 17	15 6	1 46	19 40	17 46	23 14	23 20	7 36		n.a.
S 3	2 55	2n 1	4 28	1 58	1 22	10 0	0 4	13 6	0 24	7 45	1 13	6 54	2 48	13 51	0 17	15 5	1 46	19 40	17 46	23 13	23 19	7 39		n.a.
M 4	3 18	7 0	3 54	1 1	1 14	10 29	0 1	13 20	0 24	7 40	1 13	6 55	2 48	13 52	0 17	15 5	1 46	19 41	17 46	23 12	23 19	7 42		n.a.
T 5	3 41	11 43	3 10	0 3	1 5	10 58	0n 1	13 34	0 25	7 35	1 13	6 57	2 48	13 54	0 17	15 4	1 47	19 41	17 45	23 11	23 19	7 45		n.a.
W 6	4 5	16 1	2 17	0n56	0 56	11 27	0 4	13 48	0 26	7 30	1 13	6 58	2 48	13 55	0 17	15 4	1 47	19 42	17 45	23 11	23 19	7 48		n.a.
T 7	4 27	19 42	1 19	1 56	0 46	11 56	0 6	14 3	0 26	7 24	1 13	7 0	2 48	13 56	0 17	15 4	1 47	19 42	17 45	23 11	23 18	7 50		n.a.
F 8	4 50	22 36	0 16	2 56	0 36	12 24	0 9	14 16	0 27	7 19	1 13	7 1	2 48	13 57	0 17	15 3	1 47	19 42	17 45	23 10	23 18	7 53		n.a.
S 9	5 13	24 32	0n49	3 56	0 26	12 52	0 12	14 30	0 27	7 14	1 13	7 3	2 47	13 58	0 17	15 3	1 47	19 43	17 45	23 10	23 18	7 56		n.a.
S 10	5 36	25 18	1 52	4 57	0 16	13 20	0 14	14 44	0 28	7 9	1 13	7 4	2 47	13 59	0 17	15 2	1 47	19 43	17 44	23 11	23 18	7 59		n.a.
M11	5 59	24 47	2 52	5 58	0 5	13 47	0 17	14 58	0 28	7 4	1 14	7 6	2 47	14 0	0 17	15 2	1 47	19 44	17 44	23 11	23 17	8 2		n.a.
T 12	6 21	22 53	3 45	6 59	0n 5	14 14	0 20	15 11	0 29	6 58	1 14	7 7	2 47	14 1	0 17	15 2	1 47	19 44	17 44	23 10	23 17	8 5		n.a.
W13	6 43	19 39	4 27	7 59	0 16	14 41	0 22	15 24	0 29	6 53	1 14	7 8	2 47	14 2	0 17	15 1	1 47	19 44	17 44	23 10	23 17	8 8		n.a.
T 14	7 6	15 11	4 55	8 58	0 26	15 7	0 25	15 38	0 30	6 48	1 14	7 10	2 47	14 3	0 17	15 1	1 47	19 45	17 43	23 9	23 16	8 11		n.a.
F 15	7 28	9 43	5 5	9 57	0 37	15 33	0 27	15 51	0 30	6 43	1 14	7 11	2 47	14 4	0 17	15 0	1 47	19 45	17 43	23 9	23 16	8 14		n.a.
S 16	7 50	3 33	4 54	10 55	0 47	15 58	0 30	16 4	0 31	6 38	1 14	7 12	2 47	14 6	0 17	15 0	1 47	19 45	17 43	23 8	23 16	8 17		n.a.
S 17	8 12	2s55	4 23	11 51	0 57	16 24	0 33	16 16	0 31	6 33	1 14	7 14	2 46	14 7	0 17	15 0	1 47	19 46	17 42	23 7	23 16	8 19		n.a.
M18	8 34	9 16	3 33	12 46	1 7	16 48	0 35	16 29	0 32	6 28	1 14	7 15	2 46	14 8	0 17	14 59	1 47	19 46	17 42	23 6	23 15	8 22		n.a.
T 19	8 56	15 2	2 28	13 39	1 16	17 13	0 38	16 42	0 32	6 23	1 14	7 16	2 46	14 9	0 17	14 59	1 47	19 46	17 42	23 6	23 15	8 25		n.a.
W20	9 17	19 48	1 14	14 30	1 24	17 36	0 40	16 54	0 33	6 18	1 15	7 17	2 46	14 10	0 17	14 58	1 47	19 46	17 42	23 6	23 15	8 28		n.a.
T 21	9 39	23 12	0s 3	15 19	1 33	18 0	0 43	17 7	0 33	6 13	1 15	7 18	2 46	14 11	0 17	14 58	1 47	19 47	17 41	23 6	23 15	8 31		n.a.
F 22	10 0	25 3	1 18	16 6	1 40	18 23	0 45	17 19	0 34	6 8	1 15	7 19	2 46	14 12	0 17	14 57	1 47	19 47	17 41	23 6	23 14	8 34		n.a.
S 23	10 21	25 18	2 27	16 51	1 47	18 45	0 48	17 31	0 34	6 3	1 15	7 20	2 46	14 13	0 17	14 57	1 47	19 47	17 40	23 6	23 14	8 37		n.a.
S 24	10 42	24 5	3 25	17 33	1 53	19 7	0 50	17 43	0 35	5 58	1 15	7 21	2 45	14 15	0 17	14 56	1 47	19 47	17 40	23 6	23 14	8 40		n.a.
M25	11 3	21 37	4 11	18 13	1 59	19 29	0 53	17 54	0 35	5 53	1 15	7 23	2 45	14 16	0 17	14 56	1 47	19 48	17 40	23 6	23 13	8 43		n.a.
T 26	11 23	18 10	4 44	18 51	2 4	19 50	0 55	18 6	0 36	5 48	1 15	7 23	2 45	14 17	0 17	14 55	1 47	19 48	17 39	23 5	23 13	8 45		n.a.
W27	11 44	14 0	5 3	19 26	2 8	20 11	0 58	18 18	0 36	5 44	1 16	7 24	2 45	14 18	0 17	14 55	1 47	19 48	17 39	23 5	23 13	8 48		n.a.
T 28	12 4	9 19	5 8	19 59	2 12	20 30	1 0	18 29	0 37	5 39	1 16	7 25	2 45	14 19	0 17	14 55	1 47	19 48	17 39	23 4	23 13	8 51		n.a.
F 29	12 24	4 21	4 59	20 30	2 15	20 50	1 2	18 40	0 37	5 34	1 16	7 26	2 44	14 20	0 17	14 54	1 47	19 48	17 38	23 3	23 12	8 54		n.a.
S 30	12n44	0n44	4s37	20n58	2n17	21n 9	1n 5	18n51	0n38	5s29	1s16	7n27	2n44	14n22	0s17	14s54	1n47	19n48	17n38	23n 3	23n12	8n57		n.a.

Julian Day Number = 1541445.5, Delta T = 04h37m23s
Ecliptic obliquity = 23°45'20, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'41, Lahiri = -10°45'41 Julian Calendar 1 Apr. 493 BCE == Greg. Calendar 27 March 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

MAY 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 12 56	4♉ 8'18	24♈18	24♉36	29♉45	21♉41	19♓24	17°R38	8♉52	15°R 8	20°R45	16°R12	17♊53	2♉21	n.a.	S 1
M 2	14 16 52	5° 5'37	6♉ 7	26°10	0♊58	22°20	19°37	17♍35	8°56	15♏ 7	20♍44	16♊ 5	17°50	2°27	n.a.	M 2
T 3	14 20 49	6° 2'55	17°57	27°41	2°10	22°59	19°49	17°33	9° 0	15° 5	20°43	16° 0	17°47	2°34	n.a.	T 3
W 4	14 24 45	7° 0'12	29°48	29° 9	3°23	23°39	20° 0	17°31	9° 3	15° 3	20°42	15°57	17°44	2°41	n.a.	W 4
T 5	14 28 42	7°57'29	11♊43	0♊33	4°35	24°18	20°12	17°29	9° 7	15° 2	20°41	15°D56	17°40	2°47	n.a.	T 5
F 6	14 32 38	8°54'44	23°45	1°55	5°48	24°57	20°24	17°27	9°10	15° 0	20°40	15°56	17°37	2°54	n.a.	F 6
S 7	14 36 35	9°51'59	5♋57	3°14	7° 0	25°36	20°36	17°25	9°14	14°59	20°39	15°57	17°34	3° 1	n.a.	S 7
S 8	14 40 31	10°49'13	18°23	4°30	8°12	26°16	20°47	17°23	9°17	14°57	20°38	15°59	17°31	3° 8	n.a.	S 8
M 9	14 44 28	11°46'26	1♌ 8	5°42	9°25	26°55	20°59	17°21	9°21	14°55	20°37	16° 0	17°28	3°14	n.a.	M 9
T 10	14 48 25	12°43'37	14°14	6°52	10°37	27°34	21°10	17°19	9°24	14°54	20°36	16°R 0	17°24	3°21	n.a.	T 10
W11	14 52 21	13°40'48	27°45	7°58	11°49	28°13	21°22	17°18	9°28	14°52	20°36	16° 0	17°21	3°28	n.a.	W11
T 12	14 56 18	14°37'58	11♍42	9° 1	13° 1	28°52	21°33	17°16	9°31	14°50	20°35	15°58	17°18	3°34	n.a.	T 12
F 13	15 0 14	15°35'07	26° 6	10° 0	14°14	29°31	21°44	17°15	9°35	14°49	20°34	15°54	17°15	3°41	n.a.	F 13
S 14	15 4 11	16°32'16	10♎54	10°56	15°26	0♊10	21°55	17°14	9°38	14°47	20°33	15°50	17°12	3°48	n.a.	S 14
S 15	15 8 7	17°29'23	25°58	11°49	16°38	0°49	22° 6	17°13	9°42	14°46	20°32	15°46	17° 9	3°54	n.a.	S 15
M16	15 12 4	18°26'30	11♏10	12°38	17°50	1°28	22°17	17°12	9°45	14°44	20°32	15°43	17° 5	4° 1	n.a.	M16
T 17	15 16 0	19°23'37	26°20	13°23	19° 2	2° 7	22°28	17°11	9°49	14°42	20°31	15°41	17° 2	4° 8	n.a.	T 17
W18	15 19 57	20°20'43	11♐20	14° 4	20°14	2°46	22°39	17°10	9°52	14°41	20°30	15°D40	16°59	4°14	n.a.	W18
T 19	15 23 54	21°17'49	26° 0	14°41	21°26	3°25	22°49	17° 9	9°56	14°39	20°30	15°40	16°56	4°21	n.a.	T 19
F 20	15 27 50	22°14'56	10♑16	15°14	22°38	4° 4	23° 0	17° 8	9°59	14°38	20°29	15°41	16°53	4°28	n.a.	F 20
S 21	15 31 47	23°12'02	24° 5	15°43	23°49	4°43	23°10	17° 8	10° 3	14°36	20°29	15°43	16°50	4°34	n.a.	S 21
S 22	15 35 43	24° 9'07	7♒27	16° 8	25° 1	5°22	23°20	17° 7	10° 6	14°34	20°28	15°44	16°46	4°41	n.a.	S 22
M23	15 39 40	25° 6'13	20°26	16°28	26°13	6° 1	23°31	17° 7	10°10	14°33	20°28	15°R45	16°43	4°48	n.a.	M23
T 24	15 43 36	26° 3'19	3♓ 3	16°44	27°25	6°39	23°41	17° 6	10°13	14°31	20°27	15°45	16°40	4°54	n.a.	T 24
W25	15 47 33	27° 0'25	15°23	16°55	28°36	7°18	23°51	17° 6	10°16	14°30	20°27	15°44	16°37	5° 1	n.a.	W25
T 26	15 51 30	27°57'32	27°29	17° 2	29°48	7°57	24° 1	17° 6	10°20	14°28	20°26	15°42	16°34	5° 8	n.a.	T 26
F 27	15 55 26	28°54'38	9♈27	17°R 4	1♋ 0	8°36	24°10	17°D 6	10°23	14°26	20°26	15°40	16°30	5°14	n.a.	F 27
S 28	15 59 23	29°51'44	21°18	17° 2	2°11	9°15	24°20	17° 6	10°27	14°25	20°26	15°37	16°27	5°21	n.a.	S 28
S 29	16 3 19	0♊48'51	3♉ 7	16°55	3°23	9°53	24°29	17° 6	10°30	14°23	20°26	15°35	16°24	5°28	n.a.	S 29
M30	16 7 16	1°45'58	14°57	16°43	4°34	10°32	24°39	17° 6	10°33	14°22	20°25	15°33	16°21	5°35	n.a.	M30
T 31	16 11 12	2♊43'05	26♉49	16♊28	5♋45	11♊11	24♓48	17♍ 7	10♉37	14♏20	20♍25	15♊32	16♊18	5♉41	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	13n 4	5n47	4s 3	21n24	2n18	21n27	1n 7	19n 2	0n38	5s25	1s16	7n28	2n44	14n23	0s17	14s53	1n47	19n48	17n37	23n 2	23n12	9n 0			n.a.
M 2	13 23	10 37	3 19	21 47	2 18	21 45	1 9	19 13	0 38	5 20	1 16	7 29	2 44	14 24	0 17	14 53	1 47	19 48	17 37	23 1	23 11	9 3			n.a.
T 3	13 43	15 4	2 26	22 9	2 18	22 2	1 11	19 23	0 39	5 15	1 16	7 29	2 44	14 25	0 17	14 52	1 47	19 48	17 37	23 1	23 11	9 6			n.a.
W 4	14 2	18 58	1 27	22 28	2 17	22 18	1 13	19 34	0 39	5 11	1 17	7 30	2 43	14 26	0 17	14 52	1 47	19 48	17 36	23 0	23 11	9 8			n.a.
T 5	14 21	22 7	0 23	22 44	2 15	22 34	1 16	19 44	0 40	5 6	1 17	7 31	2 43	14 27	0 17	14 51	1 47	19 48	17 36	23 0	23 11	9 11			n.a.
F 6	14 39	24 19	0n43	22 59	2 13	22 50	1 18	19 54	0 40	5 2	1 17	7 31	2 43	14 28	0 17	14 51	1 47	19 48	17 35	23 0	23 10	9 14			n.a.
S 7	14 58	25 24	1 47	23 12	2 9	23 4	1 20	20 4	0 41	4 57	1 17	7 32	2 43	14 30	0 17	14 50	1 47	19 48	17 35	23 0	23 10	9 17			n.a.
S 8	15 16	25 15	2 48	23 22	2 5	23 18	1 22	20 14	0 41	4 53	1 17	7 32	2 43	14 31	0 17	14 50	1 47	19 48	17 34	23 0	23 10	9 20			n.a.
M 9	15 34	23 47	3 42	23 31	2 1	23 32	1 24	20 24	0 42	4 48	1 17	7 33	2 42	14 32	0 17	14 49	1 47	19 48	17 34	23 1	23 9	9 23			n.a.
T 10	15 52	21 1	4 26	23 38	1 55	23 45	1 25	20 33	0 42	4 44	1 18	7 33	2 42	14 33	0 17	14 49	1 47	19 48	17 33	23 1	23 9	9 26			n.a.
W11	16 9	17 3	4 57	23 43	1 49	23 57	1 27	20 43	0 42	4 39	1 18	7 34	2 42	14 34	0 17	14 48	1 47	19 48	17 33	23 0	23 9	9 29			n.a.
T 12	16 26	12 3	5 12	23 46	1 42	24 8	1 29	20 52	0 43	4 35	1 18	7 34	2 42	14 35	0 17	14 48	1 47	19 48	17 32	23 0	23 8	9 31			n.a.
F 13	16 43	6 16	5 8	23 47	1 34	24 19	1 31	21 1	0 43	4 31	1 18	7 34	2 42	14 36	0 17	14 47	1 47	19 48	17 32	23 0	23 8	9 34			n.a.
S 14	17 0	0s 1	4 44	23 47	1 25	24 29	1 32	21 10	0 44	4 26	1 18	7 35	2 41	14 38	0 17	14 47	1 47	19 48	17 31	22 59	23 8	9 37			n.a.
S 15	17 16	6 26	4 0	23 46	1 16	24 38	1 34	21 19	0 44	4 22	1 18	7 35	2 41	14 39	0 17	14 47	1 47	19 47	17 31	22 59	23 7	9 40			n.a.
M16	17 33	12 33	2 58	23 42	1 6	24 47	1 36	21 27	0 44	4 18	1 19	7 35	2 41	14 40	0 17	14 46	1 47	19 47	17 30	22 59	23 7	9 43			n.a.
T 17	17 48	17 54	1 44	23 37	0 56	24 55	1 37	21 36	0 45	4 14	1 19	7 35	2 41	14 41	0 17	14 46	1 47	19 47	17 30	22 58	23 7	9 46			n.a.
W18	18 4	22 2	0 24	23 31	0 44	25 2	1 39	21 44	0 45	4 10	1 19	7 35	2 40	14 42	0 17	14 45	1 47	19 47	17 29	22 58	23 7	9 49			n.a.
T 19	18 19	24 38	0s57	23 24	0 32	25 8	1 40	21 52	0 46	4 6	1 19	7 36	2 40	14 43	0 17	14 45	1 47	19 47	17 29	22 58	23 6	9 52			n.a.
F 20	18 34	25 32	2 11	23 15	0 20	25 14	1 41	22 0	0 46	4 2	1 19	7 36	2 40	14 44	0 17	14 44	1 47	19 46	17 28	22 59	23 6	9 54			n.a.
S 21	18 49	24 48	3 16	23 5	0 7	25 19	1 42	22 7	0 46	3 58	1 20	7 36	2 40	14 45	0 17	14 44	1 47	19 46	17 28	22 59	23 6	9 57			n.a.
S 22	19 3	22 38	4 8	22 54	0s 7	25 23	1 44	22 15	0 47	3 54	1 20	7 36	2 39	14 46	0 17	14 43	1 47	19 46	17 27	22 59	23 5	10 0			n.a.
M23	19 18	19 22	4 45	22 42	0 21	25 27	1 45	22 22	0 47	3 50	1 20	7 36	2 39	14 48	0 17	14 43	1 47	19 46	17 27	22 59	23 5	10 3			n.a.
T 24	19 31	15 17	5 8	22 29	0 36	25 30	1 46	22 29	0 48	3 46	1 20	7 35	2 39	14 49	0 17	14 42	1 47	19 45	17 26	22 59	23 5	10 6			n.a.
W25	19 45	10 40	5 15	22 15	0 51	25 32	1 47	22 36	0 48	3 42	1 20	7 35	2 39	14 50	0 17	14 42	1 47	19 45	17 26	22 59	23 4	10 9			n.a.
T 26	19 58	5 43	5 9	22 1	1 7	25 33	1 48	22 43	0 48	3 38	1 21	7 35	2 38	14 51	0 17	14 42	1 47	19 45	17 25	22 59	23 4	10 12			n.a.
F 27	20 11	0 38	4 49	21 45	1 22	25 34	1 48	22 50	0 49	3 35	1 21	7 35	2 38	14 52	0 17	14 41	1 47	19 44	17 25	22 58	23 4	10 14			n.a.
S 28	20 23	4n27	4 17	21 29	1 38	25 33	1 49	22 56	0 49	3 31	1 21	7 35	2 38	14 53	0 17	14 41	1 47	19 44	17 24	22 58	23 3	10 17			n.a.
S 29	20 35	9 23	3 33	21 13	1 54	25 33	1 50	23 3	0 50	3 27	1 21	7 34	2 38	14 54	0 17	14 40	1 47	19 43	17 23	22 58	23 3	10 20			n.a.
M30	20 47	13 58	2 41	20 56	2 10	25 31	1 50	23 9	0 50	3 24	1 22	7 34	2 37	14 55	0 17	14 40	1 47	19 43	17 23	22 58	23 3	10 23			n.a.
T 31	20n59	18n 3	1s42	20n38	2s26	25n29	1n51	23n15	0n50	3s20	1s22	7n34	2n37	14n56	0s17	14s39	1n47	19n43	17n22	22n57	23n 2	10n26			n.a.

Julian Day Number = 1541475.5, Delta T = 04h37m22s
Ecliptic obliquity = 23°45'20, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'37, Lahiri = -10°45'37 Julian Calendar 1 May 493 BCE == Greg. Calendar 26 Apr. 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

JUNE 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 15 9	3♊40'12	8♊47	16°R 8	6♋57	11♊50	24♓57	17♍ 7	10♉40	14°R19	20°R25	15°R31	16♊15	5♉48	n.a.	W 1
T 2	16 19 5	4°37'19	20°51	15♊44	8° 8	12°28	25° 6	17° 8	10°43	14♏17	20♍25	15°D31	16°11	5°55	n.a.	T 2
F 3	16 23 2	5°34'26	3♋ 4	15°16	9°19	13° 7	25°15	17° 8	10°47	14°16	20°25	15♊31	16° 8	6° 1	n.a.	F 3
S 4	16 26 59	6°31'34	15°28	14°46	10°31	13°46	25°24	17° 9	10°50	14°14	20°24	15°32	16° 5	6° 8	n.a.	S 4
S 5	16 30 55	7°28'41	28° 6	14°12	11°42	14°24	25°32	17°10	10°53	14°13	20°24	15°33	16° 2	6°15	n.a.	S 5
M 6	16 34 52	8°25'49	10♌58	13°37	12°53	15° 3	25°41	17°11	10°56	14°11	20°D24	15°34	15°59	6°21	n.a.	M 6
T 7	16 38 48	9°22'56	24° 9	13° 0	14° 4	15°41	25°49	17°12	11° 0	14°10	20°24	15°34	15°56	6°28	n.a.	T 7
W 8	16 42 45	10°20'04	7♍39	12°21	15°15	16°20	25°58	17°13	11° 3	14° 9	20°24	15°R34	15°52	6°35	n.a.	W 8
T 9	16 46 41	11°17'11	21°30	11°43	16°26	16°59	26° 6	17°14	11° 6	14° 7	20°25	15°34	15°49	6°41	n.a.	T 9
F 10	16 50 38	12°14'19	5♎41	11° 4	17°37	17°37	26°14	17°16	11° 9	14° 6	20°25	15°34	15°46	6°48	n.a.	F 10
S 11	16 54 34	13°11'26	20°11	10°27	18°48	18°16	26°21	17°17	11°12	14° 4	20°25	15°34	15°43	6°55	n.a.	S 11
S 12	16 58 31	14° 8'34	4♏56	9°51	19°59	18°54	26°29	17°19	11°15	14° 3	20°25	15°34	15°40	7° 1	n.a.	S 12
M13	17 2 28	15° 5'42	19°50	9°17	21° 9	19°33	26°37	17°20	11°18	14° 2	20°25	15°D34	15°36	7° 8	n.a.	M13
T 14	17 6 24	16° 2'51	4♐46	8°46	22°20	20°11	26°44	17°22	11°21	14° 0	20°26	15°34	15°33	7°15	n.a.	T 14
W15	17 10 21	17° 0'00	19°36	8°19	23°30	20°50	26°51	17°24	11°24	13°59	20°26	15°R34	15°30	7°21	n.a.	W15
T 16	17 14 17	17°57'10	4♑12	7°55	24°41	21°28	26°58	17°26	11°27	13°58	20°26	15°34	15°27	7°28	n.a.	T 16
F 17	17 18 14	18°54'20	18°28	7°36	25°51	22° 7	27° 5	17°28	11°30	13°57	20°26	15°33	15°24	7°35	n.a.	F 17
S 18	17 22 10	19°51'32	2♒21	7°22	27° 2	22°45	27°12	17°30	11°33	13°55	20°27	15°33	15°21	7°41	n.a.	S 18
S 19	17 26 7	20°48'44	15°49	7°13	28°12	23°24	27°19	17°32	11°36	13°54	20°27	15°32	15°17	7°48	n.a.	S 19
M20	17 30 4	21°45'57	28°52	7°D 9	29°22	24° 2	27°25	17°34	11°39	13°53	20°28	15°32	15°14	7°55	n.a.	M20
T 21	17 34 0	22°43'11	11♓33	7°11	0♌33	24°40	27°32	17°37	11°42	13°52	20°28	15°31	15°11	8° 1	n.a.	T 21
W22	17 37 57	23°40'26	23°55	7°19	1°43	25°19	27°38	17°39	11°45	13°51	20°29	15°D31	15° 8	8° 8	n.a.	W22
T 23	17 41 53	24°37'42	6♈ 2	7°33	2°53	25°57	27°44	17°42	11°48	13°50	20°29	15°31	15° 5	8°15	n.a.	T 23
F 24	17 45 50	25°34'59	17°58	7°52	4° 3	26°36	27°50	17°44	11°50	13°48	20°30	15°32	15° 1	8°21	n.a.	F 24
S 25	17 49 46	26°32'18	29°49	8°18	5°13	27°14	27°55	17°47	11°53	13°47	20°31	15°33	14°58	8°28	n.a.	S 25
S 26	17 53 43	27°29'37	11♉38	8°50	6°22	27°52	28° 1	17°50	11°56	13°46	20°31	15°34	14°55	8°35	n.a.	S 26
M27	17 57 39	28°26'58	23°30	9°27	7°32	28°31	28° 6	17°53	11°59	13°45	20°32	15°35	14°52	8°41	n.a.	M27
T 28	18 1 36	29°24'20	5♊27	10°11	8°42	29° 9	28°11	17°56	12° 1	13°44	20°33	15°36	14°49	8°48	n.a.	T 28
W29	18 5 33	0♋21'43	17°33	11° 1	9°51	29°48	28°17	17°59	12° 4	13°43	20°33	15°R36	14°46	8°55	n.a.	W29
T 30	18 9 29	1♋19'07	29♊50	11♊57	11♌ 1	0♋26	28♓21	18♍ 2	12♉ 6	13♏42	20♍34	15♊36	14♊42	9♉ 1	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n10	21n27	0s37	20n21	2s41	25n25	1n51	23n20	0n51	3s17	1s22	7n33	2n37	14n57	0s17	14s39	1n47	19n42	17n22	22n57	23n 2	10n29		n.a.
T 2	21 21	23 56	0n30	20 3	2 56	25 22	1 52	23 26	0 51	3 14	1 22	7 33	2 37	14 58	0 17	14 38	1 47	19 42	17 21	22 57	23 2	10 32		n.a.
F 3	21 31	25 19	1 36	19 46	3 11	25 17	1 52	23 31	0 51	3 10	1 22	7 32	2 36	14 59	0 17	14 38	1 47	19 41	17 21	22 57	23 1	10 34		n.a.
S 4	21 41	25 28	2 39	19 29	3 25	25 12	1 52	23 37	0 52	3 7	1 23	7 32	2 36	15 0	0 17	14 38	1 47	19 41	17 20	22 58	23 1	10 37		n.a.
S 5	21 51	24 19	3 35	19 13	3 37	25 6	1 52	23 42	0 52	3 4	1 23	7 31	2 36	15 1	0 17	14 37	1 47	19 40	17 19	22 58	23 1	10 40		n.a.
M 6	22 0	21 53	4 21	18 57	3 49	24 59	1 52	23 46	0 52	3 0	1 23	7 31	2 36	15 2	0 17	14 37	1 47	19 40	17 19	22 58	23 0	10 43		n.a.
T 7	22 9	18 17	4 56	18 41	4 0	24 52	1 52	23 51	0 53	2 57	1 23	7 30	2 35	15 3	0 17	14 36	1 46	19 39	17 18	22 58	23 0	10 46		n.a.
W 8	22 18	13 39	5 14	18 27	4 9	24 43	1 52	23 55	0 53	2 54	1 24	7 29	2 35	15 4	0 17	14 36	1 46	19 39	17 18	22 58	23 0	10 49		n.a.
T 9	22 26	8 14	5 16	18 14	4 17	24 35	1 52	24 0	0 53	2 51	1 24	7 29	2 35	15 5	0 17	14 36	1 46	19 38	17 17	22 58	22 59	10 51		n.a.
F 10	22 34	2 16	4 58	18 2	4 24	24 25	1 51	24 4	0 54	2 48	1 24	7 28	2 35	15 6	0 17	14 35	1 46	19 38	17 17	22 58	22 59	10 54		n.a.
S 11	22 41	3s58	4 21	17 52	4 29	24 15	1 51	24 8	0 54	2 45	1 24	7 27	2 35	15 7	0 17	14 35	1 46	19 37	17 16	22 58	22 59	10 57		n.a.
S 12	22 48	10 5	3 27	17 44	4 33	24 4	1 50	24 11	0 54	2 42	1 25	7 26	2 34	15 8	0 17	14 35	1 46	19 36	17 15	22 58	22 58	11 0		n.a.
M13	22 55	15 43	2 18	17 37	4 34	23 52	1 50	24 15	0 55	2 40	1 25	7 25	2 34	15 9	0 17	14 34	1 46	19 36	17 15	22 58	22 58	11 3		n.a.
T 14	23 1	20 24	1 0	17 32	4 35	23 40	1 49	24 18	0 55	2 37	1 25	7 24	2 34	15 10	0 17	14 34	1 46	19 35	17 14	22 58	22 58	11 6		n.a.
W15	23 7	23 43	0s22	17 29	4 33	23 27	1 48	24 21	0 55	2 34	1 25	7 24	2 34	15 11	0 17	14 33	1 46	19 34	17 14	22 58	22 57	11 8		n.a.
T 16	23 12	25 23	1 42	17 28	4 30	23 14	1 47	24 24	0 56	2 31	1 26	7 23	2 33	15 12	0 17	14 33	1 46	19 34	17 13	22 58	22 57	11 11		n.a.
F 17	23 17	25 19	2 53	17 29	4 26	23 0	1 46	24 27	0 56	2 29	1 26	7 22	2 33	15 13	0 17	14 33	1 46	19 33	17 12	22 58	22 57	11 14		n.a.
S 18	23 22	23 39	3 52	17 33	4 20	22 45	1 45	24 30	0 56	2 26	1 26	7 21	2 33	15 14	0 17	14 32	1 46	19 32	17 12	22 58	22 56	11 17		n.a.
S 19	23 26	20 41	4 36	17 38	4 13	22 30	1 44	24 32	0 57	2 24	1 26	7 19	2 33	15 15	0 17	14 32	1 46	19 32	17 11	22 58	22 56	11 20		n.a.
M20	23 30	16 45	5 4	17 46	4 5	22 14	1 43	24 34	0 57	2 22	1 27	7 18	2 32	15 16	0 17	14 32	1 46	19 31	17 11	22 57	22 56	11 23		n.a.
T 21	23 33	12 11	5 16	17 55	3 56	21 57	1 42	24 36	0 57	2 19	1 27	7 17	2 32	15 17	0 17	14 32	1 46	19 30	17 10	22 57	22 55	11 25		n.a.
W22	23 36	7 14	5 14	18 7	3 46	21 40	1 40	24 38	0 58	2 17	1 27	7 16	2 32	15 18	0 17	14 31	1 46	19 30	17 10	22 57	22 55	11 28		n.a.
T 23	23 39	2 7	4 57	18 20	3 34	21 22	1 39	24 39	0 58	2 15	1 27	7 15	2 32	15 19	0 17	14 31	1 46	19 29	17 9	22 57	22 54	11 31		n.a.
F 24	23 41	3n 1	4 28	18 35	3 22	21 4	1 37	24 41	0 58	2 13	1 28	7 14	2 31	15 19	0 17	14 31	1 46	19 28	17 8	22 57	22 54	11 34		n.a.
S 25	23 43	8 1	3 47	18 52	3 10	20 45	1 35	24 42	0 59	2 11	1 28	7 12	2 31	15 20	0 17	14 30	1 46	19 27	17 8	22 58	22 54	11 37		n.a.
S 26	23 44	12 43	2 57	19 10	2 56	20 26	1 33	24 43	0 59	2 9	1 28	7 11	2 31	15 21	0 17	14 30	1 46	19 27	17 7	22 58	22 53	11 40		n.a.
M27	23 45	16 58	1 59	19 29	2 43	20 6	1 31	24 44	0 59	2 7	1 29	7 10	2 31	15 22	0 17	14 30	1 46	19 26	17 7	22 58	22 53	11 42		n.a.
T 28	23 45	20 35	0 56	19 49	2 29	19 46	1 29	24 45	0 59	2 5	1 29	7 8	2 30	15 23	0 17	14 30	1 46	19 25	17 6	22 58	22 53	11 45		n.a.
W29	23 45	23 21	0n11	20 11	2 14	19 25	1 27	24 45	1 0	2 3	1 29	7 7	2 30	15 24	0 17	14 29	1 46	19 24	17 6	22 58	22 52	11 48		n.a.
T 30	23n45	25n 3	1n18	20n33	2s 0	19n 3	1n25	24n45	1n 0	2s 2	1s29	7n 5	2n30	15n24	0s17	14s29	1n46	19n23	17n 5	22n58	22n52	11n51		n.a.

Julian Day Number = 1541506.5, Delta T = 04h37m20s
Ecliptic obliquity = 23°45'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'33, Lahiri = -10°45'32 Julian Calendar 1 June 493 BCE == Greg. Calendar 27 May 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

JULY 493 BCE (-492) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 13 26	2♋16'32	12♋19	12♊58	12♌10	1♋ 4	28♓26	18♍ 5	12♉ 9	13°R41	20♍35	15°R34	14♊39	9♉ 8	n.a.	F 1
S 2	18 17 22	3°13'58	25° 2	14° 5	13°20	1°43	28°31	18° 8	12°12	13♏40	20°36	15♊32	14°36	9°15	n.a.	S 2
S 3	18 21 19	4°11'25	7♌58	15°17	14°29	2°21	28°35	18°12	12°14	13°40	20°37	15°30	14°33	9°22	n.a.	S 3
M 4	18 25 15	5° 8'53	21° 9	16°35	15°38	2°59	28°39	18°15	12°17	13°39	20°38	15°27	14°30	9°28	n.a.	M 4
T 5	18 29 12	6° 6'22	4♍33	17°58	16°47	3°37	28°43	18°19	12°19	13°38	20°39	15°24	14°27	9°35	n.a.	T 5
W 6	18 33 9	7° 3'52	18°11	19°26	17°56	4°16	28°47	18°23	12°21	13°37	20°40	15°23	14°23	9°42	n.a.	W 6
T 7	18 37 5	8° 1'23	2♎ 2	20°58	19° 5	4°54	28°50	18°26	12°24	13°36	20°41	15°D22	14°20	9°48	n.a.	T 7
F 8	18 41 2	8°58'55	16° 6	22°35	20°14	5°32	28°54	18°30	12°26	13°35	20°42	15°22	14°17	9°55	n.a.	F 8
S 9	18 44 58	9°56'28	0♏21	24°15	21°23	6°11	28°57	18°34	12°28	13°35	20°43	15°23	14°14	10° 2	n.a.	S 9
S 10	18 48 55	10°54'02	14°45	26° 0	22°31	6°49	29° 0	18°38	12°30	13°34	20°44	15°24	14°11	10° 8	n.a.	S 10
M11	18 52 51	11°51'37	29°15	27°48	23°40	7°27	29° 3	18°42	12°33	13°33	20°45	15°25	14° 7	10°15	n.a.	M11
T 12	18 56 48	12°49'13	13♐47	29°38	24°48	8° 5	29° 6	18°46	12°35	13°33	20°46	15°R26	14° 4	10°22	n.a.	T 12
W13	19 0 44	13°46'51	28°15	1♋32	25°56	8°44	29° 8	18°50	12°37	13°32	20°47	15°25	14° 1	10°28	n.a.	W13
T 14	19 4 41	14°44'30	12♑34	3°27	27° 4	9°22	29°10	18°55	12°39	13°32	20°49	15°23	13°58	10°35	n.a.	T 14
F 15	19 8 38	15°42'10	26°39	5°24	28°12	10° 0	29°13	18°59	12°41	13°31	20°50	15°20	13°55	10°42	n.a.	F 15
S 16	19 12 34	16°39'52	10♒26	7°23	29°20	10°38	29°14	19° 3	12°43	13°30	20°51	15°16	13°52	10°48	n.a.	S 16
S 17	19 16 31	17°37'35	23°52	9°23	0♍28	11°17	29°16	19° 8	12°45	13°30	20°53	15°11	13°48	10°55	n.a.	S 17
M18	19 20 27	18°35'20	6♓55	11°23	1°36	11°55	29°18	19°12	12°47	13°30	20°54	15° 6	13°45	11° 2	n.a.	M18
T 19	19 24 24	19°33'07	19°37	13°24	2°43	12°33	29°19	19°17	12°49	13°29	20°55	15° 1	13°42	11° 8	n.a.	T 19
W20	19 28 20	20°30'56	2♈ 0	15°24	3°51	13°11	29°20	19°22	12°50	13°29	20°57	14°58	13°39	11°15	n.a.	W20
T 21	19 32 17	21°28'46	14° 8	17°25	4°58	13°49	29°21	19°27	12°52	13°28	20°58	14°57	13°36	11°22	n.a.	T 21
F 22	19 36 13	22°26'38	26° 5	19°25	6° 5	14°28	29°22	19°31	12°54	13°28	21° 0	14°D56	13°33	11°28	n.a.	F 22
S 23	19 40 10	23°24'33	7♉55	21°25	7°12	15° 6	29°22	19°36	12°56	13°28	21° 1	14°57	13°29	11°35	n.a.	S 23
S 24	19 44 7	24°22'29	19°45	23°24	8°19	15°44	29°23	19°41	12°57	13°27	21° 3	14°59	13°26	11°42	n.a.	S 24
M25	19 48 3	25°20'27	1♊39	25°22	9°26	16°22	29°R23	19°46	12°59	13°27	21° 4	15° 0	13°23	11°48	n.a.	M25
T 26	19 52 0	26°18'27	13°41	27°20	10°32	17° 0	29°23	19°51	13° 0	13°27	21° 6	15°R 1	13°20	11°55	n.a.	T 26
W27	19 55 56	27°16'29	25°55	29°16	11°39	17°39	29°23	19°57	13° 2	13°27	21° 7	15° 0	13°17	12° 2	n.a.	W27
T 28	19 59 53	28°14'33	8♋25	1♌11	12°45	18°17	29°22	20° 2	13° 3	13°27	21° 9	14°58	13°13	12° 8	n.a.	T 28
F 29	20 3 49	29°12'39	21°11	3° 5	13°51	18°55	29°22	20° 7	13° 5	13°27	21°11	14°53	13°10	12°15	n.a.	F 29
S 30	20 7 46	0♌10'47	4♌15	4°58	14°57	19°33	29°21	20°12	13° 6	13°26	21°12	14°47	13° 7	12°22	n.a.	S 30
S 31	20 11 42	1♌ 8'57	17♌35	6♌50	16♍ 3	20♋11	29♓20	20♍18	13♉ 7	13♏26	21♍14	14♊40	13♊ 4	12♉28	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n44	25n32	2n22	20n55	1s45	18n42	1n23	24n45	1n 0	2s 0	1s30	7n 4	2n30	15n25	0s17	14s29	1n45	19n22	17n 4	22n58	22n52	11n54		n.a.
S 2	23 43	24 42	3 21	21 18	1 30	18 19	1 20	24 45	1 1	1 58	1 30	7 2	2 30	15 26	0 17	14 29	1 45	19 22	17 4	22 58	22 51	11 56		n.a.
S 3	23 41	22 32	4 10	21 41	1 16	17 57	1 18	24 45	1 1	1 57	1 30	7 1	2 29	15 27	0 17	14 28	1 45	19 21	17 3	22 57	22 51	11 59		n.a.
M 4	23 39	19 10	4 47	22 3	1 1	17 33	1 15	24 44	1 1	1 55	1 31	6 59	2 29	15 27	0 17	14 28	1 45	19 20	17 3	22 57	22 50	12 2		n.a.
T 5	23 37	14 45	5 9	22 26	0 47	17 10	1 13	24 44	1 1	1 54	1 31	6 57	2 29	15 28	0 17	14 28	1 45	19 19	17 2	22 57	22 50	12 5		n.a.
W 6	23 34	9 32	5 14	22 47	0 33	16 46	1 10	24 43	1 2	1 53	1 31	6 56	2 29	15 29	0 17	14 28	1 45	19 18	17 2	22 56	22 50	12 8		n.a.
T 7	23 31	3 47	5 2	23 7	0 19	16 21	1 7	24 42	1 2	1 52	1 31	6 54	2 28	15 30	0 17	14 28	1 45	19 17	17 1	22 56	22 49	12 10		n.a.
F 8	23 27	2s15	4 31	23 27	0 6	15 57	1 4	24 40	1 2	1 51	1 32	6 52	2 28	15 30	0 17	14 27	1 45	19 16	17 1	22 56	22 49	12 13		n.a.
S 9	23 23	8 16	3 43	23 44	0n 7	15 31	1 1	24 39	1 3	1 50	1 32	6 51	2 28	15 31	0 17	14 27	1 45	19 15	17 0	22 56	22 49	12 16		n.a.
S 10	23 18	13 55	2 41	24 0	0 19	15 6	0 58	24 37	1 3	1 49	1 32	6 49	2 28	15 32	0 17	14 27	1 45	19 14	16 59	22 57	22 48	12 19		n.a.
M11	23 13	18 50	1 28	24 14	0 30	14 40	0 55	24 35	1 3	1 48	1 33	6 47	2 28	15 32	0 17	14 27	1 45	19 13	16 59	22 57	22 48	12 22		n.a.
T 12	23 8	22 36	0 9	24 26	0 41	14 14	0 51	24 33	1 3	1 47	1 33	6 45	2 27	15 33	0 17	14 27	1 45	19 12	16 58	22 57	22 47	12 24		n.a.
W13	23 2	24 54	1s10	24 35	0 51	13 47	0 48	24 31	1 4	1 46	1 33	6 43	2 27	15 34	0 17	14 27	1 45	19 11	16 58	22 57	22 47	12 27		n.a.
T 14	22 56	25 32	2 23	24 42	1 0	13 20	0 44	24 29	1 4	1 45	1 33	6 42	2 27	15 34	0 17	14 27	1 45	19 10	16 57	22 57	22 47	12 30		n.a.
F 15	22 49	24 29	3 27	24 47	1 8	12 53	0 41	24 26	1 4	1 45	1 34	6 40	2 27	15 35	0 17	14 26	1 45	19 9	16 57	22 56	22 46	12 33		n.a.
S 16	22 42	21 58	4 17	24 48	1 16	12 26	0 37	24 23	1 4	1 44	1 34	6 38	2 27	15 36	0 17	14 26	1 45	19 9	16 56	22 56	22 46	12 36		n.a.
S 17	22 35	18 18	4 51	24 47	1 22	11 58	0 33	24 20	1 5	1 44	1 34	6 36	2 26	15 36	0 17	14 26	1 45	19 8	16 56	22 55	22 46	12 38		n.a.
M18	22 27	13 51	5 9	24 43	1 28	11 30	0 29	24 17	1 5	1 44	1 35	6 34	2 26	15 37	0 17	14 26	1 45	19 7	16 55	22 55	22 45	12 41		n.a.
T 19	22 19	8 55	5 11	24 37	1 33	11 2	0 26	24 14	1 5	1 43	1 35	6 32	2 26	15 37	0 17	14 26	1 44	19 5	16 55	22 54	22 45	12 44		n.a.
W20	22 10	3 45	4 58	24 28	1 37	10 34	0 22	24 10	1 5	1 43	1 35	6 30	2 26	15 38	0 17	14 26	1 44	19 4	16 54	22 54	22 44	12 47		n.a.
T 21	22 1	1n28	4 33	24 16	1 41	10 5	0 17	24 7	1 5	1 43	1 35	6 28	2 26	15 38	0 17	14 26	1 44	19 3	16 54	22 54	22 44	12 49		n.a.
F 22	21 52	6 33	3 55	24 2	1 44	9 36	0 13	24 3	1 6	1 43	1 36	6 26	2 26	15 39	0 17	14 26	1 44	19 2	16 53	22 54	22 44	12 52		n.a.
S 23	21 42	11 22	3 8	23 46	1 46	9 7	0 9	23 59	1 6	1 43	1 36	6 23	2 25	15 39	0 17	14 26	1 44	19 1	16 53	22 54	22 43	12 55		n.a.
S 24	21 32	15 46	2 13	23 27	1 47	8 38	0 5	23 55	1 6	1 43	1 36	6 21	2 25	15 40	0 17	14 26	1 44	19 0	16 52	22 54	22 43	12 58		n.a.
M25	21 21	19 35	1 12	23 6	1 47	8 9	0 0	23 50	1 6	1 43	1 37	6 19	2 25	15 40	0 17	14 26	1 44	18 59	16 52	22 54	22 42	13 1		n.a.
T 26	21 10	22 37	0 7	22 43	1 47	7 39	0s 4	23 46	1 7	1 44	1 37	6 17	2 25	15 41	0 17	14 26	1 44	18 58	16 51	22 54	22 42	13 3		n.a.
W27	20 59	24 40	0n59	22 19	1 47	7 9	0 9	23 41	1 7	1 44	1 37	6 15	2 25	15 41	0 17	14 26	1 44	18 57	16 51	22 54	22 42	13 6		n.a.
T 28	20 47	25 32	2 3	21 52	1 45	6 39	0 13	23 36	1 7	1 44	1 37	6 12	2 24	15 42	0 17	14 26	1 44	18 56	16 51	22 54	22 41	13 9		n.a.
F 29	20 35	25 4	3 3	21 24	1 44	6 9	0 18	23 31	1 7	1 45	1 38	6 10	2 24	15 42	0 17	14 26	1 44	18 55	16 50	22 53	22 41	13 12		n.a.
S 30	20 23	23 14	3 54	20 55	1 41	5 39	0 23	23 25	1 7	1 46	1 38	6 8	2 24	15 43	0 17	14 26	1 44	18 54	16 50	22 52	22 40	13 14		n.a.
S 31	20n10	20n 6	4n34	20n24	1n39	5n 9	0s28	23n20	1n 8	1s46	1s38	6n 6	2n24	15n43	0s17	14s26	1n44	18n53	16n49	22n52	22n40	13n17		n.a.

Julian Day Number = 1541536.5, Delta T = 04h37m19s
Ecliptic obliquity = 23°45'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'29, Lahiri = -10°45'28 Julian Calendar 1 July 493 BCE == Greg. Calendar 26 June 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

AUGUST 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 15 39	2♌ 7'08	1♍10	8♌40	17♍ 8	20♋50	29°R18	20♍23	13♉ 9	13°D26	21♍16	14°R32	13♊ 1	12♉35	n.a.	M 1
T 2	20 19 36	3° 5'21	14°58	10°30	18°14	21°28	29♓17	20°29	13°10	13♏26	21°18	14♊24	12°58	12°42	n.a.	T 2
W 3	20 23 32	4° 3'35	28°54	12°18	19°19	22° 6	29°15	20°34	13°11	13°26	21°19	14°18	12°54	12°48	n.a.	W 3
T 4	20 27 29	5° 1'51	12♎56	14° 5	20°24	22°44	29°13	20°40	13°12	13°27	21°21	14°14	12°51	12°55	n.a.	T 4
F 5	20 31 25	6° 0'09	27° 3	15°50	21°29	23°22	29°11	20°46	13°13	13°27	21°23	14°12	12°48	13° 2	n.a.	F 5
S 6	20 35 22	6°58'28	11♏11	17°35	22°33	24° 1	29° 9	20°52	13°14	13°27	21°25	14°D12	12°45	13° 8	n.a.	S 6
S 7	20 39 18	7°56'50	25°21	19°18	23°38	24°39	29° 7	20°57	13°15	13°27	21°27	14°12	12°42	13°15	n.a.	S 7
M 8	20 43 15	8°55'12	9♐29	21° 0	24°42	25°17	29° 4	21° 3	13°16	13°27	21°29	14°R13	12°39	13°22	n.a.	M 8
T 9	20 47 11	9°53'37	23°35	22°42	25°46	25°55	29° 1	21° 9	13°17	13°27	21°31	14°13	12°35	13°28	n.a.	T 9
W10	20 51 8	10°52'03	7♑37	24°21	26°50	26°33	28°58	21°15	13°18	13°28	21°32	14°11	12°32	13°35	n.a.	W10
T 11	20 55 4	11°50'31	21°32	26° 0	27°53	27°12	28°55	21°21	13°18	13°28	21°34	14° 6	12°29	13°42	n.a.	T 11
F 12	20 59 1	12°49'01	5♒16	27°38	28°57	27°50	28°52	21°27	13°19	13°28	21°36	13°59	12°26	13°48	n.a.	F 12
S 13	21 2 58	13°47'33	18°46	29°15	29°59	28°28	28°48	21°33	13°20	13°29	21°38	13°50	12°23	13°55	n.a.	S 13
S 14	21 6 54	14°46'07	2♓ 0	0♍50	1♎ 2	29° 6	28°44	21°39	13°20	13°29	21°40	13°39	12°19	14° 2	n.a.	S 14
M15	21 10 51	15°44'43	14°56	2°25	2° 5	29°44	28°40	21°46	13°21	13°30	21°42	13°28	12°16	14° 8	n.a.	M15
T 16	21 14 47	16°43'22	27°34	3°58	3° 7	0♌22	28°36	21°52	13°21	13°30	21°45	13°19	12°13	14°15	n.a.	T 16
W17	21 18 44	17°42'02	9♈55	5°31	4° 9	1° 1	28°32	21°58	13°22	13°31	21°47	13°11	12°10	14°22	n.a.	W17
T 18	21 22 40	18°40'45	22° 2	7° 2	5°11	1°39	28°27	22° 4	13°22	13°31	21°49	13° 5	12° 7	14°28	n.a.	T 18
F 19	21 26 37	19°39'30	3♉58	8°33	6°12	2°17	28°23	22°11	13°23	13°32	21°51	13° 1	12° 4	14°35	n.a.	F 19
S 20	21 30 33	20°38'18	15°48	10° 2	7°13	2°55	28°18	22°17	13°23	13°32	21°53	13°D 0	12° 0	14°42	n.a.	S 20
S 21	21 34 30	21°37'08	27°37	11°30	8°14	3°33	28°13	22°24	13°23	13°33	21°55	13° 0	11°57	14°48	n.a.	S 21
M22	21 38 27	22°36'00	9♊31	12°58	9°14	4°12	28° 8	22°30	13°23	13°34	21°57	13°R 0	11°54	14°55	n.a.	M22
T 23	21 42 23	23°34'55	21°34	14°24	10°14	4°50	28° 2	22°37	13°23	13°34	21°59	13° 0	11°51	15° 2	n.a.	T 23
W24	21 46 20	24°33'52	3♋53	15°49	11°14	5°28	27°57	22°43	13°24	13°35	22° 2	12°58	11°48	15° 8	n.a.	W24
T 25	21 50 16	25°32'51	16°30	17°13	12°13	6° 6	27°51	22°50	13°R24	13°36	22° 4	12°54	11°45	15°15	n.a.	T 25
F 26	21 54 13	26°31'53	29°30	18°36	13°12	6°45	27°45	22°56	13°24	13°37	22° 6	12°47	11°41	15°21	n.a.	F 26
S 27	21 58 9	27°30'57	12♌51	19°58	14°11	7°23	27°39	23° 3	13°23	13°37	22° 8	12°38	11°38	15°28	n.a.	S 27
S 28	22 2 6	28°30'03	26°35	21°19	15° 9	8° 1	27°33	23°10	13°23	13°38	22°11	12°26	11°35	15°35	n.a.	S 28
M29	22 6 2	29°29'12	10♍36	22°38	16° 7	8°39	27°27	23°16	13°23	13°39	22°13	12°14	11°32	15°41	n.a.	M29
T 30	22 9 59	0♍28'22	24°51	23°56	17° 4	9°17	27°20	23°23	13°23	13°40	22°15	12° 3	11°29	15°48	n.a.	T 30
W31	22 13 55	1♍27'35	9♎13	25♍13	18♎ 1	9♌56	27♓14	23♍30	13♉23	13♏41	22♍17	11♊53	11♊25	15♉55	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	19n57	15n51	4n59	19n52	1n35	4n39	0s33	23n14	1n 8	1s47	1s39	6n 3	2n24	15n43	0s17	14s26	1n44	18n52	16n49	22n51	22n40	13n20			n.a.
T 2	19 44	10 42	5 7	19 19	1 32	4 8	0 37	23 8	1 8	1 48	1 39	6 1	2 24	15 44	0 17	14 26	1 44	18 51	16 48	22 50	22 39	13 23			n.a.
W 3	19 30	4 59	4 57	18 44	1 28	3 38	0 42	23 2	1 8	1 49	1 39	5 59	2 24	15 44	0 17	14 26	1 44	18 50	16 48	22 49	22 39	13 25			n.a.
T 4	19 16	1s 2	4 30	18 9	1 24	3 7	0 48	22 56	1 9	1 50	1 39	5 56	2 23	15 44	0 17	14 26	1 43	18 49	16 48	22 49	22 38	13 28			n.a.
F 5	19 1	7 3	3 46	17 33	1 19	2 37	0 53	22 50	1 9	1 51	1 40	5 54	2 23	15 45	0 17	14 26	1 43	18 47	16 47	22 48	22 38	13 31			n.a.
S 6	18 46	12 44	2 48	16 56	1 14	2 6	0 58	22 43	1 9	1 52	1 40	5 51	2 23	15 45	0 17	14 26	1 43	18 46	16 47	22 48	22 38	13 34			n.a.
S 7	18 31	17 44	1 40	16 19	1 8	1 36	1 3	22 37	1 9	1 53	1 40	5 49	2 23	15 45	0 17	14 27	1 43	18 45	16 46	22 48	22 37	13 36			n.a.
M 8	18 16	21 45	0 25	15 40	1 3	1 5	1 8	22 30	1 9	1 55	1 41	5 46	2 23	15 46	0 17	14 27	1 43	18 44	16 46	22 49	22 37	13 39			n.a.
T 9	18 0	24 26	0s50	15 2	0 57	0 35	1 14	22 23	1 10	1 56	1 41	5 44	2 23	15 46	0 17	14 27	1 43	18 43	16 46	22 48	22 36	13 42			n.a.
W10	17 44	25 34	2 2	14 23	0 51	0 4	1 19	22 16	1 10	1 57	1 41	5 41	2 23	15 46	0 17	14 27	1 43	18 42	16 45	22 48	22 36	13 45			n.a.
T 11	17 28	25 4	3 6	13 43	0 45	0s27	1 25	22 8	1 10	1 59	1 41	5 39	2 22	15 46	0 17	14 27	1 43	18 41	16 45	22 48	22 35	13 47			n.a.
F 12	17 11	23 3	3 58	13 3	0 38	0 57	1 30	22 1	1 10	2 0	1 42	5 36	2 22	15 46	0 17	14 27	1 43	18 40	16 44	22 47	22 35	13 50			n.a.
S 13	16 54	19 45	4 36	12 23	0 32	1 27	1 36	21 53	1 10	2 2	1 42	5 34	2 22	15 47	0 17	14 28	1 43	18 38	16 44	22 46	22 35	13 53			n.a.
S 14	16 37	15 31	4 58	11 42	0 25	1 58	1 41	21 45	1 10	2 4	1 42	5 31	2 22	15 47	0 17	14 28	1 43	18 37	16 44	22 44	22 34	13 56			n.a.
M15	16 20	10 40	5 4	11 2	0 18	2 28	1 47	21 37	1 11	2 6	1 42	5 29	2 22	15 47	0 17	14 28	1 43	18 36	16 43	22 43	22 34	13 58			n.a.
T 16	16 2	5 28	4 54	10 21	0 11	2 58	1 53	21 29	1 11	2 8	1 42	5 26	2 22	15 47	0 17	14 28	1 43	18 35	16 43	22 42	22 33	14 1			n.a.
W17	15 44	0 11	4 32	9 40	0 3	3 28	1 58	21 21	1 11	2 10	1 43	5 23	2 22	15 47	0 17	14 28	1 43	18 34	16 43	22 41	22 33	14 4			n.a.
T 18	15 26	5n 2	3 57	8 59	0s 4	3 58	2 4	21 13	1 11	2 12	1 43	5 21	2 22	15 47	0 17	14 29	1 43	18 33	16 43	22 40	22 33	14 6			n.a.
F 19	15 7	10 0	3 12	8 18	0 11	4 28	2 10	21 4	1 11	2 14	1 43	5 18	2 21	15 47	0 17	14 29	1 42	18 32	16 42	22 40	22 32	14 9			n.a.
S 20	14 48	14 33	2 20	7 37	0 19	4 58	2 15	20 55	1 11	2 16	1 43	5 16	2 21	15 48	0 17	14 29	1 42	18 31	16 42	22 40	22 32	14 12			n.a.
S 21	14 29	18 34	1 21	6 56	0 26	5 28	2 21	20 46	1 12	2 18	1 44	5 13	2 21	15 48	0 17	14 29	1 42	18 29	16 42	22 40	22 31	14 15			n.a.
M22	14 10	21 52	0 19	6 15	0 34	5 57	2 27	20 37	1 12	2 20	1 44	5 10	2 21	15 48	0 17	14 30	1 42	18 28	16 41	22 40	22 31	14 17			n.a.
T 23	13 50	24 14	0n45	5 35	0 42	6 26	2 33	20 28	1 12	2 23	1 44	5 7	2 21	15 48	0 17	14 30	1 42	18 27	16 41	22 40	22 30	14 20			n.a.
W24	13 30	25 30	1 49	4 54	0 50	6 56	2 39	20 19	1 12	2 25	1 44	5 5	2 21	15 48	0 17	14 30	1 42	18 26	16 41	22 39	22 30	14 23			n.a.
T 25	13 10	25 30	2 48	4 14	0 57	7 24	2 44	20 10	1 12	2 27	1 44	5 2	2 21	15 48	0 17	14 30	1 42	18 25	16 41	22 39	22 30	14 25			n.a.
F 26	12 50	24 7	3 40	3 34	1 5	7 53	2 50	20 0	1 12	2 30	1 45	4 59	2 21	15 48	0 17	14 31	1 42	18 24	16 40	22 38	22 29	14 28			n.a.
S 27	12 30	21 21	4 22	2 55	1 13	8 22	2 56	19 50	1 13	2 33	1 45	4 57	2 21	15 48	0 17	14 31	1 42	18 23	16 40	22 37	22 29	14 31			n.a.
S 28	12 9	17 21	4 50	2 16	1 20	8 50	3 2	19 40	1 13	2 35	1 45	4 54	2 21	15 48	0 17	14 31	1 42	18 22	16 40	22 35	22 28	14 34			n.a.
M29	11 48	12 19	5 1	1 37	1 28	9 18	3 8	19 30	1 13	2 38	1 45	4 51	2 21	15 48	0 17	14 32	1 42	18 21	16 40	22 34	22 28	14 36			n.a.
T 30	11 27	6 33	4 54	0 59	1 36	9 46	3 14	19 20	1 13	2 41	1 45	4 48	2 20	15 48	0 17	14 32	1 42	18 19	16 39	22 32	22 27	14 39			n.a.
W31	11n 6	0n24	4n28	0n21	1s43	10s13	3s19	19n10	1n13	2s43	1s45	4n45	2n20	15n47	0s17	14s32	1n42	18n18	16n39	22n31	22n27	14n42			n.a.

Julian Day Number = 1541567.5, Delta T = 04h37m18s
Ecliptic obliquity = 23°45'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'25, Lahiri = -10°45'24 Julian Calendar 1 Aug. 493 BCE == Greg. Calendar 27 July 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

SEPTEMBER 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 17 52	2♍26'49	23♎36	26♍28	18♎57	10♌34	27°R 7	23♍37	13°R22	13♏42	22♍20	11°R46	11♊22	16♉ 1	n.a.	T 1
F 2	22 21 49	3°26'05	7♏57	27°42	19°53	11°12	27♓ 0	23°44	13♉22	13°43	22°22	11♊42	11°19	16° 8	n.a.	F 2
S 3	22 25 45	4°25'24	22°11	28°54	20°48	11°50	26°54	23°50	13°22	13°44	22°24	11°40	11°16	16°15	n.a.	S 3
S 4	22 29 42	5°24'44	6♐17	0♎ 4	21°43	12°29	26°47	23°57	13°21	13°45	22°27	11°40	11°13	16°21	n.a.	S 4
M 5	22 33 38	6°24'06	20°15	1°13	22°38	13° 7	26°39	24° 4	13°21	13°46	22°29	11°40	11°10	16°28	n.a.	M 5
T 6	22 37 35	7°23'30	4♑ 3	2°19	23°31	13°45	26°32	24°11	13°20	13°47	22°31	11°39	11° 6	16°35	n.a.	T 6
W 7	22 41 31	8°22'56	17°42	3°24	24°25	14°23	26°25	24°18	13°19	13°49	22°34	11°35	11° 3	16°41	n.a.	W 7
T 8	22 45 28	9°22'24	1♒12	4°25	25°17	15° 2	26°17	24°25	13°19	13°50	22°36	11°29	11° 0	16°48	n.a.	T 8
F 9	22 49 24	10°21'53	14°31	5°25	26° 9	15°40	26°10	24°32	13°18	13°51	22°38	11°20	10°57	16°55	n.a.	F 9
S 10	22 53 21	11°21'25	27°39	6°21	27° 0	16°18	26° 2	24°39	13°17	13°52	22°41	11° 8	10°54	17° 1	n.a.	S 10
S 11	22 57 18	12°20'58	10♓35	7°15	27°51	16°56	25°55	24°46	13°16	13°54	22°43	10°54	10°51	17° 8	n.a.	S 11
M12	23 1 14	13°20'34	23°17	8° 5	28°41	17°35	25°47	24°53	13°15	13°55	22°46	10°41	10°47	17°15	n.a.	M12
T 13	23 5 11	14°20'12	5♈45	8°52	29°30	18°13	25°39	25° 0	13°14	13°56	22°48	10°28	10°44	17°21	n.a.	T 13
W14	23 9 7	15°19'52	17°59	9°34	0♏18	18°51	25°31	25° 7	13°13	13°58	22°50	10°17	10°41	17°28	n.a.	W14
T 15	23 13 4	16°19'35	0♉ 1	10°12	1° 6	19°30	25°23	25°14	13°12	13°59	22°53	10° 9	10°38	17°35	n.a.	T 15
F 16	23 17 0	17°19'19	11°55	10°45	1°52	20° 8	25°15	25°21	13°11	14° 0	22°55	10° 3	10°35	17°41	n.a.	F 16
S 17	23 20 57	18°19'06	23°43	11°12	2°38	20°46	25° 7	25°28	13°10	14° 2	22°58	10° 0	10°31	17°48	n.a.	S 17
S 18	23 24 53	19°18'56	5♊30	11°34	3°23	21°24	24°59	25°36	13° 9	14° 3	23° 0	10°D 0	10°28	17°55	n.a.	S 18
M19	23 28 50	20°18'48	17°22	11°49	4° 7	22° 3	24°51	25°43	13° 8	14° 5	23° 2	10°R 0	10°25	18° 1	n.a.	M19
T 20	23 32 47	21°18'42	29°24	11°57	4°50	22°41	24°43	25°50	13° 7	14° 6	23° 5	9°59	10°22	18° 8	n.a.	T 20
W21	23 36 43	22°18'38	11♋42	11°R57	5°32	23°19	24°35	25°57	13° 5	14° 8	23° 7	9°58	10°19	18°15	n.a.	W21
T 22	23 40 40	23°18'37	24°21	11°49	6°13	23°58	24°27	26° 4	13° 4	14° 9	23°10	9°54	10°16	18°21	n.a.	T 22
F 23	23 44 36	24°18'38	7♌24	11°33	6°53	24°36	24°19	26°11	13° 2	14°11	23°12	9°48	10°12	18°28	n.a.	F 23
S 24	23 48 33	25°18'41	20°53	11° 8	7°31	25°14	24°10	26°18	13° 1	14°13	23°15	9°39	10° 9	18°35	n.a.	S 24
S 25	23 52 29	26°18'47	4♍50	10°33	8° 9	25°53	24° 2	26°25	13° 0	14°14	23°17	9°29	10° 6	18°41	n.a.	S 25
M26	23 56 26	27°18'54	19°10	9°49	8°45	26°31	23°54	26°33	12°58	14°16	23°19	9°17	10° 3	18°48	n.a.	M26
T 27	0 0 22	28°19'03	3♎48	8°56	9°20	27° 9	23°46	26°40	12°56	14°18	23°22	9° 6	10° 0	18°55	n.a.	T 27
W28	0 4 19	29°19'15	18°36	7°56	9°54	27°48	23°38	26°47	12°55	14°19	23°24	8°57	9°56	19° 1	n.a.	W28
T 29	0 8 15	0♎19'28	3♏25	6°48	10°26	28°26	23°30	26°54	12°53	14°21	23°27	8°50	9°53	19° 8	n.a.	T 29
F 30	0 12 12	1♎19'43	18♏ 9	5♎34	10♏56	29♌ 5	23♓22	27♍ 1	12♉51	14♏23	23♍29	8♊46	9♊50	19♉15	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n44	5s48	3n45	0s16	1s50	10s40	3s25	19n 0	1n13	2s46	1s46	4n43	2n20	15n47	0s17	14s33	1n42	18n17	16n39	22n30	22n26	14n44		n.a.
F 2	10 23	11 42	2 48	0 52	1 58	11 7	3 31	18 49	1 13	2 49	1 46	4 40	2 20	15 47	0 17	14 33	1 42	18 16	16 39	22 29	22 26	14 47		n.a.
S 3	10 1	16 56	1 41	1 28	2 5	11 34	3 37	18 38	1 13	2 52	1 46	4 37	2 20	15 47	0 17	14 33	1 42	18 15	16 39	22 29	22 26	14 50		n.a.
S 4	9 39	21 11	0 28	2 2	2 12	12 0	3 43	18 28	1 14	2 55	1 46	4 34	2 20	15 47	0 17	14 34	1 42	18 14	16 38	22 29	22 25	14 52		n.a.
M 5	9 17	24 9	0s45	2 36	2 19	12 26	3 48	18 17	1 14	2 58	1 46	4 31	2 20	15 47	0 17	14 34	1 41	18 13	16 38	22 29	22 25	14 55		n.a.
T 6	8 55	25 37	1 55	3 9	2 25	12 52	3 54	18 6	1 14	3 1	1 46	4 29	2 20	15 47	0 17	14 35	1 41	18 12	16 38	22 29	22 24	14 58		n.a.
W 7	8 32	25 30	2 58	3 41	2 32	13 17	4 0	17 55	1 14	3 4	1 46	4 26	2 20	15 46	0 17	14 35	1 41	18 11	16 38	22 28	22 24	15 0		n.a.
T 8	8 10	23 53	3 50	4 11	2 38	13 42	4 5	17 43	1 14	3 7	1 46	4 23	2 20	15 46	0 17	14 35	1 41	18 10	16 38	22 27	22 23	15 3		n.a.
F 9	7 47	20 58	4 28	4 41	2 44	14 7	4 11	17 32	1 14	3 10	1 46	4 20	2 20	15 46	0 17	14 36	1 41	18 9	16 38	22 26	22 23	15 6		n.a.
S 10	7 24	17 0	4 52	5 8	2 49	14 31	4 16	17 20	1 14	3 13	1 47	4 17	2 20	15 46	0 17	14 36	1 41	18 7	16 38	22 24	22 22	15 8		n.a.
S 11	7 1	12 18	5 0	5 35	2 54	14 54	4 22	17 9	1 14	3 16	1 47	4 14	2 20	15 45	0 17	14 37	1 41	18 6	16 38	22 23	22 22	15 11		n.a.
M12	6 38	7 10	4 53	5 59	2 59	15 18	4 27	16 57	1 15	3 20	1 47	4 12	2 20	15 45	0 17	14 37	1 41	18 5	16 37	22 21	22 22	15 14		n.a.
T 13	6 15	1 50	4 32	6 21	3 3	15 40	4 32	16 45	1 15	3 23	1 47	4 9	2 20	15 45	0 17	14 38	1 41	18 4	16 37	22 19	22 21	15 16		n.a.
W14	5 51	3n29	3 58	6 42	3 7	16 3	4 38	16 33	1 15	3 26	1 47	4 6	2 20	15 45	0 17	14 38	1 41	18 3	16 37	22 17	22 21	15 19		n.a.
T 15	5 28	8 36	3 15	6 59	3 10	16 25	4 43	16 21	1 15	3 29	1 47	4 3	2 20	15 44	0 17	14 38	1 41	18 2	16 37	22 16	22 20	15 22		n.a.
F 16	5 4	13 21	2 23	7 15	3 12	16 46	4 48	16 9	1 15	3 32	1 47	4 0	2 20	15 44	0 17	14 39	1 41	18 1	16 37	22 15	22 20	15 24		n.a.
S 17	4 41	17 34	1 25	7 27	3 14	17 7	4 53	15 57	1 15	3 36	1 47	3 57	2 20	15 44	0 17	14 39	1 41	18 0	16 37	22 15	22 19	15 27		n.a.
S 18	4 17	21 7	0 24	7 36	3 14	17 27	4 58	15 44	1 15	3 39	1 47	3 54	2 20	15 43	0 17	14 40	1 41	17 59	16 37	22 15	22 19	15 30		n.a.
M19	3 53	23 48	0n39	7 42	3 14	17 47	5 2	15 32	1 15	3 42	1 47	3 51	2 20	15 43	0 17	14 40	1 41	17 58	16 37	22 15	22 18	15 32		n.a.
T 20	3 29	25 26	1 41	7 43	3 12	18 6	5 7	15 19	1 15	3 45	1 47	3 49	2 20	15 42	0 17	14 41	1 41	17 57	16 37	22 15	22 18	15 35		n.a.
W21	3 5	25 53	2 40	7 41	3 9	18 25	5 11	15 6	1 15	3 49	1 47	3 46	2 20	15 42	0 17	14 41	1 41	17 56	16 37	22 14	22 17	15 38		n.a.
T 22	2 41	25 1	3 32	7 34	3 5	18 43	5 16	14 54	1 15	3 52	1 47	3 43	2 20	15 42	0 17	14 42	1 41	17 55	16 37	22 14	22 17	15 40		n.a.
F 23	2 17	22 47	4 15	7 22	2 59	19 1	5 20	14 41	1 16	3 55	1 47	3 40	2 20	15 41	0 17	14 42	1 40	17 54	16 37	22 13	22 16	15 43		n.a.
S 24	1 53	19 14	4 46	7 5	2 52	19 18	5 24	14 28	1 16	3 58	1 47	3 37	2 20	15 41	0 17	14 43	1 40	17 53	16 37	22 12	22 16	15 46		n.a.
S 25	1 29	14 31	5 1	6 43	2 43	19 34	5 28	14 15	1 16	4 2	1 47	3 34	2 20	15 40	0 17	14 44	1 40	17 52	16 37	22 10	22 16	15 48		n.a.
M26	1 5	8 53	4 57	6 16	2 32	19 49	5 32	14 2	1 16	4 5	1 47	3 31	2 20	15 40	0 17	14 44	1 40	17 51	16 37	22 8	22 15	15 51		n.a.
T 27	0 41	2 40	4 35	5 43	2 19	20 4	5 35	13 48	1 16	4 8	1 47	3 29	2 20	15 39	0 17	14 45	1 40	17 50	16 37	22 6	22 15	15 53		n.a.
W28	0 16	3s47	3 53	5 5	2 4	20 19	5 39	13 35	1 16	4 11	1 47	3 26	2 20	15 39	0 17	14 45	1 40	17 49	16 37	22 5	22 14	15 56		n.a.
T 29	0s 8	10 4	2 56	4 23	1 48	20 32	5 42	13 22	1 16	4 14	1 46	3 23	2 20	15 38	0 17	14 46	1 40	17 49	16 37	22 4	22 14	15 59		n.a.
F 30	0s32	15s45	1n47	3s37	1s30	20s45	5s45	13n 8	1n16	4s18	1s46	3n20	2n20	15n38	0s17	14s46	1n40	17n48	16n37	22n 3	22n13	16n 1		n.a.

Julian Day Number = 1541598.5, Delta T = 04h37m17s
Ecliptic obliquity = 23°45'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'20, Lahiri = -10°45'20 Julian Calendar 1 Sept. 493 BCE == Greg. Calendar 27 Aug. 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

OCTOBER 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 16 9	2♎20'00	2♐41	4°R17	11♏26	29♌43	23°R14	27♍ 8	12°R50	14♏25	23♍32	8°D44	9♊47	19♉21	n.a.	S 1
S 2	0 20 5	3°20'18	16°57	2♎59	11°53	0♍21	23♓ 6	27°15	12♉48	14°26	23°34	8♊44	9°44	19°28	n.a.	S 2
M 3	0 24 2	4°20'38	0♑56	1°41	12°19	1° 0	22°58	27°22	12°46	14°28	23°36	8°R45	9°41	19°34	n.a.	M 3
T 4	0 27 58	5°20'59	14°39	0°27	12°43	1°38	22°50	27°30	12°44	14°30	23°39	8°44	9°37	19°41	n.a.	T 4
W 5	0 31 55	6°21'22	28° 5	29♍19	13° 6	2°16	22°43	27°37	12°42	14°32	23°41	8°42	9°34	19°48	n.a.	W 5
T 6	0 35 51	7°21'47	11♒18	28°20	13°27	2°55	22°35	27°44	12°41	14°34	23°43	8°37	9°31	19°54	n.a.	T 6
F 7	0 39 48	8°22'12	24°17	27°29	13°45	3°33	22°27	27°51	12°39	14°36	23°46	8°30	9°28	20° 1	n.a.	F 7
S 8	0 43 44	9°22'40	7♓ 4	26°50	14° 2	4°12	22°20	27°58	12°37	14°38	23°48	8°21	9°25	20° 8	n.a.	S 8
S 9	0 47 41	10°23'09	19°40	26°22	14°17	4°50	22°13	28° 5	12°35	14°40	23°51	8°10	9°22	20°14	n.a.	S 9
M10	0 51 38	11°23'39	2♈ 5	26° 6	14°29	5°28	22° 5	28°12	12°33	14°42	23°53	7°59	9°18	20°21	n.a.	M10
T 11	0 55 34	12°24'12	14°19	26°D 1	14°40	6° 7	21°58	28°19	12°30	14°43	23°55	7°48	9°15	20°28	n.a.	T 11
W12	0 59 31	13°24'45	26°24	26° 7	14°48	6°45	21°51	28°26	12°28	14°45	23°58	7°39	9°12	20°34	n.a.	W12
T 13	1 3 27	14°25'21	8♉21	26°24	14°54	7°24	21°44	28°33	12°26	14°47	24° 0	7°33	9° 9	20°41	n.a.	T 13
F 14	1 7 24	15°25'58	20°11	26°51	14°57	8° 2	21°37	28°40	12°24	14°49	24° 2	7°28	9° 6	20°48	n.a.	F 14
S 15	1 11 20	16°26'37	1♊57	27°27	14°R58	8°40	21°31	28°47	12°22	14°52	24° 4	7°D27	9° 2	20°54	n.a.	S 15
S 16	1 15 17	17°27'18	13°44	28°10	14°57	9°19	21°24	28°54	12°20	14°54	24° 7	7°27	8°59	21° 1	n.a.	S 16
M17	1 19 13	18°28'01	25°35	29° 0	14°54	9°57	21°18	29° 0	12°17	14°56	24° 9	7°28	8°56	21° 8	n.a.	M17
T 18	1 23 10	19°28'45	7♋35	29°57	14°48	10°36	21°11	29° 7	12°15	14°58	24°11	7°29	8°53	21°14	n.a.	T 18
W19	1 27 7	20°29'31	19°50	0♎59	14°39	11°14	21° 5	29°14	12°13	15° 0	24°13	7°R30	8°50	21°21	n.a.	W19
T 20	1 31 3	21°30'19	2♌24	2° 5	14°28	11°53	20°59	29°21	12°10	15° 2	24°16	7°29	8°47	21°28	n.a.	T 20
F 21	1 35 0	22°31'09	15°23	3°16	14°15	12°31	20°53	29°28	12° 8	15° 4	24°18	7°27	8°43	21°34	n.a.	F 21
S 22	1 38 56	23°32'00	28°49	4°30	13°59	13°10	20°48	29°34	12° 6	15° 6	24°20	7°22	8°40	21°41	n.a.	S 22
S 23	1 42 53	24°32'53	12♍44	5°47	13°41	13°48	20°42	29°41	12° 3	15° 8	24°22	7°16	8°37	21°48	n.a.	S 23
M24	1 46 49	25°33'47	27° 7	7° 7	13°20	14°27	20°37	29°48	12° 1	15°10	24°24	7° 9	8°34	21°54	n.a.	M24
T 25	1 50 46	26°34'42	11♎53	8°28	12°58	15° 5	20°31	29°54	11°59	15°13	24°27	7° 3	8°31	22° 1	n.a.	T 25
W26	1 54 42	27°35'39	26°56	9°52	12°33	15°43	20°26	0♎ 1	11°56	15°15	24°29	6°57	8°27	22° 7	n.a.	W26
T 27	1 58 39	28°36'37	12♏ 5	11°17	12° 6	16°22	20°22	0° 8	11°54	15°17	24°31	6°53	8°24	22°14	n.a.	T 27
F 28	2 2 36	29°37'37	27°11	12°43	11°38	17° 0	20°17	0°14	11°51	15°19	24°33	6°51	8°21	22°21	n.a.	F 28
S 29	2 6 32	0♏38'37	12♐ 5	14°11	11° 7	17°39	20°12	0°21	11°49	15°21	24°35	6°D51	8°18	22°27	n.a.	S 29
S 30	2 10 29	1°39'39	26°41	15°39	10°36	18°17	20° 8	0°27	11°46	15°24	24°37	6°52	8°15	22°34	n.a.	S 30
M31	2 14 25	2♏40'41	10♑54	17♎ 9	10♏ 2	18♍56	20♓ 4	0♎34	11♉44	15♏26	24♍39	6♊53	8♊12	22♉41	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s56	20s27	0n32	2s48	1s10	20s57	5s47	12n54	1n16	4s21	1s46	3n17	2n20	15n37	0s17	14s47	1n40	17n47	16n37	22n 3	22n13	16n 4		n.a.
S 2	1 21	23 50	0s44	1 58	0 50	21 8	5 50	12 41	1 16	4 24	1 46	3 14	2 20	15 37	0 17	14 47	1 40	17 46	16 37	22 3	22 12	16 7		n.a.
M 3	1 45	25 41	1 56	1 8	0 30	21 18	5 52	12 27	1 16	4 27	1 46	3 11	2 20	15 36	0 17	14 48	1 40	17 45	16 37	22 3	22 12	16 9		n.a.
T 4	2 9	25 54	2 59	0 19	0 9	21 28	5 54	12 13	1 16	4 30	1 46	3 9	2 20	15 36	0 17	14 49	1 40	17 44	16 38	22 3	22 11	16 12		n.a.
W 5	2 33	24 36	3 52	0n27	0n11	21 36	5 56	11 59	1 16	4 33	1 46	3 6	2 20	15 35	0 17	14 49	1 40	17 43	16 38	22 3	22 11	16 14		n.a.
T 6	2 58	21 57	4 31	1 8	0 31	21 44	5 57	11 45	1 16	4 36	1 46	3 3	2 20	15 34	0 17	14 50	1 40	17 42	16 38	22 2	22 10	16 17		n.a.
F 7	3 22	18 14	4 55	1 45	0 49	21 51	5 58	11 31	1 16	4 39	1 45	3 0	2 20	15 34	0 17	14 50	1 40	17 42	16 38	22 1	22 10	16 20		n.a.
S 8	3 46	13 43	5 4	2 17	1 5	21 57	5 58	11 17	1 16	4 41	1 45	2 57	2 20	15 33	0 17	14 51	1 40	17 41	16 38	21 59	22 9	16 22		n.a.
S 9	4 10	8 42	4 58	2 42	1 21	22 1	5 59	11 3	1 16	4 44	1 45	2 55	2 20	15 33	0 17	14 52	1 40	17 40	16 38	21 58	22 9	16 25		n.a.
M10	4 34	3 24	4 38	3 0	1 34	22 5	5 58	10 49	1 16	4 47	1 45	2 52	2 20	15 32	0 17	14 52	1 40	17 39	16 38	21 56	22 8	16 27		n.a.
T 11	4 58	1n57	4 6	3 13	1 45	22 8	5 58	10 34	1 17	4 50	1 45	2 49	2 20	15 31	0 17	14 53	1 40	17 38	16 39	21 54	22 8	16 30		n.a.
W12	5 22	7 11	3 22	3 19	1 55	22 9	5 57	10 20	1 17	4 52	1 45	2 46	2 20	15 31	0 17	14 53	1 40	17 38	16 39	21 53	22 7	16 33		n.a.
T 13	5 46	12 6	2 30	3 19	2 3	22 10	5 55	10 5	1 17	4 55	1 44	2 44	2 20	15 30	0 17	14 54	1 40	17 37	16 39	21 51	22 7	16 35		n.a.
F 14	6 9	16 33	1 32	3 14	2 9	22 9	5 53	9 51	1 17	4 57	1 44	2 41	2 20	15 29	0 17	14 55	1 40	17 36	16 39	21 51	22 6	16 38		n.a.
S 15	6 33	20 21	0 30	3 4	2 14	22 7	5 51	9 36	1 17	5 0	1 44	2 38	2 21	15 29	0 17	14 55	1 40	17 35	16 39	21 50	22 6	16 40		n.a.
S 16	6 56	23 19	0n34	2 50	2 17	22 4	5 48	9 22	1 17	5 2	1 44	2 35	2 21	15 28	0 17	14 56	1 40	17 35	16 39	21 50	22 5	16 43		n.a.
M17	7 20	25 17	1 37	2 32	2 19	21 59	5 44	9 7	1 17	5 5	1 44	2 33	2 21	15 27	0 17	14 57	1 40	17 34	16 40	21 51	22 5	16 45		n.a.
T 18	7 43	26 8	2 36	2 10	2 20	21 53	5 40	8 52	1 17	5 7	1 43	2 30	2 21	15 27	0 17	14 57	1 39	17 33	16 40	21 51	22 4	16 48		n.a.
W19	8 6	25 43	3 29	1 45	2 20	21 46	5 35	8 37	1 17	5 9	1 43	2 27	2 21	15 26	0 17	14 58	1 39	17 32	16 40	21 51	22 4	16 51		n.a.
T 20	8 30	24 0	4 14	1 17	2 19	21 37	5 30	8 23	1 17	5 11	1 43	2 25	2 21	15 25	0 17	14 59	1 39	17 32	16 40	21 51	22 3	16 53		n.a.
F 21	8 53	21 0	4 47	0 47	2 17	21 28	5 24	8 8	1 17	5 14	1 43	2 22	2 21	15 24	0 17	14 59	1 39	17 31	16 41	21 50	22 3	16 56		n.a.
S 22	9 15	16 49	5 6	0 15	2 15	21 16	5 17	7 53	1 17	5 16	1 42	2 19	2 21	15 24	0 17	15 0	1 39	17 30	16 41	21 50	22 2	16 58		n.a.
S 23	9 38	11 36	5 8	0s19	2 12	21 4	5 9	7 38	1 17	5 18	1 42	2 17	2 21	15 23	0 17	15 1	1 39	17 30	16 41	21 49	22 2	17 1		n.a.
M24	10 1	5 36	4 51	0 54	2 8	20 50	5 1	7 23	1 17	5 20	1 42	2 14	2 21	15 22	0 17	15 1	1 39	17 29	16 41	21 48	22 1	17 3		n.a.
T 25	10 23	0s52	4 15	1 31	2 4	20 34	4 53	7 8	1 17	5 21	1 42	2 12	2 21	15 22	0 17	15 2	1 39	17 29	16 42	21 46	22 1	17 6		n.a.
W26	10 45	7 24	3 20	2 8	1 59	20 18	4 43	6 52	1 17	5 23	1 41	2 9	2 22	15 21	0 17	15 3	1 39	17 28	16 42	21 45	22 0	17 8		n.a.
T 27	11 7	13 35	2 11	2 47	1 54	20 0	4 33	6 37	1 17	5 25	1 41	2 7	2 22	15 20	0 17	15 3	1 39	17 27	16 42	21 45	22 0	17 11		n.a.
F 28	11 29	18 56	0 52	3 26	1 48	19 40	4 23	6 22	1 16	5 26	1 41	2 4	2 22	15 19	0 17	15 4	1 39	17 27	16 43	21 44	21 59	17 13		n.a.
S 29	11 51	23 1	0s29	4 5	1 43	19 20	4 11	6 7	1 16	5 28	1 41	2 2	2 22	15 18	0 17	15 5	1 39	17 26	16 43	21 44	21 59	17 16		n.a.
S 30	12 12	25 29	1 46	4 45	1 37	18 58	3 59	5 52	1 16	5 29	1 40	1 59	2 22	15 18	0 17	15 5	1 39	17 26	16 43	21 45	21 58	17 19		n.a.
M31	12s34	26s13	2s55	5s26	1n31	18s36	3s47	5n36	1n16	5s31	1s40	1n57	2n22	15n17	0s17	15s 6	1n39	17n25	16n44	21n45	21n58	17n21		n.a.

Julian Day Number = 1541628.5, Delta T = 04h37m15s
Ecliptic obliquity = 23°45'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'16, Lahiri = -10°45'16 Julian Calendar 1 Oct. 493 BCE == Greg. Calendar 26 Sept. 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

NOVEMBER 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 18 22	3♏41'44	24♉44	18♎38	9°R28	19♍34	20°R 0	0♎40	11°R41	15♏28	24♍41	6♊54	8♊ 8	22♉47	n.a.	T 1
W 2	2 22 18	4°42'47	8♒12	20° 9	8♏53	20°13	19♓56	0°46	11♉39	15°30	24°43	6°R55	8° 5	22°54	n.a.	W 2
T 3	2 26 15	5°43'52	21°18	21°39	8°17	20°51	19°53	0°53	11°36	15°33	24°45	6°54	8° 2	23° 1	n.a.	T 3
F 4	2 30 11	6°44'56	4♓ 7	23°11	7°41	21°30	19°49	0°59	11°34	15°35	24°47	6°51	7°59	23° 7	n.a.	F 4
S 5	2 34 8	7°46'02	16°40	24°42	7° 4	22° 8	19°46	1° 5	11°31	15°37	24°49	6°47	7°56	23°14	n.a.	S 5
S 6	2 38 5	8°47'08	29° 1	26°14	6°28	22°47	19°43	1°11	11°29	15°39	24°51	6°42	7°53	23°21	n.a.	S 6
M 7	2 42 1	9°48'15	11♈11	27°46	5°52	23°25	19°40	1°17	11°26	15°42	24°53	6°37	7°49	23°27	n.a.	M 7
T 8	2 45 58	10°49'22	23°13	29°18	5°16	24° 4	19°38	1°23	11°23	15°44	24°54	6°33	7°46	23°34	n.a.	T 8
W 9	2 49 54	11°50'30	5♉ 8	0♏50	4°42	24°42	19°35	1°29	11°21	15°46	24°56	6°29	7°43	23°41	n.a.	W 9
T 10	2 53 51	12°51'39	16°59	2°23	4° 8	25°21	19°33	1°35	11°18	15°48	24°58	6°26	7°40	23°47	n.a.	T 10
F 11	2 57 47	13°52'49	28°47	3°55	3°36	25°59	19°31	1°41	11°16	15°51	25° 0	6°25	7°37	23°54	n.a.	F 11
S 12	3 1 44	14°53'59	10♊35	5°28	3° 5	26°38	19°30	1°47	11°13	15°53	25° 2	6°D24	7°33	24° 1	n.a.	S 12
S 13	3 5 40	15°55'10	22°24	7° 1	2°36	27°16	19°28	1°53	11°11	15°55	25° 3	6°25	7°30	24° 7	n.a.	S 13
M14	3 9 37	16°56'22	4♋18	8°34	2° 9	27°55	19°27	1°59	11° 8	15°57	25° 5	6°27	7°27	24°14	n.a.	M14
T 15	3 13 34	17°57'34	16°21	10° 7	1°44	28°33	19°26	2° 4	11° 6	16° 0	25° 7	6°28	7°24	24°20	n.a.	T 15
W16	3 17 30	18°58'48	28°36	11°41	1°21	29°12	19°25	2°10	11° 3	16° 2	25° 8	6°30	7°21	24°27	n.a.	W16
T 17	3 21 27	20° 0'02	11♌ 8	13°14	1° 1	29°50	19°24	2°16	11° 1	16° 4	25°10	6°31	7°18	24°34	n.a.	T 17
F 18	3 25 23	21° 1'16	24° 1	14°48	0°43	0♎29	19°23	2°21	10°58	16° 6	25°12	6°R31	7°14	24°40	n.a.	F 18
S 19	3 29 20	22° 2'31	7♍18	16°22	0°27	1° 7	19°23	2°26	10°56	16° 9	25°13	6°30	7°11	24°47	n.a.	S 19
S 20	3 33 16	23° 3'47	21° 2	17°56	0°13	1°46	19°D23	2°32	10°53	16°11	25°15	6°29	7° 8	24°54	n.a.	S 20
M21	3 37 13	24° 5'03	5♎13	19°30	0° 2	2°24	19°23	2°37	10°51	16°13	25°16	6°28	7° 5	25° 0	n.a.	M21
T 22	3 41 9	25° 6'20	19°50	21° 5	29♎54	3° 3	19°24	2°42	10°48	16°15	25°18	6°26	7° 2	25° 7	n.a.	T 22
W23	3 45 6	26° 7'38	4♏48	22°39	29°48	3°41	19°24	2°48	10°46	16°18	25°19	6°25	6°59	25°14	n.a.	W23
T 24	3 49 3	27° 8'55	19°59	24°14	29°45	4°20	19°25	2°53	10°43	16°20	25°21	6°24	6°55	25°20	n.a.	T 24
F 25	3 52 59	28°10'13	5♐14	25°49	29°D44	4°58	19°26	2°58	10°41	16°22	25°22	6°D24	6°52	25°27	n.a.	F 25
S 26	3 56 56	29°11'31	20°22	27°25	29°45	5°37	19°27	3° 3	10°39	16°24	25°23	6°24	6°49	25°34	n.a.	S 26
S 27	4 0 52	0♐12'49	5♉15	29° 1	29°49	6°15	19°28	3° 8	10°36	16°27	25°25	6°24	6°46	25°40	n.a.	S 27
M28	4 4 49	1°14'07	19°46	0♐37	29°55	6°54	19°30	3°13	10°34	16°29	25°26	6°25	6°43	25°47	n.a.	M28
T 29	4 8 45	2°15'24	3♒51	2°13	0♏ 4	7°32	19°32	3°17	10°31	16°31	25°27	6°25	6°39	25°54	n.a.	T 29
W30	4 12 42	3♐16'41	17♒29	3♐50	0♏15	8♎11	19♓34	3♎22	10♉29	16♏33	25♍28	6♊26	6♊36	26♉ 0	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s55	25s16	3s52	6s 6	1n24	18s12	3s34	5n21	1n16	5s32	1s40	1n54	2n22	15n16	0s17	15s 7	1n39	17n25	16n44	21n45	21n57	17n24		n.a.
W 2	13 16	22 52	4 35	6 46	1 18	17 48	3 20	5 6	1 16	5 33	1 39	1 52	2 22	15 15	0 17	15 7	1 39	17 24	16 44	21 45	21 57	17 26		n.a.
T 3	13 36	19 20	5 2	7 27	1 11	17 23	3 6	4 50	1 16	5 34	1 39	1 49	2 23	15 15	0 17	15 8	1 39	17 24	16 45	21 45	21 56	17 29		n.a.
F 4	13 57	14 58	5 13	8 7	1 5	16 57	2 51	4 35	1 16	5 36	1 39	1 47	2 23	15 14	0 17	15 9	1 39	17 23	16 45	21 44	21 56	17 31		n.a.
S 5	14 17	10 3	5 8	8 48	0 58	16 31	2 37	4 19	1 16	5 37	1 38	1 45	2 23	15 13	0 17	15 9	1 39	17 23	16 45	21 44	21 55	17 34		n.a.
S 6	14 37	4 49	4 50	9 28	0 51	16 4	2 21	4 4	1 16	5 37	1 38	1 42	2 23	15 12	0 17	15 10	1 39	17 22	16 46	21 43	21 55	17 36		n.a.
M 7	14 57	0n32	4 18	10 8	0 44	15 38	2 6	3 48	1 16	5 38	1 38	1 40	2 23	15 11	0 17	15 11	1 39	17 22	16 46	21 42	21 54	17 39		n.a.
T 8	15 16	5 48	3 36	10 47	0 37	15 11	1 50	3 33	1 16	5 39	1 38	1 38	2 23	15 11	0 17	15 11	1 39	17 22	16 46	21 41	21 54	17 41		n.a.
W 9	15 35	10 50	2 44	11 27	0 30	14 44	1 35	3 17	1 16	5 40	1 37	1 35	2 23	15 10	0 17	15 12	1 39	17 21	16 47	21 41	21 53	17 44		n.a.
T 10	15 54	15 27	1 45	12 6	0 23	14 18	1 19	3 2	1 16	5 40	1 37	1 33	2 24	15 9	0 17	15 13	1 39	17 21	16 47	21 40	21 53	17 46		n.a.
F 11	16 13	19 28	0 42	12 44	0 17	13 53	1 4	2 46	1 16	5 41	1 37	1 31	2 24	15 8	0 17	15 13	1 39	17 21	16 48	21 40	21 52	17 49		n.a.
S 12	16 31	22 42	0n23	13 22	0 10	13 27	0 48	2 31	1 16	5 41	1 36	1 29	2 24	15 8	0 17	15 14	1 39	17 20	16 48	21 40	21 52	17 51		n.a.
S 13	16 49	24 59	1 27	13 59	0 3	13 3	0 33	2 15	1 15	5 41	1 36	1 26	2 24	15 7	0 17	15 15	1 39	17 20	16 49	21 40	21 51	17 54		n.a.
M14	17 7	26 9	2 28	14 36	0s 4	12 39	0 17	1 59	1 15	5 42	1 36	1 24	2 24	15 6	0 17	15 15	1 39	17 20	16 49	21 40	21 51	17 56		n.a.
T 15	17 24	26 6	3 23	15 13	0 10	12 16	0 3	1 44	1 15	5 42	1 35	1 22	2 24	15 5	0 17	15 16	1 39	17 19	16 49	21 41	21 50	17 59		n.a.
W16	17 42	24 48	4 10	15 48	0 17	11 55	0n12	1 28	1 15	5 42	1 35	1 20	2 25	15 4	0 17	15 17	1 39	17 19	16 50	21 41	21 49	18 1		n.a.
T 17	17 58	22 15	4 47	16 24	0 24	11 34	0 26	1 13	1 15	5 42	1 35	1 18	2 25	15 4	0 17	15 17	1 39	17 19	16 50	21 41	21 49	18 4		n.a.
F 18	18 15	18 33	5 10	16 58	0 30	11 15	0 40	0 57	1 15	5 42	1 34	1 16	2 25	15 3	0 17	15 18	1 39	17 19	16 51	21 41	21 48	18 6		n.a.
S 19	18 31	13 50	5 17	17 32	0 36	10 57	0 54	0 41	1 15	5 41	1 34	1 14	2 25	15 2	0 17	15 18	1 39	17 18	16 51	21 41	21 48	18 8		n.a.
S 20	18 47	8 17	5 7	18 5	0 42	10 40	1 7	0 26	1 15	5 41	1 34	1 12	2 25	15 1	0 17	15 19	1 39	17 18	16 52	21 41	21 47	18 11		n.a.
M21	19 2	2 9	4 38	18 37	0 48	10 24	1 19	0 10	1 15	5 41	1 33	1 10	2 25	15 1	0 17	15 20	1 39	17 18	16 52	21 40	21 47	18 13		n.a.
T 22	19 18	4s18	3 51	19 8	0 54	10 10	1 31	0s 6	1 14	5 40	1 33	1 8	2 26	15 0	0 17	15 20	1 39	17 18	16 53	21 40	21 46	18 16		n.a.
W23	19 32	10 41	2 47	19 39	1 0	9 57	1 43	0 21	1 14	5 40	1 33	1 6	2 26	14 59	0 17	15 21	1 39	17 18	16 53	21 40	21 46	18 18		n.a.
T 24	19 47	16 32	1 30	20 8	1 6	9 45	1 54	0 37	1 14	5 39	1 32	1 4	2 26	14 58	0 17	15 22	1 39	17 18	16 54	21 40	21 45	18 21		n.a.
F 25	20 1	21 21	0 6	20 37	1 11	9 35	2 5	0 52	1 14	5 39	1 32	1 2	2 26	14 57	0 17	15 22	1 39	17 18	16 54	21 40	21 45	18 23		n.a.
S 26	20 15	24 41	1s17	21 5	1 16	9 26	2 15	1 8	1 14	5 38	1 32	1 0	2 26	14 57	0 17	15 23	1 39	17 17	16 55	21 40	21 44	18 26		n.a.
S 27	20 28	26 13	2 34	21 32	1 21	9 18	2 25	1 24	1 14	5 37	1 31	0 59	2 27	14 56	0 17	15 24	1 39	17 17	16 55	21 40	21 44	18 28		n.a.
M28	20 41	25 53	3 39	21 57	1 26	9 12	2 34	1 39	1 13	5 36	1 31	0 57	2 27	14 55	0 17	15 24	1 39	17 17	16 56	21 40	21 43	18 30		n.a.
T 29	20 53	23 53	4 28	22 22	1 31	9 6	2 43	1 55	1 13	5 35	1 31	0 55	2 27	14 55	0 17	15 25	1 39	17 17	16 56	21 40	21 42	18 33		n.a.
W30	21s 5	20s34	5s 1	22s45	1s35	9s 3	2n51	2s10	1n13	5s34	1s30	0n53	2n27	14n54	0s17	15s26	1n39	17n17	16n57	21n40	21n42	18n35		n.a.

Julian Day Number = 1541659.5, Delta T = 04h37m14s
Ecliptic obliquity = 23°45'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'12, Lahiri = -10°45'12 Julian Calendar 1 Nov. 493 BCE == Greg. Calendar 27 Oct. 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 493 BCE
geocentric

DECEMBER 493 BCE (-492) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 16 39	4♐17'58	0♓41	5♐27	0♏28	8♎49	19♓36	3♎27	10°R27	16♏35	25♍30	6°R26	6♊33	26♉ 7	n.a.	T 1
F 2	4 20 35	5°19'14	13°30	7° 4	0°43	9°28	19°38	3°31	10♉25	16°38	25°31	6♊26	6°30	26°14	n.a.	F 2
S 3	4 24 32	6°20'30	25°58	8°42	1° 0	10° 6	19°41	3°36	10°22	16°40	25°32	6°D26	6°27	26°20	n.a.	S 3
S 4	4 28 28	7°21'45	8♈12	10°20	1°19	10°45	19°44	3°40	10°20	16°42	25°33	6°26	6°24	26°27	n.a.	S 4
M 5	4 32 25	8°22'59	20°13	11°58	1°40	11°23	19°47	3°44	10°18	16°44	25°34	6°26	6°20	26°33	n.a.	M 5
T 6	4 36 21	9°24'13	2♉ 7	13°37	2° 3	12° 1	19°50	3°49	10°16	16°46	25°35	6°26	6°17	26°40	n.a.	T 6
W 7	4 40 18	10°25'27	13°56	15°17	2°28	12°40	19°53	3°53	10°14	16°48	25°36	6°27	6°14	26°47	n.a.	W 7
T 8	4 44 14	11°26'40	25°44	16°56	2°55	13°18	19°57	3°57	10°12	16°50	25°37	6°27	6°11	26°53	n.a.	T 8
F 9	4 48 11	12°27'53	7♊32	18°36	3°23	13°57	20° 1	4° 1	10°10	16°53	25°38	6°R27	6° 8	27° 0	n.a.	F 9
S 10	4 52 8	13°29'05	19°23	20°17	3°53	14°35	20° 5	4° 5	10° 8	16°55	25°39	6°27	6° 5	27° 7	n.a.	S 10
S 11	4 56 4	14°30'17	1♋20	21°57	4°24	15°14	20° 9	4° 8	10° 6	16°57	25°40	6°26	6° 1	27°13	n.a.	S 11
M12	5 0 1	15°31'28	13°23	23°38	4°57	15°52	20°13	4°12	10° 4	16°59	25°41	6°25	5°58	27°20	n.a.	M12
T 13	5 3 57	16°32'39	25°36	25°19	5°32	16°30	20°18	4°16	10° 2	17° 1	25°41	6°24	5°55	27°27	n.a.	T 13
W14	5 7 54	17°33'49	8♌ 0	27° 1	6° 8	17° 9	20°22	4°19	10° 0	17° 3	25°42	6°22	5°52	27°33	n.a.	W14
T 15	5 11 50	18°34'59	20°38	28°42	6°45	17°47	20°27	4°23	9°58	17° 5	25°43	6°21	5°49	27°40	n.a.	T 15
F 16	5 15 47	19°36'08	3♍32	0♌23	7°23	18°26	20°32	4°26	9°56	17° 7	25°44	6°20	5°45	27°47	n.a.	F 16
S 17	5 19 44	20°37'17	16°44	2° 5	8° 3	19° 4	20°38	4°30	9°54	17° 9	25°44	6°D19	5°42	27°53	n.a.	S 17
S 18	5 23 40	21°38'25	0♎18	3°46	8°44	19°42	20°43	4°33	9°53	17°11	25°45	6°19	5°39	28° 0	n.a.	S 18
M19	5 27 37	22°39'33	14°14	5°27	9°26	20°21	20°49	4°36	9°51	17°13	25°45	6°20	5°36	28° 7	n.a.	M19
T 20	5 31 33	23°40'40	28°32	7° 7	10°10	20°59	20°54	4°39	9°49	17°15	25°46	6°21	5°33	28°13	n.a.	T 20
W21	5 35 30	24°41'47	13♏11	8°46	10°54	21°37	21° 0	4°42	9°48	17°17	25°46	6°22	5°30	28°20	n.a.	W21
T 22	5 39 26	25°42'53	28° 5	10°24	11°39	22°16	21° 7	4°45	9°46	17°18	25°47	6°23	5°26	28°26	n.a.	T 22
F 23	5 43 23	26°43'58	13♐ 8	12° 1	12°25	22°54	21°13	4°47	9°45	17°20	25°47	6°R23	5°23	28°33	n.a.	F 23
S 24	5 47 19	27°45'03	28°12	13°36	13°12	23°32	21°19	4°50	9°43	17°22	25°48	6°22	5°20	28°40	n.a.	S 24
S 25	5 51 16	28°46'06	13♑ 7	15° 9	14° 1	24°11	21°26	4°53	9°42	17°24	25°48	6°20	5°17	28°46	n.a.	S 25
M26	5 55 13	29°47'08	27°46	16°39	14°49	24°49	21°33	4°55	9°40	17°26	25°48	6°17	5°14	28°53	n.a.	M26
T 27	5 59 9	0♑48'09	12♒ 2	18° 7	15°39	25°27	21°40	4°57	9°39	17°28	25°49	6°13	5°11	29° 0	n.a.	T 27
W28	6 3 6	1°49'09	25°51	19°30	16°30	26° 5	21°47	5° 0	9°38	17°29	25°49	6°10	5° 7	29° 6	n.a.	W28
T 29	6 7 2	2°50'07	9♓12	20°49	17°21	26°44	21°54	5° 2	9°36	17°31	25°49	6° 7	5° 4	29°13	n.a.	T 29
F 30	6 10 59	3°51'03	22° 7	22° 3	18°13	27°22	22° 2	5° 4	9°35	17°33	25°49	6° 5	5° 1	29°20	n.a.	F 30
S 31	6 14 55	4♑51'58	4♈39	23♑11	19♏ 5	28♎ 0	22♓ 9	5♎ 6	9♉34	17♏34	25♍49	6°D 4	4♊58	29♉26	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21 s17	16 s18	5 s16	23 s 7	1 s39	9 s 0	2n59	2 s26	1n13	5 s33	1 s30	0n52	2n27	14n53	0 s17	15 s26	1n39	17n17	16n57	21n40	21n41	18n38			n.a.
F 2	21 28	11 25	5 16	23 28	1 43	8 58	3 6	2 41	1 13	5 31	1 30	0 50	2 28	14 52	0 17	15 27	1 39	17 17	16 58	21 40	21 41	18 40			n.a.
S 3	21 39	6 12	5 0	23 48	1 47	8 58	3 13	2 57	1 12	5 30	1 29	0 49	2 28	14 52	0 17	15 27	1 39	17 17	16 58	21 40	21 40	18 43			n.a.
S 4	21 50	0 51	4 31	24 7	1 50	8 58	3 19	3 12	1 12	5 29	1 29	0 47	2 28	14 51	0 17	15 28	1 39	17 17	16 59	21 40	21 40	18 45			n.a.
M 5	22 0	4n28	3 50	24 24	1 53	9 0	3 25	3 27	1 12	5 27	1 29	0 46	2 28	14 50	0 17	15 29	1 39	17 17	16 59	21 40	21 39	18 47			n.a.
T 6	22 9	9 34	3 0	24 39	1 56	9 3	3 31	3 43	1 12	5 26	1 28	0 44	2 29	14 50	0 17	15 29	1 39	17 17	17 0	21 40	21 39	18 50			n.a.
W 7	22 18	14 17	2 2	24 53	1 58	9 6	3 36	3 58	1 12	5 24	1 28	0 43	2 29	14 49	0 17	15 30	1 39	17 17	17 0	21 40	21 38	18 52			n.a.
T 8	22 27	18 29	0 59	25 6	2 0	9 11	3 41	4 14	1 11	5 22	1 28	0 41	2 29	14 48	0 17	15 30	1 39	17 18	17 1	21 40	21 37	18 55			n.a.
F 9	22 35	21 57	0n 6	25 17	2 2	9 17	3 45	4 29	1 11	5 20	1 27	0 40	2 29	14 48	0 17	15 31	1 39	17 18	17 1	21 40	21 37	18 57			n.a.
S 10	22 43	24 31	1 11	25 26	2 3	9 23	3 50	4 44	1 11	5 19	1 27	0 38	2 30	14 47	0 17	15 31	1 39	17 18	17 2	21 40	21 36	18 59			n.a.
S 11	22 51	25 59	2 14	25 34	2 4	9 30	3 53	4 59	1 11	5 17	1 27	0 37	2 30	14 47	0 17	15 32	1 39	17 18	17 3	21 40	21 36	19 2			n.a.
M12	22 57	26 14	3 11	25 40	2 4	9 38	3 57	5 15	1 10	5 15	1 26	0 36	2 30	14 46	0 17	15 33	1 39	17 18	17 3	21 40	21 35	19 4			n.a.
T 13	23 4	25 14	4 0	25 44	2 4	9 46	4 0	5 30	1 10	5 12	1 26	0 35	2 30	14 45	0 17	15 33	1 39	17 18	17 4	21 40	21 35	19 7			n.a.
W14	23 10	23 0	4 39	25 47	2 4	9 56	4 2	5 45	1 10	5 10	1 26	0 33	2 30	14 45	0 17	15 34	1 39	17 19	17 4	21 39	21 34	19 9			n.a.
T 15	23 15	19 37	5 5	25 47	2 3	10 6	4 5	6 0	1 10	5 8	1 25	0 32	2 31	14 44	0 16	15 34	1 39	17 19	17 5	21 39	21 34	19 11			n.a.
F 16	23 21	15 15	5 17	25 46	2 1	10 16	4 7	6 15	1 9	5 6	1 25	0 31	2 31	14 44	0 16	15 35	1 39	17 19	17 5	21 39	21 33	19 14			n.a.
S 17	23 25	10 4	5 12	25 43	1 59	10 27	4 9	6 30	1 9	5 3	1 25	0 30	2 31	14 43	0 16	15 35	1 39	17 19	17 6	21 39	21 32	19 16			n.a.
S 18	23 29	4 18	4 50	25 38	1 56	10 39	4 10	6 45	1 9	5 1	1 24	0 29	2 31	14 43	0 16	15 36	1 39	17 20	17 7	21 39	21 32	19 18			n.a.
M19	23 33	1 s51	4 10	25 30	1 52	10 51	4 12	7 0	1 8	4 58	1 24	0 28	2 32	14 42	0 16	15 36	1 39	17 20	17 7	21 39	21 31	19 21			n.a.
T 20	23 36	8 4	3 15	25 21	1 48	11 4	4 13	7 15	1 8	4 56	1 24	0 27	2 32	14 41	0 16	15 37	1 39	17 20	17 8	21 39	21 31	19 23			n.a.
W21	23 39	14 1	2 5	25 10	1 43	11 17	4 13	7 29	1 8	4 53	1 23	0 26	2 32	14 41	0 16	15 37	1 39	17 20	17 8	21 40	21 30	19 25			n.a.
T 22	23 41	19 15	0 46	24 57	1 37	11 30	4 14	7 44	1 7	4 50	1 23	0 25	2 32	14 41	0 16	15 38	1 39	17 21	17 9	21 40	21 30	19 28			n.a.
F 23	23 43	23 17	0 s37	24 42	1 30	11 44	4 14	7 59	1 7	4 48	1 23	0 24	2 33	14 40	0 16	15 39	1 39	17 21	17 9	21 40	21 29	19 30			n.a.
S 24	23 44	25 42	1 58	24 26	1 23	11 58	4 14	8 14	1 7	4 45	1 22	0 23	2 33	14 40	0 16	15 39	1 40	17 22	17 10	21 39	21 28	19 32			n.a.
S 25	23 45	26 14	3 9	24 7	1 15	12 13	4 14	8 28	1 6	4 42	1 22	0 23	2 33	14 39	0 16	15 39	1 40	17 22	17 11	21 39	21 28	19 35			n.a.
M26	23 45	24 54	4 7	23 47	1 6	12 28	4 14	8 43	1 6	4 39	1 22	0 22	2 34	14 39	0 16	15 40	1 40	17 22	17 11	21 39	21 27	19 37			n.a.
T 27	23 45	22 0	4 47	23 26	0 56	12 42	4 13	8 57	1 6	4 36	1 22	0 21	2 34	14 38	0 16	15 40	1 40	17 23	17 12	21 38	21 27	19 39			n.a.
W28	23 45	17 55	5 9	23 3	0 45	12 58	4 12	9 11	1 5	4 33	1 21	0 20	2 34	14 38	0 16	15 41	1 40	17 23	17 12	21 37	21 26	19 42			n.a.
T 29	23 43	13 4	5 14	22 39	0 33	13 13	4 11	9 26	1 5	4 29	1 21	0 20	2 34	14 38	0 16	15 41	1 40	17 24	17 13	21 37	21 26	19 44			n.a.
F 30	23 42	7 47	5 2	22 15	0 20	13 28	4 10	9 40	1 5	4 26	1 21	0 19	2 35	14 37	0 16	15 42	1 40	17 24	17 13	21 36	21 25	19 46			n.a.
S 31	23 s40	2 s21	4 s36	21 s50	0 s 6	13 s44	4n 9	9 s54	1n 4	4 s23	1 s20	0n19	2n35	14n37	0 s16	15 s42	1n40	17n24	17n14	21n36	21n24	19n49			n.a.

Julian Day Number = 1541689.5, Delta T = 04h37m13s
Ecliptic obliquity = 23°45'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'08, Lahiri = -10°45'07 Julian Calendar 1 Dec. 493 BCE == Greg. Calendar 26 Nov. 493 BCE

The year -492 astronomical counting style corresponds to year 493 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

JANUARY 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 18 52	5♑52'51	16♈52	24♑12	19♏59	28♎38	22♓17	5♎ 8	9°R33	17♏36	25♍50	6♊ 5	4♊55	29♉33	n.a.	S 1
M 2	6 22 48	6°53'43	28°51	25° 6	20°53	29°16	22°25	5°10	9♉32	17°38	25°50	6° 6	4°51	29°40	n.a.	M 2
T 3	6 26 45	7°54'34	10♉42	25°51	21°47	29°54	22°33	5°11	9°31	17°39	25°R50	6° 8	4°48	29°46	n.a.	T 3
W 4	6 30 42	8°55'22	22°29	26°28	22°42	0♏33	22°41	5°13	9°30	17°41	25°50	6°10	4°45	29°53	n.a.	W 4
T 5	6 34 38	9°56'10	4♊16	26°55	23°38	1°11	22°49	5°14	9°29	17°43	25°50	6°R11	4°42	29°59	n.a.	T 5
F 6	6 38 35	10°56'55	16° 7	27°11	24°34	1°49	22°58	5°16	9°28	17°44	25°49	6°10	4°39	0♊ 6	n.a.	F 6
S 7	6 42 31	11°57'39	28° 4	27°R17	25°31	2°27	23° 6	5°17	9°27	17°46	25°49	6° 8	4°36	0°13	n.a.	S 7
S 8	6 46 28	12°58'22	10♋11	27°13	26°28	3° 5	23°15	5°18	9°27	17°47	25°49	6° 4	4°32	0°19	n.a.	S 8
M 9	6 50 24	13°59'03	22°29	26°57	27°26	3°43	23°24	5°19	9°26	17°49	25°49	5°58	4°29	0°26	n.a.	M 9
T 10	6 54 21	14°59'42	4♌58	26°31	28°25	4°21	23°33	5°20	9°25	17°50	25°49	5°51	4°26	0°33	n.a.	T 10
W11	6 58 18	16° 0'20	17°39	25°55	29°23	4°59	23°42	5°21	9°25	17°51	25°49	5°43	4°23	0°39	n.a.	W11
T 12	7 2 14	17° 0'57	0♍33	25°10	0♐22	5°37	23°51	5°22	9°24	17°53	25°48	5°36	4°20	0°46	n.a.	T 12
F 13	7 6 11	18° 1'32	13°39	24°18	1°22	6°15	24° 1	5°22	9°23	17°54	25°48	5°30	4°17	0°53	n.a.	F 13
S 14	7 10 7	19° 2'05	26°59	23°19	2°22	6°53	24°10	5°23	9°23	17°56	25°48	5°26	4°13	0°59	n.a.	S 14
S 15	7 14 4	20° 2'38	10♎33	22°15	3°23	7°31	24°20	5°23	9°23	17°57	25°47	5°24	4°10	1° 6	n.a.	S 15
M16	7 18 0	21° 3'08	24°21	21° 9	4°23	8° 9	24°30	5°24	9°22	17°58	25°47	5°D24	4° 7	1°13	n.a.	M16
T 17	7 21 57	22° 3'38	8♏24	20° 1	5°24	8°47	24°39	5°24	9°22	17°59	25°46	5°24	4° 4	1°19	n.a.	T 17
W18	7 25 53	23° 4'06	22°42	18°53	6°26	9°24	24°49	5°24	9°22	18° 1	25°46	5°26	4° 1	1°26	n.a.	W18
T 19	7 29 50	24° 4'32	7♐11	17°48	7°28	10° 2	25° 0	5°R24	9°22	18° 2	25°45	5°R26	3°57	1°33	n.a.	T 19
F 20	7 33 47	25° 4'58	21°50	16°47	8°30	10°40	25°10	5°24	9°21	18° 3	25°45	5°25	3°54	1°39	n.a.	F 20
S 21	7 37 43	26° 5'21	6♑33	15°50	9°33	11°18	25°20	5°24	9°21	18° 4	25°44	5°22	3°51	1°46	n.a.	S 21
S 22	7 41 40	27° 5'43	21°12	14°59	10°35	11°56	25°31	5°24	9°D21	18° 5	25°43	5°16	3°48	1°53	n.a.	S 22
M23	7 45 36	28° 6'03	5♒41	14°15	11°38	12°33	25°41	5°23	9°21	18° 6	25°43	5° 8	3°45	1°59	n.a.	M23
T 24	7 49 33	29° 6'21	19°53	13°37	12°42	13°11	25°52	5°23	9°21	18° 7	25°42	4°59	3°42	2° 6	n.a.	T 24
W25	7 53 29	0♒ 6'37	3♓42	13° 6	13°45	13°49	26° 3	5°22	9°21	18° 8	25°41	4°49	3°38	2°12	n.a.	W25
T 26	7 57 26	1° 6'50	17° 7	12°43	14°49	14°26	26°14	5°21	9°22	18° 9	25°41	4°41	3°35	2°19	n.a.	T 26
F 27	8 1 22	2° 7'02	0♈ 6	12°27	15°53	15° 4	26°24	5°21	9°22	18°10	25°40	4°34	3°32	2°26	n.a.	F 27
S 28	8 5 19	3° 7'11	12°42	12°18	16°58	15°41	26°36	5°20	9°22	18°11	25°39	4°30	3°29	2°32	n.a.	S 28
S 29	8 9 16	4° 7'19	24°58	12°D15	18° 2	16°19	26°47	5°19	9°23	18°12	25°38	4°27	3°26	2°39	n.a.	S 29
M30	8 13 12	5° 7'24	6♉59	12°19	19° 7	16°56	26°58	5°18	9°23	18°13	25°37	4°D27	3°23	2°46	n.a.	M30
T 31	8 17 9	6♒ 7'26	18♉51	12♑29	20♐12	17♏34	27♓ 9	5♎17	9♉23	18♏14	25♍36	4♊27	3♊19	2♊52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23 s37	3n 3	3 s58	21 s25	0n 9	14 s 0	4n 7	10 s 8	1n 4	4 s20	1 s20	0n18	2n35	14n36	0 s16	15 s43	1n40	17n25	17n15	21n36	21n24	19n51			n.a.
M 2	23 34	8 15	3 11	21 0	0 24	14 16	4 6	10 22	1 3	4 16	1 20	0 18	2 35	14 36	0 16	15 43	1 40	17 25	17 15	21 37	21 23	19 53			n.a.
T 3	23 31	13 5	2 15	20 36	0 40	14 32	4 4	10 36	1 3	4 13	1 20	0 17	2 36	14 36	0 16	15 44	1 40	17 26	17 16	21 37	21 23	19 56			n.a.
W 4	23 27	17 26	1 14	20 12	0 57	14 47	4 2	10 50	1 2	4 9	1 19	0 17	2 36	14 36	0 16	15 44	1 40	17 26	17 16	21 37	21 22	19 58			n.a.
T 5	23 23	21 6	0 10	19 50	1 14	15 3	4 0	11 4	1 2	4 6	1 19	0 17	2 36	14 35	0 16	15 44	1 40	17 27	17 17	21 37	21 21	20 0			n.a.
F 6	23 18	23 55	0n54	19 30	1 32	15 19	3 58	11 18	1 2	4 2	1 19	0 16	2 36	14 35	0 16	15 45	1 40	17 28	17 17	21 37	21 21	20 2			n.a.
S 7	23 13	25 41	1 57	19 11	1 49	15 35	3 55	11 32	1 1	3 58	1 18	0 16	2 37	14 35	0 16	15 45	1 40	17 28	17 18	21 37	21 20	20 5			n.a.
S 8	23 7	26 16	2 55	18 55	2 7	15 51	3 53	11 45	1 1	3 54	1 18	0 16	2 37	14 35	0 16	15 46	1 40	17 29	17 19	21 36	21 20	20 7			n.a.
M 9	23 1	25 33	3 46	18 42	2 24	16 7	3 50	11 59	1 0	3 51	1 18	0 16	2 37	14 34	0 16	15 46	1 40	17 29	17 19	21 35	21 19	20 9			n.a.
T 10	22 54	23 34	4 26	18 31	2 40	16 22	3 47	12 12	1 0	3 47	1 18	0 16	2 38	14 34	0 16	15 46	1 40	17 30	17 20	21 34	21 19	20 12			n.a.
W11	22 47	20 24	4 54	18 23	2 55	16 38	3 45	12 26	0 59	3 43	1 17	0 15	2 38	14 34	0 16	15 47	1 40	17 30	17 20	21 33	21 18	20 14			n.a.
T 12	22 39	16 13	5 8	18 17	3 9	16 53	3 42	12 39	0 59	3 39	1 17	0 15	2 38	14 34	0 16	15 47	1 40	17 31	17 21	21 31	21 17	20 16			n.a.
F 13	22 31	11 13	5 6	18 15	3 21	17 8	3 38	12 52	0 58	3 35	1 17	0 15	2 38	14 34	0 16	15 47	1 40	17 32	17 21	21 30	21 17	20 18			n.a.
S 14	22 23	5 37	4 48	18 15	3 31	17 24	3 35	13 5	0 57	3 31	1 17	0 15	2 39	14 34	0 16	15 48	1 40	17 32	17 22	21 30	21 16	20 21			n.a.
S 15	22 14	0 s21	4 13	18 17	3 39	17 38	3 32	13 18	0 57	3 27	1 16	0 15	2 39	14 33	0 16	15 48	1 40	17 33	17 22	21 29	21 16	20 23			n.a.
M16	22 5	6 24	3 24	18 22	3 45	17 53	3 29	13 31	0 56	3 23	1 16	0 16	2 39	14 33	0 16	15 48	1 40	17 34	17 23	21 29	21 15	20 25			n.a.
T 17	21 55	12 16	2 21	18 28	3 49	18 7	3 25	13 44	0 56	3 18	1 16	0 16	2 39	14 33	0 16	15 49	1 40	17 34	17 23	21 29	21 14	20 27			n.a.
W18	21 45	17 35	1 8	18 36	3 50	18 21	3 22	13 57	0 55	3 14	1 16	0 16	2 40	14 33	0 16	15 49	1 40	17 35	17 24	21 29	21 14	20 30			n.a.
T 19	21 35	21 57	0 s 9	18 46	3 49	18 35	3 18	14 9	0 55	3 10	1 15	0 16	2 40	14 33	0 16	15 49	1 41	17 36	17 24	21 30	21 13	20 32			n.a.
F 20	21 24	24 57	1 27	18 57	3 46	18 49	3 14	14 22	0 54	3 6	1 15	0 16	2 40	14 33	0 16	15 50	1 41	17 36	17 25	21 29	21 13	20 34			n.a.
S 21	21 13	26 15	2 40	19 8	3 41	19 2	3 11	14 34	0 53	3 1	1 15	0 17	2 41	14 33	0 16	15 50	1 41	17 37	17 26	21 29	21 12	20 36			n.a.
S 22	21 1	25 42	3 41	19 21	3 35	19 15	3 7	14 47	0 53	2 57	1 15	0 17	2 41	14 33	0 16	15 50	1 41	17 38	17 26	21 28	21 11	20 38			n.a.
M23	20 49	23 24	4 27	19 34	3 26	19 28	3 3	14 59	0 52	2 52	1 15	0 17	2 41	14 33	0 16	15 50	1 41	17 39	17 27	21 26	21 11	20 41			n.a.
T 24	20 36	19 42	4 56	19 47	3 17	19 40	2 59	15 11	0 51	2 48	1 14	0 18	2 41	14 33	0 16	15 51	1 41	17 39	17 27	21 25	21 10	20 43			n.a.
W25	20 24	15 1	5 6	20 0	3 7	19 52	2 55	15 23	0 51	2 43	1 14	0 18	2 42	14 33	0 16	15 51	1 41	17 40	17 28	21 23	21 10	20 45			n.a.
T 26	20 10	9 44	4 59	20 14	2 55	20 3	2 51	15 35	0 50	2 39	1 14	0 19	2 42	14 33	0 16	15 51	1 41	17 41	17 28	21 21	21 9	20 47			n.a.
F 27	19 57	4 10	4 36	20 27	2 44	20 14	2 47	15 47	0 49	2 34	1 14	0 19	2 42	14 33	0 16	15 51	1 41	17 42	17 29	21 20	21 8	20 49			n.a.
S 28	19 43	1n23	4 1	20 40	2 31	20 25	2 42	15 59	0 49	2 30	1 13	0 20	2 42	14 34	0 16	15 51	1 41	17 42	17 29	21 19	21 8	20 52			n.a.
S 29	19 29	6 46	3 15	20 53	2 19	20 35	2 38	16 10	0 48	2 25	1 13	0 21	2 43	14 34	0 16	15 52	1 41	17 43	17 29	21 19	21 7	20 54			n.a.
M30	19 14	11 48	2 22	21 5	2 6	20 45	2 34	16 22	0 47	2 20	1 13	0 21	2 43	14 34	0 15	15 52	1 41	17 44	17 30	21 19	21 6	20 56			n.a.
T 31	18 s59	16n20	1 s23	21 s17	1n53	20 s54	2n30	16 s33	0n46	2 s15	1 s13	0n22	2n43	14n34	0 s15	15 s52	1n41	17n45	17n30	21n19	21n 6	20n58			n.a.

Julian Day Number = 1541720.5, Delta T = 04h37m12s
Ecliptic obliquity = 23°45'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°52'04, Lahiri = -10°45'03 Julian Calendar 1 Jan. 492 BCE == Greg. Calendar 27 Dec. 493 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

FEBRUARY 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 21 5	7♒ 7'27	0♊38	12♉45	21♐17	18♏11	27♓21	5°R15	9♉24	18♏14	25°R35	4°R28	3♊16	2♊59	n.a.	W 1
T 2	8 25 2	8° 7'25	12°26	13° 6	22°23	18°48	27°32	5♎14	9°24	18°15	25♍34	4♊28	3°13	3° 6	n.a.	T 2
F 3	8 28 58	9° 7'21	24°20	13°32	23°28	19°26	27°44	5°12	9°25	18°16	25°34	4°26	3°10	3°12	n.a.	F 3
S 4	8 32 55	10° 7'15	6♋24	14° 3	24°34	20° 3	27°56	5°11	9°26	18°17	25°32	4°21	3° 7	3°19	n.a.	S 4
S 5	8 36 51	11° 7'06	18°41	14°39	25°40	20°40	28° 7	5° 9	9°26	18°17	25°31	4°14	3° 3	3°26	n.a.	S 5
M 6	8 40 48	12° 6'56	1♌13	15°18	26°46	21°17	28°19	5° 7	9°27	18°18	25°30	4° 4	3° 0	3°32	n.a.	M 6
T 7	8 44 45	13° 6'43	14° 0	16° 2	27°53	21°55	28°31	5° 6	9°28	18°18	25°29	3°53	2°57	3°39	n.a.	T 7
W 8	8 48 41	14° 6'28	27° 3	16°49	28°59	22°32	28°43	5° 4	9°29	18°19	25°28	3°41	2°54	3°46	n.a.	W 8
T 9	8 52 38	15° 6'11	10♍20	17°40	0♑ 6	23° 9	28°55	5° 2	9°30	18°19	25°27	3°29	2°51	3°52	n.a.	T 9
F 10	8 56 34	16° 5'52	23°49	18°33	1°13	23°46	29° 8	5° 0	9°31	18°20	25°26	3°18	2°48	3°59	n.a.	F 10
S 11	9 0 31	17° 5'31	7♎27	19°30	2°20	24°23	29°20	4°57	9°32	18°20	25°25	3°10	2°44	4° 5	n.a.	S 11
S 12	9 4 27	18° 5'08	21°14	20°30	3°27	25° 0	29°32	4°55	9°33	18°21	25°23	3° 5	2°41	4°12	n.a.	S 12
M13	9 8 24	19° 4'44	5♏ 8	21°32	4°34	25°37	29°45	4°53	9°34	18°21	25°22	3° 3	2°38	4°19	n.a.	M13
T 14	9 12 20	20° 4'17	19° 9	22°36	5°41	26°13	29°57	4°50	9°35	18°22	25°21	3°D 2	2°35	4°25	n.a.	T 14
W15	9 16 17	21° 3'49	3♐15	23°43	6°49	26°50	0♈10	4°48	9°36	18°22	25°20	3°R 2	2°32	4°32	n.a.	W15
T 16	9 20 13	22° 3'19	17°27	24°53	7°57	27°27	0°22	4°45	9°38	18°22	25°18	3° 2	2°29	4°39	n.a.	T 16
F 17	9 24 10	23° 2'47	1♑41	26° 4	9° 5	28° 4	0°35	4°42	9°39	18°22	25°17	2°59	2°25	4°45	n.a.	F 17
S 18	9 28 7	24° 2'14	15°57	27°17	10°13	28°40	0°48	4°39	9°40	18°23	25°16	2°54	2°22	4°52	n.a.	S 18
S 19	9 32 3	25° 1'38	0♒11	28°33	11°21	29°17	1° 0	4°37	9°42	18°23	25°14	2°46	2°19	4°59	n.a.	S 19
M20	9 36 0	26° 1'00	14°16	29°50	12°29	29°53	1°13	4°34	9°43	18°23	25°13	2°36	2°16	5° 5	n.a.	M20
T 21	9 39 56	27° 0'20	28° 9	1♒ 9	13°37	0♐30	1°26	4°31	9°45	18°23	25°11	2°23	2°13	5°12	n.a.	T 21
W22	9 43 53	27°59'38	11♓46	2°30	14°46	1° 6	1°39	4°27	9°46	18°23	25°10	2°11	2° 9	5°19	n.a.	W22
T 23	9 47 49	28°58'54	25° 2	3°52	15°54	1°42	1°52	4°24	9°48	18°23	25° 8	1°59	2° 6	5°25	n.a.	T 23
F 24	9 51 46	29°58'07	7♈57	5°17	17° 3	2°19	2° 5	4°21	9°49	18°R23	25° 7	1°49	2° 3	5°32	n.a.	F 24
S 25	9 55 42	0♓57'18	20°31	6°42	18°11	2°55	2°19	4°18	9°51	18°23	25° 5	1°41	2° 0	5°38	n.a.	S 25
S 26	9 59 39	1°56'26	2♉48	8°10	19°20	3°31	2°32	4°14	9°53	18°23	25° 4	1°37	1°57	5°45	n.a.	S 26
M27	10 3 36	2°55'33	14°50	9°39	20°29	4° 7	2°45	4°11	9°55	18°23	25° 2	1°34	1°54	5°52	n.a.	M27
T 28	10 7 32	3♓54'37	26♉42	11♒ 9	21♑38	4♐43	2♈58	4♎ 7	9♉56	18♏23	25♍ 1	1♊34	1♊50	5♊58	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s44	20n13	0s21	21s28	1n40	21s 3	2n25	16s44	0n46	2s11	1s13	0n23	2n43	14n34	0s15	15s52	1n41	17n45	17n31	21n19	21n 5	21n 0		n.a.
T 2	18 29	23 17	0n42	21 39	1 27	21 11	2 21	16 56	0 45	2 6	1 12	0 24	2 44	14 34	0 15	15 52	1 41	17 46	17 31	21 19	21 5	21 3		n.a.
F 3	18 13	25 22	1 44	21 49	1 15	21 19	2 17	17 7	0 44	2 1	1 12	0 24	2 44	14 35	0 15	15 52	1 41	17 47	17 32	21 18	21 4	21 5		n.a.
S 4	17 56	26 17	2 42	21 58	1 2	21 26	2 12	17 18	0 43	1 56	1 12	0 25	2 44	14 35	0 15	15 53	1 41	17 48	17 32	21 18	21 3	21 7		n.a.
S 5	17 40	25 57	3 33	22 6	0 50	21 33	2 8	17 28	0 42	1 51	1 12	0 26	2 44	14 35	0 15	15 53	1 41	17 49	17 33	21 16	21 3	21 9		n.a.
M 6	17 23	24 17	4 14	22 14	0 38	21 40	2 3	17 39	0 42	1 46	1 12	0 27	2 45	14 35	0 15	15 53	1 41	17 49	17 33	21 14	21 2	21 11		n.a.
T 7	17 6	21 22	4 44	22 20	0 27	21 45	1 59	17 50	0 41	1 41	1 11	0 28	2 45	14 36	0 15	15 53	1 41	17 50	17 33	21 12	21 2	21 13		n.a.
W 8	16 49	17 20	5 0	22 26	0 15	21 51	1 55	18 0	0 40	1 36	1 11	0 29	2 45	14 36	0 15	15 53	1 41	17 51	17 34	21 10	21 1	21 15		n.a.
T 9	16 31	12 24	5 0	22 30	0 4	21 55	1 50	18 11	0 39	1 31	1 11	0 30	2 45	14 36	0 15	15 53	1 42	17 52	17 34	21 8	21 0	21 18		n.a.
F 10	16 13	6 48	4 43	22 33	0s 6	21 59	1 46	18 21	0 38	1 26	1 11	0 31	2 46	14 37	0 15	15 53	1 42	17 53	17 35	21 6	21 0	21 20		n.a.
S 11	15 55	0 49	4 10	22 35	0 17	22 3	1 41	18 31	0 37	1 21	1 11	0 32	2 46	14 37	0 15	15 53	1 42	17 53	17 35	21 4	20 59	21 22		n.a.
S 12	15 37	5s16	3 22	22 36	0 26	22 6	1 37	18 41	0 36	1 16	1 10	0 33	2 46	14 37	0 15	15 53	1 42	17 54	17 35	21 3	20 58	21 24		n.a.
M13	15 18	11 11	2 22	22 36	0 36	22 8	1 32	18 51	0 35	1 11	1 10	0 34	2 46	14 38	0 15	15 53	1 42	17 55	17 36	21 3	20 58	21 26		n.a.
T 14	14 59	16 34	1 13	22 34	0 45	22 10	1 28	19 0	0 34	1 5	1 10	0 36	2 46	14 38	0 15	15 54	1 42	17 56	17 36	21 3	20 57	21 28		n.a.
W15	14 40	21 6	0s 1	22 31	0 54	22 12	1 23	19 10	0 33	1 0	1 10	0 37	2 47	14 38	0 15	15 54	1 42	17 57	17 36	21 3	20 56	21 30		n.a.
T 16	14 21	24 24	1 16	22 27	1 2	22 12	1 19	19 20	0 32	0 55	1 10	0 38	2 47	14 39	0 15	15 54	1 42	17 58	17 37	21 2	20 56	21 32		n.a.
F 17	14 1	26 10	2 25	22 22	1 10	22 12	1 14	19 29	0 31	0 50	1 10	0 39	2 47	14 39	0 15	15 54	1 42	17 58	17 37	21 2	20 55	21 35		n.a.
S 18	13 41	26 12	3 26	22 15	1 17	22 12	1 10	19 38	0 30	0 44	1 9	0 41	2 47	14 40	0 15	15 54	1 42	17 59	17 37	21 1	20 55	21 37		n.a.
S 19	13 21	24 30	4 14	22 6	1 25	22 11	1 5	19 47	0 29	0 39	1 9	0 42	2 47	14 40	0 15	15 54	1 42	18 0	17 38	20 59	20 54	21 39		n.a.
M20	13 1	21 18	4 45	21 56	1 31	22 9	1 1	19 56	0 28	0 34	1 9	0 43	2 48	14 41	0 15	15 54	1 42	18 1	17 38	20 57	20 53	21 41		n.a.
T 21	12 40	16 56	5 0	21 45	1 37	22 7	0 57	20 5	0 27	0 28	1 9	0 45	2 48	14 41	0 15	15 54	1 42	18 2	17 38	20 55	20 53	21 43		n.a.
W22	12 20	11 48	4 56	21 32	1 43	22 4	0 52	20 14	0 26	0 23	1 9	0 46	2 48	14 42	0 15	15 54	1 42	18 3	17 39	20 52	20 52	21 45		n.a.
T 23	11 59	6 13	4 37	21 18	1 49	22 0	0 48	20 22	0 25	0 18	1 9	0 48	2 48	14 42	0 15	15 54	1 42	18 4	17 39	20 50	20 51	21 47		n.a.
F 24	11 38	0 32	4 3	21 2	1 54	21 56	0 44	20 31	0 24	0 12	1 9	0 49	2 48	14 43	0 15	15 54	1 42	18 4	17 39	20 48	20 51	21 49		n.a.
S 25	11 17	5n 3	3 19	20 45	1 58	21 51	0 40	20 39	0 22	0 7	1 8	0 51	2 49	14 43	0 15	15 53	1 42	18 5	17 39	20 46	20 50	21 51		n.a.
S 26	10 55	10 19	2 26	20 26	2 2	21 46	0 35	20 47	0 21	0 1	1 8	0 52	2 49	14 44	0 15	15 53	1 42	18 6	17 40	20 45	20 49	21 53		n.a.
M27	10 34	15 6	1 27	20 5	2 6	21 40	0 31	20 55	0 20	0n 4	1 8	0 54	2 49	14 45	0 15	15 53	1 42	18 7	17 40	20 45	20 49	21 55		n.a.
T 28	10s12	19n15	0s26	19s43	2s 9	21s33	0n27	21s 3	0n19	0n10	1s 8	0n55	2n49	14n45	0s15	15s53	1n42	18n 8	17n40	20n45	20n48	21n57		n.a.

Julian Day Number = 1541751.5, Delta T = 04h37m10s
Ecliptic obliquity = 23°45'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'59, Lahiri = -10°44'59 Julian Calendar 1 Feb. 492 BCE == Greg. Calendar 27 Jan. 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

MARCH 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 11 29	4♓53'38	8♊30	12♒41	22♉47	5♐19	3♈12	4°R 4	9♉58	18°R23	24°R59	1°R34	1♊47	6♊ 5	n.a.	W 1
T 2	10 15 25	5°52'37	20°19	14°14	23°56	5°54	3°25	4♎ 0	10° 0	18♏23	24♍58	1♊33	1°44	6°12	n.a.	T 2
F 3	10 19 22	6°51'34	2♋15	15°49	25° 5	6°30	3°38	3°56	10° 2	18°22	24°56	1°31	1°41	6°18	n.a.	F 3
S 4	10 23 18	7°50'28	14°23	17°26	26°15	7° 6	3°52	3°53	10° 4	18°22	24°55	1°27	1°38	6°25	n.a.	S 4
S 5	10 27 15	8°49'20	26°47	19° 4	27°24	7°41	4° 5	3°49	10° 6	18°22	24°53	1°20	1°34	6°32	n.a.	S 5
M 6	10 31 11	9°48'10	9♌29	20°43	28°33	8°17	4°19	3°45	10° 8	18°22	24°51	1°10	1°31	6°38	n.a.	M 6
T 7	10 35 8	10°46'57	22°32	22°24	29°43	8°52	4°33	3°41	10°11	18°21	24°50	0°59	1°28	6°45	n.a.	T 7
W 8	10 39 4	11°45'43	5♍54	24° 7	0♒52	9°27	4°46	3°37	10°13	18°21	24°48	0°46	1°25	6°52	n.a.	W 8
T 9	10 43 1	12°44'26	19°34	25°51	2° 2	10° 3	5° 0	3°33	10°15	18°21	24°46	0°34	1°22	6°58	n.a.	T 9
F 10	10 46 58	13°43'06	3♎28	27°36	3°12	10°38	5°14	3°29	10°17	18°20	24°45	0°24	1°19	7° 5	n.a.	F 10
S 11	10 50 54	14°41'45	17°32	29°23	4°22	11°13	5°27	3°25	10°19	18°20	24°43	0°16	1°15	7°12	n.a.	S 11
S 12	10 54 51	15°40'22	1♏42	1♓12	5°31	11°48	5°41	3°21	10°22	18°19	24°42	0°10	1°12	7°18	n.a.	S 12
M13	10 58 47	16°38'58	15°55	3° 2	6°41	12°22	5°55	3°17	10°24	18°19	24°40	0° 8	1° 9	7°25	n.a.	M13
T 14	11 2 44	17°37'31	0♐ 6	4°54	7°51	12°57	6° 9	3°12	10°27	18°18	24°38	0°D 7	1° 6	7°31	n.a.	T 14
W15	11 6 40	18°36'03	14°15	6°47	9° 1	13°32	6°23	3° 8	10°29	18°17	24°36	0°R 7	1° 3	7°38	n.a.	W15
T 16	11 10 37	19°34'34	28°20	8°42	10°12	14° 6	6°36	3° 4	10°31	18°17	24°35	0° 7	1° 0	7°45	n.a.	T 16
F 17	11 14 33	20°33'02	12♉21	10°38	11°22	14°41	6°50	2°59	10°34	18°16	24°33	0° 5	0°56	7°51	n.a.	F 17
S 18	11 18 30	21°31'29	26°16	12°36	12°32	15°15	7° 4	2°55	10°37	18°16	24°31	0° 1	0°53	7°58	n.a.	S 18
S 19	11 22 27	22°29'54	10♒ 5	14°35	13°42	15°49	7°18	2°51	10°39	18°15	24°30	29♉54	0°50	8° 5	n.a.	S 19
M20	11 26 23	23°28'17	23°44	16°36	14°53	16°23	7°32	2°46	10°42	18°14	24°28	29°45	0°47	8°11	n.a.	M20
T 21	11 30 20	24°26'39	7♓11	18°38	16° 3	16°57	7°46	2°42	10°44	18°13	24°26	29°35	0°44	8°18	n.a.	T 21
W22	11 34 16	25°24'58	20°26	20°42	17°14	17°31	8° 0	2°38	10°47	18°13	24°25	29°23	0°40	8°25	n.a.	W22
T 23	11 38 13	26°23'16	3♈24	22°47	18°24	18° 4	8°14	2°33	10°50	18°12	24°23	29°13	0°37	8°31	n.a.	T 23
F 24	11 42 9	27°21'32	16° 6	24°53	19°35	18°38	8°28	2°29	10°53	18°11	24°21	29° 4	0°34	8°38	n.a.	F 24
S 25	11 46 6	28°19'45	28°32	27° 0	20°45	19°11	8°42	2°24	10°55	18°10	24°20	28°58	0°31	8°45	n.a.	S 25
S 26	11 50 2	29°17'57	10♉43	29° 8	21°56	19°44	8°56	2°20	10°58	18° 9	24°18	28°54	0°28	8°51	n.a.	S 26
M27	11 53 59	0♈16'07	22°43	1♈16	23° 7	20°17	9°11	2°15	11° 1	18° 8	24°16	28°52	0°25	8°58	n.a.	M27
T 28	11 57 55	1°14'15	4♊34	3°25	24°17	20°50	9°25	2°11	11° 4	18° 7	24°15	28°D52	0°21	9° 4	n.a.	T 28
W29	12 1 52	2°12'20	16°22	5°34	25°28	21°23	9°39	2° 6	11° 7	18° 6	24°13	28°53	0°18	9°11	n.a.	W29
T 30	12 5 49	3°10'24	28°12	7°43	26°39	21°55	9°53	2° 2	11°10	18° 5	24°11	28°R53	0°15	9°18	n.a.	T 30
F 31	12 9 45	4♈ 8'26	10♋ 9	9♈52	27♒50	22♐28	10♈ 7	1♎57	11♉13	18♏ 4	24♍ 9	28♉53	0♊12	9♊24	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	9s50	22n37	0n37	19s20	2s12	21s26	0n23	21s11	0n18	0n15	1s 8	0n57	2n49	14n46	0s15	15s53	1n43	18n 8	17n40	20n45	20n48	21n59			n.a.
T 2	9 29	25 1	1 38	18 54	2 14	21 18	0 19	21 19	0 16	0 21	1 8	0 58	2 49	14 46	0 15	15 53	1 43	18 9	17 40	20 45	20 47	22 1			n.a.
F 3	9 7	26 19	2 35	18 27	2 15	21 9	0 15	21 26	0 15	0 26	1 8	1 0	2 50	14 47	0 15	15 53	1 43	18 10	17 41	20 44	20 46	22 3			n.a.
S 4	8 44	26 23	3 26	17 59	2 17	21 0	0 11	21 33	0 14	0 32	1 7	1 2	2 50	14 48	0 15	15 53	1 43	18 11	17 41	20 43	20 46	22 5			n.a.
S 5	8 22	25 8	4 9	17 29	2 18	20 51	0 7	21 41	0 12	0 37	1 7	1 3	2 50	14 48	0 15	15 53	1 43	18 12	17 41	20 42	20 45	22 7			n.a.
M 6	8 0	22 36	4 40	16 57	2 18	20 40	0 3	21 48	0 11	0 43	1 7	1 5	2 50	14 49	0 15	15 53	1 43	18 12	17 41	20 40	20 44	22 9			n.a.
T 7	7 37	18 52	4 58	16 23	2 18	20 30	0s 1	21 55	0 10	0 48	1 7	1 7	2 50	14 50	0 15	15 52	1 43	18 13	17 41	20 38	20 44	22 11			n.a.
W 8	7 15	14 6	5 0	15 48	2 17	20 18	0 5	22 2	0 8	0 54	1 7	1 8	2 50	14 51	0 15	15 52	1 43	18 14	17 41	20 35	20 43	22 13			n.a.
T 9	6 52	8 32	4 45	15 12	2 16	20 6	0 8	22 8	0 7	0 59	1 7	1 10	2 50	14 51	0 15	15 52	1 43	18 15	17 42	20 32	20 42	22 15			n.a.
F 10	6 29	2 28	4 13	14 33	2 14	19 54	0 12	22 15	0 5	1 5	1 7	1 12	2 50	14 52	0 15	15 52	1 43	18 16	17 42	20 30	20 42	22 17			n.a.
S 11	6 6	3s49	3 25	13 53	2 12	19 41	0 16	22 21	0 4	1 11	1 7	1 14	2 51	14 53	0 15	15 52	1 43	18 16	17 42	20 28	20 41	22 19			n.a.
S 12	5 43	9 58	2 25	13 12	2 9	19 27	0 19	22 28	0 2	1 16	1 7	1 15	2 51	14 54	0 15	15 52	1 43	18 17	17 42	20 27	20 40	22 21			n.a.
M13	5 20	15 38	1 15	12 28	2 5	19 13	0 23	22 34	0 1	1 22	1 6	1 17	2 51	14 54	0 15	15 51	1 43	18 18	17 42	20 27	20 40	22 23			n.a.
T 14	4 57	20 26	0 0	11 43	2 2	18 58	0 26	22 40	0s 1	1 28	1 6	1 19	2 51	14 55	0 15	15 51	1 43	18 19	17 42	20 27	20 39	22 25			n.a.
W15	4 34	24 3	1s14	10 57	1 57	18 43	0 30	22 46	0 2	1 33	1 6	1 21	2 51	14 56	0 15	15 51	1 43	18 19	17 42	20 27	20 38	22 27			n.a.
T 16	4 11	26 9	2 24	10 9	1 52	18 27	0 33	22 52	0 4	1 39	1 6	1 23	2 51	14 57	0 15	15 51	1 43	18 20	17 42	20 27	20 38	22 29			n.a.
F 17	3 48	26 34	3 24	9 19	1 47	18 11	0 36	22 57	0 6	1 44	1 6	1 24	2 51	14 57	0 15	15 51	1 43	18 21	17 42	20 26	20 37	22 31			n.a.
S 18	3 24	25 18	4 12	8 28	1 41	17 54	0 39	23 3	0 7	1 50	1 6	1 26	2 51	14 58	0 15	15 50	1 43	18 21	17 42	20 25	20 36	22 33			n.a.
S 19	3 1	22 31	4 45	7 35	1 34	17 36	0 42	23 8	0 9	1 56	1 6	1 28	2 51	14 59	0 14	15 50	1 43	18 22	17 42	20 24	20 36	22 35			n.a.
M20	2 38	18 31	5 1	6 42	1 27	17 19	0 45	23 14	0 11	2 1	1 6	1 30	2 51	15 0	0 14	15 50	1 43	18 23	17 42	20 22	20 35	22 37			n.a.
T 21	2 14	13 37	5 0	5 46	1 20	17 0	0 48	23 19	0 13	2 7	1 6	1 32	2 51	15 1	0 14	15 50	1 43	18 24	17 42	20 20	20 34	22 39			n.a.
W22	1 51	8 10	4 43	4 50	1 12	16 41	0 51	23 24	0 14	2 13	1 6	1 33	2 51	15 2	0 14	15 49	1 44	18 24	17 42	20 17	20 34	22 41			n.a.
T 23	1 27	2 28	4 11	3 52	1 3	16 22	0 54	23 29	0 16	2 19	1 5	1 35	2 51	15 3	0 14	15 49	1 44	18 25	17 42	20 15	20 33	22 43			n.a.
F 24	1 4	3n14	3 28	2 53	0 54	16 2	0 57	23 34	0 18	2 24	1 5	1 37	2 51	15 3	0 14	15 49	1 44	18 26	17 42	20 13	20 32	22 45			n.a.
S 25	0 40	8 41	2 35	1 54	0 45	15 42	1 0	23 38	0 20	2 30	1 5	1 39	2 52	15 4	0 14	15 49	1 44	18 26	17 42	20 12	20 32	22 47			n.a.
S 26	0 17	13 44	1 36	0 53	0 35	15 22	1 2	23 43	0 22	2 36	1 5	1 41	2 52	15 5	0 14	15 48	1 44	18 27	17 42	20 11	20 31	22 49			n.a.
M27	0n 6	18 10	0 33	0n 8	0 25	15 1	1 5	23 47	0 24	2 41	1 5	1 43	2 52	15 6	0 14	15 48	1 44	18 27	17 42	20 10	20 30	22 51			n.a.
T 28	0 30	21 50	0n31	1 9	0 15	14 39	1 7	23 52	0 26	2 47	1 5	1 44	2 52	15 7	0 14	15 48	1 44	18 28	17 42	20 10	20 30	22 53			n.a.
W29	0 53	24 35	1 33	2 11	0 4	14 17	1 10	23 56	0 28	2 53	1 5	1 46	2 52	15 8	0 14	15 47	1 44	18 29	17 42	20 10	20 29	22 54			n.a.
T 30	1 17	26 16	2 31	3 12	0n 7	13 55	1 12	24 0	0 30	2 58	1 5	1 48	2 52	15 9	0 14	15 47	1 44	18 29	17 42	20 11	20 28	22 56			n.a.
F 31	1n40	26n44	3n23	4n13	0n17	13s33	1s14	24s 4	0s32	3n 4	1s 5	1n50	2n52	15n10	0s14	15s47	1n44	18n30	17n42	20n11	20n28	22n58			n.a.

Julian Day Number = 1541779.5, Delta T = 04h37m09s
Ecliptic obliquity = 23°45'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'56, Lahiri = -10°44'55 Julian Calendar 1 March 492 BCE == Greg. Calendar 24 Feb. 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

APRIL 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 13 42	5♈ 6'26	22♋17	12♈ 0	29♒ 0	23♐ 0	10♈21	1°R53	11♉16	18°R 3	24°R 8	28°R52	0♊ 9	9♊31	n.a.	S 1
S 2	12 17 38	6° 4'23	4♌43	14° 7	0♓11	23°32	10°35	1♎48	11°19	18♏ 2	24♍ 6	28♉48	0° 6	9°38	n.a.	S 2
M 3	12 21 35	7° 2'19	17°29	16°13	1°22	24° 4	10°50	1°44	11°22	18° 1	24° 5	28°42	0° 2	9°44	n.a.	M 3
T 4	12 25 31	8° 0'13	0♍39	18°18	2°33	24°36	11° 4	1°39	11°25	18° 0	24° 3	28°35	29♉59	9°51	n.a.	T 4
W 5	12 29 28	8°58'05	14°12	20°21	3°44	25° 7	11°18	1°35	11°28	17°59	24° 1	28°27	29°56	9°58	n.a.	W 5
T 6	12 33 24	9°55'55	28° 9	22°21	4°55	25°39	11°32	1°30	11°31	17°58	24° 0	28°19	29°53	10° 4	n.a.	T 6
F 7	12 37 21	10°53'43	12♎24	24°20	6° 7	26°10	11°46	1°26	11°34	17°56	23°58	28°12	29°50	10°11	n.a.	F 7
S 8	12 41 18	11°51'30	26°52	26°16	7°18	26°41	12° 0	1°22	11°37	17°55	23°56	28° 7	29°46	10°18	n.a.	S 8
S 9	12 45 14	12°49'16	11♏28	28° 9	8°29	27°11	12°14	1°17	11°41	17°54	23°55	28° 4	29°43	10°24	n.a.	S 9
M10	12 49 11	13°47'00	26° 4	29°59	9°40	27°42	12°29	1°13	11°44	17°53	23°53	28°D 3	29°40	10°31	n.a.	M10
T 11	12 53 7	14°44'43	10♐36	1♉47	10°51	28°12	12°43	1° 9	11°47	17°51	23°52	28° 3	29°37	10°38	n.a.	T 11
W12	12 57 4	15°42'24	25° 0	3°31	12° 3	28°42	12°57	1° 4	11°50	17°50	23°50	28° 4	29°34	10°44	n.a.	W12
T 13	13 1 0	16°40'05	9♑11	5°12	13°14	29°12	13°11	1° 0	11°53	17°49	23°49	28° 6	29°31	10°51	n.a.	T 13
F 14	13 4 57	17°37'44	23°10	6°50	14°25	29°42	13°25	0°56	11°57	17°47	23°47	28°R 6	29°27	10°57	n.a.	F 14
S 15	13 8 53	18°35'23	6♒56	8°25	15°37	0♑11	13°39	0°52	12° 0	17°46	23°46	28° 4	29°24	11° 4	n.a.	S 15
S 16	13 12 50	19°33'00	20°28	9°56	16°48	0°40	13°53	0°47	12° 3	17°45	23°44	28° 1	29°21	11°11	n.a.	S 16
M17	13 16 47	20°30'36	3♓46	11°24	18° 0	1° 9	14° 8	0°43	12° 7	17°43	23°43	27°56	29°18	11°17	n.a.	M17
T 18	13 20 43	21°28'11	16°50	12°48	19°11	1°38	14°22	0°39	12°10	17°42	23°41	27°51	29°15	11°24	n.a.	T 18
W19	13 24 40	22°25'44	29°42	14° 9	20°23	2° 6	14°36	0°35	12°13	17°41	23°40	27°45	29°11	11°31	n.a.	W19
T 20	13 28 36	23°23'17	12♈20	15°26	21°34	2°34	14°50	0°31	12°17	17°39	23°38	27°39	29° 8	11°37	n.a.	T 20
F 21	13 32 33	24°20'48	24°45	16°40	22°46	3° 2	15° 4	0°27	12°20	17°38	23°37	27°34	29° 5	11°44	n.a.	F 21
S 22	13 36 29	25°18'18	6♉58	17°50	23°57	3°30	15°18	0°23	12°24	17°36	23°36	27°31	29° 2	11°51	n.a.	S 22
S 23	13 40 26	26°15'47	19° 1	18°56	25° 9	3°57	15°32	0°20	12°27	17°35	23°34	27°29	28°59	11°57	n.a.	S 23
M24	13 44 22	27°13'14	0♊56	19°58	26°21	4°24	15°46	0°16	12°30	17°33	23°33	27°D29	28°56	12° 4	n.a.	M24
T 25	13 48 19	28°10'41	12°45	20°57	27°32	4°50	16° 0	0°12	12°34	17°32	23°32	27°30	28°52	12°11	n.a.	T 25
W26	13 52 16	29° 8'06	24°32	21°52	28°44	5°16	16°14	0° 8	12°37	17°30	23°30	27°31	28°49	12°17	n.a.	W26
T 27	13 56 12	0♉ 5'30	6♋22	22°42	29°56	5°42	16°28	0° 5	12°41	17°29	23°29	27°33	28°46	12°24	n.a.	T 27
F 28	14 0 9	1° 2'52	18°18	23°29	1♈ 8	6° 8	16°42	0° 1	12°44	17°27	23°28	27°34	28°43	12°31	n.a.	F 28
S 29	14 4 5	2° 0'14	0♌26	24°11	2°19	6°33	16°56	29♍58	12°48	17°26	23°27	27°R35	28°40	12°37	n.a.	S 29
S 30	14 8 2	2♉57'34	12♌50	24♉49	3♈31	6♑58	17♈10	29♍54	12♉51	17♏24	23♍25	27♉35	28♉37	12♊44	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 3	25n57	4n 7	5n14	0n28	13s10	1s16	24s 8	0s34	3n10	1s 5	1n52	2n52	15n11	0s14	15s46	1n44	18n30	17n42	20n10	20n27	23n 0		n.a.
S 2	2 27	23 52	4 41	6 14	0 39	12 46	1 18	24 12	0 36	3 15	1 5	1 53	2 52	15 12	0 14	15 46	1 44	18 31	17 41	20 9	20 26	23 2		n.a.
M 3	2 50	20 34	5 1	7 13	0 50	12 23	1 20	24 15	0 38	3 21	1 5	1 55	2 52	15 13	0 14	15 46	1 44	18 31	17 41	20 8	20 26	23 4		n.a.
T 4	3 13	16 10	5 7	8 11	1 0	11 59	1 22	24 19	0 40	3 27	1 5	1 57	2 52	15 14	0 14	15 45	1 44	18 32	17 41	20 6	20 25	23 6		n.a.
W 5	3 36	10 50	4 56	9 8	1 10	11 34	1 24	24 22	0 43	3 32	1 5	1 59	2 51	15 15	0 14	15 45	1 44	18 33	17 41	20 5	20 24	23 8		n.a.
T 6	3 59	4 49	4 27	10 3	1 20	11 10	1 26	24 26	0 45	3 38	1 4	2 1	2 51	15 16	0 14	15 45	1 44	18 33	17 41	20 3	20 24	23 9		n.a.
F 7	4 22	1s34	3 41	10 56	1 29	10 45	1 28	24 29	0 47	3 44	1 4	2 2	2 51	15 17	0 14	15 44	1 44	18 34	17 41	20 1	20 23	23 11		n.a.
S 8	4 45	8 0	2 40	11 47	1 38	10 19	1 29	24 32	0 50	3 49	1 4	2 4	2 51	15 18	0 14	15 44	1 44	18 34	17 40	20 0	20 22	23 13		n.a.
S 9	5 8	14 4	1 29	12 36	1 46	9 54	1 31	24 35	0 52	3 55	1 4	2 6	2 51	15 19	0 14	15 44	1 44	18 34	17 40	19 59	20 21	23 15		n.a.
M10	5 30	19 21	0 11	13 23	1 54	9 28	1 32	24 38	0 54	4 1	1 4	2 7	2 51	15 20	0 14	15 43	1 44	18 35	17 40	19 59	20 21	23 17		n.a.
T 11	5 53	23 27	1s 8	14 8	2 1	9 2	1 33	24 41	0 57	4 6	1 4	2 9	2 51	15 21	0 14	15 43	1 44	18 35	17 40	19 59	20 20	23 19		n.a.
W12	6 16	26 0	2 21	14 51	2 7	8 35	1 35	24 44	0 59	4 12	1 4	2 11	2 51	15 22	0 14	15 42	1 44	18 36	17 40	20 0	20 19	23 20		n.a.
T 13	6 38	26 50	3 25	15 31	2 13	8 9	1 36	24 47	1 2	4 17	1 4	2 12	2 51	15 23	0 14	15 42	1 44	18 36	17 39	20 0	20 19	23 22		n.a.
F 14	7 0	25 55	4 15	16 9	2 18	7 42	1 37	24 50	1 4	4 23	1 4	2 14	2 51	15 24	0 14	15 42	1 44	18 37	17 39	20 0	20 18	23 24		n.a.
S 15	7 23	23 27	4 50	16 44	2 22	7 15	1 38	24 52	1 7	4 29	1 4	2 16	2 51	15 25	0 14	15 41	1 44	18 37	17 39	20 0	20 17	23 26		n.a.
S 16	7 45	19 43	5 8	17 17	2 25	6 48	1 39	24 55	1 10	4 34	1 4	2 17	2 51	15 26	0 14	15 41	1 44	18 37	17 39	19 59	20 17	23 28		n.a.
M17	8 7	15 3	5 9	17 48	2 28	6 20	1 40	24 57	1 12	4 40	1 4	2 19	2 51	15 27	0 14	15 40	1 44	18 38	17 38	19 58	20 16	23 29		n.a.
T 18	8 29	9 46	4 54	18 16	2 30	5 52	1 41	25 0	1 15	4 45	1 4	2 20	2 51	15 28	0 14	15 40	1 44	18 38	17 38	19 56	20 15	23 31		n.a.
W19	8 50	4 9	4 24	18 42	2 31	5 25	1 41	25 2	1 18	4 51	1 4	2 22	2 50	15 29	0 14	15 40	1 44	18 38	17 38	19 55	20 15	23 33		n.a.
T 20	9 12	1n32	3 42	19 5	2 31	4 57	1 42	25 4	1 21	4 56	1 4	2 23	2 50	15 30	0 14	15 39	1 44	18 39	17 37	19 54	20 14	23 35		n.a.
F 21	9 34	7 5	2 49	19 26	2 30	4 28	1 42	25 7	1 23	5 2	1 4	2 25	2 50	15 31	0 14	15 39	1 44	18 39	17 37	19 53	20 13	23 37		n.a.
S 22	9 55	12 17	1 50	19 45	2 29	4 0	1 43	25 9	1 26	5 7	1 4	2 26	2 50	15 32	0 14	15 38	1 44	18 39	17 37	19 52	20 12	23 38		n.a.
S 23	10 16	16 58	0 46	20 1	2 26	3 32	1 43	25 11	1 29	5 13	1 4	2 28	2 50	15 33	0 14	15 38	1 44	18 39	17 36	19 52	20 12	23 40		n.a.
M24	10 37	20 55	0n19	20 15	2 23	3 3	1 44	25 13	1 32	5 18	1 4	2 29	2 50	15 34	0 14	15 37	1 44	18 40	17 36	19 51	20 11	23 42		n.a.
T 25	10 58	24 0	1 23	20 27	2 19	2 35	1 44	25 15	1 35	5 24	1 4	2 30	2 50	15 36	0 14	15 37	1 44	18 40	17 36	19 52	20 10	23 44		n.a.
W26	11 19	26 2	2 23	20 37	2 14	2 6	1 44	25 17	1 38	5 29	1 4	2 32	2 49	15 37	0 14	15 37	1 44	18 40	17 35	19 52	20 10	23 45		n.a.
T 27	11 39	26 53	3 18	20 45	2 8	1 37	1 44	25 19	1 42	5 35	1 4	2 33	2 49	15 38	0 14	15 36	1 45	18 40	17 35	19 52	20 9	23 47		n.a.
F 28	11 59	26 31	4 4	20 50	2 1	1 8	1 44	25 21	1 45	5 40	1 4	2 34	2 49	15 39	0 14	15 36	1 45	18 40	17 35	19 53	20 8	23 49		n.a.
S 29	12 20	24 53	4 40	20 53	1 53	0 39	1 44	25 23	1 48	5 45	1 4	2 36	2 49	15 40	0 14	15 35	1 45	18 40	17 34	19 53	20 8	23 51		n.a.
S 30	12n40	22n 2	5n 5	20n55	1n44	0s10	1s44	25s25	1s51	5n51	1s 4	2n37	2n49	15n41	0s14	15s35	1n45	18n41	17n34	19n53	20n 7	23n52		n.a.

Julian Day Number = 1541810.5, Delta T = 04h37m08s
Ecliptic obliquity = 23°45'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'51, Lahiri = -10°44'51 Julian Calendar 1 Apr. 492 BCE == Greg. Calendar 27 March 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

MAY 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 11 58	3♉54'52	25♌35	25♉23	4♈43	7♑22	17♈23	29°R51	12♉55	17°R23	23°R24	27°R33	28♉33	12♊51	n.a.	M 1
T 2	14 15 55	4°52'10	8♍44	25°52	5°55	7°46	17°37	29♍48	12°58	17♏21	23♍23	27♉31	28°30	12°57	n.a.	T 2
W 3	14 19 51	5°49'26	22°19	26°17	7° 7	8°10	17°51	29°45	13° 2	17°19	23°22	27°28	28°27	13° 4	n.a.	W 3
T 4	14 23 48	6°46'41	6♎20	26°38	8°19	8°33	18° 5	29°41	13° 5	17°18	23°21	27°25	28°24	13°10	n.a.	T 4
F 5	14 27 45	7°43'56	20°45	26°54	9°31	8°56	18°18	29°38	13° 9	17°16	23°20	27°23	28°21	13°17	n.a.	F 5
S 6	14 31 41	8°41'09	5♏29	27° 5	10°43	9°19	18°32	29°35	13°12	17°15	23°19	27°21	28°17	13°24	n.a.	S 6
S 7	14 35 38	9°38'22	20°24	27°12	11°55	9°41	18°46	29°32	13°16	17°13	23°18	27°D20	28°14	13°30	n.a.	S 7
M 8	14 39 34	10°35'34	5♐23	27°R14	13° 7	10° 2	18°59	29°30	13°19	17°12	23°16	27°20	28°11	13°37	n.a.	M 8
T 9	14 43 31	11°32'45	20°17	27°11	14°19	10°24	19°13	29°27	13°23	17°10	23°16	27°21	28° 8	13°44	n.a.	T 9
W10	14 47 27	12°29'57	5♑ 1	27° 4	15°31	10°45	19°27	29°24	13°27	17° 8	23°15	27°22	28° 5	13°50	n.a.	W10
T 11	14 51 24	13°27'07	19°27	26°53	16°43	11° 5	19°40	29°22	13°30	17° 7	23°14	27°23	28° 2	13°57	n.a.	T 11
F 12	14 55 20	14°24'18	3♒34	26°38	17°55	11°25	19°53	29°19	13°34	17° 5	23°13	27°24	27°58	14° 4	n.a.	F 12
S 13	14 59 17	15°21'28	17°21	26°19	19° 7	11°44	20° 7	29°17	13°37	17° 3	23°12	27°R24	27°55	14°10	n.a.	S 13
S 14	15 3 14	16°18'38	0♓46	25°57	20°19	12° 3	20°20	29°14	13°41	17° 2	23°11	27°23	27°52	14°17	n.a.	S 14
M15	15 7 10	17°15'47	13°52	25°31	21°32	12°21	20°34	29°12	13°44	17° 0	23°10	27°23	27°49	14°24	n.a.	M15
T 16	15 11 7	18°12'56	26°41	25° 3	22°44	12°39	20°47	29°10	13°48	16°59	23° 9	27°22	27°46	14°30	n.a.	T 16
W17	15 15 3	19°10'05	9♈15	24°32	23°56	12°56	21° 0	29° 8	13°51	16°57	23° 9	27°20	27°43	14°37	n.a.	W17
T 18	15 19 0	20° 7'14	21°36	24° 0	25° 9	13°13	21°13	29° 6	13°55	16°55	23° 8	27°19	27°39	14°44	n.a.	T 18
F 19	15 22 56	21° 4'23	3♉46	23°26	26°21	13°29	21°27	29° 4	13°58	16°54	23° 7	27°19	27°36	14°50	n.a.	F 19
S 20	15 26 53	22° 1'31	15°47	22°51	27°33	13°44	21°40	29° 2	14° 2	16°52	23° 7	27°18	27°33	14°57	n.a.	S 20
S 21	15 30 49	22°58'39	27°41	22°17	28°46	13°59	21°53	29° 0	14° 5	16°51	23° 6	27°D18	27°30	15° 4	n.a.	S 21
M22	15 34 46	23°55'47	9♊31	21°43	29°58	14°14	22° 6	28°58	14° 9	16°49	23° 5	27°18	27°27	15°10	n.a.	M22
T 23	15 38 43	24°52'55	21°18	21°10	1♉11	14°27	22°19	28°57	14°12	16°47	23° 5	27°18	27°23	15°17	n.a.	T 23
W24	15 42 39	25°50'02	3♋ 6	20°38	2°23	14°40	22°32	28°55	14°16	16°46	23° 4	27°19	27°20	15°24	n.a.	W24
T 25	15 46 36	26°47'09	14°57	20° 9	3°36	14°53	22°44	28°54	14°19	16°44	23° 4	27°19	27°17	15°30	n.a.	T 25
F 26	15 50 32	27°44'16	26°55	19°42	4°48	15° 4	22°57	28°53	14°23	16°43	23° 3	27°R19	27°14	15°37	n.a.	F 26
S 27	15 54 29	28°41'22	9♌ 4	19°19	6° 1	15°16	23°10	28°51	14°26	16°41	23° 3	27°19	27°11	15°43	n.a.	S 27
S 28	15 58 25	29°38'28	21°27	18°59	7°13	15°26	23°23	28°50	14°30	16°39	23° 2	27°19	27° 8	15°50	n.a.	S 28
M29	16 2 22	0♊35'34	4♍ 9	18°43	8°26	15°36	23°35	28°49	14°33	16°38	23° 2	27°D19	27° 4	15°57	n.a.	M29
T 30	16 6 19	1°32'39	17°13	18°31	9°39	15°45	23°48	28°48	14°37	16°36	23° 2	27°19	27° 1	16° 3	n.a.	T 30
W31	16 10 15	2♊29'44	0♎43	18♉24	10♉51	15♑53	24♈ 0	28♍47	14♉40	16♏35	23♍ 1	27♉19	26♉58	16♊10	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	12n59	18n 5	5n15	20n54	1n35	0n19	1s44	25s27	1s55	5n56	1s 4	2n38	2n49	15n42	0s14	15s34	1n45	18n41	17n34	19n52	20n 6	23n54			n.a.
T 2	13 19	13 10	5 9	20 51	1 24	0 48	1 43	25 29	1 58	6 2	1 4	2 39	2 49	15 43	0 14	15 34	1 45	18 41	17 33	19 52	20 5	23 56			n.a.
W 3	13 38	7 27	4 46	20 46	1 13	1 17	1 43	25 31	2 1	6 7	1 4	2 40	2 48	15 44	0 14	15 33	1 45	18 41	17 33	19 51	20 5	23 57			n.a.
T 4	13 57	1 12	4 5	20 39	1 1	1 46	1 42	25 33	2 5	6 12	1 4	2 41	2 48	15 45	0 14	15 33	1 45	18 41	17 32	19 51	20 4	23 59			n.a.
F 5	14 16	5s18	3 9	20 30	0 48	2 16	1 42	25 35	2 8	6 17	1 4	2 42	2 48	15 46	0 14	15 33	1 45	18 41	17 32	19 50	20 3	24 1			n.a.
S 6	14 35	11 40	1 58	20 20	0 35	2 45	1 41	25 37	2 12	6 23	1 4	2 43	2 48	15 47	0 14	15 32	1 45	18 41	17 31	19 50	20 3	24 3			n.a.
S 7	14 54	17 28	0 38	20 7	0 21	3 14	1 41	25 39	2 15	6 28	1 4	2 44	2 48	15 49	0 14	15 32	1 45	18 41	17 31	19 49	20 2	24 4			n.a.
M 8	15 12	22 13	0s44	19 53	0 6	3 43	1 40	25 41	2 19	6 33	1 4	2 45	2 47	15 50	0 14	15 31	1 45	18 41	17 31	19 49	20 1	24 6			n.a.
T 9	15 30	25 27	2 4	19 38	0s10	4 12	1 39	25 43	2 23	6 38	1 4	2 46	2 47	15 51	0 14	15 31	1 45	18 41	17 30	19 50	20 0	24 8			n.a.
W10	15 48	26 53	3 14	19 21	0 26	4 41	1 38	25 45	2 26	6 44	1 4	2 47	2 47	15 52	0 14	15 30	1 45	18 41	17 30	19 50	20 0	24 9			n.a.
T 11	16 5	26 27	4 10	19 2	0 42	5 10	1 37	25 47	2 30	6 49	1 4	2 48	2 47	15 53	0 14	15 30	1 45	18 41	17 29	19 50	19 59	24 11			n.a.
F 12	16 22	24 18	4 50	18 43	0 59	5 38	1 36	25 49	2 34	6 54	1 4	2 49	2 47	15 54	0 14	15 29	1 45	18 41	17 29	19 50	19 58	24 13			n.a.
S 13	16 39	20 47	5 12	18 22	1 16	6 7	1 35	25 51	2 38	6 59	1 4	2 50	2 46	15 55	0 14	15 29	1 45	18 41	17 28	19 50	19 57	24 14			n.a.
S 14	16 56	16 16	5 16	18 0	1 32	6 36	1 34	25 53	2 42	7 4	1 4	2 51	2 46	15 56	0 14	15 28	1 45	18 41	17 28	19 50	19 57	24 16			n.a.
M15	17 13	11 5	5 4	17 38	1 49	7 4	1 33	25 56	2 46	7 9	1 4	2 51	2 46	15 57	0 14	15 28	1 45	18 41	17 27	19 50	19 56	24 17			n.a.
T 16	17 29	5 33	4 36	17 15	2 6	7 33	1 31	25 58	2 50	7 14	1 4	2 52	2 46	15 58	0 14	15 28	1 45	18 40	17 27	19 50	19 55	24 19			n.a.
W17	17 45	0n 6	3 56	16 52	2 22	8 1	1 30	26 0	2 54	7 19	1 4	2 53	2 46	15 59	0 14	15 27	1 45	18 40	17 26	19 50	19 55	24 21			n.a.
T 18	18 0	5 40	3 5	16 29	2 37	8 29	1 29	26 3	2 58	7 24	1 4	2 53	2 45	16 0	0 14	15 27	1 45	18 40	17 26	19 49	19 54	24 22			n.a.
F 19	18 16	10 57	2 7	16 6	2 52	8 57	1 27	26 5	3 2	7 29	1 4	2 54	2 45	16 1	0 14	15 26	1 45	18 40	17 25	19 49	19 53	24 24			n.a.
S 20	18 31	15 46	1 4	15 44	3 6	9 24	1 26	26 8	3 7	7 34	1 4	2 54	2 45	16 3	0 14	15 26	1 45	18 40	17 25	19 49	19 52	24 26			n.a.
S 21	18 46	19 56	0n 2	15 23	3 19	9 52	1 24	26 10	3 11	7 39	1 4	2 55	2 45	16 4	0 14	15 25	1 44	18 40	17 24	19 49	19 52	24 27			n.a.
M22	19 0	23 17	1 7	15 3	3 30	10 19	1 23	26 13	3 15	7 44	1 4	2 55	2 44	16 5	0 14	15 25	1 44	18 39	17 24	19 49	19 51	24 29			n.a.
T 23	19 14	25 37	2 9	14 44	3 41	10 46	1 21	26 16	3 20	7 49	1 4	2 56	2 44	16 6	0 14	15 24	1 44	18 39	17 23	19 49	19 50	24 30			n.a.
W24	19 28	26 49	3 6	14 27	3 50	11 13	1 19	26 19	3 24	7 53	1 4	2 56	2 44	16 7	0 14	15 24	1 44	18 39	17 23	19 49	19 49	24 32			n.a.
T 25	19 42	26 48	3 55	14 11	3 58	11 40	1 18	26 22	3 28	7 58	1 4	2 56	2 44	16 8	0 14	15 24	1 44	18 39	17 22	19 49	19 49	24 33			n.a.
F 26	19 55	25 32	4 34	13 58	4 5	12 6	1 16	26 25	3 33	8 3	1 4	2 57	2 43	16 9	0 14	15 23	1 44	18 38	17 22	19 49	19 48	24 35			n.a.
S 27	20 8	23 4	5 2	13 46	4 10	12 32	1 14	26 28	3 37	8 8	1 4	2 57	2 43	16 10	0 14	15 23	1 44	18 38	17 21	19 49	19 47	24 37			n.a.
S 28	20 20	19 31	5 16	13 37	4 14	12 58	1 12	26 31	3 42	8 12	1 4	2 57	2 43	16 11	0 14	15 22	1 44	18 38	17 20	19 49	19 47	24 38			n.a.
M29	20 33	15 0	5 15	13 31	4 16	13 24	1 10	26 35	3 46	8 17	1 4	2 57	2 43	16 12	0 14	15 22	1 44	18 37	17 20	19 49	19 46	24 40			n.a.
T 30	20 45	9 41	4 59	13 27	4 17	13 49	1 8	26 38	3 51	8 22	1 4	2 58	2 42	16 13	0 14	15 21	1 44	18 37	17 19	19 49	19 45	24 41			n.a.
W31	20n56	3n46	4n25	13n25	4s17	14n14	1s 6	26s42	3s56	8n26	1s 4	2n58	2n42	16n14	0s14	15s21	1n44	18n36	17n19	19n49	19n44	24n43			n.a.

Julian Day Number = 1541840.5, Delta T = 04h37m07s
Ecliptic obliquity = 23°45'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'47, Lahiri = -10°44'47 Julian Calendar 1 May 492 BCE == Greg. Calendar 26 Apr. 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

JUNE 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 14 12	3♊26'49	14♎39	18°D21	12♉ 4	16♑ 1	24♈13	28°R47	14♉43	16°R33	23°R 1	27♉20	26♉55	16♊17	n.a.	T 1
F 2	16 18 8	4°23'53	29° 0	18♉23	13°17	16° 8	24°25	28♍46	14°47	16♏32	23♍ 1	27°20	26°52	16°23	n.a.	F 2
S 3	16 22 5	5°20'58	13♏45	18°30	14°29	16°14	24°37	28°45	14°50	16°30	23° 1	27°21	26°48	16°30	n.a.	S 3
S 4	16 26 1	6°18'03	28°47	18°42	15°42	16°20	24°50	28°45	14°54	16°29	23° 0	27°R21	26°45	16°37	n.a.	S 4
M 5	16 29 58	7°15'08	13♐58	19° 0	16°55	16°24	25° 2	28°45	14°57	16°27	23° 0	27°20	26°42	16°43	n.a.	M 5
T 6	16 33 54	8°12'13	29° 8	19°22	18° 8	16°28	25°14	28°44	15° 0	16°26	23° 0	27°20	26°39	16°50	n.a.	T 6
W 7	16 37 51	9° 9'19	14♑ 9	19°50	19°21	16°32	25°26	28°44	15° 4	16°24	23° 0	27°19	26°36	16°57	n.a.	W 7
T 8	16 41 48	10° 6'25	28°52	20°23	20°33	16°34	25°38	28°D44	15° 7	16°23	23° 0	27°17	26°33	17° 3	n.a.	T 8
F 9	16 45 44	11° 3'32	13♒12	21° 1	21°46	16°36	25°50	28°44	15°10	16°21	23°D 0	27°16	26°29	17°10	n.a.	F 9
S 10	16 49 41	12° 0'39	27° 6	21°43	22°59	16°37	26° 1	28°44	15°13	16°20	23° 0	27°15	26°26	17°17	n.a.	S 10
S 11	16 53 37	12°57'47	10♓34	22°31	24°12	16°R37	26°13	28°45	15°17	16°19	23° 0	27°D14	26°23	17°23	n.a.	S 11
M12	16 57 34	13°54'56	23°37	23°24	25°25	16°36	26°25	28°45	15°20	16°17	23° 0	27°14	26°20	17°30	n.a.	M12
T 13	17 1 30	14°52'06	6♈18	24°22	26°38	16°35	26°36	28°45	15°23	16°16	23° 0	27°15	26°17	17°37	n.a.	T 13
W14	17 5 27	15°49'16	18°42	25°25	27°52	16°33	26°48	28°46	15°26	16°14	23° 0	27°17	26°14	17°43	n.a.	W14
T 15	17 9 24	16°46'27	0♉52	26°32	29° 5	16°30	26°59	28°46	15°29	16°13	23° 1	27°18	26°10	17°50	n.a.	T 15
F 16	17 13 20	17°43'38	12°52	27°44	0♊18	16°26	27°10	28°47	15°33	16°12	23° 1	27°19	26° 7	17°57	n.a.	F 16
S 17	17 17 17	18°40'51	24°44	29° 1	1°31	16°21	27°22	28°48	15°36	16°10	23° 1	27°R20	26° 4	18° 3	n.a.	S 17
S 18	17 21 13	19°38'04	6♊33	0♊22	2°44	16°16	27°33	28°49	15°39	16° 9	23° 1	27°20	26° 1	18°10	n.a.	S 18
M19	17 25 10	20°35'18	18°20	1°48	3°57	16°10	27°44	28°50	15°42	16° 8	23° 2	27°18	25°58	18°17	n.a.	M19
T 20	17 29 6	21°32'33	0♋ 9	3°18	5°11	16° 3	27°55	28°51	15°45	16° 7	23° 2	27°16	25°55	18°23	n.a.	T 20
W21	17 33 3	22°29'49	12° 0	4°52	6°24	15°56	28° 5	28°52	15°48	16° 5	23° 2	27°12	25°51	18°30	n.a.	W21
T 22	17 36 59	23°27'05	23°57	6°30	7°37	15°47	28°16	28°53	15°51	16° 4	23° 3	27° 8	25°48	18°37	n.a.	T 22
F 23	17 40 56	24°24'22	6♌ 1	8°11	8°51	15°39	28°27	28°55	15°54	16° 3	23° 3	27° 3	25°45	18°43	n.a.	F 23
S 24	17 44 53	25°21'39	18°15	9°57	10° 4	15°29	28°37	28°56	15°57	16° 2	23° 4	26°59	25°42	18°50	n.a.	S 24
S 25	17 48 49	26°18'57	0♍41	11°45	11°17	15°19	28°48	28°58	16° 0	16° 1	23° 4	26°56	25°39	18°56	n.a.	S 25
M26	17 52 46	27°16'16	13°23	13°37	12°31	15° 8	28°58	28°59	16° 2	16° 0	23° 5	26°54	25°35	19° 3	n.a.	M26
T 27	17 56 42	28°13'35	26°24	15°32	13°44	14°56	29° 8	29° 1	16° 5	15°58	23° 6	26°D53	25°32	19°10	n.a.	T 27
W28	18 0 39	29°10'55	9♎46	17°28	14°58	14°44	29°18	29° 3	16° 8	15°57	23° 6	26°53	25°29	19°16	n.a.	W28
T 29	18 4 35	0♋ 8'16	23°32	19°27	16°11	14°32	29°28	29° 5	16°11	15°56	23° 7	26°54	25°26	19°23	n.a.	T 29
F 30	18 8 32	1♋ 5'38	7♏42	21♊28	17♊25	14♑19	29♈38	29♍ 7	16♉14	15♏55	23♍ 8	26♉56	25♉23	19♊30	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 7	2s32	3n36	13n26	4s15	14n39	1s 4	26s45	4s 0	8n31	1s 4	2n58	2n42	16n15	0s14	15s21	1n44	18n36	17n18	19n49	19n44	24n44		n.a.
F 2	21 18	8 55	2 31	13 29	4 12	15 3	1 2	26 49	4 5	8 35	1 4	2 58	2 42	16 16	0 14	15 20	1 44	18 36	17 18	19 49	19 43	24 46		n.a.
S 3	21 29	14 59	1 15	13 35	4 8	15 27	1 0	26 53	4 10	8 40	1 4	2 58	2 41	16 17	0 14	15 20	1 44	18 35	17 17	19 50	19 42	24 47		n.a.
S 4	21 39	20 17	0s 8	13 43	4 3	15 50	0 58	26 57	4 15	8 44	1 4	2 58	2 41	16 18	0 14	15 19	1 44	18 35	17 16	19 50	19 41	24 49		n.a.
M 5	21 49	24 17	1 31	13 54	3 57	16 14	0 55	27 1	4 19	8 49	1 4	2 58	2 41	16 19	0 14	15 19	1 44	18 34	17 16	19 50	19 41	24 50		n.a.
T 6	21 58	26 33	2 47	14 7	3 50	16 36	0 53	27 5	4 24	8 53	1 5	2 57	2 41	16 20	0 14	15 18	1 44	18 34	17 15	19 49	19 40	24 52		n.a.
W 7	22 7	26 50	3 51	14 22	3 42	16 59	0 51	27 10	4 29	8 58	1 5	2 57	2 40	16 21	0 14	15 18	1 44	18 33	17 15	19 49	19 39	24 53		n.a.
T 8	22 16	25 12	4 39	14 39	3 33	17 21	0 49	27 14	4 34	9 2	1 5	2 57	2 40	16 22	0 14	15 18	1 44	18 33	17 14	19 49	19 38	24 55		n.a.
F 9	22 24	21 58	5 7	14 58	3 24	17 42	0 46	27 19	4 38	9 6	1 5	2 57	2 40	16 23	0 14	15 17	1 44	18 32	17 14	19 48	19 38	24 56		n.a.
S 10	22 32	17 35	5 17	15 19	3 13	18 3	0 44	27 23	4 43	9 11	1 5	2 57	2 40	16 24	0 14	15 17	1 44	18 32	17 13	19 48	19 37	24 58		n.a.
S 11	22 39	12 27	5 8	15 42	3 3	18 24	0 42	27 28	4 48	9 15	1 5	2 56	2 39	16 25	0 14	15 17	1 44	18 31	17 12	19 48	19 36	24 59		n.a.
M12	22 46	6 54	4 44	16 7	2 51	18 44	0 39	27 33	4 53	9 19	1 5	2 56	2 39	16 26	0 14	15 16	1 44	18 31	17 12	19 48	19 35	25 1		n.a.
T 13	22 53	1 13	4 6	16 32	2 39	19 4	0 37	27 38	4 57	9 23	1 5	2 55	2 39	16 27	0 14	15 16	1 44	18 30	17 11	19 48	19 35	25 2		n.a.
W14	22 59	4n23	3 18	16 59	2 27	19 23	0 34	27 43	5 2	9 27	1 5	2 55	2 38	16 28	0 14	15 15	1 44	18 30	17 11	19 49	19 34	25 4		n.a.
T 15	23 5	9 44	2 21	17 27	2 14	19 42	0 32	27 48	5 7	9 31	1 5	2 54	2 38	16 29	0 14	15 15	1 44	18 29	17 10	19 49	19 33	25 5		n.a.
F 16	23 11	14 39	1 19	17 57	2 2	20 0	0 30	27 53	5 11	9 35	1 5	2 54	2 38	16 30	0 14	15 15	1 44	18 28	17 9	19 49	19 32	25 7		n.a.
S 17	23 16	18 58	0 14	18 26	1 49	20 18	0 27	27 58	5 16	9 39	1 5	2 53	2 38	16 31	0 14	15 14	1 44	18 28	17 9	19 49	19 32	25 8		n.a.
S 18	23 21	22 31	0n51	18 57	1 35	20 35	0 25	28 3	5 20	9 43	1 5	2 53	2 37	16 31	0 14	15 14	1 44	18 27	17 8	19 49	19 31	25 9		n.a.
M19	23 25	25 7	1 53	19 27	1 22	20 51	0 22	28 8	5 25	9 47	1 5	2 52	2 37	16 32	0 14	15 14	1 44	18 26	17 8	19 49	19 30	25 11		n.a.
T 20	23 29	26 36	2 51	19 58	1 9	21 7	0 20	28 13	5 29	9 51	1 5	2 51	2 37	16 33	0 14	15 13	1 44	18 26	17 7	19 48	19 29	25 12		n.a.
W21	23 32	26 53	3 41	20 29	0 55	21 23	0 17	28 19	5 34	9 55	1 6	2 51	2 37	16 34	0 14	15 13	1 44	18 25	17 7	19 48	19 29	25 14		n.a.
T 22	23 35	25 54	4 22	20 59	0 42	21 38	0 15	28 24	5 38	9 59	1 6	2 50	2 36	16 35	0 14	15 13	1 44	18 24	17 6	19 47	19 28	25 15		n.a.
F 23	23 38	23 44	4 52	21 29	0 29	21 52	0 12	28 29	5 42	10 2	1 6	2 49	2 36	16 36	0 14	15 13	1 44	18 24	17 5	19 46	19 27	25 16		n.a.
S 24	23 40	20 27	5 9	21 58	0 17	22 6	0 10	28 34	5 46	10 6	1 6	2 48	2 36	16 37	0 14	15 12	1 43	18 23	17 5	19 45	19 26	25 18		n.a.
S 25	23 42	16 14	5 12	22 25	0 4	22 19	0 7	28 39	5 50	10 10	1 6	2 47	2 36	16 38	0 14	15 12	1 43	18 22	17 4	19 44	19 25	25 19		n.a.
M26	23 44	11 13	5 0	22 52	0n 8	22 31	0 5	28 45	5 54	10 13	1 6	2 47	2 35	16 38	0 14	15 12	1 43	18 21	17 4	19 43	19 25	25 21		n.a.
T 27	23 45	5 37	4 33	23 16	0 19	22 43	0 2	28 50	5 58	10 17	1 6	2 46	2 35	16 39	0 14	15 11	1 43	18 21	17 3	19 43	19 24	25 22		n.a.
W28	23 45	0s24	3 50	23 39	0 30	22 54	0n 0	28 55	6 1	10 21	1 6	2 45	2 35	16 40	0 14	15 11	1 43	18 20	17 2	19 43	19 23	25 23		n.a.
T 29	23 45	6 35	2 52	24 0	0 40	23 4	0 3	29 0	6 5	10 24	1 6	2 44	2 35	16 41	0 14	15 11	1 43	18 19	17 2	19 43	19 22	25 25		n.a.
F 30	23n45	12s38	1n43	24n18	0n50	23n14	0n 5	29s 4	6s 8	10n28	1s 6	2n43	2n34	16n42	0s14	15s11	1n43	18n18	17n 1	19n44	19n22	25n26		n.a.

Julian Day Number = 1541871.5, Delta T = 04h37m05s
Ecliptic obliquity = 23°45'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'43, Lahiri = -10°44'43 Julian Calendar 1 June 492 BCE == Greg. Calendar 27 May 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

JULY 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 12 28	2♋ 3'00	22♏16	23♊30	18♊39	14°R 6	29♈48	29♍ 9	16♉16	15°R54	23♍ 8	26°R57	25♉20	19♊36	n.a.	S 1
S 2	18 16 25	3° 0'23	7♐10	25°34	19°52	13♑52	29°58	29°11	16°19	15♏53	23° 9	26♉56	25°16	19°43	n.a.	S 2
M 3	18 20 22	3°57'47	22°18	27°37	21° 6	13°38	0♉ 7	29°14	16°22	15°52	23°10	26°54	25°13	19°50	n.a.	M 3
T 4	18 24 18	4°55'13	7♑30	29°42	22°20	13°23	0°17	29°16	16°24	15°51	23°11	26°51	25°10	19°56	n.a.	T 4
W 5	18 28 15	5°52'39	22°37	1♋46	23°33	13° 8	0°26	29°18	16°27	15°51	23°12	26°46	25° 7	20° 3	n.a.	W 5
T 6	18 32 11	6°50'07	7♒30	3°51	24°47	12°53	0°35	29°21	16°29	15°50	23°12	26°40	25° 4	20°10	n.a.	T 6
F 7	18 36 8	7°47'36	22° 0	5°55	26° 1	12°38	0°45	29°24	16°32	15°49	23°13	26°34	25° 1	20°16	n.a.	F 7
S 8	18 40 4	8°45'07	6♓ 2	7°58	27°15	12°22	0°54	29°26	16°35	15°48	23°14	26°29	24°57	20°23	n.a.	S 8
S 9	18 44 1	9°42'39	19°36	10° 1	28°28	12° 6	1° 2	29°29	16°37	15°47	23°15	26°26	24°54	20°30	n.a.	S 9
M10	18 47 58	10°40'12	2♈42	12° 3	29°42	11°50	1°11	29°32	16°39	15°46	23°16	26°24	24°51	20°36	n.a.	M10
T 11	18 51 54	11°37'47	15°24	14° 4	0♋56	11°35	1°20	29°35	16°42	15°46	23°17	26°D24	24°48	20°43	n.a.	T 11
W12	18 55 51	12°35'24	27°45	16° 3	2°10	11°19	1°28	29°38	16°44	15°45	23°19	26°24	24°45	20°50	n.a.	W12
T 13	18 59 47	13°33'02	9♉50	18° 2	3°24	11° 3	1°37	29°41	16°46	15°44	23°20	26°26	24°41	20°56	n.a.	T 13
F 14	19 3 44	14°30'43	21°45	19°59	4°38	10°47	1°45	29°45	16°49	15°44	23°21	26°R27	24°38	21° 3	n.a.	F 14
S 15	19 7 40	15°28'25	3♊33	21°55	5°52	10°31	1°53	29°48	16°51	15°43	23°22	26°27	24°35	21°10	n.a.	S 15
S 16	19 11 37	16°26'08	15°20	23°49	7° 6	10°16	2° 1	29°51	16°53	15°42	23°23	26°25	24°32	21°16	n.a.	S 16
M17	19 15 33	17°23'53	27° 8	25°42	8°20	10° 1	2° 9	29°55	16°55	15°42	23°24	26°20	24°29	21°23	n.a.	M17
T 18	19 19 30	18°21'40	9♋ 1	27°34	9°34	9°46	2°16	29°59	16°57	15°41	23°26	26°14	24°26	21°30	n.a.	T 18
W19	19 23 27	19°19'29	20°59	29°25	10°49	9°31	2°24	0♎ 2	16°59	15°41	23°27	26° 5	24°22	21°36	n.a.	W19
T 20	19 27 23	20°17'18	3♌ 6	1♌14	12° 3	9°17	2°31	0° 6	17° 1	15°40	23°28	25°56	24°19	21°43	n.a.	T 20
F 21	19 31 20	21°15'10	15°21	3° 1	13°17	9° 3	2°39	0°10	17° 3	15°40	23°30	25°45	24°16	21°50	n.a.	F 21
S 22	19 35 16	22°13'03	27°47	4°48	14°31	8°49	2°46	0°14	17° 5	15°39	23°31	25°36	24°13	21°56	n.a.	S 22
S 23	19 39 13	23°10'57	10♍24	6°33	15°45	8°37	2°53	0°18	17° 7	15°39	23°33	25°27	24°10	22° 3	n.a.	S 23
M24	19 43 9	24° 8'53	23°13	8°16	17° 0	8°24	2°59	0°22	17° 9	15°39	23°34	25°21	24° 6	22°10	n.a.	M24
T 25	19 47 6	25° 6'50	6♎17	9°59	18°14	8°12	3° 6	0°26	17°11	15°38	23°35	25°17	24° 3	22°16	n.a.	T 25
W26	19 51 2	26° 4'49	19°37	11°40	19°28	8° 1	3°13	0°30	17°13	15°38	23°37	25°15	24° 0	22°23	n.a.	W26
T 27	19 54 59	27° 2'49	3♏15	13°19	20°43	7°50	3°19	0°34	17°14	15°38	23°38	25°D15	23°57	22°30	n.a.	T 27
F 28	19 58 56	28° 0'50	17°14	14°58	21°57	7°40	3°25	0°39	17°16	15°38	23°40	25°16	23°54	22°36	n.a.	F 28
S 29	20 2 52	28°58'54	1♐32	16°35	23°12	7°31	3°31	0°43	17°18	15°37	23°42	25°R16	23°51	22°43	n.a.	S 29
S 30	20 6 49	29°56'58	16° 8	18°11	24°26	7°22	3°37	0°48	17°19	15°37	23°43	25°14	23°47	22°50	n.a.	S 30
M31	20 10 45	0♌55'05	0♑59	19♌45	25♋41	7♑14	3♉43	0♎52	17♉21	15♏37	23♍45	25♉10	23♉44	22♊56	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	18s10	0n26	24n34	0n59	23n23	0n 8	29s 9	6s11	10n31	1s 6	2n42	2n34	16n43	0s14	15s10	1n43	18n17	17n 1	19n44	19n21	25n27		n.a.
S 2	23 43	22 42	0s56	24 48	1 7	23 32	0 10	29 14	6 14	10 34	1 7	2 40	2 34	16 43	0 14	15 10	1 43	18 16	17 0	19 44	19 20	25 29		n.a.
M 3	23 42	25 45	2 14	24 59	1 15	23 40	0 13	29 18	6 17	10 38	1 7	2 39	2 34	16 44	0 14	15 10	1 43	18 16	17 0	19 43	19 19	25 30		n.a.
T 4	23 40	26 55	3 23	25 7	1 21	23 47	0 15	29 22	6 20	10 41	1 7	2 38	2 33	16 45	0 14	15 10	1 43	18 15	16 59	19 43	19 19	25 31		n.a.
W 5	23 37	26 3	4 17	25 12	1 27	23 53	0 17	29 27	6 23	10 44	1 7	2 37	2 33	16 46	0 14	15 9	1 43	18 14	16 58	19 41	19 18	25 33		n.a.
T 6	23 35	23 21	4 53	25 14	1 32	23 59	0 20	29 30	6 25	10 47	1 7	2 36	2 33	16 46	0 14	15 9	1 43	18 13	16 58	19 40	19 17	25 34		n.a.
F 7	23 31	19 13	5 9	25 14	1 37	24 4	0 22	29 34	6 27	10 50	1 7	2 34	2 33	16 47	0 14	15 9	1 43	18 12	16 57	19 39	19 16	25 35		n.a.
S 8	23 28	14 8	5 6	25 11	1 40	24 8	0 24	29 38	6 29	10 53	1 7	2 33	2 32	16 48	0 14	15 9	1 43	18 11	16 57	19 38	19 15	25 37		n.a.
S 9	23 24	8 32	4 45	25 5	1 43	24 11	0 27	29 41	6 31	10 56	1 7	2 32	2 32	16 48	0 14	15 9	1 43	18 10	16 56	19 37	19 15	25 38		n.a.
M10	23 19	2 44	4 10	24 57	1 45	24 14	0 29	29 44	6 33	10 59	1 7	2 30	2 32	16 49	0 14	15 9	1 43	18 9	16 56	19 36	19 14	25 39		n.a.
T 11	23 14	3n 1	3 24	24 46	1 47	24 16	0 31	29 47	6 34	11 2	1 7	2 29	2 32	16 50	0 14	15 8	1 43	18 9	16 55	19 36	19 13	25 40		n.a.
W12	23 9	8 30	2 29	24 33	1 48	24 18	0 33	29 50	6 36	11 5	1 8	2 27	2 31	16 51	0 14	15 8	1 43	18 8	16 55	19 36	19 12	25 42		n.a.
T 13	23 3	13 33	1 29	24 18	1 48	24 18	0 36	29 53	6 37	11 8	1 8	2 26	2 31	16 51	0 14	15 8	1 43	18 7	16 54	19 37	19 12	25 43		n.a.
F 14	22 57	18 2	0 25	24 1	1 47	24 18	0 38	29 55	6 38	11 11	1 8	2 24	2 31	16 52	0 14	15 8	1 42	18 6	16 53	19 37	19 11	25 44		n.a.
S 15	22 51	21 46	0n38	23 42	1 46	24 17	0 40	29 57	6 38	11 13	1 8	2 23	2 31	16 52	0 14	15 8	1 42	18 5	16 53	19 37	19 10	25 46		n.a.
S 16	22 44	24 36	1 40	23 21	1 45	24 16	0 42	29 59	6 39	11 16	1 8	2 21	2 30	16 53	0 14	15 8	1 42	18 4	16 52	19 36	19 9	25 47		n.a.
M17	22 36	26 21	2 38	22 58	1 43	24 13	0 44	30 0	6 39	11 19	1 8	2 19	2 30	16 54	0 14	15 8	1 42	18 3	16 52	19 35	19 8	25 48		n.a.
T 18	22 29	26 55	3 28	22 33	1 40	24 10	0 46	30 2	6 39	11 21	1 8	2 18	2 30	16 54	0 14	15 7	1 42	18 2	16 51	19 34	19 8	25 49		n.a.
W19	22 21	26 13	4 10	22 8	1 37	24 6	0 48	30 3	6 39	11 24	1 8	2 16	2 30	16 55	0 14	15 7	1 42	18 1	16 51	19 32	19 7	25 50		n.a.
T 20	22 12	24 17	4 41	21 40	1 34	24 2	0 50	30 4	6 39	11 26	1 9	2 14	2 29	16 55	0 14	15 7	1 42	18 0	16 50	19 30	19 6	25 52		n.a.
F 21	22 3	21 13	5 0	21 12	1 30	23 57	0 52	30 4	6 39	11 29	1 9	2 13	2 29	16 56	0 14	15 7	1 42	17 59	16 50	19 27	19 5	25 53		n.a.
S 22	21 54	17 9	5 5	20 42	1 25	23 51	0 54	30 4	6 38	11 31	1 9	2 11	2 29	16 57	0 14	15 7	1 42	17 58	16 49	19 25	19 4	25 54		n.a.
S 23	21 44	12 18	4 55	20 11	1 21	23 44	0 56	30 5	6 37	11 33	1 9	2 9	2 29	16 57	0 14	15 7	1 42	17 57	16 49	19 23	19 4	25 55		n.a.
M24	21 34	6 51	4 30	19 39	1 16	23 36	0 57	30 4	6 36	11 35	1 9	2 7	2 29	16 58	0 14	15 7	1 42	17 56	16 48	19 21	19 3	25 56		n.a.
T 25	21 24	1 0	3 51	19 6	1 10	23 28	0 59	30 4	6 35	11 38	1 9	2 5	2 28	16 58	0 14	15 7	1 42	17 55	16 48	19 20	19 2	25 58		n.a.
W26	21 13	5s 2	2 58	18 33	1 5	23 19	1 1	30 3	6 34	11 40	1 9	2 3	2 28	16 59	0 14	15 7	1 42	17 54	16 47	19 20	19 1	25 59		n.a.
T 27	21 2	10 58	1 55	17 59	0 59	23 10	1 2	30 3	6 32	11 42	1 9	2 1	2 28	16 59	0 14	15 7	1 42	17 53	16 47	19 20	19 0	26 0		n.a.
F 28	20 50	16 31	0 43	17 24	0 52	22 59	1 4	30 2	6 31	11 44	1 10	2 0	2 28	17 0	0 14	15 7	1 42	17 52	16 46	19 20	19 0	26 1		n.a.
S 29	20 38	21 17	0s33	16 48	0 46	22 48	1 5	30 1	6 29	11 46	1 10	1 58	2 27	17 0	0 14	15 7	1 42	17 50	16 46	19 20	18 59	26 2		n.a.
S 30	20 26	24 50	1 49	16 12	0 39	22 37	1 7	29 59	6 27	11 48	1 10	1 56	2 27	17 1	0 14	15 7	1 42	17 49	16 45	19 20	18 58	26 3		n.a.
M31	20n13	26s43	2s58	15n36	0n32	22n24	1n 8	29s58	6s25	11n49	1s10	1n53	2n27	17n 1	0s14	15s 7	1n41	17n48	16n45	19n19	18n57	26n 5		n.a.

Julian Day Number = 1541901.5, Delta T = 04h37m04s
Ecliptic obliquity = 23°45'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'39, Lahiri = -10°44'39 Julian Calendar 1 July 492 BCE == Greg. Calendar 26 June 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

AUGUST 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 14 42	1♌53'13	15♉58	21♌18	26♋55	7°R 7	3♉48	0♎57	17♉22	15°R37	23♍47	25°R 4	23♉41	23♊ 3	n.a.	T 1
W 2	20 18 38	2°51'22	0♒56	22°50	28°10	7♉ 1	3°54	1° 2	17°24	15♏37	23°48	24♉55	23°38	23°10	n.a.	W 2
T 3	20 22 35	3°49'34	15°45	24°21	29°24	6°55	3°59	1° 6	17°25	15°D37	23°50	24°45	23°35	23°16	n.a.	T 3
F 4	20 26 31	4°47'47	0♓14	25°51	0♌39	6°50	4° 4	1°11	17°26	15°37	23°52	24°35	23°32	23°23	n.a.	F 4
S 5	20 30 28	5°46'03	14°20	27°19	1°53	6°46	4° 9	1°16	17°28	15°37	23°53	24°25	23°28	23°30	n.a.	S 5
S 6	20 34 25	6°44'20	27°57	28°46	3° 8	6°42	4°13	1°21	17°29	15°37	23°55	24°18	23°25	23°36	n.a.	S 6
M 7	20 38 21	7°42'40	11♈ 7	0♍12	4°22	6°40	4°18	1°26	17°30	15°37	23°57	24°13	23°22	23°43	n.a.	M 7
T 8	20 42 18	8°41'01	23°51	1°36	5°37	6°38	4°22	1°31	17°31	15°37	23°59	24°10	23°19	23°50	n.a.	T 8
W 9	20 46 14	9°39'25	6♉13	2°59	6°52	6°37	4°26	1°37	17°32	15°37	24° 1	24°D 9	23°16	23°56	n.a.	W 9
T 10	20 50 11	10°37'52	18°18	4°21	8° 6	6°D36	4°30	1°42	17°33	15°38	24° 3	24°R 9	23°12	24° 3	n.a.	T 10
F 11	20 54 7	11°36'20	0♊13	5°41	9°21	6°37	4°34	1°47	17°34	15°38	24° 5	24° 9	23° 9	24°10	n.a.	F 11
S 12	20 58 4	12°34'51	12° 1	7° 0	10°36	6°38	4°38	1°52	17°35	15°38	24° 6	24° 8	23° 6	24°16	n.a.	S 12
S 13	21 2 0	13°33'25	23°49	8°17	11°51	6°40	4°41	1°58	17°36	15°38	24° 8	24° 4	23° 3	24°23	n.a.	S 13
M14	21 5 57	14°32'00	5♋40	9°33	13° 6	6°43	4°45	2° 3	17°37	15°39	24°10	23°58	23° 0	24°30	n.a.	M14
T 15	21 9 53	15°30'38	17°38	10°47	14°20	6°47	4°48	2° 9	17°38	15°39	24°12	23°50	22°57	24°36	n.a.	T 15
W16	21 13 50	16°29'18	29°46	12° 0	15°35	6°51	4°50	2°14	17°39	15°40	24°14	23°38	22°53	24°43	n.a.	W16
T 17	21 17 47	17°28'00	12♌ 5	13°10	16°50	6°56	4°53	2°20	17°39	15°40	24°16	23°25	22°50	24°50	n.a.	T 17
F 18	21 21 43	18°26'44	24°36	14°19	18° 5	7° 2	4°56	2°26	17°40	15°40	24°18	23°11	22°47	24°56	n.a.	F 18
S 19	21 25 40	19°25'30	7♍18	15°26	19°20	7° 9	4°58	2°32	17°41	15°41	24°21	22°58	22°44	25° 3	n.a.	S 19
S 20	21 29 36	20°24'18	20°13	16°30	20°35	7°17	5° 0	2°37	17°41	15°41	24°23	22°47	22°41	25°10	n.a.	S 20
M21	21 33 33	21°23'08	3♎19	17°33	21°50	7°25	5° 2	2°43	17°42	15°42	24°25	22°38	22°38	25°16	n.a.	M21
T 22	21 37 29	22°22'00	16°36	18°33	23° 5	7°34	5° 4	2°49	17°42	15°43	24°27	22°32	22°34	25°23	n.a.	T 22
W23	21 41 26	23°20'54	0♏ 4	19°30	24°20	7°44	5° 5	2°55	17°42	15°43	24°29	22°29	22°31	25°30	n.a.	W23
T 24	21 45 22	24°19'49	13°44	20°25	25°34	7°54	5° 6	3° 1	17°43	15°44	24°31	22°28	22°28	25°36	n.a.	T 24
F 25	21 49 19	25°18'47	27°37	21°16	26°49	8° 6	5° 8	3° 7	17°43	15°45	24°33	22°28	22°25	25°43	n.a.	F 25
S 26	21 53 16	26°17'46	11♐43	22° 4	28° 4	8°17	5° 9	3°13	17°43	15°45	24°36	22°27	22°22	25°50	n.a.	S 26
S 27	21 57 12	27°16'48	26° 2	22°48	29°19	8°30	5° 9	3°19	17°43	15°46	24°38	22°25	22°18	25°56	n.a.	S 27
M28	22 1 9	28°15'51	10♑31	23°29	0♍34	8°43	5°10	3°25	17°44	15°47	24°40	22°21	22°15	26° 3	n.a.	M28
T 29	22 5 5	29°14'56	25° 6	24° 5	1°49	8°57	5°10	3°32	17°44	15°48	24°42	22°13	22°12	26°10	n.a.	T 29
W30	22 9 2	0♍14'03	9♒42	24°37	3° 5	9°12	5°R10	3°38	17°R44	15°48	24°44	22° 3	22° 9	26°16	n.a.	W30
T 31	22 12 58	1♍13'12	24♒11	25♍ 4	4♍20	9♑27	5♉10	3♎44	17♉44	15♏49	24♍47	21♉52	22♉ 6	26♊23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	20n 0	26s41	3s56	14n59	0n25	22n11	1n10	29s56	6s23	11n51	1s10	1n51	2n27	17n 1	0s14	15s 7	1n41	17n47	16n45	19n17	18n56	26n 6			n.a.
W 2	19 47	24 42	4 37	14 22	0 18	21 58	1 11	29 54	6 20	11 53	1 10	1 49	2 27	17 2	0 14	15 7	1 41	17 46	16 44	19 15	18 56	26 7			n.a.
T 3	19 33	21 4	4 59	13 44	0 10	21 43	1 12	29 52	6 18	11 55	1 10	1 47	2 26	17 2	0 14	15 7	1 41	17 45	16 44	19 12	18 55	26 8			n.a.
F 4	19 19	16 13	5 1	13 7	0 3	21 28	1 13	29 50	6 15	11 56	1 11	1 45	2 26	17 3	0 14	15 7	1 41	17 44	16 43	19 10	18 54	26 9			n.a.
S 5	19 5	10 37	4 45	12 29	0s 5	21 13	1 14	29 47	6 13	11 58	1 11	1 43	2 26	17 3	0 14	15 7	1 41	17 43	16 43	19 8	18 53	26 10			n.a.
S 6	18 50	4 40	4 12	11 51	0 13	20 56	1 16	29 45	6 10	11 59	1 11	1 41	2 26	17 3	0 14	15 7	1 41	17 42	16 42	19 6	18 52	26 11			n.a.
M 7	18 35	1n17	3 27	11 13	0 21	20 40	1 17	29 42	6 7	12 1	1 11	1 39	2 26	17 4	0 14	15 7	1 41	17 41	16 42	19 4	18 52	26 12			n.a.
T 8	18 20	7 0	2 34	10 35	0 29	20 22	1 18	29 39	6 4	12 2	1 11	1 36	2 25	17 4	0 14	15 8	1 41	17 40	16 42	19 4	18 51	26 13			n.a.
W 9	18 4	12 18	1 34	9 58	0 38	20 4	1 18	29 36	6 1	12 3	1 11	1 34	2 25	17 4	0 14	15 8	1 41	17 38	16 41	19 3	18 50	26 15			n.a.
T 10	17 48	17 1	0 31	9 20	0 46	19 45	1 19	29 33	5 58	12 4	1 11	1 32	2 25	17 5	0 14	15 8	1 41	17 37	16 41	19 3	18 49	26 16			n.a.
F 11	17 32	20 59	0n32	8 43	0 54	19 26	1 20	29 30	5 55	12 6	1 12	1 30	2 25	17 5	0 14	15 8	1 41	17 36	16 40	19 3	18 48	26 17			n.a.
S 12	17 15	24 4	1 33	8 5	1 3	19 6	1 21	29 27	5 52	12 7	1 12	1 27	2 25	17 5	0 14	15 8	1 41	17 35	16 40	19 3	18 48	26 18			n.a.
S 13	16 58	26 7	2 30	7 28	1 11	18 46	1 21	29 23	5 49	12 8	1 12	1 25	2 25	17 5	0 14	15 8	1 41	17 34	16 40	19 2	18 47	26 19			n.a.
M14	16 41	26 59	3 21	6 52	1 20	18 25	1 22	29 20	5 45	12 9	1 12	1 23	2 24	17 6	0 14	15 8	1 41	17 33	16 39	19 1	18 46	26 20			n.a.
T 15	16 24	26 35	4 3	6 16	1 28	18 4	1 23	29 16	5 42	12 10	1 12	1 20	2 24	17 6	0 14	15 8	1 40	17 32	16 39	18 59	18 45	26 21			n.a.
W16	16 6	24 56	4 35	5 40	1 36	17 42	1 23	29 13	5 39	12 10	1 12	1 18	2 24	17 6	0 14	15 9	1 40	17 31	16 39	18 56	18 44	26 22			n.a.
T 17	15 48	22 6	4 54	5 5	1 45	17 19	1 23	29 9	5 35	12 11	1 12	1 15	2 24	17 6	0 14	15 9	1 40	17 29	16 38	18 52	18 44	26 23			n.a.
F 18	15 30	18 12	5 0	4 31	1 53	16 56	1 24	29 5	5 32	12 12	1 13	1 13	2 24	17 6	0 14	15 9	1 40	17 28	16 38	18 49	18 43	26 24			n.a.
S 19	15 11	13 25	4 51	3 57	2 2	16 33	1 24	29 1	5 28	12 12	1 13	1 10	2 24	17 7	0 14	15 9	1 40	17 27	16 38	18 46	18 42	26 25			n.a.
S 20	14 53	8 0	4 27	3 24	2 10	16 9	1 24	28 57	5 25	12 13	1 13	1 8	2 23	17 7	0 14	15 9	1 40	17 26	16 37	18 43	18 41	26 26			n.a.
M21	14 34	2 9	3 48	2 52	2 18	15 45	1 24	28 53	5 21	12 14	1 13	1 5	2 23	17 7	0 14	15 10	1 40	17 25	16 37	18 40	18 40	26 27			n.a.
T 22	14 14	3s53	2 57	2 21	2 26	15 20	1 24	28 49	5 18	12 14	1 13	1 3	2 23	17 7	0 14	15 10	1 40	17 24	16 37	18 39	18 39	26 28			n.a.
W23	13 55	9 51	1 55	1 52	2 33	14 55	1 24	28 45	5 14	12 14	1 13	1 0	2 23	17 7	0 14	15 10	1 40	17 23	16 36	18 38	18 39	26 29			n.a.
T 24	13 35	15 26	0 46	1 23	2 41	14 29	1 24	28 41	5 10	12 15	1 13	0 58	2 23	17 7	0 14	15 10	1 40	17 22	16 36	18 38	18 38	26 30			n.a.
F 25	13 15	20 20	0s27	0 56	2 48	14 3	1 24	28 36	5 7	12 15	1 14	0 55	2 23	17 7	0 14	15 11	1 40	17 20	16 36	18 38	18 37	26 31			n.a.
S 26	12 55	24 8	1 40	0 31	2 55	13 37	1 24	28 32	5 3	12 15	1 14	0 53	2 23	17 7	0 14	15 11	1 40	17 19	16 36	18 38	18 36	26 32			n.a.
S 27	12 35	26 29	2 47	0 7	3 2	13 10	1 24	28 28	5 0	12 15	1 14	0 50	2 22	17 7	0 14	15 11	1 40	17 18	16 35	18 37	18 35	26 33			n.a.
M28	12 14	27 4	3 45	0s15	3 8	12 43	1 24	28 23	4 56	12 15	1 14	0 48	2 22	17 7	0 14	15 12	1 40	17 17	16 35	18 36	18 35	26 34			n.a.
T 29	11 53	25 47	4 28	0 35	3 14	12 15	1 23	28 19	4 52	12 15	1 14	0 45	2 22	17 7	0 14	15 12	1 40	17 16	16 35	18 34	18 34	26 35			n.a.
W30	11 32	22 46	4 54	0 53	3 19	11 48	1 23	28 14	4 49	12 15	1 14	0 42	2 22	17 7	0 14	15 12	1 40	17 15	16 34	18 31	18 33	26 36			n.a.
T 31	11n11	18s21	5s 0	1s 8	3s24	11n20	1n22	28s 9	4s45	12n15	1s14	0n40	2n22	17n 7	0s14	15s12	1n40	17n14	16n34	18n28	18n32	26n37			n.a.

Julian Day Number = 1541932.5, Delta T = 04h37m03s
Ecliptic obliquity = 23°45'22, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'35, Lahiri = -10°44'34 Julian Calendar 1 Aug. 492 BCE == Greg. Calendar 27 July 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

SEPTEMBER 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 16 55	2♍12'23	8♓26	25♍25	5♍35	9♑43	5°R10	3♎51	17°R43	15♏50	24♍49	21°R40	22♉ 3	26♊30	n.a.	F 1
S 2	22 20 51	3°11'37	22°22	25°41	6°50	10° 0	5♉ 9	3°57	17♉43	15°51	24°51	21♉29	21°59	26°36	n.a.	S 2
S 3	22 24 48	4°10'52	5♈55	25°50	8° 5	10°17	5° 9	4° 3	17°43	15°52	24°54	21°20	21°56	26°43	n.a.	S 3
M 4	22 28 45	5°10'10	19° 4	25°R52	9°20	10°34	5° 8	4°10	17°43	15°53	24°56	21°14	21°53	26°50	n.a.	M 4
T 5	22 32 41	6° 9'30	1♉48	25°47	10°35	10°52	5° 7	4°16	17°43	15°54	24°58	21°10	21°50	26°56	n.a.	T 5
W 6	22 36 38	7° 8'53	14°12	25°35	11°50	11°11	5° 6	4°23	17°42	15°55	25° 0	21° 9	21°47	27° 3	n.a.	W 6
T 7	22 40 34	8° 8'18	26°19	25°14	13° 5	11°30	5° 4	4°29	17°42	15°56	25° 3	21°D 8	21°44	27°10	n.a.	T 7
F 8	22 44 31	9° 7'46	8♊14	24°46	14°20	11°50	5° 2	4°36	17°41	15°57	25° 5	21°R 9	21°40	27°16	n.a.	F 8
S 9	22 48 27	10° 7'16	20° 4	24° 9	15°35	12°10	5° 1	4°43	17°41	15°59	25° 8	21° 8	21°37	27°23	n.a.	S 9
S 10	22 52 24	11° 6'48	1♋53	23°24	16°51	12°31	4°58	4°49	17°40	16° 0	25°10	21° 6	21°34	27°30	n.a.	S 10
M11	22 56 20	12° 6'23	13°47	22°32	18° 6	12°53	4°56	4°56	17°40	16° 1	25°12	21° 2	21°31	27°36	n.a.	M11
T 12	23 0 17	13° 6'00	25°50	21°32	19°21	13°14	4°54	5° 3	17°39	16° 2	25°15	20°54	21°28	27°43	n.a.	T 12
W13	23 4 13	14° 5'40	8♌ 5	20°26	20°36	13°37	4°51	5°10	17°38	16° 4	25°17	20°45	21°24	27°50	n.a.	W13
T 14	23 8 10	15° 5'22	20°35	19°16	21°51	14° 0	4°48	5°16	17°38	16° 5	25°19	20°34	21°21	27°56	n.a.	T 14
F 15	23 12 7	16° 5'05	3♍21	18° 3	23° 6	14°23	4°45	5°23	17°37	16° 6	25°22	20°22	21°18	28° 3	n.a.	F 15
S 16	23 16 3	17° 4'52	16°23	16°49	24°22	14°46	4°42	5°30	17°36	16° 8	25°24	20°11	21°15	28°10	n.a.	S 16
S 17	23 20 0	18° 4'40	29°39	15°36	25°37	15°11	4°38	5°37	17°35	16° 9	25°27	20° 1	21°12	28°16	n.a.	S 17
M18	23 23 56	19° 4'30	13♎ 8	14°26	26°52	15°35	4°35	5°44	17°34	16°10	25°29	19°53	21° 9	28°23	n.a.	M18
T 19	23 27 53	20° 4'22	26°48	13°22	28° 7	16° 0	4°31	5°51	17°33	16°12	25°31	19°48	21° 5	28°30	n.a.	T 19
W20	23 31 49	21° 4'16	10♏36	12°25	29°22	16°25	4°27	5°57	17°32	16°13	25°34	19°46	21° 2	28°36	n.a.	W20
T 21	23 35 46	22° 4'12	24°31	11°38	0♎38	16°51	4°23	6° 4	17°31	16°15	25°36	19°D46	20°59	28°43	n.a.	T 21
F 22	23 39 42	23° 4'10	8♐31	11° 0	1°53	17°17	4°18	6°11	17°30	16°16	25°39	19°46	20°56	28°50	n.a.	F 22
S 23	23 43 39	24° 4'10	22°36	10°33	3° 8	17°44	4°14	6°18	17°29	16°18	25°41	19°R47	20°53	28°56	n.a.	S 23
S 24	23 47 36	25° 4'11	6♑44	10°18	4°23	18°11	4° 9	6°25	17°27	16°19	25°44	19°46	20°49	29° 3	n.a.	S 24
M25	23 51 32	26° 4'14	20°56	10°D14	5°38	18°38	4° 4	6°32	17°26	16°21	25°46	19°44	20°46	29°10	n.a.	M25
T 26	23 55 29	27° 4'19	5♒ 7	10°22	6°54	19° 6	3°59	6°39	17°25	16°22	25°48	19°39	20°43	29°17	n.a.	T 26
W27	23 59 25	28° 4'25	19°15	10°40	8° 9	19°34	3°54	6°46	17°23	16°24	25°51	19°32	20°40	29°23	n.a.	W27
T 28	0 3 22	29° 4'33	3♓16	11° 8	9°24	20° 2	3°48	6°53	17°22	16°26	25°53	19°24	20°37	29°30	n.a.	T 28
F 29	0 7 18	0♎ 4'43	17° 7	11°45	10°39	20°31	3°43	7° 0	17°20	16°27	25°56	19°15	20°34	29°37	n.a.	F 29
S 30	0 11 15	1♎ 4'55	0♈42	12♍31	11♎54	21♑ 0	3♉37	7♎ 7	17♉19	16♏29	25♍58	19♉ 7	20♉30	29♊43	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n50	12s57	4s48	1s20	3s28	10n51	1n22	28s 4	4s41	12n15	1s15	0n37	2n22	17n 7	0s14	15s13	1n39	17n13	16n34	18n25	18n31	26n37		n.a.
S 2	10 28	7 1	4 19	1 29	3 31	10 22	1 21	28 0	4 38	12 15	1 15	0 34	2 22	17 7	0 14	15 13	1 39	17 11	16 34	18 22	18 30	26 38		n.a.
S 3	10 6	0 54	3 35	1 35	3 33	9 53	1 20	27 55	4 34	12 14	1 15	0 32	2 22	17 7	0 14	15 13	1 39	17 10	16 34	18 20	18 30	26 39		n.a.
M 4	9 44	5n 5	2 41	1 37	3 35	9 24	1 20	27 50	4 31	12 14	1 15	0 29	2 21	17 7	0 14	15 14	1 39	17 9	16 33	18 18	18 29	26 40		n.a.
T 5	9 22	10 41	1 41	1 35	3 35	8 55	1 19	27 45	4 27	12 13	1 15	0 26	2 21	17 7	0 14	15 14	1 39	17 8	16 33	18 17	18 28	26 41		n.a.
W 6	9 0	15 43	0 37	1 29	3 33	8 25	1 18	27 39	4 24	12 13	1 15	0 24	2 21	17 7	0 14	15 14	1 39	17 7	16 33	18 17	18 27	26 42		n.a.
T 7	8 38	20 2	0n27	1 18	3 31	7 55	1 17	27 34	4 20	12 12	1 15	0 21	2 21	17 7	0 14	15 15	1 39	17 6	16 33	18 17	18 26	26 43		n.a.
F 8	8 15	23 27	1 30	1 3	3 27	7 25	1 16	27 29	4 17	12 11	1 15	0 18	2 21	17 7	0 14	15 15	1 39	17 5	16 33	18 17	18 25	26 44		n.a.
S 9	7 52	25 50	2 27	0 43	3 21	6 54	1 15	27 23	4 13	12 11	1 16	0 15	2 21	17 7	0 14	15 16	1 39	17 4	16 33	18 17	18 25	26 45		n.a.
S 10	7 30	27 3	3 19	0 18	3 13	6 24	1 14	27 18	4 10	12 10	1 16	0 13	2 21	17 7	0 14	15 16	1 39	17 3	16 32	18 16	18 24	26 45		n.a.
M11	7 7	27 2	4 2	0n12	3 3	5 53	1 13	27 12	4 6	12 9	1 16	0 10	2 21	17 6	0 14	15 16	1 39	17 2	16 32	18 15	18 23	26 46		n.a.
T 12	6 44	25 45	4 35	0 47	2 52	5 22	1 11	27 7	4 3	12 8	1 16	0 7	2 21	17 6	0 14	15 17	1 39	17 1	16 32	18 13	18 22	26 47		n.a.
W13	6 20	23 14	4 55	1 25	2 38	4 51	1 10	27 1	3 59	12 7	1 16	0 4	2 21	17 6	0 14	15 17	1 39	16 59	16 32	18 11	18 21	26 48		n.a.
T 14	5 57	19 35	5 3	2 7	2 23	4 19	1 9	26 55	3 56	12 6	1 16	0 1	2 21	17 6	0 14	15 18	1 39	16 58	16 32	18 8	18 20	26 49		n.a.
F 15	5 34	14 59	4 55	2 52	2 5	3 48	1 7	26 49	3 53	12 5	1 16	0s 1	2 20	17 6	0 14	15 18	1 39	16 57	16 32	18 4	18 19	26 50		n.a.
S 16	5 10	9 37	4 32	3 38	1 47	3 17	1 6	26 43	3 49	12 4	1 16	0 4	2 20	17 5	0 14	15 19	1 39	16 56	16 32	18 1	18 19	26 50		n.a.
S 17	4 46	3 43	3 54	4 25	1 27	2 45	1 5	26 37	3 46	12 2	1 16	0 7	2 20	17 5	0 14	15 19	1 39	16 55	16 32	17 59	18 18	26 51		n.a.
M18	4 23	2s28	3 2	5 10	1 7	2 13	1 3	26 31	3 43	12 1	1 16	0 10	2 20	17 5	0 14	15 19	1 38	16 54	16 32	17 57	18 17	26 52		n.a.
T 19	3 59	8 37	2 0	5 54	0 47	1 42	1 1	26 25	3 39	12 0	1 17	0 13	2 20	17 4	0 14	15 20	1 38	16 53	16 31	17 55	18 16	26 53		n.a.
W20	3 35	14 26	0 49	6 35	0 26	1 10	1 0	26 18	3 36	11 58	1 17	0 15	2 20	17 4	0 14	15 20	1 38	16 52	16 31	17 55	18 15	26 53		n.a.
T 21	3 11	19 34	0s25	7 12	0 6	0 38	0 58	26 12	3 33	11 57	1 17	0 18	2 20	17 4	0 14	15 21	1 38	16 51	16 31	17 55	18 14	26 54		n.a.
F 22	2 47	23 38	1 39	7 44	0n13	0 6	0 56	26 5	3 30	11 55	1 17	0 21	2 20	17 4	0 14	15 21	1 38	16 50	16 31	17 55	18 14	26 55		n.a.
S 23	2 23	26 19	2 47	8 11	0 31	0s26	0 54	25 59	3 27	11 54	1 17	0 24	2 20	17 3	0 14	15 22	1 38	16 49	16 31	17 55	18 13	26 56		n.a.
S 24	1 59	27 19	3 45	8 32	0 47	0 58	0 53	25 52	3 24	11 52	1 17	0 27	2 20	17 3	0 14	15 22	1 38	16 48	16 31	17 55	18 12	26 57		n.a.
M25	1 35	26 32	4 29	8 47	1 2	1 30	0 51	25 45	3 21	11 50	1 17	0 30	2 20	17 2	0 14	15 23	1 38	16 47	16 31	17 54	18 11	26 57		n.a.
T 26	1 11	24 2	4 57	8 57	1 16	2 1	0 49	25 38	3 17	11 48	1 17	0 32	2 20	17 2	0 14	15 23	1 38	16 46	16 31	17 53	18 10	26 58		n.a.
W27	0 47	20 5	5 6	9 1	1 28	2 33	0 47	25 31	3 14	11 46	1 17	0 35	2 20	17 2	0 14	15 24	1 38	16 45	16 31	17 51	18 9	26 59		n.a.
T 28	0 22	15 3	4 58	8 59	1 38	3 5	0 45	25 24	3 11	11 45	1 17	0 38	2 20	17 1	0 14	15 24	1 38	16 44	16 31	17 49	18 8	26 59		n.a.
F 29	0s 2	9 18	4 31	8 53	1 46	3 37	0 43	25 16	3 8	11 43	1 17	0 41	2 20	17 1	0 14	15 25	1 38	16 43	16 31	17 46	18 8	27 0		n.a.
S 30	0s26	3s14	3s50	8n42	1n54	4s 9	0n41	25s 9	3s 5	11n41	1s17	0s44	2n20	17n 0	0s14	15s25	1n38	16n42	16n31	17n44	18n 7	27n 1		n.a.

Julian Day Number = 1541963.5, Delta T = 04h37m02s
Ecliptic obliquity = 23°45'23, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'31, Lahiri = -10°44'30 Julian Calendar 1 Sept. 492 BCE == Greg. Calendar 27 Aug. 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

OCTOBER 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 15 11	2♎ 5'08	14♈ 0	13♍24	13♎ 9	21♑29	3°R31	7♎14	17°R17	16♏31	26♍ 1	19°R 0	20♉27	29♊50	n.a.	S 1
M 2	0 19 8	3° 5'24	26°58	14°24	14°25	21°58	3♉25	7°22	17♉16	16°33	26° 3	18♉56	20°24	29°57	n.a.	M 2
T 3	0 23 4	4° 5'42	9♉37	15°29	15°40	22°28	3°19	7°29	17°14	16°34	26° 5	18°54	20°21	0♋ 3	n.a.	T 3
W 4	0 27 1	5° 6'01	21°58	16°40	16°55	22°58	3°13	7°36	17°13	16°36	26° 8	18°D53	20°18	0°10	n.a.	W 4
T 5	0 30 58	6° 6'23	4♊ 5	17°55	18°10	23°28	3° 6	7°43	17°11	16°38	26°10	18°54	20°15	0°17	n.a.	T 5
F 6	0 34 54	7° 6'47	16° 2	19°14	19°25	23°59	2°59	7°50	17° 9	16°40	26°13	18°56	20°11	0°23	n.a.	F 6
S 7	0 38 51	8° 7'13	27°53	20°35	20°41	24°30	2°53	7°57	17° 7	16°42	26°15	18°57	20° 8	0°30	n.a.	S 7
S 8	0 42 47	9° 7'40	9♋42	22° 0	21°56	25° 1	2°46	8° 4	17° 5	16°44	26°17	18°R58	20° 5	0°37	n.a.	S 8
M 9	0 46 44	10° 8'10	21°37	23°26	23°11	25°32	2°39	8°11	17° 4	16°45	26°20	18°57	20° 2	0°43	n.a.	M 9
T 10	0 50 40	11° 8'42	3♌40	24°55	24°26	26° 4	2°32	8°18	17° 2	16°47	26°22	18°54	19°59	0°50	n.a.	T 10
W11	0 54 37	12° 9'16	15°58	26°25	25°41	26°36	2°25	8°25	17° 0	16°49	26°25	18°50	19°55	0°57	n.a.	W11
T 12	0 58 33	13° 9'52	28°33	27°56	26°56	27° 8	2°17	8°32	16°58	16°51	26°27	18°45	19°52	1° 3	n.a.	T 12
F 13	1 2 30	14°10'29	11♍28	29°28	28°12	27°40	2°10	8°39	16°56	16°53	26°29	18°39	19°49	1°10	n.a.	F 13
S 14	1 6 27	15°11'08	24°43	1♎ 1	29°27	28°12	2° 2	8°46	16°54	16°55	26°32	18°33	19°46	1°17	n.a.	S 14
S 15	1 10 23	16°11'49	8♎19	2°35	0♏42	28°45	1°55	8°53	16°52	16°57	26°34	18°28	19°43	1°23	n.a.	S 15
M16	1 14 20	17°12'32	22°11	4° 9	1°57	29°18	1°47	9° 0	16°50	16°59	26°36	18°24	19°40	1°30	n.a.	M16
T 17	1 18 16	18°13'16	6♏18	5°44	3°12	29°51	1°39	9° 8	16°47	17° 1	26°39	18°22	19°36	1°37	n.a.	T 17
W18	1 22 13	19°14'01	20°33	7°18	4°27	0♒24	1°32	9°15	16°45	17° 3	26°41	18°D21	19°33	1°43	n.a.	W18
T 19	1 26 9	20°14'48	4♐54	8°53	5°43	0°58	1°24	9°22	16°43	17° 5	26°43	18°22	19°30	1°50	n.a.	T 19
F 20	1 30 6	21°15'36	19°15	10°28	6°58	1°31	1°16	9°29	16°41	17° 7	26°45	18°24	19°27	1°57	n.a.	F 20
S 21	1 34 2	22°16'26	3♑33	12° 3	8°13	2° 5	1° 8	9°36	16°39	17°10	26°48	18°25	19°24	2° 3	n.a.	S 21
S 22	1 37 59	23°17'16	17°45	13°38	9°28	2°39	1° 0	9°42	16°36	17°12	26°50	18°R26	19°21	2°10	n.a.	S 22
M23	1 41 56	24°18'08	1♒50	15°13	10°43	3°13	0°52	9°49	16°34	17°14	26°52	18°26	19°17	2°17	n.a.	M23
T 24	1 45 52	25°19'00	15°47	16°48	11°58	3°48	0°44	9°56	16°32	17°16	26°54	18°25	19°14	2°24	n.a.	T 24
W25	1 49 49	26°19'54	29°33	18°23	13°13	4°22	0°35	10° 3	16°29	17°18	26°57	18°22	19°11	2°30	n.a.	W25
T 26	1 53 45	27°20'48	13♓ 7	19°58	14°28	4°57	0°27	10°10	16°27	17°20	26°59	18°19	19° 8	2°37	n.a.	T 26
F 27	1 57 42	28°21'43	26°30	21°33	15°43	5°32	0°19	10°17	16°25	17°22	27° 1	18°16	19° 5	2°44	n.a.	F 27
S 28	2 1 38	29°22'40	9♈39	23° 8	16°58	6° 7	0°11	10°24	16°22	17°24	27° 3	18°13	19° 1	2°50	n.a.	S 28
S 29	2 5 35	0♏23'37	22°34	24°42	18°13	6°42	0° 3	10°31	16°20	17°27	27° 5	18°11	18°58	2°57	n.a.	S 29
M30	2 9 31	1°24'36	5♉15	26°17	19°29	7°17	29♈54	10°37	16°17	17°29	27° 7	18°10	18°55	3° 4	n.a.	M30
T 31	2 13 28	2♏25'35	17♉42	27♎51	20♏44	7♒52	29♈46	10♎44	16♉15	17♏31	27♍ 9	18°D 9	18♉52	3♋10	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	0s50	2n53	2s57	8n26	1n59	4s40	0n39	25s 1	3s 3	11n39	1s17	0s47	2n20	17n 0	0s14	15s26	1n38	16n41	16n31	17n42	18n 6	27n 2			n.a.
M 2	1 15	8 44	1 56	8 7	2 4	5 12	0 37	24 53	3 0	11 36	1 17	0 49	2 20	17 0	0 14	15 27	1 38	16 40	16 31	17 41	18 5	27 2			n.a.
T 3	1 39	14 6	0 50	7 44	2 7	5 43	0 34	24 46	2 57	11 34	1 17	0 52	2 20	16 59	0 14	15 27	1 38	16 39	16 31	17 40	18 4	27 3			n.a.
W 4	2 3	18 46	0n17	7 18	2 9	6 14	0 32	24 38	2 54	11 32	1 17	0 55	2 20	16 59	0 14	15 28	1 38	16 39	16 32	17 40	18 3	27 4			n.a.
T 5	2 27	22 35	1 22	6 50	2 10	6 45	0 30	24 30	2 51	11 30	1 17	0 58	2 20	16 58	0 14	15 28	1 38	16 38	16 32	17 40	18 2	27 4			n.a.
F 6	2 52	25 22	2 22	6 19	2 10	7 16	0 28	24 21	2 48	11 28	1 17	1 1	2 20	16 58	0 14	15 29	1 38	16 37	16 32	17 41	18 2	27 5			n.a.
S 7	3 16	27 0	3 16	5 45	2 9	7 47	0 25	24 13	2 46	11 25	1 17	1 4	2 20	16 57	0 14	15 29	1 38	16 36	16 32	17 41	18 1	27 6			n.a.
S 8	3 40	27 24	4 1	5 10	2 8	8 18	0 23	24 5	2 43	11 23	1 17	1 6	2 20	16 57	0 14	15 30	1 38	16 35	16 32	17 41	18 0	27 6			n.a.
M 9	4 4	26 33	4 37	4 34	2 6	8 48	0 21	23 56	2 40	11 20	1 17	1 9	2 20	16 56	0 14	15 31	1 38	16 34	16 32	17 41	17 59	27 7			n.a.
T 10	4 28	24 27	5 0	3 55	2 3	9 19	0 18	23 47	2 37	11 18	1 17	1 12	2 20	16 55	0 14	15 31	1 37	16 33	16 32	17 40	17 58	27 7			n.a.
W11	4 52	21 11	5 11	3 16	2 0	9 49	0 16	23 39	2 35	11 16	1 17	1 15	2 20	16 55	0 14	15 32	1 37	16 33	16 32	17 39	17 57	27 8			n.a.
T 12	5 16	16 55	5 7	2 36	1 56	10 18	0 13	23 30	2 32	11 13	1 17	1 18	2 20	16 54	0 14	15 32	1 37	16 32	16 32	17 38	17 56	27 9			n.a.
F 13	5 40	11 46	4 47	1 55	1 52	10 48	0 11	23 21	2 30	11 10	1 17	1 20	2 20	16 54	0 14	15 33	1 37	16 31	16 33	17 36	17 56	27 9			n.a.
S 14	6 3	5 58	4 12	1 13	1 47	11 17	0 9	23 12	2 27	11 8	1 17	1 23	2 20	16 53	0 14	15 33	1 37	16 30	16 33	17 34	17 55	27 10			n.a.
S 15	6 27	0s15	3 22	0 31	1 42	11 46	0 6	23 2	2 24	11 5	1 17	1 26	2 20	16 53	0 14	15 34	1 37	16 29	16 33	17 33	17 54	27 11			n.a.
M16	6 51	6 37	2 18	0s11	1 37	12 15	0 4	22 53	2 22	11 3	1 17	1 29	2 20	16 52	0 14	15 35	1 37	16 29	16 33	17 32	17 53	27 11			n.a.
T 17	7 14	12 46	1 6	0 54	1 32	12 44	0 1	22 43	2 19	11 0	1 17	1 32	2 20	16 51	0 14	15 35	1 37	16 28	16 33	17 31	17 52	27 12			n.a.
W18	7 38	18 19	0s12	1 37	1 26	13 12	0s 1	22 34	2 17	10 57	1 17	1 34	2 20	16 51	0 14	15 36	1 37	16 27	16 33	17 31	17 51	27 12			n.a.
T 19	8 1	22 52	1 30	2 21	1 20	13 40	0 4	22 24	2 15	10 55	1 17	1 37	2 20	16 50	0 14	15 37	1 37	16 26	16 34	17 31	17 50	27 13			n.a.
F 20	8 24	26 0	2 42	3 4	1 14	14 7	0 6	22 14	2 12	10 52	1 17	1 40	2 20	16 50	0 14	15 37	1 37	16 26	16 34	17 32	17 49	27 13			n.a.
S 21	8 47	27 26	3 43	3 47	1 8	14 34	0 9	22 4	2 10	10 49	1 17	1 43	2 20	16 49	0 14	15 38	1 37	16 25	16 34	17 32	17 49	27 14			n.a.
S 22	9 10	27 2	4 31	4 31	1 1	15 1	0 11	21 53	2 7	10 46	1 17	1 45	2 20	16 48	0 14	15 38	1 37	16 24	16 34	17 33	17 48	27 14			n.a.
M23	9 33	24 54	5 2	5 14	0 55	15 27	0 14	21 43	2 5	10 44	1 17	1 48	2 20	16 48	0 14	15 39	1 37	16 24	16 35	17 32	17 47	27 15			n.a.
T 24	9 55	21 18	5 14	5 57	0 49	15 53	0 16	21 33	2 3	10 41	1 17	1 51	2 20	16 47	0 14	15 40	1 37	16 23	16 35	17 32	17 46	27 15			n.a.
W25	10 18	16 35	5 9	6 39	0 42	16 19	0 19	21 22	2 0	10 38	1 17	1 53	2 20	16 46	0 14	15 40	1 37	16 22	16 35	17 31	17 45	27 16			n.a.
T 26	10 40	11 6	4 46	7 22	0 35	16 44	0 21	21 11	1 58	10 35	1 17	1 56	2 20	16 46	0 14	15 41	1 37	16 22	16 35	17 31	17 44	27 17			n.a.
F 27	11 2	5 11	4 8	8 4	0 29	17 9	0 24	21 0	1 56	10 32	1 17	1 59	2 20	16 45	0 14	15 42	1 37	16 21	16 36	17 30	17 43	27 17			n.a.
S 28	11 24	0n52	3 17	8 46	0 22	17 33	0 26	20 50	1 54	10 30	1 16	2 1	2 20	16 44	0 14	15 42	1 37	16 20	16 36	17 29	17 42	27 18			n.a.
S 29	11 46	6 47	2 17	9 27	0 15	17 57	0 29	20 38	1 51	10 27	1 16	2 4	2 20	16 43	0 14	15 43	1 37	16 20	16 36	17 28	17 42	27 18			n.a.
M30	12 7	12 20	1 11	10 8	0 9	18 20	0 31	20 27	1 49	10 24	1 16	2 7	2 20	16 43	0 14	15 43	1 37	16 19	16 36	17 28	17 41	27 18			n.a.
T 31	12s28	17n18	0s 2	10s49	0n 2	18s43	0s34	20s16	1s47	10n21	1s16	2s 9	2n20	16n42	0s14	15s44	1n37	16n19	16n37	17n28	17n40	27n19			n.a.

Julian Day Number = 1541993.5, Delta T = 04h37m00s
Ecliptic obliquity = 23°45'23, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'27, Lahiri = -10°44'26 Julian Calendar 1 Oct. 492 BCE == Greg. Calendar 26 Sept. 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

NOVEMBER 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 17 25	3♏26'36	29♉57	29♎26	21♏59	8♒28	29°R38	10♎51	16°R12	17♏33	27♍11	18♉ 9	18♉49	3♋17	n.a.	W 1
T 2	2 21 21	4°27'38	12♊ 0	1♏ 0	23°14	9° 4	29♈30	10°58	16♉10	17°35	27°13	18°10	18°46	3°24	n.a.	T 2
F 3	2 25 18	5°28'42	23°55	2°35	24°29	9°39	29°22	11° 4	16° 7	17°38	27°15	18°12	18°42	3°30	n.a.	F 3
S 4	2 29 14	6°29'46	5♋46	4° 9	25°44	10°15	29°14	11°11	16° 5	17°40	27°17	18°13	18°39	3°37	n.a.	S 4
S 5	2 33 11	7°30'52	17°36	5°43	26°59	10°51	29° 6	11°18	16° 2	17°42	27°19	18°14	18°36	3°44	n.a.	S 5
M 6	2 37 7	8°31'59	29°29	7°18	28°14	11°27	28°58	11°24	16° 0	17°44	27°21	18°15	18°33	3°50	n.a.	M 6
T 7	2 41 4	9°33'06	11♌31	8°52	29°29	12° 3	28°50	11°31	15°57	17°47	27°23	18°R15	18°30	3°57	n.a.	T 7
W 8	2 45 0	10°34'15	23°46	10°26	0♐43	12°40	28°42	11°37	15°55	17°49	27°25	18°14	18°26	4° 4	n.a.	W 8
T 9	2 48 57	11°35'25	6♍19	12° 1	1°58	13°16	28°34	11°44	15°52	17°51	27°27	18°14	18°23	4°10	n.a.	T 9
F 10	2 52 54	12°36'36	19°13	13°35	3°13	13°53	28°26	11°50	15°50	17°53	27°29	18°13	18°20	4°17	n.a.	F 10
S 11	2 56 50	13°37'48	2♎31	15°10	4°28	14°29	28°19	11°56	15°47	17°56	27°31	18°13	18°17	4°24	n.a.	S 11
S 12	3 0 47	14°39'00	16°13	16°45	5°43	15° 6	28°11	12° 3	15°45	17°58	27°33	18°12	18°14	4°31	n.a.	S 12
M13	3 4 43	15°40'14	0♏20	18°19	6°58	15°43	28° 4	12° 9	15°42	18° 0	27°35	18°12	18°11	4°37	n.a.	M13
T 14	3 8 40	16°41'28	14°47	19°54	8°13	16°19	27°56	12°15	15°40	18° 2	27°36	18°D12	18° 7	4°44	n.a.	T 14
W15	3 12 36	17°42'42	29°28	21°29	9°28	16°56	27°49	12°22	15°37	18° 5	27°38	18°R12	18° 4	4°51	n.a.	W15
T 16	3 16 33	18°43'58	14♐17	23° 5	10°43	17°33	27°42	12°28	15°34	18° 7	27°40	18°12	18° 1	4°57	n.a.	T 16
F 17	3 20 30	19°45'13	29° 7	24°40	11°58	18°11	27°35	12°34	15°32	18° 9	27°42	18°12	17°58	5° 4	n.a.	F 17
S 18	3 24 26	20°46'29	13♑49	26°16	13°13	18°48	27°28	12°40	15°29	18°12	27°43	18°11	17°55	5°11	n.a.	S 18
S 19	3 28 23	21°47'45	28°19	27°51	14°27	19°25	27°21	12°46	15°27	18°14	27°45	18°11	17°52	5°17	n.a.	S 19
M20	3 32 19	22°49'01	12♒32	29°27	15°42	20° 3	27°14	12°52	15°24	18°16	27°46	18°11	17°48	5°24	n.a.	M20
T 21	3 36 16	23°50'17	26°27	1♐ 3	16°57	20°40	27° 8	12°58	15°22	18°18	27°48	18°D11	17°45	5°31	n.a.	T 21
W22	3 40 12	24°51'32	10♓ 3	2°40	18°12	21°18	27° 1	13° 4	15°19	18°21	27°50	18°11	17°42	5°37	n.a.	W22
T 23	3 44 9	25°52'48	23°21	4°16	19°27	21°55	26°55	13°10	15°17	18°23	27°51	18°12	17°39	5°44	n.a.	T 23
F 24	3 48 5	26°54'04	6♈22	5°52	20°41	22°33	26°49	13°15	15°14	18°25	27°53	18°12	17°36	5°51	n.a.	F 24
S 25	3 52 2	27°55'19	19° 9	7°29	21°56	23°10	26°43	13°21	15°12	18°27	27°54	18°13	17°32	5°57	n.a.	S 25
S 26	3 55 59	28°56'34	1♉42	9° 6	23°11	23°48	26°37	13°27	15° 9	18°30	27°56	18°14	17°29	6° 4	n.a.	S 26
M27	3 59 55	29°57'50	14° 4	10°42	24°25	24°26	26°31	13°32	15° 7	18°32	27°57	18°R15	17°26	6°11	n.a.	M27
T 28	4 3 52	0♐59'05	26°17	12°19	25°40	25° 4	26°26	13°38	15° 4	18°34	27°58	18°15	17°23	6°18	n.a.	T 28
W29	4 7 48	2° 0'20	8♊21	13°56	26°55	25°42	26°20	13°43	15° 2	18°36	28° 0	18°14	17°20	6°24	n.a.	W29
T 30	4 11 45	3♐ 1'36	20♊19	15♐32	28♐ 9	26♒20	26♈15	13♎49	15♉ 0	18♏39	28♍ 1	18♉12	17♉17	6♋31	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s50	21n28	1n 5	11s29	0s 5	19s 5	0s36	20s 4	1s45	10n19	1s16	2s12	2n21	16n41	0s14	15s45	1n37	16n18	16n37	17n28	17n39	27n19		n.a.
T 2	13 11	24 39	2 8	12 9	0 11	19 27	0 38	19 53	1 43	10 16	1 16	2 14	2 21	16 41	0 14	15 45	1 37	16 17	16 37	17 28	17 38	27 20		n.a.
F 3	13 31	26 42	3 5	12 48	0 18	19 48	0 41	19 41	1 41	10 13	1 16	2 17	2 21	16 40	0 14	15 46	1 37	16 17	16 38	17 28	17 37	27 20		n.a.
S 4	13 52	27 32	3 54	13 27	0 24	20 9	0 43	19 29	1 39	10 10	1 15	2 20	2 21	16 39	0 14	15 47	1 37	16 16	16 38	17 29	17 36	27 21		n.a.
S 5	14 12	27 6	4 33	14 5	0 30	20 29	0 46	19 17	1 37	10 8	1 15	2 22	2 21	16 38	0 14	15 47	1 37	16 16	16 38	17 29	17 35	27 21		n.a.
M 6	14 32	25 25	5 0	14 42	0 37	20 48	0 48	19 5	1 35	10 5	1 15	2 25	2 21	16 38	0 14	15 48	1 37	16 16	16 39	17 29	17 34	27 22		n.a.
T 7	14 52	22 35	5 15	15 19	0 43	21 7	0 50	18 53	1 33	10 2	1 15	2 27	2 21	16 37	0 14	15 49	1 37	16 15	16 39	17 29	17 34	27 22		n.a.
W 8	15 11	18 44	5 16	15 55	0 49	21 26	0 52	18 41	1 31	9 59	1 15	2 30	2 21	16 36	0 14	15 49	1 37	16 15	16 39	17 29	17 33	27 22		n.a.
T 9	15 31	13 58	5 2	16 31	0 55	21 43	0 55	18 28	1 29	9 57	1 15	2 32	2 21	16 36	0 14	15 50	1 37	16 14	16 40	17 29	17 32	27 23		n.a.
F 10	15 50	8 29	4 32	17 5	1 1	22 1	0 57	18 16	1 27	9 54	1 14	2 35	2 21	16 35	0 14	15 51	1 37	16 14	16 40	17 29	17 31	27 23		n.a.
S 11	16 8	2 27	3 47	17 39	1 6	22 17	0 59	18 3	1 25	9 52	1 14	2 37	2 21	16 34	0 14	15 51	1 37	16 13	16 41	17 29	17 30	27 24		n.a.
S 12	16 27	3s53	2 48	18 12	1 12	22 33	1 1	17 51	1 23	9 49	1 14	2 39	2 22	16 33	0 13	15 52	1 37	16 13	16 41	17 29	17 29	27 24		n.a.
M13	16 45	10 13	1 38	18 45	1 17	22 48	1 3	17 38	1 21	9 47	1 14	2 42	2 22	16 33	0 13	15 52	1 37	16 13	16 41	17 29	17 28	27 24		n.a.
T 14	17 3	16 11	0 19	19 16	1 22	23 3	1 5	17 25	1 19	9 44	1 14	2 44	2 22	16 32	0 13	15 53	1 37	16 12	16 42	17 29	17 27	27 25		n.a.
W15	17 20	21 19	1s 2	19 47	1 27	23 17	1 8	17 12	1 18	9 42	1 13	2 46	2 22	16 31	0 13	15 54	1 37	16 12	16 42	17 29	17 26	27 25		n.a.
T 16	17 38	25 8	2 20	20 16	1 32	23 30	1 9	16 59	1 16	9 39	1 13	2 49	2 22	16 30	0 13	15 54	1 37	16 12	16 43	17 29	17 26	27 25		n.a.
F 17	17 54	27 13	3 28	20 45	1 37	23 42	1 11	16 45	1 14	9 37	1 13	2 51	2 22	16 30	0 13	15 55	1 37	16 11	16 43	17 28	17 25	27 26		n.a.
S 18	18 11	27 22	4 22	21 12	1 41	23 54	1 13	16 32	1 12	9 35	1 13	2 53	2 22	16 29	0 13	15 56	1 37	16 11	16 43	17 28	17 24	27 26		n.a.
S 19	18 27	25 38	4 59	21 39	1 45	24 5	1 15	16 18	1 10	9 32	1 12	2 56	2 22	16 28	0 13	15 56	1 37	16 11	16 44	17 28	17 23	27 26		n.a.
M20	18 43	22 18	5 16	22 4	1 49	24 15	1 17	16 5	1 9	9 30	1 12	2 58	2 23	16 27	0 13	15 57	1 37	16 11	16 44	17 28	17 22	27 27		n.a.
T 21	18 59	17 46	5 14	22 28	1 52	24 25	1 19	15 51	1 7	9 28	1 12	3 0	2 23	16 27	0 13	15 58	1 37	16 10	16 45	17 28	17 21	27 27		n.a.
W22	19 14	12 26	4 55	22 51	1 56	24 34	1 21	15 37	1 5	9 26	1 12	3 2	2 23	16 26	0 13	15 58	1 37	16 10	16 45	17 28	17 20	27 27		n.a.
T 23	19 29	6 38	4 20	23 13	1 58	24 42	1 22	15 23	1 4	9 24	1 12	3 4	2 23	16 25	0 13	15 59	1 37	16 10	16 46	17 28	17 19	27 28		n.a.
F 24	19 43	0 40	3 32	23 33	2 1	24 49	1 24	15 9	1 2	9 22	1 11	3 6	2 23	16 24	0 13	15 59	1 37	16 10	16 46	17 29	17 18	27 28		n.a.
S 25	19 58	5n13	2 34	23 52	2 3	24 56	1 25	14 55	1 0	9 20	1 11	3 9	2 23	16 24	0 13	16 0	1 37	16 10	16 47	17 29	17 17	27 28		n.a.
S 26	20 11	10 49	1 30	24 10	2 5	25 1	1 27	14 41	0 59	9 18	1 11	3 11	2 23	16 23	0 13	16 1	1 37	16 9	16 47	17 29	17 16	27 28		n.a.
M27	20 25	15 54	0 23	24 26	2 7	25 6	1 28	14 27	0 57	9 16	1 10	3 13	2 24	16 22	0 13	16 1	1 37	16 9	16 48	17 29	17 16	27 29		n.a.
T 28	20 38	20 18	0n44	24 41	2 8	25 11	1 30	14 12	0 56	9 14	1 10	3 15	2 24	16 22	0 13	16 2	1 37	16 9	16 48	17 29	17 15	27 29		n.a.
W29	20 50	23 47	1 49	24 54	2 8	25 14	1 31	13 58	0 54	9 13	1 10	3 17	2 24	16 21	0 13	16 3	1 37	16 9	16 49	17 29	17 14	27 29		n.a.
T 30	21s 2	26n12	2n48	25s 5	2s 8	25s17	1s32	13s44	0s52	9n11	1s10	3s19	2n24	16n20	0s13	16s 3	1n37	16n 9	16n49	17n29	17n13	27n29		n.a.

Julian Day Number = 1542024.5, Delta T = 04h36m59s
Ecliptic obliquity = 23°45'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'22, Lahiri = -10°44'22 Julian Calendar 1 Nov. 492 BCE == Greg. Calendar 27 Oct. 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 492 BCE
geocentric

DECEMBER 492 BCE (-491) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 15 41	4♐ 2'51	2♋12	17♐ 9	29♐24	26♒58	26°R10	13♎54	14°R57	18♏41	28♍ 2	18°R10	17♉13	6♋38	n.a.	F 1
S 2	4 19 38	5° 4'06	14° 2	18°45	0♑39	27°36	26♈ 5	14° 0	14♉55	18°43	28° 4	18♉ 7	17°10	6°44	n.a.	S 2
S 3	4 23 35	6° 5'22	25°52	20°20	1°53	28°14	26° 1	14° 5	14°52	18°45	28° 5	18° 4	17° 7	6°51	n.a.	S 3
M 4	4 27 31	7° 6'37	7♌46	21°55	3° 8	28°52	25°56	14°10	14°50	18°47	28° 6	18° 1	17° 4	6°58	n.a.	M 4
T 5	4 31 28	8° 7'52	19°47	23°29	4°22	29°30	25°52	14°15	14°48	18°49	28° 7	17°59	17° 1	7° 4	n.a.	T 5
W 6	4 35 24	9° 9'07	1♍58	25° 2	5°37	0♓ 9	25°48	14°20	14°46	18°52	28° 8	17°58	16°58	7°11	n.a.	W 6
T 7	4 39 21	10°10'22	14°25	26°33	6°51	0°47	25°44	14°25	14°43	18°54	28° 9	17°D58	16°54	7°18	n.a.	T 7
F 8	4 43 17	11°11'37	27°12	28° 3	8° 6	1°25	25°40	14°30	14°41	18°56	28°10	17°59	16°51	7°24	n.a.	F 8
S 9	4 47 14	12°12'51	10♎23	29°31	9°20	2° 4	25°36	14°35	14°39	18°58	28°12	18° 0	16°48	7°31	n.a.	S 9
S 10	4 51 10	13°14'06	24° 0	0♑57	10°34	2°42	25°33	14°40	14°37	19° 0	28°13	18° 2	16°45	7°38	n.a.	S 10
M11	4 55 7	14°15'20	8♏ 5	2°19	11°49	3°20	25°30	14°44	14°35	19° 2	28°13	18° 3	16°42	7°45	n.a.	M11
T 12	4 59 4	15°16'34	22°36	3°39	13° 3	3°59	25°27	14°49	14°32	19° 4	28°14	18°R 3	16°38	7°51	n.a.	T 12
W13	5 3 0	16°17'48	7♐29	4°54	14°17	4°37	25°24	14°53	14°30	19° 6	28°15	18° 2	16°35	7°58	n.a.	W13
T 14	5 6 57	17°19'01	22°37	6° 4	15°32	5°16	25°22	14°58	14°28	19° 9	28°16	17°59	16°32	8° 5	n.a.	T 14
F 15	5 10 53	18°20'13	7♑49	7° 9	16°46	5°55	25°19	15° 2	14°26	19°11	28°17	17°55	16°29	8°11	n.a.	F 15
S 16	5 14 50	19°21'25	22°57	8° 7	18° 0	6°33	25°17	15° 7	14°24	19°13	28°18	17°51	16°26	8°18	n.a.	S 16
S 17	5 18 46	20°22'36	7♒50	8°59	19°14	7°12	25°15	15°11	14°22	19°15	28°19	17°46	16°23	8°25	n.a.	S 17
M18	5 22 43	21°23'45	22°21	9°42	20°29	7°50	25°13	15°15	14°21	19°17	28°19	17°42	16°19	8°31	n.a.	M18
T 19	5 26 39	22°24'54	6♓27	10°17	21°43	8°29	25°12	15°19	14°19	19°19	28°20	17°39	16°16	8°38	n.a.	T 19
W20	5 30 36	23°26'01	20° 6	10°41	22°57	9° 8	25°10	15°23	14°17	19°21	28°21	17°D38	16°13	8°45	n.a.	W20
T 21	5 34 33	24°27'07	3♈20	10°56	24°11	9°47	25° 9	15°27	14°15	19°23	28°21	17°38	16°10	8°52	n.a.	T 21
F 22	5 38 29	25°28'11	16°13	10°R59	25°25	10°25	25° 8	15°31	14°13	19°24	28°22	17°40	16° 7	8°58	n.a.	F 22
S 23	5 42 26	26°29'15	28°46	10°51	26°39	11° 4	25° 8	15°35	14°12	19°26	28°22	17°41	16° 4	9° 5	n.a.	S 23
S 24	5 46 22	27°30'17	11♉ 5	10°31	27°53	11°43	25° 7	15°38	14°10	19°28	28°23	17°43	16° 0	9°12	n.a.	S 24
M25	5 50 19	28°31'19	23°13	10° 0	29° 7	12°22	25° 7	15°42	14° 8	19°30	28°23	17°R43	15°57	9°18	n.a.	M25
T 26	5 54 15	29°32'19	5♊13	9°18	0♒20	13° 1	25°D 7	15°45	14° 7	19°32	28°24	17°41	15°54	9°25	n.a.	T 26
W27	5 58 12	0♑33'17	17° 8	8°27	1°34	13°40	25° 7	15°49	14° 5	19°34	28°24	17°37	15°51	9°32	n.a.	W27
T 28	6 2 9	1°34'15	29° 1	7°27	2°48	14°18	25° 7	15°52	14° 4	19°36	28°24	17°31	15°48	9°38	n.a.	T 28
F 29	6 6 5	2°35'11	10♋52	6°21	4° 2	14°57	25° 8	15°55	14° 2	19°37	28°25	17°23	15°44	9°45	n.a.	F 29
S 30	6 10 2	3°36'07	22°43	5°10	5°15	15°36	25° 8	15°58	14° 1	19°39	28°25	17°14	15°41	9°52	n.a.	S 30
S 31	6 13 58	4♑37'01	4♌37	3♑57	6♒29	16♓15	25♈ 9	16♎ 1	13♉59	19♏41	28♍25	17♉ 4	15♉38	9♋58	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s14	27n24	3n40	25s15	2s 8	25s19	1s34	13s29	0s51	9n 9	1s 9	3s21	2n24	16n19	0s13	16s 4	1n37	16n 9	16n50	17n28	17n12	27n30		n.a.
S 2	21 26	27 20	4 21	25 23	2 7	25 20	1 35	13 14	0 49	9 8	1 9	3 23	2 24	16 19	0 13	16 4	1 37	16 9	16 50	17 27	17 11	27 30		n.a.
S 3	21 37	26 2	4 52	25 29	2 6	25 20	1 36	12 59	0 48	9 7	1 9	3 25	2 25	16 18	0 13	16 5	1 37	16 9	16 51	17 26	17 10	27 30		n.a.
M 4	21 47	23 33	5 10	25 34	2 3	25 20	1 37	12 45	0 46	9 5	1 9	3 26	2 25	16 17	0 13	16 6	1 37	16 9	16 51	17 26	17 9	27 30		n.a.
T 5	21 57	20 3	5 15	25 36	2 1	25 19	1 38	12 30	0 45	9 4	1 8	3 28	2 25	16 17	0 13	16 6	1 37	16 9	16 52	17 25	17 8	27 30		n.a.
W 6	22 7	15 39	5 6	25 37	1 57	25 17	1 39	12 15	0 43	9 3	1 8	3 30	2 25	16 16	0 13	16 7	1 37	16 9	16 52	17 25	17 7	27 31		n.a.
T 7	22 16	10 32	4 42	25 35	1 53	25 14	1 39	12 0	0 42	9 1	1 8	3 32	2 25	16 15	0 13	16 7	1 37	16 9	16 53	17 25	17 6	27 31		n.a.
F 8	22 25	4 51	4 4	25 32	1 48	25 10	1 40	11 45	0 41	9 0	1 7	3 34	2 25	16 15	0 13	16 8	1 37	16 9	16 53	17 25	17 6	27 31		n.a.
S 9	22 33	1s13	3 13	25 27	1 42	25 6	1 41	11 29	0 39	8 59	1 7	3 35	2 26	16 14	0 13	16 8	1 37	16 9	16 54	17 25	17 5	27 31		n.a.
S 10	22 41	7 27	2 8	25 20	1 35	25 1	1 41	11 14	0 38	8 58	1 7	3 37	2 26	16 14	0 13	16 9	1 37	16 9	16 54	17 26	17 4	27 31		n.a.
M11	22 49	13 32	0 55	25 12	1 27	24 55	1 42	10 59	0 36	8 57	1 7	3 39	2 26	16 13	0 13	16 10	1 37	16 9	16 55	17 26	17 3	27 32		n.a.
T 12	22 56	19 4	0s25	25 1	1 19	24 48	1 42	10 43	0 35	8 57	1 6	3 40	2 26	16 12	0 13	16 10	1 37	16 9	16 55	17 26	17 2	27 32		n.a.
W13	23 2	23 34	1 45	24 49	1 9	24 41	1 43	10 28	0 34	8 56	1 6	3 42	2 26	16 12	0 13	16 11	1 37	16 9	16 56	17 26	17 1	27 32		n.a.
T 14	23 9	26 31	2 58	24 35	0 58	24 33	1 43	10 12	0 32	8 55	1 6	3 43	2 27	16 11	0 13	16 11	1 37	16 10	16 56	17 25	17 0	27 32		n.a.
F 15	23 14	27 30	3 59	24 20	0 46	24 24	1 43	9 57	0 31	8 55	1 5	3 45	2 27	16 11	0 13	16 12	1 37	16 10	16 57	17 24	16 59	27 32		n.a.
S 16	23 19	26 26	4 43	24 4	0 34	24 14	1 44	9 41	0 30	8 54	1 5	3 46	2 27	16 10	0 13	16 12	1 37	16 10	16 58	17 23	16 58	27 32		n.a.
S 17	23 24	23 30	5 7	23 46	0 20	24 4	1 44	9 25	0 29	8 54	1 5	3 48	2 27	16 9	0 13	16 13	1 37	16 10	16 58	17 21	16 57	27 32		n.a.
M18	23 28	19 8	5 11	23 28	0 5	23 53	1 44	9 10	0 27	8 53	1 4	3 49	2 27	16 9	0 13	16 13	1 37	16 10	16 59	17 20	16 56	27 32		n.a.
T 19	23 32	13 50	4 56	23 10	0n12	23 41	1 44	8 54	0 26	8 53	1 4	3 51	2 28	16 8	0 13	16 14	1 37	16 11	16 59	17 19	16 55	27 32		n.a.
W20	23 35	8 0	4 24	22 51	0 28	23 28	1 43	8 38	0 25	8 53	1 4	3 52	2 28	16 8	0 13	16 14	1 37	16 11	17 0	17 19	16 55	27 32		n.a.
T 21	23 38	1 59	3 38	22 32	0 46	23 15	1 43	8 22	0 24	8 53	1 4	3 53	2 28	16 7	0 13	16 15	1 37	16 11	17 0	17 19	16 54	27 33		n.a.
F 22	23 41	3n57	2 43	22 14	1 4	23 1	1 43	8 6	0 22	8 53	1 3	3 55	2 28	16 7	0 13	16 15	1 37	16 11	17 1	17 19	16 53	27 33		n.a.
S 23	23 43	9 36	1 41	21 56	1 23	22 47	1 42	7 50	0 21	8 53	1 3	3 56	2 28	16 6	0 13	16 16	1 37	16 12	17 1	17 20	16 52	27 33		n.a.
S 24	23 44	14 47	0 36	21 39	1 42	22 32	1 42	7 34	0 20	8 53	1 3	3 57	2 29	16 6	0 13	16 16	1 37	16 12	17 2	17 20	16 51	27 33		n.a.
M25	23 45	19 18	0n30	21 22	2 0	22 16	1 41	7 18	0 19	8 53	1 2	3 58	2 29	16 5	0 13	16 17	1 37	16 12	17 3	17 20	16 50	27 33		n.a.
T 26	23 45	22 59	1 34	21 8	2 18	21 59	1 41	7 2	0 18	8 53	1 2	3 59	2 29	16 5	0 13	16 17	1 37	16 13	17 3	17 20	16 49	27 33		n.a.
W27	23 45	25 39	2 33	20 54	2 35	21 42	1 40	6 46	0 16	8 53	1 2	4 1	2 29	16 4	0 13	16 18	1 37	16 13	17 4	17 19	16 48	27 33		n.a.
T 28	23 45	27 10	3 25	20 42	2 51	21 24	1 39	6 29	0 15	8 54	1 1	4 2	2 30	16 4	0 13	16 18	1 37	16 13	17 4	17 17	16 47	27 33		n.a.
F 29	23 44	27 25	4 7	20 31	3 5	21 6	1 39	6 13	0 14	8 54	1 1	4 3	2 30	16 3	0 13	16 19	1 37	16 14	17 5	17 15	16 46	27 33		n.a.
S 30	23 42	26 24	4 40	20 22	3 17	20 47	1 38	5 57	0 13	8 55	1 1	4 4	2 30	16 3	0 13	16 19	1 37	16 14	17 5	17 12	16 45	27 33		n.a.
S 31	23s40	24n12	5n 0	20s15	3n27	20s27	1s37	5s41	0s12	8n55	1s 0	4s 5	2n30	16n 3	0s13	16s20	1n37	16n15	17n 6	17n 9	16n44	27n33		n.a.

Julian Day Number = 1542054.5, Delta T = 04h36m58s
Ecliptic obliquity = 23°45'23, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'18, Lahiri = -10°44'18 Julian Calendar 1 Dec. 492 BCE == Greg. Calendar 26 Nov. 492 BCE

The year -491 astronomical counting style corresponds to year 492 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

JANUARY 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 17 55	5♑37'54	16♌34	2°R43	7♒42	16♓54	25♈10	16♎ 4	13°R58	19♏43	28♍25	16°R55	15♉35	10♋ 5	n.a.	M 1
T 2	6 21 51	6°38'45	28°38	1♑31	8°56	17°33	25°12	16° 7	13♉57	19°44	28°26	16♉47	15°32	10°12	n.a.	T 2
W 3	6 25 48	7°39'36	10♍50	0°22	10° 9	18°12	25°13	16°10	13°56	19°46	28°26	16°41	15°29	10°19	n.a.	W 3
T 4	6 29 44	8°40'25	23°16	29♐19	11°23	18°51	25°15	16°13	13°54	19°48	28°26	16°38	15°25	10°25	n.a.	T 4
F 5	6 33 41	9°41'14	5♎57	28°21	12°36	19°30	25°17	16°15	13°53	19°49	28°26	16°D36	15°22	10°32	n.a.	F 5
S 6	6 37 38	10°42'01	18°59	27°31	13°49	20° 9	25°19	16°18	13°52	19°51	28°R26	16°37	15°19	10°39	n.a.	S 6
S 7	6 41 34	11°42'47	2♏26	26°49	15° 2	20°47	25°21	16°20	13°51	19°53	28°26	16°38	15°16	10°45	n.a.	S 7
M 8	6 45 31	12°43'32	16°19	26°15	16°16	21°26	25°23	16°22	13°50	19°54	28°26	16°R38	15°13	10°52	n.a.	M 8
T 9	6 49 27	13°44'16	0♐39	25°49	17°29	22° 5	25°26	16°25	13°49	19°56	28°26	16°37	15°10	10°59	n.a.	T 9
W10	6 53 24	14°44'58	15°26	25°31	18°42	22°44	25°29	16°27	13°48	19°57	28°26	16°34	15° 6	11° 5	n.a.	W10
T 11	6 57 20	15°45'39	0♑32	25°21	19°55	23°23	25°32	16°29	13°47	19°59	28°26	16°29	15° 3	11°12	n.a.	T 11
F 12	7 1 17	16°46'19	15°50	25°D19	21° 8	24° 2	25°35	16°31	13°47	20° 0	28°25	16°21	15° 0	11°19	n.a.	F 12
S 13	7 5 13	17°46'57	1♒ 9	25°23	22°20	24°41	25°39	16°32	13°46	20° 1	28°25	16°11	14°57	11°26	n.a.	S 13
S 14	7 9 10	18°47'33	16°17	25°34	23°33	25°20	25°43	16°34	13°45	20° 3	28°25	16° 1	14°54	11°32	n.a.	S 14
M15	7 13 7	19°48'08	1♓ 4	25°51	24°46	25°59	25°46	16°36	13°44	20° 4	28°25	15°52	14°50	11°39	n.a.	M15
T 16	7 17 3	20°48'40	15°24	26°15	25°59	26°38	25°50	16°37	13°44	20° 6	28°24	15°45	14°47	11°46	n.a.	T 16
W17	7 21 0	21°49'10	29°14	26°43	27°11	27°17	25°55	16°39	13°43	20° 7	28°24	15°41	14°44	11°52	n.a.	W17
T 18	7 24 56	22°49'39	12♈35	27°16	28°24	27°56	25°59	16°40	13°43	20° 8	28°23	15°38	14°41	11°59	n.a.	T 18
F 19	7 28 53	23°50'05	25°29	27°54	29°36	28°35	26° 4	16°41	13°42	20° 9	28°23	15°D38	14°38	12° 6	n.a.	F 19
S 20	7 32 49	24°50'29	8♉ 0	28°36	0♓48	29°14	26° 8	16°42	13°42	20°11	28°23	15°38	14°35	12°12	n.a.	S 20
S 21	7 36 46	25°50'51	20°14	29°22	2° 1	29°53	26°13	16°43	13°42	20°12	28°22	15°R38	14°31	12°19	n.a.	S 21
M22	7 40 42	26°51'11	2♊16	0♑12	3°13	0♈32	26°18	16°44	13°41	20°13	28°22	15°37	14°28	12°26	n.a.	M22
T 23	7 44 39	27°51'29	14°10	1° 4	4°25	1°11	26°24	16°45	13°41	20°14	28°21	15°33	14°25	12°33	n.a.	T 23
W24	7 48 36	28°51'45	26° 0	2° 0	5°37	1°50	26°29	16°46	13°41	20°15	28°20	15°27	14°22	12°39	n.a.	W24
T 25	7 52 32	29°51'59	7♋50	2°59	6°49	2°29	26°35	16°46	13°41	20°16	28°20	15°18	14°19	12°46	n.a.	T 25
F 26	7 56 29	0♒52'11	19°41	4° 0	8° 1	3° 8	26°40	16°47	13°41	20°17	28°19	15° 6	14°16	12°53	n.a.	F 26
S 27	8 0 25	1°52'21	1♌36	5° 4	9°12	3°47	26°46	16°47	13°D41	20°18	28°18	14°52	14°12	12°59	n.a.	S 27
S 28	8 4 22	2°52'29	13°35	6°10	10°24	4°26	26°52	16°47	13°41	20°19	28°18	14°38	14° 9	13° 6	n.a.	S 28
M29	8 8 18	3°52'35	25°41	7°19	11°35	5° 5	26°59	16°48	13°41	20°20	28°17	14°24	14° 6	13°13	n.a.	M29
T 30	8 12 15	4°52'40	7♍54	8°29	12°47	5°44	27° 5	16°R48	13°41	20°21	28°16	14°12	14° 3	13°20	n.a.	T 30
W31	8 16 11	5♒52'42	20♍15	9♑42	13♓58	6♈23	27♈12	16♎48	13♉41	20♏22	28♍15	14♉ 2	14♉ 0	13♋26	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23s38	20n56	5n 7	20s10	3n34	20s 7	1s35	5s24	0s11	8n56	1s 0	4s 6	2n30	16n 2	0s13	16s20	1n37	16n15	17n 7	17n 7	16n43	27n33			n.a.
T 2	23 35	16 47	5 0	20 6	3 39	19 47	1 34	5 8	0 10	8 57	1 0	4 6	2 31	16 2	0 13	16 21	1 37	16 16	17 7	17 4	16 42	27 33			n.a.
W 3	23 32	11 54	4 40	20 4	3 42	19 25	1 33	4 52	0 9	8 58	1 0	4 7	2 31	16 2	0 13	16 21	1 37	16 16	17 8	17 3	16 41	27 33			n.a.
T 4	23 28	6 28	4 7	20 3	3 42	19 4	1 32	4 35	0 8	8 59	0 59	4 8	2 31	16 1	0 13	16 21	1 37	16 16	17 8	17 2	16 41	27 33			n.a.
F 5	23 24	0 40	3 20	20 5	3 40	18 41	1 30	4 19	0 7	9 0	0 59	4 9	2 31	16 1	0 13	16 22	1 37	16 17	17 9	17 1	16 40	27 33			n.a.
S 6	23 19	5s20	2 23	20 8	3 36	18 19	1 29	4 3	0 6	9 1	0 59	4 10	2 32	16 1	0 13	16 22	1 37	16 17	17 9	17 1	16 39	27 33			n.a.
S 7	23 14	11 18	1 15	20 12	3 31	17 55	1 27	3 46	0 5	9 2	0 58	4 10	2 32	16 0	0 13	16 23	1 38	16 18	17 10	17 2	16 38	27 33			n.a.
M 8	23 8	16 54	0 2	20 18	3 24	17 32	1 25	3 30	0 4	9 3	0 58	4 11	2 32	16 0	0 13	16 23	1 38	16 19	17 11	17 2	16 37	27 33			n.a.
T 9	23 2	21 46	1s14	20 25	3 16	17 8	1 24	3 13	0 3	9 4	0 58	4 12	2 32	16 0	0 13	16 23	1 38	16 19	17 11	17 2	16 36	27 32			n.a.
W10	22 56	25 24	2 28	20 34	3 7	16 43	1 22	2 57	0 2	9 5	0 57	4 12	2 33	15 59	0 13	16 24	1 38	16 20	17 12	17 1	16 35	27 32			n.a.
T 11	22 49	27 17	3 32	20 43	2 57	16 18	1 20	2 40	0 1	9 7	0 57	4 13	2 33	15 59	0 13	16 24	1 38	16 20	17 12	16 59	16 34	27 32			n.a.
F 12	22 41	27 8	4 22	20 53	2 47	15 52	1 18	2 24	0n 0	9 8	0 57	4 13	2 33	15 59	0 13	16 24	1 38	16 21	17 13	16 57	16 33	27 32			n.a.
S 13	22 33	24 56	4 53	21 4	2 36	15 27	1 16	2 7	0 1	9 10	0 57	4 14	2 33	15 59	0 13	16 25	1 38	16 21	17 13	16 54	16 32	27 32			n.a.
S 14	22 25	20 59	5 4	21 16	2 25	15 0	1 14	1 51	0 2	9 12	0 56	4 14	2 34	15 59	0 13	16 25	1 38	16 22	17 14	16 51	16 31	27 32			n.a.
M15	22 16	15 47	4 53	21 28	2 14	14 34	1 12	1 34	0 3	9 13	0 56	4 15	2 34	15 58	0 12	16 25	1 38	16 23	17 14	16 48	16 30	27 32			n.a.
T 16	22 7	9 52	4 24	21 40	2 2	14 7	1 9	1 18	0 4	9 15	0 56	4 15	2 34	15 58	0 12	16 26	1 38	16 23	17 15	16 46	16 29	27 32			n.a.
W17	21 58	3 40	3 41	21 52	1 51	13 39	1 7	1 1	0 5	9 17	0 55	4 15	2 34	15 58	0 12	16 26	1 38	16 24	17 15	16 45	16 28	27 32			n.a.
T 18	21 48	2n29	2 46	22 5	1 39	13 12	1 4	0 45	0 6	9 19	0 55	4 16	2 35	15 58	0 12	16 26	1 38	16 24	17 16	16 44	16 27	27 31			n.a.
F 19	21 37	8 21	1 45	22 17	1 28	12 44	1 2	0 28	0 7	9 21	0 55	4 16	2 35	15 58	0 12	16 27	1 38	16 25	17 16	16 44	16 26	27 31			n.a.
S 20	21 27	13 43	0 41	22 29	1 16	12 15	0 59	0 11	0 8	9 23	0 55	4 16	2 35	15 58	0 12	16 27	1 38	16 26	17 17	16 44	16 25	27 31			n.a.
S 21	21 15	18 26	0n24	22 40	1 5	11 47	0 57	0n 5	0 8	9 25	0 54	4 16	2 35	15 58	0 12	16 27	1 38	16 26	17 18	16 44	16 24	27 31			n.a.
M22	21 4	22 19	1 27	22 51	0 54	11 18	0 54	0 22	0 9	9 27	0 54	4 16	2 36	15 58	0 12	16 28	1 38	16 27	17 18	16 44	16 24	27 31			n.a.
T 23	20 52	25 12	2 25	23 2	0 43	10 49	0 51	0 38	0 10	9 29	0 54	4 16	2 36	15 58	0 12	16 28	1 38	16 28	17 19	16 43	16 23	27 30			n.a.
W24	20 40	26 58	3 17	23 12	0 33	10 19	0 48	0 55	0 11	9 31	0 53	4 16	2 36	15 58	0 12	16 28	1 38	16 28	17 19	16 41	16 22	27 30			n.a.
T 25	20 27	27 30	3 59	23 21	0 22	9 50	0 45	1 11	0 12	9 33	0 53	4 16	2 36	15 58	0 12	16 28	1 38	16 29	17 20	16 38	16 21	27 30			n.a.
F 26	20 14	26 46	4 31	23 29	0 12	9 20	0 42	1 27	0 13	9 36	0 53	4 16	2 37	15 58	0 12	16 29	1 38	16 30	17 20	16 35	16 20	27 30			n.a.
S 27	20 0	24 48	4 52	23 37	0 3	8 50	0 39	1 44	0 13	9 38	0 53	4 16	2 37	15 58	0 12	16 29	1 38	16 31	17 21	16 31	16 19	27 30			n.a.
S 28	19 47	21 44	5 0	23 43	0s 7	8 20	0 36	2 0	0 14	9 41	0 52	4 16	2 37	15 58	0 12	16 29	1 38	16 31	17 21	16 26	16 18	27 29			n.a.
M29	19 32	17 44	4 54	23 49	0 16	7 49	0 33	2 17	0 15	9 43	0 52	4 16	2 37	15 58	0 12	16 29	1 38	16 32	17 22	16 22	16 17	27 29			n.a.
T 30	19 18	12 58	4 35	23 54	0 25	7 19	0 30	2 33	0 16	9 46	0 52	4 16	2 38	15 58	0 12	16 29	1 38	16 33	17 22	16 19	16 16	27 29			n.a.
W31	19s 3	7n37	4n 3	23s57	0s33	6s48	0s27	2n49	0n17	9n48	0s52	4s16	2n38	15n58	0s12	16s30	1n39	16n34	17n22	16n16	16n15	27n29			n.a.

Julian Day Number = 1542085.5, Delta T = 04h36m56s
Ecliptic obliquity = 23°45'23, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'14, Lahiri = -10°44'14 Julian Calendar 1 Jan. 491 BCE == Greg. Calendar 27 Dec. 492 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

FEBRUARY 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 20 8	6♒52'42	2♎47	10♑56	15♓ 9	7♈ 2	27♈18	16°R48	13♉42	20♏23	28°R14	13°R56	13♉56	13♋33	n.a.	T 1
F 2	8 24 5	7°52'41	15°32	12°12	16°20	7°41	27°25	16♎47	13°42	20°24	28♍14	13♉52	13°53	13°40	n.a.	F 2
S 3	8 28 1	8°52'38	28°32	13°30	17°31	8°20	27°32	16°47	13°42	20°25	28°13	13°50	13°50	13°46	n.a.	S 3
S 4	8 31 58	9°52'33	11♏53	14°49	18°42	8°59	27°39	16°47	13°43	20°25	28°12	13°50	13°47	13°53	n.a.	S 4
M 5	8 35 54	10°52'26	25°35	16°10	19°53	9°38	27°47	16°46	13°43	20°26	28°11	13°50	13°44	14° 0	n.a.	M 5
T 6	8 39 51	11°52'18	9♐41	17°32	21° 4	10°17	27°54	16°46	13°44	20°27	28°10	13°48	13°41	14° 6	n.a.	T 6
W 7	8 43 47	12°52'08	24°11	18°56	22°14	10°56	28° 2	16°45	13°44	20°28	28° 9	13°45	13°37	14°13	n.a.	W 7
T 8	8 47 44	13°51'56	9♑ 1	20°21	23°25	11°34	28°10	16°44	13°45	20°28	28° 8	13°38	13°34	14°20	n.a.	T 8
F 9	8 51 40	14°51'43	24° 6	21°48	24°35	12°13	28°17	16°43	13°46	20°29	28° 7	13°29	13°31	14°27	n.a.	F 9
S 10	8 55 37	15°51'27	9♒15	23°16	25°45	12°52	28°26	16°42	13°46	20°29	28° 5	13°18	13°28	14°33	n.a.	S 10
S 11	8 59 34	16°51'09	24°20	24°45	26°55	13°31	28°34	16°41	13°47	20°30	28° 4	13° 6	13°25	14°40	n.a.	S 11
M12	9 3 30	17°50'49	9♓ 9	26°16	28° 5	14°10	28°42	16°40	13°48	20°30	28° 3	12°55	13°22	14°47	n.a.	M12
T 13	9 7 27	18°50'27	23°34	27°48	29°15	14°49	28°50	16°39	13°49	20°31	28° 2	12°46	13°18	14°53	n.a.	T 13
W14	9 11 23	19°50'02	7♈31	29°21	0♈25	15°28	28°59	16°37	13°50	20°31	28° 1	12°40	13°15	15° 0	n.a.	W14
T 15	9 15 20	20°49'35	20°59	0♒55	1°35	16° 7	29° 8	16°36	13°51	20°32	28° 0	12°36	13°12	15° 7	n.a.	T 15
F 16	9 19 16	21°49'05	3♉59	2°31	2°44	16°45	29°17	16°34	13°52	20°32	27°58	12°34	13° 9	15°14	n.a.	F 16
S 17	9 23 13	22°48'33	16°34	4° 8	3°53	17°24	29°26	16°32	13°53	20°32	27°57	12°34	13° 6	15°20	n.a.	S 17
S 18	9 27 9	23°47'59	28°51	5°47	5° 2	18° 3	29°35	16°31	13°54	20°33	27°56	12°34	13° 2	15°27	n.a.	S 18
M19	9 31 6	24°47'22	10♊53	7°26	6°11	18°42	29°44	16°29	13°55	20°33	27°54	12°33	12°59	15°34	n.a.	M19
T 20	9 35 3	25°46'43	22°47	9° 7	7°20	19°21	29°53	16°27	13°56	20°33	27°53	12°30	12°56	15°40	n.a.	T 20
W21	9 38 59	26°46'02	4♋36	10°50	8°29	19°59	0♉ 3	16°25	13°58	20°33	27°52	12°25	12°53	15°47	n.a.	W21
T 22	9 42 56	27°45'18	16°26	12°33	9°37	20°38	0°12	16°23	13°59	20°34	27°50	12°16	12°50	15°54	n.a.	T 22
F 23	9 46 52	28°44'32	28°20	14°18	10°46	21°17	0°22	16°20	14° 0	20°34	27°49	12° 6	12°47	16° 0	n.a.	F 23
S 24	9 50 49	29°43'43	10♌20	16° 5	11°54	21°56	0°32	16°18	14° 2	20°34	27°47	11°53	12°43	16° 7	n.a.	S 24
S 25	9 54 45	0♓42'52	22°28	17°52	13° 2	22°34	0°41	16°16	14° 3	20°34	27°46	11°40	12°40	16°14	n.a.	S 25
M26	9 58 42	1°41'59	4♍45	19°41	14° 9	23°13	0°51	16°13	14° 5	20°R34	27°45	11°27	12°37	16°21	n.a.	M26
T 27	10 2 38	2°41'04	17°11	21°32	15°17	23°52	1° 2	16°11	14° 7	20°34	27°43	11°16	12°34	16°27	n.a.	T 27
W28	10 6 35	3♓40'07	29♍48	23♒23	16♈24	24♈30	1♉12	16♎ 8	14♉ 8	20♏34	27♍42	11♉ 7	12♉31	16♋34	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s48	1n55	3n19	24s 0	0s42	6s17	0s23	3n 6	0n17	9n51	0s51	4s15	2n38	15n58	0s12	16s30	1n39	16n34	17n23	16n14	16n14	27n28		n.a.
F 2	18 32	3s59	2 24	24 1	0 50	5 46	0 20	3 22	0 18	9 54	0 51	4 15	2 38	15 58	0 12	16 30	1 39	16 35	17 23	16 13	16 13	27 28		n.a.
S 3	18 17	9 51	1 20	24 1	0 57	5 15	0 16	3 38	0 19	9 57	0 51	4 15	2 39	15 58	0 12	16 30	1 39	16 36	17 24	16 12	16 12	27 28		n.a.
S 4	18 1	15 26	0 10	23 59	1 5	4 43	0 13	3 54	0 20	10 0	0 51	4 14	2 39	15 58	0 12	16 30	1 39	16 37	17 24	16 12	16 11	27 28		n.a.
M 5	17 44	20 24	1s 2	23 57	1 12	4 12	0 9	4 10	0 20	10 2	0 50	4 14	2 39	15 58	0 12	16 30	1 39	16 37	17 25	16 12	16 10	27 27		n.a.
T 6	17 27	24 22	2 12	23 53	1 18	3 41	0 6	4 27	0 21	10 5	0 50	4 13	2 39	15 59	0 12	16 31	1 39	16 38	17 25	16 12	16 9	27 27		n.a.
W 7	17 10	26 53	3 16	23 47	1 24	3 9	0 2	4 43	0 22	10 8	0 50	4 13	2 40	15 59	0 12	16 31	1 39	16 39	17 26	16 10	16 8	27 27		n.a.
T 8	16 53	27 34	4 8	23 41	1 30	2 37	0n 2	4 59	0 22	10 11	0 50	4 12	2 40	15 59	0 12	16 31	1 39	16 40	17 26	16 8	16 7	27 26		n.a.
F 9	16 35	26 13	4 43	23 32	1 36	2 6	0 5	5 15	0 23	10 14	0 49	4 12	2 40	15 59	0 12	16 31	1 39	16 41	17 26	16 6	16 6	27 26		n.a.
S 10	16 18	22 58	4 59	23 23	1 41	1 34	0 9	5 31	0 24	10 18	0 49	4 11	2 40	16 0	0 12	16 31	1 39	16 41	17 27	16 2	16 5	27 26		n.a.
S 11	16 0	18 12	4 54	23 11	1 46	1 2	0 13	5 47	0 25	10 21	0 49	4 11	2 40	16 0	0 12	16 31	1 39	16 42	17 27	15 59	16 4	27 25		n.a.
M12	15 41	12 24	4 30	22 59	1 50	0 31	0 17	6 3	0 25	10 24	0 49	4 10	2 41	16 0	0 12	16 31	1 39	16 43	17 28	15 55	16 3	27 25		n.a.
T 13	15 23	6 4	3 48	22 44	1 54	0n 1	0 21	6 19	0 26	10 27	0 48	4 9	2 41	16 0	0 12	16 31	1 39	16 44	17 28	15 52	16 2	27 25		n.a.
W14	15 4	0n22	2 54	22 28	1 58	0 33	0 25	6 34	0 27	10 30	0 48	4 8	2 41	16 1	0 12	16 31	1 39	16 45	17 28	15 51	16 1	27 24		n.a.
T 15	14 45	6 34	1 52	22 11	2 1	1 4	0 29	6 50	0 27	10 34	0 48	4 8	2 41	16 1	0 12	16 31	1 39	16 46	17 29	15 49	16 0	27 24		n.a.
F 16	14 25	12 18	0 45	21 52	2 4	1 36	0 33	7 6	0 28	10 37	0 48	4 7	2 42	16 1	0 12	16 32	1 39	16 46	17 29	15 49	16 0	27 24		n.a.
S 17	14 6	17 21	0n21	21 31	2 6	2 7	0 37	7 22	0 29	10 41	0 47	4 6	2 42	16 2	0 12	16 32	1 39	16 47	17 29	15 49	15 59	27 23		n.a.
S 18	13 46	21 33	1 25	21 8	2 8	2 39	0 41	7 37	0 29	10 44	0 47	4 5	2 42	16 2	0 12	16 32	1 39	16 48	17 30	15 49	15 58	27 23		n.a.
M19	13 26	24 45	2 24	20 44	2 9	3 10	0 45	7 53	0 30	10 48	0 47	4 4	2 42	16 2	0 12	16 32	1 39	16 49	17 30	15 49	15 57	27 22		n.a.
T 20	13 6	26 49	3 16	20 18	2 10	3 42	0 49	8 8	0 30	10 51	0 47	4 3	2 42	16 3	0 12	16 32	1 39	16 50	17 30	15 48	15 56	27 22		n.a.
W21	12 45	27 39	3 59	19 50	2 11	4 13	0 53	8 24	0 31	10 55	0 47	4 2	2 43	16 3	0 12	16 32	1 40	16 51	17 31	15 46	15 55	27 22		n.a.
T 22	12 25	27 13	4 31	19 21	2 11	4 44	0 57	8 39	0 32	10 58	0 46	4 1	2 43	16 4	0 12	16 32	1 40	16 51	17 31	15 43	15 54	27 21		n.a.
F 23	12 4	25 32	4 52	18 50	2 10	5 15	1 1	8 54	0 32	11 2	0 46	4 0	2 43	16 4	0 12	16 32	1 40	16 52	17 31	15 40	15 53	27 21		n.a.
S 24	11 43	22 42	5 1	18 17	2 10	5 46	1 5	9 10	0 33	11 6	0 46	3 59	2 43	16 4	0 12	16 32	1 40	16 53	17 32	15 36	15 52	27 20		n.a.
S 25	11 22	18 51	4 56	17 42	2 8	6 17	1 10	9 25	0 33	11 9	0 46	3 58	2 43	16 5	0 12	16 32	1 40	16 54	17 32	15 32	15 51	27 20		n.a.
M26	11 1	14 11	4 37	17 6	2 6	6 47	1 14	9 40	0 34	11 13	0 45	3 57	2 44	16 5	0 12	16 32	1 40	16 55	17 32	15 28	15 50	27 19		n.a.
T 27	10 39	8 52	4 5	16 28	2 4	7 18	1 18	9 55	0 35	11 17	0 45	3 56	2 44	16 6	0 12	16 32	1 40	16 55	17 32	15 25	15 49	27 19		n.a.
W28	10s18	3n 8	3n20	15s48	2s 1	7n48	1n22	10n10	0n35	11n20	0s45	3s55	2n44	16n 6	0s12	16s31	1n40	16n56	17n33	15n22	15n48	27n18		n.a.

Julian Day Number = 1542116.5, Delta T = 04h36m55s
Ecliptic obliquity = 23°45'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'10, Lahiri = -10°44'09 Julian Calendar 1 Feb. 491 BCE == Greg. Calendar 27 Jan. 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

MARCH 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 10 31	4♓39'07	12♎35	25♒17	17♈32	25♈ 9	1♉22	16°R 5	14♉10	20°R34	27°R40	11°R 1	12♉28	16♋41	n.a.	T 1
F 2	10 14 28	5°38'06	25°33	27°11	18°39	25°48	1°32	16♎ 3	14°12	20♏34	27♍39	10♉58	12°24	16°47	n.a.	F 2
S 3	10 18 25	6°37'03	8♏44	29° 7	19°46	26°26	1°43	16° 0	14°13	20°34	27°37	10°D57	12°21	16°54	n.a.	S 3
S 4	10 22 21	7°35'58	22°10	1♓ 4	20°52	27° 5	1°54	15°57	14°15	20°33	27°35	10°57	12°18	17° 1	n.a.	S 4
M 5	10 26 18	8°34'51	5♐51	3° 3	21°59	27°44	2° 4	15°54	14°17	20°33	27°34	10°R58	12°15	17° 8	n.a.	M 5
T 6	10 30 14	9°33'43	19°49	5° 3	23° 5	28°22	2°15	15°51	14°19	20°33	27°32	10°57	12°12	17°14	n.a.	T 6
W 7	10 34 11	10°32'32	4♑ 4	7° 4	24°11	29° 1	2°26	15°48	14°21	20°33	27°31	10°55	12° 8	17°21	n.a.	W 7
T 8	10 38 7	11°31'20	18°35	9° 6	25°17	29°39	2°37	15°44	14°23	20°32	27°29	10°50	12° 5	17°28	n.a.	T 8
F 9	10 42 4	12°30'06	3♒17	11°10	26°22	0♉18	2°48	15°41	14°25	20°32	27°28	10°44	12° 2	17°34	n.a.	F 9
S 10	10 46 0	13°28'50	18° 3	13°14	27°28	0°56	2°59	15°38	14°27	20°32	27°26	10°35	11°59	17°41	n.a.	S 10
S 11	10 49 57	14°27'32	2♓47	15°19	28°33	1°35	3°10	15°34	14°29	20°31	27°24	10°26	11°56	17°48	n.a.	S 11
M12	10 53 54	15°26'12	17°20	17°25	29°38	2°14	3°22	15°31	14°31	20°31	27°23	10°18	11°53	17°55	n.a.	M12
T 13	10 57 50	16°24'50	1♈36	19°31	0♉42	2°52	3°33	15°27	14°33	20°30	27°21	10°11	11°49	18° 1	n.a.	T 13
W14	11 1 47	17°23'26	15°28	21°38	1°46	3°31	3°45	15°24	14°36	20°30	27°19	10° 6	11°46	18° 8	n.a.	W14
T 15	11 5 43	18°22'00	28°55	23°44	2°51	4° 9	3°56	15°20	14°38	20°29	27°18	10° 4	11°43	18°15	n.a.	T 15
F 16	11 9 40	19°20'31	11♉57	25°51	3°54	4°48	4° 8	15°16	14°40	20°29	27°16	10°D 3	11°40	18°21	n.a.	F 16
S 17	11 13 36	20°19'00	24°36	27°56	4°58	5°26	4°19	15°12	14°43	20°28	27°14	10° 4	11°37	18°28	n.a.	S 17
S 18	11 17 33	21°17'28	6♊56	0♈ 1	6° 1	6° 5	4°31	15° 9	14°45	20°28	27°13	10° 5	11°33	18°35	n.a.	S 18
M19	11 21 29	22°15'52	19° 2	2° 5	7° 4	6°43	4°43	15° 5	14°47	20°27	27°11	10°R 6	11°30	18°42	n.a.	M19
T 20	11 25 26	23°14'15	0♋58	4° 7	8° 7	7°21	4°55	15° 1	14°50	20°26	27° 9	10° 5	11°27	18°48	n.a.	T 20
W21	11 29 22	24°12'35	12°49	6° 8	9° 9	8° 0	5° 7	14°57	14°52	20°26	27° 8	10° 3	11°24	18°55	n.a.	W21
T 22	11 33 19	25°10'54	24°41	8° 6	10°11	8°38	5°19	14°53	14°55	20°25	27° 6	10° 0	11°21	19° 2	n.a.	T 22
F 23	11 37 16	26° 9'10	6♌38	10° 2	11°13	9°17	5°31	14°49	14°57	20°24	27° 4	9°54	11°18	19° 8	n.a.	F 23
S 24	11 41 12	27° 7'24	18°43	11°55	12°14	9°55	5°43	14°45	15° 0	20°24	27° 2	9°47	11°14	19°15	n.a.	S 24
S 25	11 45 9	28° 5'35	0♍58	13°45	13°15	10°33	5°56	14°40	15° 3	20°23	27° 1	9°40	11°11	19°22	n.a.	S 25
M26	11 49 5	29° 3'45	13°26	15°32	14°16	11°12	6° 8	14°36	15° 5	20°22	26°59	9°32	11° 8	19°29	n.a.	M26
T 27	11 53 2	0♈ 1'53	26° 8	17°15	15°16	11°50	6°20	14°32	15° 8	20°21	26°57	9°26	11° 5	19°35	n.a.	T 27
W28	11 56 58	0°59'59	9♎ 2	18°55	16°16	12°29	6°33	14°28	15°11	20°20	26°56	9°21	11° 2	19°42	n.a.	W28
T 29	12 0 55	1°58'03	22°10	20°31	17°15	13° 7	6°45	14°23	15°14	20°19	26°54	9°18	10°59	19°49	n.a.	T 29
F 30	12 4 51	2°56'06	5♏31	22° 4	18°14	13°45	6°58	14°19	15°16	20°18	26°52	9°D16	10°55	19°55	n.a.	F 30
S 31	12 8 48	3♈54'07	19♏ 2	23♈32	19♉13	14♉23	7♉10	14♎15	15♉19	20♏17	26♍51	9♉17	10♉52	20♋ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9s56	2s49	2n25	15s 6	1s57	8n18	1n26	10n25	0n36	11n24	0s45	3s53	2n44	16n 7	0s12	16s31	1n40	16n57	17n33	15n20	15n47	27n18			n.a.
F 2	9 34	8 45	1 21	14 23	1 53	8 48	1 31	10 39	0 36	11 28	0 45	3 52	2 44	16 7	0 12	16 31	1 40	16 58	17 33	15 19	15 46	27 17			n.a.
S 3	9 12	14 25	0 12	13 38	1 49	9 17	1 35	10 54	0 37	11 32	0 44	3 51	2 45	16 8	0 12	16 31	1 40	16 59	17 33	15 19	15 45	27 17			n.a.
S 4	8 50	19 30	0s59	12 51	1 44	9 47	1 39	11 9	0 37	11 36	0 44	3 50	2 45	16 9	0 12	16 31	1 40	17 0	17 33	15 19	15 44	27 16			n.a.
M 5	8 28	23 41	2 9	12 3	1 38	10 16	1 43	11 23	0 38	11 40	0 44	3 48	2 45	16 9	0 12	16 31	1 40	17 0	17 34	15 19	15 43	27 16			n.a.
T 6	8 5	26 33	3 12	11 13	1 32	10 45	1 47	11 38	0 38	11 44	0 44	3 47	2 45	16 10	0 12	16 31	1 40	17 1	17 34	15 19	15 42	27 15			n.a.
W 7	7 43	27 46	4 4	10 21	1 25	11 13	1 51	11 52	0 39	11 48	0 44	3 45	2 45	16 10	0 11	16 31	1 40	17 2	17 34	15 18	15 41	27 15			n.a.
T 8	7 20	27 6	4 42	9 28	1 18	11 42	1 56	12 7	0 39	11 52	0 43	3 44	2 45	16 11	0 11	16 31	1 40	17 3	17 34	15 16	15 40	27 14			n.a.
F 9	6 57	24 34	5 2	8 33	1 10	12 10	2 0	12 21	0 40	11 56	0 43	3 43	2 46	16 12	0 11	16 31	1 40	17 4	17 34	15 14	15 39	27 14			n.a.
S 10	6 35	20 24	5 2	7 37	1 2	12 38	2 4	12 35	0 40	12 0	0 43	3 41	2 46	16 12	0 11	16 30	1 40	17 4	17 34	15 12	15 38	27 13			n.a.
S 11	6 12	14 59	4 42	6 40	0 53	13 5	2 8	12 49	0 41	12 4	0 43	3 40	2 46	16 13	0 11	16 30	1 40	17 5	17 35	15 9	15 37	27 13			n.a.
M12	5 49	8 48	4 4	5 42	0 44	13 32	2 12	13 3	0 41	12 8	0 43	3 38	2 46	16 14	0 11	16 30	1 40	17 6	17 35	15 6	15 36	27 12			n.a.
T 13	5 26	2 16	3 11	4 43	0 34	13 59	2 16	13 17	0 42	12 12	0 43	3 37	2 46	16 14	0 11	16 30	1 40	17 7	17 35	15 4	15 35	27 11			n.a.
W14	5 3	4n12	2 8	3 44	0 24	14 26	2 20	13 31	0 42	12 16	0 42	3 35	2 46	16 15	0 11	16 30	1 41	17 7	17 35	15 2	15 34	27 11			n.a.
T 15	4 40	10 18	1 0	2 43	0 14	14 52	2 24	13 45	0 43	12 20	0 42	3 34	2 46	16 16	0 11	16 30	1 41	17 8	17 35	15 2	15 33	27 10			n.a.
F 16	4 16	15 47	0n10	1 43	0 3	15 18	2 28	13 58	0 43	12 24	0 42	3 32	2 47	16 16	0 11	16 29	1 41	17 9	17 35	15 1	15 32	27 10			n.a.
S 17	3 53	20 25	1 18	0 42	0n 8	15 43	2 31	14 12	0 44	12 28	0 42	3 30	2 47	16 17	0 11	16 29	1 41	17 10	17 35	15 2	15 31	27 9			n.a.
S 18	3 30	24 3	2 20	0n18	0 19	16 8	2 35	14 25	0 44	12 33	0 42	3 29	2 47	16 18	0 11	16 29	1 41	17 10	17 35	15 2	15 30	27 8			n.a.
M19	3 6	26 31	3 14	1 18	0 30	16 33	2 39	14 38	0 45	12 37	0 41	3 27	2 47	16 19	0 11	16 29	1 41	17 11	17 35	15 2	15 29	27 8			n.a.
T 20	2 43	27 45	4 0	2 18	0 42	16 58	2 43	14 52	0 45	12 41	0 41	3 26	2 47	16 19	0 11	16 29	1 41	17 12	17 35	15 2	15 28	27 7			n.a.
W21	2 20	27 41	4 34	3 16	0 53	17 21	2 46	15 5	0 46	12 45	0 41	3 24	2 47	16 20	0 11	16 28	1 41	17 12	17 35	15 2	15 27	27 6			n.a.
T 22	1 56	26 21	4 57	4 14	1 4	17 45	2 50	15 18	0 46	12 50	0 41	3 22	2 47	16 21	0 11	16 28	1 41	17 13	17 35	15 0	15 26	27 6			n.a.
F 23	1 33	23 49	5 8	5 10	1 14	18 8	2 54	15 31	0 46	12 54	0 41	3 21	2 47	16 22	0 11	16 28	1 41	17 14	17 35	14 59	15 25	27 5			n.a.
S 24	1 9	20 14	5 5	6 4	1 25	18 31	2 57	15 43	0 47	12 58	0 41	3 19	2 47	16 22	0 11	16 28	1 41	17 15	17 35	14 56	15 24	27 5			n.a.
S 25	0 46	15 44	4 47	6 57	1 35	18 53	3 0	15 56	0 47	13 2	0 40	3 17	2 47	16 23	0 11	16 27	1 41	17 15	17 35	14 54	15 23	27 4			n.a.
M26	0 23	10 32	4 17	7 48	1 45	19 15	3 4	16 9	0 48	13 7	0 40	3 16	2 47	16 24	0 11	16 27	1 41	17 16	17 35	14 52	15 22	27 3			n.a.
T 27	0n 1	4 48	3 32	8 37	1 54	19 36	3 7	16 21	0 48	13 11	0 40	3 14	2 48	16 25	0 11	16 27	1 41	17 16	17 35	14 49	15 21	27 2			n.a.
W28	0 24	1s14	2 37	9 23	2 2	19 57	3 10	16 33	0 49	13 15	0 40	3 12	2 48	16 26	0 11	16 27	1 41	17 17	17 35	14 48	15 20	27 2			n.a.
T 29	0 48	7 20	1 32	10 8	2 10	20 17	3 13	16 46	0 49	13 19	0 40	3 11	2 48	16 26	0 11	16 26	1 41	17 18	17 35	14 47	15 19	27 1			n.a.
F 30	1 11	13 13	0 20	10 49	2 18	20 37	3 16	16 58	0 49	13 24	0 40	3 9	2 48	16 27	0 11	16 26	1 41	17 18	17 35	14 46	15 18	27 0			n.a.
S 31	1n34	18s34	0s53	11n29	2n24	20n57	3n19	17n10	0n50	13n28	0s40	3s 7	2n48	16n28	0s11	16s26	1n41	17n19	17n35	14n47	15n17	27n 0			n.a.

Julian Day Number = 1542144.5, Delta T = 04h36m54s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'06, Lahiri = -10°44'05 Julian Calendar 1 March 491 BCE == Greg. Calendar 24 Feb. 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

APRIL 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 12 45	4♈52'06	2♐45	24♈56	20♉11	15♉ 2	7♉23	14°R10	15♉22	20°R16	26°R49	9♉18	10♉49	20♋ 9	n.a.	S 1
M 2	12 16 41	5°50'04	16°38	26°16	21° 9	15°40	7°36	14♎ 6	15°25	20♏15	26♍47	9°19	10°46	20°16	n.a.	M 2
T 3	12 20 38	6°48'01	0♑40	27°32	22° 6	16°18	7°49	14° 2	15°28	20°14	26°46	9°R20	10°43	20°22	n.a.	T 3
W 4	12 24 34	7°45'57	14°51	28°43	23° 3	16°57	8° 1	13°57	15°31	20°13	26°44	9°20	10°39	20°29	n.a.	W 4
T 5	12 28 31	8°43'51	29° 8	29°50	23°59	17°35	8°14	13°53	15°34	20°12	26°42	9°19	10°36	20°36	n.a.	T 5
F 6	12 32 27	9°41'43	13♒28	0♉53	24°55	18°13	8°27	13°48	15°37	20°11	26°41	9°16	10°33	20°42	n.a.	F 6
S 7	12 36 24	10°39'34	27°49	1°51	25°50	18°51	8°40	13°44	15°40	20°10	26°39	9°13	10°30	20°49	n.a.	S 7
S 8	12 40 20	11°37'24	12♓ 5	2°44	26°45	19°29	8°53	13°40	15°43	20° 9	26°37	9° 9	10°27	20°56	n.a.	S 8
M 9	12 44 17	12°35'12	26°12	3°33	27°39	20° 8	9° 6	13°35	15°46	20° 8	26°36	9° 5	10°24	21° 3	n.a.	M 9
T 10	12 48 14	13°32'59	10♈ 4	4°17	28°33	20°46	9°19	13°31	15°49	20° 6	26°34	9° 2	10°20	21° 9	n.a.	T 10
W11	12 52 10	14°30'45	23°39	4°57	29°26	21°24	9°32	13°26	15°52	20° 5	26°33	9° 0	10°17	21°16	n.a.	W11
T 12	12 56 7	15°28'28	6♉55	5°31	0♊18	22° 2	9°45	13°22	15°55	20° 4	26°31	8°D59	10°14	21°23	n.a.	T 12
F 13	13 0 3	16°26'11	19°51	6° 1	1°10	22°40	9°59	13°17	15°59	20° 3	26°29	8°59	10°11	21°29	n.a.	F 13
S 14	13 4 0	17°23'52	2♊28	6°25	2° 1	23°19	10°12	13°13	16° 2	20° 1	26°28	9° 1	10° 8	21°36	n.a.	S 14
S 15	13 7 56	18°21'31	14°48	6°45	2°51	23°57	10°25	13° 8	16° 5	20° 0	26°26	9° 2	10° 5	21°43	n.a.	S 15
M16	13 11 53	19°19'08	26°55	7° 0	3°41	24°35	10°38	13° 4	16° 8	19°59	26°25	9° 4	10° 1	21°50	n.a.	M16
T 17	13 15 49	20°16'44	8♋53	7°10	4°30	25°13	10°52	13° 0	16°12	19°57	26°23	9° 5	9°58	21°56	n.a.	T 17
W18	13 19 46	21°14'19	20°46	7°15	5°18	25°51	11° 5	12°55	16°15	19°56	26°22	9°R 5	9°55	22° 3	n.a.	W18
T 19	13 23 43	22°11'51	2♌40	7°R16	6° 5	26°29	11°19	12°51	16°18	19°55	26°20	9° 5	9°52	22°10	n.a.	T 19
F 20	13 27 39	23° 9'23	14°38	7°11	6°52	27° 7	11°32	12°46	16°21	19°53	26°19	9° 4	9°49	22°16	n.a.	F 20
S 21	13 31 36	24° 6'52	26°45	7° 3	7°37	27°45	11°45	12°42	16°25	19°52	26°17	9° 2	9°45	22°23	n.a.	S 21
S 22	13 35 32	25° 4'20	9♍ 5	6°50	8°22	28°24	11°59	12°38	16°28	19°50	26°16	9° 0	9°42	22°30	n.a.	S 22
M23	13 39 29	26° 1'47	21°41	6°33	9° 6	29° 2	12°12	12°34	16°32	19°49	26°15	8°58	9°39	22°37	n.a.	M23
T 24	13 43 25	26°59'13	4♎34	6°12	9°49	29°40	12°26	12°29	16°35	19°48	26°13	8°57	9°36	22°43	n.a.	T 24
W25	13 47 22	27°56'37	17°45	5°48	10°31	0♊18	12°39	12°25	16°38	19°46	26°12	8°55	9°33	22°50	n.a.	W25
T 26	13 51 18	28°54'00	1♏14	5°21	11°11	0°56	12°53	12°21	16°42	19°45	26°10	8°55	9°30	22°57	n.a.	T 26
F 27	13 55 15	29°51'22	14°59	4°52	11°51	1°34	13° 7	12°17	16°45	19°43	26° 9	8°D55	9°26	23° 3	n.a.	F 27
S 28	13 59 11	0♉48'43	28°57	4°20	12°30	2°12	13°20	12°13	16°49	19°42	26° 8	8°55	9°23	23°10	n.a.	S 28
S 29	14 3 8	1°46'03	13♐ 5	3°48	13° 7	2°50	13°34	12° 9	16°52	19°40	26° 6	8°56	9°20	23°17	n.a.	S 29
M30	14 7 5	2♉43'23	27♐20	3♉14	13♊43	3♊28	13♉47	12♎ 4	16♉56	19♏39	26♍ 5	8♉56	9♉17	23♋24	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n58	23s 1	2s 4	12n 6	2n30	21n16	3n22	17n21	0n50	13n32	0s39	3s 5	2n48	16n29	0s11	16s25	1n41	17n20	17n35	14n47	15n16	26n59		n.a.
M 2	2 21	26 13	3 10	12 40	2 35	21 34	3 25	17 33	0 51	13 37	0 39	3 4	2 48	16 30	0 11	16 25	1 41	17 20	17 35	14 47	15 15	26 58		n.a.
T 3	2 44	27 49	4 4	13 12	2 39	21 52	3 27	17 45	0 51	13 41	0 39	3 2	2 48	16 31	0 11	16 25	1 41	17 21	17 35	14 48	15 14	26 57		n.a.
W 4	3 7	27 38	4 44	13 41	2 42	22 9	3 30	17 56	0 51	13 45	0 39	3 0	2 48	16 32	0 11	16 25	1 41	17 21	17 35	14 48	15 13	26 57		n.a.
T 5	3 30	25 37	5 7	14 7	2 45	22 26	3 32	18 8	0 52	13 50	0 39	2 58	2 48	16 33	0 11	16 24	1 41	17 22	17 34	14 47	15 12	26 56		n.a.
F 6	3 53	21 58	5 11	14 31	2 46	22 43	3 35	18 19	0 52	13 54	0 39	2 57	2 48	16 33	0 11	16 24	1 41	17 22	17 34	14 46	15 11	26 55		n.a.
S 7	4 16	17 1	4 56	14 52	2 47	22 58	3 37	18 30	0 52	13 58	0 38	2 55	2 48	16 34	0 11	16 24	1 41	17 23	17 34	14 45	15 10	26 54		n.a.
S 8	4 39	11 9	4 23	15 11	2 46	23 14	3 39	18 41	0 53	14 3	0 38	2 53	2 48	16 35	0 11	16 23	1 41	17 23	17 34	14 44	15 9	26 54		n.a.
M 9	5 2	4 47	3 33	15 26	2 45	23 28	3 41	18 52	0 53	14 7	0 38	2 51	2 48	16 36	0 11	16 23	1 42	17 24	17 34	14 43	15 8	26 53		n.a.
T 10	5 25	1n43	2 32	15 39	2 42	23 43	3 43	19 2	0 53	14 11	0 38	2 50	2 48	16 37	0 11	16 22	1 42	17 24	17 34	14 42	15 7	26 52		n.a.
W11	5 48	8 1	1 23	15 50	2 39	23 56	3 44	19 13	0 54	14 16	0 38	2 48	2 48	16 38	0 11	16 22	1 42	17 25	17 33	14 41	15 6	26 51		n.a.
T 12	6 10	13 49	0 11	15 57	2 34	24 9	3 46	19 23	0 54	14 20	0 38	2 46	2 48	16 39	0 11	16 22	1 42	17 25	17 33	14 41	15 5	26 50		n.a.
F 13	6 33	18 53	0n59	16 2	2 29	24 22	3 47	19 34	0 54	14 24	0 38	2 44	2 48	16 40	0 11	16 21	1 42	17 26	17 33	14 41	15 4	26 50		n.a.
S 14	6 55	22 59	2 6	16 4	2 22	24 34	3 48	19 44	0 55	14 29	0 38	2 43	2 48	16 41	0 11	16 21	1 42	17 26	17 33	14 41	15 3	26 49		n.a.
S 15	7 17	25 56	3 4	16 3	2 14	24 45	3 49	19 54	0 55	14 33	0 37	2 41	2 48	16 42	0 11	16 21	1 42	17 26	17 33	14 42	15 2	26 48		n.a.
M16	7 40	27 37	3 54	16 0	2 5	24 56	3 50	20 4	0 55	14 37	0 37	2 39	2 48	16 43	0 11	16 20	1 42	17 27	17 32	14 42	15 1	26 47		n.a.
T 17	8 2	27 59	4 33	15 54	1 56	25 6	3 51	20 13	0 56	14 42	0 37	2 38	2 48	16 44	0 11	16 20	1 42	17 27	17 32	14 43	15 0	26 46		n.a.
W18	8 23	27 3	4 59	15 46	1 45	25 16	3 52	20 23	0 56	14 46	0 37	2 36	2 48	16 45	0 11	16 20	1 42	17 28	17 32	14 43	14 59	26 45		n.a.
T 19	8 45	24 54	5 13	15 35	1 33	25 25	3 52	20 32	0 56	14 50	0 37	2 34	2 48	16 46	0 11	16 19	1 42	17 28	17 32	14 43	14 58	26 44		n.a.
F 20	9 7	21 39	5 14	15 21	1 20	25 33	3 52	20 42	0 57	14 55	0 37	2 33	2 47	16 47	0 11	16 19	1 42	17 28	17 31	14 42	14 57	26 44		n.a.
S 21	9 28	17 27	5 0	15 5	1 6	25 41	3 52	20 51	0 57	14 59	0 37	2 31	2 47	16 48	0 11	16 18	1 42	17 29	17 31	14 42	14 56	26 43		n.a.
S 22	9 50	12 28	4 33	14 47	0 52	25 49	3 52	21 0	0 57	15 3	0 36	2 29	2 47	16 49	0 11	16 18	1 42	17 29	17 31	14 41	14 55	26 42		n.a.
M23	10 11	6 53	3 52	14 27	0 36	25 55	3 52	21 9	0 58	15 8	0 36	2 28	2 47	16 50	0 11	16 18	1 42	17 29	17 30	14 41	14 54	26 41		n.a.
T 24	10 32	0 53	2 59	14 5	0 21	26 2	3 51	21 17	0 58	15 12	0 36	2 26	2 47	16 51	0 11	16 17	1 42	17 29	17 30	14 40	14 53	26 40		n.a.
W25	10 53	5s18	1 54	13 42	0 4	26 7	3 50	21 26	0 58	15 16	0 36	2 25	2 47	16 52	0 11	16 17	1 42	17 30	17 30	14 40	14 52	26 39		n.a.
T 26	11 14	11 24	0 42	13 17	0s13	26 12	3 49	21 34	0 58	15 20	0 36	2 23	2 47	16 53	0 11	16 16	1 42	17 30	17 29	14 40	14 51	26 38		n.a.
F 27	11 34	17 5	0s34	12 51	0 30	26 17	3 48	21 42	0 59	15 25	0 36	2 22	2 47	16 54	0 11	16 16	1 42	17 30	17 29	14 39	14 50	26 37		n.a.
S 28	11 55	21 57	1 49	12 24	0 47	26 20	3 47	21 50	0 59	15 29	0 36	2 20	2 47	16 55	0 11	16 15	1 42	17 30	17 29	14 40	14 49	26 36		n.a.
S 29	12 15	25 37	2 58	11 57	1 4	26 24	3 45	21 58	0 59	15 33	0 36	2 19	2 47	16 56	0 11	16 15	1 42	17 31	17 28	14 40	14 48	26 35		n.a.
M30	12n35	27s41	3s57	11n29	1s21	26n26	3n43	22n 6	0n59	15n37	0s36	2s17	2n46	16n57	0s11	16s15	1n42	17n31	17n28	14n40	14n47	26n34		n.a.

Julian Day Number = 1542175.5, Delta T = 04h36m53s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°51'02, Lahiri = -10°44'01 Julian Calendar 1 Apr. 491 BCE == Greg. Calendar 27 March 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

MAY 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 11 1	3♉40'41	11♑38	2°R41	14♊18	4♊ 6	14♉ 1	12°R 0	16♉59	19°R37	26°R 4	8♉57	9♉14	23♋30	n.a.	T 1
W 2	14 14 58	4°38'00	25°55	2♉ 7	14°52	4°44	14°15	11♎57	17° 2	19♏36	26♍ 3	8°57	9°10	23°37	n.a.	W 2
T 3	14 18 54	5°35'17	10♒ 9	1°35	15°24	5°22	14°28	11°53	17° 6	19°34	26° 1	8°R57	9° 7	23°44	n.a.	T 3
F 4	14 22 51	6°32'34	24°18	1° 4	15°55	6° 0	14°42	11°49	17° 9	19°32	26° 0	8°57	9° 4	23°50	n.a.	F 4
S 5	14 26 47	7°29'51	8♓18	0°35	16°24	6°38	14°56	11°45	17°13	19°31	25°59	8°57	9° 1	23°57	n.a.	S 5
S 6	14 30 44	8°27'06	22° 8	0° 8	16°52	7°16	15°10	11°41	17°16	19°29	25°58	8°57	8°58	24° 4	n.a.	S 6
M 7	14 34 41	9°24'22	5♈47	29♈45	17°19	7°54	15°23	11°38	17°20	19°28	25°57	8°D57	8°55	24°11	n.a.	M 7
T 8	14 38 37	10°21'36	19°13	29°24	17°44	8°32	15°37	11°34	17°24	19°26	25°56	8°57	8°51	24°17	n.a.	T 8
W 9	14 42 34	11°18'50	2♉25	29° 8	18° 7	9°10	15°51	11°30	17°27	19°25	25°55	8°R57	8°48	24°24	n.a.	W 9
T 10	14 46 30	12°16'04	15°22	28°55	18°28	9°48	16° 4	11°27	17°31	19°23	25°54	8°57	8°45	24°31	n.a.	T 10
F 11	14 50 27	13°13'17	28° 5	28°46	18°48	10°26	16°18	11°23	17°34	19°21	25°53	8°57	8°42	24°38	n.a.	F 11
S 12	14 54 23	14°10'29	10♊33	28°D42	19° 5	11° 4	16°32	11°20	17°38	19°20	25°52	8°56	8°39	24°44	n.a.	S 12
S 13	14 58 20	15° 7'40	22°48	28°42	19°21	11°42	16°46	11°17	17°41	19°18	25°51	8°56	8°36	24°51	n.a.	S 13
M14	15 2 16	16° 4'51	4♋53	28°46	19°35	12°20	16°59	11°13	17°45	19°17	25°50	8°55	8°32	24°58	n.a.	M14
T 15	15 6 13	17° 2'01	16°50	28°56	19°47	12°57	17°13	11°10	17°48	19°15	25°49	8°54	8°29	25° 4	n.a.	T 15
W16	15 10 10	17°59'11	28°44	29° 9	19°57	13°35	17°27	11° 7	17°52	19°13	25°48	8°53	8°26	25°11	n.a.	W16
T 17	15 14 6	18°56'19	10♌37	29°28	20° 4	14°13	17°41	11° 4	17°55	19°12	25°47	8°52	8°23	25°18	n.a.	T 17
F 18	15 18 3	19°53'27	22°35	29°50	20°10	14°51	17°54	11° 1	17°59	19°10	25°46	8°D52	8°20	25°25	n.a.	F 18
S 19	15 21 59	20°50'35	4♍41	0♉18	20°13	15°29	18° 8	10°58	18° 3	19° 8	25°46	8°53	8°16	25°31	n.a.	S 19
S 20	15 25 56	21°47'41	17° 1	0°50	20°R14	16° 7	18°22	10°55	18° 6	19° 7	25°45	8°53	8°13	25°38	n.a.	S 20
M21	15 29 52	22°44'47	29°39	1°26	20°12	16°45	18°36	10°52	18°10	19° 5	25°44	8°55	8°10	25°45	n.a.	M21
T 22	15 33 49	23°41'53	12♎37	2° 7	20° 8	17°23	18°49	10°50	18°13	19° 4	25°43	8°56	8° 7	25°51	n.a.	T 22
W23	15 37 45	24°38'58	25°58	2°52	20° 2	18° 1	19° 3	10°47	18°17	19° 2	25°43	8°57	8° 4	25°58	n.a.	W23
T 24	15 41 42	25°36'03	9♏42	3°41	19°53	18°39	19°17	10°45	18°20	19° 0	25°42	8°R57	8° 1	26° 5	n.a.	T 24
F 25	15 45 39	26°33'08	23°48	4°35	19°42	19°17	19°30	10°42	18°24	18°59	25°42	8°56	7°57	26°12	n.a.	F 25
S 26	15 49 35	27°30'12	8♐11	5°33	19°29	19°55	19°44	10°40	18°27	18°57	25°41	8°55	7°54	26°18	n.a.	S 26
S 27	15 53 32	28°27'17	22°47	6°34	19°13	20°33	19°58	10°38	18°31	18°56	25°40	8°53	7°51	26°25	n.a.	S 27
M28	15 57 28	29°24'22	7♑28	7°40	18°54	21°10	20°11	10°35	18°34	18°54	25°40	8°50	7°48	26°32	n.a.	M28
T 29	16 1 25	0♊21'26	22° 9	8°50	18°34	21°48	20°25	10°33	18°38	18°52	25°39	8°48	7°45	26°39	n.a.	T 29
W30	16 5 21	1°18'31	6♒42	10° 3	18°11	22°26	20°39	10°31	18°41	18°51	25°39	8°46	7°42	26°45	n.a.	W30
T 31	16 9 18	2♊15'37	21♒ 4	11♉21	17♊47	23♊ 4	20♉52	10♎29	18♉45	18♏49	25♍39	8♉44	7♉38	26♋52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12n54	27s55	4s42	11n 2	1s38	26n28	3n41	22n13	1n 0	15n42	0s35	2s16	2n46	16n58	0s11	16s14	1n42	17n31	17n28	14n40	14n46	26n33			n.a.
W 2	13 14	26 17	5 9	10 36	1 54	26 30	3 38	22 21	1 0	15 46	0 35	2 14	2 46	16 59	0 11	16 14	1 42	17 31	17 27	14 40	14 45	26 32			n.a.
T 3	13 34	23 0	5 17	10 10	2 9	26 31	3 35	22 28	1 0	15 50	0 35	2 13	2 46	17 0	0 11	16 13	1 42	17 31	17 27	14 40	14 44	26 31			n.a.
F 4	13 53	18 23	5 5	9 45	2 24	26 31	3 32	22 35	1 0	15 54	0 35	2 11	2 46	17 1	0 11	16 13	1 42	17 31	17 26	14 40	14 43	26 30			n.a.
S 5	14 12	12 49	4 36	9 22	2 37	26 31	3 29	22 42	1 1	15 58	0 35	2 10	2 46	17 2	0 11	16 12	1 42	17 31	17 26	14 40	14 41	26 29			n.a.
S 6	14 30	6 41	3 51	9 1	2 50	26 30	3 25	22 49	1 1	16 3	0 35	2 9	2 46	17 3	0 11	16 12	1 42	17 32	17 26	14 40	14 40	26 28			n.a.
M 7	14 49	0 19	2 54	8 42	3 2	26 29	3 21	22 55	1 1	16 7	0 35	2 7	2 46	17 4	0 11	16 12	1 42	17 32	17 25	14 40	14 39	26 27			n.a.
T 8	15 7	5n58	1 47	8 25	3 12	26 27	3 17	23 2	1 1	16 11	0 35	2 6	2 45	17 5	0 11	16 11	1 42	17 32	17 25	14 40	14 38	26 26			n.a.
W 9	15 25	11 55	0 36	8 10	3 22	26 24	3 12	23 8	1 2	16 15	0 35	2 5	2 45	17 6	0 11	16 11	1 42	17 32	17 24	14 40	14 37	26 25			n.a.
T 10	15 43	17 14	0n36	7 58	3 30	26 21	3 7	23 14	1 2	16 19	0 34	2 4	2 45	17 7	0 11	16 10	1 42	17 32	17 24	14 40	14 36	26 24			n.a.
F 11	16 1	21 41	1 44	7 48	3 37	26 18	3 2	23 20	1 2	16 23	0 34	2 2	2 45	17 8	0 11	16 10	1 42	17 32	17 23	14 40	14 35	26 23			n.a.
S 12	16 18	25 4	2 46	7 42	3 42	26 13	2 56	23 26	1 2	16 27	0 34	2 1	2 45	17 9	0 11	16 9	1 42	17 32	17 23	14 40	14 34	26 22			n.a.
S 13	16 35	27 13	3 40	7 37	3 47	26 9	2 50	23 31	1 3	16 31	0 34	2 0	2 45	17 10	0 11	16 9	1 42	17 32	17 22	14 40	14 33	26 21			n.a.
M14	16 52	28 2	4 22	7 36	3 50	26 3	2 43	23 37	1 3	16 35	0 34	1 59	2 44	17 11	0 11	16 9	1 42	17 32	17 22	14 39	14 32	26 20			n.a.
T 15	17 9	27 32	4 53	7 37	3 52	25 57	2 36	23 42	1 3	16 39	0 34	1 58	2 44	17 12	0 11	16 8	1 42	17 31	17 21	14 39	14 31	26 19			n.a.
W16	17 25	25 46	5 11	7 41	3 54	25 51	2 29	23 47	1 3	16 43	0 34	1 57	2 44	17 13	0 11	16 8	1 42	17 31	17 21	14 39	14 30	26 18			n.a.
T 17	17 41	22 52	5 16	7 47	3 53	25 43	2 21	23 52	1 3	16 47	0 34	1 56	2 44	17 14	0 11	16 7	1 42	17 31	17 20	14 39	14 29	26 17			n.a.
F 18	17 57	19 0	5 7	7 57	3 52	25 36	2 13	23 56	1 4	16 51	0 34	1 55	2 44	17 15	0 11	16 7	1 42	17 31	17 20	14 39	14 28	26 16			n.a.
S 19	18 12	14 19	4 45	8 8	3 50	25 27	2 4	24 1	1 4	16 55	0 34	1 54	2 43	17 16	0 11	16 6	1 42	17 31	17 19	14 39	14 27	26 15			n.a.
S 20	18 27	9 0	4 9	8 22	3 47	25 18	1 55	24 5	1 4	16 59	0 34	1 53	2 43	17 17	0 10	16 6	1 42	17 31	17 19	14 39	14 26	26 14			n.a.
M21	18 42	3 12	3 20	8 38	3 43	25 9	1 46	24 9	1 4	17 3	0 33	1 52	2 43	17 18	0 10	16 5	1 42	17 31	17 18	14 39	14 25	26 13			n.a.
T 22	18 57	2s54	2 20	8 57	3 39	24 59	1 36	24 13	1 4	17 7	0 33	1 51	2 43	17 19	0 10	16 5	1 42	17 31	17 18	14 40	14 24	26 11			n.a.
W23	19 11	9 4	1 11	9 18	3 33	24 48	1 26	24 17	1 5	17 11	0 33	1 50	2 43	17 20	0 10	16 5	1 42	17 30	17 17	14 40	14 23	26 10			n.a.
T 24	19 25	14 59	0s 4	9 40	3 27	24 36	1 15	24 20	1 5	17 15	0 33	1 49	2 42	17 21	0 10	16 4	1 42	17 30	17 17	14 40	14 22	26 9			n.a.
F 25	19 38	20 17	1 21	10 5	3 20	24 24	1 4	24 24	1 5	17 19	0 33	1 49	2 42	17 22	0 10	16 4	1 42	17 30	17 16	14 40	14 21	26 8			n.a.
S 26	19 52	24 30	2 34	10 32	3 12	24 12	0 52	24 27	1 5	17 22	0 33	1 48	2 42	17 23	0 10	16 3	1 42	17 30	17 16	14 40	14 20	26 7			n.a.
S 27	20 5	27 11	3 38	11 0	3 4	23 59	0 40	24 30	1 5	17 26	0 33	1 47	2 42	17 24	0 10	16 3	1 42	17 29	17 15	14 39	14 19	26 6			n.a.
M28	20 17	28 1	4 29	11 30	2 55	23 45	0 28	24 33	1 5	17 30	0 33	1 47	2 41	17 25	0 10	16 2	1 42	17 29	17 15	14 38	14 18	26 5			n.a.
T 29	20 30	26 51	5 1	12 2	2 45	23 30	0 15	24 35	1 6	17 34	0 33	1 46	2 41	17 26	0 10	16 2	1 42	17 29	17 14	14 37	14 17	26 3			n.a.
W30	20 42	23 54	5 14	12 34	2 35	23 16	0 2	24 38	1 6	17 37	0 33	1 45	2 41	17 27	0 10	16 2	1 42	17 28	17 14	14 37	14 16	26 2			n.a.
T 31	20n53	19s30	5s 7	13n 9	2s25	23n 0	0s11	24n40	1n 6	17n41	0s33	1s45	2n41	17n28	0s10	16s 1	1n42	17n28	17n13	14n36	14n15	26n 1			n.a.

Julian Day Number = 1542205.5, Delta T = 04h36m51s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'58, Lahiri = -10°43'57 Julian Calendar 1 May 491 BCE == Greg. Calendar 26 Apr. 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

JUNE 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 13 15	3♊12'42	5♓10	12♉42	17°R20	23♊42	21♉ 6	10°R27	18♉48	18°R48	25°R38	8°D44	7♉35	26♋59	n.a.	F 1
S 2	16 17 11	4° 9'48	19° 0	14° 7	16♊51	24°20	21°19	10♎26	18°52	18♏46	25♍38	8♉45	7°32	27° 5	n.a.	S 2
S 3	16 21 8	5° 6'54	2♈34	15°36	16°21	24°58	21°33	10°24	18°55	18°45	25°38	8°46	7°29	27°12	n.a.	S 3
M 4	16 25 4	6° 4'01	15°51	17° 8	15°49	25°36	21°46	10°22	18°59	18°43	25°37	8°47	7°26	27°19	n.a.	M 4
T 5	16 29 1	7° 1'08	28°54	18°44	15°16	26°14	22° 0	10°21	19° 2	18°42	25°37	8°49	7°22	27°26	n.a.	T 5
W 6	16 32 57	7°58'16	11♉44	20°23	14°41	26°52	22°13	10°19	19° 6	18°40	25°37	8°R49	7°19	27°32	n.a.	W 6
T 7	16 36 54	8°55'24	24°21	22° 6	14° 6	27°30	22°27	10°18	19° 9	18°39	25°37	8°48	7°16	27°39	n.a.	T 7
F 8	16 40 50	9°52'33	6♊47	23°52	13°30	28° 8	22°40	10°17	19°12	18°37	25°36	8°45	7°13	27°46	n.a.	F 8
S 9	16 44 47	10°49'41	19° 4	25°41	12°53	28°46	22°54	10°16	19°16	18°36	25°36	8°41	7°10	27°52	n.a.	S 9
S 10	16 48 44	11°46'51	1♋11	27°33	12°16	29°24	23° 7	10°15	19°19	18°34	25°36	8°36	7° 7	27°59	n.a.	S 10
M11	16 52 40	12°44'00	13°11	29°28	11°38	0♋ 1	23°20	10°14	19°22	18°33	25°36	8°30	7° 3	28° 6	n.a.	M11
T 12	16 56 37	13°41'10	25° 6	1♊25	11° 1	0°39	23°34	10°13	19°26	18°31	25°D36	8°24	7° 0	28°13	n.a.	T 12
W13	17 0 33	14°38'20	6♌58	3°25	10°24	1°17	23°47	10°12	19°29	18°30	25°36	8°19	6°57	28°19	n.a.	W13
T 14	17 4 30	15°35'30	18°50	5°27	9°48	1°55	24° 0	10°12	19°32	18°28	25°36	8°14	6°54	28°26	n.a.	T 14
F 15	17 8 26	16°32'41	0♍46	7°30	9°13	2°33	24°13	10°11	19°36	18°27	25°36	8°11	6°51	28°33	n.a.	F 15
S 16	17 12 23	17°29'52	12°50	9°35	8°38	3°11	24°26	10°11	19°39	18°26	25°37	8°D10	6°48	28°40	n.a.	S 16
S 17	17 16 20	18°27'03	25° 8	11°41	8° 5	3°49	24°40	10°10	19°42	18°24	25°37	8°10	6°44	28°46	n.a.	S 17
M18	17 20 16	19°24'15	7♎42	13°48	7°34	4°27	24°53	10°10	19°45	18°23	25°37	8°11	6°41	28°53	n.a.	M18
T 19	17 24 13	20°21'27	20°39	15°55	7° 4	5° 5	25° 6	10°10	19°48	18°22	25°37	8°12	6°38	29° 0	n.a.	T 19
W20	17 28 9	21°18'39	4♏ 1	18° 3	6°35	5°43	25°19	10°D10	19°52	18°20	25°37	8°R13	6°35	29° 6	n.a.	W20
T 21	17 32 6	22°15'52	17°50	20°10	6° 9	6°21	25°32	10°10	19°55	18°19	25°38	8°13	6°32	29°13	n.a.	T 21
F 22	17 36 2	23°13'06	2♐ 6	22°17	5°44	6°59	25°44	10°10	19°58	18°18	25°38	8°11	6°28	29°20	n.a.	F 22
S 23	17 39 59	24°10'20	16°45	24°24	5°22	7°37	25°57	10°10	20° 1	18°17	25°38	8° 7	6°25	29°27	n.a.	S 23
S 24	17 43 55	25° 7'35	1♑42	26°30	5° 2	8°15	26°10	10°10	20° 4	18°15	25°39	8° 1	6°22	29°33	n.a.	S 24
M25	17 47 52	26° 4'51	16°47	28°35	4°44	8°53	26°23	10°11	20° 7	18°14	25°39	7°54	6°19	29°40	n.a.	M25
T 26	17 51 49	27° 2'09	1♒52	0♋39	4°29	9°31	26°36	10°11	20°10	18°13	25°40	7°47	6°16	29°47	n.a.	T 26
W27	17 55 45	27°59'27	16°45	2°41	4°16	10° 9	26°48	10°12	20°13	18°12	25°40	7°41	6°13	29°53	n.a.	W27
T 28	17 59 42	28°56'46	1♓21	4°43	4° 5	10°47	27° 1	10°12	20°16	18°11	25°41	7°36	6° 9	0♌ 0	n.a.	T 28
F 29	18 3 38	29°54'06	15°35	6°43	3°57	11°25	27°13	10°13	20°19	18°10	25°41	7°33	6° 6	0° 7	n.a.	F 29
S 30	18 7 35	0♋51'28	29♓25	8♋41	3♊51	12♋ 3	27♉26	10♎14	20♉22	18♏ 9	25♍42	7°D32	6♉ 3	0♌14	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n 5	14s 5	4s41	13n44	2s14	22n44	0s25	24n42	1n 6	17n45	0s33	1s44	2n40	17n29	0s10	16s 1	1n42	17n28	17n13	14n36	14n13	26n 0		n.a.
S 2	21 16	8 5	4 0	14 20	2 3	22 28	0 38	24 44	1 6	17 49	0 32	1 44	2 40	17 30	0 10	16 0	1 42	17 27	17 12	14 36	14 12	25 59		n.a.
S 3	21 26	1 48	3 6	14 57	1 51	22 11	0 52	24 46	1 6	17 52	0 32	1 43	2 40	17 31	0 10	16 0	1 42	17 27	17 11	14 37	14 11	25 57		n.a.
M 4	21 36	4n26	2 3	15 35	1 39	21 54	1 6	24 47	1 6	17 56	0 32	1 43	2 40	17 32	0 10	16 0	1 42	17 27	17 11	14 37	14 10	25 56		n.a.
T 5	21 46	10 23	0 54	16 14	1 27	21 36	1 20	24 49	1 7	17 59	0 32	1 43	2 39	17 33	0 10	15 59	1 42	17 26	17 10	14 37	14 9	25 55		n.a.
W 6	21 56	15 48	0n16	16 53	1 15	21 18	1 34	24 50	1 7	18 3	0 32	1 42	2 39	17 34	0 10	15 59	1 42	17 26	17 10	14 38	14 8	25 54		n.a.
T 7	22 5	20 28	1 24	17 31	1 3	21 0	1 49	24 51	1 7	18 7	0 32	1 42	2 39	17 35	0 10	15 58	1 42	17 25	17 9	14 37	14 7	25 52		n.a.
F 8	22 14	24 9	2 27	18 10	0 51	20 42	2 3	24 52	1 7	18 10	0 32	1 42	2 39	17 35	0 10	15 58	1 42	17 25	17 9	14 36	14 6	25 51		n.a.
S 9	22 22	26 39	3 22	18 49	0 38	20 23	2 16	24 52	1 7	18 14	0 32	1 42	2 38	17 36	0 10	15 58	1 42	17 24	17 8	14 35	14 5	25 50		n.a.
S 10	22 30	27 52	4 7	19 27	0 26	20 5	2 30	24 53	1 7	18 17	0 32	1 41	2 38	17 37	0 10	15 57	1 42	17 24	17 7	14 33	14 4	25 49		n.a.
M11	22 37	27 45	4 41	20 4	0 14	19 47	2 43	24 53	1 7	18 21	0 32	1 41	2 38	17 38	0 10	15 57	1 41	17 23	17 7	14 31	14 3	25 47		n.a.
T 12	22 45	26 20	5 2	20 41	0 3	19 29	2 56	24 53	1 8	18 24	0 32	1 41	2 38	17 39	0 10	15 57	1 41	17 23	17 6	14 30	14 2	25 46		n.a.
W13	22 52	23 46	5 10	21 16	0n 9	19 11	3 9	24 53	1 8	18 27	0 32	1 41	2 37	17 40	0 10	15 56	1 41	17 22	17 6	14 28	14 1	25 45		n.a.
T 14	22 58	20 12	5 5	21 49	0 20	18 54	3 21	24 52	1 8	18 31	0 32	1 41	2 37	17 41	0 10	15 56	1 41	17 22	17 5	14 26	14 0	25 43		n.a.
F 15	23 4	15 48	4 47	22 21	0 30	18 37	3 33	24 52	1 8	18 34	0 31	1 41	2 37	17 42	0 10	15 55	1 41	17 21	17 4	14 25	13 59	25 42		n.a.
S 16	23 10	10 45	4 16	22 51	0 40	18 20	3 45	24 51	1 8	18 37	0 31	1 41	2 37	17 43	0 10	15 55	1 41	17 21	17 4	14 25	13 58	25 41		n.a.
S 17	23 15	5 12	3 32	23 18	0 50	18 4	3 55	24 50	1 8	18 41	0 31	1 41	2 36	17 44	0 10	15 55	1 41	17 20	17 3	14 25	13 57	25 40		n.a.
M18	23 20	0s41	2 38	23 44	0 59	17 49	4 6	24 49	1 8	18 44	0 31	1 41	2 36	17 45	0 10	15 54	1 41	17 19	17 3	14 25	13 56	25 38		n.a.
T 19	23 24	6 43	1 34	24 6	1 7	17 35	4 16	24 48	1 8	18 47	0 31	1 42	2 36	17 45	0 10	15 54	1 41	17 19	17 2	14 26	13 55	25 37		n.a.
W20	23 28	12 40	0 23	24 27	1 14	17 21	4 25	24 46	1 8	18 50	0 31	1 42	2 36	17 46	0 10	15 54	1 41	17 18	17 2	14 26	13 53	25 36		n.a.
T 21	23 32	18 12	0s52	24 44	1 21	17 8	4 33	24 44	1 8	18 54	0 31	1 42	2 35	17 47	0 10	15 53	1 41	17 17	17 1	14 26	13 52	25 34		n.a.
F 22	23 35	22 54	2 5	24 59	1 27	16 56	4 41	24 43	1 9	18 57	0 31	1 42	2 35	17 48	0 10	15 53	1 41	17 17	17 0	14 25	13 51	25 33		n.a.
S 23	23 38	26 17	3 13	25 10	1 32	16 45	4 49	24 41	1 9	19 0	0 31	1 43	2 35	17 49	0 10	15 53	1 41	17 16	17 0	14 24	13 50	25 32		n.a.
S 24	23 40	27 53	4 8	25 20	1 37	16 35	4 55	24 38	1 9	19 3	0 31	1 43	2 34	17 50	0 10	15 53	1 41	17 15	16 59	14 22	13 49	25 30		n.a.
M25	23 42	27 25	4 46	25 26	1 41	16 25	5 2	24 36	1 9	19 6	0 31	1 43	2 34	17 51	0 10	15 52	1 41	17 15	16 59	14 20	13 48	25 29		n.a.
T 26	23 43	24 57	5 5	25 29	1 44	16 17	5 7	24 33	1 9	19 9	0 31	1 44	2 34	17 51	0 10	15 52	1 41	17 14	16 58	14 17	13 47	25 27		n.a.
W27	23 44	20 49	5 3	25 30	1 46	16 10	5 12	24 30	1 9	19 12	0 31	1 44	2 34	17 52	0 10	15 52	1 41	17 13	16 57	14 15	13 46	25 26		n.a.
T 28	23 45	15 30	4 41	25 28	1 48	16 4	5 17	24 28	1 9	19 15	0 31	1 45	2 33	17 53	0 10	15 51	1 41	17 12	16 57	14 14	13 45	25 25		n.a.
F 29	23 45	9 28	4 2	25 24	1 49	15 58	5 21	24 24	1 9	19 18	0 31	1 45	2 33	17 54	0 10	15 51	1 41	17 12	16 56	14 13	13 44	25 23		n.a.
S 30	23n45	3s 8	3s10	25n17	1n50	15n54	5s24	24n21	1n 9	19n21	0s31	1s46	2n33	17n55	0s10	15s51	1n41	17n11	16n56	14n13	13n43	25n22		n.a.

Julian Day Number = 1542236.5, Delta T = 04h36m50s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'53, Lahiri = -10°43'53 Julian Calendar 1 June 491 BCE == Greg. Calendar 27 May 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

JULY 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 11 31	1♋48'51	12♈52	10♋38	3°R47	12♋41	27♉38	10♎15	20♉25	18°R 7	25♍43	7♉33	6♉ 0	0♌20	n.a.	S 1
M 2	18 15 28	2°46'16	25°57	12°34	3°D46	13°19	27°51	10°16	20°28	18♏ 6	25°43	7°34	5°57	0°27	n.a.	M 2
T 3	18 19 24	3°43'42	8♉45	14°28	3♊48	13°57	28° 3	10°17	20°30	18° 5	25°44	7°R34	5°54	0°34	n.a.	T 3
W 4	18 23 21	4°41'09	21°19	16°20	3°51	14°35	28°15	10°18	20°33	18° 4	25°45	7°33	5°50	0°41	n.a.	W 4
T 5	18 27 18	5°38'37	3♊40	18°11	3°57	15°13	28°28	10°20	20°36	18° 3	25°45	7°30	5°47	0°47	n.a.	T 5
F 6	18 31 14	6°36'07	15°53	20° 1	4° 5	15°52	28°40	10°21	20°39	18° 3	25°46	7°24	5°44	0°54	n.a.	F 6
S 7	18 35 11	7°33'39	27°58	21°48	4°15	16°30	28°52	10°23	20°41	18° 2	25°47	7°16	5°41	1° 1	n.a.	S 7
S 8	18 39 7	8°31'12	9♋57	23°35	4°27	17° 8	29° 4	10°24	20°44	18° 1	25°48	7° 6	5°38	1° 7	n.a.	S 8
M 9	18 43 4	9°28'45	21°52	25°19	4°41	17°46	29°16	10°26	20°47	18° 0	25°49	6°54	5°34	1°14	n.a.	M 9
T 10	18 47 0	10°26'21	3♌44	27° 3	4°57	18°24	29°28	10°28	20°49	17°59	25°50	6°42	5°31	1°21	n.a.	T 10
W11	18 50 57	11°23'57	15°36	28°44	5°15	19° 2	29°40	10°30	20°52	17°58	25°51	6°31	5°28	1°28	n.a.	W11
T 12	18 54 54	12°21'34	27°28	0♌25	5°35	19°40	29°51	10°32	20°54	17°57	25°52	6°22	5°25	1°34	n.a.	T 12
F 13	18 58 50	13°19'13	9♍24	2° 3	5°57	20°19	0♊ 3	10°34	20°57	17°57	25°53	6°14	5°22	1°41	n.a.	F 13
S 14	19 2 47	14°16'53	21°27	3°40	6°20	20°57	0°15	10°36	20°59	17°56	25°54	6°10	5°19	1°48	n.a.	S 14
S 15	19 6 43	15°14'34	3♎42	5°16	6°45	21°35	0°26	10°38	21° 2	17°55	25°55	6° 7	5°15	1°55	n.a.	S 15
M16	19 10 40	16°12'16	16°13	6°50	7°12	22°13	0°38	10°41	21° 4	17°55	25°56	6°D 7	5°12	2° 1	n.a.	M16
T 17	19 14 36	17°10'00	29° 5	8°23	7°40	22°51	0°49	10°43	21° 6	17°54	25°57	6°R 7	5° 9	2° 8	n.a.	T 17
W18	19 18 33	18° 7'44	12♏21	9°55	8°10	23°30	1° 0	10°46	21° 9	17°53	25°58	6° 7	5° 6	2°15	n.a.	W18
T 19	19 22 29	19° 5'30	26° 6	11°24	8°41	24° 8	1°11	10°48	21°11	17°53	26° 0	6° 5	5° 3	2°21	n.a.	T 19
F 20	19 26 26	20° 3'18	10♐20	12°53	9°13	24°46	1°22	10°51	21°13	17°52	26° 1	6° 2	5° 0	2°28	n.a.	F 20
S 21	19 30 23	21° 1'07	25° 2	14°19	9°47	25°24	1°34	10°54	21°15	17°52	26° 2	5°56	4°56	2°35	n.a.	S 21
S 22	19 34 19	21°58'57	10♑ 5	15°45	10°22	26° 3	1°44	10°57	21°18	17°51	26° 3	5°47	4°53	2°42	n.a.	S 22
M23	19 38 16	22°56'49	25°23	17° 8	10°59	26°41	1°55	11° 0	21°20	17°51	26° 5	5°37	4°50	2°48	n.a.	M23
T 24	19 42 12	23°54'42	10♒42	18°30	11°36	27°19	2° 6	11° 3	21°22	17°50	26° 6	5°27	4°47	2°55	n.a.	T 24
W25	19 46 9	24°52'38	25°52	19°51	12°15	27°58	2°17	11° 6	21°24	17°50	26° 8	5°17	4°44	3° 2	n.a.	W25
T 26	19 50 5	25°50'35	10♓43	21°10	12°55	28°36	2°27	11° 9	21°26	17°50	26° 9	5° 9	4°40	3° 9	n.a.	T 26
F 27	19 54 2	26°48'34	25° 9	22°27	13°36	29°14	2°38	11°12	21°28	17°49	26°10	5° 4	4°37	3°15	n.a.	F 27
S 28	19 57 58	27°46'34	9♈ 6	23°42	14°18	29°53	2°48	11°16	21°29	17°49	26°12	5° 1	4°34	3°22	n.a.	S 28
S 29	20 1 55	28°44'37	22°36	24°55	15° 1	0♌31	2°59	11°19	21°31	17°49	26°13	5° 0	4°31	3°29	n.a.	S 29
M30	20 5 52	29°42'43	5♉40	26° 7	15°45	1° 9	3° 9	11°23	21°33	17°48	26°15	5° 0	4°28	3°35	n.a.	M30
T 31	20 9 48	0♌40'50	18♉22	27♌17	16♊31	1♌48	3♊19	11♎27	21♉35	17♏48	26♍17	5♉ 0	4♉25	3♌42	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23n45	3n11	2s 9	25n 9	1n49	15n50	5s27	24n17	1n 9	19n24	0s31	1s47	2n33	17n55	0s10	15s51	1n41	17n10	16n55	14n13	13n42	25n20		n.a.	S 1
M 2	23 44	9 12	1 2	24 57	1 49	15 48	5 29	24 14	1 9	19 27	0 30	1 47	2 32	17 56	0 10	15 50	1 41	17 9	16 54	14 13	13 41	25 19		n.a.	M 2
T 3	23 42	14 42	0n 6	24 44	1 47	15 46	5 31	24 10	1 9	19 30	0 30	1 48	2 32	17 57	0 10	15 50	1 41	17 9	16 54	14 13	13 40	25 17		n.a.	T 3
W 4	23 40	19 30	1 13	24 29	1 45	15 45	5 33	24 6	1 9	19 33	0 30	1 49	2 32	17 58	0 10	15 50	1 41	17 8	16 53	14 13	13 39	25 16		n.a.	W 4
T 5	23 38	23 22	2 15	24 12	1 43	15 45	5 34	24 1	1 9	19 35	0 30	1 49	2 31	17 58	0 10	15 50	1 40	17 7	16 53	14 12	13 38	25 15		n.a.	T 5
F 6	23 35	26 8	3 10	23 53	1 40	15 46	5 34	23 57	1 10	19 38	0 30	1 50	2 31	17 59	0 10	15 50	1 40	17 6	16 52	14 10	13 36	25 13		n.a.	F 6
S 7	23 32	27 39	3 55	23 33	1 37	15 48	5 35	23 52	1 10	19 41	0 30	1 51	2 31	18 0	0 10	15 49	1 40	17 5	16 52	14 7	13 35	25 12		n.a.	S 7
S 8	23 29	27 52	4 30	23 11	1 33	15 50	5 35	23 48	1 10	19 44	0 30	1 52	2 31	18 1	0 10	15 49	1 40	17 4	16 51	14 4	13 34	25 10		n.a.	S 8
M 9	23 25	26 45	4 52	22 48	1 28	15 53	5 34	23 43	1 10	19 46	0 30	1 53	2 30	18 1	0 10	15 49	1 40	17 3	16 50	14 0	13 33	25 9		n.a.	M 9
T 10	23 20	24 27	5 2	22 24	1 24	15 56	5 34	23 37	1 10	19 49	0 30	1 54	2 30	18 2	0 10	15 49	1 40	17 3	16 50	13 56	13 32	25 7		n.a.	T 10
W11	23 16	21 7	4 59	21 58	1 19	16 0	5 32	23 32	1 10	19 51	0 30	1 55	2 30	18 3	0 10	15 49	1 40	17 2	16 49	13 52	13 31	25 6		n.a.	W11
T 12	23 10	16 55	4 42	21 31	1 13	16 5	5 31	23 27	1 10	19 54	0 30	1 56	2 30	18 3	0 10	15 48	1 40	17 1	16 49	13 49	13 30	25 4		n.a.	T 12
F 13	23 5	12 3	4 14	21 3	1 7	16 11	5 30	23 21	1 10	19 57	0 30	1 57	2 29	18 4	0 10	15 48	1 40	17 0	16 48	13 47	13 29	25 3		n.a.	F 13
S 14	22 59	6 42	3 34	20 35	1 1	16 16	5 28	23 15	1 10	19 59	0 30	1 58	2 29	18 5	0 10	15 48	1 40	16 59	16 48	13 45	13 28	25 1		n.a.	S 14
S 15	22 52	1 0	2 43	20 5	0 55	16 23	5 26	23 9	1 10	20 2	0 30	1 59	2 29	18 5	0 10	15 48	1 40	16 58	16 47	13 44	13 27	25 0		n.a.	S 15
M16	22 45	4s52	1 44	19 35	0 48	16 29	5 23	23 3	1 10	20 4	0 30	2 0	2 29	18 6	0 10	15 48	1 40	16 57	16 47	13 44	13 26	24 58		n.a.	M16
T 17	22 38	10 43	0 37	19 4	0 41	16 36	5 21	22 56	1 10	20 6	0 30	2 2	2 28	18 7	0 10	15 48	1 40	16 56	16 46	13 44	13 25	24 57		n.a.	T 17
W18	22 31	16 16	0s33	18 32	0 33	16 44	5 18	22 50	1 10	20 9	0 30	2 3	2 28	18 7	0 10	15 48	1 40	16 55	16 46	13 44	13 24	24 55		n.a.	W18
T 19	22 23	21 13	1 44	18 0	0 26	16 52	5 15	22 43	1 10	20 11	0 30	2 4	2 28	18 8	0 10	15 47	1 40	16 54	16 45	13 44	13 23	24 54		n.a.	T 19
F 20	22 14	25 6	2 51	17 28	0 18	17 0	5 12	22 36	1 10	20 14	0 30	2 6	2 28	18 8	0 10	15 47	1 40	16 53	16 44	13 42	13 21	24 52		n.a.	F 20
S 21	22 5	27 28	3 48	16 55	0 10	17 8	5 8	22 29	1 10	20 16	0 30	2 7	2 27	18 9	0 10	15 47	1 40	16 52	16 44	13 40	13 20	24 50		n.a.	S 21
S 22	21 56	27 53	4 31	16 21	0 2	17 16	5 5	22 22	1 10	20 18	0 29	2 8	2 27	18 9	0 10	15 47	1 40	16 51	16 43	13 38	13 19	24 49		n.a.	S 22
M23	21 47	26 11	4 56	15 48	0s 7	17 25	5 1	22 14	1 10	20 20	0 29	2 10	2 27	18 10	0 10	15 47	1 40	16 50	16 43	13 34	13 18	24 47		n.a.	M23
T 24	21 37	22 34	4 59	15 14	0 15	17 34	4 57	22 7	1 10	20 23	0 29	2 11	2 27	18 11	0 10	15 47	1 39	16 49	16 42	13 31	13 17	24 46		n.a.	T 24
W25	21 26	17 28	4 42	14 41	0 24	17 43	4 53	21 59	1 10	20 25	0 29	2 13	2 26	18 11	0 10	15 47	1 39	16 48	16 42	13 27	13 16	24 44		n.a.	W25
T 26	21 15	11 25	4 5	14 7	0 33	17 52	4 49	21 51	1 10	20 27	0 29	2 14	2 26	18 12	0 10	15 47	1 39	16 47	16 41	13 25	13 15	24 43		n.a.	T 26
F 27	21 4	4 55	3 14	13 33	0 42	18 1	4 45	21 43	1 10	20 29	0 29	2 16	2 26	18 12	0 10	15 47	1 39	16 46	16 41	13 23	13 14	24 41		n.a.	F 27
S 28	20 53	1n38	2 12	13 0	0 51	18 11	4 41	21 35	1 10	20 31	0 29	2 17	2 26	18 13	0 10	15 47	1 39	16 45	16 40	13 22	13 13	24 39		n.a.	S 28
S 29	20 41	7 54	1 5	12 26	1 0	18 20	4 36	21 27	1 10	20 33	0 29	2 19	2 25	18 13	0 10	15 47	1 39	16 44	16 40	13 22	13 12	24 38		n.a.	S 29
M30	20 29	13 38	0n 3	11 53	1 10	18 29	4 32	21 18	1 10	20 35	0 29	2 20	2 25	18 14	0 10	15 47	1 39	16 43	16 39	13 22	13 11	24 36		n.a.	M30
T 31	20n16	18n39	1n10	11n21	1s19	18n38	4s27	21n 9	1n10	20n37	0s29	2s22	2n25	18n14	0s10	15s47	1n39	16n42	16n39	13n21	13n10	24n34		n.a.	T 31

Julian Day Number = 1542266.5, Delta T = 04h36m49s
Ecliptic obliquity = 23°45'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'49, Lahiri = -10°43'49 Julian Calendar 1 July 491 BCE == Greg. Calendar 26 June 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

AUGUST 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 13 45	1♌38'59	0♊47	28♌24	17♊16	2♌26	3♊29	11♎30	21♉37	17°R48	26♍18	4°R58	4♉21	3♌49	n.a.	W 1
T 2	20 17 41	2°37'11	13° 0	29°29	18° 3	3° 5	3°39	11°34	21°38	17♏48	26°20	4♉54	4°18	3°56	n.a.	T 2
F 3	20 21 38	3°35'24	25° 3	0♍33	18°51	3°43	3°49	11°38	21°40	17°48	26°21	4°46	4°15	4° 2	n.a.	F 3
S 4	20 25 34	4°33'40	7♋ 0	1°33	19°39	4°22	3°58	11°42	21°41	17°48	26°23	4°36	4°12	4° 9	n.a.	S 4
S 5	20 29 31	5°31'57	18°54	2°31	20°28	5° 0	4° 8	11°46	21°43	17°48	26°25	4°24	4° 9	4°16	n.a.	S 5
M 6	20 33 27	6°30'17	0♌46	3°26	21°18	5°39	4°17	11°50	21°44	17°D48	26°26	4°10	4° 6	4°23	n.a.	M 6
T 7	20 37 24	7°28'39	12°38	4°19	22° 9	6°17	4°27	11°54	21°46	17°48	26°28	3°56	4° 2	4°29	n.a.	T 7
W 8	20 41 21	8°27'02	24°32	5° 8	23° 0	6°56	4°36	11°59	21°47	17°48	26°30	3°42	3°59	4°36	n.a.	W 8
T 9	20 45 17	9°25'27	6♍27	5°54	23°52	7°34	4°45	12° 3	21°49	17°48	26°32	3°30	3°56	4°43	n.a.	T 9
F 10	20 49 14	10°23'54	18°28	6°36	24°45	8°13	4°54	12° 7	21°50	17°48	26°34	3°21	3°53	4°49	n.a.	F 10
S 11	20 53 10	11°22'23	0♎35	7°15	25°38	8°52	5° 3	12°12	21°51	17°48	26°35	3°14	3°50	4°56	n.a.	S 11
S 12	20 57 7	12°20'54	12°52	7°49	26°32	9°30	5°12	12°16	21°52	17°48	26°37	3°11	3°46	5° 3	n.a.	S 12
M13	21 1 3	13°19'26	25°23	8°19	27°27	10° 9	5°20	12°21	21°53	17°48	26°39	3° 9	3°43	5°10	n.a.	M13
T 14	21 5 0	14°18'01	8♏12	8°44	28°22	10°47	5°29	12°26	21°55	17°49	26°41	3° 9	3°40	5°16	n.a.	T 14
W15	21 8 56	15°16'37	21°23	9° 4	29°18	11°26	5°37	12°30	21°56	17°49	26°43	3° 9	3°37	5°23	n.a.	W15
T 16	21 12 53	16°15'15	4♐59	9°19	0♋14	12° 5	5°45	12°35	21°57	17°49	26°45	3° 8	3°34	5°30	n.a.	T 16
F 17	21 16 49	17°13'54	19° 3	9°28	1°10	12°44	5°54	12°40	21°58	17°50	26°47	3° 5	3°31	5°36	n.a.	F 17
S 18	21 20 46	18°12'36	3♑34	9°R30	2° 8	13°22	6° 2	12°45	21°58	17°50	26°49	2°59	3°27	5°43	n.a.	S 18
S 19	21 24 43	19°11'19	18°30	9°26	3° 5	14° 1	6° 9	12°50	21°59	17°50	26°51	2°51	3°24	5°50	n.a.	S 19
M20	21 28 39	20°10'05	3♒41	9°16	4° 3	14°40	6°17	12°55	22° 0	17°51	26°53	2°41	3°21	5°57	n.a.	M20
T 21	21 32 36	21° 8'52	19° 0	8°58	5° 2	15°19	6°25	13° 0	22° 1	17°51	26°55	2°31	3°18	6° 3	n.a.	T 21
W22	21 36 32	22° 7'41	4♓14	8°33	6° 1	15°57	6°32	13° 5	22° 1	17°52	26°57	2°21	3°15	6°10	n.a.	W22
T 23	21 40 29	23° 6'33	19°12	8° 0	7° 0	16°36	6°39	13°11	22° 2	17°52	26°59	2°13	3°12	6°17	n.a.	T 23
F 24	21 44 25	24° 5'26	3♈47	7°21	8° 0	17°15	6°47	13°16	22° 3	17°53	27° 1	2° 8	3° 8	6°24	n.a.	F 24
S 25	21 48 22	25° 4'22	17°53	6°35	9° 1	17°54	6°54	13°21	22° 3	17°54	27° 4	2° 5	3° 5	6°30	n.a.	S 25
S 26	21 52 18	26° 3'21	1♉30	5°42	10° 1	18°33	7° 0	13°27	22° 4	17°54	27° 6	2°D 4	3° 2	6°37	n.a.	S 26
M27	21 56 15	27° 2'22	14°39	4°43	11° 3	19°12	7° 7	13°32	22° 4	17°55	27° 8	2° 4	2°59	6°44	n.a.	M27
T 28	22 0 12	28° 1'25	27°24	3°40	12° 4	19°51	7°14	13°38	22° 4	17°56	27°10	2°R 5	2°56	6°50	n.a.	T 28
W29	22 4 8	29° 0'31	9♊49	2°34	13° 6	20°30	7°20	13°44	22° 5	17°56	27°12	2° 4	2°52	6°57	n.a.	W29
T 30	22 8 5	29°59'39	21°59	1°25	14° 8	21° 9	7°26	13°49	22° 5	17°57	27°14	2° 2	2°49	7° 4	n.a.	T 30
F 31	22 12 1	0♍58'50	3♋59	0♍17	15♋11	21♌48	7♊33	13♎55	22♉ 5	17♏58	27♍17	1♉57	2♉46	7♌11	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	20n 3	22n44	2n12	10n48	1s28	18n47	4s22	21n 1	1n10	20n39	0s29	2s24	2n25	18n15	0s10	15s47	1n39	16n41	16n38	13n21	13n 8	24n33			n.a.
T 2	19 50	25 44	3 6	10 17	1 38	18 56	4 17	20 52	1 10	20 41	0 29	2 25	2 24	18 15	0 10	15 47	1 39	16 40	16 38	13 19	13 7	24 31			n.a.
F 3	19 36	27 31	3 51	9 45	1 47	19 5	4 12	20 42	1 10	20 43	0 29	2 27	2 24	18 15	0 10	15 47	1 39	16 39	16 38	13 17	13 6	24 30			n.a.
S 4	19 23	27 59	4 26	9 15	1 57	19 14	4 7	20 33	1 10	20 45	0 29	2 29	2 24	18 16	0 10	15 47	1 39	16 37	16 37	13 14	13 5	24 28			n.a.
S 5	19 8	27 10	4 49	8 45	2 6	19 23	4 2	20 24	1 10	20 47	0 29	2 31	2 24	18 16	0 10	15 47	1 39	16 36	16 37	13 9	13 4	24 26			n.a.
M 6	18 54	25 6	4 59	8 16	2 16	19 31	3 57	20 14	1 10	20 49	0 29	2 33	2 23	18 17	0 10	15 47	1 39	16 35	16 36	13 5	13 3	24 25			n.a.
T 7	18 39	21 57	4 56	7 49	2 25	19 40	3 52	20 4	1 10	20 50	0 29	2 34	2 23	18 17	0 10	15 47	1 39	16 34	16 36	13 0	13 2	24 23			n.a.
W 8	18 23	17 54	4 40	7 22	2 34	19 48	3 47	19 54	1 10	20 52	0 29	2 36	2 23	18 17	0 10	15 47	1 39	16 33	16 35	12 55	13 1	24 21			n.a.
T 9	18 8	13 9	4 12	6 57	2 43	19 55	3 42	19 44	1 10	20 54	0 29	2 38	2 23	18 18	0 10	15 47	1 38	16 32	16 35	12 51	13 0	24 19			n.a.
F 10	17 52	7 52	3 32	6 33	2 52	20 3	3 36	19 34	1 9	20 56	0 29	2 40	2 23	18 18	0 10	15 47	1 38	16 31	16 35	12 48	12 59	24 18			n.a.
S 11	17 36	2 15	2 43	6 11	3 0	20 10	3 31	19 24	1 9	20 57	0 29	2 42	2 22	18 18	0 10	15 47	1 38	16 30	16 34	12 45	12 58	24 16			n.a.
S 12	17 19	3s32	1 45	5 50	3 9	20 17	3 26	19 13	1 9	20 59	0 29	2 44	2 22	18 19	0 10	15 48	1 38	16 29	16 34	12 44	12 56	24 14			n.a.
M13	17 3	9 19	0 41	5 32	3 17	20 24	3 20	19 3	1 9	21 0	0 29	2 46	2 22	18 19	0 10	15 48	1 38	16 28	16 33	12 44	12 55	24 13			n.a.
T 14	16 45	14 51	0s27	5 15	3 24	20 30	3 15	18 52	1 9	21 2	0 29	2 48	2 22	18 19	0 10	15 48	1 38	16 26	16 33	12 44	12 54	24 11			n.a.
W15	16 28	19 52	1 35	5 1	3 31	20 36	3 9	18 41	1 9	21 4	0 29	2 50	2 21	18 20	0 10	15 48	1 38	16 25	16 33	12 44	12 53	24 9			n.a.
T 16	16 10	24 2	2 40	4 50	3 37	20 42	3 4	18 30	1 9	21 5	0 28	2 52	2 21	18 20	0 10	15 48	1 38	16 24	16 32	12 43	12 52	24 7			n.a.
F 17	15 53	26 55	3 38	4 41	3 43	20 47	2 58	18 19	1 9	21 6	0 28	2 54	2 21	18 20	0 10	15 48	1 38	16 23	16 32	12 42	12 51	24 6			n.a.
S 18	15 34	28 5	4 23	4 36	3 48	20 52	2 53	18 8	1 9	21 8	0 28	2 57	2 21	18 20	0 10	15 48	1 38	16 22	16 31	12 40	12 50	24 4			n.a.
S 19	15 16	27 17	4 52	4 34	3 52	20 56	2 47	17 56	1 9	21 9	0 28	2 59	2 21	18 21	0 10	15 49	1 38	16 21	16 31	12 37	12 49	24 2			n.a.
M20	14 57	24 27	5 1	4 35	3 54	21 0	2 42	17 45	1 9	21 11	0 28	3 1	2 20	18 21	0 10	15 49	1 38	16 20	16 31	12 34	12 48	24 0			n.a.
T 21	14 38	19 54	4 49	4 40	3 56	21 3	2 36	17 33	1 9	21 12	0 28	3 3	2 20	18 21	0 10	15 49	1 38	16 19	16 30	12 30	12 47	23 59			n.a.
W22	14 19	14 3	4 17	4 50	3 56	21 7	2 31	17 21	1 9	21 13	0 28	3 5	2 20	18 21	0 10	15 49	1 38	16 17	16 30	12 27	12 46	23 57			n.a.
T 23	14 0	7 29	3 27	5 3	3 55	21 9	2 25	17 9	1 9	21 15	0 28	3 8	2 20	18 21	0 10	15 49	1 38	16 16	16 30	12 24	12 44	23 55			n.a.
F 24	13 40	0 41	2 24	5 20	3 52	21 11	2 20	16 57	1 8	21 16	0 28	3 10	2 20	18 21	0 10	15 50	1 38	16 15	16 29	12 22	12 43	23 53			n.a.
S 25	13 20	5n57	1 15	5 42	3 47	21 13	2 14	16 45	1 8	21 17	0 28	3 12	2 20	18 22	0 10	15 50	1 37	16 14	16 29	12 21	12 42	23 51			n.a.
S 26	13 0	12 6	0 3	6 8	3 41	21 14	2 9	16 33	1 8	21 18	0 28	3 14	2 19	18 22	0 10	15 50	1 37	16 13	16 29	12 21	12 41	23 50			n.a.
M27	12 40	17 30	1n 6	6 37	3 32	21 15	2 3	16 20	1 8	21 20	0 28	3 17	2 19	18 22	0 10	15 50	1 37	16 12	16 29	12 21	12 40	23 48			n.a.
T 28	12 19	21 57	2 11	7 10	3 21	21 15	1 58	16 8	1 8	21 21	0 28	3 19	2 19	18 22	0 10	15 51	1 37	16 11	16 28	12 21	12 39	23 46			n.a.
W29	11 58	25 18	3 7	7 46	3 9	21 15	1 52	15 55	1 8	21 22	0 28	3 21	2 19	18 22	0 10	15 51	1 37	16 9	16 28	12 21	12 38	23 44			n.a.
T 30	11 37	27 23	3 53	8 24	2 54	21 14	1 47	15 43	1 8	21 23	0 28	3 24	2 19	18 22	0 10	15 51	1 37	16 8	16 28	12 20	12 37	23 42			n.a.
F 31	11n16	28n10	4n29	9n 4	2s38	21n12	1s41	15n30	1n 8	21n24	0s28	3s26	2n19	18n22	0s10	15s51	1n37	16n 7	16n27	12n18	12n36	23n40			n.a.

Julian Day Number = 1542297.5, Delta T = 04h36m48s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'45, Lahiri = -10°43'45 Julian Calendar 1 Aug. 491 BCE == Greg. Calendar 27 July 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

SEPTEMBER 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 15 58	1♍58'03	15♋53	29°R10	16♋14	22♌27	7♊38	14♎ 1	22♉ 5	17♏59	27♍19	1°R49	2♉43	7♌17	n.a.	S 1
S 2	22 19 54	2°57'18	27°44	28♌ 6	17°17	23° 6	7°44	14° 7	22° 6	18° 0	27°21	1♉40	2°40	7°24	n.a.	S 2
M 3	22 23 51	3°56'36	9♌36	27° 8	18°21	23°45	7°50	14°12	22° 6	18° 0	27°23	1°29	2°37	7°31	n.a.	M 3
T 4	22 27 47	4°55'56	21°30	26°17	19°24	24°24	7°55	14°18	22°R 6	18° 1	27°26	1°18	2°33	7°38	n.a.	T 4
W 5	22 31 44	5°55'18	3♍29	25°34	20°29	25° 3	8° 1	14°24	22° 6	18° 2	27°28	1° 7	2°30	7°44	n.a.	W 5
T 6	22 35 40	6°54'42	15°32	25° 0	21°33	25°42	8° 6	14°30	22° 5	18° 3	27°30	0°58	2°27	7°51	n.a.	T 6
F 7	22 39 37	7°54'09	27°42	24°37	22°38	26°21	8°11	14°36	22° 5	18° 4	27°33	0°50	2°24	7°58	n.a.	F 7
S 8	22 43 34	8°53'37	10♎ 0	24°24	23°43	27° 0	8°15	14°43	22° 5	18° 5	27°35	0°46	2°21	8° 4	n.a.	S 8
S 9	22 47 30	9°53'08	22°28	24°D22	24°48	27°40	8°20	14°49	22° 5	18° 6	27°37	0°43	2°17	8°11	n.a.	S 9
M10	22 51 27	10°52'40	5♏ 8	24°31	25°54	28°19	8°24	14°55	22° 4	18° 8	27°40	0°D43	2°14	8°18	n.a.	M10
T 11	22 55 23	11°52'15	18° 3	24°50	26°59	28°58	8°29	15° 1	22° 4	18° 9	27°42	0°44	2°11	8°25	n.a.	T 11
W12	22 59 20	12°51'51	1♐14	25°20	28° 6	29°37	8°33	15° 7	22° 4	18°10	27°44	0°45	2° 8	8°31	n.a.	W12
T 13	23 3 16	13°51'29	14°46	25°59	29°12	0♍17	8°37	15°14	22° 3	18°11	27°47	0°R46	2° 5	8°38	n.a.	T 13
F 14	23 7 13	14°51'09	28°40	26°46	0♌18	0°56	8°40	15°20	22° 3	18°12	27°49	0°45	2° 2	8°45	n.a.	F 14
S 15	23 11 9	15°50'51	12♑56	27°41	1°25	1°35	8°44	15°27	22° 2	18°14	27°51	0°42	1°58	8°51	n.a.	S 15
S 16	23 15 6	16°50'35	27°33	28°44	2°32	2°15	8°47	15°33	22° 2	18°15	27°54	0°37	1°55	8°58	n.a.	S 16
M17	23 19 3	17°50'20	12♒25	29°52	3°39	2°54	8°51	15°39	22° 1	18°16	27°56	0°31	1°52	9° 5	n.a.	M17
T 18	23 22 59	18°50'08	27°25	1♍ 6	4°47	3°34	8°54	15°46	22° 0	18°18	27°59	0°25	1°49	9°12	n.a.	T 18
W19	23 26 56	19°49'57	12♓25	2°25	5°54	4°13	8°56	15°52	21°59	18°19	28° 1	0°19	1°46	9°18	n.a.	W19
T 20	23 30 52	20°49'48	27°15	3°47	7° 2	4°52	8°59	15°59	21°59	18°20	28° 3	0°14	1°43	9°25	n.a.	T 20
F 21	23 34 49	21°49'41	11♈47	5°14	8°10	5°32	9° 1	16° 6	21°58	18°22	28° 6	0°11	1°39	9°32	n.a.	F 21
S 22	23 38 45	22°49'37	25°55	6°43	9°19	6°11	9° 4	16°12	21°57	18°23	28° 8	0°D 9	1°36	9°39	n.a.	S 22
S 23	23 42 42	23°49'35	9♉37	8°14	10°27	6°51	9° 6	16°19	21°56	18°25	28°11	0° 9	1°33	9°45	n.a.	S 23
M24	23 46 38	24°49'35	22°52	9°48	11°36	7°31	9° 7	16°26	21°55	18°26	28°13	0°11	1°30	9°52	n.a.	M24
T 25	23 50 35	25°49'37	5♊42	11°23	12°45	8°10	9° 9	16°32	21°54	18°28	28°16	0°12	1°27	9°59	n.a.	T 25
W26	23 54 32	26°49'42	18°12	12°59	13°54	8°50	9°11	16°39	21°53	18°29	28°18	0°14	1°23	10° 5	n.a.	W26
T 27	23 58 28	27°49'49	0♋25	14°36	15° 3	9°29	9°12	16°46	21°51	18°31	28°20	0°R14	1°20	10°12	n.a.	T 27
F 28	0 2 25	28°49'58	12°26	16°14	16°12	10° 9	9°13	16°53	21°50	18°32	28°23	0°13	1°17	10°19	n.a.	F 28
S 29	0 6 21	29°50'09	24°20	17°52	17°22	10°49	9°14	16°59	21°49	18°34	28°25	0°11	1°14	10°26	n.a.	S 29
S 30	0 10 18	0♎50'23	6♌12	19♍31	18♌32	11♍28	9♊14	17♎ 6	21♉48	18♏36	28♍28	0♉ 7	1♉11	10♌32	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n55	27n38	4n52	9n44	2s20	21n10	1s36	15n17	1n 8	21n25	0s28	3s29	2n18	18n22	0s10	15s52	1n37	16n 6	16n27	12n16	12n35	23n39		n.a.
S 2	10 33	25 50	5 3	10 24	2 1	21 8	1 30	15 4	1 8	21 26	0 28	3 31	2 18	18 22	0 10	15 52	1 37	16 5	16 27	12 13	12 33	23 37		n.a.
M 3	10 12	22 54	5 1	11 2	1 42	21 5	1 25	14 50	1 7	21 27	0 28	3 33	2 18	18 22	0 10	15 52	1 37	16 4	16 27	12 9	12 32	23 35		n.a.
T 4	9 50	19 1	4 45	11 39	1 22	21 1	1 20	14 37	1 7	21 28	0 28	3 36	2 18	18 22	0 10	15 53	1 37	16 3	16 26	12 5	12 31	23 33		n.a.
W 5	9 28	14 21	4 17	12 12	1 1	20 57	1 15	14 24	1 7	21 29	0 28	3 38	2 18	18 22	0 10	15 53	1 37	16 2	16 26	12 1	12 30	23 31		n.a.
T 6	9 5	9 7	3 38	12 43	0 41	20 52	1 9	14 10	1 7	21 30	0 28	3 41	2 18	18 22	0 10	15 53	1 37	16 0	16 26	11 58	12 29	23 29		n.a.
F 7	8 43	3 29	2 48	13 9	0 22	20 47	1 4	13 57	1 7	21 30	0 28	3 43	2 17	18 22	0 10	15 54	1 37	15 59	16 26	11 55	12 28	23 27		n.a.
S 8	8 20	2s21	1 49	13 30	0 4	20 41	0 59	13 43	1 7	21 31	0 28	3 46	2 17	18 22	0 10	15 54	1 37	15 58	16 26	11 53	12 27	23 25		n.a.
S 9	7 58	8 10	0 44	13 48	0n14	20 34	0 54	13 29	1 7	21 32	0 28	3 48	2 17	18 22	0 10	15 54	1 37	15 57	16 25	11 53	12 26	23 24		n.a.
M10	7 35	13 47	0s24	14 0	0 30	20 27	0 49	13 15	1 6	21 33	0 28	3 51	2 17	18 22	0 10	15 55	1 37	15 56	16 25	11 53	12 25	23 22		n.a.
T 11	7 12	18 54	1 32	14 7	0 45	20 19	0 44	13 1	1 6	21 33	0 28	3 54	2 17	18 22	0 10	15 55	1 36	15 55	16 25	11 53	12 23	23 20		n.a.
W12	6 49	23 14	2 37	14 10	0 59	20 11	0 39	12 47	1 6	21 34	0 27	3 56	2 17	18 22	0 10	15 55	1 36	15 54	16 25	11 53	12 22	23 18		n.a.
T 13	6 26	26 26	3 35	14 8	1 11	20 2	0 34	12 33	1 6	21 35	0 27	3 59	2 17	18 22	0 10	15 56	1 36	15 53	16 25	11 53	12 21	23 16		n.a.
F 14	6 3	28 7	4 22	14 2	1 22	19 53	0 29	12 19	1 6	21 35	0 27	4 1	2 17	18 21	0 10	15 56	1 36	15 52	16 25	11 53	12 20	23 14		n.a.
S 15	5 39	28 0	4 54	13 52	1 31	19 43	0 24	12 4	1 6	21 36	0 27	4 4	2 16	18 21	0 10	15 57	1 36	15 51	16 25	11 52	12 19	23 12		n.a.
S 16	5 16	25 57	5 8	13 37	1 39	19 32	0 20	11 50	1 6	21 37	0 27	4 6	2 16	18 21	0 10	15 57	1 36	15 49	16 24	11 51	12 18	23 10		n.a.
M17	4 52	22 7	5 2	13 19	1 46	19 21	0 15	11 35	1 5	21 37	0 27	4 9	2 16	18 21	0 10	15 57	1 36	15 48	16 24	11 48	12 17	23 8		n.a.
T 18	4 28	16 50	4 35	12 57	1 51	19 9	0 10	11 21	1 5	21 38	0 27	4 12	2 16	18 21	0 10	15 58	1 36	15 47	16 24	11 46	12 16	23 6		n.a.
W19	4 5	10 31	3 50	12 33	1 55	18 57	0 6	11 6	1 5	21 38	0 27	4 14	2 16	18 21	0 10	15 58	1 36	15 46	16 24	11 44	12 15	23 4		n.a.
T 20	3 41	3 41	2 49	12 5	1 59	18 44	0 1	10 51	1 5	21 39	0 27	4 17	2 16	18 20	0 10	15 59	1 36	15 45	16 24	11 42	12 13	23 2		n.a.
F 21	3 17	3n13	1 38	11 35	2 1	18 31	0n 3	10 36	1 5	21 39	0 27	4 20	2 16	18 20	0 10	15 59	1 36	15 44	16 24	11 41	12 12	23 0		n.a.
S 22	2 53	9 47	0 23	11 3	2 2	18 17	0 7	10 21	1 4	21 39	0 27	4 22	2 16	18 20	0 10	16 0	1 36	15 43	16 24	11 41	12 11	22 58		n.a.
S 23	2 29	15 42	0n51	10 29	2 2	18 2	0 12	10 6	1 4	21 40	0 27	4 25	2 16	18 20	0 10	16 0	1 36	15 42	16 24	11 41	12 10	22 56		n.a.
M24	2 5	20 40	2 1	9 53	2 2	17 47	0 16	9 51	1 4	21 40	0 27	4 28	2 15	18 19	0 10	16 1	1 36	15 41	16 24	11 41	12 9	22 54		n.a.
T 25	1 41	24 31	3 2	9 15	2 1	17 32	0 20	9 36	1 4	21 40	0 27	4 30	2 15	18 19	0 10	16 1	1 36	15 40	16 24	11 42	12 8	22 52		n.a.
W26	1 17	27 5	3 52	8 36	1 59	17 16	0 24	9 21	1 4	21 41	0 27	4 33	2 15	18 19	0 10	16 2	1 36	15 39	16 24	11 42	12 7	22 50		n.a.
T 27	0 52	28 17	4 31	7 56	1 57	16 59	0 28	9 6	1 4	21 41	0 27	4 36	2 15	18 18	0 10	16 2	1 36	15 38	16 24	11 42	12 6	22 48		n.a.
F 28	0 28	28 6	4 58	7 15	1 54	16 42	0 32	8 50	1 3	21 41	0 27	4 38	2 15	18 18	0 10	16 3	1 36	15 37	16 24	11 42	12 5	22 46		n.a.
S 29	0 4	26 38	5 11	6 33	1 50	16 24	0 36	8 35	1 3	21 41	0 27	4 41	2 15	18 18	0 10	16 3	1 36	15 36	16 24	11 41	12 3	22 44		n.a.
S 30	0s20	23n59	5n11	5n50	1n47	16n 6	0n40	8n19	1n 3	21n41	0s27	4s44	2n15	18n18	0s10	16s 4	1n36	15n35	16n24	11n40	12n 2	22n42		n.a.

Julian Day Number = 1542328.5, Delta T = 04h36m46s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'41, Lahiri = -10°43'40 Julian Calendar 1 Sept. 491 BCE == Greg. Calendar 27 Aug. 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

OCTOBER 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 14 14	1♎50'38	18♌ 4	21♍10	19♌41	12♍ 8	9♊15	17♎13	21°R46	18♏37	28♍30	0°R 2	1♉ 8	10♌39	n.a.	M 1
T 2	0 18 11	2°50'56	0♍ 2	22°49	20°52	12°48	9°15	17°20	21♉45	18°39	28°33	29♈57	1° 4	10°46	n.a.	T 2
W 3	0 22 7	3°51'15	12° 6	24°28	22° 2	13°28	9°R15	17°27	21°43	18°41	28°35	29°52	1° 1	10°52	n.a.	W 3
T 4	0 26 4	4°51'37	24°19	26° 7	23°12	14° 8	9°15	17°34	21°42	18°42	28°38	29°48	0°58	10°59	n.a.	T 4
F 5	0 30 0	5°52'00	6♎43	27°46	24°23	14°47	9°15	17°41	21°40	18°44	28°40	29°45	0°55	11° 6	n.a.	F 5
S 6	0 33 57	6°52'26	19°18	29°25	25°33	15°27	9°14	17°48	21°39	18°46	28°42	29°44	0°52	11°13	n.a.	S 6
S 7	0 37 54	7°52'53	2♏ 4	1♎ 3	26°44	16° 7	9°13	17°55	21°37	18°48	28°45	29°D43	0°49	11°19	n.a.	S 7
M 8	0 41 50	8°53'21	15° 3	2°41	27°55	16°47	9°13	18° 2	21°36	18°50	28°47	29°44	0°45	11°26	n.a.	M 8
T 9	0 45 47	9°53'52	28°15	4°19	29° 6	17°27	9°11	18° 9	21°34	18°52	28°50	29°45	0°42	11°33	n.a.	T 9
W10	0 49 43	10°54'24	11♐40	5°57	0♍17	18° 7	9°10	18°16	21°32	18°53	28°52	29°47	0°39	11°40	n.a.	W10
T 11	0 53 40	11°54'57	25°19	7°34	1°28	18°47	9° 9	18°23	21°30	18°55	28°54	29°48	0°36	11°46	n.a.	T 11
F 12	0 57 36	12°55'32	9♑11	9°11	2°40	19°27	9° 7	18°30	21°28	18°57	28°57	29°R49	0°33	11°53	n.a.	F 12
S 13	1 1 33	13°56'08	23°18	10°48	3°51	20° 7	9° 5	18°37	21°27	18°59	28°59	29°49	0°29	12° 0	n.a.	S 13
S 14	1 5 29	14°56'45	7♒36	12°25	5° 3	20°47	9° 3	18°44	21°25	19° 1	29° 2	29°48	0°26	12° 6	n.a.	S 14
M15	1 9 26	15°57'24	22° 4	14° 1	6°15	21°27	9° 0	18°51	21°23	19° 3	29° 4	29°46	0°23	12°13	n.a.	M15
T 16	1 13 23	16°58'04	6♓36	15°37	7°26	22° 8	8°58	18°58	21°21	19° 5	29° 6	29°44	0°20	12°20	n.a.	T 16
W17	1 17 19	17°58'45	21° 9	17°12	8°38	22°48	8°55	19° 5	21°19	19° 7	29° 9	29°43	0°17	12°27	n.a.	W17
T 18	1 21 16	18°59'27	5♈35	18°48	9°50	23°28	8°52	19°12	21°17	19° 9	29°11	29°42	0°14	12°33	n.a.	T 18
F 19	1 25 12	20° 0'11	19°49	20°23	11° 3	24° 8	8°49	19°19	21°15	19°11	29°13	29°41	0°10	12°40	n.a.	F 19
S 20	1 29 9	21° 0'57	3♉46	21°58	12°15	24°48	8°46	19°26	21°13	19°13	29°16	29°D41	0° 7	12°47	n.a.	S 20
S 21	1 33 5	22° 1'44	17°22	23°33	13°27	25°29	8°42	19°33	21°11	19°15	29°18	29°41	0° 4	12°53	n.a.	S 21
M22	1 37 2	23° 2'32	0♊37	25° 7	14°40	26° 9	8°39	19°40	21° 8	19°17	29°20	29°42	0° 1	13° 0	n.a.	M22
T 23	1 40 58	24° 3'23	13°30	26°42	15°52	26°49	8°35	19°47	21° 6	19°19	29°22	29°43	29♈58	13° 7	n.a.	T 23
W24	1 44 55	25° 4'14	26° 4	28°16	17° 5	27°30	8°31	19°54	21° 4	19°21	29°25	29°43	29°54	13°14	n.a.	W24
T 25	1 48 52	26° 5'08	8♋20	29°50	18°18	28°10	8°26	20° 1	21° 2	19°23	29°27	29°44	29°51	13°20	n.a.	T 25
F 26	1 52 48	27° 6'02	20°24	1♏24	19°30	28°50	8°22	20° 8	21° 0	19°26	29°29	29°44	29°48	13°27	n.a.	F 26
S 27	1 56 45	28° 6'59	2♌20	2°58	20°43	29°31	8°17	20°15	20°57	19°28	29°31	29°R44	29°45	13°34	n.a.	S 27
S 28	2 0 41	29° 7'56	14°12	4°31	21°56	0♎11	8°13	20°22	20°55	19°30	29°33	29°44	29°42	13°41	n.a.	S 28
M29	2 4 38	0♏ 8'55	26° 5	6° 5	23° 9	0°52	8° 8	20°29	20°53	19°32	29°36	29°D44	29°39	13°47	n.a.	M29
T 30	2 8 34	1° 9'56	8♍ 4	7°39	24°23	1°32	8° 3	20°36	20°50	19°34	29°38	29°44	29°35	13°54	n.a.	T 30
W31	2 12 31	2♏10'58	20♍12	9♏12	25♍36	2♎13	7♊57	20♎43	20♉48	19♏36	29♍40	29♈44	29♈32	14♌ 1	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	0s45	20n19	4n57	5n 7	1n42	15n47	0n43	8n 4	1n 3	21n42	0s27	4s47	2n15	18n17	0s10	16s 4	1n35	15n34	16n24	11n38	12n 1	22n40			n.a.
T 2	1 9	15 49	4 31	4 23	1 38	15 28	0 47	7 48	1 2	21 42	0 27	4 49	2 15	18 17	0 10	16 5	1 35	15 33	16 24	11 36	12 0	22 38			n.a.
W 3	1 33	10 41	3 52	3 39	1 33	15 8	0 50	7 32	1 2	21 42	0 27	4 52	2 15	18 16	0 10	16 5	1 35	15 32	16 24	11 35	11 59	22 36			n.a.
T 4	1 57	5 4	3 2	2 54	1 28	14 48	0 54	7 17	1 2	21 42	0 26	4 55	2 15	18 16	0 10	16 6	1 35	15 31	16 24	11 33	11 58	22 34			n.a.
F 5	2 22	0s49	2 3	2 10	1 23	14 28	0 57	7 1	1 2	21 42	0 26	4 58	2 15	18 16	0 10	16 6	1 35	15 30	16 24	11 32	11 57	22 32			n.a.
S 6	2 46	6 46	0 57	1 25	1 17	14 7	1 0	6 45	1 2	21 42	0 26	5 0	2 15	18 15	0 10	16 7	1 35	15 29	16 24	11 31	11 56	22 30			n.a.
S 7	3 10	12 33	0s13	0 40	1 11	13 45	1 3	6 29	1 1	21 42	0 26	5 3	2 14	18 15	0 10	16 7	1 35	15 29	16 24	11 31	11 54	22 28			n.a.
M 8	3 34	17 54	1 23	0s 5	1 5	13 23	1 6	6 13	1 1	21 42	0 26	5 6	2 14	18 14	0 10	16 8	1 35	15 28	16 24	11 32	11 53	22 26			n.a.
T 9	3 58	22 29	2 31	0 50	0 59	13 1	1 9	5 57	1 1	21 41	0 26	5 8	2 14	18 14	0 10	16 8	1 35	15 27	16 24	11 32	11 52	22 24			n.a.
W10	4 22	25 58	3 31	1 35	0 53	12 38	1 12	5 41	1 1	21 41	0 26	5 11	2 14	18 13	0 10	16 9	1 35	15 26	16 24	11 33	11 51	22 21			n.a.
T 11	4 46	28 1	4 20	2 20	0 47	12 15	1 15	5 25	1 0	21 41	0 26	5 14	2 14	18 13	0 10	16 9	1 35	15 25	16 24	11 33	11 50	22 19			n.a.
F 12	5 10	28 21	4 56	3 4	0 40	11 52	1 18	5 9	1 0	21 41	0 26	5 17	2 14	18 13	0 10	16 10	1 35	15 24	16 24	11 33	11 49	22 17			n.a.
S 13	5 34	26 52	5 14	3 49	0 34	11 28	1 20	4 53	1 0	21 41	0 26	5 19	2 14	18 12	0 10	16 11	1 35	15 23	16 24	11 33	11 48	22 15			n.a.
S 14	5 58	23 39	5 13	4 33	0 27	11 4	1 23	4 36	1 0	21 40	0 26	5 22	2 14	18 12	0 10	16 11	1 35	15 22	16 25	11 33	11 47	22 13			n.a.
M15	6 22	18 56	4 52	5 17	0 21	10 39	1 25	4 20	0 59	21 40	0 26	5 25	2 14	18 11	0 10	16 12	1 35	15 22	16 25	11 32	11 45	22 11			n.a.
T 16	6 45	13 7	4 13	6 0	0 14	10 14	1 27	4 4	0 59	21 40	0 26	5 27	2 14	18 11	0 10	16 12	1 35	15 21	16 25	11 32	11 44	22 9			n.a.
W17	7 9	6 34	3 17	6 43	0 8	9 49	1 29	3 48	0 59	21 39	0 26	5 30	2 14	18 10	0 10	16 13	1 35	15 20	16 25	11 31	11 43	22 7			n.a.
T 18	7 32	0n16	2 10	7 26	0 1	9 23	1 32	3 31	0 58	21 39	0 26	5 33	2 14	18 9	0 10	16 13	1 35	15 19	16 25	11 31	11 42	22 4			n.a.
F 19	7 55	7 1	0 54	8 9	0s 5	8 58	1 34	3 15	0 58	21 39	0 26	5 36	2 14	18 9	0 10	16 14	1 35	15 19	16 25	11 30	11 41	22 2			n.a.
S 20	8 18	13 17	0n23	8 51	0 12	8 31	1 36	2 58	0 58	21 38	0 25	5 38	2 14	18 8	0 10	16 15	1 35	15 18	16 26	11 30	11 40	22 0			n.a.
S 21	8 41	18 47	1 36	9 33	0 18	8 5	1 37	2 42	0 58	21 38	0 25	5 41	2 14	18 8	0 10	16 15	1 35	15 17	16 26	11 31	11 39	21 58			n.a.
M22	9 4	23 12	2 43	10 14	0 25	7 38	1 39	2 25	0 57	21 37	0 25	5 44	2 14	18 7	0 10	16 16	1 35	15 16	16 26	11 31	11 38	21 56			n.a.
T 23	9 27	26 21	3 40	10 55	0 31	7 11	1 41	2 9	0 57	21 37	0 25	5 46	2 14	18 7	0 10	16 16	1 35	15 16	16 26	11 31	11 36	21 54			n.a.
W24	9 50	28 6	4 24	11 35	0 37	6 44	1 42	1 52	0 57	21 36	0 25	5 49	2 14	18 6	0 10	16 17	1 35	15 15	16 26	11 31	11 35	21 51			n.a.
T 25	10 12	28 24	4 55	12 14	0 44	6 17	1 44	1 36	0 56	21 35	0 25	5 52	2 14	18 6	0 10	16 18	1 35	15 14	16 27	11 31	11 34	21 49			n.a.
F 26	10 34	27 20	5 13	12 54	0 50	5 49	1 45	1 19	0 56	21 35	0 25	5 54	2 14	18 5	0 10	16 18	1 35	15 13	16 27	11 31	11 33	21 47			n.a.
S 27	10 57	25 2	5 17	13 32	0 56	5 21	1 46	1 3	0 56	21 34	0 25	5 57	2 14	18 4	0 10	16 19	1 35	15 13	16 27	11 31	11 32	21 45			n.a.
S 28	11 19	21 40	5 7	14 10	1 2	4 53	1 47	0 46	0 55	21 34	0 25	6 0	2 14	18 4	0 10	16 19	1 35	15 12	16 27	11 31	11 31	21 43			n.a.
M29	11 40	17 26	4 44	14 47	1 8	4 25	1 49	0 30	0 55	21 33	0 25	6 2	2 14	18 3	0 10	16 20	1 34	15 11	16 28	11 31	11 30	21 40			n.a.
T 30	12 2	12 29	4 9	15 24	1 13	3 56	1 49	0 13	0 55	21 32	0 25	6 5	2 14	18 2	0 10	16 21	1 34	15 11	16 28	11 31	11 28	21 38			n.a.
W31	12s23	7n 1	3n22	16s 0	1s19	3n27	1n50	0s 4	0n54	21n31	0s25	6s 8	2n14	18n 2	0s10	16s21	1n34	15n10	16n28	11n32	11n27	21n36			n.a.

Julian Day Number = 1542358.5, Delta T = 04h36m45s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'37, Lahiri = -10°43'36 Julian Calendar 1 Oct. 491 BCE == Greg. Calendar 26 Sept. 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

NOVEMBER 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 16 27	3♏12'01	2♎33	10♏46	26♍49	2♎53	7°R52	20♎50	20°R45	19♏39	29♍42	29♈44	29♈29	14♌ 7	n.a.	T 1
F 2	2 20 24	4°13'05	15° 9	12°19	28° 2	3°34	7♊46	20°57	20♉43	19°41	29°44	29°45	29°26	14°14	n.a.	F 2
S 3	2 24 21	5°14'10	28° 1	13°53	29°16	4°15	7°41	21° 4	20°41	19°43	29°46	29°R45	29°23	14°21	n.a.	S 3
S 4	2 28 17	6°15'17	11♏10	15°26	0♎29	4°55	7°35	21°11	20°38	19°45	29°48	29°45	29°20	14°28	n.a.	S 4
M 5	2 32 14	7°16'24	24°34	17° 0	1°43	5°36	7°29	21°18	20°36	19°47	29°50	29°44	29°16	14°34	n.a.	M 5
T 6	2 36 10	8°17'32	8♐13	18°33	2°56	6°17	7°22	21°24	20°33	19°50	29°52	29°43	29°13	14°41	n.a.	T 6
W 7	2 40 7	9°18'41	22° 3	20° 6	4°10	6°58	7°16	21°31	20°31	19°52	29°54	29°42	29°10	14°48	n.a.	W 7
T 8	2 44 3	10°19'51	6♑ 2	21°39	5°24	7°38	7°10	21°38	20°28	19°54	29°56	29°41	29° 7	14°54	n.a.	T 8
F 9	2 48 0	11°21'01	20° 8	23°12	6°38	8°19	7° 3	21°45	20°26	19°56	29°58	29°40	29° 4	15° 1	n.a.	F 9
S 10	2 51 57	12°22'11	4♒17	24°45	7°51	9° 0	6°56	21°52	20°23	19°59	0♎ 0	29°39	29° 0	15° 8	n.a.	S 10
S 11	2 55 53	13°23'22	18°28	26°18	9° 5	9°41	6°49	21°58	20°21	20° 1	0° 2	29°D39	28°57	15°15	n.a.	S 11
M12	2 59 50	14°24'33	2♓39	27°51	10°19	10°22	6°43	22° 5	20°18	20° 3	0° 4	29°39	28°54	15°21	n.a.	M12
T 13	3 3 46	15°25'44	16°47	29°23	11°33	11° 3	6°35	22°12	20°16	20° 5	0° 6	29°41	28°51	15°28	n.a.	T 13
W14	3 7 43	16°26'56	0♈49	0♐55	12°47	11°43	6°28	22°18	20°13	20° 8	0° 8	29°42	28°48	15°35	n.a.	W14
T 15	3 11 39	17°28'08	14°45	2°27	14° 1	12°24	6°21	22°25	20°10	20°10	0°10	29°43	28°45	15°41	n.a.	T 15
F 16	3 15 36	18°29'20	28°31	3°58	15°15	13° 5	6°14	22°31	20° 8	20°12	0°12	29°R44	28°41	15°48	n.a.	F 16
S 17	3 19 32	19°30'33	12♉ 5	5°28	16°29	13°46	6° 6	22°38	20° 5	20°14	0°13	29°43	28°38	15°55	n.a.	S 17
S 18	3 23 29	20°31'46	25°25	6°58	17°43	14°27	5°59	22°45	20° 3	20°17	0°15	29°42	28°35	16° 2	n.a.	S 18
M19	3 27 26	21°33'00	8♊29	8°27	18°58	15° 9	5°51	22°51	20° 0	20°19	0°17	29°39	28°32	16° 8	n.a.	M19
T 20	3 31 22	22°34'14	21°17	9°54	20°12	15°50	5°43	22°57	19°58	20°21	0°19	29°35	28°29	16°15	n.a.	T 20
W21	3 35 19	23°35'29	3♋48	11°20	21°26	16°31	5°36	23° 4	19°55	20°24	0°20	29°31	28°26	16°22	n.a.	W21
T 22	3 39 15	24°36'44	16° 5	12°45	22°40	17°12	5°28	23°10	19°53	20°26	0°22	29°27	28°22	16°28	n.a.	T 22
F 23	3 43 12	25°38'00	28°10	14° 8	23°55	17°53	5°20	23°17	19°50	20°28	0°23	29°24	28°19	16°35	n.a.	F 23
S 24	3 47 8	26°39'15	10♌ 7	15°28	25° 9	18°34	5°12	23°23	19°47	20°30	0°25	29°21	28°16	16°42	n.a.	S 24
S 25	3 51 5	27°40'32	21°59	16°46	26°23	19°15	5° 4	23°29	19°45	20°33	0°27	29°20	28°13	16°49	n.a.	S 25
M26	3 55 1	28°41'48	3♍51	18° 0	27°38	19°57	4°56	23°35	19°42	20°35	0°28	29°D20	28°10	16°55	n.a.	M26
T 27	3 58 58	29°43'05	15°49	19°10	28°52	20°38	4°48	23°41	19°40	20°37	0°30	29°21	28° 6	17° 2	n.a.	T 27
W28	4 2 55	0♐44'22	27°57	20°17	0♏ 7	21°19	4°40	23°48	19°37	20°39	0°31	29°22	28° 3	17° 9	n.a.	W28
T 29	4 6 51	1°45'40	10♎19	21°18	1°21	22° 1	4°32	23°54	19°35	20°42	0°33	29°24	28° 0	17°16	n.a.	T 29
F 30	4 10 48	2♐46'57	23♎ 1	22♐13	2♏36	22♎42	4♊23	24♎ 0	19♉32	20♏44	0♎34	29°R25	27♈57	17♌22	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s45	1n11	2n25	16s35	1s24	2n59	1n51	0s20	0n54	21n31	0s24	6s10	2n14	18n 1	0s10	16s22	1n34	15n10	16n28	11n32	11n26	21n34		n.a.
F 2	13 6	4s49	1 20	17 9	1 29	2 30	1 52	0 37	0 54	21 30	0 24	6 13	2 14	18 1	0 10	16 22	1 34	15 9	16 29	11 32	11 25	21 32		n.a.
S 3	13 26	10 46	0 10	17 43	1 34	2 1	1 52	0 54	0 53	21 29	0 24	6 15	2 14	18 0	0 10	16 23	1 34	15 9	16 29	11 32	11 24	21 29		n.a.
S 4	13 47	16 22	1s 3	18 15	1 39	1 32	1 53	1 10	0 53	21 28	0 24	6 18	2 14	17 59	0 10	16 24	1 34	15 8	16 29	11 32	11 23	21 27		n.a.
M 5	14 7	21 19	2 13	18 47	1 44	1 2	1 53	1 27	0 53	21 27	0 24	6 20	2 14	17 59	0 10	16 24	1 34	15 7	16 30	11 32	11 22	21 25		n.a.
T 6	14 27	25 13	3 17	19 18	1 48	0 33	1 54	1 44	0 52	21 26	0 24	6 23	2 14	17 58	0 10	16 25	1 34	15 7	16 30	11 31	11 20	21 23		n.a.
W 7	14 47	27 41	4 11	19 48	1 52	0 4	1 54	2 0	0 52	21 25	0 24	6 26	2 14	17 57	0 10	16 26	1 34	15 6	16 30	11 31	11 19	21 20		n.a.
T 8	15 7	28 26	4 50	20 17	1 56	0s26	1 54	2 17	0 52	21 24	0 24	6 28	2 14	17 57	0 10	16 26	1 34	15 6	16 31	11 30	11 18	21 18		n.a.
F 9	15 26	27 22	5 12	20 45	1 59	0 55	1 54	2 34	0 51	21 23	0 24	6 31	2 14	17 56	0 10	16 27	1 34	15 5	16 31	11 30	11 17	21 16		n.a.
S 10	15 45	24 32	5 15	21 11	2 3	1 25	1 54	2 50	0 51	21 22	0 23	6 33	2 14	17 55	0 10	16 27	1 34	15 5	16 31	11 30	11 16	21 13		n.a.
S 11	16 4	20 13	4 59	21 37	2 5	1 54	1 54	3 7	0 50	21 21	0 23	6 36	2 14	17 55	0 10	16 28	1 34	15 5	16 32	11 30	11 15	21 11		n.a.
M12	16 22	14 47	4 25	22 1	2 8	2 24	1 54	3 23	0 50	21 20	0 23	6 38	2 15	17 54	0 10	16 29	1 34	15 4	16 32	11 30	11 14	21 9		n.a.
T 13	16 41	8 35	3 35	22 24	2 10	2 54	1 53	3 40	0 50	21 19	0 23	6 41	2 15	17 53	0 10	16 29	1 34	15 4	16 32	11 30	11 13	21 7		n.a.
W14	16 59	2 0	2 33	22 46	2 12	3 23	1 53	3 57	0 49	21 18	0 23	6 43	2 15	17 53	0 10	16 30	1 34	15 3	16 33	11 31	11 11	21 4		n.a.
T 15	17 16	4n38	1 22	23 6	2 13	3 53	1 53	4 13	0 49	21 17	0 23	6 45	2 15	17 52	0 10	16 31	1 34	15 3	16 33	11 31	11 10	21 2		n.a.
F 16	17 33	10 59	0 7	23 25	2 14	4 22	1 52	4 30	0 48	21 16	0 23	6 48	2 15	17 51	0 10	16 31	1 34	15 3	16 33	11 31	11 9	21 0		n.a.
S 17	17 50	16 44	1n 8	23 42	2 14	4 51	1 51	4 46	0 48	21 14	0 23	6 50	2 15	17 50	0 10	16 32	1 34	15 2	16 34	11 31	11 8	20 57		n.a.
S 18	18 7	21 35	2 17	23 58	2 14	5 21	1 51	5 3	0 48	21 13	0 23	6 53	2 15	17 50	0 10	16 32	1 34	15 2	16 34	11 31	11 7	20 55		n.a.
M19	18 23	25 15	3 17	24 12	2 14	5 50	1 50	5 19	0 47	21 12	0 22	6 55	2 15	17 49	0 10	16 33	1 34	15 2	16 35	11 30	11 6	20 53		n.a.
T 20	18 39	27 34	4 6	24 24	2 12	6 19	1 49	5 35	0 47	21 11	0 22	6 57	2 15	17 48	0 10	16 34	1 34	15 1	16 35	11 28	11 4	20 50		n.a.
W21	18 55	28 25	4 43	24 35	2 10	6 48	1 48	5 52	0 46	21 10	0 22	7 0	2 15	17 48	0 10	16 34	1 34	15 1	16 35	11 27	11 3	20 48		n.a.
T 22	19 10	27 49	5 5	24 44	2 7	7 17	1 47	6 8	0 46	21 8	0 22	7 2	2 15	17 47	0 10	16 35	1 34	15 1	16 36	11 25	11 2	20 46		n.a.
F 23	19 25	25 55	5 13	24 51	2 4	7 46	1 46	6 25	0 45	21 7	0 22	7 4	2 15	17 46	0 10	16 35	1 34	15 0	16 36	11 24	11 1	20 43		n.a.
S 24	19 40	22 53	5 8	24 56	2 0	8 14	1 45	6 41	0 45	21 6	0 22	7 6	2 15	17 46	0 10	16 36	1 34	15 0	16 37	11 23	11 0	20 41		n.a.
S 25	19 54	18 55	4 49	24 59	1 54	8 43	1 44	6 57	0 44	21 4	0 22	7 9	2 15	17 45	0 10	16 37	1 34	15 0	16 37	11 23	10 59	20 39		n.a.
M26	20 8	14 14	4 18	25 0	1 48	9 11	1 42	7 13	0 44	21 3	0 21	7 11	2 16	17 44	0 10	16 37	1 34	15 0	16 38	11 23	10 58	20 36		n.a.
T 27	20 21	8 59	3 36	24 59	1 41	9 39	1 41	7 29	0 44	21 2	0 21	7 13	2 16	17 44	0 10	16 38	1 34	15 0	16 38	11 23	10 56	20 34		n.a.
W28	20 35	3 19	2 44	24 56	1 33	10 7	1 39	7 46	0 43	21 0	0 21	7 15	2 16	17 43	0 10	16 38	1 34	14 59	16 39	11 24	10 55	20 31		n.a.
T 29	20 47	2s34	1 43	24 52	1 24	10 34	1 38	8 2	0 43	20 59	0 21	7 17	2 16	17 42	0 10	16 39	1 34	14 59	16 39	11 24	10 54	20 29		n.a.
F 30	21s 0	8s31	0n35	24s45	1s13	11s 2	1n36	8s18	0n42	20n58	0s21	7s19	2n16	17n42	0s10	16s40	1n34	14n59	16n40	11n25	10n53	20n27		n.a.

Julian Day Number = 1542389.5, Delta T = 04h36m44s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'33, Lahiri = -10°43'32 Julian Calendar 1 Nov. 491 BCE == Greg. Calendar 27 Oct. 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 491 BCE
geocentric

DECEMBER 491 BCE (-490) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 14 44	3♐48'15	6♏ 4	23♐ 1	3♏50	23♎24	4°R15	24♎ 6	19°R30	20♏46	0♎35	29°R25	27♈54	17♌29	n.a.	S 1
S 2	4 18 41	4°49'33	19°29	23°42	5° 5	24° 5	4♊ 7	24°12	19♉27	20°48	0°37	29♈24	27°51	17°36	n.a.	S 2
M 3	4 22 37	5°50'50	3♐17	24°14	6°19	24°46	3°59	24°17	19°25	20°50	0°38	29°20	27°47	17°42	n.a.	M 3
T 4	4 26 34	6°52'08	17°23	24°37	7°34	25°28	3°51	24°23	19°23	20°53	0°39	29°15	27°44	17°49	n.a.	T 4
W 5	4 30 31	7°53'25	1♑44	24°50	8°49	26° 9	3°43	24°29	19°20	20°55	0°41	29° 9	27°41	17°56	n.a.	W 5
T 6	4 34 27	8°54'42	16°13	24°R52	10° 3	26°51	3°35	24°35	19°18	20°57	0°42	29° 2	27°38	18° 3	n.a.	T 6
F 7	4 38 24	9°55'58	0♒43	24°42	11°18	27°32	3°27	24°40	19°15	20°59	0°43	28°56	27°35	18° 9	n.a.	F 7
S 8	4 42 20	10°57'14	15°10	24°21	12°32	28°14	3°19	24°46	19°13	21° 1	0°44	28°52	27°32	18°16	n.a.	S 8
S 9	4 46 17	11°58'29	29°29	23°47	13°47	28°56	3°11	24°51	19°11	21° 4	0°45	28°49	27°28	18°23	n.a.	S 9
M10	4 50 13	12°59'43	13♓37	23° 3	15° 2	29°37	3° 3	24°57	19° 8	21° 6	0°46	28°D49	27°25	18°29	n.a.	M10
T 11	4 54 10	14° 0'56	27°32	22° 8	16°16	0♏19	2°55	25° 2	19° 6	21° 8	0°47	28°49	27°22	18°36	n.a.	T 11
W12	4 58 6	15° 2'08	11♈15	21° 4	17°31	1° 1	2°47	25° 8	19° 4	21°10	0°48	28°51	27°19	18°43	n.a.	W12
T 13	5 2 3	16° 3'20	24°46	19°53	18°46	1°42	2°39	25°13	19° 2	21°12	0°49	28°R51	27°16	18°50	n.a.	T 13
F 14	5 6 0	17° 4'30	8♉ 5	18°37	20° 0	2°24	2°32	25°18	19° 0	21°14	0°50	28°51	27°12	18°56	n.a.	F 14
S 15	5 9 56	18° 5'40	21°13	17°19	21°15	3° 6	2°24	25°23	18°57	21°16	0°51	28°49	27° 9	19° 3	n.a.	S 15
S 16	5 13 53	19° 6'49	4♊10	16° 0	22°30	3°48	2°17	25°28	18°55	21°18	0°52	28°44	27° 6	19°10	n.a.	S 16
M17	5 17 49	20° 7'58	16°56	14°44	23°44	4°29	2° 9	25°33	18°53	21°20	0°53	28°36	27° 3	19°16	n.a.	M17
T 18	5 21 46	21° 9'05	29°31	13°33	24°59	5°11	2° 2	25°38	18°51	21°22	0°54	28°27	27° 0	19°23	n.a.	T 18
W19	5 25 42	22°10'12	11♋54	12°28	26°14	5°53	1°55	25°43	18°49	21°24	0°55	28°17	26°57	19°30	n.a.	W19
T 20	5 29 39	23°11'18	24° 6	11°30	27°28	6°35	1°48	25°48	18°47	21°26	0°55	28° 6	26°53	19°37	n.a.	T 20
F 21	5 33 36	24°12'24	6♌ 8	10°41	28°43	7°17	1°41	25°53	18°45	21°28	0°56	27°56	26°50	19°43	n.a.	F 21
S 22	5 37 32	25°13'28	18° 4	10° 1	29°58	7°59	1°34	25°58	18°43	21°30	0°57	27°47	26°47	19°50	n.a.	S 22
S 23	5 41 29	26°14'32	29°54	9°30	1♐13	8°41	1°27	26° 2	18°41	21°32	0°57	27°41	26°44	19°57	n.a.	S 23
M24	5 45 25	27°15'35	11♍45	9° 8	2°27	9°23	1°20	26° 7	18°39	21°34	0°58	27°37	26°41	20° 3	n.a.	M24
T 25	5 49 22	28°16'37	23°40	8°55	3°42	10° 5	1°14	26°11	18°38	21°36	0°59	27°D36	26°38	20°10	n.a.	T 25
W26	5 53 18	29°17'38	5♎44	8°D50	4°57	10°47	1° 7	26°16	18°36	21°38	0°59	27°36	26°34	20°17	n.a.	W26
T 27	5 57 15	0♑18'39	18° 4	8°53	6°12	11°29	1° 1	26°20	18°34	21°40	1° 0	27°37	26°31	20°24	n.a.	T 27
F 28	6 1 11	1°19'38	0♏43	9° 4	7°26	12°11	0°55	26°24	18°32	21°42	1° 0	27°R37	26°28	20°30	n.a.	F 28
S 29	6 5 8	2°20'37	13°47	9°21	8°41	12°53	0°49	26°28	18°31	21°44	1° 0	27°36	26°25	20°37	n.a.	S 29
S 30	6 9 5	3°21'35	27°18	9°45	9°56	13°35	0°43	26°32	18°29	21°46	1° 1	27°32	26°22	20°44	n.a.	S 30
M31	6 13 1	4♑22'32	11♐17	10♐14	11♐10	14♏17	0♊38	26♎36	18♉27	21♏47	1♎ 1	27♈26	26♈18	20♌50	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s11	14s17	0s36	24s36	1s 2	11s29	1n35	8s34	0n42	20n56	0s21	7s22	2n16	17n41	0s10	16s40	1n34	14n59	16n40	11n25	10n52	20n24		n.a.
S 2	21 23	19 33	1 47	24 25	0 49	11 56	1 33	8 50	0 41	20 55	0 21	7 24	2 16	17 40	0 10	16 41	1 34	14 59	16 41	11 24	10 51	20 22		n.a.
M 3	21 34	23 56	2 54	24 12	0 35	12 22	1 31	9 5	0 41	20 53	0 20	7 26	2 16	17 40	0 10	16 41	1 34	14 59	16 41	11 23	10 50	20 19		n.a.
T 4	21 45	26 59	3 51	23 58	0 19	12 49	1 29	9 21	0 40	20 52	0 20	7 28	2 16	17 39	0 10	16 42	1 34	14 59	16 42	11 21	10 48	20 17		n.a.
W 5	21 55	28 20	4 35	23 42	0 3	13 15	1 28	9 37	0 40	20 51	0 20	7 30	2 17	17 38	0 10	16 43	1 34	14 59	16 42	11 19	10 47	20 15		n.a.
T 6	22 5	27 45	5 2	23 25	0n15	13 40	1 26	9 53	0 39	20 49	0 20	7 32	2 17	17 38	0 10	16 43	1 34	14 59	16 43	11 17	10 46	20 12		n.a.
F 7	22 14	25 17	5 9	23 6	0 33	14 6	1 24	10 8	0 38	20 48	0 20	7 34	2 17	17 37	0 10	16 44	1 34	14 59	16 43	11 14	10 45	20 10		n.a.
S 8	22 23	21 13	4 57	22 46	0 52	14 31	1 22	10 24	0 38	20 47	0 20	7 36	2 17	17 36	0 10	16 44	1 34	14 59	16 44	11 13	10 44	20 7		n.a.
S 9	22 31	15 57	4 26	22 25	1 12	14 55	1 20	10 39	0 37	20 45	0 19	7 38	2 17	17 36	0 10	16 45	1 34	14 59	16 44	11 12	10 43	20 5		n.a.
M10	22 40	9 54	3 40	22 3	1 31	15 19	1 18	10 55	0 37	20 44	0 19	7 39	2 17	17 35	0 10	16 45	1 34	14 59	16 45	11 12	10 41	20 2		n.a.
T 11	22 47	3 27	2 41	21 41	1 51	15 43	1 15	11 10	0 36	20 42	0 19	7 41	2 17	17 35	0 10	16 46	1 34	14 59	16 45	11 12	10 40	20 0		n.a.
W12	22 54	3n 4	1 34	21 18	2 9	16 7	1 13	11 25	0 36	20 41	0 19	7 43	2 18	17 34	0 10	16 46	1 34	14 59	16 46	11 12	10 39	19 58		n.a.
T 13	23 1	9 22	0 22	20 56	2 26	16 30	1 11	11 40	0 35	20 40	0 19	7 45	2 18	17 33	0 10	16 47	1 34	14 59	16 46	11 13	10 38	19 55		n.a.
F 14	23 7	15 10	0n50	20 34	2 42	16 52	1 9	11 56	0 35	20 38	0 19	7 47	2 18	17 33	0 10	16 48	1 34	14 59	16 47	11 13	10 37	19 53		n.a.
S 15	23 13	20 11	1 57	20 14	2 56	17 15	1 6	12 11	0 34	20 37	0 18	7 49	2 18	17 32	0 10	16 48	1 34	14 59	16 47	11 12	10 36	19 50		n.a.
S 16	23 18	24 10	2 58	19 54	3 7	17 36	1 4	12 25	0 33	20 36	0 18	7 50	2 18	17 32	0 9	16 49	1 34	14 59	16 48	11 10	10 35	19 48		n.a.
M17	23 23	26 54	3 49	19 37	3 16	17 58	1 2	12 40	0 33	20 34	0 18	7 52	2 18	17 31	0 9	16 49	1 34	14 59	16 48	11 7	10 33	19 45		n.a.
T 18	23 27	28 13	4 27	19 22	3 23	18 18	0 59	12 55	0 32	20 33	0 18	7 54	2 18	17 30	0 9	16 50	1 34	15 0	16 49	11 4	10 32	19 43		n.a.
W19	23 31	28 4	4 52	19 10	3 27	18 39	0 57	13 10	0 32	20 32	0 18	7 55	2 19	17 30	0 9	16 50	1 34	15 0	16 49	11 0	10 31	19 40		n.a.
T 20	23 35	26 33	5 4	19 1	3 29	18 58	0 54	13 24	0 31	20 30	0 18	7 57	2 19	17 29	0 9	16 51	1 34	15 0	16 50	10 56	10 30	19 38		n.a.
F 21	23 38	23 51	5 2	18 54	3 29	19 18	0 52	13 39	0 30	20 29	0 17	7 58	2 19	17 29	0 9	16 51	1 34	15 0	16 50	10 53	10 29	19 35		n.a.
S 22	23 40	20 9	4 46	18 51	3 26	19 36	0 49	13 53	0 30	20 28	0 17	8 0	2 19	17 28	0 9	16 52	1 34	15 0	16 51	10 50	10 28	19 33		n.a.
S 23	23 42	15 40	4 18	18 50	3 23	19 55	0 47	14 7	0 29	20 27	0 17	8 2	2 19	17 28	0 9	16 52	1 34	15 1	16 52	10 47	10 26	19 30		n.a.
M24	23 44	10 37	3 39	18 51	3 18	20 12	0 44	14 22	0 28	20 26	0 17	8 3	2 19	17 27	0 9	16 53	1 34	15 1	16 52	10 46	10 25	19 28		n.a.
T 25	23 45	5 9	2 51	18 56	3 11	20 29	0 42	14 36	0 28	20 24	0 17	8 5	2 20	17 27	0 9	16 53	1 35	15 1	16 53	10 45	10 24	19 25		n.a.
W26	23 45	0s34	1 54	19 2	3 4	20 46	0 39	14 50	0 27	20 23	0 16	8 6	2 20	17 26	0 9	16 54	1 35	15 1	16 53	10 45	10 23	19 23		n.a.
T 27	23 45	6 24	0 51	19 11	2 56	21 2	0 37	15 3	0 26	20 22	0 16	8 7	2 20	17 26	0 9	16 54	1 35	15 2	16 54	10 46	10 22	19 20		n.a.
F 28	23 45	12 8	0s17	19 21	2 47	21 17	0 34	15 17	0 26	20 21	0 16	8 9	2 20	17 25	0 9	16 54	1 35	15 2	16 54	10 46	10 21	19 18		n.a.
S 29	23 44	17 32	1 25	19 33	2 38	21 32	0 31	15 31	0 25	20 20	0 16	8 10	2 20	17 25	0 9	16 55	1 35	15 2	16 55	10 45	10 19	19 15		n.a.
S 30	23 43	22 16	2 31	19 46	2 28	21 46	0 29	15 44	0 24	20 19	0 16	8 11	2 20	17 24	0 9	16 55	1 35	15 3	16 55	10 44	10 18	19 12		n.a.
M31	23s41	25s54	3s30	20s 0	2n18	21s59	0n26	15s58	0n24	20n18	0s16	8s13	2n21	17n24	0s 9	16s56	1n35	15n 3	16n56	10n42	10n17	19n10		n.a.

Julian Day Number = 1542419.5, Delta T = 04h36m43s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'28, Lahiri = -10°43'28 Julian Calendar 1 Dec. 491 BCE == Greg. Calendar 26 Nov. 491 BCE

The year -490 astronomical counting style corresponds to year 491 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

JANUARY 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 16 58	5♑23'28	25♐41	10♐49	12♐25	15♏ 0	0°R32	26♎40	18°R26	21♏49	1♎ 2	27°R17	26♈15	20♌57	n.a.	T 1
W 2	6 20 54	6°24'22	10♑26	11°28	13°40	15°42	0♊27	26°44	18♉24	21°51	1° 2	27♈ 7	26°12	21° 4	n.a.	W 2
T 3	6 24 51	7°25'16	25°22	12°12	14°55	16°24	0°21	26°48	18°23	21°53	1° 2	26°55	26° 9	21°11	n.a.	T 3
F 4	6 28 47	8°26'07	10♒21	13° 0	16° 9	17° 6	0°16	26°51	18°22	21°54	1° 2	26°45	26° 6	21°17	n.a.	F 4
S 5	6 32 44	9°26'57	25°12	13°52	17°24	17°49	0°12	26°55	18°20	21°56	1° 2	26°37	26° 3	21°24	n.a.	S 5
S 6	6 36 40	10°27'46	9♓50	14°47	18°39	18°31	0° 7	26°59	18°19	21°58	1° 3	26°31	25°59	21°31	n.a.	S 6
M 7	6 40 37	11°28'32	24° 9	15°45	19°54	19°13	0° 2	27° 2	18°18	21°59	1° 3	26°27	25°56	21°37	n.a.	M 7
T 8	6 44 34	12°29'17	8♈ 7	16°45	21° 8	19°56	29♉58	27° 5	18°16	22° 1	1° 3	26°D26	25°53	21°44	n.a.	T 8
W 9	6 48 30	13°30'00	21°45	17°49	22°23	20°38	29°54	27° 8	18°15	22° 3	1°R 3	26°R26	25°50	21°51	n.a.	W 9
T 10	6 52 27	14°30'41	5♉ 4	18°54	23°38	21°20	29°50	27°12	18°14	22° 4	1° 3	26°26	25°47	21°57	n.a.	T 10
F 11	6 56 23	15°31'20	18° 7	20° 2	24°52	22° 3	29°46	27°15	18°13	22° 6	1° 3	26°25	25°44	22° 4	n.a.	F 11
S 12	7 0 20	16°31'58	0♊56	21°12	26° 7	22°45	29°43	27°18	18°12	22° 7	1° 3	26°21	25°40	22°11	n.a.	S 12
S 13	7 4 16	17°32'34	13°34	22°24	27°22	23°28	29°39	27°21	18°11	22° 9	1° 2	26°13	25°37	22°18	n.a.	S 13
M14	7 8 13	18°33'08	26° 1	23°37	28°36	24°10	29°36	27°23	18°10	22°10	1° 2	26° 3	25°34	22°24	n.a.	M14
T 15	7 12 10	19°33'40	8♋20	24°52	29°51	24°53	29°33	27°26	18° 9	22°12	1° 2	25°51	25°31	22°31	n.a.	T 15
W16	7 16 6	20°34'11	20°31	26° 9	1♑ 5	25°35	29°30	27°29	18° 8	22°13	1° 2	25°36	25°28	22°38	n.a.	W16
T 17	7 20 3	21°34'39	2♌35	27°27	2°20	26°18	29°27	27°31	18° 8	22°14	1° 2	25°22	25°24	22°44	n.a.	T 17
F 18	7 23 59	22°35'06	14°33	28°47	3°35	27° 0	29°25	27°34	18° 7	22°16	1° 1	25° 8	25°21	22°51	n.a.	F 18
S 19	7 27 56	23°35'32	26°25	0♑ 8	4°49	27°43	29°23	27°36	18° 6	22°17	1° 1	24°55	25°18	22°58	n.a.	S 19
S 20	7 31 52	24°35'55	8♍15	1°30	6° 4	28°25	29°21	27°38	18° 6	22°18	1° 1	24°46	25°15	23° 5	n.a.	S 20
M21	7 35 49	25°36'17	20° 5	2°54	7°19	29° 8	29°19	27°40	18° 5	22°20	1° 0	24°39	25°12	23°11	n.a.	M21
T 22	7 39 45	26°36'37	1♎59	4°19	8°33	29°51	29°17	27°42	18° 5	22°21	1° 0	24°36	25° 9	23°18	n.a.	T 22
W23	7 43 42	27°36'56	14° 1	5°45	9°48	0♐33	29°16	27°44	18° 4	22°22	0°59	24°34	25° 5	23°25	n.a.	W23
T 24	7 47 38	28°37'13	26°17	7°12	11° 2	1°16	29°14	27°46	18° 4	22°23	0°59	24°34	25° 2	23°31	n.a.	T 24
F 25	7 51 35	29°37'29	8♏52	8°40	12°17	1°59	29°13	27°48	18° 3	22°24	0°58	24°34	24°59	23°38	n.a.	F 25
S 26	7 55 32	0♒37'43	21°50	10°10	13°31	2°41	29°12	27°49	18° 3	22°25	0°58	24°33	24°56	23°45	n.a.	S 26
S 27	7 59 28	1°37'55	5♐17	11°40	14°46	3°24	29°12	27°51	18° 3	22°27	0°57	24°29	24°53	23°52	n.a.	S 27
M28	8 3 25	2°38'06	19°13	13°12	16° 1	4° 7	29°11	27°52	18° 3	22°28	0°56	24°23	24°50	23°58	n.a.	M28
T 29	8 7 21	3°38'15	3♑39	14°45	17°15	4°50	29°11	27°54	18° 2	22°29	0°56	24°14	24°46	24° 5	n.a.	T 29
W30	8 11 18	4°38'22	18°31	16°19	18°30	5°32	29°D11	27°55	18° 2	22°30	0°55	24° 4	24°43	24°12	n.a.	W30
T 31	8 15 14	5♒38'27	3♒40	17♑54	19♑44	6♐15	29♉11	27♎56	18°D 2	22♏31	0♎54	23♈52	24♈40	24♌18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23s39	27s58	4s17	20s15	2n 8	22s12	0n23	16s11	0n23	20n17	0s15	8s14	2n21	17n24	0s 9	16s56	1n35	15n 4	16n57	10n39	10n16	19n 7			n.a.
W 2	23 36	28 9	4 49	20 30	1 58	22 24	0 21	16 24	0 22	20 16	0 15	8 15	2 21	17 23	0 9	16 57	1 35	15 4	16 57	10 35	10 15	19 5			n.a.
T 3	23 33	26 17	5 1	20 46	1 48	22 35	0 18	16 37	0 22	20 15	0 15	8 16	2 21	17 23	0 9	16 57	1 35	15 4	16 58	10 31	10 14	19 2			n.a.
F 4	23 29	22 35	4 53	21 3	1 38	22 46	0 15	16 50	0 21	20 14	0 15	8 18	2 21	17 22	0 9	16 58	1 35	15 5	16 58	10 27	10 12	19 0			n.a.
S 5	23 25	17 26	4 25	21 19	1 27	22 56	0 13	17 3	0 20	20 13	0 15	8 19	2 22	17 22	0 9	16 58	1 35	15 5	16 59	10 24	10 11	18 57			n.a.
S 6	23 20	11 22	3 40	21 36	1 17	23 6	0 10	17 15	0 19	20 12	0 15	8 20	2 22	17 22	0 9	16 58	1 35	15 6	16 59	10 22	10 10	18 54			n.a.
M 7	23 15	4 49	2 42	21 52	1 7	23 14	0 8	17 28	0 19	20 12	0 14	8 21	2 22	17 21	0 9	16 59	1 35	15 6	17 0	10 20	10 9	18 52			n.a.
T 8	23 10	1n48	1 35	22 8	0 57	23 22	0 5	17 40	0 18	20 11	0 14	8 22	2 22	17 21	0 9	16 59	1 35	15 7	17 0	10 20	10 8	18 49			n.a.
W 9	23 4	8 12	0 25	22 24	0 48	23 30	0 2	17 52	0 17	20 10	0 14	8 23	2 22	17 21	0 9	17 0	1 35	15 7	17 1	10 20	10 7	18 47			n.a.
T 10	22 57	14 6	0n45	22 39	0 38	23 36	0s 0	18 4	0 16	20 9	0 14	8 24	2 23	17 20	0 9	17 0	1 35	15 8	17 2	10 20	10 5	18 44			n.a.
F 11	22 50	19 14	1 52	22 54	0 28	23 42	0 3	18 16	0 16	20 9	0 14	8 25	2 23	17 20	0 9	17 0	1 35	15 8	17 2	10 19	10 4	18 41			n.a.
S 12	22 43	23 24	2 51	23 8	0 19	23 47	0 6	18 28	0 15	20 8	0 13	8 26	2 23	17 20	0 9	17 1	1 35	15 9	17 3	10 18	10 3	18 39			n.a.
S 13	22 35	26 23	3 41	23 22	0 10	23 52	0 8	18 39	0 14	20 8	0 13	8 26	2 23	17 20	0 9	17 1	1 35	15 9	17 3	10 15	10 2	18 36			n.a.
M14	22 27	28 1	4 20	23 35	0 1	23 56	0 11	18 51	0 13	20 7	0 13	8 27	2 23	17 19	0 9	17 1	1 35	15 10	17 4	10 12	10 1	18 34			n.a.
T 15	22 19	28 14	4 46	23 47	0s 7	23 59	0 13	19 2	0 13	20 7	0 13	8 28	2 24	17 19	0 9	17 2	1 35	15 10	17 4	10 7	10 0	18 31			n.a.
W16	22 9	27 4	4 58	23 58	0 16	24 1	0 16	19 13	0 12	20 6	0 13	8 29	2 24	17 19	0 9	17 2	1 35	15 11	17 5	10 2	9 58	18 28			n.a.
T 17	22 0	24 39	4 57	24 8	0 24	24 2	0 18	19 24	0 11	20 6	0 13	8 29	2 24	17 19	0 9	17 2	1 35	15 12	17 5	9 56	9 57	18 26			n.a.
F 18	21 50	21 11	4 43	24 17	0 32	24 3	0 21	19 35	0 10	20 5	0 12	8 30	2 24	17 19	0 9	17 3	1 35	15 12	17 6	9 51	9 56	18 23			n.a.
S 19	21 40	16 52	4 16	24 25	0 39	24 3	0 23	19 46	0 9	20 5	0 12	8 31	2 24	17 18	0 9	17 3	1 35	15 13	17 6	9 46	9 55	18 20			n.a.
S 20	21 29	11 57	3 38	24 32	0 47	24 2	0 25	19 56	0 8	20 5	0 12	8 31	2 25	17 18	0 9	17 3	1 35	15 13	17 7	9 43	9 54	18 18			n.a.
M21	21 18	6 36	2 51	24 37	0 54	24 1	0 28	20 6	0 8	20 5	0 12	8 32	2 25	17 18	0 9	17 3	1 35	15 14	17 7	9 41	9 53	18 15			n.a.
T 22	21 7	0 59	1 56	24 42	1 1	23 59	0 30	20 17	0 7	20 4	0 12	8 32	2 25	17 18	0 9	17 4	1 35	15 15	17 8	9 39	9 51	18 12			n.a.
W23	20 55	4s45	0 55	24 45	1 7	23 56	0 32	20 27	0 6	20 4	0 11	8 33	2 25	17 18	0 9	17 4	1 35	15 15	17 8	9 39	9 50	18 10			n.a.
T 24	20 43	10 25	0s 9	24 47	1 13	23 52	0 35	20 36	0 5	20 4	0 11	8 33	2 25	17 18	0 9	17 4	1 36	15 16	17 9	9 39	9 49	18 7			n.a.
F 25	20 30	15 49	1 15	24 47	1 19	23 48	0 37	20 46	0 4	20 4	0 11	8 34	2 26	17 18	0 9	17 5	1 36	15 17	17 10	9 39	9 48	18 4			n.a.
S 26	20 17	20 42	2 19	24 46	1 25	23 43	0 39	20 55	0 3	20 4	0 11	8 34	2 26	17 18	0 9	17 5	1 36	15 17	17 10	9 38	9 47	18 2			n.a.
S 27	20 4	24 42	3 17	24 44	1 30	23 37	0 41	21 5	0 2	20 4	0 11	8 35	2 26	17 18	0 9	17 5	1 36	15 18	17 11	9 37	9 45	17 59			n.a.
M28	19 50	27 24	4 6	24 40	1 35	23 30	0 44	21 14	0 1	20 4	0 11	8 35	2 26	17 18	0 9	17 5	1 36	15 19	17 11	9 34	9 44	17 56			n.a.
T 29	19 36	28 24	4 42	24 35	1 40	23 23	0 46	21 23	0 0	20 4	0 10	8 35	2 27	17 17	0 9	17 6	1 36	15 19	17 11	9 31	9 43	17 54			n.a.
W30	19 21	27 24	4 59	24 28	1 44	23 15	0 48	21 31	0s 0	20 4	0 10	8 35	2 27	17 17	0 9	17 6	1 36	15 20	17 12	9 27	9 42	17 51			n.a.
T 31	19s 7	24s23	4s56	24s20	1s48	23s 6	0s50	21s40	0s 1	20n 5	0s10	8s36	2n27	17n17	0s 9	17s 6	1n36	15n21	17n12	9n23	9n41	17n48			n.a.

Julian Day Number = 1542450.5, Delta T = 04h36m41s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'24, Lahiri = -10°43'24 Julian Calendar 1 Jan. 490 BCE == Greg. Calendar 27 Dec. 491 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

FEBRUARY 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 19 11	6♒38'31	18♒56	19♑30	20♑59	6♐58	29♉11	27♎57	18♉ 2	22♏32	0°R54	23°R42	24♈37	24♌25	n.a.	F 1
S 2	8 23 8	7°38'32	4♓ 8	21° 7	22°13	7°41	29°12	27°58	18° 2	22°32	0♎53	23♈33	24°34	24°32	n.a.	S 2
S 3	8 27 4	8°38'30	19° 6	22°45	23°28	8°24	29°12	27°59	18° 3	22°33	0°52	23°26	24°30	24°38	n.a.	S 3
M 4	8 31 1	9°38'27	3♈43	24°24	24°42	9° 7	29°13	28° 0	18° 3	22°34	0°51	23°22	24°27	24°45	n.a.	M 4
T 5	8 34 57	10°38'21	17°54	26° 5	25°57	9°50	29°14	28° 0	18° 3	22°35	0°50	23°D21	24°24	24°52	n.a.	T 5
W 6	8 38 54	11°38'13	1♉39	27°46	27°11	10°32	29°16	28° 1	18° 3	22°36	0°49	23°21	24°21	24°59	n.a.	W 6
T 7	8 42 50	12°38'02	14°59	29°29	28°26	11°15	29°17	28° 1	18° 4	22°37	0°48	23°R21	24°18	25° 5	n.a.	T 7
F 8	8 46 47	13°37'50	27°58	1♒13	29°40	11°58	29°19	28° 2	18° 4	22°37	0°47	23°20	24°15	25°12	n.a.	F 8
S 9	8 50 43	14°37'34	10♊39	2°58	0♒55	12°41	29°21	28° 2	18° 4	22°38	0°46	23°17	24°11	25°19	n.a.	S 9
S 10	8 54 40	15°37'17	23° 6	4°44	2° 9	13°24	29°23	28° 2	18° 5	22°39	0°45	23°12	24° 8	25°25	n.a.	S 10
M11	8 58 36	16°36'57	5♋22	6°32	3°23	14° 7	29°25	28°R 2	18° 5	22°39	0°44	23° 4	24° 5	25°32	n.a.	M11
T 12	9 2 33	17°36'35	17°29	8°20	4°38	14°50	29°27	28° 2	18° 6	22°40	0°43	22°53	24° 2	25°39	n.a.	T 12
W13	9 6 30	18°36'10	29°30	10°10	5°52	15°33	29°30	28° 2	18° 7	22°40	0°42	22°41	23°59	25°46	n.a.	W13
T 14	9 10 26	19°35'44	11♌26	12° 1	7° 7	16°16	29°33	28° 2	18° 7	22°41	0°41	22°29	23°56	25°52	n.a.	T 14
F 15	9 14 23	20°35'15	23°19	13°54	8°21	16°59	29°36	28° 1	18° 8	22°41	0°40	22°17	23°52	25°59	n.a.	F 15
S 16	9 18 19	21°34'44	5♍ 9	15°47	9°35	17°42	29°39	28° 1	18° 9	22°42	0°39	22° 6	23°49	26° 6	n.a.	S 16
S 17	9 22 16	22°34'10	17° 0	17°42	10°50	18°25	29°42	28° 0	18°10	22°42	0°37	21°59	23°46	26°12	n.a.	S 17
M18	9 26 12	23°33'35	28°53	19°38	12° 4	19° 8	29°46	28° 0	18°11	22°43	0°36	21°53	23°43	26°19	n.a.	M18
T 19	9 30 9	24°32'58	10♎50	21°35	13°18	19°51	29°50	27°59	18°12	22°43	0°35	21°50	23°40	26°26	n.a.	T 19
W20	9 34 5	25°32'19	22°55	23°33	14°33	20°34	29°53	27°58	18°13	22°43	0°34	21°D50	23°36	26°32	n.a.	W20
T 21	9 38 2	26°31'37	5♏13	25°32	15°47	21°17	29°58	27°57	18°14	22°44	0°32	21°50	23°33	26°39	n.a.	T 21
F 22	9 41 59	27°30'54	17°46	27°32	17° 1	22° 0	0♊ 2	27°56	18°15	22°44	0°31	21°51	23°30	26°46	n.a.	F 22
S 23	9 45 55	28°30'10	0♐41	29°33	18°16	22°43	0° 6	27°55	18°16	22°44	0°30	21°R52	23°27	26°53	n.a.	S 23
S 24	9 49 52	29°29'23	14° 1	1♓35	19°30	23°27	0°11	27°54	18°17	22°44	0°28	21°51	23°24	26°59	n.a.	S 24
M25	9 53 48	0♓28'34	27°48	3°38	20°44	24°10	0°15	27°52	18°19	22°44	0°27	21°48	23°21	27° 6	n.a.	M25
T 26	9 57 45	1°27'44	12♑ 5	5°41	21°58	24°53	0°20	27°51	18°20	22°44	0°26	21°43	23°17	27°13	n.a.	T 26
W27	10 1 41	2°26'52	26°47	7°44	23°13	25°36	0°25	27°50	18°21	22°45	0°24	21°36	23°14	27°19	n.a.	W27
T 28	10 5 38	3♓25'57	11♒51	9♓47	24♒27	26♐19	0♊31	27♎48	18♉23	22♏45	0♎23	21♈29	23♈11	27♌26	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s52	19s39	4s32	24s 9	1s52	22s57	0s52	21s48	0s 2	20n 5	0s10	8s36	2n27	17n18	0s 9	17s 6	1n36	15n22	17n13	9n19	9n40	17n45		n.a.
S 2	18 36	13 40	3 49	23 58	1 55	22 47	0 54	21 56	0 3	20 5	0 10	8 36	2 27	17 18	0 9	17 6	1 36	15 22	17 13	9 16	9 38	17 43		n.a.
S 3	18 20	6 58	2 51	23 44	1 58	22 36	0 55	22 4	0 4	20 5	0 10	8 36	2 28	17 18	0 9	17 7	1 36	15 23	17 14	9 13	9 37	17 40		n.a.
M 4	18 4	0 4	1 42	23 29	2 0	22 24	0 57	22 12	0 5	20 6	0 9	8 36	2 28	17 18	0 9	17 7	1 36	15 24	17 14	9 12	9 36	17 37		n.a.
T 5	17 48	6n40	0 29	23 13	2 2	22 12	0 59	22 19	0 6	20 6	0 9	8 36	2 28	17 18	0 9	17 7	1 36	15 25	17 15	9 11	9 35	17 35		n.a.
W 6	17 31	12 53	0n44	22 54	2 4	21 59	1 1	22 27	0 7	20 7	0 9	8 36	2 28	17 18	0 9	17 7	1 36	15 25	17 15	9 11	9 34	17 32		n.a.
T 7	17 14	18 20	1 52	22 34	2 5	21 46	1 2	22 34	0 8	20 7	0 9	8 36	2 29	17 18	0 9	17 7	1 36	15 26	17 16	9 11	9 32	17 29		n.a.
F 8	16 57	22 46	2 53	22 12	2 6	21 32	1 4	22 41	0 9	20 8	0 9	8 36	2 29	17 18	0 9	17 7	1 36	15 27	17 16	9 11	9 31	17 26		n.a.
S 9	16 40	26 1	3 43	21 48	2 6	21 17	1 6	22 47	0 10	20 8	0 9	8 36	2 29	17 18	0 9	17 7	1 36	15 28	17 16	9 10	9 30	17 24		n.a.
S 10	16 22	27 56	4 22	21 22	2 6	21 2	1 7	22 54	0 11	20 9	0 8	8 36	2 29	17 18	0 9	17 8	1 36	15 28	17 17	9 8	9 29	17 21		n.a.
M11	16 4	28 27	4 48	20 54	2 5	20 46	1 9	23 0	0 12	20 9	0 8	8 36	2 29	17 19	0 9	17 8	1 36	15 29	17 17	9 5	9 28	17 18		n.a.
T 12	15 46	27 34	5 1	20 25	2 4	20 29	1 10	23 6	0 13	20 10	0 8	8 35	2 30	17 19	0 9	17 8	1 36	15 30	17 18	9 1	9 27	17 15		n.a.
W13	15 27	25 25	5 0	19 54	2 3	20 12	1 11	23 12	0 14	20 11	0 8	8 35	2 30	17 19	0 9	17 8	1 36	15 31	17 18	8 56	9 25	17 13		n.a.
T 14	15 8	22 9	4 46	19 20	2 0	19 55	1 13	23 17	0 15	20 12	0 8	8 35	2 30	17 19	0 8	17 8	1 36	15 32	17 18	8 52	9 24	17 10		n.a.
F 15	14 49	18 0	4 20	18 45	1 58	19 36	1 14	23 23	0 16	20 12	0 8	8 34	2 30	17 19	0 8	17 8	1 37	15 32	17 19	8 47	9 23	17 7		n.a.
S 16	14 30	13 11	3 42	18 8	1 55	19 18	1 15	23 28	0 17	20 13	0 8	8 34	2 30	17 20	0 8	17 8	1 37	15 33	17 19	8 43	9 22	17 4		n.a.
S 17	14 10	7 52	2 55	17 30	1 51	18 58	1 16	23 33	0 18	20 14	0 7	8 34	2 31	17 20	0 8	17 8	1 37	15 34	17 20	8 40	9 21	17 1		n.a.
M18	13 51	2 16	2 0	16 49	1 47	18 38	1 17	23 38	0 20	20 15	0 7	8 33	2 31	17 20	0 8	17 8	1 37	15 35	17 20	8 38	9 19	16 59		n.a.
T 19	13 31	3s27	0 59	16 6	1 42	18 18	1 18	23 42	0 21	20 16	0 7	8 33	2 31	17 20	0 8	17 8	1 37	15 36	17 20	8 37	9 18	16 56		n.a.
W20	13 11	9 7	0s 6	15 22	1 37	17 57	1 19	23 47	0 22	20 17	0 7	8 32	2 31	17 21	0 8	17 8	1 37	15 37	17 21	8 37	9 17	16 53		n.a.
T 21	12 50	14 33	1 11	14 36	1 31	17 35	1 20	23 51	0 23	20 18	0 7	8 32	2 31	17 21	0 8	17 8	1 37	15 37	17 21	8 37	9 16	16 50		n.a.
F 22	12 30	19 30	2 15	13 48	1 24	17 13	1 21	23 55	0 24	20 19	0 7	8 31	2 32	17 21	0 8	17 8	1 37	15 38	17 21	8 38	9 15	16 48		n.a.
S 23	12 9	23 43	3 13	12 59	1 17	16 51	1 22	23 58	0 25	20 20	0 7	8 31	2 32	17 22	0 8	17 8	1 37	15 39	17 22	8 38	9 13	16 45		n.a.
S 24	11 48	26 48	4 3	12 8	1 9	16 28	1 22	24 2	0 26	20 21	0 6	8 30	2 32	17 22	0 8	17 8	1 37	15 40	17 22	8 37	9 12	16 42		n.a.
M25	11 27	28 25	4 41	11 15	1 1	16 5	1 23	24 5	0 27	20 22	0 6	8 29	2 32	17 22	0 8	17 8	1 37	15 41	17 22	8 36	9 11	16 39		n.a.
T 26	11 6	28 13	5 3	10 22	0 52	15 41	1 24	24 8	0 28	20 24	0 6	8 29	2 32	17 23	0 8	17 8	1 37	15 41	17 22	8 34	9 10	16 36		n.a.
W27	10 44	26 4	5 6	9 27	0 43	15 17	1 24	24 11	0 30	20 25	0 6	8 28	2 33	17 23	0 8	17 8	1 37	15 42	17 23	8 32	9 9	16 33		n.a.
T 28	10s23	22s 4	4s48	8s31	0s33	14s52	1s25	24s13	0s31	20n26	0s 6	8s27	2n33	17n24	0s 8	17s 8	1n37	15n43	17n23	8n29	9n 8	16n31		n.a.

Julian Day Number = 1542481.5, Delta T = 04h36m40s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'20, Lahiri = -10°43'20 Julian Calendar 1 Feb. 490 BCE == Greg. Calendar 27 Jan. 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

MARCH 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 9 34	4♓25'01	27♒ 6	11♓50	25♒41	27♐ 2	0♊36	27°R46	18♉24	22°R45	0°R21	21°R21	23♈ 8	27♌33	n.a.	F 1
S 2	10 13 31	5°24'02	12♓22	13°53	26°55	27°45	0°42	27♎45	18°26	22♏45	0♎20	21♈15	23° 5	27°39	n.a.	S 2
S 3	10 17 28	6°23'01	27°29	15°54	28°10	28°28	0°47	27°43	18°27	22°45	0°18	21°11	23° 1	27°46	n.a.	S 3
M 4	10 21 24	7°21'58	12♈18	17°55	29°24	29°11	0°53	27°41	18°29	22°44	0°17	21° 9	22°58	27°53	n.a.	M 4
T 5	10 25 21	8°20'53	26°42	19°54	0♓38	29°55	0°59	27°39	18°30	22°44	0°15	21°D 9	22°55	28° 0	n.a.	T 5
W 6	10 29 17	9°19'45	10♉38	21°51	1°52	0♑38	1° 5	27°36	18°32	22°44	0°14	21°10	22°52	28° 6	n.a.	W 6
T 7	10 33 14	10°18'35	24° 8	23°46	3° 6	1°21	1°12	27°34	18°34	22°44	0°12	21°11	22°49	28°13	n.a.	T 7
F 8	10 37 10	11°17'23	7♊12	25°38	4°21	2° 4	1°18	27°32	18°36	22°44	0°11	21°R12	22°46	28°20	n.a.	F 8
S 9	10 41 7	12°16'08	19°54	27°27	5°35	2°47	1°25	27°30	18°37	22°44	0° 9	21°12	22°42	28°26	n.a.	S 9
S 10	10 45 3	13°14'51	2♋19	29°13	6°49	3°30	1°32	27°27	18°39	22°43	0° 7	21°10	22°39	28°33	n.a.	S 10
M11	10 49 0	14°13'32	14°30	0♈55	8° 3	4°13	1°39	27°25	18°41	22°43	0° 6	21° 7	22°36	28°40	n.a.	M11
T 12	10 52 56	15°12'10	26°31	2°34	9°17	4°56	1°46	27°22	18°43	22°43	0° 4	21° 2	22°33	28°46	n.a.	T 12
W13	10 56 53	16°10'46	8♌26	4° 8	10°31	5°39	1°53	27°19	18°45	22°42	0° 3	20°56	22°30	28°53	n.a.	W13
T 14	11 0 50	17° 9'20	20°18	5°38	11°45	6°22	2° 0	27°16	18°47	22°42	0° 1	20°50	22°27	29° 0	n.a.	T 14
F 15	11 4 46	18° 7'51	2♍ 9	7° 3	12°59	7° 5	2° 8	27°14	18°49	22°41	29♍59	20°44	22°23	29° 7	n.a.	F 15
S 16	11 8 43	19° 6'20	14° 0	8°23	14°13	7°48	2°15	27°11	18°52	22°41	29°58	20°38	22°20	29°13	n.a.	S 16
S 17	11 12 39	20° 4'48	25°55	9°39	15°27	8°32	2°23	27° 8	18°54	22°40	29°56	20°35	22°17	29°20	n.a.	S 17
M18	11 16 36	21° 3'13	7♎54	10°49	16°42	9°15	2°31	27° 5	18°56	22°40	29°54	20°32	22°14	29°27	n.a.	M18
T 19	11 20 32	22° 1'37	20° 0	11°54	17°56	9°58	2°39	27° 1	18°58	22°39	29°53	20°D32	22°11	29°33	n.a.	T 19
W20	11 24 29	22°59'58	2♏15	12°53	19°10	10°41	2°47	26°58	19° 0	22°39	29°51	20°32	22° 7	29°40	n.a.	W20
T 21	11 28 25	23°58'18	14°42	13°48	20°24	11°24	2°55	26°55	19° 3	22°38	29°49	20°34	22° 4	29°47	n.a.	T 21
F 22	11 32 22	24°56'36	27°23	14°36	21°38	12° 7	3° 4	26°51	19° 5	22°37	29°48	20°35	22° 1	29°53	n.a.	F 22
S 23	11 36 18	25°54'53	10♐22	15°20	22°52	12°50	3°12	26°48	19° 8	22°37	29°46	20°37	21°58	0♍ 0	n.a.	S 23
S 24	11 40 15	26°53'08	23°41	15°57	24° 6	13°33	3°21	26°45	19°10	22°36	29°44	20°R37	21°55	0° 7	n.a.	S 24
M25	11 44 12	27°51'21	7♑22	16°29	25°20	14°16	3°29	26°41	19°12	22°35	29°43	20°37	21°52	0°13	n.a.	M25
T 26	11 48 8	28°49'33	21°26	16°55	26°33	14°59	3°38	26°37	19°15	22°35	29°41	20°36	21°48	0°20	n.a.	T 26
W27	11 52 5	29°47'44	5♒53	17°16	27°47	15°41	3°47	26°34	19°18	22°34	29°39	20°34	21°45	0°27	n.a.	W27
T 28	11 56 1	0♈45'52	20°39	17°30	29° 1	16°24	3°56	26°30	19°20	22°33	29°37	20°31	21°42	0°34	n.a.	T 28
F 29	11 59 58	1°43'59	5♓37	17°40	0♈15	17° 7	4° 6	26°26	19°23	22°32	29°36	20°29	21°39	0°40	n.a.	F 29
S 30	12 3 54	2°42'05	20°40	17°R44	1°29	17°50	4°15	26°22	19°25	22°31	29°34	20°27	21°36	0°47	n.a.	S 30
S 31	12 7 51	3♈40'08	5♈39	17♈42	2♈43	18♑33	4♊24	26♎19	19♉28	22♏30	29♍32	20♈26	21♈33	0♍54	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10s 1	16s33	4s10	7s34	0s23	14s27	1s25	24s15	0s32	20n27	0s 6	8s26	2n33	17n24	0s 8	17s 8	1n37	15n44	17n23	8n26	9n 6	16n28		n.a.
S 2	9 39	9 59	3 14	6 37	0 13	14 2	1 25	24 17	0 33	20 29	0 5	8 26	2 33	17 25	0 8	17 8	1 37	15 45	17 23	8 24	9 5	16 25		n.a.
S 3	9 17	2 54	2 4	5 39	0 2	13 36	1 26	24 19	0 34	20 30	0 5	8 25	2 33	17 25	0 8	17 8	1 37	15 46	17 24	8 22	9 4	16 22		n.a.
M 4	8 55	4n12	0 48	4 41	0n10	13 10	1 26	24 21	0 36	20 31	0 5	8 24	2 34	17 25	0 8	17 8	1 37	15 46	17 24	8 22	9 3	16 19		n.a.
T 5	8 33	10 54	0n30	3 44	0 21	12 44	1 26	24 22	0 37	20 33	0 5	8 23	2 34	17 26	0 8	17 8	1 37	15 47	17 24	8 21	9 2	16 16		n.a.
W 6	8 11	16 51	1 44	2 46	0 33	12 17	1 26	24 23	0 38	20 34	0 5	8 22	2 34	17 26	0 8	17 8	1 37	15 48	17 24	8 22	9 0	16 14		n.a.
T 7	7 48	21 47	2 49	1 49	0 45	11 50	1 26	24 24	0 39	20 36	0 5	8 21	2 34	17 27	0 8	17 8	1 37	15 49	17 25	8 22	8 59	16 11		n.a.
F 8	7 25	25 28	3 44	0 54	0 57	11 22	1 26	24 25	0 40	20 37	0 5	8 20	2 34	17 27	0 8	17 8	1 37	15 50	17 25	8 23	8 58	16 8		n.a.
S 9	7 3	27 47	4 26	0n 1	1 9	10 55	1 26	24 25	0 42	20 39	0 5	8 19	2 34	17 28	0 8	17 8	1 38	15 50	17 25	8 23	8 57	16 5		n.a.
S 10	6 40	28 38	4 54	0 54	1 20	10 27	1 25	24 25	0 43	20 40	0 4	8 18	2 35	17 28	0 8	17 7	1 38	15 51	17 25	8 22	8 56	16 2		n.a.
M11	6 17	28 4	5 8	1 46	1 31	9 59	1 25	24 25	0 44	20 42	0 4	8 17	2 35	17 29	0 8	17 7	1 38	15 52	17 25	8 21	8 54	15 59		n.a.
T 12	5 54	26 11	5 9	2 36	1 43	9 30	1 25	24 25	0 45	20 43	0 4	8 16	2 35	17 30	0 8	17 7	1 38	15 53	17 25	8 19	8 53	15 56		n.a.
W13	5 31	23 9	4 56	3 23	1 53	9 1	1 25	24 25	0 47	20 45	0 4	8 15	2 35	17 30	0 8	17 7	1 38	15 53	17 25	8 16	8 52	15 53		n.a.
T 14	5 8	19 11	4 31	4 9	2 3	8 32	1 24	24 24	0 48	20 46	0 4	8 14	2 35	17 31	0 8	17 7	1 38	15 54	17 26	8 14	8 51	15 51		n.a.
F 15	4 45	14 29	3 54	4 52	2 13	8 3	1 24	24 23	0 49	20 48	0 4	8 12	2 35	17 31	0 8	17 7	1 38	15 55	17 26	8 12	8 50	15 48		n.a.
S 16	4 22	9 14	3 6	5 32	2 22	7 34	1 23	24 22	0 50	20 50	0 4	8 11	2 36	17 32	0 8	17 7	1 38	15 56	17 26	8 10	8 48	15 45		n.a.
S 17	3 59	3 38	2 11	6 10	2 30	7 4	1 22	24 20	0 52	20 51	0 3	8 10	2 36	17 33	0 8	17 6	1 38	15 56	17 26	8 8	8 47	15 42		n.a.
M18	3 36	2s 8	1 9	6 45	2 38	6 34	1 22	24 19	0 53	20 53	0 3	8 9	2 36	17 33	0 8	17 6	1 38	15 57	17 26	8 8	8 46	15 39		n.a.
T 19	3 12	7 53	0 3	7 17	2 44	6 4	1 21	24 17	0 54	20 55	0 3	8 8	2 36	17 34	0 8	17 6	1 38	15 58	17 26	8 7	8 45	15 36		n.a.
W20	2 49	13 25	1s 4	7 46	2 50	5 34	1 20	24 15	0 56	20 57	0 3	8 6	2 36	17 35	0 8	17 6	1 38	15 59	17 26	8 7	8 44	15 33		n.a.
T 21	2 25	18 31	2 9	8 12	2 55	5 4	1 19	24 12	0 57	20 58	0 3	8 5	2 36	17 35	0 8	17 6	1 38	15 59	17 26	8 8	8 42	15 30		n.a.
F 22	2 2	22 54	3 9	8 35	2 59	4 34	1 18	24 10	0 58	21 0	0 3	8 4	2 36	17 36	0 8	17 5	1 38	16 0	17 26	8 9	8 41	15 27		n.a.
S 23	1 39	26 16	4 1	8 54	3 2	4 3	1 17	24 7	1 0	21 2	0 3	8 2	2 36	17 37	0 8	17 5	1 38	16 1	17 26	8 9	8 40	15 24		n.a.
S 24	1 15	28 17	4 41	9 11	3 4	3 33	1 16	24 4	1 1	21 4	0 3	8 1	2 37	17 37	0 8	17 5	1 38	16 1	17 26	8 9	8 39	15 21		n.a.
M25	0 52	28 39	5 6	9 24	3 5	3 2	1 15	24 1	1 2	21 5	0 2	7 59	2 37	17 38	0 8	17 5	1 38	16 2	17 26	8 9	8 38	15 19		n.a.
T 26	0 28	27 12	5 15	9 34	3 4	2 31	1 14	23 57	1 4	21 7	0 2	7 58	2 37	17 39	0 8	17 5	1 38	16 3	17 26	8 9	8 36	15 16		n.a.
W27	0 5	23 57	5 4	9 40	3 3	2 0	1 13	23 54	1 5	21 9	0 2	7 57	2 37	17 39	0 8	17 4	1 38	16 3	17 26	8 8	8 35	15 13		n.a.
T 28	0n18	19 6	4 33	9 43	3 0	1 29	1 12	23 50	1 6	21 11	0 2	7 55	2 37	17 40	0 8	17 4	1 38	16 4	17 26	8 7	8 34	15 10		n.a.
F 29	0 42	13 1	3 43	9 43	2 56	0 58	1 10	23 46	1 8	21 13	0 2	7 54	2 37	17 41	0 8	17 4	1 38	16 5	17 26	8 6	8 33	15 7		n.a.
S 30	1 5	6 9	2 37	9 40	2 50	0 27	1 9	23 42	1 9	21 15	0 2	7 52	2 37	17 42	0 8	17 4	1 38	16 5	17 26	8 5	8 32	15 4		n.a.
S 31	1n29	1n 3	1s21	9n33	2n44	0n 4	1s 8	23s37	1s11	21n17	0s 2	7s51	2n37	17n42	0s 8	17s 3	1n38	16n 6	17n26	8n 5	8n30	15n 1		n.a.

Julian Day Number = 1542509.5, Delta T = 04h36m39s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'16, Lahiri = -10°43'16 Julian Calendar 1 March 490 BCE == Greg. Calendar 24 Feb. 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

APRIL 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 11 47	4♈38'10	20♈25	17°R35	3♈57	19♉16	4♊34	26°R15	19♋31	22°R29	29°R31	20°D25	21♈29	1♍ 0	n.a.	M 1
T 2	12 15 44	5°36'10	4♉52	17♈24	5°11	19°58	4°43	26♎11	19°34	22♏28	29♍29	20♈25	21°26	1° 7	n.a.	T 2
W 3	12 19 41	6°34'08	18°55	17° 8	6°25	20°41	4°53	26° 7	19°36	22°28	29°27	20°26	21°23	1°14	n.a.	W 3
T 4	12 23 37	7°32'05	2♊31	16°47	7°39	21°24	5° 3	26° 3	19°39	22°27	29°26	20°27	21°20	1°20	n.a.	T 4
F 5	12 27 34	8°29'59	15°42	16°23	8°53	22° 7	5°13	25°59	19°42	22°25	29°24	20°28	21°17	1°27	n.a.	F 5
S 6	12 31 30	9°27'52	28°30	15°55	10° 7	22°49	5°23	25°54	19°45	22°24	29°22	20°29	21°13	1°34	n.a.	S 6
S 7	12 35 27	10°25'42	10♋58	15°25	11°20	23°32	5°33	25°50	19°48	22°23	29°21	20°R29	21°10	1°40	n.a.	S 7
M 8	12 39 23	11°23'31	23°10	14°52	12°34	24°14	5°43	25°46	19°51	22°22	29°19	20°29	21° 7	1°47	n.a.	M 8
T 9	12 43 20	12°21'18	5♌10	14°17	13°48	24°57	5°53	25°42	19°54	22°21	29°17	20°28	21° 4	1°54	n.a.	T 9
W10	12 47 16	13°19'03	17° 4	13°41	15° 2	25°39	6° 4	25°38	19°57	22°20	29°16	20°28	21° 1	2° 1	n.a.	W10
T 11	12 51 13	14°16'47	28°54	13° 5	16°16	26°22	6°14	25°33	20° 0	22°19	29°14	20°27	20°58	2° 7	n.a.	T 11
F 12	12 55 10	15°14'28	10♍45	12°29	17°29	27° 4	6°25	25°29	20° 3	22°18	29°12	20°26	20°54	2°14	n.a.	F 12
S 13	12 59 6	16°12'08	22°40	11°54	18°43	27°47	6°36	25°25	20° 6	22°16	29°11	20°25	20°51	2°21	n.a.	S 13
S 14	13 3 3	17° 9'47	4♎41	11°20	19°57	28°29	6°46	25°20	20° 9	22°15	29° 9	20°25	20°48	2°27	n.a.	S 14
M15	13 6 59	18° 7'24	16°50	10°48	21°11	29°11	6°57	25°16	20°12	22°14	29° 8	20°D25	20°45	2°34	n.a.	M15
T 16	13 10 56	19° 4'59	29° 9	10°19	22°24	29°53	7° 8	25°12	20°15	22°13	29° 6	20°25	20°42	2°41	n.a.	T 16
W17	13 14 52	20° 2'34	11♏40	9°53	23°38	0♒36	7°19	25° 7	20°19	22°11	29° 5	20°R25	20°38	2°47	n.a.	W17
T 18	13 18 49	21° 0'07	24°24	9°29	24°52	1°18	7°30	25° 3	20°22	22°10	29° 3	20°25	20°35	2°54	n.a.	T 18
F 19	13 22 45	21°57'39	7♐22	9°10	26° 6	2° 0	7°41	24°58	20°25	22° 9	29° 1	20°25	20°32	3° 1	n.a.	F 19
S 20	13 26 42	22°55'10	20°34	8°54	27°19	2°42	7°52	24°54	20°28	22° 7	29° 0	20°25	20°29	3° 7	n.a.	S 20
S 21	13 30 39	23°52'40	4♑ 2	8°43	28°33	3°24	8° 4	24°50	20°31	22° 6	28°58	20°24	20°26	3°14	n.a.	S 21
M22	13 34 35	24°50'09	17°45	8°36	29°47	4° 6	8°15	24°45	20°35	22° 5	28°57	20°24	20°23	3°21	n.a.	M22
T 23	13 38 32	25°47'37	1♒45	8°D33	1♉ 0	4°48	8°27	24°41	20°38	22° 3	28°56	20°D24	20°19	3°27	n.a.	T 23
W24	13 42 28	26°45'04	15°59	8°35	2°14	5°29	8°38	24°36	20°41	22° 2	28°54	20°24	20°16	3°34	n.a.	W24
T 25	13 46 25	27°42'31	0♓25	8°42	3°28	6°11	8°50	24°32	20°45	22° 0	28°53	20°25	20°13	3°41	n.a.	T 25
F 26	13 50 21	28°39'56	15° 0	8°53	4°42	6°53	9° 1	24°28	20°48	21°59	28°51	20°26	20°10	3°48	n.a.	F 26
S 27	13 54 18	29°37'21	29°39	9° 8	5°55	7°34	9°13	24°23	20°51	21°58	28°50	20°26	20° 7	3°54	n.a.	S 27
S 28	13 58 14	0♉34'44	14♈16	9°28	7° 9	8°16	9°25	24°19	20°55	21°56	28°48	20°R27	20° 4	4° 1	n.a.	S 28
M29	14 2 11	1°32'07	28°46	9°52	8°23	8°57	9°37	24°14	20°58	21°55	28°47	20°27	20° 0	4° 8	n.a.	M29
T 30	14 6 8	2♉29'29	13♉ 1	10♈21	9♉36	9♒39	9♊48	24♎10	21♉ 2	21♏53	28♍46	20♈26	19♈57	4♍14	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1n52	8n 5	0n 0	9n23	2n36	0n35	1s 6	23s32	1s12	21n18	0s 2	7s49	2n37	17n43	0s 8	17s 3	1n38	16n 7	17n26	8n 5	8n29	14n58		n.a.
T 2	2 15	14 33	1 19	9 10	2 27	1 6	1 5	23 27	1 13	21 20	0 1	7 48	2 37	17 44	0 8	17 3	1 39	16 7	17 26	8 5	8 28	14 55		n.a.
W 3	2 38	20 6	2 31	8 54	2 16	1 37	1 3	23 22	1 15	21 22	0 1	7 46	2 37	17 45	0 8	17 3	1 39	16 8	17 26	8 5	8 27	14 52		n.a.
T 4	3 2	24 24	3 32	8 36	2 5	2 8	1 1	23 17	1 16	21 24	0 1	7 45	2 38	17 45	0 8	17 2	1 39	16 8	17 26	8 6	8 26	14 49		n.a.
F 5	3 25	27 17	4 20	8 15	1 52	2 39	1 0	23 11	1 18	21 26	0 1	7 43	2 38	17 46	0 8	17 2	1 39	16 9	17 26	8 6	8 24	14 46		n.a.
S 6	3 48	28 39	4 54	7 51	1 38	3 10	0 58	23 6	1 19	21 28	0 1	7 42	2 38	17 47	0 8	17 2	1 39	16 10	17 26	8 6	8 23	14 43		n.a.
S 7	4 11	28 29	5 12	7 26	1 24	3 41	0 56	23 0	1 20	21 30	0 1	7 40	2 38	17 48	0 8	17 1	1 39	16 10	17 25	8 6	8 22	14 40		n.a.
M 8	4 34	26 56	5 16	6 59	1 9	4 12	0 55	22 54	1 22	21 32	0 1	7 38	2 38	17 49	0 8	17 1	1 39	16 11	17 25	8 6	8 21	14 37		n.a.
T 9	4 57	24 10	5 6	6 31	0 53	4 42	0 53	22 47	1 23	21 34	0 1	7 37	2 38	17 49	0 8	17 1	1 39	16 11	17 25	8 6	8 20	14 34		n.a.
W10	5 19	20 25	4 43	6 1	0 36	5 13	0 51	22 41	1 25	21 36	0 1	7 35	2 38	17 50	0 8	17 0	1 39	16 12	17 25	8 6	8 18	14 31		n.a.
T 11	5 42	15 53	4 8	5 32	0 19	5 44	0 49	22 34	1 26	21 38	0 0	7 34	2 38	17 51	0 8	17 0	1 39	16 12	17 25	8 5	8 17	14 28		n.a.
F 12	6 5	10 45	3 23	5 2	0 2	6 14	0 47	22 27	1 28	21 40	0 0	7 32	2 38	17 52	0 8	17 0	1 39	16 13	17 25	8 5	8 16	14 25		n.a.
S 13	6 27	5 12	2 28	4 32	0s15	6 44	0 45	22 20	1 29	21 42	0 0	7 31	2 38	17 53	0 8	16 59	1 39	16 13	17 24	8 5	8 15	14 22		n.a.
S 14	6 50	0s34	1 26	4 3	0 32	7 14	0 43	22 13	1 31	21 44	0 0	7 29	2 38	17 54	0 8	16 59	1 39	16 14	17 24	8 5	8 13	14 19		n.a.
M15	7 12	6 24	0 20	3 35	0 49	7 44	0 41	22 6	1 32	21 46	0 0	7 27	2 38	17 55	0 8	16 59	1 39	16 14	17 24	8 5	8 12	14 16		n.a.
T 16	7 34	12 4	0s48	3 9	1 5	8 14	0 39	21 58	1 34	21 47	0n 0	7 26	2 38	17 55	0 8	16 58	1 39	16 14	17 24	8 5	8 11	14 13		n.a.
W17	7 56	17 22	1 55	2 44	1 21	8 44	0 37	21 50	1 35	21 49	0 0	7 24	2 38	17 56	0 8	16 58	1 39	16 15	17 24	8 5	8 10	14 10		n.a.
T 18	8 18	21 59	2 58	2 21	1 36	9 13	0 35	21 42	1 37	21 51	0 0	7 23	2 38	17 57	0 8	16 58	1 39	16 15	17 23	8 5	8 9	14 7		n.a.
F 19	8 40	25 38	3 52	2 0	1 50	9 42	0 32	21 34	1 38	21 53	0 0	7 21	2 38	17 58	0 8	16 57	1 39	16 16	17 23	8 5	8 7	14 4		n.a.
S 20	9 2	27 59	4 35	1 42	2 3	10 11	0 30	21 26	1 40	21 55	0 1	7 19	2 38	17 59	0 8	16 57	1 39	16 16	17 23	8 5	8 6	14 1		n.a.
S 21	9 23	28 46	5 4	1 26	2 16	10 40	0 28	21 17	1 41	21 57	0 1	7 18	2 38	18 0	0 8	16 57	1 39	16 16	17 23	8 5	8 5	13 58		n.a.
M22	9 44	27 47	5 17	1 12	2 27	11 8	0 26	21 9	1 43	21 59	0 1	7 16	2 38	18 1	0 8	16 56	1 39	16 17	17 22	8 4	8 4	13 55		n.a.
T 23	10 6	25 5	5 11	1 1	2 38	11 37	0 23	21 0	1 44	22 1	0 1	7 14	2 38	18 2	0 7	16 56	1 39	16 17	17 22	8 4	8 3	13 52		n.a.
W24	10 27	20 48	4 46	0 53	2 47	12 5	0 21	20 51	1 46	22 3	0 1	7 13	2 38	18 2	0 7	16 55	1 39	16 17	17 22	8 5	8 1	13 49		n.a.
T 25	10 48	15 15	4 3	0 48	2 56	12 32	0 19	20 42	1 47	22 5	0 1	7 11	2 38	18 3	0 7	16 55	1 39	16 18	17 21	8 5	8 0	13 46		n.a.
F 26	11 9	8 48	3 4	0 46	3 4	13 0	0 17	20 33	1 49	22 7	0 1	7 10	2 38	18 4	0 7	16 55	1 39	16 18	17 21	8 5	7 59	13 43		n.a.
S 27	11 29	1 52	1 53	0 46	3 10	13 27	0 14	20 24	1 50	22 9	0 1	7 8	2 38	18 5	0 7	16 54	1 39	16 18	17 21	8 5	7 58	13 40		n.a.
S 28	11 50	5n11	0 34	0 49	3 15	13 54	0 12	20 14	1 52	22 11	0 1	7 7	2 37	18 6	0 7	16 54	1 39	16 18	17 20	8 5	7 57	13 37		n.a.
M29	12 10	11 53	0n46	0 54	3 20	14 20	0 10	20 5	1 53	22 13	0 1	7 5	2 37	18 7	0 7	16 53	1 39	16 19	17 20	8 5	7 55	13 34		n.a.
T 30	12n30	17n53	2n 2	1n 2	3s24	14n46	0s 7	19s55	1s55	22n15	0n 2	7s 3	2n37	18n 8	0s 7	16s53	1n39	16n19	17n20	8n 5	7n54	13n31		n.a.

Julian Day Number = 1542540.5, Delta T = 04h36m38s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'12, Lahiri = -10°43'12 Julian Calendar 1 Apr. 490 BCE == Greg. Calendar 27 March 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

MAY 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 10 4	3♉26'50	26♉58	10♈53	10♉50	10♒20	10♊ 0	24°R 6	21♉ 5	21°R52	28°R44	20°R25	19♈54	4♍21	n.a.	W 1
T 2	14 14 1	4°24'09	10♊34	11°30	12° 4	11° 1	10°12	24♎ 1	21° 8	21♏50	28♍43	20♈23	19°51	4°28	n.a.	T 2
F 3	14 17 57	5°21'28	23°47	12°11	13°17	11°42	10°24	23°57	21°12	21°49	28°42	20°21	19°48	4°34	n.a.	F 3
S 4	14 21 54	6°18'46	6♋37	12°55	14°31	12°23	10°37	23°53	21°15	21°47	28°41	20°19	19°44	4°41	n.a.	S 4
S 5	14 25 50	7°16'03	19° 8	13°44	15°44	13° 4	10°49	23°48	21°19	21°45	28°39	20°18	19°41	4°48	n.a.	S 5
M 6	14 29 47	8°13'18	1♌22	14°36	16°58	13°45	11° 1	23°44	21°22	21°44	28°38	20°17	19°38	4°54	n.a.	M 6
T 7	14 33 43	9°10'33	13°23	15°32	18°12	14°26	11°13	23°40	21°26	21°42	28°37	20°D17	19°35	5° 1	n.a.	T 7
W 8	14 37 40	10° 7'46	25°17	16°31	19°25	15° 7	11°26	23°36	21°29	21°41	28°36	20°17	19°32	5° 8	n.a.	W 8
T 9	14 41 37	11° 4'58	7♍ 8	17°34	20°39	15°47	11°38	23°32	21°33	21°39	28°35	20°19	19°29	5°14	n.a.	T 9
F 10	14 45 33	12° 2'10	19° 0	18°40	21°52	16°28	11°50	23°28	21°36	21°38	28°34	20°20	19°25	5°21	n.a.	F 10
S 11	14 49 30	12°59'20	0♎58	19°49	23° 6	17° 8	12° 3	23°24	21°40	21°36	28°32	20°22	19°22	5°28	n.a.	S 11
S 12	14 53 26	13°56'30	13° 6	21° 2	24°20	17°48	12°15	23°20	21°43	21°34	28°31	20°23	19°19	5°35	n.a.	S 12
M13	14 57 23	14°53'39	25°25	22°18	25°33	18°28	12°28	23°16	21°47	21°33	28°30	20°R23	19°16	5°41	n.a.	M13
T 14	15 1 19	15°50'48	8♏ 0	23°37	26°47	19° 9	12°41	23°12	21°51	21°31	28°29	20°22	19°13	5°48	n.a.	T 14
W15	15 5 16	16°47'56	20°50	25° 0	28° 0	19°48	12°53	23° 8	21°54	21°30	28°28	20°20	19°10	5°55	n.a.	W15
T 16	15 9 12	17°45'04	3♐56	26°25	29°14	20°28	13° 6	23° 4	21°58	21°28	28°27	20°16	19° 6	6° 1	n.a.	T 16
F 17	15 13 9	18°42'11	17°17	27°54	0♊27	21° 8	13°19	23° 0	22° 1	21°26	28°27	20°12	19° 3	6° 8	n.a.	F 17
S 18	15 17 6	19°39'18	0♑51	29°25	1°41	21°48	13°31	22°57	22° 5	21°25	28°26	20° 8	19° 0	6°15	n.a.	S 18
S 19	15 21 2	20°36'25	14°38	1♑ 0	2°54	22°27	13°44	22°53	22° 8	21°23	28°25	20° 4	18°57	6°21	n.a.	S 19
M20	15 24 59	21°33'31	28°34	2°38	4° 8	23° 7	13°57	22°49	22°12	21°22	28°24	20° 1	18°54	6°28	n.a.	M20
T 21	15 28 55	22°30'38	12♒38	4°19	5°21	23°46	14°10	22°46	22°15	21°20	28°23	19°59	18°50	6°35	n.a.	T 21
W22	15 32 52	23°27'45	26°47	6° 2	6°35	24°25	14°23	22°42	22°19	21°18	28°22	19°D59	18°47	6°41	n.a.	W22
T 23	15 36 48	24°24'51	11♓ 1	7°49	7°48	25° 4	14°36	22°39	22°23	21°17	28°22	20° 0	18°44	6°48	n.a.	T 23
F 24	15 40 45	25°21'58	25°16	9°38	9° 2	25°43	14°49	22°35	22°26	21°15	28°21	20° 1	18°41	6°55	n.a.	F 24
S 25	15 44 42	26°19'05	9♈30	11°30	10°15	26°21	15° 2	22°32	22°30	21°13	28°20	20° 2	18°38	7° 1	n.a.	S 25
S 26	15 48 38	27°16'12	23°41	13°25	11°29	27° 0	15°15	22°29	22°33	21°12	28°20	20°R 2	18°35	7° 8	n.a.	S 26
M27	15 52 35	28°13'19	7♉45	15°22	12°42	27°38	15°28	22°26	22°37	21°10	28°19	20° 1	18°31	7°15	n.a.	M27
T 28	15 56 31	29°10'26	21°40	17°21	13°56	28°16	15°41	22°23	22°40	21° 9	28°18	19°58	18°28	7°21	n.a.	T 28
W29	16 0 28	0♊ 7'33	5♊20	19°23	15° 9	28°54	15°54	22°20	22°44	21° 7	28°18	19°53	18°25	7°28	n.a.	W29
T 30	16 4 24	1° 4'40	18°44	21°27	16°23	29°32	16° 7	22°17	22°48	21° 5	28°17	19°47	18°22	7°35	n.a.	T 30
F 31	16 8 21	2♊ 1'47	1♋50	23♉32	17♊36	0♓10	16♊20	22♎14	22♉51	21♏ 4	28♍17	19♈40	18♈19	7♍41	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12n50	22n48	3n 9	1n13	3s26	15n12	0s 5	19s45	1s56	22n16	0n 2	7s 2	2n37	18n 9	0s 7	16s53	1n39	16n19	17n19	8n 5	7n53	13n28		n.a.
T 2	13 9	26 20	4 3	1 26	3 28	15 37	0 2	19 35	1 58	22 18	0 2	7 0	2 37	18 10	0 7	16 52	1 39	16 19	17 19	8 4	7 52	13 24		n.a.
F 3	13 29	28 19	4 43	1 41	3 29	16 2	0n 0	19 25	1 59	22 20	0 2	6 59	2 37	18 11	0 7	16 52	1 39	16 20	17 19	8 3	7 50	13 21		n.a.
S 4	13 48	28 42	5 7	1 58	3 29	16 27	0 2	19 15	2 1	22 22	0 2	6 57	2 37	18 12	0 7	16 51	1 39	16 20	17 18	8 3	7 49	13 18		n.a.
S 5	14 7	27 35	5 16	2 18	3 28	16 51	0 5	19 4	2 3	22 24	0 2	6 56	2 37	18 13	0 7	16 51	1 39	16 20	17 18	8 2	7 48	13 15		n.a.
M 6	14 26	25 9	5 10	2 40	3 26	17 15	0 7	18 54	2 4	22 26	0 2	6 54	2 37	18 14	0 7	16 51	1 39	16 20	17 17	8 2	7 47	13 12		n.a.
T 7	14 45	21 39	4 50	3 4	3 23	17 38	0 10	18 43	2 6	22 28	0 2	6 53	2 37	18 14	0 7	16 50	1 39	16 20	17 17	8 2	7 46	13 9		n.a.
W 8	15 3	17 19	4 19	3 30	3 20	18 1	0 12	18 32	2 7	22 29	0 2	6 52	2 37	18 15	0 7	16 50	1 39	16 20	17 17	8 2	7 44	13 6		n.a.
T 9	15 21	12 21	3 36	3 58	3 16	18 23	0 14	18 22	2 9	22 31	0 3	6 50	2 36	18 16	0 7	16 49	1 39	16 20	17 16	8 2	7 43	13 3		n.a.
F 10	15 39	6 55	2 44	4 28	3 11	18 45	0 17	18 11	2 10	22 33	0 3	6 49	2 36	18 17	0 7	16 49	1 39	16 20	17 16	8 3	7 42	13 0		n.a.
S 11	15 57	1 13	1 45	4 59	3 6	19 6	0 19	18 0	2 12	22 35	0 3	6 47	2 36	18 18	0 7	16 48	1 39	16 20	17 15	8 4	7 41	12 57		n.a.
S 12	16 14	4s37	0 40	5 32	3 0	19 27	0 22	17 49	2 14	22 37	0 3	6 46	2 36	18 19	0 7	16 48	1 39	16 20	17 15	8 4	7 40	12 54		n.a.
M13	16 31	10 23	0s28	6 7	2 54	19 47	0 24	17 38	2 15	22 38	0 3	6 45	2 36	18 20	0 7	16 48	1 39	16 20	17 14	8 4	7 38	12 50		n.a.
T 14	16 48	15 52	1 35	6 43	2 46	20 7	0 26	17 26	2 17	22 40	0 3	6 43	2 36	18 21	0 7	16 47	1 39	16 20	17 14	8 4	7 37	12 47		n.a.
W15	17 5	20 45	2 39	7 21	2 39	20 27	0 29	17 15	2 18	22 42	0 3	6 42	2 36	18 22	0 7	16 47	1 39	16 20	17 14	8 3	7 36	12 44		n.a.
T 16	17 21	24 45	3 36	8 0	2 30	20 45	0 31	17 4	2 20	22 44	0 3	6 41	2 36	18 23	0 7	16 46	1 39	16 20	17 13	8 1	7 35	12 41		n.a.
F 17	17 37	27 30	4 23	8 40	2 22	21 4	0 33	16 52	2 21	22 45	0 3	6 39	2 35	18 24	0 7	16 46	1 39	16 20	17 13	8 0	7 33	12 38		n.a.
S 18	17 53	28 40	4 55	9 21	2 12	21 21	0 36	16 41	2 23	22 47	0 3	6 38	2 35	18 25	0 7	16 46	1 39	16 20	17 12	7 58	7 32	12 35		n.a.
S 19	18 8	28 5	5 11	10 4	2 3	21 38	0 38	16 29	2 25	22 49	0 4	6 37	2 35	18 26	0 7	16 45	1 39	16 20	17 12	7 57	7 31	12 32		n.a.
M20	18 24	25 45	5 9	10 47	1 53	21 55	0 40	16 17	2 26	22 50	0 4	6 36	2 35	18 27	0 7	16 45	1 39	16 20	17 11	7 55	7 30	12 29		n.a.
T 21	18 39	21 50	4 48	11 31	1 42	22 10	0 42	16 6	2 28	22 52	0 4	6 35	2 35	18 28	0 7	16 44	1 39	16 20	17 11	7 55	7 29	12 26		n.a.
W22	18 53	16 39	4 10	12 16	1 32	22 26	0 45	15 54	2 29	22 54	0 4	6 33	2 35	18 29	0 7	16 44	1 39	16 20	17 10	7 55	7 27	12 22		n.a.
T 23	19 7	10 34	3 17	13 2	1 21	22 40	0 47	15 42	2 31	22 55	0 4	6 32	2 34	18 30	0 7	16 43	1 39	16 19	17 10	7 55	7 26	12 19		n.a.
F 24	19 21	3 54	2 11	13 48	1 9	22 54	0 49	15 30	2 33	22 57	0 4	6 31	2 34	18 30	0 7	16 43	1 39	16 19	17 9	7 56	7 25	12 16		n.a.
S 25	19 35	2n56	0 57	14 34	0 58	23 7	0 51	15 18	2 34	22 58	0 4	6 30	2 34	18 31	0 7	16 43	1 39	16 19	17 9	7 56	7 24	12 13		n.a.
S 26	19 49	9 37	0n20	15 20	0 47	23 20	0 53	15 6	2 36	23 0	0 4	6 29	2 34	18 32	0 7	16 42	1 39	16 19	17 8	7 56	7 22	12 10		n.a.
M27	20 2	15 46	1 35	16 6	0 35	23 32	0 55	14 55	2 37	23 1	0 4	6 28	2 34	18 33	0 7	16 42	1 39	16 19	17 8	7 56	7 21	12 7		n.a.
T 28	20 14	21 3	2 43	16 52	0 24	23 43	0 57	14 43	2 39	23 3	0 4	6 27	2 33	18 34	0 7	16 41	1 39	16 18	17 7	7 54	7 20	12 4		n.a.
W29	20 27	25 6	3 41	17 37	0 12	23 54	0 59	14 31	2 40	23 4	0 5	6 26	2 33	18 35	0 7	16 41	1 39	16 18	17 7	7 53	7 19	12 0		n.a.
T 30	20 39	27 40	4 25	18 21	0 1	24 4	1 1	14 18	2 42	23 6	0 5	6 25	2 33	18 36	0 7	16 41	1 39	16 18	17 6	7 50	7 18	11 57		n.a.
F 31	20n51	28n39	4n54	19n 4	0n10	24n13	1n 3	14s 6	2s44	23n 7	0n 5	6s24	2n33	18n37	0s 7	16s40	1n39	16n18	17n 5	7n48	7n16	11n54		n.a.

Julian Day Number = 1542570.5, Delta T = 04h36m36s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'08, Lahiri = -10°43'07 Julian Calendar 1 May 490 BCE == Greg. Calendar 26 Apr. 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

JUNE 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 12 17	2♊58'54	14♋37	25♉39	18♊50	0♓47	16♊34	22°R11	22♉55	21°R 2	28°R16	19°R33	18♈16	7♍48	n.a.	S 1
S 2	16 16 14	3°56'01	27° 6	27°47	20° 3	1°25	16°47	22♎ 8	22°58	21♏ 1	28♍16	19♈27	18°12	7°55	n.a.	S 2
M 3	16 20 11	4°53'08	9♌20	29°55	21°17	2° 2	17° 0	22° 5	23° 2	20°59	28°15	19°22	18° 9	8° 2	n.a.	M 3
T 4	16 24 7	5°50'15	21°21	2♊ 5	22°30	2°39	17°13	22° 3	23° 5	20°58	28°15	19°19	18° 6	8° 8	n.a.	T 4
W 5	16 28 4	6°47'21	3♍15	4°15	23°43	3°16	17°26	22° 0	23° 9	20°56	28°15	19°D18	18° 3	8°15	n.a.	W 5
T 6	16 32 0	7°44'28	15° 5	6°24	24°57	3°52	17°40	21°58	23°12	20°55	28°14	19°18	18° 0	8°22	n.a.	T 6
F 7	16 35 57	8°41'34	26°58	8°34	26°10	4°29	17°53	21°56	23°16	20°53	28°14	19°19	17°56	8°28	n.a.	F 7
S 8	16 39 53	9°38'41	8♎57	10°43	27°24	5° 5	18° 6	21°53	23°19	20°51	28°14	19°20	17°53	8°35	n.a.	S 8
S 9	16 43 50	10°35'47	21° 9	12°51	28°37	5°41	18°20	21°51	23°23	20°50	28°14	19°R20	17°50	8°42	n.a.	S 9
M10	16 47 46	11°32'54	3♏37	14°59	29°50	6°16	18°33	21°49	23°26	20°48	28°13	19°19	17°47	8°48	n.a.	M10
T 11	16 51 43	12°30'01	16°23	17° 5	1♋ 4	6°52	18°46	21°47	23°29	20°47	28°13	19°16	17°44	8°55	n.a.	T 11
W12	16 55 40	13°27'09	29°31	19°10	2°17	7°27	18°59	21°45	23°33	20°46	28°13	19°11	17°41	9° 2	n.a.	W12
T 13	16 59 36	14°24'16	12♐58	21°14	3°31	8° 2	19°13	21°43	23°36	20°44	28°13	19° 4	17°37	9° 8	n.a.	T 13
F 14	17 3 33	15°21'25	26°45	23°16	4°44	8°37	19°26	21°41	23°40	20°43	28°13	18°55	17°34	9°15	n.a.	F 14
S 15	17 7 29	16°18'34	10♑46	25°17	5°57	9°12	19°40	21°40	23°43	20°41	28°D13	18°46	17°31	9°22	n.a.	S 15
S 16	17 11 26	17°15'44	24°58	27°16	7°11	9°46	19°53	21°38	23°46	20°40	28°13	18°38	17°28	9°28	n.a.	S 16
M17	17 15 22	18°12'54	9♒16	29°14	8°24	10°20	20° 6	21°37	23°50	20°38	28°13	18°31	17°25	9°35	n.a.	M17
T 18	17 19 19	19°10'05	23°34	1♋ 9	9°37	10°54	20°20	21°35	23°53	20°37	28°13	18°26	17°22	9°42	n.a.	T 18
W19	17 23 16	20° 7'17	7♓50	3° 4	10°51	11°28	20°33	21°34	23°56	20°36	28°13	18°24	17°18	9°48	n.a.	W19
T 20	17 27 12	21° 4'30	22° 0	4°56	12° 4	12° 1	20°46	21°33	24° 0	20°34	28°14	18°D23	17°15	9°55	n.a.	T 20
F 21	17 31 9	22° 1'45	6♈ 4	6°46	13°17	12°34	21° 0	21°32	24° 3	20°33	28°14	18°23	17°12	10° 2	n.a.	F 21
S 22	17 35 5	22°59'00	20° 0	8°35	14°30	13° 7	21°13	21°31	24° 6	20°32	28°14	18°R24	17° 9	10° 8	n.a.	S 22
S 23	17 39 2	23°56'16	3♉49	10°22	15°44	13°40	21°26	21°30	24° 9	20°30	28°14	18°23	17° 6	10°15	n.a.	S 23
M24	17 42 58	24°53'33	17°28	12° 8	16°57	14°12	21°40	21°29	24°12	20°29	28°15	18°20	17° 2	10°22	n.a.	M24
T 25	17 46 55	25°50'52	0♊58	13°51	18°10	14°44	21°53	21°28	24°16	20°28	28°15	18°14	16°59	10°28	n.a.	T 25
W26	17 50 51	26°48'11	14°17	15°33	19°24	15°15	22° 6	21°27	24°19	20°27	28°15	18° 6	16°56	10°35	n.a.	W26
T 27	17 54 48	27°45'32	27°22	17°14	20°37	15°47	22°20	21°27	24°22	20°25	28°16	17°55	16°53	10°42	n.a.	T 27
F 28	17 58 45	28°42'53	10♋14	18°52	21°50	16°17	22°33	21°26	24°25	20°24	28°16	17°43	16°50	10°48	n.a.	F 28
S 29	18 2 41	29°40'16	22°51	20°29	23° 3	16°48	22°46	21°26	24°28	20°23	28°17	17°31	16°47	10°55	n.a.	S 29
S 30	18 6 38	0♋37'39	5♌13	22♋ 4	24♋16	17♓18	23♊ 0	21♎26	24♉31	20♏22	28♍17	17♈20	16♈43	11♍ 2	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 2	28n 2	5n 8	19n45	0n20	24n21	1n 5	13s54	2s45	23n 9	0n 5	6s23	2n33	18n38	0s 7	16s40	1n39	16n17	17n 5	7n45	7n15	11n51		n.a.
S 2	21 13	26 1	5 6	20 26	0 31	24 29	1 7	13 42	2 47	23 10	0 5	6 23	2 32	18 39	0 7	16 39	1 39	16 17	17 4	7 42	7 14	11 48		n.a.
M 3	21 24	22 49	4 50	21 4	0 41	24 36	1 8	13 30	2 48	23 12	0 5	6 22	2 32	18 40	0 7	16 39	1 39	16 17	17 4	7 41	7 13	11 45		n.a.
T 4	21 34	18 42	4 22	21 40	0 50	24 43	1 10	13 18	2 50	23 13	0 5	6 21	2 32	18 41	0 7	16 39	1 39	16 16	17 3	7 39	7 11	11 41		n.a.
W 5	21 44	13 54	3 43	22 14	0 59	24 48	1 12	13 6	2 52	23 15	0 5	6 20	2 32	18 41	0 7	16 38	1 39	16 16	17 3	7 39	7 10	11 38		n.a.
T 6	21 53	8 37	2 54	22 46	1 7	24 53	1 13	12 54	2 53	23 16	0 5	6 20	2 32	18 42	0 7	16 38	1 39	16 16	17 2	7 39	7 9	11 35		n.a.
F 7	22 3	3 1	1 58	23 15	1 15	24 57	1 15	12 42	2 55	23 17	0 5	6 19	2 31	18 43	0 7	16 37	1 39	16 15	17 2	7 39	7 8	11 32		n.a.
S 8	22 11	2s45	0 56	23 42	1 22	25 0	1 17	12 30	2 56	23 19	0 6	6 18	2 31	18 44	0 7	16 37	1 39	16 15	17 1	7 40	7 6	11 29		n.a.
S 9	22 20	8 31	0s10	24 6	1 28	25 3	1 18	12 18	2 58	23 20	0 6	6 18	2 31	18 45	0 7	16 37	1 39	16 14	17 0	7 40	7 5	11 26		n.a.
M10	22 28	14 4	1 16	24 27	1 33	25 5	1 20	12 6	3 0	23 21	0 6	6 17	2 31	18 46	0 7	16 36	1 39	16 14	17 0	7 40	7 4	11 22		n.a.
T 11	22 36	19 11	2 20	24 45	1 38	25 6	1 21	11 54	3 1	23 22	0 6	6 17	2 30	18 47	0 7	16 36	1 39	16 13	16 59	7 38	7 3	11 19		n.a.
W12	22 43	23 32	3 18	25 1	1 42	25 6	1 22	11 42	3 3	23 24	0 6	6 16	2 30	18 48	0 7	16 36	1 39	16 13	16 59	7 36	7 2	11 16		n.a.
T 13	22 50	26 44	4 7	25 13	1 46	25 6	1 23	11 30	3 4	23 25	0 6	6 16	2 30	18 48	0 7	16 35	1 39	16 12	16 58	7 34	7 0	11 13		n.a.
F 14	22 56	28 25	4 42	25 23	1 49	25 5	1 25	11 18	3 6	23 26	0 6	6 15	2 30	18 49	0 7	16 35	1 39	16 12	16 57	7 30	6 59	11 10		n.a.
S 15	23 3	28 19	5 2	25 31	1 51	25 3	1 26	11 7	3 7	23 27	0 6	6 15	2 29	18 50	0 7	16 35	1 39	16 11	16 57	7 27	6 58	11 6		n.a.
S 16	23 8	26 23	5 3	25 36	1 52	25 0	1 27	10 55	3 9	23 28	0 6	6 14	2 29	18 51	0 7	16 34	1 39	16 11	16 56	7 24	6 57	11 3		n.a.
M17	23 14	22 45	4 45	25 38	1 53	24 57	1 28	10 43	3 11	23 29	0 6	6 14	2 29	18 52	0 7	16 34	1 39	16 10	16 56	7 21	6 55	11 0		n.a.
T 18	23 18	17 46	4 10	25 38	1 53	24 53	1 29	10 32	3 12	23 30	0 7	6 14	2 29	18 53	0 7	16 34	1 39	16 10	16 55	7 19	6 54	10 57		n.a.
W19	23 23	11 49	3 19	25 35	1 52	24 48	1 30	10 20	3 14	23 32	0 7	6 14	2 28	18 54	0 7	16 33	1 39	16 9	16 55	7 18	6 53	10 54		n.a.
T 20	23 27	5 17	2 16	25 31	1 51	24 42	1 31	10 8	3 15	23 33	0 7	6 13	2 28	18 54	0 7	16 33	1 39	16 8	16 54	7 18	6 52	10 50		n.a.
F 21	23 31	1n27	1 5	25 24	1 49	24 36	1 31	9 57	3 17	23 34	0 7	6 13	2 28	18 55	0 7	16 33	1 38	16 8	16 53	7 18	6 50	10 47		n.a.
S 22	23 34	8 3	0n 9	25 15	1 47	24 29	1 32	9 46	3 18	23 35	0 7	6 13	2 28	18 56	0 7	16 32	1 38	16 7	16 53	7 18	6 49	10 44		n.a.
S 23	23 37	14 13	1 21	25 5	1 44	24 21	1 33	9 34	3 20	23 36	0 7	6 13	2 27	18 57	0 7	16 32	1 38	16 7	16 52	7 18	6 48	10 41		n.a.
M24	23 39	19 38	2 28	24 52	1 41	24 12	1 33	9 23	3 21	23 37	0 7	6 13	2 27	18 58	0 7	16 32	1 38	16 6	16 52	7 17	6 47	10 37		n.a.
T 25	23 41	23 59	3 26	24 38	1 37	24 3	1 34	9 12	3 23	23 38	0 7	6 13	2 27	18 58	0 7	16 31	1 38	16 5	16 51	7 14	6 46	10 34		n.a.
W26	23 43	26 58	4 11	24 22	1 33	23 53	1 34	9 1	3 24	23 38	0 7	6 13	2 27	18 59	0 7	16 31	1 38	16 5	16 50	7 11	6 44	10 31		n.a.
T 27	23 44	28 26	4 43	24 5	1 28	23 43	1 35	8 50	3 26	23 39	0 8	6 13	2 26	19 0	0 7	16 31	1 38	16 4	16 50	7 7	6 43	10 28		n.a.
F 28	23 45	28 19	4 59	23 46	1 23	23 31	1 35	8 39	3 28	23 40	0 8	6 13	2 26	19 1	0 7	16 31	1 38	16 3	16 49	7 3	6 42	10 24		n.a.
S 29	23 45	26 43	5 0	23 26	1 17	23 19	1 35	8 29	3 29	23 41	0 8	6 13	2 26	19 2	0 7	16 30	1 38	16 2	16 49	6 58	6 41	10 21		n.a.
S 30	23n45	23n51	4n47	23n 5	1n11	23n 6	1n35	8s18	3s31	23n42	0n 8	6s13	2n26	19n 2	0s 7	16s30	1n38	16n 2	16n48	6n54	6n39	10n18		n.a.

Julian Day Number = 1542601.5, Delta T = 04h36m35s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'04, Lahiri = -10°43'03 Julian Calendar 1 June 490 BCE == Greg. Calendar 27 May 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

JULY 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 10 34	1♋35'03	17♌22	23♋37	25♋30	17♓48	23♊13	21°R26	24♉34	20°R21	28♍18	17°R11	16♈40	11♍ 8	n.a.	M 1
T 2	18 14 31	2°32'28	29°21	25° 9	26°43	18°18	23°26	21°D25	24°37	20♏20	28°18	17♈ 4	16°37	11°15	n.a.	T 2
W 3	18 18 27	3°29'54	11♍12	26°39	27°56	18°47	23°40	21♎25	24°40	20°19	28°19	17° 0	16°34	11°22	n.a.	W 3
T 4	18 22 24	4°27'20	23° 1	28° 7	29° 9	19°15	23°53	21°26	24°43	20°18	28°19	16°58	16°31	11°28	n.a.	T 4
F 5	18 26 21	5°24'48	4♎52	29°33	0♌22	19°44	24° 6	21°26	24°46	20°17	28°20	16°D57	16°28	11°35	n.a.	F 5
S 6	18 30 17	6°22'16	16°51	0♌58	1°35	20°12	24°19	21°26	24°49	20°16	28°21	16°R57	16°24	11°42	n.a.	S 6
S 7	18 34 14	7°19'46	29° 3	2°21	2°49	20°39	24°32	21°26	24°52	20°15	28°22	16°57	16°21	11°48	n.a.	S 7
M 8	18 38 10	8°17'16	11♏33	3°42	4° 2	21° 7	24°46	21°27	24°55	20°14	28°22	16°55	16°18	11°55	n.a.	M 8
T 9	18 42 7	9°14'48	24°26	5° 1	5°15	21°33	24°59	21°27	24°57	20°13	28°23	16°51	16°15	12° 2	n.a.	T 9
W10	18 46 3	10°12'20	7♐43	6°18	6°28	22° 0	25°12	21°28	25° 0	20°12	28°24	16°44	16°12	12° 8	n.a.	W10
T 11	18 50 0	11° 9'54	21°26	7°33	7°41	22°26	25°25	21°29	25° 3	20°11	28°25	16°35	16° 8	12°15	n.a.	T 11
F 12	18 53 56	12° 7'29	5♑33	8°46	8°54	22°51	25°38	21°30	25° 6	20°10	28°26	16°24	16° 5	12°22	n.a.	F 12
S 13	18 57 53	13° 5'06	19°59	9°57	10° 7	23°16	25°51	21°31	25° 8	20° 9	28°27	16°12	16° 2	12°28	n.a.	S 13
S 14	19 1 50	14° 2'44	4♒37	11° 5	11°20	23°41	26° 4	21°32	25°11	20° 8	28°28	16° 2	15°59	12°35	n.a.	S 14
M15	19 5 46	15° 0'23	19°20	12°12	12°33	24° 5	26°17	21°33	25°13	20° 8	28°29	15°52	15°56	12°42	n.a.	M15
T 16	19 9 43	15°58'04	4♓ 0	13°16	13°46	24°28	26°30	21°34	25°16	20° 7	28°30	15°46	15°53	12°49	n.a.	T 16
W17	19 13 39	16°55'47	18°31	14°17	14°59	24°51	26°43	21°36	25°18	20° 6	28°31	15°42	15°49	12°55	n.a.	W17
T 18	19 17 36	17°53'31	2♈50	15°16	16°12	25°14	26°56	21°37	25°21	20° 6	28°32	15°41	15°46	13° 2	n.a.	T 18
F 19	19 21 32	18°51'17	16°54	16°12	17°24	25°36	27° 9	21°39	25°23	20° 5	28°33	15°40	15°43	13° 9	n.a.	F 19
S 20	19 25 29	19°49'05	0♉43	17° 6	18°37	25°57	27°21	21°40	25°26	20° 4	28°34	15°40	15°40	13°15	n.a.	S 20
S 21	19 29 25	20°46'55	14°18	17°56	19°50	26°18	27°34	21°42	25°28	20° 4	28°35	15°39	15°37	13°22	n.a.	S 21
M22	19 33 22	21°44'47	27°39	18°42	21° 3	26°38	27°47	21°44	25°31	20° 3	28°37	15°35	15°34	13°29	n.a.	M22
T 23	19 37 19	22°42'41	10♊48	19°26	22°16	26°58	28° 0	21°46	25°33	20° 3	28°38	15°29	15°30	13°35	n.a.	T 23
W24	19 41 15	23°40'37	23°45	20° 6	23°29	27°17	28°12	21°48	25°35	20° 2	28°39	15°19	15°27	13°42	n.a.	W24
T 25	19 45 12	24°38'35	6♋31	20°42	24°41	27°36	28°25	21°50	25°37	20° 2	28°40	15° 8	15°24	13°49	n.a.	T 25
F 26	19 49 8	25°36'34	19° 5	21°13	25°54	27°54	28°37	21°52	25°40	20° 1	28°42	14°55	15°21	13°55	n.a.	F 26
S 27	19 53 5	26°34'35	1♌28	21°41	27° 7	28°11	28°50	21°54	25°42	20° 1	28°43	14°42	15°18	14° 2	n.a.	S 27
S 28	19 57 1	27°32'38	13°40	22° 3	28°20	28°28	29° 3	21°57	25°44	20° 0	28°45	14°29	15°14	14° 9	n.a.	S 28
M29	20 0 58	28°30'42	25°42	22°21	29°32	28°44	29°15	21°59	25°46	20° 0	28°46	14°19	15°11	14°15	n.a.	M29
T 30	20 4 54	29°28'48	7♍36	22°34	0♍45	28°59	29°27	22° 1	25°48	20° 0	28°47	14°11	15° 8	14°22	n.a.	T 30
W31	20 8 51	0♌26'56	19♍24	22♌41	1♍58	29♓14	29♊40	22♎ 4	25♉50	19♏59	28♍49	14♈ 6	15♈ 5	14♍29	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23n45	19n58	4n21	22n43	1n 4	22n53	1n35	8s 8	3s32	23n43	0n 8	6s13	2n25	19n 3	0s 7	16s30	1n38	16n 1	16n47	6n50	6n38	10n15			n.a.
T 2	23 44	15 21	3 44	22 20	0 58	22 39	1 35	7 57	3 34	23 44	0 8	6 13	2 25	19 4	0 7	16 29	1 38	16 0	16 47	6 47	6 37	10 12			n.a.
W 3	23 43	10 11	2 57	21 56	0 50	22 24	1 35	7 47	3 35	23 44	0 8	6 14	2 25	19 5	0 7	16 29	1 38	15 59	16 46	6 46	6 36	10 8			n.a.
T 4	23 41	4 42	2 3	21 31	0 43	22 9	1 35	7 37	3 37	23 45	0 8	6 14	2 25	19 5	0 7	16 29	1 38	15 59	16 46	6 45	6 34	10 5			n.a.
F 5	23 39	0s59	1 4	21 5	0 35	21 53	1 35	7 27	3 38	23 46	0 8	6 14	2 24	19 6	0 7	16 29	1 38	15 58	16 45	6 45	6 33	10 2			n.a.
S 6	23 36	6 42	0 1	20 39	0 27	21 36	1 35	7 17	3 40	23 46	0 8	6 15	2 24	19 7	0 7	16 29	1 38	15 57	16 45	6 45	6 32	9 58			n.a.
S 7	23 33	12 16	1s 4	20 12	0 18	21 19	1 34	7 8	3 41	23 47	0 9	6 15	2 24	19 7	0 7	16 28	1 38	15 56	16 44	6 45	6 31	9 55			n.a.
M 8	23 30	17 30	2 6	19 45	0 10	21 1	1 34	6 58	3 42	23 48	0 9	6 15	2 23	19 8	0 7	16 28	1 38	15 55	16 43	6 44	6 30	9 52			n.a.
T 9	23 26	22 6	3 4	19 17	0 1	20 43	1 33	6 49	3 44	23 48	0 9	6 16	2 23	19 9	0 7	16 28	1 38	15 54	16 43	6 42	6 28	9 49			n.a.
W10	23 21	25 44	3 54	18 49	0s 8	20 24	1 33	6 40	3 45	23 49	0 9	6 16	2 23	19 9	0 7	16 28	1 38	15 54	16 42	6 40	6 27	9 45			n.a.
T 11	23 17	28 0	4 32	18 20	0 18	20 4	1 32	6 30	3 47	23 50	0 9	6 17	2 23	19 10	0 7	16 28	1 38	15 53	16 42	6 36	6 26	9 42			n.a.
F 12	23 12	28 33	4 55	17 52	0 27	19 44	1 31	6 22	3 48	23 50	0 9	6 18	2 22	19 11	0 7	16 27	1 38	15 52	16 41	6 32	6 25	9 39			n.a.
S 13	23 6	27 11	5 0	17 23	0 37	19 24	1 30	6 13	3 50	23 51	0 9	6 18	2 22	19 11	0 7	16 27	1 37	15 51	16 41	6 27	6 23	9 36			n.a.
S 14	23 0	23 58	4 45	16 55	0 47	19 3	1 30	6 4	3 51	23 51	0 9	6 19	2 22	19 12	0 7	16 27	1 37	15 50	16 40	6 23	6 22	9 32			n.a.
M15	22 54	19 11	4 11	16 27	0 58	18 41	1 29	5 56	3 52	23 52	0 9	6 20	2 22	19 13	0 7	16 27	1 37	15 49	16 39	6 20	6 21	9 29			n.a.
T 16	22 47	13 17	3 21	15 58	1 8	18 19	1 28	5 48	3 54	23 52	0 10	6 20	2 21	19 13	0 7	16 27	1 37	15 48	16 39	6 17	6 20	9 26			n.a.
W17	22 40	6 43	2 18	15 31	1 18	17 56	1 26	5 40	3 55	23 53	0 10	6 21	2 21	19 14	0 7	16 27	1 37	15 47	16 38	6 16	6 18	9 23			n.a.
T 18	22 33	0n 7	1 7	15 3	1 29	17 33	1 25	5 32	3 57	23 53	0 10	6 22	2 21	19 15	0 7	16 26	1 37	15 46	16 38	6 15	6 17	9 19			n.a.
F 19	22 25	6 49	0n 6	14 36	1 40	17 9	1 24	5 24	3 58	23 53	0 10	6 23	2 20	19 15	0 7	16 26	1 37	15 45	16 37	6 15	6 16	9 16			n.a.
S 20	22 16	13 6	1 19	14 10	1 50	16 45	1 23	5 17	3 59	23 54	0 10	6 23	2 20	19 16	0 7	16 26	1 37	15 44	16 37	6 15	6 15	9 13			n.a.
S 21	22 8	18 39	2 25	13 44	2 1	16 21	1 21	5 10	4 1	23 54	0 10	6 24	2 20	19 16	0 7	16 26	1 37	15 43	16 36	6 14	6 13	9 9			n.a.
M22	21 58	23 11	3 22	13 20	2 12	15 56	1 20	5 3	4 2	23 55	0 10	6 25	2 20	19 17	0 7	16 26	1 37	15 42	16 36	6 13	6 12	9 6			n.a.
T 23	21 49	26 27	4 8	12 56	2 23	15 30	1 18	4 56	4 3	23 55	0 10	6 26	2 19	19 18	0 7	16 26	1 37	15 42	16 35	6 10	6 11	9 3			n.a.
W24	21 39	28 16	4 40	12 33	2 33	15 5	1 17	4 49	4 4	23 55	0 10	6 27	2 19	19 18	0 7	16 26	1 37	15 41	16 35	6 7	6 10	8 59			n.a.
T 25	21 29	28 32	4 57	12 12	2 44	14 38	1 15	4 43	4 6	23 55	0 11	6 28	2 19	19 19	0 7	16 26	1 37	15 40	16 34	6 2	6 8	8 56			n.a.
F 26	21 18	27 19	5 0	11 52	2 54	14 12	1 13	4 37	4 7	23 56	0 11	6 29	2 19	19 19	0 7	16 26	1 37	15 39	16 33	5 57	6 7	8 53			n.a.
S 27	21 7	24 46	4 48	11 33	3 4	13 45	1 11	4 31	4 8	23 56	0 11	6 30	2 18	19 20	0 7	16 26	1 37	15 37	16 33	5 52	6 6	8 50			n.a.
S 28	20 56	21 8	4 23	11 17	3 14	13 18	1 9	4 25	4 9	23 56	0 11	6 32	2 18	19 20	0 7	16 26	1 37	15 36	16 32	5 47	6 5	8 46			n.a.
M29	20 44	16 40	3 47	11 2	3 24	12 50	1 7	4 20	4 10	23 56	0 11	6 33	2 18	19 21	0 7	16 26	1 37	15 35	16 32	5 43	6 4	8 43			n.a.
T 30	20 32	11 37	3 1	10 49	3 33	12 22	1 5	4 15	4 12	23 57	0 11	6 34	2 18	19 21	0 7	16 26	1 37	15 34	16 31	5 40	6 2	8 40			n.a.
W31	20n19	6n11	2n 7	10n39	3s42	11n54	1n 3	4s10	4s13	23n57	0n11	6s35	2n17	19n22	0s 7	16s25	1n36	15n33	16n31	5n38	6n 1	8n36			n.a.

Julian Day Number = 1542631.5, Delta T = 04h36m34s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°50'00, Lahiri = -10°42'59 Julian Calendar 1 July 490 BCE == Greg. Calendar 26 June 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

AUGUST 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 12 48	1♌25'05	1♎11	22°R42	3♍10	29♓27	29♊52	22♎ 7	25♉52	19°R59	28♍50	14°R 3	15♈ 2	14♍35	n.a.	T 1
F 2	20 16 44	2°23'16	13° 1	22♌38	4°23	29°41	0♋ 4	22°10	25°54	19♏59	28°52	14°D 2	14°59	14°42	n.a.	F 2
S 3	20 20 41	3°21'29	24°58	22°27	5°35	29°53	0°16	22°13	25°56	19°59	28°54	14♈ 3	14°55	14°49	n.a.	S 3
S 4	20 24 37	4°19'43	7♏ 8	22°10	6°48	0♈ 5	0°29	22°16	25°57	19°59	28°55	14°R 3	14°52	14°55	n.a.	S 4
M 5	20 28 34	5°17'58	19°36	21°46	8° 0	0°16	0°41	22°19	25°59	19°58	28°57	14° 2	14°49	15° 2	n.a.	M 5
T 6	20 32 30	6°16'16	2♐27	21°16	9°13	0°26	0°53	22°22	26° 1	19°58	28°58	13°59	14°46	15° 9	n.a.	T 6
W 7	20 36 27	7°14'35	15°46	20°40	10°25	0°36	1° 5	22°25	26° 2	19°58	29° 0	13°54	14°43	15°15	n.a.	W 7
T 8	20 40 23	8°12'56	29°33	19°58	11°38	0°44	1°16	22°28	26° 4	19°D58	29° 2	13°46	14°40	15°22	n.a.	T 8
F 9	20 44 20	9°11'19	13♑48	19°10	12°50	0°52	1°28	22°32	26° 6	19°58	29° 4	13°37	14°36	15°29	n.a.	F 9
S 10	20 48 17	10° 9'43	28°27	18°17	14° 2	0°59	1°40	22°35	26° 7	19°58	29° 5	13°27	14°33	15°35	n.a.	S 10
S 11	20 52 13	11° 8'10	13♒23	17°21	15°14	1° 6	1°52	22°39	26° 9	19°58	29° 7	13°18	14°30	15°42	n.a.	S 11
M12	20 56 10	12° 6'38	28°28	16°21	16°27	1°11	2° 3	22°42	26°10	19°59	29° 9	13°10	14°27	15°49	n.a.	M12
T 13	21 0 6	13° 5'08	13♓30	15°19	17°39	1°16	2°15	22°46	26°11	19°59	29°11	13° 5	14°24	15°55	n.a.	T 13
W14	21 4 3	14° 3'41	28°22	14°16	18°51	1°20	2°26	22°50	26°13	19°59	29°13	13° 2	14°20	16° 2	n.a.	W14
T 15	21 7 59	15° 2'16	12♈57	13°15	20° 3	1°23	2°38	22°54	26°14	19°59	29°14	13°D 1	14°17	16° 8	n.a.	T 15
F 16	21 11 56	16° 0'53	27°12	12°16	21°15	1°25	2°49	22°58	26°15	19°59	29°16	13° 2	14°14	16°15	n.a.	F 16
S 17	21 15 52	16°59'32	11♉ 5	11°20	22°27	1°26	3° 0	23° 2	26°16	19°59	29°18	13°R 2	14°11	16°22	n.a.	S 17
S 18	21 19 49	17°58'14	24°37	10°30	23°39	1°R26	3°12	23° 6	26°18	20° 0	29°20	13° 2	14° 8	16°28	n.a.	S 18
M19	21 23 46	18°56'59	7♊50	9°47	24°51	1°26	3°23	23°10	26°19	20° 0	29°22	13° 0	14° 5	16°35	n.a.	M19
T 20	21 27 42	19°55'45	20°47	9°11	26° 3	1°24	3°34	23°14	26°20	20° 0	29°24	12°56	14° 1	16°42	n.a.	T 20
W21	21 31 39	20°54'35	3♋28	8°44	27°15	1°22	3°45	23°19	26°21	20° 1	29°26	12°50	13°58	16°48	n.a.	W21
T 22	21 35 35	21°53'26	15°58	8°26	28°27	1°19	3°56	23°23	26°22	20° 1	29°28	12°42	13°55	16°55	n.a.	T 22
F 23	21 39 32	22°52'20	28°16	8°D18	29°39	1°14	4° 7	23°28	26°23	20° 2	29°30	12°33	13°52	17° 2	n.a.	F 23
S 24	21 43 28	23°51'16	10♌26	8°20	0♎51	1° 9	4°17	23°32	26°23	20° 2	29°32	12°23	13°49	17° 8	n.a.	S 24
S 25	21 47 25	24°50'14	22°27	8°32	2° 3	1° 3	4°28	23°37	26°24	20° 3	29°34	12°15	13°45	17°15	n.a.	S 25
M26	21 51 21	25°49'14	4♍22	8°54	3°14	0°57	4°38	23°41	26°25	20° 3	29°36	12° 7	13°42	17°22	n.a.	M26
T 27	21 55 18	26°48'16	16°11	9°25	4°26	0°49	4°49	23°46	26°26	20° 4	29°39	12° 2	13°39	17°28	n.a.	T 27
W28	21 59 14	27°47'20	27°58	10° 5	5°38	0°40	4°59	23°51	26°26	20° 5	29°41	11°59	13°36	17°35	n.a.	W28
T 29	22 3 11	28°46'26	9♎45	10°55	6°49	0°31	5° 9	23°56	26°27	20° 5	29°43	11°D57	13°33	17°42	n.a.	T 29
F 30	22 7 8	29°45'35	21°35	11°51	8° 1	0°20	5°20	24° 1	26°27	20° 6	29°45	11°58	13°30	17°48	n.a.	F 30
S 31	22 11 4	0♍44'45	3♏32	12♌56	9♎13	0♈ 9	5♋30	24♎ 6	26♉28	20♏ 7	29♍47	11♈59	13♈26	17♍55	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n 6	0n33	1n 8	10n31	3s50	11n25	1n 1	4s 5	4s14	23n57	0n11	6s36	2n17	19n22	0s 7	16s25	1n36	15n32	16n30	5n37	6n 0	8n33		n.a.
F 2	19 53	5s 7	0 5	10 26	3 57	10 57	0 59	4 1	4 15	23 57	0 12	6 38	2 17	19 23	0 7	16 25	1 36	15 31	16 30	5 37	5 59	8 30		n.a.
S 3	19 40	10 41	0s58	10 23	4 3	10 27	0 56	3 57	4 16	23 57	0 12	6 39	2 17	19 23	0 7	16 25	1 36	15 30	16 30	5 37	5 57	8 26		n.a.
S 4	19 26	15 57	2 0	10 24	4 8	9 58	0 54	3 53	4 17	23 57	0 12	6 40	2 16	19 23	0 7	16 25	1 36	15 29	16 29	5 37	5 56	8 23		n.a.
M 5	19 12	20 42	2 57	10 27	4 12	9 29	0 52	3 50	4 18	23 57	0 12	6 42	2 16	19 24	0 7	16 26	1 36	15 28	16 29	5 36	5 55	8 20		n.a.
T 6	18 57	24 39	3 48	10 34	4 15	8 59	0 49	3 46	4 19	23 57	0 12	6 43	2 16	19 24	0 7	16 26	1 36	15 27	16 28	5 35	5 54	8 16		n.a.
W 7	18 42	27 26	4 28	10 45	4 16	8 29	0 47	3 43	4 20	23 57	0 12	6 45	2 16	19 25	0 7	16 26	1 36	15 26	16 28	5 33	5 52	8 13		n.a.
T 8	18 27	28 40	4 54	10 58	4 16	7 58	0 44	3 40	4 20	23 57	0 12	6 46	2 15	19 25	0 7	16 26	1 36	15 25	16 27	5 30	5 51	8 10		n.a.
F 9	18 12	28 4	5 4	11 15	4 14	7 28	0 41	3 38	4 21	23 57	0 12	6 47	2 15	19 25	0 7	16 26	1 36	15 24	16 27	5 27	5 50	8 6		n.a.
S 10	17 56	25 32	4 53	11 35	4 10	6 57	0 39	3 36	4 22	23 57	0 13	6 49	2 15	19 26	0 7	16 26	1 36	15 23	16 26	5 23	5 49	8 3		n.a.
S 11	17 40	21 13	4 23	11 58	4 4	6 26	0 36	3 34	4 23	23 57	0 13	6 51	2 15	19 26	0 7	16 26	1 36	15 21	16 26	5 19	5 47	8 0		n.a.
M12	17 23	15 31	3 35	12 23	3 56	5 55	0 33	3 32	4 23	23 57	0 13	6 52	2 14	19 27	0 7	16 26	1 36	15 20	16 25	5 16	5 46	7 56		n.a.
T 13	17 7	8 53	2 31	12 51	3 46	5 24	0 30	3 31	4 24	23 57	0 13	6 54	2 14	19 27	0 7	16 26	1 36	15 19	16 25	5 14	5 45	7 53		n.a.
W14	16 50	1 51	1 18	13 21	3 35	4 53	0 27	3 30	4 24	23 57	0 13	6 55	2 14	19 27	0 7	16 26	1 36	15 18	16 25	5 13	5 44	7 50		n.a.
T 15	16 32	5n10	0 0	13 51	3 21	4 22	0 24	3 29	4 25	23 57	0 13	6 57	2 14	19 27	0 7	16 26	1 36	15 17	16 24	5 12	5 42	7 46		n.a.
F 16	16 15	11 47	1n15	14 23	3 6	3 50	0 21	3 29	4 25	23 57	0 13	6 59	2 14	19 28	0 7	16 26	1 36	15 16	16 24	5 13	5 41	7 43		n.a.
S 17	15 57	17 38	2 25	14 54	2 49	3 18	0 18	3 29	4 26	23 57	0 13	7 0	2 13	19 28	0 7	16 27	1 35	15 15	16 23	5 13	5 40	7 40		n.a.
S 18	15 39	22 28	3 24	15 25	2 31	2 47	0 15	3 29	4 26	23 57	0 14	7 2	2 13	19 28	0 7	16 27	1 35	15 14	16 23	5 13	5 39	7 36		n.a.
M19	15 20	26 2	4 11	15 55	2 12	2 15	0 12	3 29	4 26	23 56	0 14	7 4	2 13	19 29	0 7	16 27	1 35	15 13	16 23	5 12	5 37	7 33		n.a.
T 20	15 2	28 9	4 44	16 23	1 53	1 43	0 8	3 30	4 26	23 56	0 14	7 6	2 13	19 29	0 7	16 27	1 35	15 11	16 22	5 11	5 36	7 30		n.a.
W21	14 43	28 45	5 2	16 49	1 33	1 11	0 5	3 31	4 26	23 56	0 14	7 8	2 12	19 29	0 7	16 27	1 35	15 10	16 22	5 8	5 35	7 26		n.a.
T 22	14 24	27 51	5 6	17 12	1 14	0 39	0 2	3 32	4 27	23 56	0 14	7 9	2 12	19 29	0 7	16 27	1 35	15 9	16 22	5 5	5 34	7 23		n.a.
F 23	14 4	25 36	4 55	17 33	0 55	0 7	0s 1	3 34	4 26	23 56	0 14	7 11	2 12	19 30	0 7	16 27	1 35	15 8	16 21	5 1	5 32	7 20		n.a.
S 24	13 45	22 12	4 31	17 50	0 36	0s25	0 5	3 36	4 26	23 56	0 14	7 13	2 12	19 30	0 7	16 28	1 35	15 7	16 21	4 58	5 31	7 16		n.a.
S 25	13 25	17 54	3 55	18 5	0 18	0 57	0 8	3 38	4 26	23 55	0 15	7 15	2 12	19 30	0 7	16 28	1 35	15 6	16 21	4 54	5 30	7 13		n.a.
M26	13 5	12 58	3 9	18 15	0 1	1 29	0 12	3 40	4 26	23 55	0 15	7 17	2 11	19 30	0 7	16 28	1 35	15 5	16 20	4 51	5 29	7 9		n.a.
T 27	12 45	7 35	2 15	18 22	0n15	2 1	0 15	3 43	4 25	23 55	0 15	7 19	2 11	19 30	0 7	16 28	1 35	15 3	16 20	4 49	5 27	7 6		n.a.
W28	12 24	1 58	1 15	18 26	0 30	2 33	0 19	3 46	4 25	23 55	0 15	7 21	2 11	19 30	0 7	16 29	1 35	15 2	16 20	4 48	5 26	7 3		n.a.
T 29	12 3	3s44	0 12	18 25	0 43	3 5	0 22	3 49	4 24	23 54	0 15	7 23	2 11	19 31	0 7	16 29	1 35	15 1	16 19	4 47	5 25	6 59		n.a.
F 30	11 42	9 20	0s52	18 21	0 56	3 37	0 26	3 53	4 23	23 54	0 15	7 25	2 11	19 31	0 7	16 29	1 35	15 0	16 19	4 47	5 24	6 56		n.a.
S 31	11n21	14s39	1s55	18n14	1n 7	4s 9	0s29	3s57	4s23	23n54	0n15	7s27	2n10	19n31	0s 7	16s29	1n35	14n59	16n19	4n48	5n22	6n53		n.a.

Julian Day Number = 1542662.5, Delta T = 04h36m33s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'55, Lahiri = -10°42'55 Julian Calendar 1 Aug. 490 BCE == Greg. Calendar 27 July 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

SEPTEMBER 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 15 1	1♍43'57	15♏41	14♌ 6	10♎24	29°R57	5♋40	24♎11	26♉28	20♏ 7	29♍49	12♈ 1	13♈23	18♍ 2	n.a.	S 1
M 2	22 18 57	2°43'11	28° 7	15°23	11°35	29♓45	5°50	24°16	26°28	20° 8	29°52	12°R 2	13°20	18° 8	n.a.	M 2
T 3	22 22 54	3°42'27	10♐54	16°45	12°47	29°31	5°59	24°21	26°29	20° 9	29°54	12° 2	13°17	18°15	n.a.	T 3
W 4	22 26 50	4°41'45	24° 7	18°11	13°58	29°17	6° 9	24°27	26°29	20°10	29°56	12° 0	13°14	18°22	n.a.	W 4
T 5	22 30 47	5°41'05	7♑48	19°41	15° 9	29° 2	6°18	24°32	26°29	20°11	29°58	11°57	13°11	18°28	n.a.	T 5
F 6	22 34 43	6°40'27	21°58	21°14	16°21	28°47	6°28	24°37	26°29	20°12	0♎ 1	11°52	13° 7	18°35	n.a.	F 6
S 7	22 38 40	7°39'50	6♒34	22°50	17°32	28°30	6°37	24°43	26°29	20°13	0° 3	11°47	13° 4	18°42	n.a.	S 7
S 8	22 42 37	8°39'16	21°33	24°28	18°43	28°14	6°46	24°48	26°R29	20°14	0° 5	11°42	13° 1	18°48	n.a.	S 8
M 9	22 46 33	9°38'43	6♓45	26° 8	19°54	27°56	6°56	24°54	26°29	20°15	0° 7	11°38	12°58	18°55	n.a.	M 9
T 10	22 50 30	10°38'13	22° 0	27°49	21° 5	27°38	7° 5	24°59	26°29	20°16	0°10	11°35	12°55	19° 2	n.a.	T 10
W11	22 54 26	11°37'45	7♈ 8	29°31	22°16	27°20	7°13	25° 5	26°29	20°17	0°12	11°D34	12°51	19° 8	n.a.	W11
T 12	22 58 23	12°37'19	22° 1	1♍14	23°26	27° 1	7°22	25°11	26°29	20°18	0°14	11°34	12°48	19°15	n.a.	T 12
F 13	23 2 19	13°36'55	6♉32	2°57	24°37	26°42	7°31	25°17	26°29	20°19	0°17	11°35	12°45	19°22	n.a.	F 13
S 14	23 6 16	14°36'34	20°38	4°41	25°48	26°22	7°39	25°22	26°29	20°20	0°19	11°37	12°42	19°28	n.a.	S 14
S 15	23 10 12	15°36'16	4♊17	6°25	26°58	26° 2	7°48	25°28	26°28	20°21	0°22	11°38	12°39	19°35	n.a.	S 15
M16	23 14 9	16°36'00	17°33	8° 8	28° 9	25°42	7°56	25°34	26°28	20°22	0°24	11°R39	12°36	19°42	n.a.	M16
T 17	23 18 6	17°35'46	0♋26	9°52	29°19	25°22	8° 4	25°40	26°27	20°24	0°26	11°38	12°32	19°48	n.a.	T 17
W18	23 22 2	18°35'34	13° 1	11°36	0♏30	25° 1	8°12	25°46	26°27	20°25	0°29	11°36	12°29	19°55	n.a.	W18
T 19	23 25 59	19°35'25	25°21	13°19	1°40	24°40	8°20	25°52	26°26	20°26	0°31	11°34	12°26	20° 2	n.a.	T 19
F 20	23 29 55	20°35'19	7♌29	15° 2	2°50	24°19	8°28	25°58	26°26	20°28	0°34	11°30	12°23	20° 8	n.a.	F 20
S 21	23 33 52	21°35'14	19°28	16°44	4° 1	23°58	8°35	26° 5	26°25	20°29	0°36	11°27	12°20	20°15	n.a.	S 21
S 22	23 37 48	22°35'11	1♍22	18°26	5°11	23°38	8°43	26°11	26°25	20°30	0°38	11°24	12°17	20°22	n.a.	S 22
M23	23 41 45	23°35'11	13°11	20° 7	6°21	23°17	8°50	26°17	26°24	20°32	0°41	11°21	12°13	20°28	n.a.	M23
T 24	23 45 41	24°35'13	24°59	21°48	7°31	22°56	8°57	26°23	26°23	20°33	0°43	11°19	12°10	20°35	n.a.	T 24
W25	23 49 38	25°35'16	6♎47	23°29	8°41	22°36	9° 4	26°30	26°22	20°35	0°46	11°D18	12° 7	20°42	n.a.	W25
T 26	23 53 34	26°35'22	18°38	25° 9	9°50	22°16	9°11	26°36	26°21	20°36	0°48	11°19	12° 4	20°48	n.a.	T 26
F 27	23 57 31	27°35'29	0♏33	26°48	11° 0	21°56	9°18	26°42	26°20	20°38	0°50	11°19	12° 1	20°55	n.a.	F 27
S 28	0 1 28	28°35'39	12°37	28°27	12°10	21°36	9°25	26°49	26°19	20°39	0°53	11°20	11°57	21° 1	n.a.	S 28
S 29	0 5 24	29°35'50	24°51	0♎ 5	13°19	21°17	9°31	26°55	26°18	20°41	0°55	11°22	11°54	21° 8	n.a.	S 29
M30	0 9 21	0♎36'03	7♐20	1♎43	14♏28	20♓58	9♋37	27♎ 2	26♉17	20♏42	0♎58	11♈23	11♈51	21♍15	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	11n 0	19s31	2s53	18n 2	1n17	4s40	0s33	4s 1	4s22	23n54	0n15	7s29	2n10	19n31	0s 7	16s30	1n35	14n58	16n18	4n49	5n21	6n49		n.a.
M 2	10 38	23 39	3 45	17 48	1 26	5 12	0 36	4 5	4 21	23 53	0 16	7 31	2 10	19 31	0 7	16 30	1 34	14 57	16 18	4 49	5 20	6 46		n.a.
T 3	10 17	26 47	4 27	17 30	1 33	5 43	0 40	4 9	4 20	23 53	0 16	7 33	2 10	19 31	0 7	16 30	1 34	14 56	16 18	4 49	5 19	6 43		n.a.
W 4	9 55	28 34	4 57	17 9	1 39	6 15	0 44	4 14	4 18	23 53	0 16	7 35	2 10	19 31	0 7	16 30	1 34	14 54	16 18	4 48	5 17	6 39		n.a.
T 5	9 33	28 42	5 11	16 46	1 45	6 46	0 47	4 18	4 17	23 52	0 16	7 38	2 9	19 31	0 7	16 31	1 34	14 53	16 17	4 47	5 16	6 36		n.a.
F 6	9 11	26 59	5 7	16 20	1 49	7 17	0 51	4 23	4 15	23 52	0 16	7 40	2 9	19 31	0 7	16 31	1 34	14 52	16 17	4 45	5 15	6 32		n.a.
S 7	8 48	23 26	4 43	15 51	1 52	7 48	0 55	4 28	4 14	23 52	0 16	7 42	2 9	19 31	0 7	16 31	1 34	14 51	16 17	4 43	5 14	6 29		n.a.
S 8	8 26	18 17	4 0	15 20	1 54	8 19	0 58	4 34	4 12	23 51	0 17	7 44	2 9	19 31	0 7	16 32	1 34	14 50	16 17	4 41	5 12	6 26		n.a.
M 9	8 3	11 55	2 59	14 47	1 56	8 50	1 2	4 39	4 10	23 51	0 17	7 46	2 9	19 31	0 7	16 32	1 34	14 49	16 17	4 40	5 11	6 22		n.a.
T 10	7 41	4 49	1 45	14 12	1 56	9 20	1 5	4 44	4 8	23 51	0 17	7 49	2 9	19 31	0 7	16 32	1 34	14 48	16 16	4 38	5 10	6 19		n.a.
W11	7 18	2n30	0 24	13 36	1 56	9 51	1 9	4 50	4 6	23 50	0 17	7 51	2 8	19 31	0 7	16 33	1 34	14 47	16 16	4 38	5 9	6 15		n.a.
T 12	6 55	9 34	0n57	12 58	1 55	10 21	1 13	4 55	4 4	23 50	0 17	7 53	2 8	19 31	0 7	16 33	1 34	14 45	16 16	4 38	5 7	6 12		n.a.
F 13	6 32	15 58	2 13	12 19	1 54	10 51	1 16	5 1	4 2	23 50	0 17	7 55	2 8	19 31	0 7	16 33	1 34	14 44	16 16	4 39	5 6	6 9		n.a.
S 14	6 8	21 20	3 18	11 39	1 52	11 20	1 20	5 7	3 59	23 49	0 17	7 58	2 8	19 31	0 7	16 34	1 34	14 43	16 16	4 39	5 5	6 5		n.a.
S 15	5 45	25 23	4 10	10 58	1 49	11 49	1 24	5 13	3 57	23 49	0 18	8 0	2 8	19 31	0 7	16 34	1 34	14 42	16 15	4 40	5 4	6 2		n.a.
M16	5 21	27 56	4 47	10 16	1 46	12 19	1 27	5 18	3 54	23 49	0 18	8 2	2 8	19 31	0 7	16 34	1 34	14 41	16 15	4 40	5 2	5 58		n.a.
T 17	4 58	28 54	5 9	9 33	1 43	12 47	1 31	5 24	3 52	23 48	0 18	8 5	2 7	19 31	0 7	16 35	1 34	14 40	16 15	4 40	5 1	5 55		n.a.
W18	4 34	28 20	5 15	8 50	1 39	13 16	1 34	5 30	3 49	23 48	0 18	8 7	2 7	19 31	0 7	16 35	1 34	14 39	16 15	4 39	5 0	5 52		n.a.
T 19	4 10	26 21	5 6	8 6	1 35	13 44	1 38	5 35	3 46	23 48	0 18	8 9	2 7	19 31	0 7	16 36	1 34	14 38	16 15	4 38	4 59	5 48		n.a.
F 20	3 47	23 12	4 43	7 21	1 30	14 12	1 41	5 41	3 43	23 47	0 18	8 12	2 7	19 30	0 7	16 36	1 33	14 37	16 15	4 36	4 57	5 45		n.a.
S 21	3 23	19 6	4 8	6 37	1 25	14 40	1 45	5 47	3 40	23 47	0 19	8 14	2 7	19 30	0 7	16 36	1 33	14 36	16 15	4 35	4 56	5 41		n.a.
S 22	2 59	14 17	3 23	5 52	1 20	15 7	1 48	5 52	3 36	23 47	0 19	8 16	2 7	19 30	0 7	16 37	1 33	14 35	16 15	4 34	4 55	5 38		n.a.
M23	2 35	8 59	2 29	5 6	1 15	15 34	1 52	5 57	3 33	23 46	0 19	8 19	2 7	19 30	0 7	16 37	1 33	14 34	16 14	4 33	4 54	5 35		n.a.
T 24	2 11	3 23	1 29	4 21	1 9	16 1	1 55	6 2	3 30	23 46	0 19	8 21	2 6	19 30	0 7	16 38	1 33	14 33	16 14	4 32	4 52	5 31		n.a.
W25	1 47	2s21	0 25	3 36	1 4	16 27	1 58	6 7	3 26	23 46	0 19	8 24	2 6	19 30	0 7	16 38	1 33	14 31	16 14	4 32	4 51	5 28		n.a.
T 26	1 22	8 1	0s40	2 50	0 58	16 53	2 2	6 12	3 23	23 45	0 19	8 26	2 6	19 29	0 7	16 39	1 33	14 30	16 14	4 32	4 50	5 24		n.a.
F 27	0 58	13 27	1 45	2 5	0 52	17 18	2 5	6 17	3 19	23 45	0 20	8 29	2 6	19 29	0 7	16 39	1 33	14 29	16 14	4 32	4 49	5 21		n.a.
S 28	0 34	18 27	2 45	1 19	0 46	17 43	2 8	6 21	3 15	23 45	0 20	8 31	2 6	19 29	0 7	16 39	1 33	14 28	16 14	4 33	4 47	5 18		n.a.
S 29	0 10	22 46	3 39	0 34	0 39	18 8	2 11	6 26	3 12	23 45	0 20	8 33	2 6	19 29	0 7	16 40	1 33	14 27	16 14	4 33	4 46	5 14		n.a.
M30	0s15	26s 9	4s23	0s11	0n33	18s32	2s14	6s30	3s 8	23n44	0n20	8s36	2n 6	19n28	0s 7	16s40	1n33	14n26	16n14	4n34	4n45	5n11		n.a.

Julian Day Number = 1542693.5, Delta T = 04h36m31s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'51, Lahiri = -10°42'51 Julian Calendar 1 Sept. 490 BCE == Greg. Calendar 27 Aug. 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

OCTOBER 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 13 17	1♎36'18	20♐ 6	3♎21	15♏38	20°R40	9♋44	27♎ 8	26°R16	20♏44	1♎ 0	11♈23	11♈48	21♍21	n.a.	T 1
W 2	0 17 14	2°36'34	3♑13	4°58	16°47	20♓22	9°50	27°15	26♉15	20°46	1° 3	11°R24	11°45	21°28	n.a.	W 2
T 3	0 21 10	3°36'52	16°44	6°34	17°56	20° 5	9°55	27°21	26°14	20°47	1° 5	11°23	11°42	21°35	n.a.	T 3
F 4	0 25 7	4°37'11	0♒41	8°11	19° 5	19°48	10° 1	27°28	26°12	20°49	1° 8	11°23	11°38	21°41	n.a.	F 4
S 5	0 29 3	5°37'32	15° 2	9°46	20°14	19°32	10° 7	27°35	26°11	20°51	1°10	11°22	11°35	21°48	n.a.	S 5
S 6	0 33 0	6°37'55	29°47	11°22	21°22	19°17	10°12	27°41	26°10	20°52	1°12	11°22	11°32	21°55	n.a.	S 6
M 7	0 36 57	7°38'18	14♓48	12°57	22°31	19° 2	10°17	27°48	26° 8	20°54	1°15	11°21	11°29	22° 1	n.a.	M 7
T 8	0 40 53	8°38'44	29°58	14°31	23°39	18°48	10°22	27°55	26° 7	20°56	1°17	11°21	11°26	22° 8	n.a.	T 8
W 9	0 44 50	9°39'11	15♈ 8	16° 5	24°48	18°35	10°27	28° 2	26° 5	20°58	1°20	11°D21	11°22	22°15	n.a.	W 9
T 10	0 48 46	10°39'40	0♉ 9	17°39	25°56	18°22	10°32	28° 8	26° 4	21° 0	1°22	11°21	11°19	22°21	n.a.	T 10
F 11	0 52 43	11°40'11	14°51	19°13	27° 4	18°11	10°36	28°15	26° 2	21° 1	1°25	11°R21	11°16	22°28	n.a.	F 11
S 12	0 56 39	12°40'44	29°10	20°46	28°12	17°59	10°41	28°22	26° 0	21° 3	1°27	11°21	11°13	22°35	n.a.	S 12
S 13	1 0 36	13°41'19	13♊ 1	22°19	29°19	17°49	10°45	28°29	25°59	21° 5	1°29	11°21	11°10	22°41	n.a.	S 13
M14	1 4 32	14°41'56	26°26	23°52	0♐27	17°40	10°49	28°36	25°57	21° 7	1°32	11°20	11° 7	22°48	n.a.	M14
T 15	1 8 29	15°42'34	9♋25	25°24	1°34	17°31	10°53	28°43	25°55	21° 9	1°34	11°20	11° 3	22°55	n.a.	T 15
W16	1 12 26	16°43'15	22° 1	26°56	2°42	17°23	10°56	28°49	25°53	21°11	1°36	11°D20	11° 0	23° 1	n.a.	W16
T 17	1 16 22	17°43'57	4♌19	28°28	3°49	17°16	11° 0	28°56	25°52	21°13	1°39	11°20	10°57	23° 8	n.a.	T 17
F 18	1 20 19	18°44'41	16°22	29°59	4°56	17°10	11° 3	29° 3	25°50	21°15	1°41	11°21	10°54	23°15	n.a.	F 18
S 19	1 24 15	19°45'26	28°17	1♏31	6° 2	17° 4	11° 6	29°10	25°48	21°17	1°44	11°22	10°51	23°21	n.a.	S 19
S 20	1 28 12	20°46'14	10♍ 5	3° 3	7° 9	16°59	11° 9	29°17	25°46	21°19	1°46	11°23	10°48	23°28	n.a.	S 20
M21	1 32 8	21°47'02	21°53	4°33	8°15	16°55	11°12	29°24	25°44	21°21	1°48	11°24	10°44	23°35	n.a.	M21
T 22	1 36 5	22°47'53	3♎41	6° 4	9°21	16°52	11°14	29°31	25°42	21°23	1°51	11°24	10°41	23°41	n.a.	T 22
W23	1 40 1	23°48'45	15°34	7°34	10°27	16°50	11°17	29°38	25°40	21°25	1°53	11°R25	10°38	23°48	n.a.	W23
T 24	1 43 58	24°49'38	27°33	9° 4	11°33	16°49	11°19	29°45	25°38	21°27	1°55	11°24	10°35	23°54	n.a.	T 24
F 25	1 47 55	25°50'32	9♏40	10°34	12°38	16°D48	11°21	29°52	25°36	21°29	1°57	11°23	10°32	24° 1	n.a.	F 25
S 26	1 51 51	26°51'28	21°56	12° 3	13°44	16°48	11°22	29°59	25°34	21°31	2° 0	11°21	10°28	24° 8	n.a.	S 26
S 27	1 55 48	27°52'25	4♐24	13°32	14°49	16°49	11°24	0♏ 6	25°31	21°33	2° 2	11°18	10°25	24°14	n.a.	S 27
M28	1 59 44	28°53'23	17° 5	15° 1	15°53	16°51	11°25	0°13	25°29	21°35	2° 4	11°15	10°22	24°21	n.a.	M28
T 29	2 3 41	29°54'22	29°59	16°29	16°58	16°54	11°27	0°20	25°27	21°38	2° 6	11°13	10°19	24°28	n.a.	T 29
W30	2 7 37	0♏55'22	13♑10	17°56	18° 2	16°57	11°28	0°27	25°25	21°40	2° 9	11°11	10°16	24°34	n.a.	W30
T 31	2 11 34	1♏56'23	26♑37	19♏22	19♐ 6	17♓ 1	11♋28	0♏34	25♉22	21♏42	2♎11	11°D10	10♈13	24♍41	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	0s39	28s18	4s56	0s57	0n27	18s55	2s17	6s34	3s 4	23n44	0n20	8s38	2n 6	19n28	0s 7	16s41	1n33	14n25	16n14	4n34	4n43	5n 7		n.a.
W 2	1 3	28 57	5 14	1 42	0 20	19 19	2 20	6 37	3 0	23 44	0 20	8 41	2 5	19 28	0 7	16 41	1 33	14 24	16 14	4 34	4 42	5 4		n.a.
T 3	1 27	27 55	5 16	2 26	0 14	19 41	2 23	6 40	2 56	23 43	0 21	8 43	2 5	19 28	0 6	16 42	1 33	14 23	16 14	4 34	4 41	5 0		n.a.
F 4	1 52	25 9	5 0	3 11	0 7	20 4	2 26	6 43	2 52	23 43	0 21	8 46	2 5	19 27	0 6	16 42	1 33	14 22	16 14	4 34	4 40	4 57		n.a.
S 5	2 16	20 45	4 25	3 55	0 0	20 26	2 29	6 46	2 48	23 43	0 21	8 48	2 5	19 27	0 6	16 43	1 33	14 22	16 14	4 33	4 38	4 54		n.a.
S 6	2 40	14 59	3 31	4 39	0s 6	20 47	2 32	6 49	2 44	23 43	0 21	8 51	2 5	19 27	0 6	16 43	1 33	14 21	16 14	4 33	4 37	4 50		n.a.
M 7	3 4	8 15	2 22	5 22	0 13	21 8	2 34	6 51	2 40	23 42	0 21	8 53	2 5	19 26	0 6	16 44	1 33	14 20	16 14	4 33	4 36	4 47		n.a.
T 8	3 28	0 58	1 3	6 6	0 19	21 28	2 37	6 53	2 36	23 42	0 22	8 56	2 5	19 26	0 6	16 44	1 33	14 19	16 14	4 33	4 35	4 43		n.a.
W 9	3 52	6n22	0n21	6 48	0 26	21 47	2 39	6 54	2 33	23 42	0 22	8 58	2 5	19 26	0 6	16 45	1 33	14 18	16 14	4 33	4 33	4 40		n.a.
T 10	4 16	13 16	1 43	7 31	0 32	22 7	2 42	6 56	2 29	23 42	0 22	9 1	2 5	19 25	0 6	16 45	1 33	14 17	16 14	4 33	4 32	4 36		n.a.
F 11	4 40	19 18	2 56	8 13	0 39	22 25	2 44	6 57	2 25	23 42	0 22	9 3	2 5	19 25	0 6	16 46	1 32	14 16	16 14	4 33	4 31	4 33		n.a.
S 12	5 4	24 4	3 56	8 55	0 45	22 43	2 46	6 58	2 21	23 42	0 22	9 6	2 4	19 24	0 6	16 46	1 32	14 15	16 14	4 33	4 30	4 30		n.a.
S 13	5 28	27 17	4 40	9 36	0 51	23 1	2 48	6 58	2 17	23 41	0 23	9 9	2 4	19 24	0 6	16 47	1 32	14 14	16 14	4 33	4 28	4 26		n.a.
M14	5 52	28 50	5 7	10 16	0 58	23 18	2 51	6 58	2 13	23 41	0 23	9 11	2 4	19 24	0 6	16 48	1 32	14 13	16 15	4 33	4 27	4 23		n.a.
T 15	6 16	28 42	5 18	10 56	1 4	23 34	2 53	6 58	2 9	23 41	0 23	9 14	2 4	19 23	0 6	16 48	1 32	14 12	16 15	4 33	4 26	4 19		n.a.
W16	6 39	27 4	5 12	11 36	1 10	23 49	2 54	6 58	2 5	23 41	0 23	9 16	2 4	19 23	0 6	16 49	1 32	14 12	16 15	4 33	4 25	4 16		n.a.
T 17	7 3	24 10	4 53	12 15	1 16	24 4	2 56	6 57	2 1	23 41	0 23	9 19	2 4	19 22	0 6	16 49	1 32	14 11	16 15	4 33	4 23	4 12		n.a.
F 18	7 26	20 16	4 20	12 53	1 21	24 19	2 58	6 56	1 57	23 41	0 23	9 21	2 4	19 22	0 6	16 50	1 32	14 10	16 15	4 33	4 22	4 9		n.a.
S 19	7 50	15 37	3 37	13 31	1 27	24 33	2 59	6 55	1 54	23 41	0 24	9 24	2 4	19 22	0 6	16 50	1 32	14 9	16 15	4 33	4 21	4 6		n.a.
S 20	8 13	10 26	2 45	14 8	1 32	24 46	3 1	6 53	1 50	23 41	0 24	9 26	2 4	19 21	0 6	16 51	1 32	14 8	16 15	4 34	4 20	4 2		n.a.
M21	8 36	4 53	1 46	14 44	1 38	24 58	3 2	6 51	1 46	23 41	0 24	9 29	2 4	19 21	0 6	16 51	1 32	14 8	16 15	4 34	4 18	3 59		n.a.
T 22	8 59	0s50	0 43	15 20	1 43	25 10	3 3	6 49	1 43	23 41	0 24	9 31	2 4	19 20	0 6	16 52	1 32	14 7	16 16	4 34	4 17	3 55		n.a.
W23	9 22	6 33	0s23	15 55	1 48	25 21	3 5	6 47	1 39	23 41	0 24	9 34	2 4	19 20	0 6	16 53	1 32	14 6	16 16	4 34	4 16	3 52		n.a.
T 24	9 44	12 6	1 28	16 29	1 52	25 32	3 6	6 44	1 36	23 41	0 25	9 36	2 4	19 19	0 6	16 53	1 32	14 5	16 16	4 34	4 15	3 48		n.a.
F 25	10 7	17 16	2 30	17 2	1 57	25 42	3 6	6 41	1 32	23 41	0 25	9 39	2 4	19 19	0 6	16 54	1 32	14 5	16 16	4 33	4 13	3 45		n.a.
S 26	10 29	21 48	3 26	17 34	2 1	25 51	3 7	6 38	1 29	23 41	0 25	9 41	2 4	19 18	0 6	16 54	1 32	14 4	16 16	4 33	4 12	3 41		n.a.
S 27	10 51	25 26	4 13	18 5	2 5	25 59	3 8	6 34	1 25	23 41	0 25	9 44	2 3	19 18	0 6	16 55	1 32	14 3	16 17	4 32	4 11	3 38		n.a.
M28	11 13	27 54	4 48	18 36	2 8	26 7	3 8	6 31	1 22	23 41	0 25	9 46	2 3	19 17	0 6	16 55	1 32	14 2	16 17	4 31	4 9	3 35		n.a.
T 29	11 35	28 55	5 10	19 5	2 12	26 14	3 9	6 27	1 19	23 41	0 26	9 49	2 3	19 17	0 6	16 56	1 32	14 2	16 17	4 30	4 8	3 31		n.a.
W30	11 57	28 19	5 15	19 33	2 14	26 21	3 9	6 22	1 15	23 41	0 26	9 51	2 3	19 16	0 6	16 57	1 32	14 1	16 17	4 29	4 7	3 28		n.a.
T 31	12s18	26s 5	5s 4	20s 0	2s17	26s26	3s 9	6s18	1s12	23n41	0n26	9s54	2n 3	19n15	0s 6	16s57	1n32	14n 0	16n17	4n29	4n 6	3n24		n.a.

Julian Day Number = 1542723.5, Delta T = 04h36m30s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'47, Lahiri = -10°42'47 Julian Calendar 1 Oct. 490 BCE == Greg. Calendar 26 Sept. 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

NOVEMBER 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 15 30	2♏57'25	10♒23	20♏48	20♐10	17♓ 6	11♋29	0♏41	25°R20	21♏44	2♎13	11♈10	10♈ 9	24♍48	n.a.	F 1
S 2	2 19 27	3°58'27	24°28	22°13	21°13	17°12	11°29	0°48	25♉18	21°46	2°15	11°11	10° 6	24°54	n.a.	S 2
S 3	2 23 24	4°59'30	8♓51	23°37	22°16	17°18	11°30	0°55	25°15	21°48	2°17	11°13	10° 3	25° 1	n.a.	S 3
M 4	2 27 20	6° 0'34	23°29	24°59	23°19	17°25	11°R30	1° 2	25°13	21°51	2°19	11°14	10° 0	25° 8	n.a.	M 4
T 5	2 31 17	7° 1'38	8♈17	26°20	24°21	17°33	11°29	1° 9	25°11	21°53	2°22	11°R15	9°57	25°14	n.a.	T 5
W 6	2 35 13	8° 2'43	23°11	27°39	25°23	17°41	11°29	1°16	25° 8	21°55	2°24	11°14	9°54	25°21	n.a.	W 6
T 7	2 39 10	9° 3'49	8♉ 1	28°57	26°25	17°51	11°29	1°23	25° 6	21°57	2°26	11°12	9°50	25°28	n.a.	T 7
F 8	2 43 6	10° 4'55	22°40	0♗12	27°26	18° 0	11°28	1°30	25° 3	21°59	2°28	11° 9	9°47	25°34	n.a.	F 8
S 9	2 47 3	11° 6'03	7♊ 1	1°24	28°27	18°11	11°27	1°37	25° 1	22° 2	2°30	11° 5	9°44	25°41	n.a.	S 9
S 10	2 50 59	12° 7'11	20°59	2°33	29°28	18°22	11°26	1°44	24°58	22° 4	2°32	11° 0	9°41	25°48	n.a.	S 10
M11	2 54 56	13° 8'21	4♋31	3°39	0♑28	18°33	11°24	1°51	24°56	22° 6	2°34	10°55	9°38	25°54	n.a.	M11
T 12	2 58 53	14° 9'31	17°37	4°40	1°27	18°45	11°23	1°58	24°53	22° 8	2°36	10°51	9°34	26° 1	n.a.	T 12
W13	3 2 49	15°10'43	0♌18	5°37	2°26	18°58	11°21	2° 5	24°51	22°11	2°38	10°48	9°31	26° 7	n.a.	W13
T 14	3 6 46	16°11'55	12°39	6°28	3°25	19°12	11°19	2°12	24°48	22°13	2°40	10°D47	9°28	26°14	n.a.	T 14
F 15	3 10 42	17°13'07	24°43	7°12	4°23	19°26	11°17	2°19	24°46	22°15	2°42	10°47	9°25	26°21	n.a.	F 15
S 16	3 14 39	18°14'21	6♍37	7°50	5°21	19°40	11°14	2°25	24°43	22°17	2°43	10°48	9°22	26°27	n.a.	S 16
S 17	3 18 35	19°15'35	18°25	8°20	6°18	19°55	11°12	2°32	24°41	22°20	2°45	10°50	9°19	26°34	n.a.	S 17
M18	3 22 32	20°16'50	0♎12	8°41	7°15	20°11	11° 9	2°39	24°38	22°22	2°47	10°52	9°15	26°41	n.a.	M18
T 19	3 26 28	21°18'06	12° 2	8°52	8°11	20°27	11° 6	2°46	24°36	22°24	2°49	10°R52	9°12	26°47	n.a.	T 19
W20	3 30 25	22°19'22	24° 0	8°R53	9° 7	20°43	11° 3	2°53	24°33	22°26	2°51	10°51	9° 9	26°54	n.a.	W20
T 21	3 34 22	23°20'39	6♏ 9	8°42	10° 2	21° 0	11° 0	2°59	24°30	22°29	2°52	10°48	9° 6	27° 1	n.a.	T 21
F 22	3 38 18	24°21'56	18°30	8°20	10°56	21°18	10°56	3° 6	24°28	22°31	2°54	10°43	9° 3	27° 7	n.a.	F 22
S 23	3 42 15	25°23'13	1♐ 4	7°46	11°50	21°36	10°53	3°13	24°25	22°33	2°56	10°36	9° 0	27°14	n.a.	S 23
S 24	3 46 11	26°24'30	13°53	7° 0	12°43	21°55	10°49	3°19	24°23	22°36	2°58	10°27	8°56	27°21	n.a.	S 24
M25	3 50 8	27°25'48	26°54	6° 4	13°35	22°13	10°45	3°26	24°20	22°38	2°59	10°18	8°53	27°27	n.a.	M25
T 26	3 54 4	28°27'06	10♑ 9	4°58	14°26	22°33	10°41	3°33	24°18	22°40	3° 1	10°10	8°50	27°34	n.a.	T 26
W27	3 58 1	29°28'23	23°35	3°45	15°17	22°53	10°36	3°39	24°15	22°42	3° 2	10° 3	8°47	27°41	n.a.	W27
T 28	4 1 58	0♗29'41	7♒12	2°26	16° 7	23°13	10°32	3°46	24°12	22°45	3° 4	9°58	8°44	27°47	n.a.	T 28
F 29	4 5 54	1°30'57	20°59	1° 5	16°56	23°34	10°27	3°52	24°10	22°47	3° 5	9°56	8°40	27°54	n.a.	F 29
S 30	4 9 51	2♗32'14	4♓56	29♏44	17♑44	23♓55	10♋22	3♏59	24♉ 7	22♏49	3♎ 7	9°D55	8♈37	28♍ 1	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s40	22s17	4s36	20s25	2s19	26s31	3s 9	6s13	1s 9	23n41	0n26	9s56	2n 3	19n15	0s 6	16s58	1n32	14n 0	16n18	4n29	4n 4	3n21		n.a.
S 2	13 1	17 9	3 50	20 50	2 21	26 36	3 9	6 8	1 6	23 42	0 27	9 59	2 3	19 14	0 6	16 58	1 32	13 59	16 18	4 29	4 3	3 17		n.a.
S 3	13 21	10 58	2 49	21 13	2 22	26 39	3 8	6 2	1 3	23 42	0 27	10 1	2 3	19 14	0 6	16 59	1 32	13 59	16 18	4 29	4 2	3 14		n.a.
M 4	13 42	4 6	1 36	21 34	2 22	26 42	3 8	5 57	1 0	23 42	0 27	10 4	2 3	19 13	0 6	17 0	1 32	13 58	16 19	4 30	4 1	3 10		n.a.
T 5	14 2	3n 5	0 16	21 54	2 23	26 45	3 7	5 51	0 57	23 42	0 27	10 6	2 3	19 13	0 6	17 0	1 32	13 57	16 19	4 30	3 59	3 7		n.a.
W 6	14 23	10 8	1n 5	22 12	2 22	26 46	3 6	5 45	0 54	23 42	0 27	10 9	2 3	19 12	0 6	17 1	1 32	13 57	16 19	4 30	3 58	3 3		n.a.
T 7	14 42	16 36	2 22	22 29	2 21	26 47	3 5	5 39	0 51	23 43	0 28	10 11	2 3	19 11	0 6	17 1	1 32	13 56	16 19	4 29	3 57	3 0		n.a.
F 8	15 2	22 2	3 28	22 43	2 19	26 48	3 4	5 33	0 48	23 43	0 28	10 14	2 3	19 11	0 6	17 2	1 32	13 56	16 20	4 28	3 56	2 57		n.a.
S 9	15 21	26 2	4 19	22 56	2 16	26 47	3 2	5 26	0 46	23 43	0 28	10 16	2 3	19 10	0 6	17 2	1 32	13 55	16 20	4 26	3 54	2 53		n.a.
S 10	15 41	28 20	4 54	23 7	2 13	26 46	3 1	5 19	0 43	23 44	0 28	10 19	2 3	19 10	0 6	17 3	1 32	13 55	16 20	4 24	3 53	2 50		n.a.
M11	15 59	28 51	5 11	23 15	2 8	26 45	2 59	5 12	0 40	23 44	0 28	10 21	2 3	19 9	0 6	17 4	1 32	13 54	16 21	4 22	3 52	2 46		n.a.
T 12	16 18	27 42	5 10	23 22	2 3	26 42	2 57	5 5	0 38	23 44	0 29	10 23	2 3	19 8	0 6	17 4	1 32	13 54	16 21	4 21	3 51	2 43		n.a.
W13	16 36	25 9	4 55	23 26	1 56	26 39	2 55	4 58	0 35	23 45	0 29	10 26	2 3	19 8	0 6	17 5	1 32	13 53	16 21	4 20	3 49	2 39		n.a.
T 14	16 54	21 29	4 26	23 27	1 49	26 36	2 53	4 50	0 33	23 45	0 29	10 28	2 3	19 7	0 6	17 5	1 32	13 53	16 22	4 19	3 48	2 36		n.a.
F 15	17 12	16 59	3 45	23 27	1 40	26 31	2 50	4 42	0 30	23 45	0 29	10 31	2 3	19 7	0 6	17 6	1 32	13 52	16 22	4 19	3 47	2 32		n.a.
S 16	17 29	11 55	2 56	23 23	1 30	26 26	2 48	4 34	0 28	23 46	0 29	10 33	2 3	19 6	0 6	17 7	1 32	13 52	16 22	4 20	3 45	2 29		n.a.
S 17	17 46	6 28	1 59	23 16	1 18	26 21	2 45	4 26	0 26	23 46	0 30	10 35	2 3	19 5	0 6	17 7	1 32	13 52	16 23	4 21	3 44	2 25		n.a.
M18	18 3	0 48	0 58	23 7	1 6	26 15	2 42	4 18	0 23	23 47	0 30	10 38	2 3	19 5	0 6	17 8	1 32	13 51	16 23	4 21	3 43	2 22		n.a.
T 19	18 20	4s55	0s 6	22 55	0 51	26 8	2 39	4 10	0 21	23 47	0 30	10 40	2 3	19 4	0 6	17 8	1 32	13 51	16 24	4 21	3 42	2 18		n.a.
W20	18 36	10 32	1 11	22 40	0 36	26 1	2 35	4 1	0 19	23 48	0 30	10 42	2 3	19 4	0 6	17 9	1 32	13 50	16 24	4 21	3 40	2 15		n.a.
T 21	18 51	15 50	2 13	22 21	0 19	25 53	2 31	3 52	0 17	23 48	0 31	10 44	2 3	19 3	0 6	17 10	1 32	13 50	16 24	4 20	3 39	2 12		n.a.
F 22	19 7	20 35	3 10	22 0	0 1	25 45	2 27	3 43	0 15	23 49	0 31	10 47	2 3	19 2	0 6	17 10	1 32	13 50	16 25	4 18	3 38	2 8		n.a.
S 23	19 22	24 31	3 58	21 36	0n18	25 36	2 23	3 34	0 13	23 49	0 31	10 49	2 3	19 2	0 6	17 11	1 32	13 49	16 25	4 15	3 37	2 5		n.a.
S 24	19 36	27 19	4 35	21 8	0 38	25 27	2 19	3 25	0 11	23 50	0 31	10 51	2 3	19 1	0 6	17 11	1 32	13 49	16 26	4 12	3 35	2 1		n.a.
M25	19 51	28 42	4 59	20 39	0 58	25 17	2 14	3 15	0 9	23 50	0 31	10 53	2 4	19 0	0 6	17 12	1 32	13 49	16 26	4 8	3 34	1 58		n.a.
T 26	20 5	28 28	5 7	20 7	1 18	25 6	2 9	3 6	0 7	23 51	0 32	10 56	2 4	19 0	0 6	17 13	1 32	13 49	16 26	4 5	3 33	1 54		n.a.
W27	20 18	26 34	4 59	19 35	1 38	24 56	2 4	2 56	0 5	23 51	0 32	10 58	2 4	18 59	0 6	17 13	1 32	13 48	16 27	4 2	3 32	1 51		n.a.
T 28	20 31	23 7	4 34	19 1	1 57	24 44	1 59	2 46	0 3	23 52	0 32	11 0	2 4	18 59	0 6	17 14	1 32	13 48	16 27	4 0	3 30	1 47		n.a.
F 29	20 44	18 21	3 52	18 28	2 14	24 33	1 53	2 37	0 1	23 52	0 32	11 2	2 4	18 58	0 6	17 14	1 32	13 48	16 28	3 59	3 29	1 44		n.a.
S 30	20s57	12s34	2s57	17s56	2n29	24s20	1s48	2s26	0n 1	23n53	0n32	11s 4	2n 4	18n57	0s 6	17s15	1n32	13n48	16n28	3n59	3n28	1n40		n.a.

Julian Day Number = 1542754.5, Delta T = 04h36m29s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'43, Lahiri = -10°42'42 Julian Calendar 1 Nov. 490 BCE == Greg. Calendar 27 Oct. 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 490 BCE
geocentric

DECEMBER 490 BCE (-489) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 13 47	3♐33'30	19♓ 2	28°R25	18♑32	24♓16	10°R17	4♏ 5	24°R 5	22♏51	3♎ 8	9♈56	8♈34	28♍ 7	n.a.	S 1
M 2	4 17 44	4°34'46	3♈17	27♏11	19°18	24°38	10♋12	4°12	24♉ 2	22°54	3°10	9°R57	8°31	28°14	n.a.	M 2
T 3	4 21 40	5°36'01	17°39	26° 5	20° 3	25° 0	10° 6	4°18	24° 0	22°56	3°11	9°57	8°28	28°20	n.a.	T 3
W 4	4 25 37	6°37'16	2♉ 5	25° 7	20°48	25°23	10° 1	4°24	23°57	22°58	3°13	9°55	8°25	28°27	n.a.	W 4
T 5	4 29 33	7°38'30	16°31	24°18	21°31	25°46	9°55	4°30	23°55	23° 0	3°14	9°50	8°21	28°34	n.a.	T 5
F 6	4 33 30	8°39'44	0♊50	23°39	22°13	26° 9	9°49	4°37	23°52	23° 2	3°15	9°43	8°18	28°40	n.a.	F 6
S 7	4 37 27	9°40'58	14°57	23°10	22°54	26°32	9°43	4°43	23°50	23° 5	3°17	9°33	8°15	28°47	n.a.	S 7
S 8	4 41 23	10°42'11	28°47	22°51	23°33	26°56	9°37	4°49	23°47	23° 7	3°18	9°23	8°12	28°54	n.a.	S 8
M 9	4 45 20	11°43'24	12♋16	22°42	24°12	27°21	9°31	4°55	23°45	23° 9	3°19	9°12	8° 9	29° 0	n.a.	M 9
T 10	4 49 16	12°44'37	25°22	22°D41	24°49	27°45	9°25	5° 1	23°43	23°11	3°20	9° 2	8° 6	29° 7	n.a.	T 10
W11	4 53 13	13°45'50	8♌ 6	22°49	25°25	28°10	9°18	5° 7	23°40	23°13	3°21	8°54	8° 2	29°14	n.a.	W11
T 12	4 57 9	14°47'02	20°29	23° 5	25°59	28°35	9°12	5°13	23°38	23°16	3°23	8°49	7°59	29°20	n.a.	T 12
F 13	5 1 6	15°48'14	2♍36	23°28	26°32	29° 0	9° 5	5°19	23°36	23°18	3°24	8°45	7°56	29°27	n.a.	F 13
S 14	5 5 3	16°49'25	14°31	23°58	27° 3	29°26	8°58	5°25	23°33	23°20	3°25	8°D44	7°53	29°34	n.a.	S 14
S 15	5 8 59	17°50'36	26°20	24°33	27°33	29°52	8°51	5°31	23°31	23°22	3°26	8°45	7°50	29°40	n.a.	S 15
M16	5 12 56	18°51'46	8♎ 7	25°13	28° 1	0♈18	8°44	5°36	23°29	23°24	3°27	8°R45	7°46	29°47	n.a.	M16
T 17	5 16 52	19°52'57	19°59	25°58	28°28	0°44	8°37	5°42	23°26	23°26	3°28	8°44	7°43	29°54	n.a.	T 17
W18	5 20 49	20°54'06	2♏ 1	26°48	28°52	1°11	8°29	5°48	23°24	23°28	3°29	8°42	7°40	0♎ 0	n.a.	W18
T 19	5 24 45	21°55'15	14°16	27°41	29°15	1°38	8°22	5°53	23°22	23°30	3°29	8°37	7°37	0° 7	n.a.	T 19
F 20	5 28 42	22°56'24	26°48	28°38	29°36	2° 5	8°15	5°59	23°20	23°32	3°30	8°29	7°34	0°13	n.a.	F 20
S 21	5 32 38	23°57'32	9♐39	29°38	29°55	2°32	8° 7	6° 4	23°18	23°34	3°31	8°18	7°31	0°20	n.a.	S 21
S 22	5 36 35	24°58'38	22°48	0♐41	0♒12	3° 0	8° 0	6°10	23°16	23°36	3°32	8° 6	7°27	0°27	n.a.	S 22
M23	5 40 32	25°59'45	6♑15	1°46	0°26	3°28	7°52	6°15	23°14	23°38	3°33	7°52	7°24	0°33	n.a.	M23
T 24	5 44 28	27° 0'50	19°55	2°53	0°39	3°56	7°44	6°20	23°12	23°40	3°33	7°40	7°21	0°40	n.a.	T 24
W25	5 48 25	28° 1'53	3♒47	4° 3	0°49	4°24	7°36	6°26	23°10	23°42	3°34	7°29	7°18	0°47	n.a.	W25
T 26	5 52 21	29° 2'56	17°45	5°15	0°58	4°53	7°29	6°31	23° 8	23°44	3°35	7°21	7°15	0°53	n.a.	T 26
F 27	5 56 18	0♑ 3'57	1♓48	6°28	1° 3	5°21	7°21	6°36	23° 6	23°46	3°35	7°16	7°12	1° 0	n.a.	F 27
S 28	6 0 14	1° 4'57	15°53	7°43	1° 7	5°50	7°13	6°41	23° 4	23°48	3°36	7°14	7° 8	1° 7	n.a.	S 28
S 29	6 4 11	2° 5'55	29°57	9° 0	1°R 7	6°19	7° 5	6°46	23° 2	23°50	3°36	7°13	7° 5	1°13	n.a.	S 29
M30	6 8 8	3° 6'52	14♈ 2	10°18	1° 6	6°49	6°57	6°51	23° 0	23°52	3°37	7°13	7° 2	1°20	n.a.	M30
T 31	6 12 4	4♑ 7'47	28♈ 5	11♐37	1♒ 2	7♈18	6♋49	6♏56	22♉58	23♏54	3♎37	7♈12	6♈59	1♎27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	21s 9	6s 5	1s50	17s26	2n42	24s 8	1s42	2s16	0n 2	23n54	0n33	11s 7	2n 4	18n57	0s 6	17s15	1n32	13n48	16n29	3n59	3n26	1n37			n.a.
M 2	21 20	0n47	0 36	16 59	2 53	23 55	1 35	2 6	0 4	23 54	0 33	11 9	2 4	18 56	0 6	17 16	1 32	13 47	16 29	3 59	3 25	1 33			n.a.
T 3	21 31	7 39	0n41	16 36	3 1	23 42	1 29	1 55	0 6	23 55	0 33	11 11	2 4	18 55	0 6	17 17	1 32	13 47	16 30	3 59	3 24	1 30			n.a.
W 4	21 42	14 10	1 56	16 16	3 7	23 28	1 22	1 45	0 7	23 56	0 33	11 13	2 4	18 55	0 6	17 17	1 32	13 47	16 30	3 59	3 23	1 26			n.a.
T 5	21 52	19 54	3 3	16 0	3 11	23 14	1 14	1 34	0 9	23 56	0 33	11 15	2 4	18 54	0 6	17 18	1 32	13 47	16 30	3 57	3 21	1 23			n.a.
F 6	22 2	24 28	3 57	15 49	3 13	23 0	1 7	1 23	0 10	23 57	0 34	11 17	2 4	18 54	0 6	17 18	1 32	13 47	16 31	3 54	3 20	1 19			n.a.
S 7	22 12	27 28	4 37	15 42	3 13	22 45	0 59	1 13	0 12	23 57	0 34	11 19	2 4	18 53	0 6	17 19	1 32	13 47	16 31	3 50	3 19	1 16			n.a.
S 8	22 21	28 44	4 59	15 39	3 11	22 31	0 51	1 2	0 14	23 58	0 34	11 21	2 4	18 52	0 6	17 19	1 32	13 47	16 32	3 46	3 18	1 13			n.a.
M 9	22 29	28 13	5 3	15 40	3 8	22 16	0 43	0 51	0 15	23 59	0 34	11 23	2 4	18 52	0 6	17 20	1 32	13 47	16 32	3 41	3 16	1 9			n.a.
T 10	22 38	26 7	4 52	15 44	3 4	22 1	0 34	0 39	0 16	23 59	0 34	11 25	2 4	18 51	0 6	17 20	1 32	13 47	16 33	3 38	3 15	1 6			n.a.
W11	22 45	22 45	4 26	15 51	2 58	21 45	0 25	0 28	0 18	24 0	0 35	11 27	2 5	18 51	0 6	17 21	1 32	13 47	16 33	3 34	3 14	1 2			n.a.
T 12	22 53	18 26	3 48	16 1	2 52	21 30	0 16	0 17	0 19	24 1	0 35	11 29	2 5	18 50	0 6	17 21	1 32	13 47	16 34	3 32	3 13	0 59			n.a.
F 13	22 59	13 29	3 0	16 14	2 45	21 14	0 7	0 5	0 21	24 1	0 35	11 31	2 5	18 49	0 6	17 22	1 32	13 47	16 34	3 31	3 11	0 55			n.a.
S 14	23 6	8 6	2 5	16 28	2 37	20 58	0n 3	0n 6	0 22	24 2	0 35	11 32	2 5	18 49	0 6	17 23	1 32	13 47	16 35	3 31	3 10	0 52			n.a.
S 15	23 12	2 29	1 6	16 45	2 29	20 42	0 13	0 18	0 23	24 3	0 35	11 34	2 5	18 48	0 6	17 23	1 32	13 47	16 35	3 31	3 9	0 48			n.a.
M16	23 17	3s13	0 3	17 2	2 21	20 27	0 24	0 30	0 24	24 3	0 36	11 36	2 5	18 48	0 6	17 24	1 32	13 47	16 36	3 31	3 7	0 45			n.a.
T 17	23 22	8 50	0s59	17 22	2 12	20 11	0 35	0 41	0 26	24 4	0 36	11 38	2 5	18 47	0 6	17 24	1 32	13 47	16 37	3 31	3 6	0 41			n.a.
W18	23 26	14 13	2 0	17 42	2 4	19 55	0 46	0 53	0 27	24 5	0 36	11 40	2 5	18 47	0 6	17 25	1 32	13 47	16 37	3 30	3 5	0 38			n.a.
T 19	23 30	19 8	2 57	18 3	1 55	19 39	0 57	1 5	0 28	24 5	0 36	11 42	2 5	18 46	0 6	17 25	1 32	13 47	16 38	3 28	3 4	0 34			n.a.
F 20	23 34	23 21	3 46	18 24	1 46	19 23	1 9	1 17	0 29	24 6	0 36	11 43	2 5	18 46	0 6	17 26	1 32	13 48	16 38	3 24	3 2	0 31			n.a.
S 21	23 37	26 33	4 24	18 46	1 36	19 7	1 21	1 29	0 30	24 7	0 36	11 45	2 5	18 45	0 6	17 26	1 32	13 48	16 39	3 20	3 1	0 27			n.a.
S 22	23 40	28 23	4 50	19 8	1 27	18 52	1 33	1 41	0 32	24 7	0 37	11 47	2 6	18 45	0 6	17 27	1 32	13 48	16 39	3 15	3 0	0 24			n.a.
M23	23 42	28 36	5 0	19 31	1 18	18 36	1 46	1 54	0 33	24 8	0 37	11 48	2 6	18 44	0 6	17 27	1 32	13 48	16 40	3 10	2 59	0 20			n.a.
T 24	23 43	27 6	4 54	19 53	1 9	18 21	1 59	2 6	0 34	24 9	0 37	11 50	2 6	18 43	0 6	17 27	1 32	13 48	16 40	3 5	2 57	0 17			n.a.
W25	23 45	23 56	4 30	20 15	1 0	18 6	2 12	2 18	0 35	24 9	0 37	11 52	2 6	18 43	0 6	17 28	1 32	13 49	16 41	3 1	2 56	0 13			n.a.
T 26	23 45	19 21	3 50	20 37	0 51	17 51	2 25	2 31	0 36	24 10	0 37	11 53	2 6	18 43	0 6	17 28	1 32	13 49	16 41	2 57	2 55	0 10			n.a.
F 27	23 45	13 42	2 55	20 59	0 42	17 36	2 39	2 43	0 37	24 10	0 37	11 55	2 6	18 42	0 6	17 29	1 32	13 49	16 42	2 55	2 53	0 6			n.a.
S 28	23 45	7 20	1 50	21 20	0 34	17 22	2 53	2 56	0 38	24 11	0 38	11 56	2 6	18 42	0 6	17 29	1 32	13 49	16 42	2 54	2 52	0 3			n.a.
S 29	23 44	0 36	0 38	21 41	0 25	17 8	3 7	3 8	0 39	24 12	0 38	11 58	2 6	18 41	0 6	17 30	1 32	13 50	16 43	2 54	2 51	0s 1			n.a.
M30	23 43	6n 9	0n36	22 1	0 17	16 54	3 21	3 21	0 40	24 12	0 38	11 59	2 7	18 41	0 6	17 30	1 32	13 50	16 44	2 54	2 50	0 4			n.a.
T 31	23s41	12n36	1n48	22s20	0n 8	16s41	3n36	3n33	0n41	24n13	0n38	12s 1	2n 7	18n40	0s 6	17s31	1n32	13n50	16n44	2n54	2n48	0s 8			n.a.

Julian Day Number = 1542784.5, Delta T = 04h36m28s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'39, Lahiri = -10°42'38 Julian Calendar 1 Dec. 490 BCE == Greg. Calendar 26 Nov. 490 BCE

The year -489 astronomical counting style corresponds to year 490 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

JANUARY 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 16 1	5♑ 8'41	12♉ 6	12♐57	0°R55	7♈48	6°R41	7♏ 0	22°R57	23♏55	3♎38	7°R 9	6♈56	1♎33	n.a.	W 1
T 2	6 19 57	6° 9'33	26° 4	14°19	0♒46	8°17	6♋33	7° 5	22♉55	23°57	3°38	7♈ 3	6°52	1°40	n.a.	T 2
F 3	6 23 54	7°10'24	9♊55	15°42	0°34	8°47	6°25	7°10	22°53	23°59	3°38	6°54	6°49	1°47	n.a.	F 3
S 4	6 27 50	8°11'14	23°37	17° 6	0°19	9°17	6°17	7°14	22°52	24° 1	3°39	6°43	6°46	1°53	n.a.	S 4
S 5	6 31 47	9°12'01	7♋ 7	18°31	0° 2	9°48	6° 9	7°19	22°50	24° 3	3°39	6°29	6°43	2° 0	n.a.	S 5
M 6	6 35 43	10°12'48	20°20	19°56	29♑43	10°18	6° 1	7°23	22°49	24° 4	3°39	6°16	6°40	2° 6	n.a.	M 6
T 7	6 39 40	11°13'33	3♌17	21°23	29°21	10°49	5°53	7°27	22°47	24° 6	3°39	6° 3	6°37	2°13	n.a.	T 7
W 8	6 43 37	12°14'17	15°54	22°51	28°57	11°19	5°45	7°31	22°46	24° 8	3°40	5°53	6°33	2°20	n.a.	W 8
T 9	6 47 33	13°14'59	28°15	24°20	28°31	11°50	5°37	7°36	22°44	24° 9	3°40	5°45	6°30	2°26	n.a.	T 9
F 10	6 51 30	14°15'40	10♍21	25°49	28° 3	12°21	5°30	7°40	22°43	24°11	3°40	5°40	6°27	2°33	n.a.	F 10
S 11	6 55 26	15°16'19	22°16	27°20	27°33	12°52	5°22	7°44	22°42	24°13	3°40	5°38	6°24	2°40	n.a.	S 11
S 12	6 59 23	16°16'57	4♎ 5	28°51	27° 1	13°23	5°14	7°48	22°41	24°14	3°R40	5°D37	6°21	2°46	n.a.	S 12
M13	7 3 19	17°17'34	15°53	0♑24	26°28	13°55	5° 6	7°51	22°39	24°16	3°40	5°R37	6°18	2°53	n.a.	M13
T 14	7 7 16	18°18'10	27°45	1°57	25°54	14°26	4°59	7°55	22°38	24°17	3°40	5°37	6°14	3° 0	n.a.	T 14
W15	7 11 12	19°18'44	9♏47	3°31	25°18	14°58	4°51	7°59	22°37	24°19	3°40	5°35	6°11	3° 6	n.a.	W15
T 16	7 15 9	20°19'17	22° 5	5° 6	24°41	15°29	4°44	8° 2	22°36	24°20	3°40	5°31	6° 8	3°13	n.a.	T 16
F 17	7 19 6	21°19'48	4♐42	6°42	24° 4	16° 1	4°36	8° 6	22°35	24°22	3°39	5°24	6° 5	3°20	n.a.	F 17
S 18	7 23 2	22°20'18	17°41	8°19	23°27	16°33	4°29	8° 9	22°34	24°23	3°39	5°15	6° 2	3°26	n.a.	S 18
S 19	7 26 59	23°20'46	1♑ 4	9°56	22°49	17° 5	4°22	8°13	22°33	24°24	3°39	5° 4	5°58	3°33	n.a.	S 19
M20	7 30 55	24°21'13	14°49	11°35	22°12	17°37	4°15	8°16	22°32	24°26	3°39	4°52	5°55	3°40	n.a.	M20
T 21	7 34 52	25°21'38	28°53	13°15	21°35	18°10	4° 8	8°19	22°32	24°27	3°38	4°40	5°52	3°46	n.a.	T 21
W22	7 38 48	26°22'00	13♒12	14°55	20°58	18°42	4° 1	8°22	22°31	24°29	3°38	4°31	5°49	3°53	n.a.	W22
T 23	7 42 45	27°22'21	27°38	16°37	20°23	19°15	3°54	8°25	22°30	24°30	3°38	4°23	5°46	3°59	n.a.	T 23
F 24	7 46 41	28°22'40	12♓ 6	18°19	19°49	19°47	3°47	8°28	22°29	24°31	3°37	4°19	5°43	4° 6	n.a.	F 24
S 25	7 50 38	29°22'57	26°31	20° 3	19°15	20°20	3°40	8°31	22°29	24°32	3°37	4°17	5°39	4°13	n.a.	S 25
S 26	7 54 35	0♒23'12	10♈49	21°47	18°44	20°53	3°34	8°34	22°28	24°33	3°36	4°D17	5°36	4°19	n.a.	S 26
M27	7 58 31	1°23'24	24°58	23°33	18°14	21°26	3°28	8°36	22°28	24°35	3°36	4°R17	5°33	4°26	n.a.	M27
T 28	8 2 28	2°23'34	8♉57	25°19	17°46	21°59	3°21	8°39	22°27	24°36	3°35	4°17	5°30	4°33	n.a.	T 28
W29	8 6 24	3°23'42	22°45	27° 7	17°20	22°32	3°15	8°41	22°27	24°37	3°35	4°15	5°27	4°39	n.a.	W29
T 30	8 10 21	4°23'48	6♊24	28°55	16°56	23° 5	3° 9	8°44	22°27	24°38	3°34	4°11	5°24	4°46	n.a.	T 30
F 31	8 14 17	5♒23'51	19♊51	0♒45	16♑35	23♈38	3♋ 4	8♏46	22♉26	24♏39	3♎34	4♈ 5	5♈20	4♎53	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s39	18n25	2n53	22s39	0n 0	16s28	3n51	3n46	0n42	24n13	0n38	12s 2	2n 7	18n40	0s 6	17s31	1n32	13n51	16n45	2n53	2n47	0s11		n.a.
T 2	23 37	23 12	3 47	22 57	0s 8	16 16	4 5	3 59	0 43	24 14	0 38	12 4	2 7	18 39	0 6	17 32	1 32	13 51	16 45	2 50	2 46	0 15		n.a.
F 3	23 34	26 39	4 28	23 14	0 15	16 4	4 20	4 12	0 43	24 14	0 38	12 5	2 7	18 39	0 6	17 32	1 32	13 51	16 46	2 46	2 45	0 18		n.a.
S 4	23 30	28 28	4 52	23 30	0 23	15 53	4 35	4 24	0 44	24 15	0 39	12 6	2 7	18 39	0 6	17 32	1 32	13 52	16 46	2 42	2 43	0 21		n.a.
S 5	23 26	28 33	5 0	23 45	0 30	15 42	4 49	4 37	0 45	24 15	0 39	12 8	2 7	18 38	0 6	17 33	1 32	13 52	16 47	2 37	2 42	0 25		n.a.
M 6	23 21	26 59	4 51	24 0	0 37	15 32	5 4	4 50	0 46	24 16	0 39	12 9	2 7	18 38	0 6	17 33	1 32	13 52	16 47	2 31	2 41	0 28		n.a.
T 7	23 16	24 1	4 27	24 13	0 44	15 22	5 18	5 3	0 47	24 16	0 39	12 10	2 8	18 37	0 6	17 34	1 32	13 53	16 48	2 26	2 39	0 32		n.a.
W 8	23 11	19 57	3 51	24 25	0 51	15 13	5 32	5 16	0 48	24 17	0 39	12 12	2 8	18 37	0 6	17 34	1 32	13 53	16 48	2 22	2 38	0 35		n.a.
T 9	23 5	15 6	3 4	24 36	0 58	15 5	5 46	5 29	0 48	24 17	0 39	12 13	2 8	18 37	0 6	17 34	1 32	13 54	16 49	2 19	2 37	0 39		n.a.
F 10	22 59	9 47	2 10	24 45	1 4	14 57	5 59	5 42	0 49	24 18	0 39	12 14	2 8	18 36	0 6	17 35	1 32	13 54	16 50	2 17	2 36	0 42		n.a.
S 11	22 52	4 11	1 10	24 53	1 10	14 50	6 12	5 55	0 50	24 18	0 39	12 15	2 8	18 36	0 5	17 35	1 32	13 55	16 50	2 16	2 34	0 46		n.a.
S 12	22 45	1s31	0 8	25 1	1 15	14 44	6 25	6 8	0 51	24 19	0 40	12 16	2 8	18 36	0 5	17 35	1 32	13 55	16 51	2 16	2 33	0 49		n.a.
M13	22 37	7 10	0s54	25 6	1 21	14 39	6 37	6 21	0 51	24 19	0 40	12 17	2 9	18 35	0 5	17 36	1 32	13 56	16 51	2 16	2 32	0 53		n.a.
T 14	22 29	12 35	1 55	25 10	1 26	14 34	6 48	6 34	0 52	24 19	0 40	12 18	2 9	18 35	0 5	17 36	1 32	13 56	16 52	2 16	2 31	0 56		n.a.
W15	22 21	17 38	2 51	25 13	1 31	14 30	6 59	6 47	0 53	24 20	0 40	12 19	2 9	18 35	0 5	17 36	1 32	13 57	16 52	2 15	2 29	1 0		n.a.
T 16	22 12	22 4	3 40	25 15	1 35	14 26	7 9	7 0	0 53	24 20	0 40	12 21	2 9	18 35	0 5	17 37	1 32	13 57	16 53	2 13	2 28	1 3		n.a.
F 17	22 2	25 37	4 20	25 15	1 40	14 23	7 18	7 13	0 54	24 21	0 40	12 21	2 9	18 34	0 5	17 37	1 32	13 58	16 53	2 10	2 27	1 7		n.a.
S 18	21 53	27 57	4 48	25 13	1 44	14 21	7 27	7 26	0 55	24 21	0 40	12 22	2 9	18 34	0 5	17 37	1 32	13 58	16 54	2 7	2 25	1 10		n.a.
S 19	21 42	28 46	5 1	25 10	1 47	14 20	7 34	7 39	0 55	24 21	0 40	12 23	2 9	18 34	0 5	17 38	1 33	13 59	16 54	2 2	2 24	1 14		n.a.
M20	21 32	27 51	4 57	25 5	1 50	14 19	7 41	7 52	0 56	24 22	0 40	12 24	2 10	18 34	0 5	17 38	1 33	13 59	16 55	1 58	2 23	1 17		n.a.
T 21	21 21	25 9	4 36	24 58	1 53	14 19	7 47	8 5	0 56	24 22	0 40	12 25	2 10	18 34	0 5	17 38	1 33	14 0	16 55	1 53	2 22	1 21		n.a.
W22	21 10	20 51	3 57	24 50	1 56	14 20	7 52	8 18	0 57	24 22	0 41	12 26	2 10	18 33	0 5	17 39	1 33	14 1	16 56	1 49	2 20	1 24		n.a.
T 23	20 58	15 18	3 2	24 40	1 58	14 21	7 56	8 31	0 58	24 22	0 41	12 27	2 10	18 33	0 5	17 39	1 33	14 1	16 56	1 46	2 19	1 28		n.a.
F 24	20 46	8 53	1 55	24 28	2 0	14 23	7 59	8 44	0 58	24 23	0 41	12 28	2 10	18 33	0 5	17 39	1 33	14 2	16 57	1 44	2 18	1 31		n.a.
S 25	20 33	2 2	0 41	24 14	2 1	14 25	8 1	8 57	0 59	24 23	0 41	12 28	2 10	18 33	0 5	17 39	1 33	14 3	16 57	1 43	2 17	1 35		n.a.
S 26	20 20	4n52	0n35	23 59	2 2	14 28	8 2	9 10	0 59	24 23	0 41	12 29	2 11	18 33	0 5	17 40	1 33	14 3	16 58	1 43	2 15	1 38		n.a.
M27	20 7	11 28	1 48	23 41	2 3	14 32	8 2	9 23	1 0	24 24	0 41	12 30	2 11	18 33	0 5	17 40	1 33	14 4	16 58	1 44	2 14	1 42		n.a.
T 28	19 53	17 25	2 54	23 22	2 3	14 36	8 2	9 36	1 0	24 24	0 41	12 30	2 11	18 33	0 5	17 40	1 33	14 5	16 59	1 44	2 13	1 45		n.a.
W29	19 39	22 23	3 49	23 1	2 3	14 40	8 1	9 49	1 1	24 24	0 41	12 31	2 11	18 32	0 5	17 40	1 33	14 5	16 59	1 43	2 11	1 49		n.a.
T 30	19 25	26 5	4 30	22 38	2 2	14 45	7 59	10 2	1 1	24 24	0 41	12 32	2 11	18 32	0 5	17 41	1 33	14 6	17 0	1 41	2 10	1 52		n.a.
F 31	19s10	28n16	4n55	22s13	2s 0	14s50	7n56	10n15	1n 2	24n24	0n41	12s32	2n12	18n32	0s 5	17s41	1n33	14n 7	17n 0	1n39	2n 9	1s55		n.a.

Julian Day Number = 1542815.5, Delta T = 04h36m26s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'35, Lahiri = -10°42'34 Julian Calendar 1 Jan. 489 BCE == Greg. Calendar 27 Dec. 490 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

FEBRUARY 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 18 14	6♒23'53	3♋ 8	2♒36	16°R16	24♈11	2°R58	8♏48	22°R26	24♏40	3°R33	3°R56	5♈17	4♎59	n.a.	S 1
S 2	8 22 10	7°23'52	16°13	4°28	15♑59	24°45	2♋52	8°50	22♉26	24°41	3♎32	3♈46	5°14	5° 6	n.a.	S 2
M 3	8 26 7	8°23'49	29° 5	6°20	15°44	25°18	2°47	8°52	22°26	24°42	3°31	3°36	5°11	5°13	n.a.	M 3
T 4	8 30 4	9°23'43	11♌43	8°14	15°32	25°52	2°42	8°54	22°26	24°43	3°31	3°26	5° 8	5°19	n.a.	T 4
W 5	8 34 0	10°23'36	24° 8	10° 9	15°23	26°25	2°37	8°56	22°D26	24°44	3°30	3°18	5° 4	5°26	n.a.	W 5
T 6	8 37 57	11°23'27	6♍20	12° 5	15°16	26°59	2°32	8°57	22°26	24°45	3°29	3°12	5° 1	5°33	n.a.	T 6
F 7	8 41 53	12°23'16	18°22	14° 1	15°12	27°33	2°27	8°59	22°26	24°45	3°28	3° 9	4°58	5°39	n.a.	F 7
S 8	8 45 50	13°23'02	0♎14	15°58	15°D10	28° 6	2°23	9° 0	22°26	24°46	3°27	3°D 7	4°55	5°46	n.a.	S 8
S 9	8 49 46	14°22'47	12° 2	17°56	15°10	28°40	2°18	9° 2	22°26	24°47	3°26	3° 8	4°52	5°52	n.a.	S 9
M10	8 53 43	15°22'30	23°50	19°55	15°13	29°14	2°14	9° 3	22°26	24°48	3°25	3° 9	4°49	5°59	n.a.	M10
T 11	8 57 39	16°22'11	5♏42	21°54	15°18	29°48	2°10	9° 4	22°27	24°48	3°24	3°10	4°45	6° 6	n.a.	T 11
W12	9 1 36	17°21'51	17°43	23°53	15°25	0♉22	2° 6	9° 5	22°27	24°49	3°23	3°R11	4°42	6°12	n.a.	W12
T 13	9 5 33	18°21'28	29°59	25°52	15°35	0°56	2° 2	9° 6	22°27	24°50	3°22	3°10	4°39	6°19	n.a.	T 13
F 14	9 9 29	19°21'04	12♐36	27°51	15°47	1°30	1°59	9° 7	22°28	24°50	3°21	3° 7	4°36	6°26	n.a.	F 14
S 15	9 13 26	20°20'38	25°35	29°50	16° 1	2° 5	1°56	9° 8	22°28	24°51	3°20	3° 3	4°33	6°32	n.a.	S 15
S 16	9 17 22	21°20'10	9♑ 1	1♓47	16°17	2°39	1°52	9° 9	22°29	24°51	3°19	2°57	4°29	6°39	n.a.	S 16
M17	9 21 19	22°19'40	22°52	3°43	16°35	3°13	1°49	9° 9	22°30	24°52	3°18	2°50	4°26	6°46	n.a.	M17
T 18	9 25 15	23°19'08	7♒ 9	5°38	16°55	3°48	1°47	9°10	22°30	24°52	3°17	2°44	4°23	6°52	n.a.	T 18
W19	9 29 12	24°18'34	21°44	7°31	17°17	4°22	1°44	9°10	22°31	24°53	3°16	2°38	4°20	6°59	n.a.	W19
T 20	9 33 8	25°17'57	6♓32	9°22	17°40	4°57	1°42	9°11	22°32	24°53	3°14	2°34	4°17	7° 6	n.a.	T 20
F 21	9 37 5	26°17'19	21°25	11° 9	18° 5	5°31	1°39	9°11	22°33	24°54	3°13	2°32	4°14	7°12	n.a.	F 21
S 22	9 41 1	27°16'38	6♈15	12°54	18°32	6° 6	1°37	9°R11	22°33	24°54	3°12	2°D32	4°10	7°19	n.a.	S 22
S 23	9 44 58	28°15'55	20°55	14°35	19° 1	6°40	1°35	9°11	22°34	24°54	3°11	2°33	4° 7	7°25	n.a.	S 23
M24	9 48 55	29°15'09	5♉21	16°11	19°31	7°15	1°34	9°11	22°35	24°54	3° 9	2°34	4° 4	7°32	n.a.	M24
T 25	9 52 51	0♓14'21	19°29	17°44	20° 2	7°50	1°32	9°11	22°36	24°55	3° 8	2°35	4° 1	7°39	n.a.	T 25
W26	9 56 48	1°13'30	3♊19	19°11	20°35	8°25	1°31	9°10	22°38	24°55	3° 7	2°R36	3°58	7°45	n.a.	W26
T 27	10 0 44	2°12'38	16°50	20°33	21° 9	9° 0	1°30	9°10	22°39	24°55	3° 5	2°35	3°55	7°52	n.a.	T 27
F 28	10 4 41	3°11'42	0♋ 5	21°50	21°45	9°35	1°29	9° 9	22°40	24°55	3° 4	2°33	3°51	7°59	n.a.	F 28
S 29	10 8 37	4♓10'45	13♋ 4	23♓ 1	22♑21	10♉ 9	1♋28	9♏ 9	22♉41	24♏55	3♎ 3	2♈29	3♈48	8♎ 5	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s55	28n48	5n 5	21s46	1s59	14s56	7n53	10n28	1n 2	24n25	0n41	12s33	2n12	18n32	0s 5	17s41	1n33	14n 7	17n 1	1n35	2n 8	1s59		n.a.
S 2	18 40	27 41	4 58	21 17	1 56	15 2	7 49	10 41	1 3	24 25	0 41	12 33	2 12	18 32	0 5	17 41	1 33	14 8	17 1	1 31	2 6	2 2		n.a.
M 3	18 24	25 6	4 35	20 46	1 53	15 8	7 44	10 54	1 3	24 25	0 41	12 34	2 12	18 32	0 5	17 41	1 33	14 9	17 2	1 27	2 5	2 6		n.a.
T 4	18 8	21 20	4 0	20 13	1 50	15 14	7 39	11 6	1 4	24 25	0 41	12 34	2 12	18 32	0 5	17 42	1 33	14 9	17 2	1 23	2 4	2 9		n.a.
W 5	17 52	16 41	3 14	19 38	1 46	15 21	7 33	11 19	1 4	24 25	0 41	12 34	2 12	18 32	0 5	17 42	1 33	14 10	17 3	1 20	2 3	2 13		n.a.
T 6	17 35	11 27	2 19	19 1	1 41	15 28	7 27	11 32	1 5	24 25	0 41	12 35	2 13	18 32	0 5	17 42	1 33	14 11	17 3	1 17	2 1	2 16		n.a.
F 7	17 19	5 52	1 19	18 22	1 36	15 35	7 21	11 45	1 5	24 25	0 41	12 35	2 13	18 32	0 5	17 42	1 33	14 12	17 4	1 16	2 0	2 20		n.a.
S 8	17 1	0 8	0 16	17 42	1 30	15 42	7 14	11 57	1 5	24 26	0 41	12 35	2 13	18 32	0 5	17 42	1 33	14 12	17 4	1 15	1 59	2 23		n.a.
S 9	16 44	5s33	0s48	16 59	1 24	15 49	7 6	12 10	1 6	24 26	0 41	12 36	2 13	18 32	0 5	17 42	1 33	14 13	17 4	1 16	1 57	2 27		n.a.
M10	16 26	11 4	1 50	16 15	1 17	15 56	6 59	12 23	1 6	24 26	0 42	12 36	2 13	18 33	0 5	17 43	1 33	14 14	17 5	1 16	1 56	2 30		n.a.
T 11	16 8	16 13	2 47	15 29	1 10	16 4	6 51	12 35	1 7	24 26	0 42	12 36	2 13	18 33	0 5	17 43	1 33	14 15	17 5	1 17	1 55	2 34		n.a.
W12	15 50	20 49	3 38	14 42	1 1	16 11	6 43	12 48	1 7	24 26	0 42	12 36	2 14	18 33	0 5	17 43	1 34	14 15	17 6	1 17	1 54	2 37		n.a.
T 13	15 32	24 38	4 20	13 53	0 52	16 18	6 35	13 0	1 7	24 26	0 42	12 36	2 14	18 33	0 5	17 43	1 34	14 16	17 6	1 16	1 52	2 41		n.a.
F 14	15 13	27 24	4 50	13 3	0 43	16 25	6 26	13 13	1 8	24 26	0 42	12 37	2 14	18 33	0 5	17 43	1 34	14 17	17 6	1 15	1 51	2 44		n.a.
S 15	14 54	28 48	5 7	12 12	0 33	16 32	6 18	13 25	1 8	24 26	0 42	12 37	2 14	18 33	0 5	17 43	1 34	14 18	17 7	1 14	1 50	2 48		n.a.
S 16	14 35	28 34	5 8	11 20	0 23	16 39	6 9	13 37	1 8	24 26	0 42	12 37	2 14	18 33	0 5	17 43	1 34	14 19	17 7	1 11	1 48	2 51		n.a.
M17	14 15	26 34	4 51	10 27	0 12	16 45	6 0	13 50	1 9	24 26	0 42	12 37	2 15	18 33	0 5	17 43	1 34	14 19	17 8	1 9	1 47	2 55		n.a.
T 18	13 56	22 51	4 16	9 34	0 0	16 52	5 51	14 2	1 9	24 26	0 42	12 37	2 15	18 34	0 5	17 43	1 34	14 20	17 8	1 6	1 46	2 58		n.a.
W19	13 36	17 39	3 24	8 41	0n12	16 58	5 43	14 14	1 9	24 26	0 42	12 37	2 15	18 34	0 5	17 43	1 34	14 21	17 8	1 4	1 45	3 2		n.a.
T 20	13 16	11 21	2 17	7 48	0 24	17 4	5 34	14 26	1 10	24 26	0 42	12 37	2 15	18 34	0 5	17 43	1 34	14 22	17 9	1 2	1 43	3 5		n.a.
F 21	12 55	4 22	1 0	6 55	0 36	17 9	5 24	14 38	1 10	24 27	0 42	12 37	2 15	18 34	0 5	17 43	1 34	14 23	17 9	1 1	1 42	3 8		n.a.
S 22	12 35	2n49	0n20	6 3	0 49	17 15	5 15	14 50	1 10	24 27	0 42	12 36	2 15	18 35	0 5	17 44	1 34	14 23	17 9	1 1	1 41	3 12		n.a.
S 23	12 14	9 48	1 39	5 12	1 2	17 20	5 6	15 2	1 11	24 27	0 42	12 36	2 16	18 35	0 5	17 44	1 34	14 24	17 10	1 2	1 40	3 15		n.a.
M24	11 53	16 8	2 50	4 23	1 14	17 25	4 57	15 14	1 11	24 27	0 42	12 36	2 16	18 35	0 5	17 44	1 34	14 25	17 10	1 2	1 38	3 19		n.a.
T 25	11 32	21 30	3 49	3 35	1 27	17 29	4 48	15 26	1 11	24 27	0 42	12 36	2 16	18 35	0 5	17 44	1 34	14 26	17 10	1 3	1 37	3 22		n.a.
W26	11 11	25 34	4 33	2 49	1 40	17 33	4 39	15 37	1 12	24 27	0 42	12 36	2 16	18 36	0 5	17 44	1 34	14 27	17 11	1 3	1 36	3 26		n.a.
T 27	10 50	28 6	5 1	2 5	1 52	17 37	4 30	15 49	1 12	24 27	0 42	12 35	2 16	18 36	0 5	17 44	1 34	14 27	17 11	1 2	1 34	3 29		n.a.
F 28	10 28	28 58	5 13	1 24	2 4	17 41	4 21	16 1	1 12	24 27	0 42	12 35	2 17	18 36	0 5	17 44	1 34	14 28	17 11	1 1	1 33	3 33		n.a.
S 29	10s 6	28n13	5n 8	0s45	2n15	17s44	4n12	16n12	1n12	24n27	0n42	12s35	2n17	18n37	0s 5	17s44	1n34	14n29	17n11	1n 0	1n32	3s36		n.a.

Julian Day Number = 1542846.5, Delta T = 04h36m25s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'30, Lahiri = -10°42'30 Julian Calendar 1 Feb. 489 BCE == Greg. Calendar 27 Jan. 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

MARCH 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 12 34	5♓ 9'44	25♋49	24♓ 6	22♉59	10♉44	1°R28	9°R 8	22♉42	24♏55	3°R 1	2°R25	3♈45	8♎12	n.a.	S 1
M 2	10 16 30	6° 8'42	8♌21	25° 5	23°38	11°19	1♋28	9♏ 7	22°44	24°R55	3♎ 0	2♈20	3°42	8°19	n.a.	M 2
T 3	10 20 27	7° 7'37	20°41	25°57	24°19	11°54	1°D27	9° 6	22°45	24°55	2°58	2°16	3°39	8°25	n.a.	T 3
W 4	10 24 24	8° 6'30	2♍51	26°43	25° 0	12°30	1°27	9° 5	22°47	24°55	2°57	2°13	3°35	8°32	n.a.	W 4
T 5	10 28 20	9° 5'21	14°53	27°22	25°42	13° 5	1°28	9° 4	22°48	24°55	2°55	2°11	3°32	8°39	n.a.	T 5
F 6	10 32 17	10° 4'09	26°47	27°54	26°26	13°40	1°28	9° 3	22°50	24°55	2°54	2°D10	3°29	8°45	n.a.	F 6
S 7	10 36 13	11° 2'56	8♎37	28°20	27°10	14°15	1°29	9° 2	22°51	24°55	2°52	2°10	3°26	8°52	n.a.	S 7
S 8	10 40 10	12° 1'41	20°24	28°39	27°55	14°50	1°30	9° 1	22°53	24°55	2°51	2°10	3°23	8°59	n.a.	S 8
M 9	10 44 6	13° 0'23	2♏13	28°51	28°41	15°25	1°31	8°59	22°54	24°55	2°49	2°12	3°20	9° 5	n.a.	M 9
T 10	10 48 3	13°59'04	14° 6	28°R57	29°28	16° 1	1°32	8°58	22°56	24°54	2°48	2°13	3°16	9°12	n.a.	T 10
W11	10 51 59	14°57'44	26° 8	28°56	0♒16	16°36	1°33	8°56	22°58	24°54	2°46	2°15	3°13	9°18	n.a.	W11
T 12	10 55 56	15°56'21	8♐23	28°49	1° 4	17°11	1°35	8°54	23° 0	24°54	2°44	2°16	3°10	9°25	n.a.	T 12
F 13	10 59 53	16°54'56	20°57	28°36	1°54	17°47	1°36	8°53	23° 2	24°54	2°43	2°R16	3° 7	9°32	n.a.	F 13
S 14	11 3 49	17°53'30	3♑52	28°18	2°43	18°22	1°38	8°51	23° 3	24°53	2°41	2°15	3° 4	9°38	n.a.	S 14
S 15	11 7 46	18°52'02	17°12	27°54	3°34	18°58	1°40	8°49	23° 5	24°53	2°40	2°14	3° 1	9°45	n.a.	S 15
M16	11 11 42	19°50'33	1♒ 0	27°26	4°26	19°33	1°43	8°47	23° 7	24°52	2°38	2°13	2°57	9°52	n.a.	M16
T 17	11 15 39	20°49'01	15°14	26°54	5°18	20° 9	1°45	8°44	23° 9	24°52	2°36	2°11	2°54	9°58	n.a.	T 17
W18	11 19 35	21°47'28	29°52	26°19	6°10	20°44	1°48	8°42	23°11	24°51	2°35	2°10	2°51	10° 5	n.a.	W18
T 19	11 23 32	22°45'53	14♓48	25°41	7° 3	21°20	1°50	8°40	23°14	24°51	2°33	2° 9	2°48	10°12	n.a.	T 19
F 20	11 27 28	23°44'16	29°55	25° 1	7°57	21°55	1°53	8°37	23°16	24°50	2°31	2°D 9	2°45	10°18	n.a.	F 20
S 21	11 31 25	24°42'37	15♈ 3	24°20	8°51	22°31	1°57	8°35	23°18	24°50	2°30	2° 9	2°41	10°25	n.a.	S 21
S 22	11 35 21	25°40'55	0♉ 3	23°38	9°46	23° 7	2° 0	8°32	23°20	24°49	2°28	2° 9	2°38	10°32	n.a.	S 22
M23	11 39 18	26°39'12	14°48	22°57	10°41	23°42	2° 3	8°30	23°22	24°49	2°26	2°10	2°35	10°38	n.a.	M23
T 24	11 43 15	27°37'27	29°12	22°17	11°37	24°18	2° 7	8°27	23°25	24°48	2°25	2°10	2°32	10°45	n.a.	T 24
W25	11 47 11	28°35'40	13♊12	21°39	12°33	24°54	2°11	8°24	23°27	24°47	2°23	2°11	2°29	10°52	n.a.	W25
T 26	11 51 8	29°33'50	26°48	21° 3	13°30	25°30	2°15	8°21	23°30	24°47	2°21	2°R11	2°26	10°58	n.a.	T 26
F 27	11 55 4	0♈31'59	10♋ 0	20°30	14°27	26° 5	2°19	8°18	23°32	24°46	2°20	2°11	2°22	11° 5	n.a.	F 27
S 28	11 59 1	1°30'05	22°52	20° 0	15°25	26°41	2°24	8°15	23°34	24°45	2°18	2°11	2°19	11°11	n.a.	S 28
S 29	12 2 57	2°28'09	5♌25	19°34	16°23	27°17	2°28	8°12	23°37	24°44	2°16	2°D11	2°16	11°18	n.a.	S 29
M30	12 6 54	3°26'11	17°44	19°13	17°21	27°53	2°33	8° 9	23°39	24°43	2°14	2°11	2°13	11°25	n.a.	M30
T 31	12 10 50	4♈24'11	29♌52	18♓55	18♒20	28♉29	2♋38	8♏ 6	23♉42	24♏42	2♎13	2♈11	2♈10	11♎31	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	9s45	25n58	4n48	0s 9	2n26	17s46	4n 3	16n23	1n13	24n27	0n42	12s34	2n17	18n37	0s 5	17s44	1n34	14n30	17n12	0n58	1n31	3s40			n.a.
M 2	9 23	22 30	4 14	0n24	2 36	17 48	3 55	16 35	1 13	24 27	0 42	12 34	2 17	18 37	0 5	17 43	1 34	14 31	17 12	0 57	1 29	3 43			n.a.
T 3	9 1	18 5	3 29	0 54	2 45	17 50	3 46	16 46	1 13	24 27	0 42	12 33	2 17	18 38	0 5	17 43	1 34	14 31	17 12	0 55	1 28	3 47			n.a.
W 4	8 38	12 59	2 34	1 20	2 54	17 51	3 37	16 57	1 13	24 27	0 42	12 33	2 17	18 38	0 5	17 43	1 34	14 32	17 12	0 54	1 27	3 50			n.a.
T 5	8 16	7 28	1 34	1 42	3 1	17 52	3 29	17 8	1 14	24 27	0 42	12 32	2 18	18 38	0 5	17 43	1 34	14 33	17 13	0 53	1 25	3 54			n.a.
F 6	7 54	1 45	0 30	2 2	3 8	17 52	3 20	17 19	1 14	24 27	0 42	12 32	2 18	18 39	0 5	17 43	1 35	14 34	17 13	0 52	1 24	3 57			n.a.
S 7	7 31	4s 0	0s36	2 17	3 14	17 52	3 12	17 30	1 14	24 27	0 42	12 31	2 18	18 39	0 5	17 43	1 35	14 35	17 13	0 52	1 23	4 0			n.a.
S 8	7 8	9 36	1 39	2 29	3 18	17 52	3 3	17 41	1 14	24 27	0 42	12 31	2 18	18 40	0 5	17 43	1 35	14 35	17 13	0 53	1 22	4 4			n.a.
M 9	6 46	14 53	2 39	2 36	3 21	17 51	2 55	17 52	1 14	24 27	0 42	12 30	2 18	18 40	0 5	17 43	1 35	14 36	17 14	0 53	1 20	4 7			n.a.
T 10	6 23	19 38	3 32	2 40	3 23	17 49	2 47	18 2	1 15	24 27	0 42	12 30	2 18	18 41	0 5	17 43	1 35	14 37	17 14	0 54	1 19	4 11			n.a.
W11	6 0	23 41	4 16	2 40	3 23	17 47	2 39	18 13	1 15	24 27	0 42	12 29	2 18	18 41	0 5	17 43	1 35	14 38	17 14	0 54	1 18	4 14			n.a.
T 12	5 37	26 46	4 50	2 37	3 22	17 44	2 31	18 23	1 15	24 27	0 42	12 28	2 19	18 42	0 5	17 43	1 35	14 38	17 14	0 55	1 17	4 18			n.a.
F 13	5 14	28 36	5 11	2 29	3 20	17 41	2 23	18 33	1 15	24 26	0 42	12 27	2 19	18 42	0 5	17 43	1 35	14 39	17 14	0 55	1 15	4 21			n.a.
S 14	4 51	28 58	5 17	2 18	3 16	17 37	2 15	18 44	1 15	24 26	0 42	12 27	2 19	18 42	0 5	17 42	1 35	14 40	17 14	0 54	1 14	4 25			n.a.
S 15	4 28	27 41	5 6	2 3	3 10	17 33	2 7	18 54	1 15	24 26	0 42	12 26	2 19	18 43	0 5	17 42	1 35	14 41	17 14	0 54	1 13	4 28			n.a.
M16	4 4	24 43	4 38	1 46	3 3	17 28	2 0	19 4	1 16	24 26	0 42	12 25	2 19	18 44	0 5	17 42	1 35	14 42	17 15	0 53	1 11	4 32			n.a.
T 17	3 41	20 10	3 52	1 25	2 55	17 23	1 52	19 14	1 16	24 26	0 42	12 24	2 19	18 44	0 5	17 42	1 35	14 42	17 15	0 53	1 10	4 35			n.a.
W18	3 18	14 19	2 50	1 2	2 45	17 17	1 45	19 24	1 16	24 26	0 42	12 23	2 19	18 45	0 5	17 42	1 35	14 43	17 15	0 52	1 9	4 38			n.a.
T 19	2 55	7 31	1 35	0 36	2 34	17 11	1 37	19 33	1 16	24 26	0 42	12 23	2 20	18 45	0 5	17 42	1 35	14 44	17 15	0 52	1 8	4 42			n.a.
F 20	2 31	0 13	0 12	0 9	2 21	17 4	1 30	19 43	1 16	24 26	0 42	12 22	2 20	18 46	0 5	17 42	1 35	14 45	17 15	0 52	1 6	4 45			n.a.
S 21	2 8	7n 6	1n11	0s20	2 8	16 57	1 23	19 52	1 16	24 26	0 42	12 21	2 20	18 46	0 5	17 41	1 35	14 45	17 15	0 52	1 5	4 49			n.a.
S 22	1 44	13 57	2 29	0 50	1 53	16 49	1 16	20 2	1 16	24 26	0 42	12 20	2 20	18 47	0 5	17 41	1 35	14 46	17 15	0 52	1 4	4 52			n.a.
M23	1 21	19 55	3 35	1 20	1 38	16 41	1 9	20 11	1 17	24 26	0 42	12 19	2 20	18 47	0 4	17 41	1 35	14 47	17 15	0 52	1 2	4 56			n.a.
T 24	0 57	24 35	4 27	1 51	1 22	16 32	1 3	20 20	1 17	24 26	0 41	12 18	2 20	18 48	0 4	17 41	1 35	14 47	17 15	0 52	1 1	4 59			n.a.
W25	0 34	27 39	5 1	2 21	1 6	16 22	0 56	20 29	1 17	24 26	0 41	12 17	2 20	18 49	0 4	17 41	1 35	14 48	17 15	0 53	1 0	5 3			n.a.
T 26	0 11	28 59	5 16	2 50	0 50	16 12	0 49	20 38	1 17	24 26	0 41	12 16	2 20	18 49	0 4	17 40	1 35	14 49	17 15	0 53	0 59	5 6			n.a.
F 27	0n13	28 36	5 15	3 19	0 33	16 2	0 43	20 47	1 17	24 26	0 41	12 15	2 21	18 50	0 4	17 40	1 35	14 49	17 15	0 53	0 57	5 9			n.a.
S 28	0 36	26 40	4 57	3 46	0 16	15 51	0 37	20 55	1 17	24 26	0 41	12 14	2 21	18 51	0 4	17 40	1 35	14 50	17 15	0 53	0 56	5 13			n.a.
S 29	1 0	23 27	4 26	4 11	0s 0	15 39	0 31	21 4	1 17	24 25	0 41	12 13	2 21	18 51	0 4	17 40	1 35	14 51	17 15	0 53	0 55	5 16			n.a.
M30	1 23	19 15	3 43	4 34	0 16	15 27	0 25	21 12	1 17	24 25	0 41	12 11	2 21	18 52	0 4	17 39	1 36	14 51	17 15	0 53	0 54	5 20			n.a.
T 31	1n46	14n19	2n50	4s55	0s32	15s14	0n19	21n21	1n18	24n25	0n41	12s10	2n21	18n53	0s 4	17s39	1n36	14n52	17n15	0n53	0n52	5s23			n.a.

Julian Day Number = 1542875.5, Delta T = 04h36m24s
Ecliptic obliquity = 23°45'25, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'26, Lahiri = -10°42'26 Julian Calendar 1 March 489 BCE == Greg. Calendar 25 Feb. 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

APRIL 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 14 47	5♈22'10	11♍50	18°R43	19♒19	29♉ 5	2♋43	8°R 3	23♉45	24°R42	2°R11	2♈11	2♈ 7	11♎38	n.a.	W 1
T 2	12 18 44	6°20'06	23°43	18♓35	20°18	29°41	2°48	7♏59	23°47	24♏41	2♎ 9	2°11	2° 3	11°45	n.a.	T 2
F 3	12 22 40	7°18'01	5♎32	18°D31	21°18	0♊17	2°53	7°56	23°50	24°40	2° 8	2°R11	2° 0	11°51	n.a.	F 3
S 4	12 26 37	8°15'54	17°20	18°33	22°18	0°53	2°58	7°52	23°53	24°39	2° 6	2°11	1°57	11°58	n.a.	S 4
S 5	12 30 33	9°13'45	29° 9	18°39	23°19	1°29	3° 4	7°49	23°55	24°38	2° 4	2°11	1°54	12° 5	n.a.	S 5
M 6	12 34 30	10°11'35	11♏ 1	18°50	24°20	2° 5	3°10	7°45	23°58	24°37	2° 3	2°10	1°51	12°11	n.a.	M 6
T 7	12 38 26	11° 9'23	22°59	19° 6	25°21	2°41	3°16	7°42	24° 1	24°36	2° 1	2° 8	1°47	12°18	n.a.	T 7
W 8	12 42 23	12° 7'10	5♐ 6	19°26	26°22	3°17	3°22	7°38	24° 4	24°35	1°59	2° 7	1°44	12°25	n.a.	W 8
T 9	12 46 19	13° 4'56	17°25	19°50	27°24	3°53	3°28	7°34	24° 7	24°34	1°58	2° 6	1°41	12°31	n.a.	T 9
F 10	12 50 16	14° 2'41	29°59	20°19	28°26	4°29	3°34	7°30	24°10	24°32	1°56	2° 5	1°38	12°38	n.a.	F 10
S 11	12 54 13	15° 0'24	12♑51	20°51	29°28	5° 5	3°41	7°26	24°13	24°31	1°54	2°D 5	1°35	12°45	n.a.	S 11
S 12	12 58 9	15°58'06	26° 6	21°28	0♓30	5°41	3°47	7°23	24°16	24°30	1°53	2° 5	1°32	12°51	n.a.	S 12
M13	13 2 6	16°55'47	9♒45	22° 9	1°33	6°17	3°54	7°19	24°19	24°29	1°51	2° 6	1°28	12°58	n.a.	M13
T 14	13 6 2	17°53'27	23°48	22°53	2°36	6°54	4° 1	7°15	24°22	24°28	1°50	2° 7	1°25	13° 4	n.a.	T 14
W15	13 9 59	18°51'05	8♓17	23°41	3°39	7°30	4° 8	7°11	24°25	24°27	1°48	2° 8	1°22	13°11	n.a.	W15
T 16	13 13 55	19°48'42	23° 6	24°33	4°43	8° 6	4°15	7° 7	24°28	24°25	1°46	2° 9	1°19	13°18	n.a.	T 16
F 17	13 17 52	20°46'18	8♈10	25°27	5°46	8°42	4°22	7° 2	24°31	24°24	1°45	2°R 9	1°16	13°24	n.a.	F 17
S 18	13 21 48	21°43'53	23°21	26°25	6°50	9°19	4°30	6°58	24°34	24°23	1°43	2° 8	1°12	13°31	n.a.	S 18
S 19	13 25 45	22°41'27	8♉30	27°26	7°54	9°55	4°37	6°54	24°37	24°22	1°42	2° 6	1° 9	13°38	n.a.	S 19
M20	13 29 41	23°38'59	23°27	28°31	8°59	10°31	4°45	6°50	24°40	24°20	1°40	2° 3	1° 6	13°44	n.a.	M20
T 21	13 33 38	24°36'30	8♊ 4	29°38	10° 3	11° 8	4°53	6°46	24°43	24°19	1°39	2° 0	1° 3	13°51	n.a.	T 21
W22	13 37 35	25°34'00	22°15	0♈48	11° 8	11°44	5° 1	6°41	24°47	24°18	1°37	1°58	1° 0	13°58	n.a.	W22
T 23	13 41 31	26°31'28	6♋ 0	2° 1	12°13	12°20	5° 9	6°37	24°50	24°16	1°36	1°55	0°57	14° 4	n.a.	T 23
F 24	13 45 28	27°28'55	19°16	3°17	13°18	12°57	5°17	6°33	24°53	24°15	1°34	1°54	0°53	14°11	n.a.	F 24
S 25	13 49 24	28°26'20	2♌ 8	4°35	14°23	13°33	5°25	6°28	24°56	24°13	1°33	1°D54	0°50	14°18	n.a.	S 25
S 26	13 53 21	29°23'44	14°38	5°56	15°28	14°10	5°34	6°24	25° 0	24°12	1°31	1°55	0°47	14°24	n.a.	S 26
M27	13 57 17	0♉21'06	26°52	7°20	16°34	14°46	5°42	6°20	25° 3	24°11	1°30	1°56	0°44	14°31	n.a.	M27
T 28	14 1 14	1°18'28	8♍52	8°47	17°39	15°23	5°51	6°15	25° 6	24° 9	1°28	1°58	0°41	14°38	n.a.	T 28
W29	14 5 11	2°15'47	20°45	10°16	18°45	15°59	6° 0	6°11	25°10	24° 8	1°27	1°59	0°38	14°44	n.a.	W29
T 30	14 9 7	3♉13'06	2♎33	11♈47	19♓51	16♊36	6♋ 8	6♏ 7	25♉13	24♏ 6	1♎26	2°R 0	0♈34	14♎51	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n10	8n55	1n51	5s14	0s47	15s 1	0n13	21n29	1n18	24n25	0n41	12s 9	2n21	18n53	0s 4	17s39	1n36	14n53	17n15	0n53	0n51	5s27		n.a.
T 2	2 33	3 15	0 47	5 31	1 1	14 48	0 7	21 37	1 18	24 25	0 41	12 8	2 21	18 54	0 4	17 39	1 36	14 53	17 15	0 53	0 50	5 30		n.a.
F 3	2 56	2s31	0s19	5 45	1 15	14 34	0 1	21 45	1 18	24 25	0 41	12 7	2 21	18 55	0 4	17 38	1 36	14 54	17 15	0 53	0 48	5 33		n.a.
S 4	3 19	8 10	1 23	5 56	1 28	14 19	0s 4	21 52	1 18	24 25	0 41	12 6	2 21	18 55	0 4	17 38	1 36	14 54	17 15	0 53	0 47	5 37		n.a.
S 5	3 42	13 33	2 24	6 5	1 41	14 4	0 9	22 0	1 18	24 25	0 41	12 4	2 21	18 56	0 4	17 38	1 36	14 55	17 15	0 53	0 46	5 40		n.a.
M 6	4 5	18 29	3 19	6 11	1 52	13 49	0 15	22 8	1 18	24 24	0 41	12 3	2 21	18 57	0 4	17 38	1 36	14 56	17 15	0 52	0 45	5 44		n.a.
T 7	4 28	22 43	4 6	6 15	2 3	13 33	0 20	22 15	1 18	24 24	0 41	12 2	2 22	18 57	0 4	17 37	1 36	14 56	17 14	0 52	0 43	5 47		n.a.
W 8	4 51	26 3	4 42	6 16	2 13	13 17	0 25	22 22	1 18	24 24	0 41	12 1	2 22	18 58	0 4	17 37	1 36	14 57	17 14	0 51	0 42	5 51		n.a.
T 9	5 14	28 14	5 7	6 14	2 21	13 0	0 30	22 29	1 18	24 24	0 41	11 59	2 22	18 59	0 4	17 37	1 36	14 57	17 14	0 51	0 41	5 54		n.a.
F 10	5 37	29 2	5 17	6 10	2 30	12 43	0 34	22 36	1 18	24 24	0 41	11 58	2 22	19 0	0 4	17 36	1 36	14 58	17 14	0 50	0 39	5 57		n.a.
S 11	5 59	28 17	5 11	6 4	2 37	12 25	0 39	22 43	1 18	24 23	0 41	11 57	2 22	19 0	0 4	17 36	1 36	14 58	17 14	0 50	0 38	6 1		n.a.
S 12	6 22	25 57	4 49	5 55	2 43	12 7	0 43	22 49	1 18	24 23	0 41	11 55	2 22	19 1	0 4	17 36	1 36	14 59	17 14	0 50	0 37	6 4		n.a.
M13	6 44	22 4	4 11	5 44	2 49	11 48	0 48	22 56	1 18	24 23	0 41	11 54	2 22	19 2	0 4	17 36	1 36	14 59	17 14	0 51	0 36	6 8		n.a.
T 14	7 7	16 51	3 17	5 31	2 54	11 30	0 52	23 2	1 18	24 23	0 41	11 53	2 22	19 3	0 4	17 35	1 36	15 0	17 13	0 51	0 34	6 11		n.a.
W15	7 29	10 33	2 8	5 15	2 58	11 10	0 56	23 8	1 18	24 23	0 41	11 51	2 22	19 3	0 4	17 35	1 36	15 0	17 13	0 51	0 33	6 15		n.a.
T 16	7 51	3 32	0 50	4 58	3 1	10 51	1 0	23 14	1 19	24 22	0 41	11 50	2 22	19 4	0 4	17 35	1 36	15 1	17 13	0 52	0 32	6 18		n.a.
F 17	8 13	3n47	0n33	4 38	3 3	10 30	1 4	23 20	1 19	24 22	0 41	11 49	2 22	19 5	0 4	17 34	1 36	15 1	17 13	0 52	0 30	6 21		n.a.
S 18	8 35	10 58	1 55	4 16	3 5	10 10	1 8	23 26	1 19	24 22	0 41	11 47	2 22	19 6	0 4	17 34	1 36	15 2	17 13	0 51	0 29	6 25		n.a.
S 19	8 56	17 29	3 7	3 52	3 6	9 49	1 12	23 32	1 19	24 22	0 41	11 46	2 22	19 6	0 4	17 34	1 36	15 2	17 12	0 51	0 28	6 28		n.a.
M20	9 18	22 51	4 6	3 27	3 6	9 28	1 15	23 37	1 19	24 21	0 41	11 44	2 22	19 7	0 4	17 33	1 36	15 2	17 12	0 50	0 27	6 32		n.a.
T 21	9 39	26 41	4 48	2 59	3 6	9 7	1 19	23 42	1 19	24 21	0 41	11 43	2 22	19 8	0 4	17 33	1 36	15 3	17 12	0 49	0 25	6 35		n.a.
W22	10 1	28 41	5 10	2 30	3 5	8 45	1 22	23 47	1 19	24 21	0 41	11 42	2 22	19 9	0 4	17 32	1 36	15 3	17 12	0 47	0 24	6 38		n.a.
T 23	10 22	28 51	5 14	1 59	3 3	8 23	1 25	23 52	1 19	24 20	0 41	11 40	2 22	19 10	0 4	17 32	1 36	15 3	17 11	0 46	0 23	6 42		n.a.
F 24	10 43	27 18	5 1	1 26	3 0	8 0	1 28	23 57	1 19	24 20	0 41	11 39	2 22	19 10	0 4	17 32	1 36	15 4	17 11	0 46	0 22	6 45		n.a.
S 25	11 4	24 22	4 32	0 52	2 57	7 38	1 31	24 2	1 19	24 20	0 41	11 37	2 22	19 11	0 4	17 31	1 36	15 4	17 11	0 46	0 20	6 49		n.a.
S 26	11 24	20 20	3 52	0 16	2 53	7 15	1 34	24 6	1 19	24 19	0 41	11 36	2 22	19 12	0 4	17 31	1 36	15 4	17 10	0 46	0 19	6 52		n.a.
M27	11 45	15 33	3 1	0n22	2 49	6 51	1 37	24 11	1 19	24 19	0 41	11 35	2 22	19 13	0 4	17 31	1 36	15 5	17 10	0 47	0 18	6 56		n.a.
T 28	12 5	10 15	2 4	1 1	2 44	6 28	1 39	24 15	1 19	24 19	0 41	11 33	2 22	19 14	0 4	17 30	1 36	15 5	17 10	0 47	0 16	6 59		n.a.
W29	12 25	4 39	1 1	1 41	2 38	6 4	1 42	24 19	1 19	24 18	0 41	11 32	2 22	19 15	0 4	17 30	1 36	15 5	17 9	0 48	0 15	7 2		n.a.
T 30	12n45	1s 4	0s 3	2n23	2s32	5s40	1s44	24n23	1n19	24n18	0n41	11s30	2n22	19n15	0s 4	17s30	1n36	15n 5	17n 9	0n48	0n14	7s 6		n.a.

Julian Day Number = 1542906.5, Delta T = 04h36m22s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'22, Lahiri = -10°42'22 Julian Calendar 1 Apr. 489 BCE == Greg. Calendar 27 March 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

MAY 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 13 4	4♉10'24	14♎20	13♈22	20♓57	17♊12	6♋17	6°R 2	25♉16	24°R 5	1°R24	1°R59	0♈31	14♎57	n.a.	F 1
S 2	14 17 0	5° 7'41	26° 9	14°58	22° 3	17°49	6°26	5♏58	25°20	24♏ 3	1♎23	1♈57	0°28	15° 4	n.a.	S 2
S 3	14 20 57	6° 4'57	8♏ 3	16°38	23°10	18°25	6°36	5°53	25°23	24° 2	1°22	1°53	0°25	15°11	n.a.	S 3
M 4	14 24 53	7° 2'12	20° 3	18°19	24°16	19° 2	6°45	5°49	25°27	24° 0	1°20	1°48	0°22	15°17	n.a.	M 4
T 5	14 28 50	7°59'26	2♐10	20° 4	25°23	19°39	6°54	5°45	25°30	23°59	1°19	1°42	0°18	15°24	n.a.	T 5
W 6	14 32 46	8°56'40	14°28	21°50	26°30	20°15	7° 4	5°40	25°34	23°57	1°18	1°35	0°15	15°31	n.a.	W 6
T 7	14 36 43	9°53'53	26°56	23°40	27°37	20°52	7°13	5°36	25°37	23°55	1°16	1°29	0°12	15°37	n.a.	T 7
F 8	14 40 40	10°51'05	9♑38	25°31	28°44	21°29	7°23	5°32	25°40	23°54	1°15	1°24	0° 9	15°44	n.a.	F 8
S 9	14 44 36	11°48'18	22°35	27°26	29°51	22° 5	7°33	5°27	25°44	23°52	1°14	1°21	0° 6	15°51	n.a.	S 9
S 10	14 48 33	12°45'29	5♒48	29°22	0♈59	22°42	7°43	5°23	25°47	23°51	1°13	1°19	0° 3	15°57	n.a.	S 10
M11	14 52 29	13°42'41	19°21	1♉21	2° 6	23°19	7°53	5°18	25°51	23°49	1°12	1°D19	29♓59	16° 4	n.a.	M11
T 12	14 56 26	14°39'52	3♓14	3°21	3°14	23°55	8° 3	5°14	25°54	23°48	1°11	1°20	29°56	16°11	n.a.	T 12
W13	15 0 22	15°37'03	17°28	5°24	4°21	24°32	8°13	5°10	25°58	23°46	1°10	1°21	29°53	16°17	n.a.	W13
T 14	15 4 19	16°34'13	2♈ 1	7°29	5°29	25° 9	8°23	5° 6	26° 2	23°44	1° 9	1°R22	29°50	16°24	n.a.	T 14
F 15	15 8 15	17°31'23	16°51	9°35	6°37	25°46	8°33	5° 1	26° 5	23°43	1° 8	1°21	29°47	16°31	n.a.	F 15
S 16	15 12 12	18°28'33	1♉50	11°43	7°45	26°23	8°44	4°57	26° 9	23°41	1° 7	1°18	29°44	16°37	n.a.	S 16
S 17	15 16 9	19°25'43	16°52	13°51	8°53	27° 0	8°54	4°53	26°12	23°40	1° 6	1°13	29°40	16°44	n.a.	S 17
M18	15 20 5	20°22'53	1♊46	16° 1	10° 2	27°36	9° 5	4°49	26°16	23°38	1° 5	1° 6	29°37	16°51	n.a.	M18
T 19	15 24 2	21°20'02	16°25	18°12	11°10	28°13	9°15	4°45	26°19	23°36	1° 4	0°59	29°34	16°57	n.a.	T 19
W20	15 27 58	22°17'10	0♋41	20°23	12°18	28°50	9°26	4°40	26°23	23°35	1° 3	0°51	29°31	17° 4	n.a.	W20
T 21	15 31 55	23°14'19	14°30	22°34	13°27	29°27	9°37	4°36	26°27	23°33	1° 2	0°44	29°28	17°11	n.a.	T 21
F 22	15 35 51	24°11'26	27°51	24°45	14°35	0♌ 4	9°48	4°32	26°30	23°32	1° 1	0°39	29°24	17°17	n.a.	F 22
S 23	15 39 48	25° 8'33	10♌46	26°56	15°44	0°41	9°59	4°28	26°34	23°30	1° 0	0°36	29°21	17°24	n.a.	S 23
S 24	15 43 45	26° 5'40	23°18	29° 6	16°53	1°18	10°10	4°24	26°37	23°28	0°59	0°D35	29°18	17°30	n.a.	S 24
M25	15 47 41	27° 2'46	5♍31	1♊16	18° 2	1°55	10°21	4°21	26°41	23°27	0°59	0°35	29°15	17°37	n.a.	M25
T 26	15 51 38	27°59'52	17°30	3°24	19°11	2°32	10°32	4°17	26°44	23°25	0°58	0°36	29°12	17°44	n.a.	T 26
W27	15 55 34	28°56'57	29°21	5°31	20°20	3° 9	10°43	4°13	26°48	23°23	0°57	0°R37	29° 9	17°50	n.a.	W27
T 28	15 59 31	29°54'02	11♎ 8	7°36	21°29	3°46	10°54	4° 9	26°52	23°22	0°57	0°36	29° 5	17°57	n.a.	T 28
F 29	16 3 27	0♊51'07	22°56	9°40	22°38	4°23	11° 6	4° 5	26°55	23°20	0°56	0°34	29° 2	18° 4	n.a.	F 29
S 30	16 7 24	1°48'12	4♏49	11°42	23°48	5° 1	11°17	4° 2	26°59	23°19	0°55	0°29	28°59	18°10	n.a.	S 30
S 31	16 11 20	2♊45'16	16♏50	13♊43	24♈57	5♋38	11♋29	3♏58	27♉ 2	23♏17	0♎55	0♈22	28♓56	18♎17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n 5	6s45	1s 7	3n 7	2s26	5s16	1s47	24n26	1n19	24n17	0n41	11s29	2n22	19n16	0s 4	17s29	1n36	15n 6	17n 9	0n48	0n13	7s 9		n.a.
S 2	13 24	12 13	2 8	3 51	2 18	4 51	1 49	24 30	1 19	24 17	0 41	11 27	2 22	19 17	0 4	17 29	1 36	15 6	17 8	0 47	0 11	7 13		n.a.
S 3	13 43	17 16	3 4	4 37	2 11	4 26	1 51	24 33	1 19	24 16	0 41	11 26	2 22	19 18	0 4	17 28	1 36	15 6	17 8	0 45	0 10	7 16		n.a.
M 4	14 3	21 43	3 52	5 23	2 3	4 1	1 53	24 36	1 19	24 16	0 41	11 25	2 22	19 19	0 4	17 28	1 36	15 6	17 8	0 43	0 9	7 19		n.a.
T 5	14 21	25 17	4 31	6 11	1 54	3 36	1 54	24 39	1 19	24 15	0 41	11 23	2 22	19 20	0 4	17 28	1 36	15 6	17 7	0 41	0 7	7 23		n.a.
W 6	14 40	27 45	4 57	7 0	1 45	3 11	1 56	24 42	1 18	24 15	0 41	11 22	2 22	19 20	0 4	17 27	1 36	15 7	17 7	0 38	0 6	7 26		n.a.
T 7	14 58	28 53	5 9	7 50	1 35	2 45	1 58	24 45	1 18	24 14	0 41	11 20	2 22	19 21	0 4	17 27	1 36	15 7	17 7	0 36	0 5	7 29		n.a.
F 8	15 17	28 30	5 7	8 40	1 26	2 20	1 59	24 47	1 18	24 14	0 41	11 19	2 22	19 22	0 4	17 26	1 36	15 7	17 6	0 34	0 4	7 33		n.a.
S 9	15 35	26 36	4 49	9 31	1 15	1 54	2 1	24 49	1 18	24 13	0 41	11 18	2 21	19 23	0 4	17 26	1 36	15 7	17 6	0 33	0 2	7 36		n.a.
S 10	15 52	23 12	4 16	10 23	1 5	1 28	2 2	24 51	1 18	24 13	0 41	11 16	2 21	19 24	0 4	17 26	1 36	15 7	17 5	0 32	0 1	7 40		n.a.
M11	16 10	18 30	3 28	11 15	0 54	1 2	2 3	24 53	1 18	24 12	0 41	11 15	2 21	19 25	0 4	17 25	1 36	15 7	17 5	0 32	0s 0	7 43		n.a.
T 12	16 27	12 43	2 26	12 7	0 44	0 36	2 4	24 55	1 18	24 11	0 41	11 13	2 21	19 26	0 4	17 25	1 36	15 7	17 4	0 32	0 2	7 46		n.a.
W13	16 44	6 9	1 15	12 59	0 33	0 9	2 5	24 57	1 18	24 11	0 41	11 12	2 21	19 26	0 4	17 24	1 36	15 7	17 4	0 33	0 3	7 50		n.a.
T 14	17 1	0n52	0n 4	13 51	0 22	0n17	2 6	24 58	1 18	24 10	0 41	11 11	2 21	19 27	0 4	17 24	1 36	15 7	17 4	0 33	0 4	7 53		n.a.
F 15	17 17	7 59	1 23	14 42	0 11	0 44	2 6	24 59	1 18	24 10	0 41	11 9	2 21	19 28	0 4	17 24	1 36	15 7	17 3	0 33	0 5	7 57		n.a.
S 16	17 33	14 43	2 37	15 33	0n 0	1 10	2 7	25 0	1 18	24 9	0 41	11 8	2 21	19 29	0 4	17 23	1 36	15 7	17 3	0 31	0 7	8 0		n.a.
S 17	17 49	20 37	3 40	16 23	0 11	1 37	2 8	25 1	1 18	24 8	0 41	11 7	2 21	19 30	0 4	17 23	1 36	15 7	17 2	0 29	0 8	8 3		n.a.
M18	18 5	25 10	4 28	17 12	0 21	2 4	2 8	25 2	1 18	24 7	0 41	11 5	2 21	19 31	0 4	17 22	1 36	15 7	17 2	0 27	0 9	8 7		n.a.
T 19	18 20	27 59	4 57	17 59	0 32	2 31	2 8	25 2	1 18	24 7	0 41	11 4	2 20	19 31	0 4	17 22	1 36	15 7	17 1	0 24	0 10	8 10		n.a.
W20	18 35	28 52	5 7	18 45	0 41	2 57	2 9	25 3	1 18	24 6	0 41	11 3	2 20	19 32	0 4	17 22	1 36	15 7	17 1	0 21	0 12	8 13		n.a.
T 21	18 50	27 54	4 58	19 29	0 51	3 24	2 9	25 3	1 18	24 5	0 41	11 2	2 20	19 33	0 4	17 21	1 36	15 7	17 0	0 18	0 13	8 17		n.a.
F 22	19 4	25 20	4 33	20 10	1 0	3 51	2 9	25 3	1 18	24 4	0 41	11 0	2 20	19 34	0 4	17 21	1 36	15 7	17 0	0 16	0 14	8 20		n.a.
S 23	19 18	21 32	3 55	20 50	1 8	4 18	2 9	25 3	1 18	24 4	0 41	10 59	2 20	19 35	0 4	17 20	1 36	15 7	16 59	0 15	0 16	8 23		n.a.
S 24	19 32	16 52	3 7	21 27	1 16	4 45	2 9	25 2	1 17	24 3	0 41	10 58	2 20	19 36	0 4	17 20	1 36	15 6	16 59	0 14	0 17	8 27		n.a.
M25	19 45	11 38	2 11	22 2	1 23	5 11	2 8	25 2	1 17	24 2	0 41	10 57	2 20	19 37	0 4	17 20	1 36	15 6	16 58	0 14	0 18	8 30		n.a.
T 26	19 59	6 4	1 10	22 35	1 30	5 38	2 8	25 1	1 17	24 1	0 41	10 56	2 20	19 37	0 4	17 19	1 36	15 6	16 58	0 15	0 19	8 34		n.a.
W27	20 11	0 22	0 7	23 4	1 36	6 5	2 8	25 0	1 17	24 0	0 41	10 55	2 19	19 38	0 4	17 19	1 36	15 6	16 57	0 15	0 21	8 37		n.a.
T 28	20 24	5s19	0s56	23 31	1 41	6 31	2 7	24 59	1 17	23 59	0 41	10 53	2 19	19 39	0 4	17 19	1 36	15 6	16 57	0 15	0 22	8 40		n.a.
F 29	20 36	10 50	1 57	23 56	1 45	6 58	2 6	24 58	1 17	23 58	0 41	10 52	2 19	19 40	0 4	17 18	1 36	15 5	16 56	0 14	0 23	8 44		n.a.
S 30	20 48	16 0	2 52	24 17	1 49	7 25	2 6	24 56	1 17	23 57	0 41	10 51	2 19	19 41	0 4	17 18	1 36	15 5	16 56	0 12	0 25	8 47		n.a.
S 31	20n59	20s36	3s41	24n36	1n52	7n51	2s 5	24n55	1n17	23n56	0n41	10s50	2n19	19n42	0s 4	17s17	1n36	15n 5	16n55	0n 9	0s26	8s50		n.a.

Julian Day Number = 1542936.5, Delta T = 04h36m21s
Ecliptic obliquity = 23°45'25, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'18, Lahiri = -10°42'18 Julian Calendar 1 May 489 BCE == Greg. Calendar 26 Apr. 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

JUNE 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 15 17	3♊42'21	29♏ 0	15♊42	26♈ 6	6♋15	11♋40	3°R55	27♉ 6	23°R15	0°R54	0°R12	28♓53	18♎24	n.a.	M 1
T 2	16 19 14	4°39'26	11♐21	17°39	27°16	6°52	11°52	3♏51	27° 9	23♏14	0♎54	0♈ 1	28°50	18°30	n.a.	T 2
W 3	16 23 10	5°36'31	23°54	19°34	28°26	7°29	12° 4	3°48	27°13	23°12	0°53	29♓50	28°46	18°37	n.a.	W 3
T 4	16 27 7	6°33'37	6♑39	21°27	29°35	8° 6	12°15	3°44	27°17	23°11	0°53	29°39	28°43	18°44	n.a.	T 4
F 5	16 31 3	7°30'42	19°36	23°18	0♉45	8°44	12°27	3°41	27°20	23° 9	0°53	29°30	28°40	18°50	n.a.	F 5
S 6	16 35 0	8°27'49	2♒45	25° 7	1°55	9°21	12°39	3°38	27°24	23° 8	0°52	29°23	28°37	18°57	n.a.	S 6
S 7	16 38 56	9°24'55	16° 7	26°55	3° 5	9°58	12°51	3°35	27°27	23° 6	0°52	29°19	28°34	19° 4	n.a.	S 7
M 8	16 42 53	10°22'02	29°42	28°40	4°15	10°36	13° 3	3°32	27°31	23° 5	0°52	29°17	28°30	19°10	n.a.	M 8
T 9	16 46 49	11°19'10	13♓31	0♋23	5°25	11°13	13°15	3°29	27°34	23° 3	0°51	29°D16	28°27	19°17	n.a.	T 9
W10	16 50 46	12°16'19	27°34	2° 5	6°35	11°50	13°27	3°26	27°38	23° 2	0°51	29°R16	28°24	19°24	n.a.	W10
T 11	16 54 43	13°13'28	11♈52	3°44	7°46	12°28	13°39	3°23	27°41	23° 0	0°51	29°16	28°21	19°30	n.a.	T 11
F 12	16 58 39	14°10'38	26°22	5°22	8°56	13° 5	13°51	3°20	27°45	22°59	0°51	29°14	28°18	19°37	n.a.	F 12
S 13	17 2 36	15° 7'49	11♉ 0	6°57	10° 6	13°42	14° 3	3°17	27°48	22°57	0°50	29° 9	28°15	19°44	n.a.	S 13
S 14	17 6 32	16° 5'00	25°42	8°31	11°17	14°20	14°16	3°15	27°52	22°56	0°50	29° 2	28°11	19°50	n.a.	S 14
M15	17 10 29	17° 2'12	10♊20	10° 2	12°27	14°57	14°28	3°12	27°55	22°54	0°50	28°52	28° 8	19°57	n.a.	M15
T 16	17 14 25	17°59'25	24°46	11°32	13°38	15°35	14°40	3°10	27°58	22°53	0°50	28°41	28° 5	20° 4	n.a.	T 16
W17	17 18 22	18°56'39	8♋55	12°59	14°49	16°12	14°53	3° 7	28° 2	22°51	0°D50	28°30	28° 2	20°10	n.a.	W17
T 18	17 22 19	19°53'53	22°40	14°25	15°59	16°50	15° 5	3° 5	28° 5	22°50	0°50	28°19	27°59	20°17	n.a.	T 18
F 19	17 26 15	20°51'07	6♌ 0	15°48	17°10	17°28	15°17	3° 3	28° 9	22°49	0°50	28°11	27°56	20°24	n.a.	F 19
S 20	17 30 12	21°48'22	18°55	17°10	18°21	18° 5	15°30	3° 0	28°12	22°47	0°50	28° 5	27°52	20°30	n.a.	S 20
S 21	17 34 8	22°45'38	1♍28	18°29	19°32	18°43	15°42	2°58	28°15	22°46	0°51	28° 2	27°49	20°37	n.a.	S 21
M22	17 38 5	23°42'54	13°41	19°46	20°43	19°20	15°55	2°56	28°19	22°44	0°51	28° 1	27°46	20°44	n.a.	M22
T 23	17 42 1	24°40'10	25°41	21° 1	21°54	19°58	16° 8	2°54	28°22	22°43	0°51	28° 1	27°43	20°50	n.a.	T 23
W24	17 45 58	25°37'27	7♎33	22°13	23° 5	20°36	16°20	2°53	28°25	22°42	0°51	28° 1	27°40	20°57	n.a.	W24
T 25	17 49 54	26°34'45	19°21	23°23	24°16	21°14	16°33	2°51	28°28	22°41	0°51	27°59	27°36	21° 3	n.a.	T 25
F 26	17 53 51	27°32'03	1♏12	24°31	25°28	21°51	16°46	2°49	28°32	22°39	0°52	27°56	27°33	21°10	n.a.	F 26
S 27	17 57 48	28°29'22	13° 9	25°36	26°39	22°29	16°58	2°48	28°35	22°38	0°52	27°51	27°30	21°17	n.a.	S 27
S 28	18 1 44	29°26'42	25°17	26°38	27°50	23° 7	17°11	2°46	28°38	22°37	0°52	27°43	27°27	21°23	n.a.	S 28
M29	18 5 41	0♋24'03	7♐38	27°38	29° 2	23°45	17°24	2°45	28°41	22°36	0°53	27°32	27°24	21°30	n.a.	M29
T 30	18 9 37	1♋21'25	20♐14	28♋35	0♊13	24♋23	17♋37	2♏43	28♉45	22♏34	0♎53	27♓20	27♓21	21♎37	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n10	24s25	4s20	24n52	1n54	8n17	2s 4	24n53	1n17	23n55	0n41	10s49	2n19	19n43	0s 4	17s17	1n36	15n 5	16n55	0n 5	0s27	8s54		n.a.
T 2	21 21	27 11	4 47	25 6	1 56	8 43	2 3	24 51	1 17	23 54	0 41	10 48	2 18	19 43	0 4	17 17	1 36	15 4	16 54	0 1	0 28	8 57		n.a.
W 3	21 31	28 38	5 1	25 17	1 57	9 9	2 2	24 49	1 16	23 53	0 41	10 47	2 18	19 44	0 4	17 16	1 36	15 4	16 54	0s 4	0 30	9 0		n.a.
T 4	21 41	28 35	5 0	25 26	1 57	9 35	2 1	24 46	1 16	23 52	0 41	10 46	2 18	19 45	0 4	17 16	1 36	15 4	16 53	0 8	0 31	9 4		n.a.
F 5	21 51	26 59	4 44	25 32	1 57	10 1	2 0	24 44	1 16	23 51	0 41	10 45	2 18	19 46	0 4	17 15	1 36	15 3	16 52	0 12	0 32	9 7		n.a.
S 6	22 0	23 55	4 13	25 36	1 56	10 27	1 59	24 41	1 16	23 50	0 41	10 44	2 18	19 47	0 4	17 15	1 36	15 3	16 52	0 15	0 34	9 10		n.a.
S 7	22 9	19 31	3 28	25 38	1 55	10 52	1 57	24 38	1 16	23 49	0 41	10 43	2 17	19 47	0 4	17 15	1 36	15 3	16 51	0 17	0 35	9 14		n.a.
M 8	22 18	14 4	2 30	25 37	1 53	11 17	1 56	24 35	1 16	23 48	0 41	10 42	2 17	19 48	0 4	17 14	1 36	15 2	16 51	0 17	0 36	9 17		n.a.
T 9	22 26	7 50	1 23	25 35	1 50	11 42	1 54	24 32	1 16	23 47	0 42	10 42	2 17	19 49	0 4	17 14	1 36	15 2	16 50	0 18	0 37	9 20		n.a.
W10	22 34	1 7	0 9	25 31	1 46	12 7	1 53	24 29	1 16	23 45	0 42	10 41	2 17	19 50	0 4	17 14	1 36	15 1	16 50	0 18	0 39	9 24		n.a.
T 11	22 41	5n46	1n 6	25 25	1 43	12 32	1 51	24 25	1 15	23 44	0 42	10 40	2 17	19 51	0 4	17 13	1 36	15 1	16 49	0 18	0 40	9 27		n.a.
F 12	22 48	12 27	2 18	25 17	1 38	12 56	1 50	24 21	1 15	23 43	0 42	10 39	2 16	19 52	0 4	17 13	1 36	15 1	16 48	0 19	0 41	9 30		n.a.
S 13	22 55	18 31	3 22	25 7	1 33	13 20	1 48	24 17	1 15	23 42	0 42	10 38	2 16	19 52	0 4	17 13	1 36	15 0	16 48	0 20	0 42	9 34		n.a.
S 14	23 1	23 31	4 12	24 56	1 28	13 44	1 46	24 13	1 15	23 40	0 42	10 38	2 16	19 53	0 4	17 12	1 36	15 0	16 47	0 23	0 44	9 37		n.a.
M15	23 7	27 0	4 46	24 44	1 22	14 8	1 44	24 9	1 15	23 39	0 42	10 37	2 16	19 54	0 4	17 12	1 36	14 59	16 47	0 27	0 45	9 40		n.a.
T 16	23 12	28 39	5 0	24 30	1 16	14 31	1 42	24 4	1 15	23 38	0 42	10 36	2 16	19 55	0 4	17 12	1 36	14 59	16 46	0 32	0 46	9 44		n.a.
W17	23 17	28 23	4 56	24 15	1 9	14 54	1 40	24 0	1 15	23 36	0 42	10 36	2 15	19 56	0 4	17 11	1 36	14 58	16 46	0 36	0 48	9 47		n.a.
T 18	23 22	26 20	4 35	23 59	1 2	15 17	1 38	23 55	1 14	23 35	0 42	10 35	2 15	19 56	0 4	17 11	1 36	14 57	16 45	0 40	0 49	9 50		n.a.
F 19	23 26	22 52	3 59	23 42	0 54	15 39	1 36	23 50	1 14	23 34	0 42	10 35	2 15	19 57	0 4	17 11	1 36	14 57	16 44	0 44	0 50	9 53		n.a.
S 20	23 30	18 22	3 11	23 24	0 46	16 1	1 34	23 44	1 14	23 32	0 42	10 34	2 15	19 58	0 4	17 10	1 36	14 56	16 44	0 46	0 51	9 57		n.a.
S 21	23 33	13 12	2 16	23 5	0 37	16 23	1 32	23 39	1 14	23 31	0 42	10 34	2 15	19 59	0 4	17 10	1 36	14 56	16 43	0 47	0 53	10 0		n.a.
M22	23 36	7 39	1 15	22 45	0 28	16 44	1 30	23 34	1 14	23 29	0 42	10 33	2 14	19 59	0 4	17 10	1 36	14 55	16 43	0 48	0 54	10 3		n.a.
T 23	23 39	1 55	0 12	22 24	0 19	17 5	1 27	23 28	1 14	23 28	0 42	10 33	2 14	20 0	0 4	17 9	1 36	14 55	16 42	0 48	0 55	10 7		n.a.
W24	23 41	3s48	0s50	22 3	0 10	17 25	1 25	23 22	1 14	23 26	0 42	10 32	2 14	20 1	0 4	17 9	1 36	14 54	16 41	0 48	0 57	10 10		n.a.
T 25	23 43	9 22	1 50	21 42	0s 0	17 45	1 23	23 16	1 13	23 25	0 42	10 32	2 14	20 2	0 4	17 9	1 36	14 53	16 41	0 49	0 58	10 13		n.a.
F 26	23 44	14 38	2 46	21 20	0 11	18 5	1 20	23 10	1 13	23 23	0 42	10 32	2 13	20 2	0 4	17 8	1 35	14 53	16 40	0 50	0 59	10 17		n.a.
S 27	23 45	19 24	3 35	20 57	0 21	18 24	1 18	23 3	1 13	23 22	0 42	10 31	2 13	20 3	0 4	17 8	1 35	14 52	16 40	0 52	1 0	10 20		n.a.
S 28	23 45	23 27	4 14	20 35	0 32	18 43	1 15	22 57	1 13	23 20	0 42	10 31	2 13	20 4	0 4	17 8	1 35	14 51	16 39	0 55	1 2	10 23		n.a.
M29	23 45	26 31	4 43	20 12	0 43	19 2	1 13	22 50	1 13	23 18	0 42	10 31	2 13	20 4	0 4	17 8	1 35	14 51	16 38	1 0	1 3	10 26		n.a.
T 30	23n45	28s21	4s58	19n50	0s54	19n19	1s10	22n43	1n12	23n17	0n42	10s30	2n12	20n 5	0s 4	17s 7	1n35	14n50	16n38	1s 5	1s 4	10s30		n.a.

Julian Day Number = 1542967.5, Delta T = 04h36m20s
Ecliptic obliquity = 23°45'24, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'14, Lahiri = -10°42'13 Julian Calendar 1 June 489 BCE == Greg. Calendar 27 May 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

JULY 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 13 34	2♋18'47	3♑ 4	29♋29	1♊25	25♋ 0	17♋50	2°R42	28♉48	22°R33	0♎54	27°R 7	27♓17	21♎43	n.a.	W 1
T 2	18 17 30	3°16'11	16° 9	0♌19	2°37	25°38	18° 2	2♏41	28°51	22♏32	0°54	26♓55	27°14	21°50	n.a.	T 2
F 3	18 21 27	4°13'36	29°28	1° 7	3°48	26°16	18°15	2°40	28°54	22°31	0°55	26°44	27°11	21°57	n.a.	F 3
S 4	18 25 24	5°11'02	12♒57	1°51	5° 0	26°54	18°28	2°39	28°57	22°30	0°55	26°36	27° 8	22° 3	n.a.	S 4
S 5	18 29 20	6° 8'30	26°36	2°31	6°12	27°32	18°41	2°38	29° 0	22°29	0°56	26°31	27° 5	22°10	n.a.	S 5
M 6	18 33 17	7° 5'59	10♓24	3° 8	7°24	28°10	18°54	2°38	29° 3	22°28	0°57	26°28	27° 2	22°17	n.a.	M 6
T 7	18 37 13	8° 3'29	24°19	3°40	8°36	28°48	19° 7	2°37	29° 6	22°27	0°57	26°D28	26°58	22°23	n.a.	T 7
W 8	18 41 10	9° 1'01	8♈21	4° 9	9°48	29°26	19°20	2°36	29° 9	22°26	0°58	26°R28	26°55	22°30	n.a.	W 8
T 9	18 45 6	9°58'35	22°30	4°32	11° 0	0♌ 4	19°33	2°36	29°12	22°25	0°59	26°27	26°52	22°37	n.a.	T 9
F 10	18 49 3	10°56'10	6♉44	4°52	12°12	0°42	19°46	2°36	29°15	22°24	1° 0	26°25	26°49	22°43	n.a.	F 10
S 11	18 52 59	11°53'47	21° 1	5° 6	13°24	1°21	19°59	2°35	29°18	22°23	1° 0	26°21	26°46	22°50	n.a.	S 11
S 12	18 56 56	12°51'26	5♊18	5°16	14°37	1°59	20°12	2°35	29°20	22°22	1° 1	26°14	26°42	22°57	n.a.	S 12
M13	19 0 53	13°49'06	19°31	5°R20	15°49	2°37	20°25	2°D35	29°23	22°21	1° 2	26° 4	26°39	23° 3	n.a.	M13
T 14	19 4 49	14°46'48	3♋35	5°19	17° 1	3°15	20°38	2°35	29°26	22°20	1° 3	25°53	26°36	23°10	n.a.	T 14
W15	19 8 46	15°44'31	17°24	5°12	18°14	3°54	20°51	2°35	29°29	22°20	1° 4	25°42	26°33	23°17	n.a.	W15
T 16	19 12 42	16°42'16	0♌55	5° 0	19°26	4°32	21° 4	2°35	29°31	22°19	1° 5	25°32	26°30	23°23	n.a.	T 16
F 17	19 16 39	17°40'02	14° 5	4°42	20°39	5°10	21°18	2°36	29°34	22°18	1° 6	25°24	26°27	23°30	n.a.	F 17
S 18	19 20 35	18°37'49	26°54	4°18	21°52	5°49	21°31	2°36	29°37	22°17	1° 7	25°18	26°23	23°37	n.a.	S 18
S 19	19 24 32	19°35'38	9♍24	3°49	23° 4	6°27	21°44	2°37	29°39	22°17	1° 8	25°15	26°20	23°43	n.a.	S 19
M20	19 28 28	20°33'28	21°36	3°14	24°17	7° 5	21°57	2°37	29°42	22°16	1° 9	25°D13	26°17	23°50	n.a.	M20
T 21	19 32 25	21°31'20	3♎36	2°34	25°30	7°44	22°10	2°38	29°44	22°15	1°10	25°13	26°14	23°57	n.a.	T 21
W22	19 36 22	22°29'12	15°28	1°50	26°43	8°22	22°23	2°39	29°47	22°15	1°11	25°14	26°11	24° 3	n.a.	W22
T 23	19 40 18	23°27'07	27°17	1° 2	27°55	9° 1	22°36	2°40	29°49	22°14	1°13	25°R14	26° 7	24°10	n.a.	T 23
F 24	19 44 15	24°25'02	9♏ 9	0°10	29° 8	9°39	22°49	2°41	29°52	22°14	1°14	25°13	26° 4	24°17	n.a.	F 24
S 25	19 48 11	25°23'00	21° 9	29♋17	0♋21	10°18	23° 2	2°42	29°54	22°13	1°15	25°10	26° 1	24°23	n.a.	S 25
S 26	19 52 8	26°20'58	3♐21	28°21	1°34	10°57	23°16	2°43	29°57	22°13	1°16	25° 4	25°58	24°30	n.a.	S 26
M27	19 56 4	27°18'58	15°49	27°26	2°48	11°35	23°29	2°44	29°59	22°12	1°18	24°57	25°55	24°37	n.a.	M27
T 28	20 0 1	28°17'00	28°35	26°31	4° 1	12°14	23°42	2°45	0♊ 1	22°12	1°19	24°48	25°52	24°43	n.a.	T 28
W29	20 3 57	29°15'04	11♑41	25°39	5°14	12°53	23°55	2°47	0° 3	22°11	1°20	24°38	25°48	24°50	n.a.	W29
T 30	20 7 54	0♌13'09	25° 6	24°49	6°27	13°31	24° 8	2°48	0° 6	22°11	1°22	24°29	25°45	24°57	n.a.	T 30
F 31	20 11 51	1♌11'16	8♒46	24♋ 4	7♋41	14♌10	24♋21	2♏50	0♊ 8	22♏11	1♎23	24♓21	25♓42	25♎ 3	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23n44	28s42	4s59	19n27	1s 6	19n37	1s 8	22n36	1n12	23n15	0n42	10s30	2n12	20n 6	0s 3	17s 7	1n35	14n49	16n37	1s10	1s 5	10s33			n.a.
T 2	23 43	27 27	4 44	19 5	1 18	19 54	1 5	22 29	1 12	23 13	0 43	10 30	2 12	20 7	0 3	17 7	1 35	14 48	16 37	1 15	1 7	10 36			n.a.
F 3	23 41	24 39	4 13	18 43	1 30	20 10	1 2	22 21	1 12	23 12	0 43	10 30	2 12	20 7	0 3	17 7	1 35	14 48	16 36	1 19	1 8	10 39			n.a.
S 4	23 39	20 28	3 28	18 22	1 42	20 26	1 0	22 14	1 12	23 10	0 43	10 30	2 11	20 8	0 3	17 6	1 35	14 47	16 35	1 22	1 9	10 43			n.a.
S 5	23 37	15 10	2 31	18 1	1 54	20 42	0 57	22 6	1 12	23 8	0 43	10 30	2 11	20 9	0 3	17 6	1 35	14 46	16 35	1 24	1 11	10 46			n.a.
M 6	23 34	9 4	1 24	17 40	2 6	20 57	0 54	21 58	1 11	23 7	0 43	10 30	2 11	20 9	0 3	17 6	1 35	14 45	16 34	1 25	1 12	10 49			n.a.
T 7	23 30	2 28	0 11	17 21	2 18	21 11	0 51	21 50	1 11	23 5	0 43	10 30	2 11	20 10	0 3	17 6	1 35	14 44	16 34	1 26	1 13	10 53			n.a.
W 8	23 27	4n19	1n 3	17 2	2 31	21 25	0 49	21 42	1 11	23 3	0 43	10 30	2 10	20 11	0 3	17 6	1 35	14 44	16 33	1 25	1 14	10 56			n.a.
T 9	23 23	10 55	2 13	16 45	2 43	21 38	0 46	21 33	1 11	23 1	0 43	10 30	2 10	20 11	0 3	17 5	1 35	14 43	16 33	1 26	1 16	10 59			n.a.
F 10	23 18	17 1	3 16	16 29	2 55	21 51	0 43	21 25	1 11	22 59	0 43	10 30	2 10	20 12	0 3	17 5	1 35	14 42	16 32	1 26	1 17	11 2			n.a.
S 11	23 13	22 13	4 7	16 14	3 7	22 3	0 40	21 16	1 10	22 57	0 43	10 30	2 10	20 13	0 3	17 5	1 35	14 41	16 31	1 28	1 18	11 6			n.a.
S 12	23 8	26 6	4 42	16 0	3 18	22 14	0 38	21 7	1 10	22 55	0 43	10 30	2 9	20 13	0 3	17 5	1 35	14 40	16 31	1 31	1 20	11 9			n.a.
M13	23 2	28 19	5 0	15 48	3 29	22 25	0 35	20 58	1 10	22 54	0 43	10 31	2 9	20 14	0 3	17 5	1 35	14 39	16 30	1 35	1 21	11 12			n.a.
T 14	22 55	28 41	4 59	15 38	3 40	22 35	0 32	20 49	1 10	22 52	0 43	10 31	2 9	20 14	0 3	17 4	1 35	14 39	16 30	1 39	1 22	11 15			n.a.
W15	22 49	27 15	4 41	15 30	3 50	22 45	0 29	20 40	1 9	22 50	0 43	10 31	2 9	20 15	0 3	17 4	1 35	14 38	16 29	1 44	1 23	11 19			n.a.
T 16	22 42	24 14	4 7	15 24	3 59	22 54	0 26	20 30	1 9	22 48	0 43	10 32	2 8	20 16	0 3	17 4	1 35	14 37	16 29	1 48	1 25	11 22			n.a.
F 17	22 34	20 1	3 20	15 20	4 8	23 2	0 23	20 20	1 9	22 46	0 43	10 32	2 8	20 16	0 3	17 4	1 34	14 36	16 28	1 51	1 26	11 25			n.a.
S 18	22 27	14 58	2 25	15 18	4 15	23 10	0 21	20 11	1 9	22 44	0 44	10 32	2 8	20 17	0 3	17 4	1 34	14 35	16 27	1 54	1 27	11 28			n.a.
S 19	22 18	9 26	1 23	15 19	4 22	23 17	0 18	20 1	1 9	22 42	0 44	10 33	2 8	20 17	0 3	17 4	1 34	14 34	16 27	1 55	1 28	11 32			n.a.
M20	22 10	3 40	0 19	15 22	4 27	23 23	0 15	19 51	1 8	22 40	0 44	10 33	2 7	20 18	0 3	17 4	1 34	14 33	16 26	1 55	1 30	11 35			n.a.
T 21	22 1	2s 8	0s45	15 28	4 30	23 29	0 12	19 40	1 8	22 38	0 44	10 34	2 7	20 19	0 3	17 4	1 34	14 32	16 26	1 55	1 31	11 38			n.a.
W22	21 51	7 48	1 46	15 36	4 32	23 34	0 9	19 30	1 8	22 35	0 44	10 34	2 7	20 19	0 3	17 3	1 34	14 31	16 25	1 55	1 32	11 41			n.a.
T 23	21 41	13 10	2 43	15 46	4 32	23 38	0 7	19 20	1 8	22 33	0 44	10 35	2 7	20 20	0 3	17 3	1 34	14 30	16 25	1 55	1 34	11 44			n.a.
F 24	21 31	18 5	3 33	15 58	4 31	23 41	0 4	19 9	1 7	22 31	0 44	10 35	2 6	20 20	0 3	17 3	1 34	14 29	16 24	1 56	1 35	11 48			n.a.
S 25	21 21	22 21	4 14	16 13	4 27	23 44	0 1	18 58	1 7	22 29	0 44	10 36	2 6	20 21	0 3	17 3	1 34	14 28	16 24	1 57	1 36	11 51			n.a.
S 26	21 10	25 44	4 44	16 29	4 22	23 47	0n 2	18 47	1 7	22 27	0 44	10 36	2 6	20 21	0 3	17 3	1 34	14 27	16 23	1 59	1 37	11 54			n.a.
M27	20 58	27 59	5 1	16 47	4 14	23 48	0 4	18 36	1 7	22 25	0 44	10 37	2 6	20 22	0 3	17 3	1 34	14 26	16 23	2 2	1 39	11 57			n.a.
T 28	20 47	28 49	5 4	17 7	4 5	23 49	0 7	18 25	1 6	22 23	0 44	10 38	2 5	20 22	0 3	17 3	1 34	14 25	16 22	2 6	1 40	12 1			n.a.
W29	20 35	28 5	4 52	17 28	3 54	23 49	0 10	18 14	1 6	22 20	0 44	10 39	2 5	20 23	0 3	17 3	1 34	14 24	16 22	2 10	1 41	12 4			n.a.
T 30	20 22	25 42	4 23	17 49	3 41	23 48	0 12	18 2	1 6	22 18	0 45	10 39	2 5	20 23	0 3	17 3	1 34	14 23	16 21	2 13	1 43	12 7			n.a.
F 31	20n10	21s49	3s39	18n11	3s27	23n47	0n15	17n50	1n 6	22n16	0n45	10s40	2n 5	20n24	0s 3	17s 3	1n34	14n22	16n21	2s16	1s44	12s10			n.a.

Julian Day Number = 1542997.5, Delta T = 04h36m19s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'10, Lahiri = -10°42'09 Julian Calendar 1 July 489 BCE == Greg. Calendar 26 June 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

AUGUST 489 BCE (-488) JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 15 47	2♌ 9'24	22♒41	23°R25	8♋54	14♌49	24♋34	2♏52	0♊10	22°R10	1♎25	24°R15	25♓39	25♎10	n.a.	S 1
S 2	20 19 44	3° 7'35	6♓45	22♋52	10° 7	15°28	24°47	2°54	0°12	22♏10	1°26	24♓12	25°36	25°17	n.a.	S 2
M 3	20 23 40	4° 5'48	20°55	22°26	11°21	16° 6	25° 0	2°56	0°14	22°10	1°28	24°D10	25°33	25°23	n.a.	M 3
T 4	20 27 37	5° 4'02	5♈ 7	22° 8	12°34	16°45	25°13	2°58	0°16	22°10	1°29	24°11	25°29	25°30	n.a.	T 4
W 5	20 31 33	6° 2'19	19°20	21°58	13°48	17°24	25°26	3° 0	0°18	22° 9	1°31	24°12	25°26	25°37	n.a.	W 5
T 6	20 35 30	7° 0'38	3♉31	21°D57	15° 2	18° 3	25°39	3° 2	0°20	22° 9	1°33	24°R12	25°23	25°43	n.a.	T 6
F 7	20 39 26	7°59'00	17°38	22° 5	16°15	18°42	25°52	3° 4	0°21	22° 9	1°34	24°12	25°20	25°50	n.a.	F 7
S 8	20 43 23	8°57'24	1♊40	22°22	17°29	19°21	26° 5	3° 7	0°23	22° 9	1°36	24°10	25°17	25°57	n.a.	S 8
S 9	20 47 20	9°55'50	15°36	22°47	18°43	20° 0	26°18	3° 9	0°25	22° 9	1°37	24° 6	25°13	26° 3	n.a.	S 9
M10	20 51 16	10°54'18	29°24	23°22	19°57	20°39	26°31	3°12	0°27	22°D 9	1°39	24° 0	25°10	26°10	n.a.	M10
T 11	20 55 13	11°52'48	13♋ 1	24° 5	21°11	21°19	26°44	3°14	0°28	22° 9	1°41	23°53	25° 7	26°17	n.a.	T 11
W12	20 59 9	12°51'21	26°25	24°56	22°25	21°58	26°57	3°17	0°30	22° 9	1°43	23°46	25° 4	26°23	n.a.	W12
T 13	21 3 6	13°49'56	9♌34	25°55	23°39	22°37	27° 9	3°20	0°32	22° 9	1°44	23°40	25° 1	26°30	n.a.	T 13
F 14	21 7 2	14°48'32	22°27	27° 1	24°53	23°16	27°22	3°23	0°33	22° 9	1°46	23°35	24°58	26°37	n.a.	F 14
S 15	21 10 59	15°47'11	5♍ 4	28°13	26° 7	23°55	27°35	3°26	0°35	22°10	1°48	23°31	24°54	26°43	n.a.	S 15
S 16	21 14 55	16°45'52	17°26	29°32	27°21	24°35	27°48	3°29	0°36	22°10	1°50	23°30	24°51	26°50	n.a.	S 16
M17	21 18 52	17°44'34	29°34	0♌56	28°35	25°14	28° 0	3°32	0°37	22°10	1°52	23°D30	24°48	26°57	n.a.	M17
T 18	21 22 48	18°43'18	11♎31	2°25	29°49	25°53	28°13	3°35	0°39	22°10	1°54	23°31	24°45	27° 3	n.a.	T 18
W19	21 26 45	19°42'05	23°22	3°58	1♌ 3	26°33	28°26	3°39	0°40	22°10	1°56	23°32	24°42	27°10	n.a.	W19
T 20	21 30 42	20°40'53	5♏11	5°34	2°18	27°12	28°38	3°42	0°41	22°11	1°58	23°34	24°39	27°17	n.a.	T 20
F 21	21 34 38	21°39'43	17° 3	7°13	3°32	27°52	28°51	3°46	0°42	22°11	2° 0	23°R35	24°35	27°23	n.a.	F 21
S 22	21 38 35	22°38'35	29° 2	8°56	4°46	28°31	29° 4	3°49	0°44	22°12	2° 2	23°35	24°32	27°30	n.a.	S 22
S 23	21 42 31	23°37'29	11♐14	10°40	6° 1	29°11	29°16	3°53	0°45	22°12	2° 4	23°34	24°29	27°37	n.a.	S 23
M24	21 46 28	24°36'24	23°43	12°25	7°15	29°50	29°28	3°57	0°46	22°12	2° 6	23°31	24°26	27°43	n.a.	M24
T 25	21 50 24	25°35'22	6♑32	14°12	8°30	0♍30	29°41	4° 0	0°47	22°13	2° 8	23°27	24°23	27°50	n.a.	T 25
W26	21 54 21	26°34'21	19°45	16° 0	9°44	1°10	29°53	4° 4	0°48	22°13	2°10	23°23	24°19	27°57	n.a.	W26
T 27	21 58 17	27°33'23	3♒21	17°48	10°59	1°49	0♌ 6	4° 8	0°48	22°14	2°12	23°19	24°16	28° 3	n.a.	T 27
F 28	22 2 14	28°32'26	17°18	19°37	12°14	2°29	0°18	4°12	0°49	22°15	2°14	23°16	24°13	28°10	n.a.	F 28
S 29	22 6 11	29°31'32	1♓34	21°26	13°28	3° 9	0°30	4°16	0°50	22°15	2°16	23°13	24°10	28°17	n.a.	S 29
S 30	22 10 7	0♍30'39	16° 4	23°15	14°43	3°49	0°42	4°21	0°51	22°16	2°18	23°12	24° 7	28°23	n.a.	S 30
M31	22 14 4	1♍29'49	0♈41	25♌ 3	15♌58	4♍29	0♌54	4♏25	0♊51	22♏16	2♎20	23°D12	24♓ 4	28♎30	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n56	16s40	2s41	18n33	3s12	23n45	0n18	17n39	1n 5	22n14	0n45	10s41	2n 4	20n24	0s 3	17s 3	1n34	14n21	16n20	2s19	1s45	12s13		n.a.
S 2	19 43	10 35	1 32	18 55	2 55	23 42	0 20	17 27	1 5	22 11	0 45	10 42	2 4	20 24	0 3	17 3	1 34	14 20	16 20	2 20	1 46	12 17		n.a.
M 3	19 29	3 55	0 18	19 16	2 37	23 39	0 23	17 15	1 5	22 9	0 45	10 43	2 4	20 25	0 3	17 3	1 34	14 19	16 19	2 21	1 48	12 20		n.a.
T 4	19 15	2n57	0n59	19 37	2 19	23 35	0 25	17 3	1 5	22 7	0 45	10 44	2 4	20 25	0 3	17 3	1 33	14 18	16 19	2 21	1 49	12 23		n.a.
W 5	19 1	9 41	2 12	19 57	2 1	23 30	0 28	16 50	1 4	22 4	0 45	10 45	2 3	20 26	0 3	17 3	1 33	14 17	16 18	2 20	1 50	12 26		n.a.
T 6	18 46	15 55	3 16	20 15	1 43	23 24	0 30	16 38	1 4	22 2	0 45	10 46	2 3	20 26	0 3	17 3	1 33	14 16	16 18	2 20	1 51	12 29		n.a.
F 7	18 31	21 17	4 8	20 32	1 24	23 18	0 33	16 26	1 4	22 0	0 45	10 47	2 3	20 27	0 3	17 3	1 33	14 15	16 17	2 20	1 53	12 32		n.a.
S 8	18 15	25 26	4 46	20 47	1 6	23 11	0 35	16 13	1 3	21 57	0 45	10 48	2 3	20 27	0 3	17 3	1 33	14 14	16 17	2 21	1 54	12 36		n.a.
S 9	18 0	28 2	5 5	21 1	0 48	23 3	0 38	16 0	1 3	21 55	0 46	10 49	2 2	20 27	0 3	17 3	1 33	14 13	16 16	2 22	1 55	12 39		n.a.
M10	17 44	28 53	5 7	21 12	0 31	22 55	0 40	15 47	1 3	21 53	0 46	10 50	2 2	20 28	0 3	17 3	1 33	14 11	16 16	2 25	1 57	12 42		n.a.
T 11	17 27	27 57	4 52	21 20	0 15	22 45	0 42	15 34	1 3	21 50	0 46	10 51	2 2	20 28	0 3	17 3	1 33	14 10	16 15	2 27	1 58	12 45		n.a.
W12	17 11	25 25	4 21	21 26	0n 1	22 36	0 44	15 21	1 2	21 48	0 46	10 52	2 2	20 28	0 3	17 3	1 33	14 9	16 15	2 30	1 59	12 48		n.a.
T 13	16 54	21 33	3 36	21 30	0 15	22 25	0 47	15 8	1 2	21 45	0 46	10 53	2 1	20 29	0 3	17 3	1 33	14 8	16 14	2 33	2 0	12 52		n.a.
F 14	16 36	16 44	2 41	21 30	0 29	22 14	0 49	14 55	1 2	21 43	0 46	10 55	2 1	20 29	0 3	17 3	1 33	14 7	16 14	2 35	2 2	12 55		n.a.
S 15	16 19	11 18	1 39	21 28	0 42	22 2	0 51	14 41	1 1	21 41	0 46	10 56	2 1	20 29	0 3	17 3	1 33	14 6	16 14	2 36	2 3	12 58		n.a.
S 16	16 1	5 32	0 33	21 23	0 53	21 50	0 53	14 28	1 1	21 38	0 46	10 57	2 1	20 30	0 3	17 4	1 33	14 5	16 13	2 37	2 4	13 1		n.a.
M17	15 43	0s20	0s33	21 15	1 4	21 37	0 55	14 14	1 1	21 36	0 46	10 58	2 0	20 30	0 3	17 4	1 33	14 4	16 13	2 37	2 6	13 4		n.a.
T 18	15 25	6 6	1 37	21 4	1 13	21 23	0 57	14 0	1 0	21 33	0 47	11 0	2 0	20 30	0 3	17 4	1 33	14 3	16 12	2 37	2 7	13 7		n.a.
W19	15 6	11 36	2 36	20 50	1 21	21 8	0 59	13 46	1 0	21 31	0 47	11 1	2 0	20 31	0 3	17 4	1 33	14 2	16 12	2 36	2 8	13 10		n.a.
T 20	14 47	16 41	3 28	20 33	1 28	20 53	1 0	13 32	1 0	21 28	0 47	11 3	2 0	20 31	0 3	17 4	1 33	14 0	16 12	2 35	2 9	13 14		n.a.
F 21	14 28	21 10	4 12	20 14	1 35	20 38	1 2	13 18	0 59	21 26	0 47	11 4	1 59	20 31	0 3	17 4	1 32	13 59	16 11	2 35	2 11	13 17		n.a.
S 22	14 9	24 51	4 45	19 52	1 40	20 21	1 4	13 4	0 59	21 23	0 47	11 5	1 59	20 31	0 3	17 4	1 32	13 58	16 11	2 35	2 12	13 20		n.a.
S 23	13 49	27 28	5 6	19 27	1 44	20 5	1 6	12 50	0 59	21 21	0 47	11 7	1 59	20 32	0 3	17 4	1 32	13 57	16 11	2 35	2 13	13 23		n.a.
M24	13 30	28 49	5 13	19 1	1 47	19 47	1 7	12 35	0 59	21 18	0 47	11 8	1 59	20 32	0 3	17 5	1 32	13 56	16 10	2 36	2 14	13 26		n.a.
T 25	13 10	28 40	5 5	18 32	1 49	19 29	1 9	12 21	0 58	21 16	0 47	11 10	1 59	20 32	0 3	17 5	1 32	13 55	16 10	2 38	2 16	13 29		n.a.
W26	12 49	26 55	4 41	18 1	1 51	19 10	1 10	12 6	0 58	21 13	0 48	11 11	1 58	20 32	0 3	17 5	1 32	13 54	16 9	2 40	2 17	13 32		n.a.
T 27	12 29	23 34	4 1	17 28	1 52	18 51	1 12	11 52	0 58	21 11	0 48	11 13	1 58	20 32	0 3	17 5	1 32	13 52	16 9	2 41	2 18	13 36		n.a.
F 28	12 8	18 47	3 5	16 54	1 52	18 31	1 13	11 37	0 57	21 8	0 48	11 15	1 58	20 33	0 3	17 5	1 32	13 51	16 9	2 43	2 20	13 39		n.a.
S 29	11 47	12 52	1 56	16 18	1 51	18 11	1 14	11 22	0 57	21 5	0 48	11 16	1 58	20 33	0 3	17 6	1 32	13 50	16 9	2 44	2 21	13 42		n.a.
S 30	11 26	6 10	0 39	15 41	1 50	17 50	1 16	11 7	0 57	21 3	0 48	11 18	1 58	20 33	0 3	17 6	1 32	13 49	16 8	2 44	2 22	13 45		n.a.
M31	11n 5	0n54	0n41	15n 3	1n48	17n29	1n17	10n52	0n56	21n 0	0n48	11s19	1n57	20n33	0s 3	17s 6	1n32	13n48	16n 8	2s44	2s23	13s48		n.a.

Julian Day Number = 1543028.5, Delta T = 04h36m17s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'06, Lahiri = -10°42'05 Julian Calendar 1 Aug. 489 BCE == Greg. Calendar 27 July 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

SEPTEMBER 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 18 0	2♍29'01	15♈19	26♌51	17♌12	5♍ 9	1♌ 7	4♏29	0♊52	22♏17	2♎22	23♓13	24♓ 0	28♎37	n.a.	T 1
W 2	22 21 57	3°28'15	29°53	28°39	18°27	5°48	1°19	4°34	0°53	22°18	2°25	23°14	23°57	28°43	n.a.	W 2
T 3	22 25 53	4°27'32	14♉18	0♍27	19°42	6°28	1°31	4°38	0°53	22°19	2°27	23°15	23°54	28°50	n.a.	T 3
F 4	22 29 50	5°26'52	28°31	2°13	20°57	7° 8	1°43	4°43	0°53	22°19	2°29	23°16	23°51	28°57	n.a.	F 4
S 5	22 33 46	6°26'14	12♊29	3°59	22°12	7°48	1°54	4°47	0°54	22°20	2°31	23°R16	23°48	29° 3	n.a.	S 5
S 6	22 37 43	7°25'38	26°13	5°45	23°27	8°29	2° 6	4°52	0°54	22°21	2°34	23°15	23°45	29°10	n.a.	S 6
M 7	22 41 40	8°25'05	9♋42	7°30	24°42	9° 9	2°18	4°57	0°55	22°22	2°36	23°14	23°41	29°17	n.a.	M 7
T 8	22 45 36	9°24'35	22°57	9°14	25°57	9°49	2°30	5° 2	0°55	22°23	2°38	23°12	23°38	29°23	n.a.	T 8
W 9	22 49 33	10°24'06	5♌57	10°57	27°12	10°29	2°41	5° 7	0°55	22°24	2°40	23°10	23°35	29°30	n.a.	W 9
T 10	22 53 29	11°23'40	18°43	12°40	28°27	11° 9	2°53	5°12	0°55	22°25	2°43	23° 9	23°32	29°37	n.a.	T 10
F 11	22 57 26	12°23'16	1♍16	14°22	29°42	11°50	3° 4	5°17	0°55	22°26	2°45	23° 7	23°29	29°43	n.a.	F 11
S 12	23 1 22	13°22'54	13°37	16° 3	0♍57	12°30	3°16	5°22	0°R55	22°27	2°47	23° 7	23°25	29°50	n.a.	S 12
S 13	23 5 19	14°22'35	25°48	17°43	2°12	13°10	3°27	5°27	0°55	22°28	2°50	23°D 7	23°22	29°57	n.a.	S 13
M14	23 9 15	15°22'17	7♎49	19°23	3°27	13°51	3°39	5°32	0°55	22°29	2°52	23° 7	23°19	0♏ 3	n.a.	M14
T 15	23 13 12	16°22'01	19°43	21° 2	4°42	14°31	3°50	5°38	0°55	22°30	2°54	23° 7	23°16	0°10	n.a.	T 15
W16	23 17 8	17°21'48	1♏32	22°41	5°57	15°12	4° 1	5°43	0°55	22°32	2°57	23° 8	23°13	0°17	n.a.	W16
T 17	23 21 5	18°21'36	13°20	24°19	7°13	15°52	4°12	5°48	0°55	22°33	2°59	23° 9	23°10	0°23	n.a.	T 17
F 18	23 25 2	19°21'26	25°11	25°56	8°28	16°33	4°23	5°54	0°54	22°34	3° 1	23° 9	23° 6	0°30	n.a.	F 18
S 19	23 28 58	20°21'18	7♐ 9	27°33	9°43	17°13	4°34	5°59	0°54	22°35	3° 4	23° 9	23° 3	0°37	n.a.	S 19
S 20	23 32 55	21°21'12	19°18	29° 9	10°58	17°54	4°45	6° 5	0°53	22°37	3° 6	23°R10	23° 0	0°43	n.a.	S 20
M21	23 36 51	22°21'08	1♑43	0♎44	12°14	18°35	4°55	6°11	0°53	22°38	3° 9	23°10	22°57	0°50	n.a.	M21
T 22	23 40 48	23°21'05	14°28	2°19	13°29	19°15	5° 6	6°16	0°53	22°39	3°11	23°D 9	22°54	0°57	n.a.	T 22
W23	23 44 44	24°21'05	27°37	3°53	14°44	19°56	5°17	6°22	0°52	22°41	3°13	23°10	22°51	1° 3	n.a.	W23
T 24	23 48 41	25°21'06	11♒12	5°27	16° 0	20°37	5°27	6°28	0°51	22°42	3°16	23°10	22°47	1°10	n.a.	T 24
F 25	23 52 37	26°21'08	25°14	7° 0	17°15	21°18	5°38	6°34	0°51	22°43	3°18	23°10	22°44	1°17	n.a.	F 25
S 26	23 56 34	27°21'13	9♓39	8°33	18°30	21°59	5°48	6°40	0°50	22°45	3°21	23°10	22°41	1°24	n.a.	S 26
S 27	0 0 31	28°21'19	24°25	10° 5	19°46	22°40	5°58	6°46	0°49	22°46	3°23	23°R10	22°38	1°30	n.a.	S 27
M28	0 4 27	29°21'27	9♈24	11°37	21° 1	23°21	6° 8	6°52	0°48	22°48	3°26	23°10	22°35	1°37	n.a.	M28
T 29	0 8 24	0♎21'37	24°28	13° 9	22°17	24° 2	6°18	6°58	0°48	22°49	3°28	23°10	22°31	1°44	n.a.	T 29
W30	0 12 20	1♎21'49	9♉27	14♎39	23♍32	24♍43	6♌28	7♏ 4	0♊47	22♏51	3♎30	23♓ 9	22♓28	1♏50	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n44	7n56	1n59	14n23	1n46	17n 7	1n18	10n37	0n56	20n58	0n48	11s21	1n57	20n33	0s 3	17s 6	1n32	13n47	16n 8	2s44	2s25	13s51		n.a.
W 2	10 22	14 31	3 9	13 43	1 43	16 45	1 19	10 22	0 55	20 55	0 49	11 23	1 57	20 33	0 3	17 7	1 32	13 46	16 7	2 43	2 26	13 54		n.a.
T 3	10 0	20 15	4 6	13 1	1 40	16 22	1 20	10 6	0 55	20 53	0 49	11 24	1 57	20 33	0 3	17 7	1 32	13 45	16 7	2 43	2 27	13 57		n.a.
F 4	9 38	24 45	4 47	12 19	1 37	15 59	1 21	9 51	0 55	20 50	0 49	11 26	1 56	20 34	0 3	17 7	1 32	13 43	16 7	2 42	2 28	14 0		n.a.
S 5	9 16	27 43	5 10	11 37	1 33	15 35	1 22	9 36	0 54	20 48	0 49	11 28	1 56	20 34	0 3	17 7	1 32	13 42	16 6	2 42	2 30	14 3		n.a.
S 6	8 54	28 58	5 16	10 54	1 28	15 11	1 23	9 20	0 54	20 45	0 49	11 30	1 56	20 34	0 3	17 8	1 32	13 41	16 6	2 43	2 31	14 7		n.a.
M 7	8 31	28 26	5 3	10 10	1 24	14 46	1 23	9 4	0 54	20 43	0 49	11 32	1 56	20 34	0 3	17 8	1 31	13 40	16 6	2 43	2 32	14 10		n.a.
T 8	8 9	26 17	4 35	9 26	1 19	14 21	1 24	8 49	0 53	20 40	0 49	11 33	1 56	20 34	0 3	17 8	1 31	13 39	16 6	2 44	2 34	14 13		n.a.
W 9	7 46	22 47	3 52	8 41	1 14	13 56	1 25	8 33	0 53	20 37	0 50	11 35	1 55	20 34	0 3	17 9	1 31	13 38	16 6	2 45	2 35	14 16		n.a.
T 10	7 23	18 15	2 59	7 57	1 8	13 30	1 25	8 17	0 53	20 35	0 50	11 37	1 55	20 34	0 3	17 9	1 31	13 37	16 5	2 45	2 36	14 19		n.a.
F 11	7 0	13 0	1 58	7 12	1 3	13 4	1 26	8 1	0 52	20 32	0 50	11 39	1 55	20 34	0 3	17 9	1 31	13 36	16 5	2 46	2 37	14 22		n.a.
S 12	6 37	7 20	0 52	6 27	0 57	12 37	1 26	7 45	0 52	20 30	0 50	11 41	1 55	20 34	0 3	17 9	1 31	13 34	16 5	2 46	2 39	14 25		n.a.
S 13	6 14	1 28	0s15	5 42	0 51	12 10	1 26	7 29	0 51	20 27	0 50	11 43	1 55	20 34	0 3	17 10	1 31	13 33	16 5	2 46	2 40	14 28		n.a.
M14	5 50	4s22	1 21	4 57	0 45	11 43	1 27	7 13	0 51	20 25	0 50	11 45	1 55	20 34	0 3	17 10	1 31	13 32	16 4	2 46	2 41	14 31		n.a.
T 15	5 27	10 0	2 22	4 11	0 39	11 15	1 27	6 57	0 51	20 22	0 51	11 47	1 54	20 34	0 3	17 11	1 31	13 31	16 4	2 46	2 42	14 34		n.a.
W16	5 3	15 15	3 18	3 26	0 32	10 47	1 27	6 41	0 50	20 20	0 51	11 49	1 54	20 34	0 3	17 11	1 31	13 30	16 4	2 46	2 44	14 37		n.a.
T 17	4 40	19 55	4 4	2 41	0 26	10 19	1 27	6 24	0 50	20 17	0 51	11 51	1 54	20 34	0 3	17 11	1 31	13 29	16 4	2 45	2 45	14 40		n.a.
F 18	4 16	23 51	4 41	1 56	0 19	9 51	1 27	6 8	0 49	20 15	0 51	11 52	1 54	20 34	0 3	17 12	1 31	13 28	16 4	2 45	2 46	14 43		n.a.
S 19	3 52	26 48	5 5	1 11	0 13	9 22	1 27	5 52	0 49	20 12	0 51	11 54	1 54	20 34	0 3	17 12	1 31	13 27	16 4	2 45	2 48	14 46		n.a.
S 20	3 28	28 35	5 17	0 26	0 6	8 53	1 27	5 35	0 49	20 10	0 52	11 57	1 54	20 34	0 3	17 12	1 31	13 26	16 3	2 45	2 49	14 49		n.a.
M21	3 4	28 59	5 14	0s18	0s 0	8 24	1 27	5 19	0 48	20 7	0 52	11 59	1 53	20 34	0 3	17 13	1 31	13 25	16 3	2 45	2 50	14 53		n.a.
T 22	2 40	27 52	4 56	1 2	0 7	7 54	1 26	5 2	0 48	20 5	0 52	12 1	1 53	20 33	0 3	17 13	1 31	13 23	16 3	2 45	2 51	14 56		n.a.
W23	2 16	25 11	4 22	1 47	0 14	7 24	1 26	4 46	0 47	20 2	0 52	12 3	1 53	20 33	0 3	17 14	1 31	13 22	16 3	2 45	2 53	14 59		n.a.
T 24	1 52	21 3	3 33	2 30	0 21	6 54	1 26	4 29	0 47	20 0	0 52	12 5	1 53	20 33	0 3	17 14	1 31	13 21	16 3	2 45	2 54	15 2		n.a.
F 25	1 28	15 37	2 29	3 14	0 27	6 24	1 25	4 12	0 47	19 58	0 52	12 7	1 53	20 33	0 3	17 14	1 30	13 20	16 3	2 45	2 55	15 5		n.a.
S 26	1 4	9 12	1 14	3 57	0 34	5 54	1 25	3 56	0 46	19 55	0 53	12 9	1 53	20 33	0 3	17 15	1 30	13 19	16 3	2 45	2 56	15 8		n.a.
S 27	0 40	2 8	0n 7	4 40	0 41	5 23	1 24	3 39	0 46	19 53	0 53	12 11	1 52	20 33	0 3	17 15	1 30	13 18	16 3	2 45	2 58	15 11		n.a.
M28	0 16	5n 8	1 29	5 23	0 47	4 53	1 23	3 22	0 45	19 51	0 53	12 13	1 52	20 33	0 3	17 16	1 30	13 17	16 3	2 45	2 59	15 14		n.a.
T 29	0s 9	12 9	2 45	6 5	0 54	4 22	1 23	3 5	0 45	19 48	0 53	12 15	1 52	20 32	0 3	17 16	1 30	13 16	16 3	2 45	3 0	15 17		n.a.
W30	0s33	18n27	3n50	6s46	1s 0	3n51	1n22	2n48	0n44	19n46	0n53	12s17	1n52	20n32	0s 3	17s17	1n30	13n15	16n 3	2s45	3s 2	15s20		n.a.

Julian Day Number = 1543059.5, Delta T = 04h36m16s
Ecliptic obliquity = 23°45'25, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°49'01, Lahiri = -10°42'01 Julian Calendar 1 Sept. 489 BCE == Greg. Calendar 27 Aug. 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

OCTOBER 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 16 17	2♎22'04	24♉15	16♎10	24♍47	25♍24	6♌38	7♏10	0°R46	22♏53	3♎33	23°R 8	22♓25	1♏57	n.a.	T 1
F 2	0 20 13	3°22'20	8♊44	17°40	26° 3	26° 5	6°48	7°16	0♊45	22°54	3°35	23♓ 7	22°22	2° 4	n.a.	F 2
S 3	0 24 10	4°22'39	22°51	19° 9	27°18	26°46	6°57	7°22	0°44	22°56	3°38	23° 6	22°19	2°10	n.a.	S 3
S 4	0 28 6	5°23'00	6♋35	20°38	28°34	27°27	7° 7	7°28	0°42	22°57	3°40	23°D 6	22°16	2°17	n.a.	S 4
M 5	0 32 3	6°23'23	19°57	22° 7	29°49	28° 8	7°16	7°35	0°41	22°59	3°43	23° 6	22°12	2°24	n.a.	M 5
T 6	0 36 0	7°23'48	2♌58	23°35	1♎ 5	28°50	7°26	7°41	0°40	23° 1	3°45	23° 7	22° 9	2°30	n.a.	T 6
W 7	0 39 56	8°24'16	15°41	25° 2	2°20	29°31	7°35	7°47	0°39	23° 3	3°48	23° 8	22° 6	2°37	n.a.	W 7
T 8	0 43 53	9°24'45	28°10	26°29	3°36	0♎13	7°44	7°54	0°38	23° 4	3°50	23°10	22° 3	2°44	n.a.	T 8
F 9	0 47 49	10°25'16	10♍26	27°55	4°52	0°54	7°53	8° 0	0°36	23° 6	3°52	23°11	22° 0	2°50	n.a.	F 9
S 10	0 51 46	11°25'48	22°32	29°21	6° 7	1°35	8° 2	8° 7	0°35	23° 8	3°55	23°R11	21°56	2°57	n.a.	S 10
S 11	0 55 42	12°26'23	4♎32	0♏46	7°23	2°17	8°11	8°13	0°33	23°10	3°57	23°11	21°53	3° 4	n.a.	S 11
M12	0 59 39	13°26'59	16°26	2°10	8°38	2°59	8°19	8°20	0°32	23°11	4° 0	23° 9	21°50	3°10	n.a.	M12
T 13	1 3 35	14°27'37	28°16	3°33	9°54	3°40	8°28	8°26	0°30	23°13	4° 2	23° 7	21°47	3°17	n.a.	T 13
W14	1 7 32	15°28'16	10♏ 5	4°56	11° 9	4°22	8°36	8°33	0°29	23°15	4° 5	23° 3	21°44	3°24	n.a.	W14
T 15	1 11 28	16°28'57	21°55	6°17	12°25	5° 3	8°44	8°40	0°27	23°17	4° 7	22°59	21°41	3°30	n.a.	T 15
F 16	1 15 25	17°29'39	3♐47	7°38	13°41	5°45	8°53	8°46	0°26	23°19	4° 9	22°55	21°37	3°37	n.a.	F 16
S 17	1 19 22	18°30'23	15°46	8°57	14°56	6°27	9° 1	8°53	0°24	23°21	4°12	22°51	21°34	3°44	n.a.	S 17
S 18	1 23 18	19°31'08	27°54	10°14	16°12	7° 9	9° 9	9° 0	0°22	23°23	4°14	22°48	21°31	3°50	n.a.	S 18
M19	1 27 15	20°31'55	10♑16	11°30	17°27	7°51	9°16	9° 7	0°20	23°25	4°16	22°46	21°28	3°57	n.a.	M19
T 20	1 31 11	21°32'42	22°55	12°44	18°43	8°32	9°24	9°13	0°18	23°27	4°19	22°D46	21°25	4° 4	n.a.	T 20
W21	1 35 8	22°33'30	5♒55	13°56	19°58	9°14	9°31	9°20	0°17	23°29	4°21	22°46	21°22	4°10	n.a.	W21
T 22	1 39 4	23°34'20	19°20	15° 6	21°14	9°56	9°39	9°27	0°15	23°31	4°24	22°48	21°18	4°17	n.a.	T 22
F 23	1 43 1	24°35'11	3♓12	16°13	22°30	10°38	9°46	9°34	0°13	23°33	4°26	22°49	21°15	4°24	n.a.	F 23
S 24	1 46 57	25°36'02	17°31	17°17	23°45	11°20	9°53	9°41	0°11	23°35	4°28	22°R50	21°12	4°31	n.a.	S 24
S 25	1 50 54	26°36'55	2♈16	18°17	25° 1	12° 3	10° 0	9°47	0° 9	23°37	4°30	22°50	21° 9	4°37	n.a.	S 25
M26	1 54 51	27°37'49	17°21	19°13	26°16	12°45	10° 7	9°54	0° 7	23°39	4°33	22°48	21° 6	4°44	n.a.	M26
T 27	1 58 47	28°38'44	2♉38	20° 5	27°32	13°27	10°13	10° 1	0° 5	23°41	4°35	22°45	21° 2	4°51	n.a.	T 27
W28	2 2 44	29°39'40	17°55	20°51	28°47	14° 9	10°20	10° 8	0° 3	23°43	4°37	22°39	20°59	4°57	n.a.	W28
T 29	2 6 40	0♏40'37	3♊ 3	21°32	0♏ 3	14°51	10°26	10°15	0° 1	23°45	4°40	22°34	20°56	5° 4	n.a.	T 29
F 30	2 10 37	1°41'36	17°51	22° 6	1°19	15°34	10°32	10°22	29♉58	23°47	4°42	22°28	20°53	5°11	n.a.	F 30
S 31	2 14 33	2♏42'37	2♋15	22♏32	2♏34	16♎16	10♌38	10♏29	29♉56	23♏50	4♎44	22♓23	20♓50	5♏17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
T 1	0s57	23n34	4n38	7s28	1s 7	3n20	1n21	2n31	0n44	19n44	0n54	12s20	1n52	20n32	0s 3	17s17	1n30	13n14	16n 3	2s46		3s 3		15s23			n.a.
F 2	1 21	27 6	5 7	8 8	1 13	2 49	1 20	2 15	0 44	19 41	0 54	12 22	1 52	20 32	0 3	17 17	1 30	13 13	16 3	2 46		3 4		15 26			n.a.
S 3	1 46	28 50	5 17	8 49	1 19	2 18	1 19	1 58	0 43	19 39	0 54	12 24	1 52	20 32	0 3	17 18	1 30	13 12	16 2	2 46		3 5		15 29			n.a.
S 4	2 10	28 43	5 8	9 29	1 25	1 46	1 18	1 41	0 43	19 37	0 54	12 26	1 51	20 31	0 3	17 18	1 30	13 11	16 2	2 47		3 7		15 32			n.a.
M 5	2 34	26 55	4 43	10 8	1 31	1 15	1 17	1 24	0 42	19 34	0 54	12 28	1 51	20 31	0 3	17 19	1 30	13 10	16 2	2 46		3 8		15 35			n.a.
T 6	2 58	23 42	4 4	10 46	1 37	0 43	1 16	1 6	0 42	19 32	0 55	12 30	1 51	20 31	0 3	17 19	1 30	13 9	16 2	2 46		3 9		15 38			n.a.
W 7	3 23	19 25	3 13	11 24	1 43	0 12	1 15	0 49	0 41	19 30	0 55	12 33	1 51	20 31	0 3	17 20	1 30	13 8	16 2	2 45		3 10		15 41			n.a.
T 8	3 47	14 22	2 14	12 1	1 48	0s20	1 14	0 32	0 41	19 28	0 55	12 35	1 51	20 30	0 3	17 20	1 30	13 7	16 2	2 45		3 12		15 44			n.a.
F 9	4 11	8 50	1 10	12 38	1 53	0 51	1 12	0 15	0 40	19 26	0 55	12 37	1 51	20 30	0 3	17 21	1 30	13 6	16 3	2 45		3 13		15 47			n.a.
S 10	4 35	3 3	0 4	13 14	1 58	1 23	1 11	0s 2	0 40	19 24	0 55	12 39	1 51	20 30	0 3	17 21	1 30	13 5	16 3	2 44		3 14		15 50			n.a.
S 11	4 59	2s46	1s 2	13 49	2 3	1 54	1 10	0 19	0 39	19 22	0 56	12 42	1 51	20 30	0 3	17 22	1 30	13 5	16 3	2 44		3 16		15 53			n.a.
M12	5 23	8 27	2 5	14 23	2 8	2 26	1 8	0 36	0 39	19 19	0 56	12 44	1 50	20 29	0 3	17 22	1 30	13 4	16 3	2 45		3 17		15 55			n.a.
T 13	5 46	13 49	3 1	14 56	2 12	2 57	1 7	0 53	0 38	19 17	0 56	12 46	1 50	20 29	0 3	17 23	1 30	13 3	16 3	2 46		3 18		15 58			n.a.
W14	6 10	18 40	3 50	15 28	2 16	3 29	1 5	1 11	0 38	19 15	0 56	12 48	1 50	20 29	0 3	17 23	1 30	13 2	16 3	2 48		3 19		16 1			n.a.
T 15	6 34	22 49	4 29	15 59	2 20	4 0	1 3	1 28	0 37	19 13	0 57	12 50	1 50	20 28	0 3	17 24	1 30	13 1	16 3	2 49		3 21		16 4			n.a.
F 16	6 57	26 2	4 57	16 29	2 23	4 31	1 2	1 45	0 37	19 11	0 57	12 53	1 50	20 28	0 3	17 24	1 30	13 0	16 3	2 51		3 22		16 7			n.a.
S 17	7 21	28 9	5 11	16 58	2 26	5 2	1 0	2 2	0 36	19 10	0 57	12 55	1 50	20 28	0 3	17 25	1 30	12 59	16 3	2 53		3 23		16 10			n.a.
S 18	7 44	28 57	5 12	17 26	2 28	5 33	0 58	2 19	0 36	19 8	0 57	12 57	1 50	20 27	0 3	17 25	1 30	12 58	16 3	2 54		3 24		16 13			n.a.
M19	8 7	28 20	4 59	17 52	2 30	6 4	0 57	2 37	0 35	19 6	0 58	12 59	1 50	20 27	0 3	17 26	1 29	12 58	16 3	2 54		3 26		16 16			n.a.
T 20	8 30	26 14	4 31	18 17	2 32	6 35	0 55	2 54	0 35	19 4	0 58	13 2	1 50	20 26	0 3	17 26	1 29	12 57	16 3	2 55		3 27		16 19			n.a.
W21	8 53	22 44	3 49	18 40	2 33	7 6	0 53	3 11	0 34	19 2	0 58	13 4	1 49	20 26	0 3	17 27	1 29	12 56	16 4	2 54		3 28		16 22			n.a.
T 22	9 16	17 57	2 53	19 1	2 33	7 36	0 51	3 28	0 34	19 0	0 58	13 6	1 49	20 26	0 3	17 27	1 29	12 55	16 4	2 54		3 29		16 25			n.a.
F 23	9 39	12 6	1 45	19 21	2 33	8 7	0 49	3 45	0 33	18 59	0 59	13 9	1 49	20 25	0 3	17 28	1 29	12 54	16 4	2 53		3 31		16 28			n.a.
S 24	10 1	5 26	0 29	19 38	2 32	8 37	0 47	4 2	0 33	18 57	0 59	13 11	1 49	20 25	0 3	17 29	1 29	12 54	16 4	2 53		3 32		16 31			n.a.
S 25	10 24	1n42	0n51	19 54	2 30	9 7	0 45	4 20	0 32	18 55	0 59	13 13	1 49	20 24	0 3	17 29	1 29	12 53	16 4	2 53		3 33		16 34			n.a.
M26	10 46	8 54	2 10	20 7	2 27	9 36	0 43	4 37	0 32	18 54	0 59	13 15	1 49	20 24	0 3	17 30	1 29	12 52	16 4	2 54		3 35		16 37			n.a.
T 27	11 8	15 40	3 20	20 18	2 24	10 6	0 41	4 54	0 31	18 52	1 0	13 18	1 49	20 24	0 3	17 30	1 29	12 51	16 5	2 55		3 36		16 39			n.a.
W28	11 30	21 29	4 16	20 26	2 19	10 35	0 39	5 11	0 31	18 51	1 0	13 20	1 49	20 23	0 3	17 31	1 29	12 51	16 5	2 57		3 37		16 42			n.a.
T 29	11 52	25 50	4 53	20 31	2 13	11 4	0 37	5 28	0 30	18 49	1 0	13 22	1 49	20 23	0 3	17 31	1 29	12 50	16 5	2 59		3 38		16 45			n.a.
F 30	12 13	28 20	5 9	20 33	2 6	11 33	0 35	5 45	0 30	18 48	1 0	13 24	1 49	20 22	0 3	17 32	1 29	12 49	16 5	3 2		3 40		16 48			n.a.
S 31	12s34	28n50	5n 6	20s32	1s58	12s 1	0n32	6s 2	0n29	18n46	1n 1	13s27	1n49	20n22	0s 3	17s32	1n29	12n49	16n 5	3s 4		3s41		16s51			n.a.

Julian Day Number = 1543089.5, Delta T = 04h36m15s
Ecliptic obliquity = 23°45'25, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'57, Lahiri = -10°41'57 Julian Calendar 1 Oct. 489 BCE == Greg. Calendar 26 Sept. 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

NOVEMBER 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 18 30	3♏43'38	16♋ 9	22♏50	3♏50	16♎58	10♌44	10♏36	29°R54	23♏52	4♎46	22°R20	20♓47	5♏24	n.a.	S 1
M 2	2 22 27	4°44'41	29°35	22°R59	5° 5	17°41	10°50	10°43	29♉52	23°54	4°48	22°D18	20°43	5°31	n.a.	M 2
T 3	2 26 23	5°45'45	12♌34	22°58	6°21	18°23	10°55	10°50	29°49	23°56	4°51	22♓18	20°40	5°37	n.a.	T 3
W 4	2 30 20	6°46'50	25°12	22°47	7°37	19° 6	11° 1	10°57	29°47	23°58	4°53	22°19	20°37	5°44	n.a.	W 4
T 5	2 34 16	7°47'57	7♍31	22°24	8°52	19°48	11° 6	11° 4	29°45	24° 0	4°55	22°21	20°34	5°51	n.a.	T 5
F 6	2 38 13	8°49'04	19°37	21°50	10° 8	20°31	11°11	11°11	29°43	24° 3	4°57	22°R22	20°31	5°57	n.a.	F 6
S 7	2 42 9	9°50'13	1♎34	21° 5	11°23	21°14	11°16	11°18	29°40	24° 5	4°59	22°21	20°28	6° 4	n.a.	S 7
S 8	2 46 6	10°51'22	13°25	20° 9	12°39	21°56	11°21	11°25	29°38	24° 7	5° 1	22°19	20°24	6°11	n.a.	S 8
M 9	2 50 2	11°52'33	25°14	19° 3	13°54	22°39	11°25	11°32	29°35	24° 9	5° 3	22°14	20°21	6°17	n.a.	M 9
T 10	2 53 59	12°53'44	7♏ 3	17°50	15°10	23°22	11°30	11°39	29°33	24°12	5° 5	22° 6	20°18	6°24	n.a.	T 10
W11	2 57 56	13°54'56	18°54	16°30	16°25	24° 5	11°34	11°46	29°30	24°14	5° 7	21°57	20°15	6°31	n.a.	W11
T 12	3 1 52	14°56'08	0♐49	15° 8	17°41	24°48	11°38	11°53	29°28	24°16	5° 9	21°46	20°12	6°38	n.a.	T 12
F 13	3 5 49	15°57'22	12°48	13°45	18°57	25°31	11°42	12° 0	29°26	24°18	5°11	21°35	20° 8	6°44	n.a.	F 13
S 14	3 9 45	16°58'35	24°53	12°25	20°12	26°13	11°45	12° 7	29°23	24°21	5°13	21°24	20° 5	6°51	n.a.	S 14
S 15	3 13 42	17°59'49	7♑ 7	11°10	21°28	26°56	11°49	12°14	29°21	24°23	5°15	21°15	20° 2	6°58	n.a.	S 15
M16	3 17 38	19° 1'04	19°31	10° 2	22°43	27°40	11°52	12°21	29°18	24°25	5°17	21° 9	19°59	7° 4	n.a.	M16
T 17	3 21 35	20° 2'18	2♒ 9	9° 3	23°59	28°23	11°55	12°28	29°15	24°27	5°19	21° 5	19°56	7°11	n.a.	T 17
W18	3 25 31	21° 3'33	15° 4	8°14	25°14	29° 6	11°58	12°35	29°13	24°30	5°21	21° 3	19°53	7°18	n.a.	W18
T 19	3 29 28	22° 4'47	28°19	7°35	26°30	29°49	12° 1	12°42	29°10	24°32	5°23	21°D 3	19°49	7°24	n.a.	T 19
F 20	3 33 25	23° 6'02	11♓58	7° 8	27°45	0♏32	12° 4	12°49	29° 8	24°34	5°25	21° 3	19°46	7°31	n.a.	F 20
S 21	3 37 21	24° 7'17	26° 2	6°51	29° 1	1°15	12° 6	12°56	29° 5	24°36	5°26	21°R 4	19°43	7°38	n.a.	S 21
S 22	3 41 18	25° 8'31	10♈31	6°D44	0♐16	1°58	12° 8	13° 3	29° 3	24°39	5°28	21° 2	19°40	7°44	n.a.	S 22
M23	3 45 14	26° 9'46	25°24	6°48	1°32	2°42	12°11	13° 9	29° 0	24°41	5°30	20°58	19°37	7°51	n.a.	M23
T 24	3 49 11	27°11'00	10♉33	7° 0	2°47	3°25	12°12	13°16	28°58	24°43	5°32	20°51	19°33	7°58	n.a.	T 24
W25	3 53 7	28°12'15	25°49	7°20	4° 2	4° 9	12°14	13°23	28°55	24°45	5°33	20°42	19°30	8° 4	n.a.	W25
T 26	3 57 4	29°13'30	11♊ 2	7°48	5°18	4°52	12°16	13°30	28°52	24°48	5°35	20°32	19°27	8°11	n.a.	T 26
F 27	4 1 1	0♐14'45	26° 0	8°22	6°33	5°35	12°17	13°37	28°50	24°50	5°37	20°21	19°24	8°18	n.a.	F 27
S 28	4 4 57	1°16'00	10♋35	9° 2	7°49	6°19	12°18	13°44	28°47	24°52	5°38	20°11	19°21	8°25	n.a.	S 28
S 29	4 8 54	2°17'16	24°41	9°48	9° 4	7° 2	12°19	13°50	28°45	24°55	5°40	20° 3	19°18	8°31	n.a.	S 29
M30	4 12 50	3♐18'31	8♌17	10♏38	10♐19	7♏46	12♌20	13♏57	28♉42	24♏57	5♎41	19♓58	19♓14	8♏38	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s56	27n28	4n44	20s28	1s48	12s29	0n30	6s19	0n29	18n45	1n 1	13s29	1n49	20n21	0s 3	17s33	1n29	12n48	16n 6	3s 5	3s42	16s54		n.a.
M 2	13 16	24 32	4 7	20 19	1 37	12 57	0 28	6 36	0 28	18 44	1 1	13 31	1 49	20 21	0 3	17 34	1 29	12 47	16 6	3 6	3 43	16 57		n.a.
T 3	13 37	20 26	3 19	20 7	1 24	13 25	0 26	6 53	0 28	18 42	1 1	13 33	1 48	20 20	0 3	17 34	1 29	12 47	16 6	3 6	3 45	17 0		n.a.
W 4	13 57	15 31	2 22	19 50	1 9	13 52	0 23	7 10	0 27	18 41	1 2	13 36	1 48	20 20	0 3	17 35	1 29	12 46	16 6	3 5	3 46	17 3		n.a.
T 5	14 18	10 5	1 20	19 29	0 54	14 19	0 21	7 26	0 26	18 40	1 2	13 38	1 48	20 19	0 3	17 35	1 29	12 45	16 7	3 5	3 47	17 5		n.a.
F 6	14 38	4 23	0 15	19 3	0 36	14 45	0 19	7 43	0 26	18 39	1 2	13 40	1 48	20 19	0 3	17 36	1 29	12 45	16 7	3 4	3 48	17 8		n.a.
S 7	14 57	1s23	0s50	18 33	0 18	15 11	0 16	8 0	0 25	18 37	1 2	13 42	1 48	20 18	0 3	17 36	1 29	12 44	16 7	3 4	3 50	17 11		n.a.
S 8	15 17	7 4	1 51	17 59	0n 2	15 37	0 14	8 17	0 25	18 36	1 3	13 45	1 48	20 18	0 3	17 37	1 29	12 44	16 7	3 5	3 51	17 14		n.a.
M 9	15 36	12 29	2 48	17 22	0 22	16 2	0 12	8 33	0 24	18 35	1 3	13 47	1 48	20 17	0 2	17 37	1 29	12 43	16 8	3 7	3 52	17 17		n.a.
T 10	15 55	17 27	3 37	16 42	0 42	16 27	0 9	8 50	0 24	18 34	1 3	13 49	1 48	20 17	0 2	17 38	1 29	12 42	16 8	3 10	3 54	17 20		n.a.
W11	16 14	21 46	4 16	16 0	1 3	16 51	0 7	9 6	0 23	18 34	1 4	13 51	1 48	20 16	0 2	17 39	1 29	12 42	16 8	3 14	3 55	17 23		n.a.
T 12	16 32	25 14	4 45	15 17	1 22	17 15	0 5	9 23	0 22	18 33	1 4	13 53	1 48	20 16	0 2	17 39	1 29	12 41	16 9	3 18	3 56	17 25		n.a.
F 13	16 50	27 37	5 1	14 35	1 41	17 39	0 2	9 39	0 22	18 32	1 4	13 56	1 48	20 15	0 2	17 40	1 29	12 41	16 9	3 23	3 57	17 28		n.a.
S 14	17 8	28 43	5 4	13 54	1 58	18 2	0s 0	9 56	0 21	18 31	1 4	13 58	1 48	20 15	0 2	17 40	1 29	12 40	16 9	3 27	3 59	17 31		n.a.
S 15	17 25	28 27	4 53	13 17	2 12	18 24	0 2	10 12	0 21	18 30	1 5	14 0	1 48	20 14	0 2	17 41	1 29	12 40	16 10	3 31	4 0	17 34		n.a.
M16	17 42	26 45	4 29	12 43	2 25	18 46	0 5	10 28	0 20	18 30	1 5	14 2	1 48	20 14	0 2	17 41	1 29	12 40	16 10	3 33	4 1	17 37		n.a.
T 17	17 59	23 41	3 50	12 15	2 36	19 8	0 7	10 44	0 19	18 29	1 5	14 4	1 48	20 13	0 2	17 42	1 29	12 39	16 10	3 35	4 2	17 39		n.a.
W18	18 16	19 23	3 0	11 51	2 44	19 29	0 10	11 0	0 19	18 28	1 5	14 6	1 48	20 13	0 2	17 43	1 29	12 39	16 11	3 36	4 4	17 42		n.a.
T 19	18 32	14 4	1 58	11 33	2 50	19 49	0 12	11 16	0 18	18 28	1 6	14 9	1 48	20 12	0 2	17 43	1 29	12 38	16 11	3 36	4 5	17 45		n.a.
F 20	18 48	7 55	0 48	11 20	2 54	20 9	0 14	11 32	0 18	18 27	1 6	14 11	1 48	20 11	0 2	17 44	1 29	12 38	16 11	3 35	4 6	17 48		n.a.
S 21	19 3	1 12	0n26	11 13	2 56	20 28	0 17	11 48	0 17	18 27	1 6	14 13	1 48	20 11	0 2	17 44	1 29	12 38	16 12	3 35	4 7	17 51		n.a.
S 22	19 18	5n47	1 42	11 10	2 57	20 47	0 19	12 4	0 16	18 27	1 7	14 15	1 48	20 10	0 2	17 45	1 29	12 37	16 12	3 36	4 9	17 53		n.a.
M23	19 33	12 37	2 52	11 12	2 56	21 5	0 21	12 19	0 16	18 26	1 7	14 17	1 48	20 10	0 2	17 45	1 29	12 37	16 12	3 38	4 10	17 56		n.a.
T 24	19 47	18 50	3 51	11 18	2 53	21 23	0 24	12 35	0 15	18 26	1 7	14 19	1 48	20 9	0 2	17 46	1 29	12 37	16 13	3 40	4 11	17 59		n.a.
W25	20 1	23 54	4 34	11 28	2 50	21 40	0 26	12 51	0 14	18 26	1 8	14 21	1 48	20 9	0 2	17 47	1 29	12 36	16 13	3 44	4 12	18 2		n.a.
T 26	20 15	27 19	4 58	11 41	2 46	21 56	0 28	13 6	0 14	18 26	1 8	14 23	1 48	20 8	0 2	17 47	1 29	12 36	16 14	3 48	4 14	18 5		n.a.
F 27	20 28	28 42	5 1	11 57	2 41	22 11	0 31	13 21	0 13	18 26	1 8	14 25	1 48	20 8	0 2	17 48	1 29	12 36	16 14	3 52	4 15	18 7		n.a.
S 28	20 41	28 2	4 43	12 15	2 35	22 26	0 33	13 36	0 12	18 26	1 8	14 27	1 48	20 7	0 2	17 48	1 29	12 35	16 15	3 56	4 16	18 10		n.a.
S 29	20 54	25 33	4 9	12 36	2 29	22 41	0 35	13 51	0 12	18 26	1 9	14 29	1 48	20 6	0 2	17 49	1 29	12 35	16 15	3 59	4 18	18 13		n.a.
M30	21s 6	21n41	3n22	12s58	2n22	22s54	0s37	14s 6	0n11	18n26	1n 9	14s31	1n48	20n 6	0s 2	17s49	1n29	12n35	16n15	4s 1	4s19	18s16		n.a.

Julian Day Number = 1543120.5, Delta T = 04h36m14s
Ecliptic obliquity = 23°45'25, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'53, Lahiri = -10°41'53 Julian Calendar 1 Nov. 489 BCE == Greg. Calendar 27 Oct. 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 489 BCE
geocentric

DECEMBER 489 BCE (-488) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 16 47	4♐19'47	21♌23	11♏33	11♐35	8♏30	12♌20	14♏ 4	28°R39	24♏59	5♎43	19°R56	19♓11	8♏45	n.a.	T 1
W 2	4 20 43	5°21'02	4♍ 3	12°32	12°50	9°13	12°20	14°11	28♉37	25° 1	5°45	19°D55	19° 8	8°51	n.a.	W 2
T 3	4 24 40	6°22'18	16°22	13°33	14° 6	9°57	12°R21	14°17	28°34	25° 4	5°46	19°R55	19° 5	8°58	n.a.	T 3
F 4	4 28 36	7°23'34	28°26	14°38	15°21	10°41	12°20	14°24	28°32	25° 6	5°47	19♓55	19° 2	9° 5	n.a.	F 4
S 5	4 32 33	8°24'49	10♎20	15°46	16°36	11°25	12°20	14°31	28°29	25° 8	5°49	19°53	18°59	9°11	n.a.	S 5
S 6	4 36 30	9°26'05	22° 9	16°55	17°52	12° 8	12°20	14°37	28°27	25°10	5°50	19°49	18°55	9°18	n.a.	S 6
M 7	4 40 26	10°27'21	3♏57	18° 7	19° 7	12°52	12°19	14°44	28°24	25°12	5°52	19°42	18°52	9°25	n.a.	M 7
T 8	4 44 23	11°28'36	15°47	19°21	20°22	13°36	12°18	14°50	28°22	25°15	5°53	19°32	18°49	9°31	n.a.	T 8
W 9	4 48 19	12°29'51	27°42	20°36	21°38	14°20	12°17	14°57	28°19	25°17	5°54	19°19	18°46	9°38	n.a.	W 9
T 10	4 52 16	13°31'06	9♐43	21°53	22°53	15° 4	12°16	15° 3	28°17	25°19	5°55	19° 5	18°43	9°45	n.a.	T 10
F 11	4 56 12	14°32'20	21°53	23°12	24° 8	15°48	12°15	15°10	28°14	25°21	5°57	18°50	18°39	9°52	n.a.	F 11
S 12	5 0 9	15°33'34	4♑10	24°31	25°24	16°32	12°13	15°16	28°12	25°23	5°58	18°35	18°36	9°58	n.a.	S 12
S 13	5 4 5	16°34'46	16°37	25°52	26°39	17°16	12°11	15°22	28° 9	25°26	5°59	18°23	18°33	10° 5	n.a.	S 13
M14	5 8 2	17°35'59	29°14	27°14	27°54	18° 0	12° 9	15°29	28° 7	25°28	6° 0	18°13	18°30	10°12	n.a.	M14
T 15	5 11 59	18°37'10	12♒ 1	28°37	29° 9	18°45	12° 7	15°35	28° 5	25°30	6° 1	18° 6	18°27	10°18	n.a.	T 15
W16	5 15 55	19°38'20	25° 1	0♐ 1	0♑25	19°29	12° 5	15°41	28° 2	25°32	6° 2	18° 3	18°24	10°25	n.a.	W16
T 17	5 19 52	20°39'30	8♓17	1°26	1°40	20°13	12° 2	15°47	28° 0	25°34	6° 3	18° 1	18°20	10°32	n.a.	T 17
F 18	5 23 48	21°40'38	21°49	2°51	2°55	20°57	11°59	15°54	27°58	25°36	6° 4	18° 1	18°17	10°38	n.a.	F 18
S 19	5 27 45	22°41'45	5♈41	4°18	4°10	21°42	11°56	16° 0	27°55	25°38	6° 5	18° 1	18°14	10°45	n.a.	S 19
S 20	5 31 41	23°42'51	19°53	5°45	5°25	22°26	11°53	16° 6	27°53	25°40	6° 6	17°59	18°11	10°52	n.a.	S 20
M21	5 35 38	24°43'55	4♉24	7°13	6°40	23°10	11°50	16°12	27°51	25°42	6° 7	17°55	18° 8	10°59	n.a.	M21
T 22	5 39 35	25°44'59	19°11	8°41	7°56	23°55	11°46	16°18	27°49	25°44	6° 8	17°48	18° 5	11° 5	n.a.	T 22
W23	5 43 31	26°46'01	4♊ 8	10°11	9°11	24°39	11°43	16°24	27°47	25°46	6° 9	17°38	18° 1	11°12	n.a.	W23
T 24	5 47 28	27°47'03	19° 5	11°41	10°26	25°24	11°39	16°29	27°44	25°48	6° 9	17°26	17°58	11°19	n.a.	T 24
F 25	5 51 24	28°48'03	3♋54	13°12	11°41	26° 8	11°35	16°35	27°42	25°50	6°10	17°14	17°55	11°25	n.a.	F 25
S 26	5 55 21	29°49'03	18°25	14°43	12°56	26°53	11°31	16°41	27°40	25°52	6°11	17° 4	17°52	11°32	n.a.	S 26
S 27	5 59 17	0♑50'01	2♌32	16°15	14°11	27°37	11°26	16°47	27°38	25°54	6°11	16°55	17°49	11°39	n.a.	S 27
M28	6 3 14	1°50'58	16°12	17°48	15°26	28°22	11°22	16°52	27°36	25°56	6°12	16°49	17°46	11°45	n.a.	M28
T 29	6 7 10	2°51'54	29°24	19°21	16°41	29° 6	11°17	16°58	27°34	25°58	6°13	16°45	17°42	11°52	n.a.	T 29
W30	6 11 7	3°52'49	12♍10	20°55	17°56	29°51	11°12	17° 3	27°32	26° 0	6°13	16°D44	17°39	11°59	n.a.	W30
T 31	6 15 4	4♑53'44	24♍35	22♐30	19♑11	0♐36	11♌ 7	17♏ 9	27♉30	26♏ 2	6♎14	16♓44	17♓36	12♏ 6	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s17	16n51	2n25	13s22	2n15	23s 7	0s39	14s21	0n11	18n26	1n 9	14s33	1n48	20n 5	0s 2	17s50	1n29	12n35	16n16	4s 2	4s20	18s18			n.a.
W 2	21 29	11 27	1 23	13 47	2 7	23 19	0 42	14 36	0 10	18 26	1 10	14 35	1 48	20 5	0 2	17 50	1 29	12 35	16 16	4 3	4 21	18 21			n.a.
T 3	21 40	5 44	0 19	14 13	2 0	23 31	0 44	14 51	0 9	18 26	1 10	14 37	1 48	20 4	0 2	17 51	1 29	12 34	16 17	4 3	4 23	18 24			n.a.
F 4	21 50	0s 3	0s45	14 40	1 52	23 42	0 46	15 5	0 9	18 27	1 10	14 39	1 48	20 4	0 2	17 51	1 29	12 34	16 17	4 3	4 24	18 27			n.a.
S 5	22 0	5 46	1 46	15 7	1 44	23 52	0 48	15 20	0 8	18 27	1 10	14 41	1 48	20 3	0 2	17 52	1 29	12 34	16 18	4 3	4 25	18 29			n.a.
S 6	22 10	11 14	2 42	15 35	1 36	24 1	0 50	15 34	0 7	18 27	1 11	14 43	1 48	20 2	0 2	17 53	1 29	12 34	16 18	4 5	4 26	18 32			n.a.
M 7	22 19	16 17	3 30	16 3	1 27	24 10	0 52	15 48	0 7	18 28	1 11	14 45	1 48	20 2	0 2	17 53	1 29	12 34	16 19	4 8	4 28	18 35			n.a.
T 8	22 27	20 45	4 10	16 32	1 19	24 18	0 54	16 2	0 6	18 28	1 11	14 47	1 48	20 1	0 2	17 54	1 29	12 34	16 19	4 12	4 29	18 38			n.a.
W 9	22 36	24 25	4 39	17 0	1 11	24 25	0 56	16 16	0 5	18 29	1 12	14 49	1 48	20 1	0 2	17 54	1 29	12 34	16 19	4 17	4 30	18 40			n.a.
T 10	22 43	27 4	4 55	17 28	1 3	24 31	0 58	16 30	0 4	18 30	1 12	14 51	1 48	20 0	0 2	17 55	1 29	12 34	16 20	4 23	4 31	18 43			n.a.
F 11	22 51	28 28	4 59	17 56	0 55	24 37	0 59	16 44	0 4	18 30	1 12	14 53	1 48	20 0	0 2	17 55	1 29	12 34	16 20	4 29	4 33	18 46			n.a.
S 12	22 58	28 30	4 48	18 24	0 46	24 42	1 1	16 57	0 3	18 31	1 13	14 55	1 48	19 59	0 2	17 56	1 29	12 34	16 21	4 34	4 34	18 48			n.a.
S 13	23 4	27 5	4 24	18 52	0 38	24 46	1 3	17 10	0 2	18 32	1 13	14 56	1 48	19 59	0 2	17 56	1 29	12 34	16 21	4 39	4 35	18 51			n.a.
M14	23 10	24 17	3 47	19 19	0 30	24 49	1 5	17 24	0 2	18 33	1 13	14 58	1 48	19 58	0 2	17 57	1 29	12 34	16 22	4 43	4 36	18 54			n.a.
T 15	23 16	20 15	2 58	19 45	0 22	24 52	1 6	17 37	0 1	18 34	1 13	15 0	1 48	19 58	0 2	17 57	1 29	12 34	16 22	4 46	4 38	18 56			n.a.
W16	23 21	15 12	1 58	20 11	0 15	24 53	1 8	17 50	0 0	18 35	1 14	15 2	1 48	19 57	0 2	17 58	1 29	12 34	16 23	4 47	4 39	18 59			n.a.
T 17	23 25	9 22	0 51	20 36	0 7	24 54	1 10	18 2	0s 0	18 36	1 14	15 4	1 48	19 57	0 2	17 58	1 29	12 34	16 23	4 48	4 40	19 2			n.a.
F 18	23 29	2 59	0n20	21 1	0s 1	24 55	1 11	18 15	0 1	18 37	1 14	15 5	1 48	19 56	0 2	17 59	1 29	12 34	16 24	4 48	4 41	19 5			n.a.
S 19	23 33	3n41	1 32	21 25	0 8	24 54	1 13	18 27	0 2	18 38	1 15	15 7	1 48	19 56	0 2	17 59	1 29	12 34	16 24	4 48	4 43	19 7			n.a.
S 20	23 36	10 20	2 40	21 48	0 15	24 53	1 14	18 40	0 3	18 39	1 15	15 9	1 48	19 55	0 2	18 0	1 29	12 34	16 25	4 49	4 44	19 10			n.a.
M21	23 39	16 35	3 39	22 10	0 23	24 51	1 16	18 52	0 3	18 40	1 15	15 10	1 48	19 55	0 2	18 0	1 29	12 34	16 25	4 50	4 45	19 13			n.a.
T 22	23 41	21 59	4 24	22 32	0 29	24 48	1 17	19 4	0 4	18 41	1 15	15 12	1 48	19 54	0 2	18 1	1 29	12 34	16 26	4 53	4 46	19 15			n.a.
W23	23 43	26 2	4 52	22 52	0 36	24 44	1 18	19 16	0 5	18 43	1 16	15 14	1 49	19 54	0 2	18 1	1 29	12 34	16 26	4 57	4 48	19 18			n.a.
T 24	23 44	28 17	5 0	23 12	0 43	24 40	1 19	19 27	0 5	18 44	1 16	15 15	1 49	19 53	0 2	18 1	1 29	12 35	16 27	5 2	4 49	19 20			n.a.
F 25	23 45	28 30	4 48	23 30	0 49	24 34	1 21	19 39	0 6	18 45	1 16	15 17	1 49	19 53	0 2	18 2	1 29	12 35	16 28	5 6	4 50	19 23			n.a.
S 26	23 45	26 43	4 17	23 47	0 55	24 28	1 22	19 50	0 7	18 47	1 16	15 18	1 49	19 52	0 2	18 2	1 29	12 35	16 28	5 11	4 51	19 26			n.a.
S 27	23 45	23 17	3 31	24 3	1 1	24 22	1 23	20 1	0 8	18 48	1 17	15 20	1 49	19 52	0 2	18 3	1 29	12 35	16 29	5 14	4 53	19 28			n.a.
M28	23 45	18 38	2 34	24 18	1 7	24 14	1 24	20 12	0 8	18 50	1 17	15 22	1 49	19 51	0 2	18 3	1 29	12 35	16 29	5 16	4 54	19 31			n.a.
T 29	23 44	13 15	1 31	24 32	1 13	24 6	1 25	20 22	0 9	18 51	1 17	15 23	1 49	19 51	0 2	18 4	1 29	12 36	16 30	5 18	4 55	19 34			n.a.
W30	23 42	7 27	0 24	24 44	1 18	23 57	1 25	20 33	0 10	18 53	1 18	15 25	1 49	19 50	0 2	18 4	1 29	12 36	16 30	5 18	4 57	19 36			n.a.
T 31	23s40	1n33	0s42	24s55	1s23	23s47	1s26	20s43	0s11	18n55	1n18	15s26	1n49	19n50	0s 2	18s 5	1n29	12n36	16n31	5s18	4s58	19s39			n.a.

Julian Day Number = 1543150.5, Delta T = 04h36m12s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'49, Lahiri = -10°41'48 Julian Calendar 1 Dec. 489 BCE == Greg. Calendar 26 Nov. 489 BCE

The year -488 astronomical counting style corresponds to year 489 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

JANUARY 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 19 0	5♉54'37	6♎42	24♐ 6	20♉26	1♐21	11°R 2	17♏14	27°R28	26♏ 4	6♎14	16°R44	17♓33	12♏12	n.a.	F 1
S 2	6 22 57	6°55'29	18°38	25°42	21°41	2° 5	10♌57	17°20	27♉27	26° 6	6°15	16♓43	17°30	12°19	n.a.	S 2
S 3	6 26 53	7°56'20	0♏28	27°19	22°56	2°50	10°51	17°25	27°25	26° 7	6°15	16°41	17°26	12°26	n.a.	S 3
M 4	6 30 50	8°57'10	12°17	28°57	24°11	3°35	10°46	17°30	27°23	26° 9	6°15	16°36	17°23	12°32	n.a.	M 4
T 5	6 34 46	9°57'59	24° 9	0♉35	25°26	4°20	10°40	17°35	27°21	26°11	6°16	16°28	17°20	12°39	n.a.	T 5
W 6	6 38 43	10°58'47	6♐ 9	2°14	26°41	5° 5	10°34	17°40	27°20	26°13	6°16	16°18	17°17	12°46	n.a.	W 6
T 7	6 42 40	11°59'33	18°18	3°55	27°55	5°50	10°28	17°45	27°18	26°14	6°16	16° 6	17°14	12°52	n.a.	T 7
F 8	6 46 36	13° 0'18	0♉38	5°35	29°10	6°35	10°22	17°50	27°16	26°16	6°17	15°53	17°11	12°59	n.a.	F 8
S 9	6 50 33	14° 1'02	13°11	7°17	0♒25	7°20	10°16	17°55	27°15	26°18	6°17	15°42	17° 7	13° 6	n.a.	S 9
S 10	6 54 29	15° 1'44	25°55	9° 0	1°40	8° 5	10° 9	18° 0	27°13	26°20	6°17	15°31	17° 4	13°13	n.a.	S 10
M11	6 58 26	16° 2'25	8♒51	10°43	2°55	8°50	10° 3	18° 5	27°12	26°21	6°17	15°23	17° 1	13°19	n.a.	M11
T 12	7 2 22	17° 3'03	21°58	12°27	4° 9	9°35	9°56	18°10	27°10	26°23	6°17	15°18	16°58	13°26	n.a.	T 12
W13	7 6 19	18° 3'40	5♓16	14°12	5°24	10°20	9°49	18°14	27° 9	26°24	6°17	15°16	16°55	13°33	n.a.	W13
T 14	7 10 15	19° 4'15	18°45	15°58	6°39	11° 5	9°42	18°19	27° 8	26°26	6°R17	15°D15	16°52	13°39	n.a.	T 14
F 15	7 14 12	20° 4'48	2♈26	17°45	7°54	11°50	9°35	18°23	27° 6	26°28	6°17	15°16	16°48	13°46	n.a.	F 15
S 16	7 18 9	21° 5'19	16°17	19°33	9° 8	12°35	9°28	18°28	27° 5	26°29	6°17	15°R17	16°45	13°53	n.a.	S 16
S 17	7 22 5	22° 5'48	0♉21	21°22	10°23	13°21	9°21	18°32	27° 4	26°30	6°17	15°16	16°42	13°59	n.a.	S 17
M18	7 26 2	23° 6'15	14°36	23°11	11°37	14° 6	9°14	18°36	27° 3	26°32	6°17	15°14	16°39	14° 6	n.a.	M18
T 19	7 29 58	24° 6'40	29° 0	25° 1	12°52	14°51	9° 7	18°40	27° 2	26°33	6°17	15°10	16°36	14°13	n.a.	T 19
W20	7 33 55	25° 7'03	13♊30	26°52	14° 6	15°36	8°59	18°44	27° 1	26°35	6°17	15° 4	16°32	14°20	n.a.	W20
T 21	7 37 51	26° 7'24	27°59	28°44	15°21	16°22	8°52	18°48	27° 0	26°36	6°16	14°56	16°29	14°26	n.a.	T 21
F 22	7 41 48	27° 7'43	12♋23	0♒37	16°35	17° 7	8°44	18°52	26°59	26°38	6°16	14°48	16°26	14°33	n.a.	F 22
S 23	7 45 44	28° 8'00	26°33	2°30	17°50	17°52	8°37	18°56	26°58	26°39	6°16	14°41	16°23	14°40	n.a.	S 23
S 24	7 49 41	29° 8'15	10♌26	4°24	19° 4	18°38	8°29	19° 0	26°57	26°40	6°15	14°35	16°20	14°46	n.a.	S 24
M25	7 53 38	0♒ 8'28	23°58	6°18	20°19	19°23	8°21	19° 4	26°56	26°41	6°15	14°31	16°17	14°53	n.a.	M25
T 26	7 57 34	1° 8'40	7♍ 7	8°12	21°33	20° 8	8°14	19° 7	26°56	26°43	6°15	14°29	16°13	15° 0	n.a.	T 26
W27	8 1 31	2° 8'49	19°54	10° 7	22°47	20°54	8° 6	19°11	26°55	26°44	6°14	14°D28	16°10	15° 6	n.a.	W27
T 28	8 5 27	3° 8'57	2♎21	12° 1	24° 2	21°39	7°58	19°14	26°54	26°45	6°14	14°30	16° 7	15°13	n.a.	T 28
F 29	8 9 24	4° 9'03	14°32	13°55	25°16	22°25	7°50	19°18	26°54	26°46	6°13	14°31	16° 4	15°20	n.a.	F 29
S 30	8 13 20	5° 9'08	26°31	15°49	26°30	23°10	7°43	19°21	26°53	26°47	6°13	14°33	16° 1	15°27	n.a.	S 30
S 31	8 17 17	6♒ 9'10	8♏24	17♒42	27♒44	23♐56	7♌35	19♏24	26♉53	26♏48	6♎12	14°R33	15♓57	15♏33	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s37	4s17	1s44	25s 5	1s28	23s37	1s27	20s53	0s11	18n56	1n18	15s28	1n49	19n49	0s 2	18s 5	1n29	12n37	16n31	5s18	4s59	19s41		n.a.
S 2	23 34	9 52	2 41	25 14	1 32	23 26	1 28	21 3	0 12	18 58	1 18	15 29	1 49	19 49	0 2	18 5	1 29	12 37	16 32	5 19	5 0	19 44		n.a.
S 3	23 31	15 3	3 30	25 20	1 37	23 14	1 28	21 13	0 13	19 0	1 19	15 30	1 49	19 49	0 2	18 6	1 29	12 37	16 32	5 20	5 2	19 47		n.a.
M 4	23 27	19 41	4 11	25 26	1 41	23 1	1 29	21 22	0 14	19 2	1 19	15 32	1 49	19 48	0 2	18 6	1 29	12 38	16 33	5 22	5 3	19 49		n.a.
T 5	23 23	23 35	4 40	25 30	1 44	22 48	1 29	21 32	0 14	19 4	1 19	15 33	1 50	19 48	0 2	18 7	1 29	12 38	16 33	5 25	5 4	19 52		n.a.
W 6	23 18	26 30	4 58	25 32	1 48	22 34	1 30	21 41	0 15	19 5	1 19	15 35	1 50	19 48	0 2	18 7	1 29	12 38	16 34	5 29	5 5	19 54		n.a.
T 7	23 12	28 15	5 2	25 32	1 51	22 19	1 30	21 50	0 16	19 7	1 19	15 36	1 50	19 47	0 2	18 7	1 29	12 39	16 34	5 33	5 7	19 57		n.a.
F 8	23 7	28 38	4 53	25 31	1 53	22 4	1 31	21 58	0 17	19 9	1 20	15 37	1 50	19 47	0 2	18 8	1 29	12 39	16 35	5 38	5 8	20 0		n.a.
S 9	23 0	27 33	4 29	25 29	1 56	21 48	1 31	22 7	0 18	19 11	1 20	15 38	1 50	19 46	0 2	18 8	1 29	12 39	16 36	5 43	5 9	20 2		n.a.
S 10	22 54	25 2	3 51	25 24	1 58	21 32	1 31	22 15	0 18	19 13	1 20	15 40	1 50	19 46	0 2	18 8	1 29	12 40	16 36	5 47	5 10	20 5		n.a.
M11	22 47	21 12	3 1	25 18	1 59	21 15	1 31	22 23	0 19	19 15	1 20	15 41	1 50	19 46	0 2	18 9	1 29	12 40	16 37	5 50	5 12	20 7		n.a.
T 12	22 39	16 16	2 1	25 10	2 0	20 57	1 31	22 31	0 20	19 17	1 21	15 42	1 50	19 45	0 2	18 9	1 29	12 41	16 37	5 52	5 13	20 10		n.a.
W13	22 31	10 31	0 53	25 0	2 1	20 38	1 31	22 38	0 21	19 19	1 21	15 43	1 50	19 45	0 2	18 10	1 29	12 41	16 38	5 53	5 14	20 12		n.a.
T 14	22 23	4 13	0n19	24 48	2 1	20 19	1 31	22 45	0 21	19 21	1 21	15 45	1 50	19 45	0 2	18 10	1 29	12 42	16 38	5 53	5 15	20 15		n.a.
F 15	22 14	2n22	1 31	24 34	2 1	20 0	1 31	22 52	0 22	19 23	1 21	15 46	1 50	19 45	0 2	18 10	1 29	12 42	16 39	5 53	5 17	20 17		n.a.
S 16	22 5	8 55	2 38	24 18	2 1	19 40	1 31	22 59	0 23	19 25	1 21	15 47	1 51	19 44	0 2	18 11	1 30	12 43	16 39	5 53	5 18	20 20		n.a.
S 17	21 55	15 8	3 38	24 0	2 0	19 19	1 30	23 6	0 24	19 28	1 22	15 48	1 51	19 44	0 2	18 11	1 30	12 43	16 40	5 53	5 19	20 22		n.a.
M18	21 45	20 38	4 24	23 40	1 58	18 58	1 30	23 12	0 25	19 30	1 22	15 49	1 51	19 44	0 2	18 11	1 30	12 44	16 40	5 53	5 20	20 25		n.a.
T 19	21 34	24 59	4 55	23 18	1 56	18 36	1 29	23 18	0 25	19 32	1 22	15 50	1 51	19 44	0 2	18 11	1 30	12 44	16 41	5 55	5 22	20 27		n.a.
W20	21 24	27 47	5 6	22 55	1 53	18 14	1 29	23 24	0 26	19 34	1 22	15 51	1 51	19 43	0 2	18 12	1 30	12 45	16 41	5 58	5 23	20 30		n.a.
T 21	21 12	28 43	4 59	22 29	1 50	17 51	1 28	23 30	0 27	19 36	1 22	15 52	1 51	19 43	0 2	18 12	1 30	12 45	16 42	6 1	5 24	20 32		n.a.
F 22	21 1	27 41	4 32	22 1	1 46	17 28	1 28	23 35	0 28	19 38	1 22	15 53	1 51	19 43	0 2	18 12	1 30	12 46	16 42	6 4	5 25	20 35		n.a.
S 23	20 49	24 52	3 49	21 31	1 42	17 4	1 27	23 40	0 29	19 40	1 23	15 54	1 51	19 43	0 2	18 13	1 30	12 47	16 43	6 7	5 27	20 37		n.a.
S 24	20 36	20 38	2 53	20 59	1 37	16 40	1 26	23 45	0 29	19 43	1 23	15 55	1 51	19 43	0 2	18 13	1 30	12 47	16 43	6 9	5 28	20 40		n.a.
M25	20 23	15 25	1 49	20 25	1 31	16 15	1 25	23 50	0 30	19 45	1 23	15 56	1 52	19 42	0 2	18 13	1 30	12 48	16 44	6 11	5 29	20 42		n.a.
T 26	20 10	9 38	0 40	19 49	1 25	15 50	1 24	23 54	0 31	19 47	1 23	15 57	1 52	19 42	0 2	18 13	1 30	12 48	16 44	6 11	5 30	20 45		n.a.
W27	19 57	3 36	0s29	19 12	1 18	15 25	1 23	23 58	0 32	19 49	1 23	15 58	1 52	19 42	0 2	18 14	1 30	12 49	16 45	6 11	5 32	20 47		n.a.
T 28	19 43	2s24	1 35	18 32	1 10	14 59	1 22	24 2	0 33	19 51	1 23	15 58	1 52	19 42	0 2	18 14	1 30	12 50	16 45	6 11	5 33	20 50		n.a.
F 29	19 28	8 11	2 36	17 51	1 2	14 33	1 21	24 6	0 33	19 53	1 23	15 59	1 52	19 42	0 2	18 14	1 30	12 50	16 46	6 10	5 34	20 52		n.a.
S 30	19 14	13 35	3 28	17 9	0 53	14 6	1 20	24 9	0 34	19 56	1 23	16 0	1 52	19 42	0 2	18 14	1 30	12 51	16 46	6 10	5 35	20 55		n.a.
S 31	18s59	18s27	4s11	16s25	0s43	13s39	1s19	24s12	0s35	19n58	1n24	16s 1	1n52	19n42	0s 2	18s14	1n30	12n52	16n47	6s10	5s37	20s57		n.a.

Julian Day Number = 1543181.5, Delta T = 04h36m11s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'45, Lahiri = -10°41'44 Julian Calendar 1 Jan. 488 BCE == Greg. Calendar 27 Dec. 489 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

FEBRUARY 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 21 13	7♒ 9'11	20♏15	19♒33	28♒58	24♐41	7°R27	19♏27	26°R52	26♏49	6°R11	14°R32	15♓54	15♏40	n.a.	M 1
T 2	8 25 10	8° 9'10	2♐ 9	21°23	0♓12	25°27	7♌19	19°30	26♉52	26°50	6♎11	14♓29	15°51	15°47	n.a.	T 2
W 3	8 29 7	9° 9'08	14°11	23°11	1°27	26°13	7°11	19°33	26°52	26°51	6°10	14°25	15°48	15°53	n.a.	W 3
T 4	8 33 3	10° 9'04	26°25	24°56	2°41	26°58	7° 3	19°36	26°51	26°52	6° 9	14°20	15°45	16° 0	n.a.	T 4
F 5	8 37 0	11° 8'58	8♑54	26°38	3°55	27°44	6°56	19°39	26°51	26°53	6° 9	14°14	15°42	16° 7	n.a.	F 5
S 6	8 40 56	12° 8'49	21°38	28°17	5° 9	28°29	6°48	19°41	26°51	26°54	6° 8	14° 8	15°38	16°14	n.a.	S 6
S 7	8 44 53	13° 8'39	4♒39	29°52	6°23	29°15	6°40	19°44	26°51	26°55	6° 7	14° 3	15°35	16°20	n.a.	S 7
M 8	8 48 49	14° 8'27	17°55	1♓22	7°36	0♑ 1	6°32	19°46	26°51	26°56	6° 6	13°59	15°32	16°27	n.a.	M 8
T 9	8 52 46	15° 8'13	1♓27	2°47	8°50	0°46	6°25	19°49	26°D51	26°57	6° 5	13°57	15°29	16°34	n.a.	T 9
W10	8 56 42	16° 7'56	15°10	4° 7	10° 4	1°32	6°17	19°51	26°51	26°58	6° 5	13°D57	15°26	16°40	n.a.	W10
T 11	9 0 39	17° 7'37	29° 4	5°21	11°18	2°18	6° 9	19°53	26°51	26°58	6° 4	13°57	15°23	16°47	n.a.	T 11
F 12	9 4 35	18° 7'16	13♈ 5	6°28	12°32	3° 3	6° 2	19°55	26°51	26°59	6° 3	13°59	15°19	16°54	n.a.	F 12
S 13	9 8 32	19° 6'53	27°12	7°28	13°45	3°49	5°54	19°57	26°51	27° 0	6° 2	14° 0	15°16	17° 0	n.a.	S 13
S 14	9 12 29	20° 6'27	11♉22	8°22	14°59	4°35	5°47	19°59	26°52	27° 0	6° 1	14° 1	15°13	17° 7	n.a.	S 14
M15	9 16 25	21° 5'58	25°34	9° 7	16°13	5°21	5°39	20° 1	26°52	27° 1	6° 0	14°R 1	15°10	17°14	n.a.	M15
T 16	9 20 22	22° 5'27	9♊44	9°45	17°26	6° 6	5°32	20° 3	26°52	27° 2	5°59	14° 0	15° 7	17°21	n.a.	T 16
W17	9 24 18	23° 4'54	23°52	10°16	18°40	6°52	5°25	20° 4	26°53	27° 2	5°57	13°59	15° 3	17°27	n.a.	W17
T 18	9 28 15	24° 4'19	7♋54	10°38	19°53	7°38	5°18	20° 6	26°53	27° 3	5°56	13°56	15° 0	17°34	n.a.	T 18
F 19	9 32 11	25° 3'41	21°48	10°52	21° 7	8°24	5°11	20° 7	26°54	27° 3	5°55	13°53	14°57	17°41	n.a.	F 19
S 20	9 36 8	26° 3'00	5♌30	10°R59	22°20	9° 9	5° 4	20° 9	26°54	27° 4	5°54	13°51	14°54	17°47	n.a.	S 20
S 21	9 40 4	27° 2'18	18°58	10°57	23°33	9°55	4°57	20°10	26°55	27° 4	5°53	13°49	14°51	17°54	n.a.	S 21
M22	9 44 1	28° 1'33	2♍11	10°49	24°47	10°41	4°50	20°11	26°56	27° 4	5°52	13°48	14°48	18° 1	n.a.	M22
T 23	9 47 58	29° 0'46	15° 6	10°33	26° 0	11°27	4°44	20°12	26°56	27° 5	5°50	13°D47	14°44	18° 8	n.a.	T 23
W24	9 51 54	29°59'56	27°45	10°10	27°13	12°13	4°37	20°13	26°57	27° 5	5°49	13°48	14°41	18°14	n.a.	W24
T 25	9 55 51	0♓59'05	10♎ 9	9°41	28°26	12°58	4°31	20°14	26°58	27° 5	5°48	13°49	14°38	18°21	n.a.	T 25
F 26	9 59 47	1°58'12	22°19	9° 7	29°39	13°44	4°24	20°15	26°59	27° 6	5°47	13°50	14°35	18°28	n.a.	F 26
S 27	10 3 44	2°57'17	4♏19	8°28	0♈52	14°30	4°18	20°15	27° 0	27° 6	5°45	13°51	14°32	18°34	n.a.	S 27
S 28	10 7 40	3♓56'20	16♏13	7♓45	2♈ 5	15♑16	4♌12	20♏16	27♉ 1	27♏ 6	5♎44	13♓52	14♓29	18♏41	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s44	22s35	4s44	15s40	0s33	13s12	1s18	24s15	0s36	20n 0	1n24	16s 1	1n52	19n41	0s 2	18s15	1n30	12n52	16n47	6s10	5s38	21s 0		n.a.
T 2	18 28	25 49	5 4	14 55	0 22	12 44	1 16	24 17	0 37	20 2	1 24	16 2	1 53	19 41	0 2	18 15	1 30	12 53	16 48	6 11	5 39	21 2		n.a.
W 3	18 12	27 57	5 11	14 8	0 11	12 16	1 15	24 20	0 38	20 4	1 24	16 3	1 53	19 41	0 2	18 15	1 30	12 54	16 48	6 13	5 40	21 5		n.a.
T 4	17 56	28 46	5 4	13 22	0n 1	11 48	1 13	24 22	0 38	20 6	1 24	16 3	1 53	19 41	0 2	18 15	1 30	12 54	16 49	6 15	5 42	21 7		n.a.
F 5	17 40	28 9	4 43	12 35	0 14	11 19	1 12	24 23	0 39	20 8	1 24	16 4	1 53	19 41	0 2	18 15	1 30	12 55	16 49	6 17	5 43	21 9		n.a.
S 6	17 23	26 4	4 7	11 48	0 27	10 50	1 10	24 25	0 40	20 10	1 24	16 5	1 53	19 41	0 2	18 16	1 30	12 56	16 50	6 19	5 44	21 12		n.a.
S 7	17 6	22 34	3 18	11 3	0 40	10 21	1 8	24 26	0 41	20 12	1 24	16 5	1 53	19 41	0 2	18 16	1 30	12 56	16 50	6 21	5 45	21 14		n.a.
M 8	16 48	17 50	2 18	10 18	0 54	9 51	1 7	24 27	0 42	20 14	1 24	16 6	1 53	19 41	0 2	18 16	1 30	12 57	16 50	6 23	5 47	21 17		n.a.
T 9	16 31	12 9	1 8	9 34	1 8	9 22	1 5	24 28	0 42	20 16	1 24	16 6	1 53	19 41	0 1	18 16	1 30	12 58	16 51	6 24	5 48	21 19		n.a.
W10	16 13	5 49	0n 7	8 52	1 22	8 52	1 3	24 28	0 43	20 18	1 24	16 7	1 54	19 41	0 1	18 16	1 30	12 59	16 51	6 24	5 49	21 21		n.a.
T 11	15 54	0n53	1 22	8 12	1 36	8 21	1 1	24 28	0 44	20 20	1 24	16 7	1 54	19 41	0 1	18 16	1 31	12 59	16 52	6 24	5 50	21 24		n.a.
F 12	15 36	7 35	2 33	7 34	1 49	7 51	0 59	24 28	0 45	20 22	1 24	16 8	1 54	19 41	0 1	18 16	1 31	13 0	16 52	6 23	5 52	21 26		n.a.
S 13	15 17	13 57	3 36	6 59	2 3	7 21	0 57	24 28	0 46	20 24	1 24	16 8	1 54	19 41	0 1	18 17	1 31	13 1	16 53	6 22	5 53	21 29		n.a.
S 14	14 58	19 38	4 25	6 27	2 16	6 50	0 55	24 27	0 47	20 26	1 24	16 8	1 54	19 41	0 1	18 17	1 31	13 2	16 53	6 22	5 54	21 31		n.a.
M15	14 39	24 13	4 58	5 58	2 29	6 19	0 53	24 26	0 47	20 28	1 24	16 9	1 54	19 42	0 1	18 17	1 31	13 2	16 53	6 22	5 55	21 33		n.a.
T 16	14 20	27 22	5 14	5 32	2 41	5 48	0 50	24 25	0 48	20 30	1 24	16 9	1 54	19 42	0 1	18 17	1 31	13 3	16 54	6 22	5 56	21 36		n.a.
W17	14 0	28 46	5 10	5 10	2 52	5 17	0 48	24 23	0 49	20 32	1 24	16 9	1 55	19 42	0 1	18 17	1 31	13 4	16 54	6 23	5 58	21 38		n.a.
T 18	13 40	28 18	4 48	4 52	3 2	4 45	0 46	24 22	0 50	20 33	1 24	16 10	1 55	19 42	0 1	18 17	1 31	13 5	16 54	6 24	5 59	21 40		n.a.
F 19	13 20	26 3	4 9	4 38	3 12	4 14	0 43	24 20	0 51	20 35	1 24	16 10	1 55	19 42	0 1	18 17	1 31	13 6	16 55	6 25	6 0	21 43		n.a.
S 20	13 0	22 18	3 16	4 28	3 20	3 42	0 41	24 17	0 51	20 37	1 24	16 10	1 55	19 42	0 1	18 17	1 31	13 6	16 55	6 26	6 1	21 45		n.a.
S 21	12 40	17 26	2 13	4 22	3 27	3 11	0 39	24 15	0 52	20 39	1 24	16 10	1 55	19 42	0 1	18 17	1 31	13 7	16 55	6 27	6 3	21 47		n.a.
M22	12 19	11 50	1 4	4 21	3 32	2 39	0 36	24 12	0 53	20 40	1 24	16 11	1 55	19 42	0 1	18 17	1 31	13 8	16 56	6 27	6 4	21 50		n.a.
T 23	11 58	5 50	0s 7	4 23	3 36	2 7	0 34	24 9	0 54	20 42	1 24	16 11	1 55	19 43	0 1	18 17	1 31	13 9	16 56	6 27	6 5	21 52		n.a.
W24	11 37	0s16	1 16	4 29	3 39	1 36	0 31	24 6	0 55	20 43	1 24	16 11	1 55	19 43	0 1	18 17	1 31	13 9	16 56	6 27	6 6	21 54		n.a.
T 25	11 16	6 13	2 21	4 40	3 39	1 4	0 28	24 2	0 56	20 45	1 24	16 11	1 56	19 43	0 1	18 17	1 31	13 10	16 57	6 27	6 8	21 57		n.a.
F 26	10 55	11 50	3 17	4 53	3 38	0 32	0 26	23 58	0 56	20 46	1 24	16 11	1 56	19 43	0 1	18 17	1 31	13 11	16 57	6 26	6 9	21 59		n.a.
S 27	10 33	16 57	4 4	5 11	3 35	0 0	0 23	23 54	0 57	20 48	1 24	16 11	1 56	19 44	0 1	18 17	1 31	13 12	16 57	6 26	6 10	22 1		n.a.
S 28	10s12	21s23	4s41	5s31	3n31	0n32	0s20	23s50	0s58	20n49	1n24	16s11	1n56	19n44	0s 1	18s17	1n31	13n13	16n58	6s26	6s11	22s 4		n.a.

Julian Day Number = 1543212.5, Delta T = 04h36m10s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'40, Lahiri = -10°41'40 Julian Calendar 1 Feb. 488 BCE == Greg. Calendar 27 Jan. 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

MARCH 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 11 37	4♓55'21	28♏ 5	7°R 0	3♈18	16♑ 2	4°R 6	20♏16	27♉ 2	27♏ 6	5°R43	13♓52	14♓25	18♏48	n.a.	M 1
T 2	10 15 33	5°54'20	10♐ 1	6♓12	4°31	16°48	4♌ 1	20°17	27° 3	27° 6	5♎41	13°R52	14°22	18°55	n.a.	T 2
W 3	10 19 30	6°53'17	22° 3	5°24	5°44	17°33	3°55	20°17	27° 4	27° 6	5°40	13°52	14°19	19° 1	n.a.	W 3
T 4	10 23 27	7°52'13	4♑18	4°35	6°57	18°19	3°49	20°17	27° 5	27° 6	5°38	13°52	14°16	19° 8	n.a.	T 4
F 5	10 27 23	8°51'07	16°48	3°48	8° 9	19° 5	3°44	20°R17	27° 7	27°R 6	5°37	13°51	14°13	19°15	n.a.	F 5
S 6	10 31 20	9°49'58	29°38	3° 2	9°22	19°51	3°39	20°17	27° 8	27° 6	5°35	13°50	14° 9	19°21	n.a.	S 6
S 7	10 35 16	10°48'48	12♒48	2°19	10°34	20°37	3°34	20°17	27° 9	27° 6	5°34	13°50	14° 6	19°28	n.a.	S 7
M 8	10 39 13	11°47'36	26°20	1°38	11°47	21°22	3°29	20°17	27°11	27° 6	5°32	13°50	14° 3	19°35	n.a.	M 8
T 9	10 43 9	12°46'22	10♓12	1° 2	12°59	22° 8	3°24	20°16	27°12	27° 6	5°31	13°D50	14° 0	19°41	n.a.	T 9
W10	10 47 6	13°45'05	24°21	0°30	14°12	22°54	3°20	20°16	27°14	27° 6	5°29	13°R50	13°57	19°48	n.a.	W10
T 11	10 51 2	14°43'47	8♈42	0° 3	15°24	23°40	3°15	20°16	27°15	27° 6	5°28	13°50	13°54	19°55	n.a.	T 11
F 12	10 54 59	15°42'26	23°12	29♒40	16°37	24°26	3°11	20°15	27°17	27° 5	5°26	13°49	13°50	20° 2	n.a.	F 12
S 13	10 58 55	16°41'03	7♉43	29°23	17°49	25°11	3° 7	20°14	27°18	27° 5	5°25	13°49	13°47	20° 8	n.a.	S 13
S 14	11 2 52	17°39'38	22°11	29°11	19° 1	25°57	3° 3	20°13	27°20	27° 5	5°23	13°49	13°44	20°15	n.a.	S 14
M15	11 6 49	18°38'10	6♊32	29° 4	20°13	26°43	2°59	20°12	27°22	27° 5	5°22	13°49	13°41	20°22	n.a.	M15
T 16	11 10 45	19°36'41	20°42	29°D 2	21°25	27°29	2°56	20°11	27°24	27° 4	5°20	13°D49	13°38	20°28	n.a.	T 16
W17	11 14 42	20°35'09	4♋40	29° 5	22°37	28°14	2°52	20°10	27°25	27° 4	5°18	13°49	13°35	20°35	n.a.	W17
T 18	11 18 38	21°33'35	18°24	29°14	23°49	29° 0	2°49	20° 9	27°27	27° 4	5°17	13°49	13°31	20°42	n.a.	T 18
F 19	11 22 35	22°31'58	1♌55	29°27	25° 1	29°46	2°46	20° 8	27°29	27° 3	5°15	13°50	13°28	20°49	n.a.	F 19
S 20	11 26 31	23°30'19	15°11	29°45	26°13	0♒31	2°43	20° 6	27°31	27° 3	5°14	13°51	13°25	20°55	n.a.	S 20
S 21	11 30 28	24°28'38	28°14	0♓ 8	27°24	1°17	2°40	20° 5	27°33	27° 2	5°12	13°51	13°22	21° 2	n.a.	S 21
M22	11 34 24	25°26'55	11♍ 3	0°35	28°36	2° 3	2°38	20° 3	27°35	27° 2	5°10	13°R52	13°19	21° 9	n.a.	M22
T 23	11 38 21	26°25'10	23°40	1° 6	29°47	2°48	2°36	20° 2	27°37	27° 1	5° 9	13°52	13°15	21°15	n.a.	T 23
W24	11 42 18	27°23'23	6♎ 6	1°42	0♉59	3°34	2°33	20° 0	27°40	27° 0	5° 7	13°51	13°12	21°22	n.a.	W24
T 25	11 46 14	28°21'34	18°20	2°21	2°10	4°20	2°31	19°58	27°42	27° 0	5° 5	13°49	13° 9	21°29	n.a.	T 25
F 26	11 50 11	29°19'43	0♏25	3° 4	3°22	5° 5	2°30	19°56	27°44	26°59	5° 4	13°47	13° 6	21°36	n.a.	F 26
S 27	11 54 7	0♈17'51	12°23	3°50	4°33	5°51	2°28	19°54	27°46	26°58	5° 2	13°45	13° 3	21°42	n.a.	S 27
S 28	11 58 4	1°15'57	24°17	4°40	5°44	6°36	2°27	19°52	27°48	26°58	5° 0	13°42	13° 0	21°49	n.a.	S 28
M29	12 2 0	2°14'02	6♐ 9	5°34	6°55	7°22	2°25	19°50	27°51	26°57	4°58	13°40	12°56	21°56	n.a.	M29
T 30	12 5 57	3°12'05	18° 4	6°30	8° 6	8° 7	2°24	19°48	27°53	26°56	4°57	13°38	12°53	22° 2	n.a.	T 30
W31	12 9 53	4♈10'06	0♑ 5	7♓30	9♉17	8♒53	2♌23	19♏46	27♉56	26♏56	4♎55	13°D37	12♓50	22♏ 9	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9s50	24s56	5s 5	5s54	3n25	1n 4	0s18	23s45	0s59	20n51	1n24	16s11	1n56	19n44	0s 1	18s17	1n31	13n13	16n58	6s26	6s13	22s 6		n.a.
T 2	9 28	27 27	5 16	6 19	3 17	1 36	0 15	23 40	1 0	20 52	1 24	16 11	1 56	19 44	0 1	18 17	1 31	13 14	16 58	6 25	6 14	22 8		n.a.
W 3	9 6	28 44	5 13	6 45	3 7	2 7	0 12	23 35	1 0	20 53	1 24	16 11	1 56	19 45	0 1	18 17	1 31	13 15	16 59	6 26	6 15	22 10		n.a.
T 4	8 44	28 38	4 57	7 13	2 56	2 39	0 9	23 30	1 1	20 54	1 24	16 11	1 57	19 45	0 1	18 17	1 31	13 16	16 59	6 26	6 16	22 13		n.a.
F 5	8 21	27 5	4 26	7 42	2 44	3 11	0 6	23 24	1 2	20 56	1 24	16 11	1 57	19 45	0 1	18 17	1 31	13 17	16 59	6 26	6 18	22 15		n.a.
S 6	7 59	24 6	3 41	8 11	2 31	3 43	0 3	23 18	1 3	20 57	1 24	16 11	1 57	19 45	0 1	18 17	1 32	13 17	16 59	6 26	6 19	22 17		n.a.
S 7	7 36	19 48	2 44	8 40	2 17	4 14	0 0	23 12	1 4	20 58	1 23	16 11	1 57	19 46	0 1	18 17	1 32	13 18	16 59	6 26	6 20	22 19		n.a.
M 8	7 14	14 24	1 36	9 8	2 2	4 46	0n 3	23 5	1 4	20 59	1 23	16 10	1 57	19 46	0 1	18 17	1 32	13 19	17 0	6 27	6 21	22 22		n.a.
T 9	6 51	8 9	0 20	9 35	1 47	5 17	0 6	22 59	1 5	21 0	1 23	16 10	1 57	19 46	0 1	18 17	1 32	13 20	17 0	6 27	6 23	22 24		n.a.
W10	6 28	1 23	0n58	10 1	1 31	5 48	0 9	22 52	1 6	21 1	1 23	16 10	1 57	19 47	0 1	18 17	1 32	13 21	17 0	6 27	6 24	22 26		n.a.
T 11	6 5	5n32	2 14	10 26	1 15	6 19	0 12	22 45	1 7	21 2	1 23	16 10	1 57	19 47	0 1	18 17	1 32	13 21	17 0	6 27	6 25	22 28		n.a.
F 12	5 42	12 14	3 21	10 49	1 0	6 50	0 15	22 37	1 7	21 3	1 23	16 9	1 58	19 48	0 1	18 17	1 32	13 22	17 0	6 27	6 26	22 31		n.a.
S 13	5 19	18 18	4 16	11 9	0 44	7 21	0 18	22 30	1 8	21 4	1 23	16 9	1 58	19 48	0 1	18 17	1 32	13 23	17 1	6 27	6 28	22 33		n.a.
S 14	4 56	23 18	4 55	11 28	0 28	7 52	0 21	22 22	1 9	21 5	1 23	16 9	1 58	19 48	0 1	18 17	1 32	13 24	17 1	6 27	6 29	22 35		n.a.
M15	4 33	26 51	5 14	11 45	0 13	8 22	0 24	22 14	1 10	21 5	1 23	16 8	1 58	19 49	0 1	18 16	1 32	13 24	17 1	6 27	6 30	22 37		n.a.
T 16	4 10	28 39	5 15	12 0	0s 2	8 53	0 27	22 6	1 11	21 6	1 22	16 8	1 58	19 49	0 1	18 16	1 32	13 25	17 1	6 27	6 31	22 39		n.a.
W17	3 47	28 36	4 56	12 12	0 16	9 23	0 30	21 57	1 11	21 7	1 22	16 7	1 58	19 50	0 1	18 16	1 32	13 26	17 1	6 27	6 32	22 42		n.a.
T 18	3 23	26 47	4 21	12 22	0 30	9 53	0 33	21 48	1 12	21 7	1 22	16 7	1 58	19 50	0 1	18 16	1 32	13 27	17 1	6 27	6 34	22 44		n.a.
F 19	3 0	23 26	3 32	12 29	0 43	10 22	0 36	21 39	1 13	21 8	1 22	16 7	1 58	19 51	0 1	18 16	1 32	13 27	17 1	6 26	6 35	22 46		n.a.
S 20	2 37	18 55	2 32	12 35	0 56	10 52	0 39	21 30	1 14	21 8	1 22	16 6	1 59	19 51	0 1	18 16	1 32	13 28	17 2	6 26	6 36	22 48		n.a.
S 21	2 13	13 35	1 25	12 38	1 8	11 21	0 43	21 21	1 14	21 9	1 22	16 6	1 59	19 51	0 1	18 16	1 32	13 29	17 2	6 26	6 37	22 50		n.a.
M22	1 50	7 45	0 16	12 39	1 19	11 50	0 46	21 11	1 15	21 9	1 22	16 5	1 59	19 52	0 1	18 16	1 32	13 30	17 2	6 26	6 39	22 52		n.a.
T 23	1 27	1 43	0s54	12 37	1 30	12 18	0 49	21 1	1 16	21 10	1 22	16 5	1 59	19 52	0 1	18 15	1 32	13 30	17 2	6 26	6 40	22 55		n.a.
W24	1 3	4s17	2 0	12 34	1 40	12 47	0 52	20 51	1 17	21 10	1 21	16 4	1 59	19 53	0 1	18 15	1 32	13 31	17 2	6 26	6 41	22 57		n.a.
T 25	0 40	10 2	2 59	12 28	1 49	13 15	0 55	20 41	1 17	21 10	1 21	16 3	1 59	19 53	0 1	18 15	1 32	13 32	17 2	6 27	6 42	22 59		n.a.
F 26	0 16	15 21	3 49	12 20	1 58	13 42	0 58	20 30	1 18	21 11	1 21	16 3	1 59	19 54	0 1	18 15	1 32	13 32	17 2	6 28	6 44	23 1		n.a.
S 27	0n 7	20 1	4 29	12 11	2 6	14 10	1 1	20 20	1 19	21 11	1 21	16 2	1 59	19 54	0 1	18 15	1 32	13 33	17 2	6 28	6 45	23 3		n.a.
S 28	0 31	23 53	4 57	11 59	2 13	14 37	1 4	20 9	1 19	21 11	1 21	16 1	1 59	19 55	0 1	18 14	1 32	13 34	17 2	6 29	6 46	23 5		n.a.
M29	0 54	26 44	5 12	11 45	2 19	15 3	1 7	19 58	1 20	21 11	1 21	16 1	2 0	19 56	0 1	18 14	1 32	13 34	17 2	6 30	6 47	23 7		n.a.
T 30	1 17	28 25	5 14	11 29	2 25	15 30	1 10	19 47	1 21	21 11	1 21	16 0	2 0	19 56	0 1	18 14	1 32	13 35	17 2	6 31	6 48	23 9		n.a.
W31	1n41	28s47	5s 2	11s11	2s30	15n56	1n13	19s35	1s22	21n11	1n20	15s59	2n 0	19n57	0s 1	18s14	1n32	13n36	17n 2	6s31	6s50	23s12		n.a.

Julian Day Number = 1543240.5, Delta T = 04h36m09s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'37, Lahiri = -10°41'36 Julian Calendar 1 March 488 BCE == Greg. Calendar 24 Feb. 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

APRIL 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 13 50	5♈ 8'06	12♉18	8♓32	10♉28	9♒38	2°R23	19°R43	27♉58	26°R55	4°R53	13♓38	12♓47	22♏16	n.a.	T 1
F 2	12 17 47	6° 6'05	24°46	9°37	11°39	10°24	2♌22	19♏41	28° 0	26♏54	4♎52	13°38	12°44	22°23	n.a.	F 2
S 3	12 21 43	7° 4'02	7♒35	10°45	12°49	11° 9	2°22	19°38	28° 3	26°53	4°50	13°40	12°40	22°29	n.a.	S 3
S 4	12 25 40	8° 1'58	20°46	11°56	14° 0	11°55	2°D22	19°35	28° 6	26°52	4°48	13°41	12°37	22°36	n.a.	S 4
M 5	12 29 36	8°59'52	4♓23	13° 9	15°10	12°40	2°22	19°33	28° 8	26°51	4°47	13°42	12°34	22°43	n.a.	M 5
T 6	12 33 33	9°57'45	18°25	14°24	16°21	13°25	2°22	19°30	28°11	26°50	4°45	13°R43	12°31	22°49	n.a.	T 6
W 7	12 37 29	10°55'36	2♈50	15°42	17°31	14°11	2°22	19°27	28°13	26°49	4°43	13°42	12°28	22°56	n.a.	W 7
T 8	12 41 26	11°53'26	17°34	17° 3	18°41	14°56	2°23	19°24	28°16	26°48	4°42	13°39	12°25	23° 3	n.a.	T 8
F 9	12 45 22	12°51'14	2♉28	18°25	19°52	15°41	2°24	19°21	28°19	26°47	4°40	13°36	12°21	23°10	n.a.	F 9
S 10	12 49 19	13°49'00	17°26	19°50	21° 2	16°26	2°25	19°18	28°22	26°46	4°38	13°32	12°18	23°16	n.a.	S 10
S 11	12 53 15	14°46'45	2♊17	21°17	22°12	17°11	2°26	19°15	28°24	26°45	4°37	13°27	12°15	23°23	n.a.	S 11
M12	12 57 12	15°44'28	16°55	22°47	23°22	17°56	2°27	19°11	28°27	26°44	4°35	13°24	12°12	23°30	n.a.	M12
T 13	13 1 9	16°42'10	1♋16	24°18	24°31	18°42	2°29	19° 8	28°30	26°43	4°33	13°22	12° 9	23°36	n.a.	T 13
W14	13 5 5	17°39'49	15°15	25°52	25°41	19°27	2°30	19° 5	28°33	26°42	4°32	13°D21	12° 6	23°43	n.a.	W14
T 15	13 9 2	18°37'27	28°53	27°28	26°51	20°12	2°32	19° 1	28°36	26°41	4°30	13°21	12° 2	23°50	n.a.	T 15
F 16	13 12 58	19°35'04	12♌10	29° 6	28° 0	20°57	2°34	18°58	28°39	26°39	4°28	13°22	11°59	23°57	n.a.	F 16
S 17	13 16 55	20°32'38	25°10	0♈46	29°10	21°41	2°36	18°54	28°42	26°38	4°27	13°24	11°56	24° 3	n.a.	S 17
S 18	13 20 51	21°30'11	7♍54	2°29	0♊19	22°26	2°39	18°51	28°45	26°37	4°25	13°R25	11°53	24°10	n.a.	S 18
M19	13 24 48	22°27'43	20°24	4°13	1°28	23°11	2°41	18°47	28°48	26°36	4°24	13°25	11°50	24°17	n.a.	M19
T 20	13 28 44	23°25'13	2♎44	6° 0	2°37	23°56	2°44	18°43	28°51	26°34	4°22	13°23	11°46	24°23	n.a.	T 20
W21	13 32 41	24°22'41	14°56	7°49	3°46	24°41	2°47	18°40	28°54	26°33	4°20	13°19	11°43	24°30	n.a.	W21
T 22	13 36 38	25°20'09	27° 0	9°40	4°55	25°25	2°50	18°36	28°57	26°32	4°19	13°14	11°40	24°37	n.a.	T 22
F 23	13 40 34	26°17'35	8♏59	11°33	6° 3	26°10	2°53	18°32	29° 0	26°30	4°17	13° 6	11°37	24°44	n.a.	F 23
S 24	13 44 31	27°15'00	20°53	13°28	7°12	26°55	2°56	18°28	29° 3	26°29	4°16	12°58	11°34	24°50	n.a.	S 24
S 25	13 48 27	28°12'24	2♐46	15°25	8°20	27°39	3° 0	18°24	29° 7	26°28	4°14	12°50	11°31	24°57	n.a.	S 25
M26	13 52 24	29° 9'48	14°38	17°25	9°29	28°24	3° 4	18°20	29°10	26°26	4°13	12°42	11°27	25° 4	n.a.	M26
T 27	13 56 20	0♉ 7'10	26°33	19°26	10°37	29° 8	3° 8	18°16	29°13	26°25	4°11	12°36	11°24	25°11	n.a.	T 27
W28	14 0 17	1° 4'32	8♉34	21°29	11°45	29°53	3°12	18°12	29°16	26°24	4°10	12°32	11°21	25°17	n.a.	W28
T 29	14 4 13	2° 1'53	20°45	23°34	12°53	0♓37	3°16	18° 8	29°20	26°22	4° 8	12°29	11°18	25°24	n.a.	T 29
F 30	14 8 10	2♉59'13	3♒11	25♈40	14♊ 1	1♓21	3♌20	18♏ 4	29♉23	26♏21	4♎ 7	12°D28	11♓15	25♏31	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n 4	27s46	4s36	10s52	2s35	16n21	1n16	19s24	1s22	21n11	1n20	15s59	2n 0	19n57	0s 1	18s14	1n33	13n36	17n 2	6s31	6s51	23s14		n.a.
F 2	2 27	25 21	3 57	10 30	2 39	16 47	1 19	19 12	1 23	21 11	1 20	15 58	2 0	19 58	0 1	18 13	1 33	13 37	17 2	6 31	6 52	23 16		n.a.
S 3	2 50	21 36	3 6	10 7	2 42	17 11	1 22	19 0	1 24	21 11	1 20	15 57	2 0	19 58	0 1	18 13	1 33	13 38	17 2	6 30	6 53	23 18		n.a.
S 4	3 14	16 42	2 3	9 42	2 44	17 36	1 25	18 48	1 24	21 11	1 20	15 56	2 0	19 59	0 1	18 13	1 33	13 38	17 2	6 30	6 55	23 20		n.a.
M 5	3 37	10 49	0 51	9 16	2 46	18 0	1 27	18 35	1 25	21 11	1 20	15 55	2 0	20 0	0 1	18 13	1 33	13 39	17 2	6 29	6 56	23 22		n.a.
T 6	4 0	4 15	0n26	8 47	2 47	18 23	1 30	18 23	1 26	21 11	1 19	15 55	2 0	20 0	0 1	18 12	1 33	13 39	17 2	6 29	6 57	23 24		n.a.
W 7	4 23	2n43	1 43	8 17	2 48	18 46	1 33	18 10	1 26	21 11	1 19	15 54	2 0	20 1	0 1	18 12	1 33	13 40	17 2	6 30	6 58	23 26		n.a.
T 8	4 46	9 40	2 55	7 45	2 48	19 9	1 36	17 57	1 27	21 10	1 19	15 53	2 0	20 1	0 1	18 12	1 33	13 41	17 1	6 31	7 0	23 28		n.a.
F 9	5 9	16 10	3 56	7 12	2 47	19 31	1 38	17 44	1 28	21 10	1 19	15 52	2 0	20 2	0 1	18 12	1 33	13 41	17 1	6 32	7 1	23 30		n.a.
S 10	5 31	21 44	4 40	6 37	2 46	19 52	1 41	17 31	1 28	21 10	1 19	15 51	2 1	20 3	0 1	18 11	1 33	13 42	17 1	6 34	7 2	23 32		n.a.
S 11	5 54	25 53	5 6	6 1	2 44	20 13	1 43	17 18	1 29	21 9	1 19	15 50	2 1	20 3	0 1	18 11	1 33	13 42	17 1	6 35	7 3	23 34		n.a.
M12	6 16	28 16	5 11	5 23	2 42	20 34	1 46	17 4	1 29	21 9	1 18	15 49	2 1	20 4	0 1	18 11	1 33	13 43	17 1	6 37	7 4	23 36		n.a.
T 13	6 39	28 42	4 57	4 43	2 39	20 54	1 48	16 51	1 30	21 8	1 18	15 48	2 1	20 5	0 1	18 10	1 33	13 43	17 1	6 37	7 6	23 38		n.a.
W14	7 1	27 16	4 25	4 2	2 35	21 14	1 51	16 37	1 31	21 8	1 18	15 47	2 1	20 5	0 1	18 10	1 33	13 44	17 1	6 38	7 7	23 40		n.a.
T 15	7 24	24 13	3 39	3 20	2 31	21 33	1 53	16 23	1 31	21 7	1 18	15 46	2 1	20 6	0 1	18 10	1 33	13 44	17 0	6 38	7 8	23 42		n.a.
F 16	7 46	19 57	2 42	2 36	2 26	21 51	1 56	16 9	1 32	21 6	1 18	15 45	2 1	20 7	0 1	18 10	1 33	13 45	17 0	6 37	7 9	23 44		n.a.
S 17	8 8	14 50	1 38	1 50	2 21	22 9	1 58	15 55	1 33	21 6	1 18	15 44	2 1	20 7	0 1	18 9	1 33	13 45	17 0	6 37	7 11	23 46		n.a.
S 18	8 30	9 11	0 30	1 4	2 15	22 26	2 0	15 41	1 33	21 5	1 17	15 43	2 1	20 8	0 1	18 9	1 33	13 46	17 0	6 36	7 12	23 48		n.a.
M19	8 51	3 16	0s38	0 16	2 9	22 43	2 2	15 27	1 34	21 4	1 17	15 42	2 1	20 9	0 1	18 9	1 33	13 46	17 0	6 36	7 13	23 50		n.a.
T 20	9 13	2s41	1 43	0n33	2 2	22 59	2 4	15 12	1 34	21 4	1 17	15 41	2 1	20 9	0 1	18 8	1 33	13 47	16 59	6 37	7 14	23 52		n.a.
W21	9 34	8 27	2 42	1 23	1 55	23 15	2 6	14 57	1 35	21 3	1 17	15 40	2 1	20 10	0 1	18 8	1 33	13 47	16 59	6 38	7 16	23 54		n.a.
T 22	9 56	13 51	3 34	2 15	1 47	23 30	2 8	14 43	1 35	21 2	1 17	15 39	2 1	20 11	0 1	18 8	1 33	13 47	16 59	6 41	7 17	23 56		n.a.
F 23	10 17	18 42	4 15	3 7	1 39	23 44	2 10	14 28	1 36	21 1	1 17	15 38	2 1	20 11	0 1	18 7	1 33	13 48	16 59	6 43	7 18	23 58		n.a.
S 24	10 38	22 47	4 45	4 0	1 30	23 58	2 12	14 13	1 37	21 0	1 16	15 37	2 1	20 12	0 1	18 7	1 33	13 48	16 58	6 46	7 19	24 0		n.a.
S 25	10 59	25 56	5 3	4 55	1 21	24 11	2 13	13 58	1 37	20 59	1 16	15 36	2 1	20 13	0 1	18 7	1 33	13 48	16 58	6 50	7 20	24 2		n.a.
M26	11 19	27 57	5 7	5 50	1 11	24 23	2 15	13 43	1 38	20 58	1 16	15 35	2 1	20 14	0 1	18 6	1 33	13 49	16 58	6 53	7 22	24 4		n.a.
T 27	11 40	28 41	4 58	6 45	1 1	24 35	2 16	13 27	1 38	20 57	1 16	15 33	2 1	20 14	0 1	18 6	1 33	13 49	16 58	6 55	7 23	24 6		n.a.
W28	12 0	28 4	4 36	7 42	0 51	24 46	2 18	13 12	1 39	20 56	1 16	15 32	2 1	20 15	0 1	18 6	1 33	13 49	16 57	6 57	7 24	24 8		n.a.
T 29	12 20	26 7	4 2	8 38	0 41	24 57	2 19	12 57	1 39	20 55	1 16	15 31	2 1	20 16	0 1	18 5	1 33	13 50	16 57	6 58	7 25	24 10		n.a.
F 30	12n40	22s52	3s15	9n35	0s30	25n 6	2n20	12s41	1s40	20n53	1n15	15s30	2n 1	20n16	0s 1	18s 5	1n33	13n50	16n57	6s58	7s27	24s12		n.a.

Julian Day Number = 1543271.5, Delta T = 04h36m07s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'32, Lahiri = -10°41'32 Julian Calendar 1 Apr. 488 BCE == Greg. Calendar 27 March 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

MAY 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 12 7	3♉56'32	15♒54	27♈48	15♊ 8	2♓ 5	3♌25	18°R 0	29♉26	26°R19	4°R 6	12♓29	11♓12	25♏37	n.a.	S 1
S 2	14 16 3	4°53'51	29° 1	29°57	16°16	2°50	3°29	17♏55	29°30	26♏18	4♎ 4	12°30	11° 8	25°44	n.a.	S 2
M 3	14 20 0	5°51'09	12♓35	2♉ 7	17°23	3°34	3°34	17°51	29°33	26°16	4° 3	12°R30	11° 5	25°51	n.a.	M 3
T 4	14 23 56	6°48'26	26°36	4°18	18°30	4°18	3°39	17°47	29°36	26°15	4° 1	12°29	11° 2	25°58	n.a.	T 4
W 5	14 27 53	7°45'43	11♈ 5	6°29	19°37	5° 2	3°44	17°43	29°40	26°13	4° 0	12°27	10°59	26° 4	n.a.	W 5
T 6	14 31 49	8°42'59	25°57	8°41	20°44	5°46	3°50	17°38	29°43	26°12	3°59	12°21	10°56	26°11	n.a.	T 6
F 7	14 35 46	9°40'15	11♉ 6	10°53	21°51	6°30	3°55	17°34	29°46	26°10	3°58	12°14	10°52	26°18	n.a.	F 7
S 8	14 39 42	10°37'30	26°21	13° 4	22°58	7°14	4° 1	17°30	29°50	26° 9	3°56	12° 6	10°49	26°24	n.a.	S 8
S 9	14 43 39	11°34'44	11♊31	15°15	24° 4	7°57	4° 7	17°25	29°53	26° 7	3°55	11°57	10°46	26°31	n.a.	S 9
M10	14 47 36	12°31'58	26°27	17°25	25°10	8°41	4°12	17°21	29°57	26° 6	3°54	11°50	10°43	26°38	n.a.	M10
T 11	14 51 32	13°29'10	11♋ 1	19°35	26°17	9°25	4°18	17°17	0♊ 0	26° 4	3°53	11°44	10°40	26°45	n.a.	T 11
W12	14 55 29	14°26'22	25° 9	21°43	27°22	10° 8	4°25	17°12	0° 4	26° 3	3°51	11°40	10°37	26°51	n.a.	W12
T 13	14 59 25	15°23'32	8♌49	23°49	28°28	10°52	4°31	17° 8	0° 7	26° 1	3°50	11°39	10°33	26°58	n.a.	T 13
F 14	15 3 22	16°20'42	22° 4	25°54	29°34	11°35	4°37	17° 3	0°11	25°59	3°49	11°D39	10°30	27° 5	n.a.	F 14
S 15	15 7 18	17°17'51	4♍57	27°57	0♋39	12°18	4°44	16°59	0°14	25°58	3°48	11°R39	10°27	27°11	n.a.	S 15
S 16	15 11 15	18°14'59	17°31	29°59	1°44	13° 2	4°51	16°55	0°18	25°56	3°47	11°39	10°24	27°18	n.a.	S 16
M17	15 15 12	19°12'07	29°50	1♊58	2°49	13°45	4°58	16°50	0°21	25°55	3°46	11°38	10°21	27°25	n.a.	M17
T 18	15 19 8	20° 9'14	11♎59	3°55	3°54	14°28	5° 5	16°46	0°25	25°53	3°45	11°34	10°18	27°32	n.a.	T 18
W19	15 23 5	21° 6'20	24° 1	5°50	4°59	15°11	5°12	16°42	0°28	25°51	3°44	11°27	10°14	27°38	n.a.	W19
T 20	15 27 1	22° 3'26	5♏57	7°44	6° 3	15°54	5°19	16°37	0°32	25°50	3°43	11°18	10°11	27°45	n.a.	T 20
F 21	15 30 58	23° 0'32	17°51	9°35	7° 7	16°37	5°26	16°33	0°36	25°48	3°42	11° 7	10° 8	27°52	n.a.	F 21
S 22	15 34 54	23°57'37	29°44	11°23	8°11	17°20	5°34	16°29	0°39	25°47	3°41	10°54	10° 5	27°59	n.a.	S 22
S 23	15 38 51	24°54'43	11♐36	13°10	9°14	18° 2	5°41	16°24	0°43	25°45	3°40	10°41	10° 2	28° 5	n.a.	S 23
M24	15 42 47	25°51'48	23°31	14°54	10°18	18°45	5°49	16°20	0°46	25°43	3°39	10°29	9°58	28°12	n.a.	M24
T 25	15 46 44	26°48'53	5♑29	16°36	11°21	19°27	5°57	16°16	0°50	25°42	3°38	10°19	9°55	28°19	n.a.	T 25
W26	15 50 41	27°45'58	17°34	18°16	12°24	20°10	6° 5	16°11	0°53	25°40	3°38	10°10	9°52	28°25	n.a.	W26
T 27	15 54 37	28°43'03	29°47	19°53	13°26	20°52	6°13	16° 7	0°57	25°38	3°37	10° 5	9°49	28°32	n.a.	T 27
F 28	15 58 34	29°40'09	12♒12	21°29	14°29	21°35	6°21	16° 3	1° 1	25°37	3°36	10° 2	9°46	28°39	n.a.	F 28
S 29	16 2 30	0♊37'14	24°54	23° 2	15°31	22°17	6°30	15°59	1° 4	25°35	3°35	10° 1	9°43	28°46	n.a.	S 29
S 30	16 6 27	1°34'20	7♓56	24°32	16°33	22°59	6°38	15°55	1° 8	25°34	3°35	10° 1	9°39	28°52	n.a.	S 30
M31	16 10 23	2♊31'26	21♓23	26♊ 1	17♋34	23♓41	6♌47	15♏50	1♊11	25♏32	3♎34	10♓ 1	9♓36	28♏59	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n 0	18s28	2s18	10n31	0s20	25n16	2n22	12s25	1s40	20n52	1n15	15s29	2n 1	20n17	0s 1	18s 5	1n33	13n50	16n56	6s58	7s28	24s14		n.a.
S 2	13 20	13 5	1 12	11 28	0 9	25 24	2 23	12 10	1 41	20 51	1 15	15 28	2 1	20 18	0 1	18 4	1 33	13 51	16 56	6 58	7 29	24 15		n.a.
M 3	13 39	6 55	0n 0	12 23	0n 1	25 32	2 24	11 54	1 41	20 50	1 15	15 27	2 1	20 19	0 1	18 4	1 33	13 51	16 56	6 57	7 30	24 17		n.a.
T 4	13 58	0 14	1 15	13 19	0 12	25 39	2 25	11 38	1 42	20 48	1 15	15 25	2 1	20 19	0 1	18 4	1 33	13 51	16 55	6 58	7 31	24 19		n.a.
W 5	14 17	6n41	2 27	14 13	0 22	25 46	2 25	11 22	1 42	20 47	1 15	15 24	2 1	20 20	0 1	18 3	1 33	13 51	16 55	6 59	7 33	24 21		n.a.
T 6	14 36	13 25	3 31	15 6	0 33	25 51	2 26	11 6	1 43	20 45	1 15	15 23	2 1	20 21	0 1	18 3	1 33	13 51	16 55	7 1	7 34	24 23		n.a.
F 7	14 54	19 29	4 21	15 58	0 43	25 57	2 27	10 50	1 43	20 44	1 14	15 22	2 1	20 22	0 1	18 2	1 33	13 52	16 54	7 4	7 35	24 25		n.a.
S 8	15 12	24 20	4 53	16 48	0 52	26 1	2 27	10 34	1 43	20 42	1 14	15 21	2 1	20 22	0 1	18 2	1 33	13 52	16 54	7 7	7 36	24 27		n.a.
S 9	15 30	27 29	5 4	17 36	1 1	26 5	2 28	10 18	1 44	20 41	1 14	15 19	2 1	20 23	0 1	18 2	1 33	13 52	16 54	7 10	7 38	24 29		n.a.
M10	15 48	28 37	4 55	18 22	1 10	26 8	2 28	10 2	1 44	20 39	1 14	15 18	2 1	20 24	0 1	18 1	1 33	13 52	16 53	7 13	7 39	24 30		n.a.
T 11	16 6	27 42	4 26	19 7	1 18	26 10	2 28	9 45	1 45	20 38	1 14	15 17	2 1	20 25	0 1	18 1	1 33	13 52	16 53	7 15	7 40	24 32		n.a.
W12	16 23	25 1	3 41	19 48	1 25	26 12	2 28	9 29	1 45	20 36	1 14	15 16	2 1	20 25	0 1	18 1	1 33	13 52	16 52	7 17	7 41	24 34		n.a.
T 13	16 40	20 57	2 46	20 28	1 32	26 13	2 28	9 13	1 46	20 34	1 13	15 15	2 1	20 26	0 1	18 0	1 33	13 52	16 52	7 17	7 42	24 36		n.a.
F 14	16 57	15 57	1 42	21 5	1 39	26 13	2 28	8 56	1 46	20 33	1 13	15 13	2 1	20 27	0 1	18 0	1 33	13 52	16 52	7 17	7 44	24 38		n.a.
S 15	17 13	10 22	0 36	21 39	1 44	26 13	2 27	8 40	1 46	20 31	1 13	15 12	2 1	20 28	0 1	17 59	1 33	13 52	16 51	7 17	7 45	24 40		n.a.
S 16	17 29	4 31	0s31	22 11	1 49	26 12	2 27	8 23	1 47	20 29	1 13	15 11	2 1	20 28	0 1	17 59	1 33	13 52	16 51	7 17	7 46	24 41		n.a.
M17	17 45	1s23	1 35	22 41	1 53	26 10	2 27	8 7	1 47	20 27	1 13	15 10	2 1	20 29	0 0	17 59	1 33	13 52	16 50	7 18	7 47	24 43		n.a.
T 18	18 1	7 9	2 34	23 7	1 57	26 8	2 26	7 50	1 47	20 26	1 13	15 9	2 0	20 30	0 0	17 58	1 33	13 52	16 50	7 19	7 48	24 45		n.a.
W19	18 16	12 36	3 25	23 32	2 0	26 5	2 25	7 34	1 48	20 24	1 13	15 7	2 0	20 31	0 0	17 58	1 33	13 52	16 49	7 22	7 50	24 47		n.a.
T 20	18 31	17 32	4 6	23 53	2 2	26 1	2 24	7 17	1 48	20 22	1 12	15 6	2 0	20 31	0 0	17 58	1 33	13 52	16 49	7 25	7 51	24 48		n.a.
F 21	18 46	21 48	4 37	24 12	2 3	25 57	2 23	7 1	1 48	20 20	1 12	15 5	2 0	20 32	0 0	17 57	1 33	13 52	16 48	7 29	7 52	24 50		n.a.
S 22	19 1	25 9	4 55	24 29	2 4	25 52	2 22	6 44	1 49	20 18	1 12	15 4	2 0	20 33	0 0	17 57	1 33	13 52	16 48	7 34	7 53	24 52		n.a.
S 23	19 15	27 26	5 0	24 44	2 4	25 46	2 21	6 27	1 49	20 16	1 12	15 3	2 0	20 34	0 0	17 56	1 33	13 52	16 47	7 39	7 55	24 54		n.a.
M24	19 29	28 28	4 53	24 56	2 3	25 40	2 19	6 11	1 49	20 14	1 12	15 2	2 0	20 35	0 0	17 56	1 33	13 52	16 47	7 44	7 56	24 55		n.a.
T 25	19 42	28 11	4 32	25 5	2 2	25 33	2 18	5 54	1 50	20 11	1 12	15 1	2 0	20 35	0 0	17 56	1 33	13 52	16 46	7 48	7 57	24 57		n.a.
W26	19 55	26 33	4 0	25 13	2 0	25 26	2 16	5 38	1 50	20 9	1 12	14 59	2 0	20 36	0 0	17 55	1 33	13 52	16 46	7 51	7 58	24 59		n.a.
T 27	20 8	23 39	3 16	25 19	1 57	25 17	2 14	5 21	1 50	20 7	1 12	14 58	2 0	20 37	0 0	17 55	1 33	13 52	16 45	7 53	7 59	25 1		n.a.
F 28	20 21	19 37	2 21	25 22	1 54	25 9	2 12	5 4	1 50	20 5	1 11	14 57	2 0	20 38	0 0	17 55	1 33	13 52	16 45	7 54	8 1	25 2		n.a.
S 29	20 33	14 38	1 19	25 24	1 50	25 0	2 10	4 48	1 51	20 3	1 11	14 56	1 59	20 38	0 0	17 54	1 33	13 51	16 44	7 55	8 2	25 4		n.a.
S 30	20 45	8 52	0 11	25 24	1 46	24 50	2 8	4 31	1 51	20 0	1 11	14 55	1 59	20 39	0 0	17 54	1 33	13 51	16 44	7 55	8 3	25 6		n.a.
M31	20n56	2s33	1n 0	25n22	1n40	24n39	2n 5	4s14	1s51	19n58	1n11	14s54	1n59	20n40	0s 0	17s53	1n33	13n51	16n43	7s55	8s 4	25s 8		n.a.

Julian Day Number = 1543301.5, Delta T = 04h36m06s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'28, Lahiri = -10°41'28 Julian Calendar 1 May 488 BCE == Greg. Calendar 26 Apr. 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

JUNE 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 14 20	3♊28'33	5♈17	27♊27	18♋35	24♓23	6♌55	15°R46	1♊15	25°R30	3°R33	9°R59	9♓33	29♏ 6	n.a.	T 1
W 2	16 18 16	4°25'40	19°39	28°51	19°36	25° 5	7° 4	15♏42	1°19	25♏29	3♎33	9♓55	9°30	29°12	n.a.	W 2
T 3	16 22 13	5°22'47	4♉26	0♋12	20°37	25°46	7°13	15°38	1°22	25°27	3°32	9°49	9°27	29°19	n.a.	T 3
F 4	16 26 10	6°19'55	19°33	1°31	21°37	26°28	7°22	15°34	1°26	25°26	3°32	9°40	9°23	29°26	n.a.	F 4
S 5	16 30 6	7°17'03	4♊50	2°48	22°37	27° 9	7°31	15°30	1°29	25°24	3°31	9°30	9°20	29°33	n.a.	S 5
S 6	16 34 3	8°14'11	20° 7	4° 2	23°36	27°51	7°40	15°26	1°33	25°22	3°31	9°19	9°17	29°39	n.a.	S 6
M 7	16 37 59	9°11'20	5♋12	5°13	24°36	28°32	7°50	15°23	1°37	25°21	3°30	9° 9	9°14	29°46	n.a.	M 7
T 8	16 41 56	10° 8'28	19°56	6°22	25°34	29°13	7°59	15°19	1°40	25°19	3°30	9° 1	9°11	29°53	n.a.	T 8
W 9	16 45 52	11° 5'37	4♌12	7°28	26°33	29°54	8° 9	15°15	1°44	25°18	3°30	8°56	9° 8	29°59	n.a.	W 9
T 10	16 49 49	12° 2'46	18° 0	8°31	27°31	0♈35	8°18	15°11	1°47	25°16	3°29	8°53	9° 4	0♐ 6	n.a.	T 10
F 11	16 53 46	12°59'55	1♍18	9°31	28°29	1°16	8°28	15° 8	1°51	25°15	3°29	8°52	9° 1	0°13	n.a.	F 11
S 12	16 57 42	13°57'04	14°12	10°28	29°26	1°57	8°38	15° 4	1°54	25°13	3°29	8°52	8°58	0°20	n.a.	S 12
S 13	17 1 39	14°54'14	26°44	11°22	0♌23	2°38	8°47	15° 1	1°58	25°12	3°28	8°51	8°55	0°26	n.a.	S 13
M14	17 5 35	15°51'23	9♎ 0	12°13	1°19	3°18	8°57	14°57	2° 1	25°10	3°28	8°50	8°52	0°33	n.a.	M14
T 15	17 9 32	16°48'33	21° 4	13° 0	2°15	3°59	9° 7	14°54	2° 5	25° 9	3°28	8°46	8°49	0°40	n.a.	T 15
W16	17 13 28	17°45'43	3♏ 0	13°44	3°10	4°39	9°18	14°50	2° 8	25° 7	3°28	8°39	8°45	0°47	n.a.	W16
T 17	17 17 25	18°42'54	14°53	14°24	4° 5	5°19	9°28	14°47	2°12	25° 6	3°28	8°30	8°42	0°53	n.a.	T 17
F 18	17 21 21	19°40'05	26°45	15° 1	4°59	5°59	9°38	14°44	2°15	25° 4	3°28	8°19	8°39	1° 0	n.a.	F 18
S 19	17 25 18	20°37'17	8♐38	15°33	5°53	6°39	9°49	14°41	2°19	25° 3	3°28	8° 6	8°36	1° 7	n.a.	S 19
S 20	17 29 15	21°34'29	20°34	16° 1	6°46	7°19	9°59	14°38	2°22	25° 2	3°D28	7°52	8°33	1°13	n.a.	S 20
M21	17 33 11	22°31'43	2♑34	16°25	7°39	7°58	10°10	14°35	2°26	25° 0	3°28	7°40	8°29	1°20	n.a.	M21
T 22	17 37 8	23°28'57	14°40	16°44	8°31	8°38	10°20	14°32	2°29	24°59	3°28	7°29	8°26	1°27	n.a.	T 22
W23	17 41 4	24°26'12	26°53	16°59	9°22	9°17	10°31	14°29	2°33	24°57	3°28	7°20	8°23	1°34	n.a.	W23
T 24	17 45 1	25°23'28	9♒14	17° 9	10°13	9°56	10°42	14°26	2°36	24°56	3°28	7°15	8°20	1°40	n.a.	T 24
F 25	17 48 57	26°20'45	21°47	17°14	11° 3	10°36	10°53	14°24	2°39	24°55	3°28	7°12	8°17	1°47	n.a.	F 25
S 26	17 52 54	27°18'03	4♓33	17°R14	11°52	11°15	11° 3	14°21	2°43	24°53	3°28	7°D11	8°14	1°54	n.a.	S 26
S 27	17 56 51	28°15'22	17°37	17° 9	12°41	11°53	11°14	14°18	2°46	24°52	3°29	7°11	8°10	2° 1	n.a.	S 27
M28	18 0 47	29°12'42	1♈ 1	16°59	13°28	12°32	11°26	14°16	2°49	24°51	3°29	7°R11	8° 7	2° 7	n.a.	M28
T 29	18 4 44	0♋10'04	14°47	16°43	14°16	13°11	11°37	14°13	2°53	24°50	3°29	7°10	8° 4	2°14	n.a.	T 29
W30	18 8 40	1♋ 7'27	28♈58	16♋23	15♌ 2	13♈49	11♌48	14♏11	2♊56	24♏48	3♎30	7♓ 8	8♓ 1	2♐21	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 8	4n 6	2n 9	25n19	1n35	24n28	2n 3	3s58	1s51	19n56	1n11	14s53	1n59	20n41	0s 0	17s53	1n33	13n51	16n43	7s56	8s 5	25s 9		n.a.
W 2	21 19	10 45	3 13	25 14	1 29	24 17	2 0	3 41	1 51	19 53	1 11	14 52	1 59	20 41	0 0	17 53	1 33	13 50	16 42	7 57	8 7	25 11		n.a.
T 3	21 29	17 0	4 5	25 7	1 22	24 5	1 57	3 24	1 52	19 51	1 11	14 51	1 59	20 42	0 0	17 52	1 33	13 50	16 42	7 59	8 8	25 13		n.a.
F 4	21 39	22 22	4 42	24 59	1 15	23 52	1 54	3 8	1 52	19 49	1 11	14 50	1 59	20 43	0 0	17 52	1 33	13 50	16 41	8 3	8 9	25 14		n.a.
S 5	21 49	26 17	4 59	24 50	1 7	23 39	1 51	2 51	1 52	19 46	1 10	14 49	1 59	20 44	0 0	17 52	1 33	13 50	16 41	8 7	8 10	25 16		n.a.
S 6	21 58	28 17	4 55	24 40	0 58	23 26	1 48	2 35	1 52	19 44	1 10	14 48	1 58	20 44	0 0	17 51	1 33	13 49	16 40	8 11	8 12	25 18		n.a.
M 7	22 7	28 9	4 30	24 29	0 49	23 12	1 44	2 18	1 52	19 41	1 10	14 47	1 58	20 45	0 0	17 51	1 33	13 49	16 40	8 15	8 13	25 19		n.a.
T 8	22 16	26 0	3 48	24 16	0 40	22 57	1 40	2 2	1 53	19 38	1 10	14 46	1 58	20 46	0 0	17 51	1 33	13 49	16 39	8 18	8 14	25 21		n.a.
W 9	22 24	22 15	2 52	24 3	0 30	22 42	1 36	1 45	1 53	19 36	1 10	14 45	1 58	20 47	0 0	17 50	1 33	13 48	16 38	8 20	8 15	25 22		n.a.
T 10	22 32	17 21	1 48	23 49	0 20	22 27	1 32	1 29	1 53	19 33	1 10	14 44	1 58	20 47	0 0	17 50	1 33	13 48	16 38	8 21	8 16	25 24		n.a.
F 11	22 40	11 46	0 40	23 34	0 9	22 11	1 28	1 13	1 53	19 31	1 10	14 43	1 58	20 48	0 0	17 49	1 33	13 47	16 37	8 21	8 18	25 26		n.a.
S 12	22 47	5 52	0s28	23 18	0s 2	21 54	1 24	0 56	1 53	19 28	1 10	14 42	1 57	20 49	0 0	17 49	1 33	13 47	16 37	8 21	8 19	25 27		n.a.
S 13	22 53	0s 6	1 33	23 2	0 13	21 38	1 19	0 40	1 53	19 25	1 10	14 41	1 57	20 49	0 0	17 49	1 33	13 47	16 36	8 21	8 20	25 29		n.a.
M14	23 0	5 56	2 32	22 46	0 25	21 21	1 15	0 24	1 53	19 22	1 10	14 40	1 57	20 50	0 0	17 48	1 33	13 46	16 36	8 22	8 21	25 31		n.a.
T 15	23 6	11 27	3 23	22 29	0 38	21 3	1 10	0 8	1 53	19 20	1 9	14 39	1 57	20 51	0 0	17 48	1 33	13 46	16 35	8 23	8 22	25 32		n.a.
W16	23 11	16 30	4 5	22 12	0 50	20 46	1 5	0n 8	1 53	19 17	1 9	14 39	1 57	20 52	0 0	17 48	1 33	13 45	16 34	8 26	8 24	25 34		n.a.
T 17	23 16	20 54	4 35	21 55	1 3	20 27	1 0	0 24	1 53	19 14	1 9	14 38	1 57	20 52	0 0	17 47	1 33	13 45	16 34	8 29	8 25	25 35		n.a.
F 18	23 21	24 27	4 54	21 38	1 16	20 9	0 54	0 40	1 53	19 11	1 9	14 37	1 56	20 53	0 0	17 47	1 33	13 44	16 33	8 34	8 26	25 37		n.a.
S 19	23 25	26 58	5 0	21 21	1 30	19 50	0 49	0 56	1 53	19 8	1 9	14 36	1 56	20 54	0 0	17 47	1 33	13 44	16 33	8 39	8 27	25 38		n.a.
S 20	23 29	28 17	4 53	21 4	1 43	19 31	0 43	1 12	1 53	19 5	1 9	14 36	1 56	20 54	0 0	17 47	1 33	13 43	16 32	8 44	8 28	25 40		n.a.
M21	23 33	28 17	4 33	20 48	1 57	19 12	0 37	1 28	1 53	19 2	1 9	14 35	1 56	20 55	0 0	17 46	1 33	13 43	16 32	8 48	8 30	25 42		n.a.
T 22	23 36	26 55	4 0	20 32	2 11	18 52	0 31	1 44	1 53	18 59	1 9	14 34	1 56	20 56	0 0	17 46	1 33	13 42	16 31	8 53	8 31	25 43		n.a.
W23	23 38	24 16	3 16	20 16	2 25	18 33	0 25	2 0	1 53	18 56	1 9	14 34	1 55	20 57	0 0	17 46	1 33	13 42	16 30	8 56	8 32	25 45		n.a.
T 24	23 40	20 28	2 22	20 1	2 38	18 13	0 18	2 15	1 53	18 53	1 9	14 33	1 55	20 57	0 0	17 45	1 33	13 41	16 30	8 58	8 33	25 46		n.a.
F 25	23 42	15 42	1 21	19 47	2 52	17 52	0 12	2 31	1 53	18 50	1 9	14 32	1 55	20 58	0 0	17 45	1 33	13 40	16 29	8 59	8 34	25 48		n.a.
S 26	23 44	10 11	0 14	19 34	3 5	17 32	0 5	2 46	1 53	18 47	1 9	14 32	1 55	20 59	0 0	17 45	1 33	13 40	16 29	8 59	8 36	25 49		n.a.
S 27	23 45	4 7	0n55	19 22	3 18	17 11	0s 2	3 2	1 53	18 44	1 8	14 31	1 55	20 59	0 0	17 45	1 32	13 39	16 28	8 59	8 37	25 51		n.a.
M28	23 45	2n17	2 3	19 10	3 31	16 51	0 10	3 17	1 53	18 41	1 8	14 31	1 54	21 0	0 0	17 44	1 32	13 38	16 27	8 59	8 38	25 52		n.a.
T 29	23 45	8 45	3 6	19 0	3 43	16 30	0 17	3 32	1 53	18 37	1 8	14 30	1 54	21 1	0 0	17 44	1 32	13 38	16 27	9 0	8 39	25 54		n.a.
W30	23n45	14n58	3n59	18n52	3s54	16n 9	0s25	3n47	1s53	18n34	1n 8	14s30	1n54	21n 1	0s 0	17s44	1n32	13n37	16n26	9s 1	8s40	25s55		n.a.

Julian Day Number = 1543332.5, Delta T = 04h36m05s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'24, Lahiri = -10°41'24 Julian Calendar 1 June 488 BCE == Greg. Calendar 27 May 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

JULY 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 12 37	2♋ 4'51	13♉31	15°R58	15♌47	14♈27	11♌59	14°R 9	2♊59	24°R47	3♎30	7°R 2	7♓58	2♐27	n.a.	T 1
F 2	18 16 33	3° 2'17	28°24	15♋28	16°32	15° 6	12°11	14♏ 7	3° 2	24♏46	3°30	6♓55	7°55	2°34	n.a.	F 2
S 3	18 20 30	3°59'44	13♊28	14°54	17°16	15°43	12°22	14° 5	3° 6	24°45	3°31	6°46	7°51	2°41	n.a.	S 3
S 4	18 24 26	4°57'13	28°35	14°15	17°59	16°21	12°33	14° 3	3° 9	24°44	3°31	6°37	7°48	2°48	n.a.	S 4
M 5	18 28 23	5°54'43	13♋34	13°34	18°40	16°59	12°45	14° 1	3°12	24°43	3°32	6°29	7°45	2°54	n.a.	M 5
T 6	18 32 20	6°52'13	28°16	12°49	19°21	17°36	12°57	13°59	3°15	24°42	3°32	6°22	7°42	3° 1	n.a.	T 6
W 7	18 36 16	7°49'45	12♌35	12° 2	20° 1	18°14	13° 8	13°57	3°18	24°40	3°33	6°17	7°39	3° 8	n.a.	W 7
T 8	18 40 13	8°47'18	26°26	11°14	20°40	18°51	13°20	13°56	3°21	24°39	3°33	6°15	7°35	3°15	n.a.	T 8
F 9	18 44 9	9°44'52	9♍49	10°26	21°17	19°28	13°32	13°54	3°24	24°38	3°34	6°D15	7°32	3°21	n.a.	F 9
S 10	18 48 6	10°42'27	22°47	9°38	21°54	20° 4	13°44	13°53	3°27	24°37	3°35	6°15	7°29	3°28	n.a.	S 10
S 11	18 52 2	11°40'03	5♎22	8°51	22°29	20°41	13°56	13°51	3°30	24°36	3°36	6°16	7°26	3°35	n.a.	S 11
M12	18 55 59	12°37'40	17°39	8° 7	23° 3	21°17	14° 7	13°50	3°33	24°35	3°36	6°R16	7°23	3°41	n.a.	M12
T 13	18 59 55	13°35'18	29°43	7°25	23°35	21°54	14°19	13°49	3°36	24°34	3°37	6°15	7°20	3°48	n.a.	T 13
W14	19 3 52	14°32'57	11♏39	6°48	24° 6	22°30	14°31	13°48	3°39	24°34	3°38	6°11	7°16	3°55	n.a.	W14
T 15	19 7 49	15°30'38	23°32	6°16	24°36	23° 5	14°44	13°47	3°42	24°33	3°39	6° 6	7°13	4° 2	n.a.	T 15
F 16	19 11 45	16°28'20	5♐24	5°49	25° 4	23°41	14°56	13°46	3°45	24°32	3°40	5°58	7°10	4° 8	n.a.	F 16
S 17	19 15 42	17°26'03	17°20	5°29	25°31	24°17	15° 8	13°45	3°48	24°31	3°41	5°50	7° 7	4°15	n.a.	S 17
S 18	19 19 38	18°23'48	29°21	5°15	25°56	24°52	15°20	13°44	3°51	24°30	3°41	5°41	7° 4	4°22	n.a.	S 18
M19	19 23 35	19°21'34	11♑29	5°D 8	26°19	25°27	15°32	13°44	3°54	24°29	3°42	5°32	7° 1	4°29	n.a.	M19
T 20	19 27 31	20°19'22	23°46	5° 9	26°41	26° 2	15°45	13°43	3°56	24°29	3°43	5°25	6°57	4°35	n.a.	T 20
W21	19 31 28	21°17'11	6♒12	5°17	27° 1	26°36	15°57	13°43	3°59	24°28	3°45	5°20	6°54	4°42	n.a.	W21
T 22	19 35 25	22°15'02	18°49	5°33	27°19	27°11	16° 9	13°42	4° 2	24°27	3°46	5°16	6°51	4°49	n.a.	T 22
F 23	19 39 21	23°12'55	1♓37	5°57	27°35	27°45	16°22	13°42	4° 4	24°27	3°47	5°D15	6°48	4°55	n.a.	F 23
S 24	19 43 18	24°10'49	14°37	6°29	27°49	28°19	16°34	13°42	4° 7	24°26	3°48	5°15	6°45	5° 2	n.a.	S 24
S 25	19 47 14	25° 8'45	27°51	7° 8	28° 1	28°53	16°47	13°D42	4°10	24°25	3°49	5°16	6°41	5° 9	n.a.	S 25
M26	19 51 11	26° 6'44	11♈21	7°55	28°11	29°26	16°59	13°42	4°12	24°25	3°50	5°18	6°38	5°16	n.a.	M26
T 27	19 55 7	27° 4'44	25° 7	8°50	28°19	29°59	17°12	13°42	4°15	24°24	3°51	5°R19	6°35	5°22	n.a.	T 27
W28	19 59 4	28° 2'46	9♉10	9°51	28°25	0♉33	17°25	13°42	4°17	24°24	3°53	5°18	6°32	5°29	n.a.	W28
T 29	20 3 0	29° 0'51	23°29	10°59	28°29	1° 5	17°37	13°43	4°19	24°23	3°54	5°16	6°29	5°36	n.a.	T 29
F 30	20 6 57	29°58'58	8♊ 2	12°13	28°R30	1°38	17°50	13°43	4°22	24°23	3°55	5°13	6°26	5°42	n.a.	F 30
S 31	20 10 53	0♌57'07	22♊43	13♋34	28♌29	2♉10	18♌ 3	13♏44	4♊24	24♏23	3♎57	5♓ 8	6♓22	5♐49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n44	20n31	4n38	18n44	4s 5	15n48	0s33	4n 2	1s53	18n31	1n 8	14s29	1n54	21n 2	0s 0	17s43	1n32	13n36	16n26	9s 2	8s42	25s57			n.a.
F 2	23 43	24 56	5 0	18 38	4 14	15 27	0 41	4 17	1 53	18 28	1 8	14 29	1 54	21 3	0 0	17 43	1 32	13 36	16 25	9 5	8 43	25 58			n.a.
S 3	23 42	27 42	5 1	18 34	4 22	15 5	0 49	4 32	1 53	18 24	1 8	14 28	1 53	21 3	0 0	17 43	1 32	13 35	16 24	9 8	8 44	26 0			n.a.
S 4	23 40	28 26	4 42	18 31	4 29	14 44	0 57	4 47	1 53	18 21	1 8	14 28	1 53	21 4	0 0	17 43	1 32	13 34	16 24	9 12	8 45	26 1			n.a.
M 5	23 37	27 5	4 3	18 30	4 35	14 23	1 6	5 2	1 52	18 17	1 8	14 27	1 53	21 4	0 0	17 42	1 32	13 34	16 23	9 15	8 46	26 2			n.a.
T 6	23 35	23 51	3 8	18 30	4 39	14 2	1 15	5 16	1 52	18 14	1 8	14 27	1 53	21 5	0 0	17 42	1 32	13 33	16 23	9 18	8 48	26 4			n.a.
W 7	23 31	19 13	2 3	18 32	4 41	13 40	1 24	5 31	1 52	18 11	1 8	14 27	1 53	21 6	0 0	17 42	1 32	13 32	16 22	9 19	8 49	26 5			n.a.
T 8	23 28	13 41	0 52	18 36	4 41	13 19	1 33	5 45	1 52	18 7	1 8	14 27	1 52	21 6	0 0	17 42	1 32	13 31	16 22	9 20	8 50	26 7			n.a.
F 9	23 24	7 41	0s19	18 41	4 40	12 58	1 43	6 0	1 52	18 4	1 8	14 26	1 52	21 7	0 0	17 42	1 32	13 30	16 21	9 20	8 51	26 8			n.a.
S 10	23 19	1 34	1 27	18 48	4 37	12 37	1 53	6 14	1 52	18 0	1 8	14 26	1 52	21 7	0n 0	17 41	1 32	13 30	16 20	9 20	8 52	26 10			n.a.
S 11	23 14	4s26	2 30	18 56	4 32	12 16	2 3	6 28	1 51	17 57	1 8	14 26	1 52	21 8	0 0	17 41	1 32	13 29	16 20	9 20	8 54	26 11			n.a.
M12	23 9	10 8	3 23	19 6	4 25	11 56	2 13	6 42	1 51	17 53	1 8	14 26	1 51	21 9	0 0	17 41	1 32	13 28	16 19	9 20	8 55	26 12			n.a.
T 13	23 3	15 21	4 7	19 17	4 16	11 35	2 23	6 56	1 51	17 50	1 8	14 26	1 51	21 9	0 0	17 41	1 32	13 27	16 19	9 20	8 56	26 14			n.a.
W14	22 57	19 57	4 39	19 29	4 6	11 15	2 34	7 9	1 51	17 46	1 8	14 25	1 51	21 10	0 0	17 41	1 32	13 26	16 18	9 22	8 57	26 15			n.a.
T 15	22 50	23 43	4 59	19 42	3 54	10 55	2 44	7 23	1 50	17 42	1 7	14 25	1 51	21 10	0 0	17 41	1 32	13 25	16 18	9 24	8 58	26 16			n.a.
F 16	22 44	26 30	5 6	19 56	3 41	10 35	2 55	7 37	1 50	17 39	1 7	14 25	1 51	21 11	0 0	17 40	1 32	13 25	16 17	9 26	9 0	26 18			n.a.
S 17	22 36	28 8	5 0	20 11	3 27	10 16	3 6	7 50	1 50	17 35	1 7	14 25	1 50	21 11	0 0	17 40	1 32	13 24	16 16	9 30	9 1	26 19			n.a.
S 18	22 28	28 26	4 41	20 27	3 12	9 57	3 18	8 3	1 49	17 31	1 7	14 25	1 50	21 12	0 0	17 40	1 32	13 23	16 16	9 33	9 2	26 21			n.a.
M19	22 20	27 23	4 9	20 43	2 57	9 38	3 29	8 17	1 49	17 28	1 7	14 25	1 50	21 13	0 0	17 40	1 32	13 22	16 15	9 36	9 3	26 22			n.a.
T 20	22 12	25 0	3 25	20 59	2 40	9 20	3 41	8 30	1 49	17 24	1 7	14 25	1 50	21 13	0 0	17 40	1 31	13 21	16 15	9 39	9 4	26 23			n.a.
W21	22 3	21 24	2 30	21 16	2 23	9 2	3 52	8 43	1 48	17 20	1 7	14 26	1 49	21 14	0 0	17 40	1 31	13 20	16 14	9 41	9 6	26 25			n.a.
T 22	21 53	16 46	1 28	21 32	2 6	8 45	4 4	8 55	1 48	17 16	1 7	14 26	1 49	21 14	0 0	17 40	1 31	13 19	16 14	9 42	9 7	26 26			n.a.
F 23	21 44	11 21	0 20	21 48	1 49	8 28	4 16	9 8	1 48	17 13	1 7	14 26	1 49	21 15	0 0	17 39	1 31	13 18	16 13	9 43	9 8	26 27			n.a.
S 24	21 34	5 21	0n51	22 4	1 32	8 12	4 28	9 21	1 47	17 9	1 7	14 26	1 49	21 15	0 0	17 39	1 31	13 17	16 12	9 43	9 9	26 28			n.a.
S 25	21 23	0n58	2 0	22 19	1 15	7 56	4 41	9 33	1 47	17 5	1 7	14 26	1 48	21 16	0 0	17 39	1 31	13 16	16 12	9 42	9 10	26 30			n.a.
M26	21 12	7 21	3 3	22 32	0 59	7 41	4 53	9 46	1 47	17 1	1 7	14 26	1 48	21 16	0 0	17 39	1 31	13 15	16 11	9 42	9 12	26 31			n.a.
T 27	21 1	13 31	3 58	22 45	0 42	7 26	5 6	9 58	1 46	16 57	1 7	14 27	1 48	21 17	0 0	17 39	1 31	13 14	16 11	9 41	9 13	26 32			n.a.
W28	20 50	19 8	4 39	22 56	0 27	7 13	5 18	10 10	1 46	16 53	1 7	14 27	1 48	21 17	0 0	17 39	1 31	13 13	16 10	9 41	9 14	26 34			n.a.
T 29	20 38	23 48	5 4	23 6	0 12	7 0	5 30	10 22	1 45	16 49	1 7	14 27	1 48	21 18	0 0	17 39	1 31	13 12	16 10	9 42	9 15	26 35			n.a.
F 30	20 25	27 3	5 11	23 14	0n 2	6 48	5 43	10 34	1 45	16 45	1 7	14 28	1 47	21 18	0 0	17 39	1 31	13 11	16 9	9 44	9 16	26 36			n.a.
S 31	20n13	28n29	4n57	23n19	0n16	6n36	5s55	10n45	1s44	16n41	1n 7	14s28	1n47	21n18	0n 0	17s39	1n31	13n10	16n 9	9s45	9s17	26s37			n.a.

Julian Day Number = 1543362.5, Delta T = 04h36m04s
Ecliptic obliquity = 23°45'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'20, Lahiri = -10°41'20 Julian Calendar 1 July 488 BCE == Greg. Calendar 26 June 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

AUGUST 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 14 50	1♌55'17	7♋27	14♋59	28°R26	2♉42	18♌15	13♏44	4♊26	24°R22	3♎58	5°R 3	6♓19	5♐56	n.a.	S 1
M 2	20 18 47	2°53'30	22° 6	16°30	28♌20	3°14	18°28	13°45	4°29	24♏22	3°59	4♓58	6°16	6° 3	n.a.	M 2
T 3	20 22 43	3°51'45	6♌33	18° 5	28°12	3°46	18°41	13°46	4°31	24°22	4° 1	4°55	6°13	6° 9	n.a.	T 3
W 4	20 26 40	4°50'01	20°42	19°44	28° 2	4°17	18°54	13°47	4°33	24°21	4° 2	4°53	6°10	6°16	n.a.	W 4
T 5	20 30 36	5°48'20	4♍28	21°26	27°49	4°48	19° 6	13°48	4°35	24°21	4° 4	4°D52	6° 7	6°23	n.a.	T 5
F 6	20 34 33	6°46'40	17°51	23°11	27°34	5°19	19°19	13°49	4°37	24°21	4° 5	4°52	6° 3	6°30	n.a.	F 6
S 7	20 38 29	7°45'01	0♎50	24°59	27°17	5°49	19°32	13°50	4°40	24°21	4° 7	4°54	6° 0	6°36	n.a.	S 7
S 8	20 42 26	8°43'25	13°28	26°48	26°57	6°19	19°45	13°51	4°42	24°20	4° 8	4°55	5°57	6°43	n.a.	S 8
M 9	20 46 22	9°41'50	25°48	28°39	26°35	6°49	19°58	13°53	4°43	24°20	4°10	4°57	5°54	6°50	n.a.	M 9
T 10	20 50 19	10°40'17	7♏54	0♌32	26°11	7°18	20°11	13°54	4°45	24°20	4°12	4°R58	5°51	6°56	n.a.	T 10
W11	20 54 16	11°38'45	19°52	2°25	25°45	7°48	20°24	13°56	4°47	24°20	4°13	4°57	5°47	7° 3	n.a.	W11
T 12	20 58 12	12°37'16	1♐45	4°18	25°17	8°16	20°37	13°58	4°49	24°D20	4°15	4°56	5°44	7°10	n.a.	T 12
F 13	21 2 9	13°35'48	13°38	6°12	24°48	8°45	20°50	13°59	4°51	24°20	4°17	4°54	5°41	7°17	n.a.	F 13
S 14	21 6 5	14°34'22	25°36	8° 6	24°16	9°13	21° 3	14° 1	4°53	24°20	4°19	4°51	5°38	7°23	n.a.	S 14
S 15	21 10 2	15°32'58	7♑42	9°59	23°44	9°41	21°16	14° 3	4°54	24°20	4°20	4°48	5°35	7°30	n.a.	S 15
M16	21 13 58	16°31'36	19°58	11°52	23°10	10° 8	21°29	14° 5	4°56	24°20	4°22	4°45	5°32	7°37	n.a.	M16
T 17	21 17 55	17°30'16	2♒27	13°45	22°35	10°36	21°42	14° 7	4°58	24°20	4°24	4°42	5°28	7°44	n.a.	T 17
W18	21 21 51	18°28'57	15° 9	15°37	21°59	11° 2	21°55	14°10	4°59	24°21	4°26	4°41	5°25	7°50	n.a.	W18
T 19	21 25 48	19°27'41	28° 5	17°29	21°22	11°29	22° 8	14°12	5° 1	24°21	4°28	4°40	5°22	7°57	n.a.	T 19
F 20	21 29 45	20°26'27	11♓15	19°19	20°46	11°55	22°21	14°14	5° 2	24°21	4°29	4°D40	5°19	8° 4	n.a.	F 20
S 21	21 33 41	21°25'15	24°38	21° 9	20° 9	12°21	22°34	14°17	5° 4	24°21	4°31	4°41	5°16	8°10	n.a.	S 21
S 22	21 37 38	22°24'05	8♈13	22°58	19°32	12°46	22°47	14°19	5° 5	24°22	4°33	4°42	5°13	8°17	n.a.	S 22
M23	21 41 34	23°22'58	22° 0	24°46	18°56	13°11	23° 0	14°22	5° 6	24°22	4°35	4°43	5° 9	8°24	n.a.	M23
T 24	21 45 31	24°21'53	5♉57	26°33	18°20	13°35	23°13	14°25	5° 8	24°22	4°37	4°43	5° 6	8°31	n.a.	T 24
W25	21 49 27	25°20'50	20° 2	28°20	17°45	13°59	23°26	14°28	5° 9	24°23	4°39	4°R44	5° 3	8°37	n.a.	W25
T 26	21 53 24	26°19'51	4♊14	0♍ 5	17°12	14°23	23°39	14°31	5°10	24°23	4°41	4°44	5° 0	8°44	n.a.	T 26
F 27	21 57 20	27°18'53	18°31	1°50	16°39	14°46	23°52	14°34	5°11	24°24	4°43	4°43	4°57	8°51	n.a.	F 27
S 28	22 1 17	28°17'58	2♋49	3°33	16° 8	15° 9	24° 5	14°37	5°12	24°24	4°45	4°43	4°53	8°58	n.a.	S 28
S 29	22 5 14	29°17'06	17° 5	5°16	15°39	15°31	24°18	14°40	5°13	24°25	4°47	4°42	4°50	9° 4	n.a.	S 29
M30	22 9 10	0♍16'15	1♌16	6°58	15°12	15°53	24°31	14°43	5°14	24°25	4°49	4°41	4°47	9°11	n.a.	M30
T 31	22 13 7	1♍15'27	15♌17	8♍39	14♌46	16♉15	24♌44	14♏47	5♊15	24♏26	4♎51	4♓41	4♓44	9♐18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	20n 0	27n55	4n23	23n22	0n29	6n26	6s 8	10n57	1s44	16n37	1n 7	14s28	1n47	21n19	0n 0	17s39	1n31	13n 9	16n 8	9s47		9s19		26s39			n.a.
M 2	19 46	25 24	3 32	23 23	0 40	6 16	6 20	11 8	1 43	16 33	1 7	14 29	1 47	21 19	0 0	17 39	1 31	13 8	16 8	9 49		9 20		26 40			n.a.
T 3	19 33	21 16	2 29	23 22	0 51	6 8	6 32	11 20	1 43	16 29	1 7	14 29	1 46	21 20	0 0	17 39	1 31	13 7	16 7	9 50		9 21		26 41			n.a.
W 4	19 19	16 0	1 17	23 17	1 1	6 0	6 44	11 31	1 42	16 25	1 7	14 30	1 46	21 20	0 0	17 39	1 31	13 6	16 7	9 51		9 22		26 42			n.a.
T 5	19 4	10 2	0 2	23 10	1 10	5 53	6 56	11 42	1 42	16 21	1 7	14 30	1 46	21 21	0 0	17 39	1 31	13 5	16 6	9 51		9 23		26 43			n.a.
F 6	18 49	3 47	1s11	23 1	1 18	5 48	7 7	11 53	1 41	16 17	1 7	14 31	1 46	21 21	0 0	17 39	1 31	13 4	16 6	9 51		9 25		26 45			n.a.
S 7	18 34	2s26	2 18	22 48	1 25	5 43	7 18	12 3	1 41	16 13	1 7	14 32	1 45	21 21	0 0	17 39	1 30	13 3	16 5	9 50		9 26		26 46			n.a.
S 8	18 19	8 23	3 16	22 34	1 31	5 40	7 29	12 14	1 40	16 9	1 7	14 32	1 45	21 22	0 0	17 39	1 30	13 2	16 5	9 50		9 27		26 47			n.a.
M 9	18 3	13 52	4 4	22 16	1 36	5 38	7 39	12 24	1 39	16 5	1 7	14 33	1 45	21 22	0 0	17 39	1 30	13 1	16 4	9 49		9 28		26 48			n.a.
T 10	17 47	18 44	4 40	21 56	1 40	5 37	7 48	12 35	1 39	16 1	1 7	14 33	1 45	21 22	0 0	17 39	1 30	13 0	16 4	9 49		9 29		26 49			n.a.
W11	17 31	22 48	5 3	21 34	1 44	5 37	7 58	12 45	1 38	15 56	1 7	14 34	1 44	21 23	0 0	17 39	1 30	12 59	16 3	9 49		9 31		26 51			n.a.
T 12	17 15	25 54	5 14	21 9	1 46	5 38	8 6	12 55	1 38	15 52	1 7	14 35	1 44	21 23	0 0	17 39	1 30	12 58	16 3	9 50		9 32		26 52			n.a.
F 13	16 58	27 53	5 11	20 43	1 48	5 40	8 14	13 5	1 37	15 48	1 7	14 36	1 44	21 24	0 0	17 39	1 30	12 57	16 3	9 50		9 33		26 53			n.a.
S 14	16 41	28 35	4 54	20 14	1 49	5 44	8 21	13 14	1 36	15 44	1 7	14 36	1 44	21 24	0 0	17 39	1 30	12 56	16 2	9 52		9 34		26 54			n.a.
S 15	16 23	27 56	4 24	19 44	1 49	5 48	8 27	13 24	1 35	15 40	1 7	14 37	1 44	21 24	0 0	17 39	1 30	12 55	16 2	9 53		9 35		26 55			n.a.
M16	16 5	25 54	3 42	19 12	1 49	5 54	8 33	13 33	1 35	15 35	1 7	14 38	1 43	21 24	0 0	17 39	1 30	12 53	16 1	9 54		9 36		26 56			n.a.
T 17	15 47	22 36	2 48	18 38	1 48	6 1	8 37	13 43	1 34	15 31	1 7	14 39	1 43	21 25	0 0	17 39	1 30	12 52	16 1	9 55		9 38		26 57			n.a.
W18	15 29	18 11	1 46	18 3	1 46	6 9	8 41	13 52	1 33	15 27	1 7	14 40	1 43	21 25	0 0	17 39	1 30	12 51	16 0	9 55		9 39		26 58			n.a.
T 19	15 11	12 52	0 36	17 27	1 44	6 18	8 44	14 1	1 32	15 23	1 7	14 41	1 43	21 25	0 0	17 39	1 30	12 50	16 0	9 56		9 40		27 0			n.a.
F 20	14 52	6 53	0n36	16 50	1 42	6 27	8 46	14 10	1 32	15 18	1 7	14 42	1 42	21 26	0 0	17 40	1 30	12 49	16 0	9 56		9 41		27 1			n.a.
S 21	14 33	0 30	1 48	16 12	1 39	6 38	8 47	14 18	1 31	15 14	1 7	14 43	1 42	21 26	0 0	17 40	1 30	12 48	15 59	9 55		9 42		27 2			n.a.
S 22	14 14	5n59	2 55	15 33	1 36	6 49	8 47	14 27	1 30	15 10	1 8	14 44	1 42	21 26	0 0	17 40	1 30	12 47	15 59	9 55		9 44		27 3			n.a.
M23	13 54	12 16	3 53	14 53	1 32	7 1	8 46	14 35	1 29	15 6	1 8	14 45	1 42	21 26	0 0	17 40	1 30	12 46	15 58	9 55		9 45		27 4			n.a.
T 24	13 34	18 2	4 38	14 12	1 28	7 13	8 44	14 43	1 28	15 1	1 8	14 46	1 42	21 27	0 0	17 40	1 29	12 45	15 58	9 54		9 46		27 5			n.a.
W25	13 15	22 53	5 6	13 31	1 23	7 27	8 41	14 52	1 27	14 57	1 8	14 47	1 41	21 27	0 0	17 40	1 29	12 43	15 58	9 54		9 47		27 6			n.a.
T 26	12 54	26 27	5 16	12 49	1 18	7 40	8 37	15 0	1 26	14 53	1 8	14 48	1 41	21 27	0 0	17 40	1 29	12 42	15 57	9 54		9 48		27 7			n.a.
F 27	12 34	28 21	5 7	12 6	1 13	7 54	8 33	15 7	1 25	14 48	1 8	14 49	1 41	21 27	0 0	17 41	1 29	12 41	15 57	9 54		9 49		27 8			n.a.
S 28	12 13	28 23	4 39	11 24	1 8	8 8	8 27	15 15	1 25	14 44	1 8	14 50	1 41	21 28	0 0	17 41	1 29	12 40	15 57	9 55		9 51		27 9			n.a.
S 29	11 52	26 31	3 54	10 40	1 3	8 22	8 21	15 22	1 24	14 40	1 8	14 51	1 40	21 28	0 0	17 41	1 29	12 39	15 56	9 55		9 52		27 10			n.a.
M30	11 31	22 59	2 55	9 57	0 57	8 37	8 14	15 30	1 23	14 35	1 8	14 52	1 40	21 28	0 1	17 41	1 29	12 38	15 56	9 55		9 53		27 11			n.a.
T 31	11n10	18n 9	1n45	9n13	0n51	8n51	8s 7	15n37	1s22	14n31	1n 8	14s54	1n40	21n28	0n 1	17s41	1n29	12n37	15n56	9s55		9s54		27s12			n.a.

Julian Day Number = 1543393.5, Delta T = 04h36m02s
Ecliptic obliquity = 23°45'23, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'16, Lahiri = -10°41'15 Julian Calendar 1 Aug. 488 BCE == Greg. Calendar 27 July 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

SEPTEMBER 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 17 3	2♍14'41	29♌ 4	10♍19	14°R23	16♉36	24♌57	14♏50	5♊16	24♏26	4♎54	4°D41	4♓41	9♐24	n.a.	W 1
T 2	22 21 0	3°13'58	12♍36	11°58	14♌ 2	16°56	25°10	14°54	5°17	24°27	4°56	4♓41	4°38	9°31	n.a.	T 2
F 3	22 24 56	4°13'16	25°49	13°36	13°43	17°16	25°23	14°57	5°18	24°28	4°58	4°R41	4°34	9°38	n.a.	F 3
S 4	22 28 53	5°12'37	8♎43	15°14	13°26	17°35	25°36	15° 1	5°18	24°29	5° 0	4°41	4°31	9°45	n.a.	S 4
S 5	22 32 49	6°11'59	21°19	16°51	13°12	17°54	25°49	15° 5	5°19	24°29	5° 2	4°41	4°28	9°51	n.a.	S 5
M 6	22 36 46	7°11'24	3♏40	18°27	13° 0	18°12	26° 2	15° 9	5°20	24°30	5° 4	4°41	4°25	9°58	n.a.	M 6
T 7	22 40 42	8°10'50	15°47	20° 2	12°51	18°30	26°15	15°13	5°20	24°31	5° 7	4°40	4°22	10° 5	n.a.	T 7
W 8	22 44 39	9°10'18	27°45	21°37	12°44	18°47	26°28	15°17	5°21	24°32	5° 9	4°40	4°19	10°11	n.a.	W 8
T 9	22 48 36	10° 9'49	9♐39	23°10	12°39	19° 4	26°41	15°21	5°21	24°33	5°11	4°D40	4°15	10°18	n.a.	T 9
F 10	22 52 32	11° 9'21	21°32	24°44	12°D37	19°20	26°54	15°25	5°21	24°34	5°13	4°40	4°12	10°25	n.a.	F 10
S 11	22 56 29	12° 8'55	3♑30	26°16	12°37	19°35	27° 6	15°29	5°22	24°35	5°16	4°40	4° 9	10°32	n.a.	S 11
S 12	23 0 25	13° 8'31	15°37	27°48	12°40	19°50	27°19	15°34	5°22	24°36	5°18	4°41	4° 6	10°38	n.a.	S 12
M13	23 4 22	14° 8'09	27°57	29°19	12°44	20° 4	27°32	15°38	5°22	24°37	5°20	4°42	4° 3	10°45	n.a.	M13
T 14	23 8 18	15° 7'49	10♒33	0♎49	12°52	20°18	27°45	15°43	5°22	24°38	5°23	4°43	3°59	10°52	n.a.	T 14
W15	23 12 15	16° 7'30	23°28	2°19	13° 1	20°31	27°58	15°47	5°23	24°39	5°25	4°44	3°56	10°59	n.a.	W15
T 16	23 16 11	17° 7'14	6♓42	3°48	13°13	20°43	28°10	15°52	5°23	24°40	5°27	4°R44	3°53	11° 5	n.a.	T 16
F 17	23 20 8	18° 6'59	20°15	5°16	13°26	20°55	28°23	15°56	5°R23	24°41	5°30	4°44	3°50	11°12	n.a.	F 17
S 18	23 24 5	19° 6'47	4♈ 5	6°43	13°42	21° 6	28°36	16° 1	5°23	24°42	5°32	4°42	3°47	11°19	n.a.	S 18
S 19	23 28 1	20° 6'37	18° 9	8°10	14° 0	21°16	28°48	16° 6	5°22	24°43	5°34	4°41	3°44	11°25	n.a.	S 19
M20	23 31 58	21° 6'29	2♉23	9°36	14°20	21°25	29° 1	16°11	5°22	24°44	5°37	4°38	3°40	11°32	n.a.	M20
T 21	23 35 54	22° 6'24	16°42	11° 2	14°41	21°34	29°13	16°16	5°22	24°46	5°39	4°36	3°37	11°39	n.a.	T 21
W22	23 39 51	23° 6'20	1♊ 1	12°26	15° 5	21°42	29°26	16°21	5°22	24°47	5°42	4°34	3°34	11°46	n.a.	W22
T 23	23 43 47	24° 6'20	15°18	13°50	15°30	21°50	29°38	16°26	5°22	24°48	5°44	4°33	3°31	11°52	n.a.	T 23
F 24	23 47 44	25° 6'21	29°29	15°13	15°57	21°56	29°51	16°31	5°21	24°50	5°46	4°D33	3°28	11°59	n.a.	F 24
S 25	23 51 40	26° 6'25	13♋32	16°35	16°26	22° 2	0♍ 3	16°36	5°21	24°51	5°49	4°34	3°24	12° 6	n.a.	S 25
S 26	23 55 37	27° 6'31	27°26	17°56	16°56	22° 7	0°15	16°42	5°20	24°52	5°51	4°35	3°21	12°13	n.a.	S 26
M27	23 59 34	28° 6'39	11♌10	19°15	17°28	22°11	0°28	16°47	5°20	24°54	5°54	4°37	3°18	12°19	n.a.	M27
T 28	0 3 30	29° 6'50	24°43	20°34	18° 1	22°15	0°40	16°52	5°19	24°55	5°56	4°38	3°15	12°26	n.a.	T 28
W29	0 7 27	0♎ 7'02	8♍ 5	21°52	18°36	22°17	0°52	16°58	5°19	24°57	5°58	4°R38	3°12	12°33	n.a.	W29
T 30	0 11 23	1♎ 7'17	21♍13	23♎ 8	19♌12	22♉19	1♍ 4	17♏ 3	5♊18	24♏58	6♎ 1	4♓37	3♓ 9	12♐39	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n49	12n26	0n31	8n29	0n45	9n 6	7s59	15n44	1s20	14n26	1n 8	14s55	1n40	21n28	0n 1	17s42	1n29	12n36	15n55	9s55	9s55	27s13		n.a.
T 2	10 27	6 15	0s44	7 45	0 39	9 20	7 50	15 51	1 19	14 22	1 8	14 56	1 40	21 28	0 1	17 42	1 29	12 34	15 55	9 55	9 56	27 14		n.a.
F 3	10 5	0s 4	1 54	7 1	0 32	9 34	7 41	15 58	1 18	14 18	1 8	14 57	1 39	21 29	0 1	17 42	1 29	12 33	15 55	9 55	9 58	27 15		n.a.
S 4	9 43	6 13	2 58	6 17	0 26	9 48	7 31	16 4	1 17	14 13	1 8	14 59	1 39	21 29	0 1	17 42	1 29	12 32	15 54	9 55	9 59	27 16		n.a.
S 5	9 21	11 59	3 51	5 33	0 19	10 2	7 21	16 11	1 16	14 9	1 8	15 0	1 39	21 29	0 1	17 43	1 29	12 31	15 54	9 55	10 0	27 17		n.a.
M 6	8 59	17 9	4 32	4 49	0 12	10 16	7 10	16 17	1 15	14 5	1 8	15 1	1 39	21 29	0 1	17 43	1 29	12 30	15 54	9 55	10 1	27 18		n.a.
T 7	8 37	21 33	5 0	4 5	0 6	10 29	6 59	16 23	1 14	14 0	1 8	15 3	1 39	21 29	0 1	17 43	1 29	12 29	15 53	9 55	10 2	27 19		n.a.
W 8	8 14	25 1	5 14	3 21	0s 1	10 41	6 48	16 29	1 12	13 56	1 8	15 4	1 38	21 29	0 1	17 43	1 29	12 28	15 53	9 56	10 3	27 20		n.a.
T 9	7 51	27 23	5 16	2 37	0 8	10 54	6 37	16 35	1 11	13 51	1 9	15 5	1 38	21 29	0 1	17 44	1 29	12 26	15 53	9 56	10 5	27 21		n.a.
F 10	7 29	28 31	5 3	1 53	0 15	11 5	6 25	16 40	1 10	13 47	1 9	15 7	1 38	21 29	0 1	17 44	1 28	12 25	15 53	9 56	10 6	27 22		n.a.
S 11	7 6	28 20	4 38	1 10	0 22	11 16	6 13	16 46	1 9	13 43	1 9	15 8	1 38	21 29	0 1	17 44	1 28	12 24	15 52	9 55	10 7	27 23		n.a.
S 12	6 43	26 48	4 0	0 27	0 29	11 27	6 2	16 51	1 7	13 38	1 9	15 10	1 38	21 29	0 1	17 44	1 28	12 23	15 52	9 55	10 8	27 24		n.a.
M13	6 19	23 57	3 10	0s16	0 36	11 37	5 50	16 56	1 6	13 34	1 9	15 11	1 37	21 30	0 1	17 45	1 28	12 22	15 52	9 55	10 9	27 25		n.a.
T 14	5 56	19 54	2 10	0 59	0 43	11 47	5 38	17 1	1 4	13 30	1 9	15 13	1 37	21 30	0 1	17 45	1 28	12 21	15 52	9 54	10 11	27 25		n.a.
W15	5 33	14 51	1 2	1 42	0 50	11 56	5 26	17 6	1 3	13 25	1 9	15 14	1 37	21 30	0 1	17 45	1 28	12 20	15 52	9 54	10 12	27 26		n.a.
T 16	5 9	9 0	0n11	2 24	0 57	12 4	5 14	17 11	1 2	13 21	1 9	15 16	1 37	21 30	0 1	17 46	1 28	12 19	15 51	9 54	10 13	27 27		n.a.
F 17	4 46	2 37	1 25	3 5	1 4	12 12	5 2	17 15	1 0	13 16	1 9	15 17	1 37	21 30	0 1	17 46	1 28	12 18	15 51	9 54	10 14	27 28		n.a.
S 18	4 22	4n 1	2 35	3 47	1 10	12 19	4 50	17 20	0 59	13 12	1 9	15 19	1 36	21 30	0 1	17 46	1 28	12 16	15 51	9 55	10 15	27 29		n.a.
S 19	3 58	10 33	3 37	4 28	1 17	12 25	4 38	17 24	0 57	13 8	1 9	15 20	1 36	21 30	0 1	17 47	1 28	12 15	15 51	9 55	10 16	27 30		n.a.
M20	3 34	16 37	4 27	5 8	1 24	12 30	4 26	17 28	0 55	13 3	1 10	15 22	1 36	21 30	0 1	17 47	1 28	12 14	15 51	9 56	10 18	27 31		n.a.
T 21	3 10	21 49	5 0	5 48	1 30	12 35	4 14	17 32	0 54	12 59	1 10	15 24	1 36	21 30	0 1	17 47	1 28	12 13	15 50	9 57	10 19	27 32		n.a.
W22	2 46	25 45	5 14	6 28	1 37	12 40	4 3	17 36	0 52	12 55	1 10	15 25	1 36	21 30	0 1	17 48	1 28	12 12	15 50	9 58	10 20	27 32		n.a.
T 23	2 22	28 4	5 9	7 6	1 43	12 43	3 51	17 39	0 50	12 50	1 10	15 27	1 36	21 30	0 1	17 48	1 28	12 11	15 50	9 58	10 21	27 33		n.a.
F 24	1 58	28 31	4 46	7 45	1 49	12 46	3 40	17 43	0 49	12 46	1 10	15 28	1 35	21 29	0 1	17 48	1 28	12 10	15 50	9 58	10 22	27 34		n.a.
S 25	1 34	27 7	4 5	8 22	1 55	12 48	3 29	17 46	0 47	12 42	1 10	15 30	1 35	21 29	0 1	17 49	1 28	12 9	15 50	9 58	10 23	27 35		n.a.
S 26	1 10	24 3	3 10	8 59	2 1	12 50	3 18	17 49	0 45	12 37	1 10	15 32	1 35	21 29	0 1	17 49	1 28	12 8	15 50	9 57	10 24	27 36		n.a.
M27	0 46	19 40	2 5	9 35	2 7	12 50	3 7	17 52	0 43	12 33	1 10	15 33	1 35	21 29	0 1	17 50	1 28	12 7	15 50	9 57	10 26	27 36		n.a.
T 28	0 21	14 18	0 54	10 10	2 12	12 50	2 56	17 54	0 41	12 29	1 10	15 35	1 35	21 29	0 1	17 50	1 28	12 6	15 50	9 56	10 27	27 37		n.a.
W29	0s 3	8 22	0s19	10 44	2 17	12 50	2 46	17 57	0 40	12 24	1 11	15 37	1 35	21 29	0 1	17 50	1 27	12 5	15 49	9 56	10 28	27 38		n.a.
T 30	0s27	2n 9	1s30	11s18	2s22	12n48	2s35	17n59	0s38	12n20	1n11	15s39	1n34	21n29	0n 1	17s51	1n27	12n 4	15n49	9s57	10s29	27s39		n.a.

Julian Day Number = 1543424.5, Delta T = 04h36m01s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'12, Lahiri = -10°41'11 Julian Calendar 1 Sept. 488 BCE == Greg. Calendar 27 Aug. 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

OCTOBER 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 15 20	2♎ 7'33	4♎ 9	24♎23	19♌50	22♉20	1♍16	17♏ 9	5°R17	25♏ 0	6♎ 3	4°R35	3♓ 5	12♐46	n.a.	F 1
S 2	0 19 16	3° 7'52	16°51	25°36	20°28	22°R20	1°28	17°15	5♊16	25° 1	6° 6	4♓31	3° 2	12°53	n.a.	S 2
S 3	0 23 13	4° 8'12	29°20	26°47	21° 8	22°20	1°40	17°20	5°16	25° 3	6° 8	4°26	2°59	13° 0	n.a.	S 3
M 4	0 27 9	5° 8'34	11♏36	27°56	21°49	22°18	1°52	17°26	5°15	25° 4	6°11	4°20	2°56	13° 6	n.a.	M 4
T 5	0 31 6	6° 8'57	23°42	29° 3	22°32	22°15	2° 4	17°32	5°14	25° 6	6°13	4°15	2°53	13°13	n.a.	T 5
W 6	0 35 2	7° 9'23	5♐39	0♏ 7	23°15	22°12	2°16	17°38	5°13	25° 8	6°15	4°10	2°50	13°20	n.a.	W 6
T 7	0 38 59	8° 9'50	17°32	1° 9	23°59	22° 8	2°28	17°44	5°12	25° 9	6°18	4° 6	2°46	13°26	n.a.	T 7
F 8	0 42 56	9°10'18	29°23	2° 7	24°45	22° 3	2°39	17°49	5°11	25°11	6°20	4° 4	2°43	13°33	n.a.	F 8
S 9	0 46 52	10°10'48	11♑18	3° 2	25°31	21°57	2°51	17°55	5°10	25°13	6°23	4°D 4	2°40	13°40	n.a.	S 9
S 10	0 50 49	11°11'19	23°23	3°53	26°18	21°50	3° 3	18° 1	5° 8	25°15	6°25	4° 4	2°37	13°47	n.a.	S 10
M11	0 54 45	12°11'52	5♒40	4°39	27° 7	21°42	3°14	18° 8	5° 7	25°16	6°28	4° 6	2°34	13°53	n.a.	M11
T 12	0 58 42	13°12'26	18°17	5°21	27°56	21°34	3°26	18°14	5° 6	25°18	6°30	4° 7	2°30	14° 0	n.a.	T 12
W13	1 2 38	14°13'02	1♓15	5°56	28°46	21°24	3°37	18°20	5° 5	25°20	6°33	4°R 8	2°27	14° 7	n.a.	W13
T 14	1 6 35	15°13'38	14°38	6°26	29°36	21°14	3°48	18°26	5° 3	25°22	6°35	4° 8	2°24	14°13	n.a.	T 14
F 15	1 10 31	16°14'17	28°27	6°48	0♍28	21° 3	4° 0	18°32	5° 2	25°24	6°37	4° 5	2°21	14°20	n.a.	F 15
S 16	1 14 28	17°14'56	12♈39	7° 2	1°20	20°51	4°11	18°39	5° 0	25°25	6°40	4° 1	2°18	14°27	n.a.	S 16
S 17	1 18 25	18°15'38	27°10	7°R 8	2°13	20°38	4°22	18°45	4°59	25°27	6°42	3°55	2°15	14°34	n.a.	S 17
M18	1 22 21	19°16'21	11♉54	7° 5	3° 7	20°25	4°33	18°51	4°57	25°29	6°45	3°48	2°11	14°40	n.a.	M18
T 19	1 26 18	20°17'05	26°42	6°52	4° 1	20°10	4°44	18°58	4°56	25°31	6°47	3°40	2° 8	14°47	n.a.	T 19
W20	1 30 14	21°17'51	11♊26	6°28	4°56	19°55	4°55	19° 4	4°54	25°33	6°49	3°34	2° 5	14°54	n.a.	W20
T 21	1 34 11	22°18'39	26° 0	5°54	5°52	19°39	5° 5	19°11	4°52	25°35	6°52	3°29	2° 2	15° 1	n.a.	T 21
F 22	1 38 7	23°19'29	10♋19	5° 9	6°48	19°22	5°16	19°17	4°51	25°37	6°54	3°26	1°59	15° 7	n.a.	F 22
S 23	1 42 4	24°20'20	24°21	4°14	7°45	19° 5	5°27	19°24	4°49	25°39	6°56	3°D25	1°56	15°14	n.a.	S 23
S 24	1 46 0	25°21'13	8♌ 5	3°10	8°43	18°47	5°37	19°30	4°47	25°41	6°59	3°26	1°52	15°21	n.a.	S 24
M25	1 49 57	26°22'07	21°32	1°58	9°41	18°28	5°47	19°37	4°45	25°43	7° 1	3°27	1°49	15°27	n.a.	M25
T 26	1 53 54	27°23'03	4♍43	0°40	10°39	18° 9	5°58	19°44	4°43	25°45	7° 4	3°R27	1°46	15°34	n.a.	T 26
W27	1 57 50	28°24'01	17°42	29♎18	11°38	17°49	6° 8	19°50	4°42	25°47	7° 6	3°26	1°43	15°41	n.a.	W27
T 28	2 1 47	29°24'59	0♎28	27°56	12°38	17°28	6°18	19°57	4°40	25°49	7° 8	3°23	1°40	15°48	n.a.	T 28
F 29	2 5 43	0♏25'59	13° 4	26°36	13°38	17° 7	6°28	20° 4	4°38	25°51	7°10	3°17	1°36	15°54	n.a.	F 29
S 30	2 9 40	1°27'01	25°31	25°20	14°38	16°46	6°38	20°10	4°36	25°53	7°13	3° 8	1°33	16° 1	n.a.	S 30
S 31	2 13 36	2♏28'03	7♏48	24♎11	15♍39	16♉24	6♍48	20♏17	4♊34	25♏55	7♎15	2♓57	1♓30	16♐ 8	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	0s51	4s 2	2s35	11s50	2s26	12n46	2s25	18n 1	0s36	12n16	1n11	15s40	1n34	21n29	0n 1	17s51	1n27	12n 3	15n49	9s58	10s30	27s39		n.a.	
S 2	1 16	9 56	3 31	12 21	2 30	12 44	2 15	18 3	0 34	12 12	1 11	15 42	1 34	21 29	0 1	17 52	1 27	12 2	15 49	9 59	10 31	27 40		n.a.	
S 3	1 40	15 21	4 15	12 51	2 34	12 40	2 5	18 5	0 32	12 7	1 11	15 44	1 34	21 29	0 1	17 52	1 27	12 1	15 49	10 1	10 33	27 41		n.a.	
M 4	2 4	20 4	4 47	13 19	2 38	12 36	1 55	18 7	0 30	12 3	1 11	15 46	1 34	21 28	0 1	17 53	1 27	12 0	15 49	10 3	10 34	27 42		n.a.	
T 5	2 28	23 53	5 6	13 47	2 41	12 31	1 46	18 8	0 27	11 59	1 11	15 47	1 34	21 28	0 1	17 53	1 27	11 59	15 49	10 5	10 35	27 42		n.a.	
W 6	2 53	26 38	5 11	14 12	2 43	12 26	1 36	18 9	0 25	11 55	1 12	15 49	1 33	21 28	0 1	17 53	1 27	11 58	15 49	10 7	10 36	27 43		n.a.	
T 7	3 17	28 11	5 3	14 36	2 45	12 20	1 27	18 10	0 23	11 51	1 12	15 51	1 33	21 28	0 1	17 54	1 27	11 57	15 49	10 8	10 37	27 44		n.a.	
F 8	3 41	28 27	4 42	14 58	2 46	12 13	1 18	18 11	0 21	11 47	1 12	15 53	1 33	21 28	0 1	17 54	1 27	11 56	15 49	10 9	10 38	27 45		n.a.	
S 9	4 5	27 23	4 8	15 17	2 47	12 6	1 9	18 12	0 19	11 43	1 12	15 55	1 33	21 28	0 1	17 55	1 27	11 55	15 49	10 9	10 40	27 45		n.a.	
S 10	4 29	25 2	3 23	15 35	2 47	11 58	1 1	18 12	0 16	11 38	1 12	15 56	1 33	21 27	0 1	17 55	1 27	11 54	15 49	10 9	10 41	27 46		n.a.	
M11	4 53	21 30	2 28	15 50	2 46	11 49	0 52	18 13	0 14	11 34	1 12	15 58	1 33	21 27	0 1	17 56	1 27	11 53	15 49	10 8	10 42	27 47		n.a.	
T 12	5 17	16 54	1 25	16 2	2 44	11 40	0 44	18 13	0 11	11 30	1 12	16 0	1 33	21 27	0 1	17 56	1 27	11 52	15 49	10 8	10 43	27 47		n.a.	
W13	5 41	11 25	0 16	16 12	2 41	11 30	0 36	18 12	0 9	11 26	1 13	16 2	1 32	21 27	0 1	17 57	1 27	11 51	15 49	10 7	10 44	27 48		n.a.	
T 14	6 4	5 15	0n57	16 18	2 37	11 19	0 28	18 12	0 7	11 22	1 13	16 4	1 32	21 26	0 1	17 57	1 27	11 50	15 49	10 7	10 45	27 49		n.a.	
F 15	6 28	1n19	2 8	16 20	2 31	11 8	0 20	18 11	0 4	11 18	1 13	16 6	1 32	21 26	0 1	17 58	1 27	11 49	15 49	10 8	10 47	27 49		n.a.	
S 16	6 52	8 1	3 13	16 19	2 25	10 57	0 13	18 11	0 2	11 14	1 13	16 8	1 32	21 26	0 1	17 58	1 27	11 48	15 49	10 10	10 48	27 50		n.a.	
S 17	7 15	14 26	4 7	16 14	2 17	10 44	0 6	18 10	0n 1	11 10	1 13	16 9	1 32	21 26	0 1	17 59	1 27	11 47	15 49	10 12	10 49	27 50		n.a.	
M18	7 38	20 7	4 45	16 4	2 7	10 31	0n 2	18 9	0 3	11 6	1 13	16 11	1 32	21 25	0 1	17 59	1 27	11 46	15 49	10 15	10 50	27 51		n.a.	
T 19	8 2	24 37	5 5	15 49	1 56	10 18	0 9	18 7	0 6	11 3	1 14	16 13	1 32	21 25	0 1	18 0	1 27	11 46	15 49	10 18	10 51	27 52		n.a.	
W20	8 25	27 28	5 4	15 29	1 43	10 4	0 15	18 6	0 9	10 59	1 14	16 15	1 32	21 25	0 1	18 0	1 27	11 45	15 50	10 20	10 52	27 52		n.a.	
T 21	8 48	28 26	4 44	15 4	1 29	9 49	0 22	18 4	0 11	10 55	1 14	16 17	1 31	21 24	0 1	18 1	1 27	11 44	15 50	10 22	10 53	27 53		n.a.	
F 22	9 11	27 26	4 6	14 33	1 13	9 34	0 28	18 2	0 14	10 51	1 14	16 19	1 31	21 24	0 1	18 1	1 27	11 43	15 50	10 23	10 55	27 54		n.a.	
S 23	9 33	24 43	3 14	13 58	0 55	9 18	0 35	17 59	0 17	10 47	1 14	16 21	1 31	21 24	0 1	18 2	1 27	11 42	15 50	10 23	10 56	27 54		n.a.	
S 24	9 56	20 37	2 12	13 18	0 36	9 2	0 41	17 57	0 19	10 43	1 14	16 23	1 31	21 24	0 1	18 2	1 26	11 41	15 50	10 23	10 57	27 55		n.a.	
M25	10 18	15 31	1 4	12 34	0 16	8 46	0 47	17 54	0 22	10 40	1 15	16 25	1 31	21 23	0 1	18 3	1 26	11 41	15 50	10 22	10 58	27 55		n.a.	
T 26	10 41	9 48	0s 7	11 47	0n 4	8 28	0 52	17 51	0 25	10 36	1 15	16 27	1 31	21 23	0 1	18 3	1 26	11 40	15 50	10 22	10 59	27 56		n.a.	
W27	11 3	3 46	1 16	10 59	0 25	8 11	0 58	17 48	0 27	10 32	1 15	16 28	1 31	21 23	0 1	18 4	1 26	11 39	15 50	10 23	11 0	27 56		n.a.	
T 28	11 25	2s19	2 19	10 10	0 45	7 53	1 3	17 45	0 30	10 29	1 15	16 30	1 31	21 22	0 1	18 4	1 26	11 38	15 51	10 24	11 1	27 57		n.a.	
F 29	11 46	8 13	3 15	9 23	1 5	7 34	1 8	17 42	0 33	10 25	1 15	16 32	1 31	21 22	0 1	18 5	1 26	11 38	15 51	10 26	11 3	27 57		n.a.	
S 30	12 8	13 43	4 1	8 38	1 23	7 15	1 14	17 38	0 36	10 22	1 16	16 34	1 31	21 21	0 1	18 5	1 26	11 37	15 51	10 29	11 4	27 58		n.a.	
S 31	12s29	18s37	4s35	7s58	1n39	6n56	1n18	17n34	0n38	10n18	1n16	16s36	1n30	21n21	0n 1	18s 6	1n26	11n36	15n51	10s33	11s 5	27s58		n.a.	

Julian Day Number = 1543454.5, Delta T = 04h36m00s
Ecliptic obliquity = 23°45'24, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'07, Lahiri = -10°41'07 Julian Calendar 1 Oct. 488 BCE == Greg. Calendar 26 Sept. 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

NOVEMBER 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 17 33	3♏29'06	19♏56	23°R11	16♍41	16°R 1	6♍58	20♏24	4°R31	25♏58	7♎17	2°R45	1♓27	16♐14	n.a.	M 1
T 2	2 21 29	4°30'11	1♐57	22♎22	17°42	15♉39	7° 7	20°31	4♊29	26° 0	7°19	2♓32	1°24	16°21	n.a.	T 2
W 3	2 25 26	5°31'16	13°52	21°43	18°45	15°16	7°17	20°38	4°27	26° 2	7°22	2°21	1°21	16°28	n.a.	W 3
T 4	2 29 23	6°32'22	25°43	21°16	19°47	14°53	7°26	20°45	4°25	26° 4	7°24	2°11	1°17	16°35	n.a.	T 4
F 5	2 33 19	7°33'29	7♑32	21° 1	20°50	14°29	7°36	20°51	4°23	26° 6	7°26	2° 4	1°14	16°41	n.a.	F 5
S 6	2 37 16	8°34'37	19°25	20°D56	21°53	14° 6	7°45	20°58	4°21	26° 8	7°28	2° 0	1°11	16°48	n.a.	S 6
S 7	2 41 12	9°35'45	1♒25	21° 1	22°57	13°42	7°54	21° 5	4°18	26°11	7°30	1°58	1° 8	16°55	n.a.	S 7
M 8	2 45 9	10°36'53	13°38	21°17	24° 1	13°18	8° 3	21°12	4°16	26°13	7°33	1°D57	1° 5	17° 2	n.a.	M 8
T 9	2 49 5	11°38'02	26° 8	21°40	25° 5	12°55	8°12	21°19	4°14	26°15	7°35	1°R58	1° 1	17° 8	n.a.	T 9
W10	2 53 2	12°39'12	9♓ 2	22°12	26°10	12°31	8°21	21°26	4°11	26°17	7°37	1°58	0°58	17°15	n.a.	W10
T 11	2 56 58	13°40'22	22°23	22°51	27°15	12° 8	8°29	21°33	4° 9	26°19	7°39	1°56	0°55	17°22	n.a.	T 11
F 12	3 0 55	14°41'32	6♈13	23°36	28°20	11°44	8°38	21°40	4° 7	26°22	7°41	1°52	0°52	17°28	n.a.	F 12
S 13	3 4 52	15°42'43	20°32	24°26	29°25	11°21	8°46	21°47	4° 4	26°24	7°43	1°45	0°49	17°35	n.a.	S 13
S 14	3 8 48	16°43'54	5♉18	25°22	0♎31	10°58	8°54	21°54	4° 2	26°26	7°45	1°36	0°46	17°42	n.a.	S 14
M15	3 12 45	17°45'06	20°21	26°21	1°37	10°36	9° 3	22° 1	3°59	26°28	7°47	1°25	0°42	17°49	n.a.	M15
T 16	3 16 41	18°46'18	5♊34	27°25	2°43	10°14	9°11	22° 8	3°57	26°31	7°49	1°13	0°39	17°55	n.a.	T 16
W17	3 20 38	19°47'31	20°43	28°32	3°50	9°52	9°18	22°15	3°54	26°33	7°51	1° 2	0°36	18° 2	n.a.	W17
T 18	3 24 34	20°48'44	5♋41	29°41	4°56	9°30	9°26	22°22	3°52	26°35	7°53	0°54	0°33	18° 9	n.a.	T 18
F 19	3 28 31	21°49'59	20°18	0♏53	6° 3	9° 9	9°34	22°29	3°49	26°37	7°55	0°48	0°30	18°15	n.a.	F 19
S 20	3 32 28	22°51'13	4♌31	2° 8	7°11	8°49	9°41	22°36	3°47	26°40	7°57	0°45	0°27	18°22	n.a.	S 20
S 21	3 36 24	23°52'28	18°19	3°24	8°18	8°29	9°49	22°43	3°44	26°42	7°59	0°44	0°23	18°29	n.a.	S 21
M22	3 40 21	24°53'44	1♍43	4°42	9°26	8°10	9°56	22°50	3°42	26°44	8° 0	0°44	0°20	18°36	n.a.	M22
T 23	3 44 17	25°55'00	14°46	6° 2	10°34	7°51	10° 3	22°57	3°39	26°46	8° 2	0°44	0°17	18°42	n.a.	T 23
W24	3 48 14	26°56'17	27°32	7°22	11°42	7°33	10°10	23° 4	3°37	26°49	8° 4	0°42	0°14	18°49	n.a.	W24
T 25	3 52 10	27°57'34	10♎ 4	8°45	12°50	7°16	10°17	23°11	3°34	26°51	8° 6	0°37	0°11	18°56	n.a.	T 25
F 26	3 56 7	28°58'51	22°24	10° 8	13°58	6°59	10°23	23°18	3°32	26°53	8° 8	0°29	0° 7	19° 2	n.a.	F 26
S 27	4 0 3	0♐ 0'09	4♏36	11°32	15° 7	6°43	10°30	23°25	3°29	26°56	8° 9	0°18	0° 4	19° 9	n.a.	S 27
S 28	4 4 0	1° 1'27	16°42	12°57	16°16	6°28	10°36	23°32	3°26	26°58	8°11	0° 4	0° 1	19°16	n.a.	S 28
M29	4 7 57	2° 2'45	28°41	14°22	17°25	6°13	10°42	23°39	3°24	27° 0	8°13	29♒49	29♒58	19°23	n.a.	M29
T 30	4 11 53	3♐ 4'03	10♐37	15♏49	18♎34	5♉59	10♍48	23♏46	3♊21	27♏ 2	8♎14	29♒34	29♒55	19♐29	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s51	22s41	4s55	7s22	1n54	6n36	1n23	17n30	0n41	10n15	1n16	16s38	1n30	21n21	0n 1	18s 6	1n26	11n35	15n51	10s38	11s 6	27s59		n.a.
T 2	13 11	25 46	5 3	6 52	2 7	6 16	1 28	17 26	0 44	10 11	1 16	16 40	1 30	21 20	0 1	18 7	1 26	11 35	15 52	10 42	11 7	27 59		n.a.
W 3	13 32	27 40	4 57	6 27	2 17	5 55	1 32	17 22	0 46	10 8	1 16	16 42	1 30	21 20	0 1	18 7	1 26	11 34	15 52	10 47	11 8	28 0		n.a.
T 4	13 53	28 19	4 38	6 10	2 26	5 34	1 36	17 17	0 49	10 4	1 17	16 44	1 30	21 20	0 1	18 8	1 26	11 33	15 52	10 50	11 10	28 0		n.a.
F 5	14 13	27 39	4 7	5 58	2 32	5 13	1 40	17 13	0 52	10 1	1 17	16 46	1 30	21 19	0 1	18 8	1 26	11 33	15 52	10 53	11 11	28 1		n.a.
S 6	14 33	25 43	3 26	5 52	2 37	4 51	1 44	17 8	0 54	9 58	1 17	16 48	1 30	21 19	0 1	18 9	1 26	11 32	15 52	10 54	11 12	28 1		n.a.
S 7	14 53	22 37	2 35	5 51	2 39	4 29	1 48	17 4	0 57	9 55	1 17	16 50	1 30	21 18	0 1	18 9	1 26	11 31	15 53	10 55	11 13	28 2		n.a.
M 8	15 12	18 29	1 36	5 56	2 41	4 6	1 51	16 59	0 59	9 51	1 18	16 51	1 30	21 18	0 1	18 10	1 26	11 31	15 53	10 55	11 14	28 2		n.a.
T 9	15 31	13 27	0 31	6 4	2 41	3 44	1 55	16 54	1 2	9 48	1 18	16 53	1 30	21 18	0 1	18 11	1 26	11 30	15 53	10 55	11 15	28 3		n.a.
W10	15 50	7 43	0n37	6 17	2 40	3 21	1 58	16 49	1 4	9 45	1 18	16 55	1 30	21 17	0 1	18 11	1 26	11 30	15 53	10 55	11 16	28 3		n.a.
T 11	16 9	1 27	1 46	6 34	2 37	2 57	2 1	16 44	1 7	9 42	1 18	16 57	1 29	21 17	0 1	18 12	1 26	11 29	15 54	10 56	11 17	28 4		n.a.
F 12	16 28	5n 6	2 51	6 54	2 34	2 34	2 4	16 39	1 9	9 39	1 18	16 59	1 29	21 16	0 1	18 12	1 26	11 29	15 54	10 57	11 19	28 4		n.a.
S 13	16 46	11 37	3 47	7 16	2 31	2 10	2 7	16 34	1 11	9 36	1 19	17 1	1 29	21 16	0 1	18 13	1 26	11 28	15 54	11 0	11 20	28 4		n.a.
S 14	17 3	17 41	4 30	7 40	2 26	1 46	2 9	16 29	1 14	9 33	1 19	17 3	1 29	21 15	0 1	18 13	1 26	11 28	15 55	11 3	11 21	28 5		n.a.
M15	17 21	22 48	4 55	8 7	2 21	1 22	2 12	16 24	1 16	9 30	1 19	17 5	1 29	21 15	0 1	18 14	1 26	11 27	15 55	11 7	11 22	28 5		n.a.
T 16	17 38	26 26	5 0	8 35	2 15	0 57	2 14	16 19	1 18	9 27	1 19	17 7	1 29	21 14	0 1	18 14	1 26	11 27	15 55	11 11	11 23	28 6		n.a.
W17	17 55	28 8	4 43	9 5	2 9	0 32	2 16	16 14	1 20	9 25	1 20	17 8	1 29	21 14	0 1	18 15	1 26	11 26	15 56	11 15	11 24	28 6		n.a.
T 18	18 12	27 45	4 7	9 36	2 3	0 7	2 18	16 9	1 22	9 22	1 20	17 10	1 29	21 13	0 1	18 15	1 26	11 26	15 56	11 18	11 25	28 6		n.a.
F 19	18 28	25 26	3 16	10 7	1 56	0s18	2 20	16 4	1 24	9 19	1 20	17 12	1 29	21 13	0 1	18 16	1 26	11 25	15 56	11 20	11 27	28 7		n.a.
S 20	18 44	21 33	2 14	10 40	1 49	0 43	2 22	15 59	1 26	9 17	1 20	17 14	1 29	21 13	0 1	18 17	1 26	11 25	15 57	11 21	11 28	28 7		n.a.
S 21	18 59	16 34	1 5	11 13	1 42	1 9	2 23	15 55	1 28	9 14	1 21	17 16	1 29	21 12	0 1	18 17	1 26	11 24	15 57	11 21	11 29	28 7		n.a.
M22	19 15	10 55	0s 5	11 46	1 35	1 34	2 25	15 50	1 30	9 11	1 21	17 18	1 29	21 12	0 1	18 18	1 26	11 24	15 57	11 21	11 30	28 8		n.a.
T 23	19 29	4 57	1 13	12 20	1 28	2 0	2 26	15 46	1 32	9 9	1 21	17 20	1 29	21 11	0 1	18 18	1 26	11 23	15 58	11 22	11 31	28 8		n.a.
W24	19 44	1s 5	2 16	12 53	1 20	2 26	2 27	15 41	1 34	9 7	1 21	17 21	1 29	21 11	0 1	18 19	1 26	11 23	15 58	11 22	11 32	28 8		n.a.
T 25	19 58	6 58	3 11	13 27	1 13	2 52	2 28	15 37	1 36	9 4	1 22	17 23	1 29	21 10	0 1	18 19	1 26	11 23	15 58	11 24	11 33	28 9		n.a.
F 26	20 12	12 29	3 56	14 1	1 5	3 18	2 29	15 33	1 37	9 2	1 22	17 25	1 29	21 10	0 1	18 20	1 26	11 22	15 59	11 27	11 35	28 9		n.a.
S 27	20 25	17 27	4 30	14 35	0 58	3 44	2 30	15 29	1 39	9 0	1 22	17 27	1 29	21 9	0 1	18 20	1 26	11 22	15 59	11 31	11 36	28 9		n.a.
S 28	20 38	21 41	4 51	15 8	0 50	4 10	2 31	15 25	1 40	8 57	1 22	17 29	1 29	21 9	0 1	18 21	1 26	11 22	15 59	11 36	11 37	28 9		n.a.
M29	20 51	24 59	4 59	15 41	0 43	4 36	2 31	15 22	1 42	8 55	1 23	17 30	1 28	21 8	0 1	18 21	1 26	11 22	16 0	11 41	11 38	28 10		n.a.
T 30	21s 3	27s10	4s53	16s14	0n35	5s 2	2n32	15n19	1n43	8n53	1n23	17s32	1n28	21n 8	0n 1	18s22	1n26	11n21	16n 0	11s46	11s39	28s10		n.a.

Julian Day Number = 1543485.5, Delta T = 04h35m59s
Ecliptic obliquity = 23°45'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°48'03, Lahiri = -10°41'03 Julian Calendar 1 Nov. 488 BCE == Greg. Calendar 27 Oct. 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 488 BCE
geocentric

DECEMBER 488 BCE (-487) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 15 50	4♐ 5'20	22♐29	17♏16	19♎43	5°R46	10♍54	23♏53	3°R19	27♏ 5	8♎16	29°R19	29♒52	19♐36	n.a.	W 1
T 2	4 19 46	5° 6'38	4♑19	18°43	20°53	5♉34	11° 0	24° 0	3♊16	27° 7	8°17	29♒ 7	29°48	19°43	n.a.	T 2
F 3	4 23 43	6° 7'55	16°10	20°12	22° 2	5°23	11° 5	24° 7	3°13	27° 9	8°19	28°57	29°45	19°49	n.a.	F 3
S 4	4 27 39	7° 9'12	28° 3	21°40	23°12	5°12	11°11	24°14	3°11	27°11	8°21	28°51	29°42	19°56	n.a.	S 4
S 5	4 31 36	8°10'28	10♒ 3	23°10	24°22	5° 2	11°16	24°21	3° 8	27°14	8°22	28°47	29°39	20° 3	n.a.	S 5
M 6	4 35 33	9°11'44	22°13	24°40	25°32	4°54	11°21	24°27	3° 6	27°16	8°23	28°46	29°36	20°10	n.a.	M 6
T 7	4 39 29	10°12'59	4♓39	26°10	26°42	4°45	11°26	24°34	3° 3	27°18	8°25	28°46	29°33	20°16	n.a.	T 7
W 8	4 43 26	11°14'13	17°26	27°41	27°52	4°38	11°31	24°41	3° 1	27°20	8°26	28°46	29°29	20°23	n.a.	W 8
T 9	4 47 22	12°15'27	0♈38	29°12	29° 2	4°32	11°35	24°48	2°58	27°23	8°28	28°45	29°26	20°30	n.a.	T 9
F 10	4 51 19	13°16'40	14°19	0♐43	0♏13	4°26	11°40	24°55	2°55	27°25	8°29	28°41	29°23	20°36	n.a.	F 10
S 11	4 55 15	14°17'52	28°31	2°16	1°23	4°21	11°44	25° 1	2°53	27°27	8°30	28°35	29°20	20°43	n.a.	S 11
S 12	4 59 12	15°19'03	13♉12	3°48	2°34	4°17	11°48	25° 8	2°50	27°29	8°32	28°27	29°17	20°50	n.a.	S 12
M13	5 3 8	16°20'14	28°16	5°21	3°45	4°14	11°52	25°15	2°48	27°31	8°33	28°16	29°13	20°57	n.a.	M13
T 14	5 7 5	17°21'24	13♊35	6°55	4°56	4°12	11°56	25°22	2°45	27°33	8°34	28° 5	29°10	21° 3	n.a.	T 14
W15	5 11 2	18°22'33	28°57	8°29	6° 7	4°10	11°59	25°28	2°43	27°36	8°35	27°55	29° 7	21°10	n.a.	W15
T 16	5 14 58	19°23'42	14♋11	10° 4	7°18	4° 9	12° 3	25°35	2°41	27°38	8°36	27°47	29° 4	21°17	n.a.	T 16
F 17	5 18 55	20°24'50	29° 6	11°39	8°29	4°D 9	12° 6	25°42	2°38	27°40	8°37	27°41	29° 1	21°23	n.a.	F 17
S 18	5 22 51	21°25'58	13♌35	13°15	9°40	4°10	12° 9	25°48	2°36	27°42	8°39	27°38	28°58	21°30	n.a.	S 18
S 19	5 26 48	22°27'05	27°37	14°51	10°51	4°11	12°12	25°55	2°33	27°44	8°40	27°D37	28°54	21°37	n.a.	S 19
M20	5 30 44	23°28'11	11♍ 9	16°28	12° 3	4°14	12°14	26° 1	2°31	27°46	8°41	27°38	28°51	21°44	n.a.	M20
T 21	5 34 41	24°29'17	24°16	18° 5	13°14	4°17	12°17	26° 8	2°29	27°48	8°42	27°R38	28°48	21°50	n.a.	T 21
W22	5 38 37	25°30'22	7♎ 1	19°43	14°26	4°20	12°19	26°14	2°26	27°50	8°43	27°37	28°45	21°57	n.a.	W22
T 23	5 42 34	26°31'26	19°28	21°21	15°37	4°25	12°21	26°20	2°24	27°53	8°43	27°35	28°42	22° 4	n.a.	T 23
F 24	5 46 31	27°32'30	1♏42	23° 1	16°49	4°30	12°23	26°27	2°22	27°55	8°44	27°29	28°39	22°10	n.a.	F 24
S 25	5 50 27	28°33'33	13°46	24°40	18° 1	4°35	12°25	26°33	2°19	27°57	8°45	27°22	28°35	22°17	n.a.	S 25
S 26	5 54 24	29°34'35	25°43	26°21	19°13	4°42	12°26	26°39	2°17	27°59	8°46	27°12	28°32	22°24	n.a.	S 26
M27	5 58 20	0♑35'36	7♐36	28° 2	20°25	4°49	12°28	26°46	2°15	28° 1	8°47	27° 0	28°29	22°31	n.a.	M27
T 28	6 2 17	1°36'36	19°28	29°44	21°37	4°56	12°29	26°52	2°13	28° 3	8°47	26°49	28°26	22°37	n.a.	T 28
W29	6 6 13	2°37'35	1♑19	1♑26	22°49	5° 5	12°30	26°58	2°11	28° 5	8°48	26°38	28°23	22°44	n.a.	W29
T 30	6 10 10	3°38'33	13°11	3°10	24° 1	5°14	12°30	27° 4	2° 9	28° 6	8°49	26°28	28°19	22°51	n.a.	T 30
F 31	6 14 7	4♑39'29	25♑ 7	4♑54	25♏13	5♉23	12♍31	27♏10	2♊ 6	28♏ 8	8♎49	26♒21	28♒16	22♐57	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	21s15	28s 7	4s35	16s46	0n28	5s29	2n32	15n16	1n44	8n51	1n23	17s34	1n28	21n 7	0n 2	18s22	1n26	11n21	16n 1	11s52	11s40	28s10		n.a.	W 1
T 2	21 26	27 46	4 5	17 18	0 20	5 55	2 32	15 13	1 46	8 49	1 24	17 36	1 28	21 7	0 2	18 23	1 26	11 21	16 1	11 56	11 41	28 11		n.a.	T 2
F 3	21 37	26 9	3 25	17 49	0 13	6 21	2 32	15 10	1 47	8 47	1 24	17 37	1 28	21 6	0 2	18 23	1 26	11 21	16 2	11 59	11 42	28 11		n.a.	F 3
S 4	21 48	23 21	2 35	18 20	0 6	6 47	2 32	15 7	1 48	8 46	1 24	17 39	1 28	21 6	0 2	18 24	1 26	11 20	16 2	12 2	11 44	28 11		n.a.	S 4
S 5	21 58	19 31	1 37	18 50	0s 2	7 13	2 32	15 5	1 49	8 44	1 24	17 41	1 28	21 5	0 2	18 24	1 26	11 20	16 2	12 3	11 45	28 11		n.a.	S 5
M 6	22 7	14 50	0 35	19 19	0 9	7 39	2 31	15 3	1 50	8 42	1 25	17 43	1 28	21 5	0 2	18 25	1 26	11 20	16 3	12 3	11 46	28 11		n.a.	M 6
T 7	22 17	9 27	0n31	19 48	0 16	8 5	2 31	15 1	1 51	8 41	1 25	17 44	1 28	21 4	0 2	18 25	1 26	11 20	16 3	12 3	11 47	28 12		n.a.	T 7
W 8	22 25	3 32	1 37	20 16	0 22	8 31	2 30	15 0	1 52	8 39	1 25	17 46	1 28	21 4	0 2	18 26	1 26	11 20	16 4	12 3	11 48	28 12		n.a.	W 8
T 9	22 34	2n42	2 40	20 43	0 29	8 57	2 30	14 58	1 53	8 37	1 26	17 48	1 28	21 3	0 2	18 26	1 26	11 20	16 4	12 4	11 49	28 12		n.a.	T 9
F 10	22 42	9 2	3 36	21 9	0 36	9 23	2 29	14 57	1 54	8 36	1 26	17 49	1 28	21 3	0 2	18 27	1 26	11 19	16 5	12 5	11 50	28 12		n.a.	F 10
S 11	22 49	15 9	4 21	21 34	0 42	9 48	2 28	14 56	1 55	8 35	1 26	17 51	1 28	21 2	0 2	18 27	1 26	11 19	16 5	12 7	11 51	28 12		n.a.	S 11
S 12	22 56	20 37	4 51	21 59	0 48	10 13	2 27	14 56	1 56	8 33	1 26	17 53	1 28	21 2	0 2	18 28	1 26	11 19	16 6	12 10	11 53	28 13		n.a.	S 12
M13	23 3	24 56	5 1	22 22	0 54	10 39	2 26	14 55	1 57	8 32	1 27	17 54	1 28	21 1	0 2	18 28	1 26	11 19	16 6	12 14	11 54	28 13		n.a.	M13
T 14	23 9	27 32	4 51	22 44	1 0	11 4	2 25	14 55	1 57	8 31	1 27	17 56	1 28	21 1	0 2	18 29	1 26	11 19	16 6	12 18	11 55	28 13		n.a.	T 14
W15	23 14	28 4	4 19	23 5	1 6	11 29	2 24	14 55	1 58	8 30	1 27	17 57	1 28	21 0	0 2	18 29	1 26	11 19	16 7	12 21	11 56	28 13		n.a.	W15
T 16	23 20	26 27	3 29	23 25	1 11	11 53	2 22	14 56	1 58	8 29	1 28	17 59	1 28	21 0	0 2	18 30	1 26	11 19	16 7	12 24	11 57	28 13		n.a.	T 16
F 17	23 24	22 59	2 25	23 44	1 16	12 18	2 21	14 56	1 59	8 28	1 28	18 1	1 28	20 59	0 2	18 30	1 26	11 19	16 8	12 26	11 58	28 13		n.a.	F 17
S 18	23 28	18 9	1 14	24 2	1 21	12 42	2 19	14 57	2 0	8 27	1 28	18 2	1 28	20 59	0 2	18 31	1 26	11 19	16 8	12 27	11 59	28 13		n.a.	S 18
S 19	23 32	12 28	0 0	24 18	1 26	13 6	2 18	14 58	2 0	8 26	1 28	18 4	1 28	20 58	0 2	18 31	1 26	11 19	16 9	12 27	12 0	28 14		n.a.	S 19
M20	23 36	6 23	1s11	24 34	1 31	13 30	2 16	14 59	2 1	8 25	1 29	18 5	1 28	20 58	0 2	18 32	1 26	11 19	16 9	12 27	12 2	28 14		n.a.	M20
T 21	23 38	0 13	2 17	24 47	1 35	13 53	2 14	15 0	2 1	8 25	1 29	18 7	1 28	20 58	0 2	18 32	1 26	11 19	16 10	12 27	12 3	28 14		n.a.	T 21
W22	23 41	5s47	3 14	25 0	1 39	14 17	2 12	15 2	2 1	8 24	1 29	18 8	1 28	20 57	0 2	18 33	1 26	11 19	16 10	12 27	12 4	28 14		n.a.	W22
T 23	23 43	11 24	4 0	25 11	1 43	14 39	2 10	15 4	2 2	8 24	1 30	18 10	1 28	20 57	0 2	18 33	1 26	11 20	16 11	12 28	12 5	28 14		n.a.	T 23
F 24	23 44	16 30	4 34	25 20	1 46	15 2	2 8	15 6	2 2	8 23	1 30	18 11	1 28	20 56	0 2	18 34	1 26	11 20	16 11	12 30	12 6	28 14		n.a.	F 24
S 25	23 45	20 52	4 56	25 28	1 49	15 24	2 6	15 8	2 3	8 23	1 30	18 13	1 28	20 56	0 2	18 34	1 26	11 20	16 12	12 33	12 7	28 14		n.a.	S 25
S 26	23 45	24 21	5 4	25 34	1 52	15 46	2 4	15 11	2 3	8 22	1 31	18 14	1 28	20 55	0 2	18 34	1 26	11 20	16 12	12 36	12 8	28 14		n.a.	S 26
M27	23 45	26 47	4 59	25 39	1 55	16 8	2 2	15 13	2 3	8 22	1 31	18 16	1 28	20 55	0 2	18 35	1 26	11 20	16 13	12 40	12 9	28 14		n.a.	M27
T 28	23 45	28 0	4 41	25 42	1 57	16 29	2 0	15 16	2 3	8 22	1 31	18 17	1 28	20 54	0 2	18 35	1 26	11 20	16 13	12 44	12 11	28 14		n.a.	T 28
W29	23 44	27 56	4 11	25 43	1 58	16 50	1 57	15 19	2 4	8 22	1 31	18 18	1 28	20 54	0 2	18 36	1 26	11 20	16 14	12 48	12 12	28 14		n.a.	W29
T 30	23 42	26 34	3 30	25 43	2 0	17 10	1 55	15 23	2 4	8 22	1 32	18 20	1 28	20 54	0 2	18 36	1 26	11 21	16 14	12 51	12 13	28 14		n.a.	T 30
F 31	23s40	24s 0	2s39	25s40	2s 1	17s30	1n52	15n26	2n 4	8n22	1n32	18s21	1n28	20n53	0n 2	18s37	1n26	11n21	16n15	12s54	12s14	28s14		n.a.	F 31

Julian Day Number = 1543515.5, Delta T = 04h35m57s
Ecliptic obliquity = 23°45'22, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'59, Lahiri = -10°40'59 Julian Calendar 1 Dec. 488 BCE == Greg. Calendar 26 Nov. 488 BCE

The year -487 astronomical counting style corresponds to year 488 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

JANUARY 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 18 3	5♑40'24	7♒ 6	6♑38	26♏25	5♉34	12♍31	27♏16	2°R 4	28♏10	8♎50	26°R16	28♒13	23♐ 4	n.a.	S 1
S 2	6 22 0	6°41'18	19°12	8°23	27°37	5°44	12°32	27°22	2♊ 2	28°12	8°51	26♒14	28°10	23°11	n.a.	S 2
M 3	6 25 56	7°42'10	1♓29	10° 9	28°50	5°56	12°R32	27°28	2° 0	28°14	8°51	26°D14	28° 7	23°18	n.a.	M 3
T 4	6 29 53	8°43'00	13°58	11°56	0♐ 2	6° 8	12°31	27°34	1°58	28°16	8°52	26°15	28° 4	23°24	n.a.	T 4
W 5	6 33 49	9°43'49	26°44	13°43	1°14	6°20	12°31	27°40	1°57	28°18	8°52	26°17	28° 0	23°31	n.a.	W 5
T 6	6 37 46	10°44'36	9♈52	15°31	2°27	6°33	12°30	27°46	1°55	28°20	8°52	26°R17	27°57	23°38	n.a.	T 6
F 7	6 41 42	11°45'22	23°24	17°19	3°39	6°47	12°30	27°51	1°53	28°21	8°53	26°17	27°54	23°44	n.a.	F 7
S 8	6 45 39	12°46'05	7♉22	19° 8	4°51	7° 1	12°29	27°57	1°51	28°23	8°53	26°14	27°51	23°51	n.a.	S 8
S 9	6 49 36	13°46'47	21°47	20°57	6° 4	7°15	12°28	28° 3	1°49	28°25	8°53	26°10	27°48	23°58	n.a.	S 9
M10	6 53 32	14°47'27	6♊35	22°46	7°16	7°30	12°26	28° 8	1°48	28°27	8°54	26° 4	27°45	24° 5	n.a.	M10
T 11	6 57 29	15°48'06	21°40	24°36	8°29	7°46	12°25	28°14	1°46	28°28	8°54	25°58	27°41	24°11	n.a.	T 11
W12	7 1 25	16°48'42	6♋54	26°25	9°42	8° 2	12°23	28°19	1°44	28°30	8°54	25°52	27°38	24°18	n.a.	W12
T 13	7 5 22	17°49'17	22° 5	28°15	10°54	8°18	12°21	28°24	1°43	28°32	8°54	25°47	27°35	24°25	n.a.	T 13
F 14	7 9 18	18°49'51	7♌ 3	0♒ 4	12° 7	8°35	12°19	28°30	1°41	28°33	8°54	25°44	27°32	24°31	n.a.	F 14
S 15	7 13 15	19°50'22	21°41	1°52	13°20	8°52	12°17	28°35	1°40	28°35	8°54	25°D42	27°29	24°38	n.a.	S 15
S 16	7 17 11	20°50'53	5♍54	3°39	14°32	9°10	12°14	28°40	1°38	28°36	8°55	25°43	27°25	24°45	n.a.	S 16
M17	7 21 8	21°51'21	19°38	5°25	15°45	9°28	12°12	28°45	1°37	28°38	8°R55	25°44	27°22	24°52	n.a.	M17
T 18	7 25 5	22°51'48	2♎54	7° 9	16°58	9°47	12° 9	28°50	1°36	28°39	8°54	25°46	27°19	24°58	n.a.	T 18
W19	7 29 1	23°52'14	15°46	8°51	18°11	10° 6	12° 6	28°55	1°34	28°41	8°54	25°47	27°16	25° 5	n.a.	W19
T 20	7 32 58	24°52'38	28°17	10°30	19°23	10°25	12° 3	29° 0	1°33	28°42	8°54	25°R47	27°13	25°12	n.a.	T 20
F 21	7 36 54	25°53'01	10♏32	12° 6	20°36	10°45	11°59	29° 5	1°32	28°44	8°54	25°46	27°10	25°18	n.a.	F 21
S 22	7 40 51	26°53'22	22°34	13°38	21°49	11° 5	11°56	29°10	1°31	28°45	8°54	25°44	27° 6	25°25	n.a.	S 22
S 23	7 44 47	27°53'41	4♐29	15° 6	23° 2	11°25	11°52	29°15	1°29	28°47	8°54	25°40	27° 3	25°32	n.a.	S 23
M24	7 48 44	28°53'59	16°20	16°29	24°15	11°46	11°48	29°19	1°28	28°48	8°54	25°35	27° 0	25°38	n.a.	M24
T 25	7 52 40	29°54'15	28°10	17°46	25°28	12° 7	11°44	29°24	1°27	28°49	8°53	25°31	26°57	25°45	n.a.	T 25
W26	7 56 37	0♒54'30	10♑ 2	18°57	26°41	12°28	11°40	29°28	1°26	28°51	8°53	25°26	26°54	25°52	n.a.	W26
T 27	8 0 34	1°54'42	21°59	20° 2	27°54	12°50	11°36	29°33	1°25	28°52	8°53	25°22	26°51	25°59	n.a.	T 27
F 28	8 4 30	2°54'53	4♒ 2	20°59	29° 7	13°12	11°31	29°37	1°25	28°53	8°52	25°20	26°47	26° 5	n.a.	F 28
S 29	8 8 27	3°55'01	16°13	21°48	0♑20	13°35	11°26	29°41	1°24	28°54	8°52	25°18	26°44	26°12	n.a.	S 29
S 30	8 12 23	4°55'08	28°32	22°28	1°33	13°57	11°22	29°46	1°23	28°56	8°51	25°D18	26°41	26°19	n.a.	S 30
M31	8 16 20	5♒55'12	11♓ 3	23♒ 0	2♑46	14♉20	11♍17	29♏50	1♊22	28♏57	8♎51	25♒19	26♒38	26♐25	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s38	20s22	1s41	25s36	2s 1	17s50	1n50	15n30	2n 4	8n22	1n32	18s23	1n28	20n53	0n 2	18s37	1n26	11n21	16n15	12s55	12s15	28s14		n.a.
S 2	23 35	15 51	0 38	25 30	2 1	18 9	1 47	15 33	2 4	8 22	1 33	18 24	1 28	20 52	0 2	18 37	1 26	11 21	16 16	12 56	12 16	28 14		n.a.
M 3	23 32	10 39	0n28	25 22	2 1	18 28	1 45	15 37	2 4	8 23	1 33	18 25	1 28	20 52	0 2	18 38	1 26	11 22	16 17	12 56	12 17	28 14		n.a.
T 4	23 28	4 56	1 34	25 12	2 0	18 46	1 42	15 42	2 4	8 23	1 33	18 27	1 28	20 52	0 2	18 38	1 26	11 22	16 17	12 56	12 18	28 14		n.a.
W 5	23 24	1n 5	2 37	25 0	1 59	19 4	1 39	15 46	2 4	8 23	1 34	18 28	1 28	20 51	0 2	18 39	1 26	11 22	16 18	12 55	12 19	28 14		n.a.
T 6	23 19	7 13	3 34	24 46	1 57	19 21	1 36	15 50	2 5	8 24	1 34	18 29	1 28	20 51	0 2	18 39	1 26	11 23	16 18	12 55	12 21	28 14		n.a.
F 7	23 14	13 13	4 20	24 30	1 54	19 38	1 34	15 55	2 5	8 24	1 34	18 30	1 28	20 51	0 2	18 39	1 26	11 23	16 19	12 55	12 22	28 14		n.a.
S 8	23 8	18 45	4 53	24 12	1 51	19 54	1 31	16 0	2 5	8 25	1 35	18 32	1 29	20 50	0 2	18 40	1 26	11 23	16 19	12 56	12 23	28 14		n.a.
S 9	23 2	23 24	5 8	23 52	1 48	20 10	1 28	16 4	2 5	8 26	1 35	18 33	1 29	20 50	0 2	18 40	1 26	11 24	16 20	12 58	12 24	28 14		n.a.
M10	22 55	26 41	5 4	23 30	1 43	20 25	1 25	16 9	2 5	8 27	1 35	18 34	1 29	20 49	0 2	18 40	1 26	11 24	16 20	13 0	12 25	28 14		n.a.
T 11	22 48	28 8	4 39	23 6	1 39	20 40	1 22	16 15	2 5	8 27	1 35	18 35	1 29	20 49	0 2	18 41	1 26	11 24	16 21	13 2	12 26	28 14		n.a.
W12	22 41	27 28	3 54	22 40	1 33	20 54	1 19	16 20	2 5	8 28	1 36	18 36	1 29	20 49	0 2	18 41	1 26	11 25	16 21	13 4	12 27	28 14		n.a.
T 13	22 33	24 45	2 53	22 12	1 27	21 7	1 16	16 25	2 5	8 29	1 36	18 38	1 29	20 49	0 2	18 41	1 26	11 25	16 22	13 6	12 28	28 14		n.a.
F 14	22 25	20 22	1 40	21 42	1 20	21 20	1 13	16 31	2 4	8 30	1 36	18 39	1 29	20 48	0 2	18 42	1 26	11 26	16 22	13 7	12 29	28 13		n.a.
S 15	22 16	14 48	0 22	21 10	1 12	21 33	1 10	16 36	2 4	8 32	1 37	18 40	1 29	20 48	0 2	18 42	1 26	11 26	16 23	13 7	12 30	28 13		n.a.
S 16	22 7	8 37	0s55	20 37	1 3	21 44	1 7	16 42	2 4	8 33	1 37	18 41	1 29	20 48	0 2	18 42	1 26	11 27	16 23	13 7	12 32	28 13		n.a.
M17	21 57	2 13	2 7	20 3	0 54	21 56	1 4	16 48	2 4	8 34	1 37	18 42	1 29	20 47	0 2	18 43	1 27	11 27	16 24	13 7	12 33	28 13		n.a.
T 18	21 47	4s 3	3 9	19 26	0 44	22 6	1 1	16 54	2 4	8 35	1 37	18 43	1 29	20 47	0 2	18 43	1 27	11 28	16 24	13 6	12 34	28 13		n.a.
W19	21 37	9 58	4 0	18 49	0 33	22 16	0 57	17 0	2 4	8 37	1 38	18 44	1 29	20 47	0 2	18 43	1 27	11 28	16 25	13 6	12 35	28 13		n.a.
T 20	21 26	15 19	4 38	18 11	0 22	22 25	0 54	17 6	2 4	8 38	1 38	18 45	1 29	20 47	0 2	18 44	1 27	11 29	16 25	13 6	12 36	28 13		n.a.
F 21	21 15	19 56	5 2	17 33	0 10	22 34	0 51	17 12	2 4	8 40	1 38	18 46	1 29	20 46	0 2	18 44	1 27	11 29	16 26	13 6	12 37	28 12		n.a.
S 22	21 3	23 41	5 12	16 54	0n 3	22 42	0 48	17 18	2 4	8 42	1 39	18 47	1 29	20 46	0 2	18 44	1 27	11 30	16 26	13 7	12 38	28 12		n.a.
S 23	20 51	26 23	5 9	16 15	0 17	22 49	0 45	17 25	2 3	8 43	1 39	18 48	1 29	20 46	0 2	18 45	1 27	11 30	16 27	13 8	12 39	28 12		n.a.
M24	20 39	27 54	4 53	15 37	0 31	22 56	0 42	17 31	2 3	8 45	1 39	18 49	1 29	20 46	0 2	18 45	1 27	11 31	16 27	13 10	12 40	28 12		n.a.
T 25	20 26	28 8	4 24	15 0	0 45	23 2	0 39	17 37	2 3	8 47	1 39	18 50	1 29	20 45	0 2	18 45	1 27	11 31	16 28	13 11	12 42	28 12		n.a.
W26	20 13	27 5	3 43	14 23	1 0	23 8	0 35	17 44	2 3	8 49	1 40	18 51	1 29	20 45	0 2	18 45	1 27	11 32	16 28	13 13	12 43	28 12		n.a.
T 27	20 0	24 47	2 53	13 49	1 15	23 12	0 32	17 51	2 3	8 51	1 40	18 52	1 30	20 45	0 2	18 46	1 27	11 32	16 29	13 14	12 44	28 11		n.a.
F 28	19 46	21 21	1 54	13 16	1 30	23 16	0 29	17 57	2 3	8 53	1 40	18 53	1 30	20 45	0 2	18 46	1 27	11 33	16 29	13 15	12 45	28 11		n.a.
S 29	19 32	16 59	0 50	12 46	1 46	23 19	0 26	18 4	2 2	8 55	1 40	18 54	1 30	20 45	0 2	18 46	1 27	11 34	16 30	13 15	12 46	28 11		n.a.
S 30	19 17	11 52	0n18	12 18	2 1	23 22	0 23	18 11	2 2	8 57	1 41	18 54	1 30	20 45	0 2	18 46	1 27	11 34	16 30	13 15	12 47	28 11		n.a.
M31	19s 2	6s12	1n26	11s54	2n16	23s24	0n20	18n18	2n 2	8n59	1n41	18s55	1n30	20n44	0n 2	18s46	1n27	11n35	16n31	13s15	12s48	28s10		n.a.

Julian Day Number = 1543546.5, Delta T = 04h35m56s
Ecliptic obliquity = 23°45'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'55, Lahiri = -10°40'55 Julian Calendar 1 Jan. 487 BCE == Greg. Calendar 27 Dec. 488 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

FEBRUARY 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 20 16	6♒55'14	23♓46	23♒23	3♉59	14♉44	11°R11	29♏54	1°R22	28♏58	8°R50	25♒20	26♒35	26♐32	n.a.	T 1
W 2	8 24 13	7°55'14	6♈43	23°37	5°12	15° 7	11♍ 6	29°58	1♊21	28°59	8♎50	25°21	26°31	26°39	n.a.	W 2
T 3	8 28 9	8°55'12	19°57	23°R42	6°25	15°31	11° 1	0♐ 2	1°20	29° 0	8°49	25°23	26°28	26°46	n.a.	T 3
F 4	8 32 6	9°55'07	3♉29	23°37	7°38	15°55	10°55	0° 5	1°20	29° 1	8°49	25°23	26°25	26°52	n.a.	F 4
S 5	8 36 3	10°55'01	17°20	23°24	8°51	16°20	10°49	0° 9	1°19	29° 2	8°48	25°R23	26°22	26°59	n.a.	S 5
S 6	8 39 59	11°54'51	1♊30	23° 2	10° 4	16°44	10°43	0°13	1°19	29° 3	8°47	25°23	26°19	27° 6	n.a.	S 6
M 7	8 43 56	12°54'40	15°58	22°33	11°17	17° 9	10°37	0°16	1°19	29° 4	8°47	25°22	26°16	27°12	n.a.	M 7
T 8	8 47 52	13°54'26	0♋39	21°56	12°31	17°34	10°31	0°20	1°18	29° 5	8°46	25°20	26°12	27°19	n.a.	T 8
W 9	8 51 49	14°54'10	15°28	21°13	13°44	18° 0	10°25	0°23	1°18	29° 6	8°45	25°19	26° 9	27°26	n.a.	W 9
T 10	8 55 45	15°53'51	0♌19	20°26	14°57	18°25	10°19	0°27	1°18	29° 7	8°44	25°18	26° 6	27°32	n.a.	T 10
F 11	8 59 42	16°53'30	15° 3	19°34	16°10	18°51	10°12	0°30	1°18	29° 8	8°43	25°17	26° 3	27°39	n.a.	F 11
S 12	9 3 38	17°53'07	29°32	18°39	17°23	19°17	10° 6	0°33	1°18	29° 8	8°43	25°D17	26° 0	27°46	n.a.	S 12
S 13	9 7 35	18°52'42	13♍43	17°43	18°36	19°44	9°59	0°36	1°D18	29° 9	8°42	25°17	25°57	27°53	n.a.	S 13
M14	9 11 32	19°52'15	27°30	16°47	19°49	20°10	9°52	0°39	1°18	29°10	8°41	25°18	25°53	27°59	n.a.	M14
T 15	9 15 28	20°51'46	10♎53	15°51	21° 3	20°37	9°45	0°42	1°18	29°10	8°40	25°18	25°50	28° 6	n.a.	T 15
W16	9 19 25	21°51'15	23°51	14°58	22°16	21° 4	9°38	0°45	1°18	29°11	8°39	25°19	25°47	28°13	n.a.	W16
T 17	9 23 21	22°50'42	6♏28	14° 8	23°29	21°31	9°31	0°47	1°18	29°12	8°38	25°19	25°44	28°19	n.a.	T 17
F 18	9 27 18	23°50'07	18°47	13°21	24°42	21°58	9°24	0°50	1°18	29°12	8°37	25°19	25°41	28°26	n.a.	F 18
S 19	9 31 14	24°49'31	0♐52	12°39	25°55	22°26	9°17	0°52	1°19	29°13	8°36	25°19	25°37	28°33	n.a.	S 19
S 20	9 35 11	25°48'52	12°48	12° 2	27° 9	22°53	9°10	0°55	1°19	29°13	8°35	25°19	25°34	28°39	n.a.	S 20
M21	9 39 7	26°48'12	24°39	11°30	28°22	23°21	9° 2	0°57	1°19	29°14	8°34	25°19	25°31	28°46	n.a.	M21
T 22	9 43 4	27°47'29	6♉30	11° 4	29°35	23°49	8°55	1° 0	1°20	29°14	8°32	25°19	25°28	28°53	n.a.	T 22
W23	9 47 1	28°46'45	18°24	10°44	0♒48	24°17	8°48	1° 2	1°20	29°15	8°31	25°20	25°25	29° 0	n.a.	W23
T 24	9 50 57	29°45'59	0♒26	10°30	2° 2	24°46	8°40	1° 4	1°21	29°15	8°30	25°20	25°22	29° 6	n.a.	T 24
F 25	9 54 54	0♓45'11	12°38	10°21	3°15	25°14	8°32	1° 6	1°21	29°16	8°29	25°21	25°18	29°13	n.a.	F 25
S 26	9 58 50	1°44'20	25° 1	10°D18	4°28	25°43	8°25	1° 8	1°22	29°16	8°28	25°R21	25°15	29°20	n.a.	S 26
S 27	10 2 47	2°43'28	7♓38	10°21	5°41	26°12	8°17	1° 9	1°23	29°16	8°26	25°21	25°12	29°26	n.a.	S 27
M28	10 6 43	3♓42'33	20♓29	10♒30	6♒55	26♉41	8♍10	1♐11	1♊23	29♏17	8♎25	25♒20	25♒ 9	29♐33	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s47	0s12	2n31	11s32	2n30	23s25	0n16	18n24	2n 2	9n 1	1n41	18s56	1n30	20n44	0n 2	18s47	1n27	11n35	16n31	13s15	12s49	28s10		n.a.
W 2	18 32	5n54	3 29	11 15	2 44	23 26	0 13	18 31	2 2	9 3	1 41	18 57	1 30	20 44	0 2	18 47	1 27	11 36	16 32	13 14	12 50	28 10		n.a.
T 3	18 16	11 52	4 18	11 1	2 57	23 26	0 10	18 38	2 1	9 6	1 41	18 58	1 30	20 44	0 2	18 47	1 27	11 37	16 32	13 14	12 51	28 10		n.a.
F 4	18 0	17 26	4 54	10 51	3 9	23 25	0 7	18 45	2 1	9 8	1 42	18 58	1 30	20 44	0 2	18 47	1 27	11 37	16 33	13 14	12 52	28 9		n.a.
S 5	17 43	22 14	5 13	10 46	3 20	23 23	0 4	18 52	2 1	9 10	1 42	18 59	1 30	20 44	0 2	18 47	1 27	11 38	16 33	13 14	12 54	28 9		n.a.
S 6	17 27	25 52	5 14	10 44	3 29	23 21	0 1	18 59	2 1	9 13	1 42	19 0	1 30	20 44	0 2	18 48	1 27	11 39	16 34	13 14	12 55	28 9		n.a.
M 7	17 10	27 55	4 56	10 46	3 37	23 18	0s 2	19 6	2 1	9 15	1 42	19 0	1 30	20 44	0 2	18 48	1 27	11 39	16 34	13 14	12 56	28 8		n.a.
T 8	16 52	28 4	4 18	10 52	3 43	23 14	0 5	19 13	2 0	9 18	1 42	19 1	1 30	20 44	0 2	18 48	1 27	11 40	16 34	13 15	12 57	28 8		n.a.
W 9	16 35	26 12	3 23	11 2	3 47	23 10	0 8	19 20	2 0	9 20	1 43	19 2	1 30	20 44	0 2	18 48	1 27	11 41	16 35	13 15	12 58	28 8		n.a.
T 10	16 17	22 32	2 14	11 15	3 49	23 5	0 11	19 27	2 0	9 23	1 43	19 2	1 31	20 44	0 2	18 48	1 27	11 42	16 35	13 16	12 59	28 8		n.a.
F 11	15 59	17 26	0 56	11 31	3 49	22 59	0 14	19 34	2 0	9 26	1 43	19 3	1 31	20 44	0 2	18 48	1 27	11 42	16 36	13 16	13 0	28 7		n.a.
S 12	15 40	11 25	0s24	11 50	3 47	22 53	0 16	19 41	1 59	9 28	1 43	19 4	1 31	20 44	0 2	18 49	1 27	11 43	16 36	13 16	13 1	28 7		n.a.
S 13	15 22	4 57	1 40	12 11	3 44	22 46	0 19	19 48	1 59	9 31	1 43	19 4	1 31	20 44	0 2	18 49	1 27	11 44	16 37	13 16	13 2	28 7		n.a.
M14	15 3	1s35	2 49	12 33	3 38	22 38	0 22	19 55	1 59	9 34	1 44	19 5	1 31	20 44	0 2	18 49	1 28	11 44	16 37	13 16	13 3	28 6		n.a.
T 15	14 44	7 50	3 47	12 57	3 31	22 30	0 25	20 3	1 58	9 37	1 44	19 5	1 31	20 44	0 2	18 49	1 28	11 45	16 37	13 15	13 4	28 6		n.a.
W16	14 24	13 33	4 31	13 21	3 22	22 21	0 28	20 10	1 58	9 39	1 44	19 6	1 31	20 44	0 2	18 49	1 28	11 46	16 38	13 15	13 6	28 5		n.a.
T 17	14 5	18 34	5 0	13 46	3 11	22 11	0 30	20 17	1 58	9 42	1 44	19 6	1 31	20 44	0 2	18 49	1 28	11 47	16 38	13 15	13 7	28 5		n.a.
F 18	13 45	22 41	5 15	14 10	3 0	22 0	0 33	20 24	1 58	9 45	1 44	19 7	1 31	20 44	0 2	18 49	1 28	11 47	16 39	13 15	13 8	28 5		n.a.
S 19	13 25	25 45	5 16	14 34	2 47	21 49	0 35	20 30	1 57	9 48	1 44	19 7	1 31	20 44	0 2	18 49	1 28	11 48	16 39	13 15	13 9	28 4		n.a.
S 20	13 5	27 38	5 3	14 57	2 34	21 38	0 38	20 37	1 57	9 51	1 44	19 7	1 31	20 44	0 2	18 49	1 28	11 49	16 39	13 15	13 10	28 4		n.a.
M21	12 45	28 15	4 37	15 20	2 20	21 25	0 40	20 44	1 57	9 54	1 44	19 8	1 31	20 44	0 2	18 49	1 28	11 50	16 40	13 15	13 11	28 3		n.a.
T 22	12 24	27 34	3 59	15 41	2 5	21 12	0 43	20 51	1 57	9 57	1 45	19 8	1 32	20 44	0 2	18 49	1 28	11 50	16 40	13 15	13 12	28 3		n.a.
W23	12 3	25 37	3 11	16 0	1 50	20 59	0 45	20 58	1 56	10 0	1 45	19 9	1 32	20 44	0 2	18 50	1 28	11 51	16 40	13 15	13 13	28 3		n.a.
T 24	11 42	22 30	2 14	16 18	1 36	20 45	0 48	21 5	1 56	10 2	1 45	19 9	1 32	20 44	0 2	18 50	1 28	11 52	16 41	13 15	13 14	28 2		n.a.
F 25	11 21	18 22	1 10	16 35	1 21	20 30	0 50	21 12	1 56	10 5	1 45	19 9	1 32	20 44	0 2	18 50	1 28	11 53	16 41	13 15	13 15	28 2		n.a.
S 26	11 0	13 23	0 2	16 50	1 6	20 14	0 52	21 18	1 55	10 8	1 45	19 10	1 32	20 45	0 2	18 50	1 28	11 53	16 41	13 15	13 16	28 1		n.a.
S 27	10 38	7 46	1n 8	17 3	0 51	19 59	0 54	21 25	1 55	10 11	1 45	19 10	1 32	20 45	0 2	18 50	1 28	11 54	16 42	13 15	13 17	28 1		n.a.
M28	10s17	1s46	2n15	17s15	0n37	19s42	0s56	21n32	1n55	10n14	1n45	19s10	1n32	20n45	0n 2	18s50	1n28	11n55	16n42	13s15	13s19	28s 0		n.a.

Julian Day Number = 1543577.5, Delta T = 04h35m55s
Ecliptic obliquity = 23°45'23, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'51, Lahiri = -10°40'50 Julian Calendar 1 Feb. 487 BCE == Greg. Calendar 27 Jan. 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

MARCH 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 10 40	4♓41'36	3♈34	10♒43	8♒ 8	27♉10	8°R 2	1♐13	1♊24	29♏17	8°R24	25°R19	25♒ 6	29♐40	n.a.	T 1
W 2	10 14 36	5°40'36	16°53	11° 2	9°21	27°39	7♍54	1°14	1°25	29°17	8♎22	25♒18	25° 3	29°46	n.a.	W 2
T 3	10 18 33	6°39'35	0♉25	11°25	10°34	28° 9	7°46	1°15	1°26	29°17	8°21	25°16	24°59	29°53	n.a.	T 3
F 4	10 22 29	7°38'31	14° 9	11°53	11°48	28°38	7°39	1°17	1°27	29°17	8°20	25°15	24°56	29°59	n.a.	F 4
S 5	10 26 26	8°37'24	28° 5	12°26	13° 1	29° 8	7°31	1°18	1°28	29°17	8°18	25°14	24°53	0♑ 7	n.a.	S 5
S 6	10 30 23	9°36'16	12♊11	13° 2	14°14	29°38	7°23	1°19	1°29	29°17	8°17	25°D14	24°50	0°13	n.a.	S 6
M 7	10 34 19	10°35'04	26°24	13°42	15°27	0♊ 8	7°16	1°20	1°30	29°R17	8°16	25°15	24°47	0°20	n.a.	M 7
T 8	10 38 16	11°33'51	10♋44	14°26	16°41	0°38	7° 8	1°21	1°31	29°17	8°14	25°16	24°43	0°27	n.a.	T 8
W 9	10 42 12	12°32'35	25° 7	15°14	17°54	1° 8	7° 0	1°22	1°33	29°17	8°13	25°17	24°40	0°33	n.a.	W 9
T 10	10 46 9	13°31'17	9♌29	16° 5	19° 7	1°39	6°53	1°22	1°34	29°17	8°11	25°18	24°37	0°40	n.a.	T 10
F 11	10 50 5	14°29'56	23°47	16°59	20°20	2° 9	6°45	1°23	1°35	29°17	8°10	25°R18	24°34	0°47	n.a.	F 11
S 12	10 54 2	15°28'33	7♍54	17°56	21°34	2°40	6°37	1°24	1°37	29°17	8° 8	25°18	24°31	0°53	n.a.	S 12
S 13	10 57 58	16°27'08	21°49	18°56	22°47	3°11	6°30	1°24	1°38	29°17	8° 7	25°16	24°28	1° 0	n.a.	S 13
M14	11 1 55	17°25'41	5♎26	19°58	24° 0	3°42	6°22	1°24	1°40	29°17	8° 5	25°14	24°24	1° 7	n.a.	M14
T 15	11 5 52	18°24'12	18°44	21° 4	25°14	4°13	6°15	1°25	1°41	29°16	8° 4	25°11	24°21	1°14	n.a.	T 15
W16	11 9 48	19°22'41	1♏42	22°12	26°27	4°44	6° 8	1°25	1°43	29°16	8° 2	25° 7	24°18	1°20	n.a.	W16
T 17	11 13 45	20°21'09	14°20	23°22	27°40	5°15	6° 0	1°R25	1°44	29°16	8° 0	25° 3	24°15	1°27	n.a.	T 17
F 18	11 17 41	21°19'34	26°41	24°35	28°53	5°46	5°53	1°25	1°46	29°16	7°59	25° 0	24°12	1°34	n.a.	F 18
S 19	11 21 38	22°17'58	8♐48	25°50	0♓ 7	6°18	5°46	1°25	1°48	29°15	7°57	24°58	24° 8	1°40	n.a.	S 19
S 20	11 25 34	23°16'21	20°46	27° 7	1°20	6°49	5°39	1°24	1°49	29°15	7°56	24°D57	24° 5	1°47	n.a.	S 20
M21	11 29 31	24°14'41	2♑38	28°26	2°33	7°21	5°32	1°24	1°51	29°14	7°54	24°58	24° 2	1°54	n.a.	M21
T 22	11 33 27	25°13'00	14°29	29°47	3°47	7°52	5°25	1°23	1°53	29°14	7°52	24°59	23°59	2° 0	n.a.	T 22
W23	11 37 24	26°11'18	26°25	1♓11	5° 0	8°24	5°18	1°23	1°55	29°13	7°51	25° 1	23°56	2° 7	n.a.	W23
T 24	11 41 20	27° 9'33	8♒30	2°36	6°13	8°56	5°11	1°22	1°57	29°13	7°49	25° 2	23°53	2°14	n.a.	T 24
F 25	11 45 17	28° 7'47	20°48	4° 3	7°27	9°28	5° 5	1°22	1°59	29°12	7°47	25°R 3	23°49	2°21	n.a.	F 25
S 26	11 49 14	29° 5'59	3♓23	5°33	8°40	10° 0	4°58	1°21	2° 1	29°12	7°46	25° 3	23°46	2°27	n.a.	S 26
S 27	11 53 10	0♈ 4'09	16°15	7° 4	9°53	10°33	4°52	1°20	2° 3	29°11	7°44	25° 1	23°43	2°34	n.a.	S 27
M28	11 57 7	1° 2'18	29°27	8°37	11° 6	11° 5	4°45	1°19	2° 5	29°11	7°42	24°58	23°40	2°41	n.a.	M28
T 29	12 1 3	2° 0'24	12♈56	10°12	12°20	11°37	4°39	1°18	2° 7	29°10	7°41	24°53	23°37	2°47	n.a.	T 29
W30	12 5 0	2°58'29	26°42	11°49	13°33	12°10	4°33	1°16	2° 9	29° 9	7°39	24°47	23°34	2°54	n.a.	W30
T 31	12 8 56	3♈56'32	10♉40	13♓27	14♓46	12♊42	4♍27	1♐15	2♊12	29♏ 9	7♎37	24♒41	23♒30	3♑ 1	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9s55	4n26	3n16	17s24	0n23	19s25	0s59	21n38	1n54	10n17	1n45	19s10	1n32	20n45	0n 2	18s50	1n28	11n56	16n42	13s15	13s20	28s 0			n.a.
W 2	9 33	10 31	4 8	17 32	0 10	19 7	1 1	21 45	1 54	10 20	1 45	19 11	1 32	20 45	0 2	18 50	1 28	11 57	16 42	13 16	13 21	27 59			n.a.
T 3	9 11	16 14	4 47	17 38	0s 3	18 49	1 2	21 51	1 54	10 23	1 45	19 11	1 32	20 46	0 2	18 50	1 28	11 57	16 43	13 16	13 22	27 59			n.a.
F 4	8 49	21 13	5 10	17 42	0 16	18 30	1 4	21 58	1 54	10 26	1 45	19 11	1 32	20 46	0 2	18 50	1 28	11 58	16 43	13 16	13 23	27 58			n.a.
S 5	8 27	25 7	5 16	17 45	0 28	18 11	1 6	22 4	1 53	10 29	1 45	19 11	1 32	20 46	0 2	18 50	1 28	11 59	16 43	13 17	13 24	27 58			n.a.
S 6	8 4	27 33	5 3	17 45	0 39	17 52	1 8	22 11	1 53	10 32	1 45	19 11	1 33	20 46	0 2	18 50	1 28	12 0	16 44	13 17	13 25	27 57			n.a.
M 7	7 42	28 13	4 31	17 44	0 51	17 31	1 10	22 17	1 53	10 35	1 45	19 11	1 33	20 46	0 2	18 50	1 28	12 0	16 44	13 17	13 26	27 57			n.a.
T 8	7 19	27 0	3 42	17 41	1 1	17 11	1 11	22 23	1 52	10 38	1 45	19 11	1 33	20 47	0 2	18 50	1 28	12 1	16 44	13 16	13 27	27 56			n.a.
W 9	6 56	24 0	2 39	17 37	1 11	16 50	1 13	22 29	1 52	10 41	1 45	19 12	1 33	20 47	0 2	18 50	1 28	12 2	16 44	13 16	13 28	27 56			n.a.
T 10	6 34	19 30	1 26	17 30	1 20	16 28	1 15	22 35	1 52	10 44	1 45	19 12	1 33	20 47	0 2	18 49	1 29	12 3	16 44	13 16	13 29	27 55			n.a.
F 11	6 11	13 54	0 8	17 22	1 29	16 6	1 16	22 41	1 51	10 46	1 45	19 12	1 33	20 47	0 2	18 49	1 29	12 4	16 45	13 15	13 30	27 55			n.a.
S 12	5 48	7 39	1s 9	17 12	1 37	15 43	1 17	22 47	1 51	10 49	1 45	19 12	1 33	20 48	0 2	18 49	1 29	12 4	16 45	13 15	13 31	27 54			n.a.
S 13	5 25	1 8	2 21	17 1	1 45	15 20	1 19	22 53	1 51	10 52	1 45	19 12	1 33	20 48	0 2	18 49	1 29	12 5	16 45	13 16	13 33	27 53			n.a.
M14	5 2	5s17	3 23	16 47	1 52	14 57	1 20	22 59	1 50	10 55	1 45	19 12	1 33	20 48	0 2	18 49	1 29	12 6	16 45	13 17	13 34	27 53			n.a.
T 15	4 39	11 19	4 13	16 32	1 59	14 33	1 21	23 4	1 50	10 58	1 45	19 12	1 33	20 49	0 2	18 49	1 29	12 7	16 45	13 18	13 35	27 52			n.a.
W16	4 16	16 43	4 48	16 16	2 5	14 9	1 22	23 10	1 50	11 0	1 45	19 12	1 33	20 49	0 2	18 49	1 29	12 7	16 46	13 19	13 36	27 52			n.a.
T 17	3 52	21 15	5 8	15 57	2 10	13 45	1 23	23 15	1 49	11 3	1 45	19 11	1 34	20 49	0 2	18 49	1 29	12 8	16 46	13 20	13 37	27 51			n.a.
F 18	3 29	24 45	5 14	15 37	2 15	13 20	1 24	23 21	1 49	11 6	1 45	19 11	1 34	20 50	0 2	18 49	1 29	12 9	16 46	13 21	13 38	27 50			n.a.
S 19	3 6	27 4	5 5	15 16	2 19	12 55	1 25	23 26	1 49	11 8	1 45	19 11	1 34	20 50	0 2	18 49	1 29	12 10	16 46	13 22	13 39	27 50			n.a.
S 20	2 42	28 8	4 43	14 52	2 23	12 29	1 26	23 31	1 48	11 11	1 45	19 11	1 34	20 50	0 2	18 49	1 29	12 10	16 46	13 22	13 40	27 49			n.a.
M21	2 19	27 52	4 9	14 27	2 26	12 3	1 27	23 36	1 48	11 13	1 45	19 11	1 34	20 51	0 2	18 48	1 29	12 11	16 46	13 22	13 41	27 49			n.a.
T 22	1 56	26 20	3 24	14 1	2 29	11 37	1 28	23 41	1 48	11 16	1 44	19 11	1 34	20 51	0 2	18 48	1 29	12 12	16 46	13 22	13 42	27 48			n.a.
W23	1 32	23 36	2 30	13 33	2 31	11 10	1 28	23 46	1 47	11 18	1 44	19 11	1 34	20 52	0 2	18 48	1 29	12 13	16 46	13 21	13 43	27 47			n.a.
T 24	1 9	19 49	1 29	13 3	2 33	10 43	1 29	23 51	1 47	11 21	1 44	19 10	1 34	20 52	0 2	18 48	1 29	12 13	16 46	13 21	13 44	27 47			n.a.
F 25	0 45	15 7	0 23	12 32	2 33	10 16	1 29	23 55	1 47	11 23	1 44	19 10	1 34	20 52	0 2	18 48	1 29	12 14	16 47	13 20	13 45	27 46			n.a.
S 26	0 22	9 42	0n45	11 59	2 34	9 49	1 30	24 0	1 46	11 25	1 44	19 10	1 34	20 53	0 2	18 48	1 29	12 15	16 47	13 21	13 46	27 45			n.a.
S 27	0n 2	3 46	1 53	11 24	2 34	9 21	1 30	24 4	1 46	11 28	1 44	19 10	1 34	20 53	0 3	18 48	1 29	12 15	16 47	13 21	13 47	27 45			n.a.
M28	0 25	2n28	2 56	10 48	2 33	8 53	1 31	24 9	1 46	11 30	1 44	19 9	1 34	20 54	0 3	18 47	1 29	12 16	16 47	13 22	13 49	27 44			n.a.
T 29	0 48	8 43	3 51	10 11	2 32	8 25	1 31	24 13	1 45	11 32	1 44	19 9	1 34	20 54	0 3	18 47	1 29	12 17	16 47	13 24	13 50	27 43			n.a.
W30	1 12	14 40	4 34	9 32	2 30	7 57	1 31	24 17	1 45	11 34	1 43	19 9	1 35	20 55	0 3	18 47	1 29	12 17	16 47	13 26	13 51	27 42			n.a.
T 31	1n35	19n58	5n 1	8s51	2s27	7s28	1s31	24n21	1n45	11n36	1n43	19s 8	1n35	20n55	0n 3	18s47	1n29	12n18	16n47	13s28	13s52	27s42			n.a.

Julian Day Number = 1543605.5, Delta T = 04h35m54s
Ecliptic obliquity = 23°45'23, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'47, Lahiri = -10°40'46 Julian Calendar 1 March 487 BCE == Greg. Calendar 24 Feb. 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

APRIL 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 12 53	4♈54'34	24♉47	15♓ 8	16♓ 0	13♊15	4°R21	1°R14	2♊14	29°R 8	7°R36	24°R35	23♒27	3♑ 7	n.a.	F 1
S 2	12 16 49	5°52'33	8♊59	16°50	17°13	13°48	4♍15	1♐12	2°16	29♏ 7	7♎34	24♒31	23°24	3°14	n.a.	S 2
S 3	12 20 46	6°50'30	23°12	18°34	18°26	14°21	4°10	1°11	2°18	29° 6	7°32	24°28	23°21	3°21	n.a.	S 3
M 4	12 24 43	7°48'26	7♋24	20°21	19°40	14°53	4° 4	1° 9	2°21	29° 5	7°31	24°D28	23°18	3°27	n.a.	M 4
T 5	12 28 39	8°46'19	21°33	22° 8	20°53	15°26	3°59	1° 7	2°23	29° 5	7°29	24°28	23°14	3°34	n.a.	T 5
W 6	12 32 36	9°44'10	5♌37	23°58	22° 6	15°59	3°54	1° 5	2°26	29° 4	7°27	24°29	23°11	3°41	n.a.	W 6
T 7	12 36 32	10°42'00	19°35	25°50	23°20	16°33	3°49	1° 3	2°28	29° 3	7°26	24°R30	23° 8	3°48	n.a.	T 7
F 8	12 40 29	11°39'47	3♍25	27°44	24°33	17° 6	3°44	1° 1	2°31	29° 2	7°24	24°30	23° 5	3°54	n.a.	F 8
S 9	12 44 25	12°37'33	17° 6	29°39	25°46	17°39	3°40	0°59	2°33	29° 1	7°22	24°28	23° 2	4° 1	n.a.	S 9
S 10	12 48 22	13°35'17	0♎37	1♈36	27° 0	18°12	3°35	0°57	2°36	29° 0	7°21	24°23	22°59	4° 8	n.a.	S 10
M11	12 52 18	14°32'59	13°55	3°35	28°13	18°46	3°31	0°55	2°39	28°59	7°19	24°17	22°55	4°14	n.a.	M11
T 12	12 56 15	15°30'40	26°59	5°36	29°26	19°19	3°26	0°52	2°41	28°58	7°17	24° 9	22°52	4°21	n.a.	T 12
W13	13 0 12	16°28'20	9♏47	7°39	0♈40	19°53	3°22	0°50	2°44	28°57	7°16	24° 0	22°49	4°28	n.a.	W13
T 14	13 4 8	17°25'58	22°20	9°43	1°53	20°27	3°18	0°48	2°47	28°56	7°14	23°50	22°46	4°34	n.a.	T 14
F 15	13 8 5	18°23'35	4♐38	11°49	3° 6	21° 0	3°15	0°45	2°50	28°55	7°12	23°42	22°43	4°41	n.a.	F 15
S 16	13 12 1	19°21'11	16°43	13°56	4°20	21°34	3°11	0°42	2°52	28°53	7°11	23°35	22°40	4°48	n.a.	S 16
S 17	13 15 58	20°18'46	28°40	16° 4	5°33	22° 8	3° 8	0°40	2°55	28°52	7° 9	23°31	22°36	4°54	n.a.	S 17
M18	13 19 54	21°16'19	10♑31	18°13	6°46	22°42	3° 4	0°37	2°58	28°51	7° 7	23°28	22°33	5° 1	n.a.	M18
T 19	13 23 51	22°13'52	22°22	20°24	8° 0	23°16	3° 1	0°34	3° 1	28°50	7° 6	23°D27	22°30	5° 8	n.a.	T 19
W20	13 27 47	23°11'23	4♒18	22°35	9°13	23°50	2°58	0°31	3° 4	28°49	7° 4	23°28	22°27	5°14	n.a.	W20
T 21	13 31 44	24° 8'54	16°24	24°46	10°26	24°24	2°56	0°28	3° 7	28°47	7° 2	23°29	22°24	5°21	n.a.	T 21
F 22	13 35 41	25° 6'23	28°44	26°57	11°40	24°58	2°53	0°25	3°10	28°46	7° 1	23°R29	22°20	5°28	n.a.	F 22
S 23	13 39 37	26° 3'52	11♓24	29° 9	12°53	25°32	2°51	0°22	3°13	28°45	6°59	23°27	22°17	5°35	n.a.	S 23
S 24	13 43 34	27° 1'19	24°27	1♉20	14° 6	26° 6	2°49	0°18	3°16	28°44	6°58	23°23	22°14	5°41	n.a.	S 24
M25	13 47 30	27°58'46	7♈54	3°30	15°20	26°41	2°47	0°15	3°19	28°42	6°56	23°17	22°11	5°48	n.a.	M25
T 26	13 51 27	28°56'11	21°44	5°39	16°33	27°15	2°45	0°12	3°22	28°41	6°55	23° 9	22° 8	5°55	n.a.	T 26
W27	13 55 23	29°53'36	5♉54	7°47	17°47	27°50	2°43	0° 8	3°25	28°40	6°53	22°59	22° 5	6° 1	n.a.	W27
T 28	13 59 20	0♉50'59	20°19	9°54	19° 0	28°24	2°42	0° 5	3°28	28°38	6°52	22°49	22° 1	6° 8	n.a.	T 28
F 29	14 3 16	1°48'22	4♊53	11°59	20°13	28°59	2°40	0° 1	3°32	28°37	6°50	22°39	21°58	6°15	n.a.	F 29
S 30	14 7 13	2♉45'43	19♊28	14♉ 2	21♈27	29♊34	2♍39	29♏58	3♊35	28♏35	6♎49	22♒32	21♒55	6♑21	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n59	24n13	5n10	8s 9	2s24	7s 0	1s31	24n25	1n44	11n38	1n43	19s 8	1n35	20n55	0n 3	18s47	1n29	12n19	16n47	13s30	13s53	27s41		n.a.
S 2	2 22	27 1	5 0	7 25	2 21	6 31	1 31	24 29	1 44	11 40	1 43	19 8	1 35	20 56	0 3	18 46	1 29	12 19	16 47	13 31	13 54	27 40		n.a.
S 3	2 45	28 6	4 32	6 40	2 17	6 1	1 31	24 32	1 44	11 42	1 43	19 7	1 35	20 56	0 3	18 46	1 29	12 20	16 47	13 32	13 55	27 39		n.a.
M 4	3 8	27 19	3 47	5 54	2 12	5 32	1 31	24 36	1 43	11 44	1 43	19 7	1 35	20 57	0 3	18 46	1 29	12 21	16 47	13 33	13 56	27 39		n.a.
T 5	3 31	24 47	2 49	5 6	2 7	5 3	1 31	24 39	1 43	11 46	1 42	19 6	1 35	20 57	0 3	18 46	1 29	12 21	16 47	13 32	13 57	27 38		n.a.
W 6	3 54	20 44	1 40	4 17	2 1	4 33	1 30	24 43	1 43	11 48	1 42	19 6	1 35	20 58	0 3	18 46	1 29	12 22	16 47	13 32	13 58	27 37		n.a.
T 7	4 17	15 34	0 27	3 26	1 55	4 4	1 30	24 46	1 42	11 49	1 42	19 6	1 35	20 58	0 3	18 45	1 30	12 23	16 47	13 32	13 59	27 36		n.a.
F 8	4 40	9 38	0s48	2 34	1 49	3 34	1 30	24 49	1 42	11 51	1 42	19 5	1 35	20 59	0 3	18 45	1 30	12 23	16 46	13 32	14 0	27 36		n.a.
S 9	5 3	3 20	1 59	1 41	1 41	3 4	1 29	24 52	1 42	11 52	1 42	19 5	1 35	20 59	0 3	18 45	1 30	12 24	16 46	13 32	14 1	27 35		n.a.
S 10	5 26	3s 1	3 2	0 47	1 34	2 34	1 29	24 54	1 41	11 54	1 41	19 4	1 35	21 0	0 3	18 45	1 30	12 24	16 46	13 34	14 2	27 34		n.a.
M11	5 48	9 9	3 54	0n 8	1 26	2 4	1 28	24 57	1 41	11 55	1 41	19 4	1 35	21 0	0 3	18 44	1 30	12 25	16 46	13 36	14 3	27 33		n.a.
T 12	6 11	14 45	4 32	1 5	1 17	1 34	1 27	24 59	1 41	11 57	1 41	19 3	1 35	21 1	0 3	18 44	1 30	12 25	16 46	13 39	14 4	27 32		n.a.
W13	6 34	19 37	4 56	2 2	1 8	1 3	1 27	25 2	1 40	11 58	1 41	19 2	1 35	21 2	0 3	18 44	1 30	12 26	16 46	13 42	14 5	27 32		n.a.
T 14	6 56	23 30	5 6	3 0	0 59	0 33	1 26	25 4	1 40	11 59	1 41	19 2	1 35	21 2	0 3	18 44	1 30	12 26	16 46	13 45	14 7	27 31		n.a.
F 15	7 18	26 16	5 0	3 59	0 49	0 3	1 25	25 6	1 40	12 0	1 40	19 1	1 35	21 3	0 3	18 43	1 30	12 27	16 46	13 48	14 8	27 30		n.a.
S 16	7 40	27 45	4 41	4 58	0 39	0n27	1 24	25 8	1 39	12 1	1 40	19 1	1 36	21 3	0 3	18 43	1 30	12 27	16 46	13 50	14 9	27 29		n.a.
S 17	8 2	27 55	4 11	5 58	0 29	0 58	1 23	25 10	1 39	12 2	1 40	19 0	1 36	21 4	0 3	18 43	1 30	12 28	16 45	13 52	14 10	27 28		n.a.
M18	8 24	26 48	3 29	6 57	0 18	1 28	1 22	25 11	1 38	12 3	1 40	18 59	1 36	21 4	0 3	18 42	1 30	12 28	16 45	13 52	14 11	27 27		n.a.
T 19	8 46	24 29	2 39	7 57	0 8	1 58	1 21	25 13	1 38	12 4	1 39	18 59	1 36	21 5	0 3	18 42	1 30	12 29	16 45	13 53	14 12	27 27		n.a.
W20	9 8	21 4	1 41	8 56	0n 3	2 29	1 20	25 14	1 38	12 5	1 39	18 58	1 36	21 6	0 3	18 42	1 30	12 29	16 45	13 53	14 13	27 26		n.a.
T 21	9 29	16 44	0 38	9 55	0 13	2 59	1 19	25 15	1 37	12 6	1 39	18 58	1 36	21 6	0 3	18 42	1 30	12 30	16 45	13 52	14 14	27 25		n.a.
F 22	9 51	11 38	0n28	10 53	0 24	3 29	1 17	25 16	1 37	12 7	1 39	18 57	1 36	21 7	0 3	18 41	1 30	12 30	16 44	13 52	14 15	27 24		n.a.
S 23	10 12	5 56	1 34	11 51	0 34	3 59	1 16	25 17	1 37	12 7	1 38	18 56	1 36	21 7	0 3	18 41	1 30	12 31	16 44	13 53	14 16	27 23		n.a.
S 24	10 33	0n10	2 37	12 47	0 44	4 29	1 15	25 18	1 36	12 8	1 38	18 55	1 36	21 8	0 3	18 41	1 30	12 31	16 44	13 54	14 17	27 22		n.a.
M25	10 54	6 26	3 33	13 41	0 54	4 59	1 13	25 19	1 36	12 8	1 38	18 55	1 36	21 8	0 3	18 40	1 30	12 31	16 44	13 56	14 18	27 21		n.a.
T 26	11 14	12 34	4 19	14 34	1 3	5 29	1 12	25 19	1 36	12 9	1 38	18 54	1 36	21 9	0 3	18 40	1 30	12 32	16 43	13 59	14 19	27 20		n.a.
W27	11 35	18 12	4 49	15 26	1 12	5 59	1 10	25 19	1 35	12 9	1 37	18 53	1 36	21 10	0 3	18 40	1 30	12 32	16 43	14 2	14 20	27 19		n.a.
T 28	11 55	22 54	5 2	16 15	1 21	6 29	1 9	25 20	1 35	12 10	1 37	18 52	1 36	21 10	0 3	18 39	1 30	12 33	16 43	14 6	14 21	27 18		n.a.
F 29	12 15	26 14	4 56	17 2	1 29	6 58	1 7	25 20	1 34	12 10	1 37	18 52	1 36	21 11	0 3	18 39	1 30	12 33	16 43	14 9	14 22	27 17		n.a.
S 30	12n35	27n49	4n30	17n47	1n36	7n28	1s 5	25n19	1n34	12n10	1n37	18s51	1n36	21n12	0n 3	18s39	1n30	12n33	16n42	14s11	14s23	27s17		n.a.

Julian Day Number = 1543636.5, Delta T = 04h35m52s
Ecliptic obliquity = 23°45'23, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'43, Lahiri = -10°40'42 Julian Calendar 1 Apr. 487 BCE == Greg. Calendar 27 March 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

MAY 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 11 10	3♉43'03	3♋58	16♉ 3	22♈40	0♋ 8	2°R38	29°R54	3♊38	28°R34	6°R47	22°R26	21♒52	6♑28	n.a.	S 1
M 2	14 15 6	4°40'22	18°20	18° 2	23°54	0°43	2♍37	29♏50	3°41	28♏33	6♎46	22♒23	21°49	6°35	n.a.	M 2
T 3	14 19 3	5°37'40	2♌29	19°59	25° 7	1°18	2°37	29°46	3°44	28°31	6°44	22°D22	21°46	6°41	n.a.	T 3
W 4	14 22 59	6°34'56	16°25	21°54	26°21	1°53	2°37	29°43	3°48	28°30	6°43	22°R23	21°42	6°48	n.a.	W 4
T 5	14 26 56	7°32'12	0♍ 8	23°46	27°34	2°28	2°36	29°39	3°51	28°28	6°42	22°22	21°39	6°55	n.a.	T 5
F 6	14 30 52	8°29'26	13°39	25°36	28°47	3° 3	2°D36	29°35	3°54	28°27	6°40	22°21	21°36	7° 1	n.a.	F 6
S 7	14 34 49	9°26'39	26°58	27°23	0♎ 1	3°38	2°36	29°31	3°58	28°25	6°39	22°17	21°33	7° 8	n.a.	S 7
S 8	14 38 45	10°23'51	10♎ 6	29° 7	1°14	4°13	2°37	29°27	4° 1	28°24	6°37	22°11	21°30	7°15	n.a.	S 8
M 9	14 42 42	11°21'02	23° 3	0♏50	2°28	4°48	2°37	29°23	4° 4	28°22	6°36	22° 1	21°26	7°21	n.a.	M 9
T 10	14 46 39	12°18'13	5♏48	2°29	3°41	5°23	2°38	29°19	4° 8	28°21	6°35	21°50	21°23	7°28	n.a.	T 10
W11	14 50 35	13°15'23	18°21	4° 6	4°55	5°58	2°39	29°15	4°11	28°19	6°34	21°37	21°20	7°35	n.a.	W11
T 12	14 54 32	14°12'32	0♐43	5°40	6° 8	6°34	2°40	29°11	4°15	28°18	6°32	21°24	21°17	7°42	n.a.	T 12
F 13	14 58 28	15° 9'41	12°53	7°12	7°22	7° 9	2°41	29° 6	4°18	28°16	6°31	21°12	21°14	7°48	n.a.	F 13
S 14	15 2 25	16° 6'50	24°54	8°41	8°35	7°44	2°43	29° 2	4°22	28°14	6°30	21° 2	21°11	7°55	n.a.	S 14
S 15	15 6 21	17° 3'58	6♑48	10° 7	9°49	8°20	2°44	28°58	4°25	28°13	6°29	20°54	21° 7	8° 2	n.a.	S 15
M16	15 10 18	18° 1'06	18°37	11°30	11° 2	8°55	2°46	28°54	4°29	28°11	6°28	20°49	21° 4	8° 8	n.a.	M16
T 17	15 14 14	18°58'14	0♒27	12°51	12°16	9°31	2°48	28°49	4°32	28°10	6°27	20°47	21° 1	8°15	n.a.	T 17
W18	15 18 11	19°55'21	12°21	14° 9	13°29	10° 7	2°50	28°45	4°36	28° 8	6°25	20°46	20°58	8°22	n.a.	W18
T 19	15 22 8	20°52'29	24°26	15°24	14°43	10°42	2°52	28°41	4°39	28° 7	6°24	20°46	20°55	8°28	n.a.	T 19
F 20	15 26 4	21°49'36	6♓46	16°37	15°56	11°18	2°55	28°36	4°43	28° 5	6°23	20°45	20°51	8°35	n.a.	F 20
S 21	15 30 1	22°46'43	19°26	17°46	17°10	11°54	2°57	28°32	4°46	28° 3	6°22	20°44	20°48	8°42	n.a.	S 21
S 22	15 33 57	23°43'50	2♈31	18°52	18°23	12°29	3° 0	28°28	4°50	28° 2	6°21	20°40	20°45	8°48	n.a.	S 22
M23	15 37 54	24°40'57	16° 4	19°56	19°37	13° 5	3° 3	28°23	4°53	28° 0	6°20	20°33	20°42	8°55	n.a.	M23
T 24	15 41 50	25°38'04	0♉ 5	20°56	20°50	13°41	3° 6	28°19	4°57	27°58	6°19	20°24	20°39	9° 2	n.a.	T 24
W25	15 45 47	26°35'12	14°30	21°52	22° 4	14°17	3° 9	28°15	5° 0	27°57	6°18	20°14	20°36	9° 8	n.a.	W25
T 26	15 49 43	27°32'19	29°15	22°46	23°18	14°53	3°13	28°10	5° 4	27°55	6°18	20° 3	20°32	9°15	n.a.	T 26
F 27	15 53 40	28°29'26	14♊11	23°36	24°31	15°29	3°16	28° 6	5° 8	27°54	6°17	19°52	20°29	9°22	n.a.	F 27
S 28	15 57 37	29°26'33	29° 9	24°22	25°45	16° 5	3°20	28° 1	5°11	27°52	6°16	19°44	20°26	9°28	n.a.	S 28
S 29	16 1 33	0♊23'40	14♋ 0	25° 5	26°59	16°42	3°24	27°57	5°15	27°50	6°15	19°38	20°23	9°35	n.a.	S 29
M30	16 5 30	1°20'46	28°38	25°44	28°12	17°18	3°28	27°53	5°18	27°49	6°14	19°34	20°20	9°42	n.a.	M30
T 31	16 9 26	2♊17'53	12♌57	26♊18	29♉26	17♋54	3♍33	27♏48	5♊22	27♏47	6♎13	19♒33	20♒17	9♑48	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	12n55	27n29	3n47	18n30	1n43	7n57	1s 4	25n19	1n34	12n10	1n36	18s50	1n36	21n12	0n 3	18s38	1n30	12n33	16n42	14s13	14s24	27s16			n.a.
M 2	13 15	25 18	2 50	19 10	1 49	8 26	1 2	25 19	1 33	12 10	1 36	18 49	1 36	21 13	0 3	18 38	1 30	12 34	16 42	14 14	14 25	27 15			n.a.
T 3	13 34	21 33	1 43	19 48	1 54	8 55	1 0	25 18	1 33	12 10	1 36	18 49	1 36	21 13	0 3	18 38	1 30	12 34	16 41	14 14	14 26	27 14			n.a.
W 4	13 53	16 38	0 32	20 24	1 59	9 24	0 58	25 17	1 33	12 10	1 36	18 48	1 36	21 14	0 3	18 37	1 30	12 34	16 41	14 14	14 27	27 13			n.a.
T 5	14 12	10 56	0s41	20 57	2 3	9 52	0 56	25 16	1 32	12 10	1 35	18 47	1 36	21 15	0 3	18 37	1 30	12 35	16 41	14 14	14 28	27 12			n.a.
F 6	14 31	4 49	1 50	21 27	2 6	10 20	0 55	25 15	1 32	12 9	1 35	18 46	1 36	21 15	0 3	18 37	1 30	12 35	16 40	14 15	14 29	27 11			n.a.
S 7	14 50	1s24	2 52	21 56	2 9	10 48	0 53	25 14	1 31	12 9	1 35	18 45	1 36	21 16	0 3	18 36	1 30	12 35	16 40	14 16	14 31	27 10			n.a.
S 8	15 8	7 29	3 44	22 21	2 11	11 16	0 51	25 12	1 31	12 9	1 35	18 44	1 36	21 17	0 3	18 36	1 30	12 35	16 40	14 18	14 32	27 9			n.a.
M 9	15 26	13 8	4 23	22 45	2 12	11 44	0 49	25 11	1 31	12 8	1 34	18 44	1 36	21 17	0 3	18 36	1 30	12 35	16 39	14 21	14 33	27 8			n.a.
T 10	15 44	18 9	4 49	23 6	2 12	12 11	0 47	25 9	1 30	12 8	1 34	18 43	1 36	21 18	0 3	18 35	1 30	12 36	16 39	14 25	14 34	27 7			n.a.
W11	16 1	22 18	5 0	23 24	2 12	12 38	0 44	25 7	1 30	12 7	1 34	18 42	1 36	21 19	0 3	18 35	1 30	12 36	16 39	14 29	14 35	27 6			n.a.
T 12	16 19	25 24	4 56	23 41	2 11	13 5	0 42	25 5	1 30	12 7	1 34	18 41	1 36	21 19	0 3	18 35	1 30	12 36	16 38	14 33	14 36	27 5			n.a.
F 13	16 36	27 16	4 39	23 55	2 9	13 31	0 40	25 3	1 29	12 6	1 33	18 40	1 36	21 20	0 3	18 34	1 30	12 36	16 38	14 37	14 37	27 3			n.a.
S 14	16 53	27 49	4 10	24 7	2 7	13 57	0 38	25 0	1 29	12 5	1 33	18 39	1 36	21 21	0 3	18 34	1 30	12 36	16 37	14 41	14 38	27 2			n.a.
S 15	17 9	27 5	3 30	24 18	2 3	14 23	0 36	24 58	1 28	12 4	1 33	18 38	1 36	21 21	0 3	18 34	1 30	12 36	16 37	14 43	14 39	27 1			n.a.
M16	17 25	25 6	2 41	24 26	1 59	14 48	0 34	24 55	1 28	12 3	1 32	18 37	1 36	21 22	0 3	18 33	1 30	12 36	16 37	14 45	14 40	27 0			n.a.
T 17	17 41	22 2	1 45	24 32	1 55	15 13	0 31	24 52	1 28	12 3	1 32	18 36	1 36	21 23	0 3	18 33	1 30	12 36	16 36	14 45	14 41	26 59			n.a.
W18	17 57	18 2	0 44	24 37	1 50	15 38	0 29	24 49	1 27	12 2	1 32	18 36	1 36	21 23	0 3	18 33	1 30	12 36	16 36	14 46	14 42	26 58			n.a.
T 19	18 13	13 15	0n19	24 40	1 44	16 2	0 27	24 46	1 27	12 0	1 32	18 35	1 35	21 24	0 3	18 32	1 30	12 36	16 35	14 46	14 43	26 57			n.a.
F 20	18 28	7 51	1 24	24 41	1 37	16 26	0 25	24 42	1 26	11 59	1 31	18 34	1 35	21 25	0 3	18 32	1 30	12 36	16 35	14 46	14 44	26 56			n.a.
S 21	18 43	2 1	2 25	24 40	1 30	16 50	0 22	24 39	1 26	11 58	1 31	18 33	1 35	21 25	0 3	18 31	1 30	12 36	16 34	14 46	14 45	26 55			n.a.
S 22	18 57	4n 6	3 22	24 38	1 22	17 13	0 20	24 35	1 26	11 57	1 31	18 32	1 35	21 26	0 3	18 31	1 30	12 36	16 34	14 48	14 46	26 54			n.a.
M23	19 11	10 13	4 9	24 35	1 13	17 35	0 18	24 31	1 25	11 55	1 31	18 31	1 35	21 27	0 3	18 31	1 30	12 36	16 34	14 50	14 47	26 53			n.a.
T 24	19 25	16 2	4 42	24 30	1 4	17 57	0 15	24 27	1 25	11 54	1 30	18 30	1 35	21 27	0 3	18 30	1 30	12 36	16 33	14 53	14 48	26 51			n.a.
W25	19 39	21 9	4 59	24 24	0 54	18 19	0 13	24 23	1 25	11 53	1 30	18 29	1 35	21 28	0 3	18 30	1 30	12 36	16 33	14 56	14 49	26 50			n.a.
T 26	19 52	25 5	4 57	24 17	0 44	18 40	0 11	24 18	1 24	11 51	1 30	18 28	1 35	21 28	0 3	18 30	1 30	12 36	16 32	15 0	14 50	26 49			n.a.
F 27	20 5	27 21	4 34	24 9	0 33	19 1	0 8	24 14	1 24	11 50	1 30	18 27	1 35	21 29	0 3	18 29	1 30	12 36	16 32	15 3	14 51	26 48			n.a.
S 28	20 18	27 38	3 53	23 59	0 21	19 21	0 6	24 9	1 23	11 48	1 29	18 26	1 35	21 30	0 3	18 29	1 30	12 36	16 31	15 6	14 52	26 47			n.a.
S 29	20 30	25 56	2 56	23 49	0 9	19 41	0 4	24 4	1 23	11 46	1 29	18 26	1 35	21 30	0 3	18 29	1 30	12 36	16 31	15 8	14 53	26 46			n.a.
M30	20 42	22 28	1 48	23 38	0s 4	20 0	0 1	23 59	1 23	11 44	1 29	18 25	1 35	21 31	0 3	18 28	1 30	12 36	16 30	15 9	14 54	26 45			n.a.
T 31	20n54	17n42	0n35	23n25	0s17	20n19	0n 1	23n54	1n22	11n43	1n28	18s24	1n35	21n32	0n 3	18s28	1n30	12n35	16n30	15s 9	14s55	26s43			n.a.

Julian Day Number = 1543666.5, Delta T = 04h35m51s
Ecliptic obliquity = 23°45'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'39, Lahiri = -10°40'38 Julian Calendar 1 May 487 BCE == Greg. Calendar 26 Apr. 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

JUNE 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 13 23	3♊14'58	26♌57	26♊49	0♊40	18♋30	3♍37	27°R44	5♊26	27°R46	6°R13	19°R33	20♒13	9♉55	n.a.	W 1
T 2	16 17 19	4°12'04	10♍37	27°16	1°53	19° 7	3°42	27♏40	5°29	27♏44	6♎12	19♒33	20°10	10° 2	n.a.	T 2
F 3	16 21 16	5° 9'10	23°59	27°38	3° 7	19°43	3°46	27°35	5°33	27°42	6°11	19°32	20° 7	10° 9	n.a.	F 3
S 4	16 25 13	6° 6'15	7♎ 4	27°56	4°21	20°20	3°51	27°31	5°36	27°41	6°11	19°28	20° 4	10°15	n.a.	S 4
S 5	16 29 9	7° 3'20	19°56	28° 9	5°34	20°56	3°56	27°27	5°40	27°39	6°10	19°22	20° 1	10°22	n.a.	S 5
M 6	16 33 6	8° 0'26	2♏35	28°18	6°48	21°33	4° 2	27°22	5°44	27°38	6°10	19°14	19°57	10°29	n.a.	M 6
T 7	16 37 2	8°57'31	15° 3	28°R22	8° 2	22° 9	4° 7	27°18	5°47	27°36	6° 9	19° 3	19°54	10°35	n.a.	T 7
W 8	16 40 59	9°54'37	27°21	28°21	9°16	22°46	4°12	27°14	5°51	27°34	6° 9	18°51	19°51	10°42	n.a.	W 8
T 9	16 44 55	10°51'43	9♐31	28°15	10°29	23°22	4°18	27°10	5°54	27°33	6° 8	18°39	19°48	10°49	n.a.	T 9
F 10	16 48 52	11°48'50	21°32	28° 5	11°43	23°59	4°24	27° 5	5°58	27°31	6° 8	18°28	19°45	10°55	n.a.	F 10
S 11	16 52 48	12°45'57	3♑27	27°50	12°57	24°36	4°30	27° 1	6° 2	27°30	6° 7	18°18	19°42	11° 2	n.a.	S 11
S 12	16 56 45	13°43'04	15°17	27°30	14°11	25°13	4°36	26°57	6° 5	27°28	6° 7	18°11	19°38	11° 9	n.a.	S 12
M13	17 0 42	14°40'12	27° 6	27° 7	15°25	25°50	4°42	26°53	6° 9	27°27	6° 7	18° 7	19°35	11°15	n.a.	M13
T 14	17 4 38	15°37'21	8♒55	26°39	16°38	26°27	4°48	26°49	6°12	27°25	6° 6	18° 5	19°32	11°22	n.a.	T 14
W15	17 8 35	16°34'30	20°49	26° 8	17°52	27° 3	4°55	26°45	6°16	27°24	6° 6	18°D 4	19°29	11°29	n.a.	W15
T 16	17 12 31	17°31'41	2♓53	25°33	19° 6	27°40	5° 2	26°41	6°20	27°22	6° 6	18° 5	19°26	11°35	n.a.	T 16
F 17	17 16 28	18°28'52	15°11	24°56	20°20	28°18	5° 8	26°37	6°23	27°21	6° 6	18°R 5	19°23	11°42	n.a.	F 17
S 18	17 20 24	19°26'04	27°50	24°16	21°34	28°55	5°15	26°33	6°27	27°19	6° 5	18° 5	19°19	11°49	n.a.	S 18
S 19	17 24 21	20°23'16	10♈53	23°36	22°48	29°32	5°22	26°29	6°30	27°18	6° 5	18° 3	19°16	11°55	n.a.	S 19
M20	17 28 18	21°20'30	24°23	22°54	24° 2	0♌ 9	5°29	26°26	6°34	27°16	6° 5	17°59	19°13	12° 2	n.a.	M20
T 21	17 32 14	22°17'45	8♉23	22°12	25°16	0°46	5°37	26°22	6°37	27°15	6° 5	17°53	19°10	12° 9	n.a.	T 21
W22	17 36 11	23°15'01	22°51	21°31	26°30	1°24	5°44	26°18	6°41	27°13	6°D 5	17°46	19° 7	12°15	n.a.	W22
T 23	17 40 7	24°12'18	7♊42	20°51	27°44	2° 1	5°52	26°15	6°44	27°12	6° 5	17°38	19° 3	12°22	n.a.	T 23
F 24	17 44 4	25° 9'36	22°48	20°13	28°58	2°38	5°59	26°11	6°48	27°11	6° 5	17°30	19° 0	12°29	n.a.	F 24
S 25	17 48 0	26° 6'55	8♋ 0	19°38	0♋12	3°16	6° 7	26° 7	6°51	27° 9	6° 5	17°24	18°57	12°35	n.a.	S 25
S 26	17 51 57	27° 4'15	23° 8	19° 7	1°26	3°53	6°15	26° 4	6°55	27° 8	6° 5	17°19	18°54	12°42	n.a.	S 26
M27	17 55 53	28° 1'35	8♌ 2	18°39	2°40	4°31	6°23	26° 1	6°58	27° 7	6° 5	17°17	18°51	12°49	n.a.	M27
T 28	17 59 50	28°58'56	22°36	18°16	3°54	5° 8	6°31	25°57	7° 1	27° 5	6° 6	17°D17	18°48	12°55	n.a.	T 28
W29	18 3 47	29°56'18	6♍47	17°59	5° 8	5°46	6°40	25°54	7° 5	27° 4	6° 6	17°18	18°44	13° 2	n.a.	W29
T 30	18 7 43	0♋53'40	20♍32	17♊47	6♋22	6♌24	6♍48	25♏51	7♊ 8	27♏ 3	6♎ 6	17♒19	18♒41	13♉ 9	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n 5	12n 5	0s39	23n13	0s30	20n37	0n 4	23n48	1n22	11n41	1n28	18s23	1n35	21n32	0n 3	18s28	1n30	12n35	16n29	15s 9	14s56	26s42		n.a.
T 2	21 16	6 0	1 49	22 59	0 44	20 55	0 6	23 43	1 21	11 39	1 28	18 22	1 34	21 33	0 3	18 27	1 30	12 35	16 29	15 9	14 57	26 41		n.a.
F 3	21 26	0s12	2 52	22 45	0 59	21 12	0 8	23 37	1 21	11 37	1 28	18 21	1 34	21 34	0 3	18 27	1 30	12 35	16 28	15 9	14 58	26 40		n.a.
S 4	21 37	6 16	3 44	22 31	1 13	21 28	0 11	23 31	1 20	11 35	1 27	18 20	1 34	21 34	0 3	18 27	1 30	12 35	16 28	15 11	14 59	26 39		n.a.
S 5	21 47	11 57	4 23	22 16	1 28	21 44	0 13	23 25	1 20	11 33	1 27	18 19	1 34	21 35	0 3	18 26	1 30	12 34	16 27	15 12	15 0	26 37		n.a.
M 6	21 56	17 3	4 49	22 1	1 44	21 59	0 15	23 19	1 20	11 31	1 27	18 18	1 34	21 36	0 3	18 26	1 30	12 34	16 26	15 15	15 1	26 36		n.a.
T 7	22 5	21 21	5 1	21 46	1 59	22 14	0 18	23 13	1 19	11 28	1 27	18 18	1 34	21 36	0 3	18 25	1 30	12 34	16 26	15 18	15 2	26 35		n.a.
W 8	22 14	24 40	4 59	21 31	2 14	22 28	0 20	23 6	1 19	11 26	1 26	18 17	1 34	21 37	0 3	18 25	1 30	12 33	16 25	15 22	15 3	26 34		n.a.
T 9	22 22	26 49	4 42	21 15	2 29	22 41	0 22	22 59	1 18	11 24	1 26	18 16	1 34	21 38	0 3	18 25	1 30	12 33	16 25	15 26	15 4	26 32		n.a.
F 10	22 30	27 42	4 14	21 0	2 44	22 54	0 25	22 52	1 18	11 21	1 26	18 15	1 34	21 38	0 3	18 24	1 30	12 33	16 24	15 30	15 5	26 31		n.a.
S 11	22 38	27 17	3 34	20 45	2 59	23 6	0 27	22 45	1 18	11 19	1 26	18 14	1 34	21 39	0 3	18 24	1 30	12 32	16 24	15 33	15 6	26 30		n.a.
S 12	22 45	25 36	2 45	20 31	3 13	23 17	0 29	22 38	1 17	11 16	1 26	18 13	1 33	21 40	0 3	18 24	1 30	12 32	16 23	15 35	15 7	26 29		n.a.
M13	22 52	22 48	1 50	20 17	3 27	23 28	0 31	22 31	1 17	11 14	1 25	18 12	1 33	21 40	0 3	18 24	1 30	12 32	16 23	15 36	15 8	26 27		n.a.
T 14	22 58	19 3	0 49	20 3	3 40	23 38	0 33	22 23	1 16	11 11	1 25	18 12	1 33	21 41	0 3	18 23	1 30	12 31	16 22	15 37	15 9	26 26		n.a.
W15	23 4	14 31	0n15	19 50	3 52	23 47	0 36	22 16	1 16	11 9	1 25	18 11	1 33	21 42	0 3	18 23	1 30	12 31	16 21	15 37	15 10	26 25		n.a.
T 16	23 10	9 22	1 18	19 38	4 3	23 56	0 38	22 8	1 15	11 6	1 25	18 10	1 33	21 42	0 3	18 23	1 30	12 30	16 21	15 37	15 11	26 24		n.a.
F 17	23 15	3 46	2 20	19 27	4 12	24 4	0 40	22 0	1 15	11 3	1 24	18 9	1 33	21 43	0 3	18 22	1 30	12 30	16 20	15 37	15 12	26 22		n.a.
S 18	23 20	2n 7	3 16	19 17	4 21	24 11	0 42	21 52	1 15	11 1	1 24	18 8	1 33	21 43	0 3	18 22	1 30	12 30	16 20	15 37	15 13	26 21		n.a.
S 19	23 24	8 6	4 4	19 8	4 28	24 17	0 44	21 44	1 14	10 58	1 24	18 8	1 32	21 44	0 3	18 22	1 30	12 29	16 19	15 37	15 14	26 20		n.a.
M20	23 28	13 55	4 41	19 1	4 34	24 23	0 46	21 35	1 14	10 55	1 24	18 7	1 32	21 45	0 3	18 21	1 30	12 29	16 19	15 39	15 15	26 18		n.a.
T 21	23 32	19 14	5 2	18 54	4 37	24 28	0 48	21 27	1 13	10 52	1 23	18 6	1 32	21 45	0 3	18 21	1 30	12 28	16 18	15 40	15 16	26 17		n.a.
W22	23 35	23 38	5 5	18 50	4 40	24 32	0 50	21 18	1 13	10 49	1 23	18 5	1 32	21 46	0 3	18 21	1 30	12 28	16 17	15 43	15 17	26 16		n.a.
T 23	23 38	26 37	4 48	18 47	4 40	24 36	0 52	21 9	1 12	10 46	1 23	18 5	1 32	21 46	0 3	18 20	1 30	12 27	16 17	15 45	15 18	26 14		n.a.
F 24	23 40	27 43	4 10	18 45	4 39	24 39	0 54	21 0	1 12	10 43	1 23	18 4	1 32	21 47	0 3	18 20	1 30	12 27	16 16	15 48	15 19	26 13		n.a.
S 25	23 42	26 45	3 15	18 45	4 36	24 41	0 56	20 51	1 12	10 40	1 23	18 3	1 32	21 48	0 3	18 20	1 29	12 26	16 16	15 50	15 20	26 12		n.a.
S 26	23 43	23 49	2 6	18 47	4 32	24 42	0 57	20 41	1 11	10 37	1 22	18 3	1 31	21 48	0 3	18 20	1 29	12 25	16 15	15 51	15 21	26 10		n.a.
M27	23 44	19 18	0 50	18 51	4 26	24 43	0 59	20 32	1 11	10 33	1 22	18 2	1 31	21 49	0 3	18 19	1 29	12 25	16 15	15 51	15 22	26 9		n.a.
T 28	23 45	13 43	0s29	18 56	4 18	24 43	1 1	20 22	1 10	10 30	1 22	18 1	1 31	21 49	0 3	18 19	1 29	12 24	16 14	15 52	15 23	26 7		n.a.
W29	23 45	7 33	1 43	19 4	4 10	24 42	1 3	20 12	1 10	10 27	1 22	18 1	1 31	21 50	0 3	18 19	1 29	12 24	16 13	15 51	15 24	26 6		n.a.
T 30	23n45	1n12	2s50	19n13	3s59	24n40	1n 4	20n 2	1n 9	10n23	1n22	18s 0	1n31	21n51	0n 3	18s19	1n29	12n23	16n13	15s51	15s25	26s 5		n.a.

Julian Day Number = 1543697.5, Delta T = 04h35m50s
Ecliptic obliquity = 23°45'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'34, Lahiri = -10°40'34 Julian Calendar 1 June 487 BCE == Greg. Calendar 27 May 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

JULY 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 11 40	1♋51'03	3♎55	17°R41	7♋36	7♌ 1	6♍57	25°R48	7♊12	27°R 1	6♎ 6	17°R19	18♒38	13♑15	n.a.	F 1
S 2	18 15 36	2°48'27	16°56	17°D40	8°50	7°39	7° 5	25♏45	7°15	27♏ 0	6° 7	17♒18	18°35	13°22	n.a.	S 2
S 3	18 19 33	3°45'52	29°40	17♊47	10° 4	8°17	7°14	25°42	7°18	26°59	6° 7	17°15	18°32	13°29	n.a.	S 3
M 4	18 23 29	4°43'18	12♏ 8	18° 0	11°18	8°55	7°23	25°39	7°22	26°58	6° 7	17°11	18°29	13°35	n.a.	M 4
T 5	18 27 26	5°40'45	24°24	18°19	12°32	9°33	7°32	25°36	7°25	26°57	6° 8	17° 5	18°25	13°42	n.a.	T 5
W 6	18 31 22	6°38'12	6♐31	18°45	13°46	10°11	7°41	25°33	7°28	26°55	6° 8	16°58	18°22	13°49	n.a.	W 6
T 7	18 35 19	7°35'41	18°31	19°18	15° 0	10°49	7°50	25°30	7°31	26°54	6° 9	16°50	18°19	13°55	n.a.	T 7
F 8	18 39 16	8°33'11	0♑25	19°58	16°14	11°27	7°59	25°28	7°35	26°53	6° 9	16°44	18°16	14° 2	n.a.	F 8
S 9	18 43 12	9°30'43	12°16	20°44	17°29	12° 5	8° 9	25°25	7°38	26°52	6°10	16°38	18°13	14° 9	n.a.	S 9
S 10	18 47 9	10°28'15	24° 4	21°36	18°43	12°43	8°18	25°23	7°41	26°51	6°10	16°34	18° 9	14°15	n.a.	S 10
M11	18 51 5	11°25'49	5♒54	22°35	19°57	13°21	8°28	25°20	7°44	26°50	6°11	16°32	18° 6	14°22	n.a.	M11
T 12	18 55 2	12°23'25	17°46	23°40	21°11	13°59	8°37	25°18	7°47	26°49	6°12	16°D31	18° 3	14°29	n.a.	T 12
W13	18 58 58	13°21'02	29°44	24°51	22°25	14°37	8°47	25°16	7°50	26°48	6°12	16°32	18° 0	14°36	n.a.	W13
T 14	19 2 55	14°18'40	11♓52	26° 7	23°39	15°16	8°57	25°14	7°54	26°47	6°13	16°33	17°57	14°42	n.a.	T 14
F 15	19 6 52	15°16'20	24°13	27°30	24°54	15°54	9° 7	25°12	7°57	26°46	6°14	16°35	17°54	14°49	n.a.	F 15
S 16	19 10 48	16°14'02	6♈51	28°57	26° 8	16°33	9°17	25°10	8° 0	26°45	6°15	16°36	17°50	14°56	n.a.	S 16
S 17	19 14 45	17°11'46	19°51	0♋29	27°22	17°11	9°27	25° 8	8° 3	26°44	6°15	16°R37	17°47	15° 2	n.a.	S 17
M18	19 18 41	18° 9'31	3♉16	2° 5	28°36	17°50	9°37	25° 6	8° 6	26°43	6°16	16°36	17°44	15° 9	n.a.	M18
T 19	19 22 38	19° 7'19	17° 7	3°46	29°50	18°28	9°47	25° 4	8° 9	26°43	6°17	16°34	17°41	15°16	n.a.	T 19
W20	19 26 34	20° 5'08	1♊26	5°30	1♌ 5	19° 7	9°58	25° 3	8°11	26°42	6°18	16°31	17°38	15°22	n.a.	W20
T 21	19 30 31	21° 2'59	16° 9	7°17	2°19	19°45	10° 8	25° 1	8°14	26°41	6°19	16°27	17°35	15°29	n.a.	T 21
F 22	19 34 27	22° 0'52	1♋10	9° 7	3°33	20°24	10°19	25° 0	8°17	26°40	6°20	16°24	17°31	15°36	n.a.	F 22
S 23	19 38 24	22°58'47	16°22	11° 0	4°47	21° 3	10°30	24°58	8°20	26°40	6°21	16°21	17°28	15°42	n.a.	S 23
S 24	19 42 21	23°56'44	1♌34	12°54	6° 2	21°42	10°40	24°57	8°23	26°39	6°22	16°20	17°25	15°49	n.a.	S 24
M25	19 46 17	24°54'42	16°36	14°50	7°16	22°21	10°51	24°56	8°26	26°38	6°23	16°D19	17°22	15°56	n.a.	M25
T 26	19 50 14	25°52'41	1♍21	16°47	8°30	23° 0	11° 2	24°55	8°28	26°38	6°24	16°20	17°19	16° 2	n.a.	T 26
W27	19 54 10	26°50'42	15°43	18°45	9°45	23°39	11°13	24°54	8°31	26°37	6°25	16°21	17°15	16° 9	n.a.	W27
T 28	19 58 7	27°48'45	29°39	20°43	10°59	24°18	11°24	24°53	8°34	26°36	6°26	16°22	17°12	16°16	n.a.	T 28
F 29	20 2 3	28°46'49	13♎ 8	22°41	12°13	24°57	11°35	24°52	8°36	26°36	6°28	16°23	17° 9	16°22	n.a.	F 29
S 30	20 6 0	29°44'54	26°13	24°40	13°27	25°36	11°46	24°52	8°39	26°35	6°29	16°R24	17° 6	16°29	n.a.	S 30
S 31	20 9 56	0♌43'01	8♏56	26♋38	14♌42	26♌15	11♍57	24♏51	8♊41	26♏35	6♎30	16♒24	17♒ 3	16♑36	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n45	5s 1	3s45	19n23	3s48	24n38	1n 6	19n52	1n 9	10n20	1n21	18s 0	1n31	21n51	0n 3	18s18	1n29	12n22	16n12	15s51	15s26	26s 3		n.a.
S 2	23 44	10 50	4 27	19 35	3 36	24 35	1 7	19 42	1 8	10 17	1 21	17 59	1 30	21 52	0 3	18 18	1 29	12 22	16 12	15 51	15 27	26 2		n.a.
S 3	23 42	16 5	4 55	19 49	3 23	24 31	1 9	19 32	1 8	10 13	1 21	17 59	1 30	21 52	0 3	18 18	1 29	12 21	16 11	15 52	15 28	26 0		n.a.
M 4	23 40	20 33	5 8	20 4	3 9	24 26	1 10	19 21	1 8	10 10	1 21	17 58	1 30	21 53	0 3	18 18	1 29	12 20	16 10	15 53	15 29	25 59		n.a.
T 5	23 38	24 4	5 7	20 20	2 55	24 21	1 12	19 11	1 7	10 6	1 21	17 58	1 30	21 53	0 3	18 17	1 29	12 20	16 10	15 55	15 30	25 58		n.a.
W 6	23 35	26 28	4 52	20 37	2 40	24 14	1 13	19 0	1 7	10 2	1 20	17 57	1 30	21 54	0 3	18 17	1 29	12 19	16 9	15 58	15 31	25 56		n.a.
T 7	23 32	27 38	4 24	20 55	2 25	24 8	1 14	18 49	1 6	9 59	1 20	17 57	1 30	21 55	0 3	18 17	1 29	12 18	16 9	16 0	15 32	25 55		n.a.
F 8	23 29	27 30	3 45	21 13	2 9	24 0	1 15	18 38	1 6	9 55	1 20	17 56	1 29	21 55	0 3	18 17	1 29	12 17	16 8	16 2	15 33	25 53		n.a.
S 9	23 25	26 6	2 56	21 32	1 54	23 52	1 17	18 26	1 5	9 51	1 20	17 56	1 29	21 56	0 3	18 16	1 29	12 17	16 7	16 4	15 34	25 52		n.a.
S 10	23 20	23 32	1 59	21 51	1 38	23 43	1 18	18 15	1 5	9 48	1 20	17 55	1 29	21 56	0 3	18 16	1 29	12 16	16 7	16 5	15 35	25 50		n.a.
M11	23 15	19 59	0 58	22 10	1 23	23 33	1 19	18 4	1 4	9 44	1 19	17 55	1 29	21 57	0 3	18 16	1 29	12 15	16 6	16 5	15 36	25 49		n.a.
T 12	23 10	15 36	0n 7	22 29	1 7	23 22	1 20	17 52	1 4	9 40	1 19	17 54	1 29	21 57	0 3	18 16	1 29	12 14	16 6	16 6	15 37	25 47		n.a.
W13	23 5	10 36	1 12	22 47	0 52	23 11	1 21	17 40	1 3	9 36	1 19	17 54	1 28	21 58	0 3	18 16	1 29	12 14	16 5	16 5	15 38	25 46		n.a.
T 14	22 59	5 8	2 14	23 4	0 38	22 59	1 21	17 28	1 3	9 32	1 19	17 54	1 28	21 58	0 3	18 15	1 29	12 13	16 5	16 5	15 39	25 44		n.a.
F 15	22 52	0n36	3 12	23 21	0 23	22 47	1 22	17 16	1 3	9 28	1 19	17 53	1 28	21 59	0 4	18 15	1 29	12 12	16 4	16 4	15 40	25 43		n.a.
S 16	22 45	6 27	4 2	23 36	0 9	22 34	1 23	17 4	1 2	9 24	1 19	17 53	1 28	21 59	0 4	18 15	1 29	12 11	16 3	16 4	15 41	25 41		n.a.
S 17	22 38	12 11	4 41	23 49	0n 4	22 20	1 24	16 52	1 2	9 20	1 18	17 53	1 28	22 0	0 4	18 15	1 29	12 10	16 3	16 4	15 42	25 40		n.a.
M18	22 30	17 32	5 6	24 1	0 16	22 5	1 24	16 40	1 1	9 16	1 18	17 53	1 28	22 0	0 4	18 15	1 29	12 9	16 2	16 4	15 43	25 38		n.a.
T 19	22 22	22 11	5 14	24 10	0 28	21 50	1 25	16 27	1 1	9 12	1 18	17 52	1 27	22 1	0 4	18 15	1 28	12 9	16 2	16 5	15 44	25 37		n.a.
W20	22 14	25 40	5 3	24 18	0 39	21 34	1 25	16 14	1 0	9 8	1 18	17 52	1 27	22 1	0 4	18 15	1 28	12 8	16 1	16 6	15 45	25 35		n.a.
T 21	22 5	27 33	4 33	24 23	0 50	21 18	1 26	16 2	1 0	9 4	1 18	17 52	1 27	22 2	0 4	18 14	1 28	12 7	16 1	16 7	15 46	25 34		n.a.
F 22	21 56	27 28	3 43	24 25	0 59	21 1	1 26	15 49	0 59	9 0	1 18	17 52	1 27	22 2	0 4	18 14	1 28	12 6	16 0	16 8	15 47	25 32		n.a.
S 23	21 46	25 21	2 38	24 25	1 8	20 43	1 27	15 36	0 59	8 55	1 17	17 52	1 27	22 3	0 4	18 14	1 28	12 5	15 59	16 9	15 48	25 31		n.a.
S 24	21 36	21 23	1 21	24 22	1 15	20 25	1 27	15 23	0 58	8 51	1 17	17 52	1 26	22 3	0 4	18 14	1 28	12 4	15 59	16 9	15 49	25 29		n.a.
M25	21 26	16 3	0s 2	24 17	1 22	20 6	1 27	15 9	0 58	8 47	1 17	17 52	1 26	22 4	0 4	18 14	1 28	12 3	15 58	16 9	15 50	25 28		n.a.
T 26	21 15	9 52	1 22	24 9	1 28	19 46	1 27	14 56	0 57	8 42	1 17	17 52	1 26	22 4	0 4	18 14	1 28	12 2	15 58	16 9	15 51	25 26		n.a.
W27	21 4	3 19	2 35	23 58	1 33	19 26	1 27	14 43	0 57	8 38	1 17	17 51	1 26	22 4	0 4	18 14	1 28	12 1	15 57	16 9	15 52	25 25		n.a.
T 28	20 52	3s10	3 37	23 45	1 38	19 6	1 27	14 29	0 56	8 34	1 17	17 51	1 26	22 5	0 4	18 14	1 28	12 0	15 57	16 8	15 53	25 23		n.a.
F 29	20 41	9 18	4 25	23 29	1 41	18 45	1 27	14 15	0 56	8 29	1 17	17 51	1 25	22 5	0 4	18 14	1 28	11 59	15 56	16 8	15 54	25 21		n.a.
S 30	20 28	14 51	4 57	23 11	1 44	18 23	1 27	14 1	0 55	8 25	1 16	17 51	1 25	22 6	0 4	18 14	1 28	11 58	15 56	16 8	15 55	25 20		n.a.
S 31	20n16	19s36	5s14	22n50	1n46	18n 1	1n27	13n47	0n55	8n20	1n16	17s52	1n25	22n 6	0n 4	18s13	1n28	11n57	15n55	16s 8	15s56	25s18		n.a.

Julian Day Number = 1543727.5, Delta T = 04h35m49s
Ecliptic obliquity = 23°45'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'30, Lahiri = -10°40'30 Julian Calendar 1 July 487 BCE == Greg. Calendar 26 June 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

AUGUST 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 13 53	1♌41'10	21♏20	28♋35	15♌56	26♌54	12♍ 9	24°R51	8♊44	26°R34	6♎31	16°R23	17♒ 0	16♉42	n.a.	M 1
T 2	20 17 50	2°39'20	3♐31	0♌32	17°10	27°33	12°20	24♏50	8°46	26♏34	6°33	16♒21	16°56	16°49	n.a.	T 2
W 3	20 21 46	3°37'32	15°32	2°28	18°25	28°13	12°32	24°50	8°49	26°34	6°34	16°20	16°53	16°56	n.a.	W 3
T 4	20 25 43	4°35'46	27°25	4°24	19°39	28°52	12°43	24°50	8°51	26°33	6°36	16°18	16°50	17° 2	n.a.	T 4
F 5	20 29 39	5°34'01	9♉15	6°18	20°53	29°31	12°55	24°50	8°53	26°33	6°37	16°16	16°47	17° 9	n.a.	F 5
S 6	20 33 36	6°32'19	21° 4	8°12	22° 8	0♍11	13° 6	24°D50	8°56	26°33	6°38	16°15	16°44	17°16	n.a.	S 6
S 7	20 37 32	7°30'38	2♒55	10° 4	23°22	0°50	13°18	24°50	8°58	26°32	6°40	16°14	16°41	17°22	n.a.	S 7
M 8	20 41 29	8°28'59	14°49	11°56	24°36	1°30	13°30	24°50	9° 0	26°32	6°41	16°D14	16°37	17°29	n.a.	M 8
T 9	20 45 25	9°27'22	26°49	13°46	25°51	2°10	13°42	24°50	9° 2	26°32	6°43	16°14	16°34	17°36	n.a.	T 9
W10	20 49 22	10°25'46	8♓57	15°35	27° 5	2°49	13°54	24°50	9° 5	26°32	6°44	16°14	16°31	17°42	n.a.	W10
T 11	20 53 18	11°24'13	21°15	17°23	28°19	3°29	14° 5	24°51	9° 7	26°31	6°46	16°15	16°28	17°49	n.a.	T 11
F 12	20 57 15	12°22'43	3♈46	19°10	29°33	4° 9	14°17	24°51	9° 9	26°31	6°48	16°15	16°25	17°56	n.a.	F 12
S 13	21 1 12	13°21'14	16°31	20°56	0♍48	4°48	14°30	24°52	9°11	26°31	6°49	16°16	16°21	18° 2	n.a.	S 13
S 14	21 5 8	14°19'48	29°33	22°41	2° 2	5°28	14°42	24°53	9°13	26°31	6°51	16°16	16°18	18° 9	n.a.	S 14
M15	21 9 5	15°18'24	12♉56	24°25	3°16	6° 8	14°54	24°54	9°15	26°D31	6°53	16°R16	16°15	18°15	n.a.	M15
T 16	21 13 1	16°17'03	26°39	26° 8	4°31	6°48	15° 6	24°55	9°17	26°31	6°54	16°D16	16°12	18°22	n.a.	T 16
W17	21 16 58	17°15'44	10♊45	27°49	5°45	7°28	15°18	24°56	9°18	26°31	6°56	16°16	16° 9	18°29	n.a.	W17
T 18	21 20 54	18°14'27	25°11	29°30	6°59	8° 8	15°31	24°57	9°20	26°31	6°58	16°16	16° 6	18°35	n.a.	T 18
F 19	21 24 51	19°13'13	9♋54	1♍10	8°14	8°48	15°43	24°58	9°22	26°32	7° 0	16°16	16° 2	18°42	n.a.	F 19
S 20	21 28 47	20°12'01	24°49	2°48	9°28	9°29	15°55	25° 0	9°24	26°32	7° 1	16°17	15°59	18°49	n.a.	S 20
S 21	21 32 44	21°10'51	9♌49	4°26	10°42	10° 9	16° 8	25° 1	9°25	26°32	7° 3	16°R17	15°56	18°55	n.a.	S 21
M22	21 36 41	22° 9'44	24°46	6° 3	11°57	10°49	16°20	25° 2	9°27	26°32	7° 5	16°17	15°53	19° 2	n.a.	M22
T 23	21 40 37	23° 8'38	9♍30	7°38	13°11	11°29	16°33	25° 4	9°29	26°32	7° 7	16°16	15°50	19° 9	n.a.	T 23
W24	21 44 34	24° 7'34	23°56	9°13	14°25	12°10	16°45	25° 6	9°30	26°33	7° 9	16°16	15°47	19°15	n.a.	W24
T 25	21 48 30	25° 6'33	7♎58	10°47	15°39	12°50	16°58	25° 8	9°32	26°33	7°11	16°15	15°43	19°22	n.a.	T 25
F 26	21 52 27	26° 5'33	21°35	12°20	16°54	13°31	17°11	25°10	9°33	26°33	7°13	16°14	15°40	19°29	n.a.	F 26
S 27	21 56 23	27° 4'35	4♏46	13°52	18° 8	14°11	17°23	25°12	9°34	26°34	7°15	16°13	15°37	19°35	n.a.	S 27
S 28	22 0 20	28° 3'40	17°32	15°23	19°22	14°52	17°36	25°14	9°36	26°34	7°17	16°12	15°34	19°42	n.a.	S 28
M29	22 4 16	29° 2'46	29°59	16°53	20°37	15°33	17°49	25°16	9°37	26°35	7°19	16°D12	15°31	19°49	n.a.	M29
T 30	22 8 13	0♍ 1'54	12♐ 9	18°23	21°51	16°13	18° 1	25°18	9°38	26°35	7°21	16°12	15°27	19°55	n.a.	T 30
W31	22 12 10	1♍ 1'04	24♐ 7	19♍51	23♍ 5	16♍54	18♍14	25♏21	9♊39	26♏36	7♎23	16♒13	15♒24	20♉ 2	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	20n 3	23s24	5s15	22n28	1n47	17n38	1n26	13n33	0n54	8n16	1n16	17s52	1n25	22n 7	0n 4	18s13	1n28	11n56	15n55	16s 8	15s57	25s17			n.a.
T 2	19 50	26 5	5 2	22 3	1 48	17 15	1 26	13 19	0 54	8 11	1 16	17 52	1 25	22 7	0 4	18 13	1 28	11 55	15 54	16 9	15 58	25 15			n.a.
W 3	19 36	27 32	4 36	21 37	1 48	16 52	1 25	13 5	0 53	8 7	1 16	17 52	1 24	22 7	0 4	18 13	1 28	11 54	15 54	16 9	15 59	25 13			n.a.
T 4	19 22	27 42	3 59	21 9	1 47	16 28	1 25	12 51	0 53	8 2	1 16	17 52	1 24	22 8	0 4	18 13	1 28	11 53	15 53	16 10	16 0	25 12			n.a.
F 5	19 8	26 36	3 11	20 39	1 46	16 3	1 24	12 36	0 52	7 58	1 16	17 52	1 24	22 8	0 4	18 13	1 28	11 52	15 53	16 10	16 1	25 10			n.a.
S 6	18 53	24 18	2 15	20 8	1 44	15 38	1 24	12 22	0 52	7 53	1 16	17 52	1 24	22 9	0 4	18 13	1 28	11 51	15 52	16 11	16 2	25 8			n.a.
S 7	18 38	20 57	1 13	19 35	1 42	15 13	1 23	12 7	0 51	7 48	1 15	17 53	1 23	22 9	0 4	18 13	1 27	11 50	15 52	16 11	16 3	25 7			n.a.
M 8	18 23	16 44	0 8	19 1	1 39	14 47	1 22	11 52	0 51	7 44	1 15	17 53	1 23	22 9	0 4	18 13	1 27	11 49	15 51	16 11	16 4	25 5			n.a.
T 9	18 7	11 49	0n58	18 26	1 36	14 21	1 22	11 38	0 50	7 39	1 15	17 53	1 23	22 10	0 4	18 13	1 27	11 48	15 51	16 11	16 5	25 3			n.a.
W10	17 51	6 25	2 3	17 50	1 32	13 54	1 21	11 23	0 50	7 34	1 15	17 53	1 23	22 10	0 4	18 13	1 27	11 47	15 50	16 11	16 6	25 2			n.a.
T 11	17 35	0 43	3 3	17 13	1 28	13 27	1 20	11 8	0 49	7 29	1 15	17 54	1 23	22 10	0 4	18 13	1 27	11 46	15 50	16 11	16 7	25 0			n.a.
F 12	17 19	5n 5	3 54	16 36	1 24	13 0	1 19	10 52	0 49	7 25	1 15	17 54	1 22	22 11	0 4	18 13	1 27	11 45	15 49	16 10	16 8	24 58			n.a.
S 13	17 2	10 48	4 36	15 57	1 19	12 33	1 18	10 37	0 48	7 20	1 15	17 54	1 22	22 11	0 4	18 13	1 27	11 44	15 49	16 10	16 9	24 57			n.a.
S 14	16 45	16 11	5 4	15 18	1 14	12 5	1 16	10 22	0 48	7 15	1 15	17 55	1 22	22 11	0 4	18 13	1 27	11 43	15 48	16 10	16 10	24 55			n.a.
M15	16 28	20 57	5 17	14 38	1 9	11 36	1 15	10 7	0 47	7 10	1 15	17 55	1 22	22 12	0 4	18 13	1 27	11 42	15 48	16 10	16 10	24 53			n.a.
T 16	16 10	24 43	5 12	13 58	1 3	11 8	1 14	9 51	0 47	7 5	1 14	17 56	1 22	22 12	0 4	18 13	1 27	11 41	15 47	16 10	16 11	24 52			n.a.
W17	15 52	27 7	4 49	13 17	0 57	10 39	1 13	9 36	0 46	7 0	1 14	17 56	1 21	22 12	0 4	18 14	1 27	11 40	15 47	16 10	16 12	24 50			n.a.
T 18	15 34	27 47	4 7	12 36	0 51	10 10	1 11	9 20	0 46	6 55	1 14	17 57	1 21	22 12	0 4	18 14	1 27	11 39	15 46	16 10	16 13	24 48			n.a.
F 19	15 15	26 31	3 9	11 55	0 45	9 40	1 10	9 4	0 45	6 51	1 14	17 57	1 21	22 13	0 4	18 14	1 27	11 37	15 46	16 10	16 14	24 47			n.a.
S 20	14 57	23 21	1 56	11 13	0 39	9 10	1 8	8 48	0 45	6 46	1 14	17 58	1 21	22 13	0 4	18 14	1 27	11 36	15 46	16 10	16 15	24 45			n.a.
S 21	14 38	18 36	0 36	10 31	0 32	8 40	1 7	8 33	0 44	6 41	1 14	17 58	1 21	22 13	0 4	18 14	1 27	11 35	15 45	16 10	16 16	24 43			n.a.
M22	14 18	12 42	0s47	9 49	0 26	8 10	1 5	8 17	0 44	6 36	1 14	17 59	1 20	22 14	0 4	18 14	1 27	11 34	15 45	16 10	16 17	24 41			n.a.
T 23	13 59	6 11	2 5	9 6	0 19	7 40	1 3	8 1	0 43	6 31	1 14	17 59	1 20	22 14	0 4	18 14	1 27	11 33	15 44	16 10	16 18	24 40			n.a.
W24	13 39	0s32	3 14	8 24	0 12	7 9	1 2	7 44	0 42	6 26	1 14	18 0	1 20	22 14	0 4	18 14	1 27	11 32	15 44	16 10	16 19	24 38			n.a.
T 25	13 19	7 1	4 9	7 42	0 5	6 39	1 0	7 28	0 42	6 21	1 14	18 1	1 20	22 14	0 4	18 14	1 26	11 31	15 44	16 11	16 20	24 36			n.a.
F 26	12 59	12 58	4 48	6 59	0s 2	6 8	0 58	7 12	0 41	6 15	1 14	18 1	1 20	22 15	0 4	18 15	1 26	11 30	15 43	16 11	16 21	24 34			n.a.
S 27	12 39	18 8	5 11	6 17	0 9	5 36	0 56	6 56	0 41	6 10	1 14	18 2	1 19	22 15	0 4	18 15	1 26	11 29	15 43	16 11	16 22	24 33			n.a.
S 28	12 18	22 21	5 17	5 35	0 17	5 5	0 54	6 39	0 40	6 5	1 13	18 3	1 19	22 15	0 4	18 15	1 26	11 27	15 42	16 11	16 23	24 31			n.a.
M29	11 57	25 25	5 8	4 53	0 24	4 34	0 52	6 23	0 40	6 0	1 13	18 3	1 19	22 15	0 4	18 15	1 26	11 26	15 42	16 12	16 24	24 29			n.a.
T 30	11 37	27 15	4 45	4 11	0 31	4 2	0 50	6 6	0 39	5 55	1 13	18 4	1 19	22 15	0 4	18 15	1 26	11 25	15 42	16 11	16 25	24 27			n.a.
W31	11n15	27s47	4s10	3n29	0s39	3n31	0n48	5n50	0n39	5n50	1n13	18s 5	1n19	22n16	0n 4	18s15	1n26	11n24	15n41	16s11	16s26	24s25			n.a.

Julian Day Number = 1543758.5, Delta T = 04h35m47s
Ecliptic obliquity = 23°45'21, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'26, Lahiri = -10°40'26 Julian Calendar 1 Aug. 487 BCE == Greg. Calendar 27 July 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

SEPTEMBER 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 16 6	2♍ 0'15	5♉58	21♍18	24♍19	17♍35	18♍27	25♏23	9♊40	26♏36	7♎25	16♒14	15♒21	20♉ 9	n.a.	T 1
F 2	22 20 3	2°59'29	17°47	22°45	25°34	18°16	18°40	25°26	9°42	26°37	7°27	16°16	15°18	20°15	n.a.	F 2
S 3	22 23 59	3°58'45	29°37	24°11	26°48	18°57	18°53	25°28	9°43	26°37	7°29	16°17	15°15	20°22	n.a.	S 3
S 4	22 27 56	4°58'03	11♒31	25°35	28° 2	19°37	19° 6	25°31	9°44	26°38	7°31	16°R18	15°12	20°29	n.a.	S 4
M 5	22 31 52	5°57'23	23°34	26°59	29°16	20°18	19°19	25°34	9°44	26°39	7°33	16°18	15° 8	20°35	n.a.	M 5
T 6	22 35 49	6°56'44	5♓45	28°21	0♎30	21° 0	19°32	25°37	9°45	26°39	7°35	16°16	15° 5	20°42	n.a.	T 6
W 7	22 39 45	7°56'08	18° 8	29°43	1°45	21°41	19°45	25°40	9°46	26°40	7°38	16°14	15° 2	20°49	n.a.	W 7
T 8	22 43 42	8°55'34	0♈44	1♎ 3	2°59	22°22	19°58	25°43	9°47	26°41	7°40	16°11	14°59	20°55	n.a.	T 8
F 9	22 47 38	9°55'03	13°32	2°23	4°13	23° 3	20°11	25°46	9°48	26°42	7°42	16° 7	14°56	21° 2	n.a.	F 9
S 10	22 51 35	10°54'34	26°34	3°41	5°27	23°44	20°24	25°49	9°48	26°43	7°44	16° 4	14°52	21° 9	n.a.	S 10
S 11	22 55 32	11°54'07	9♉49	4°57	6°41	24°26	20°37	25°53	9°49	26°43	7°46	16° 0	14°49	21°15	n.a.	S 11
M12	22 59 28	12°53'42	23°18	6°13	7°55	25° 7	20°50	25°56	9°49	26°44	7°49	15°58	14°46	21°22	n.a.	M12
T 13	23 3 25	13°53'20	7♊ 1	7°27	9°10	25°48	21° 3	26° 0	9°50	26°45	7°51	15°56	14°43	21°29	n.a.	T 13
W14	23 7 21	14°53'01	20°58	8°39	10°24	26°30	21°16	26° 3	9°50	26°46	7°53	15°D56	14°40	21°35	n.a.	W14
T 15	23 11 18	15°52'44	5♋ 8	9°50	11°38	27°11	21°29	26° 7	9°51	26°47	7°56	15°57	14°37	21°42	n.a.	T 15
F 16	23 15 14	16°52'29	19°30	10°58	12°52	27°53	21°42	26°11	9°51	26°48	7°58	15°59	14°33	21°49	n.a.	F 16
S 17	23 19 11	17°52'17	4♌ 0	12° 5	14° 6	28°35	21°55	26°15	9°51	26°49	8° 0	16° 0	14°30	21°55	n.a.	S 17
S 18	23 23 7	18°52'07	18°36	13° 9	15°20	29°16	22° 9	26°18	9°51	26°50	8° 3	16°R 0	14°27	22° 2	n.a.	S 18
M19	23 27 4	19°51'59	3♍12	14°11	16°34	29°58	22°22	26°22	9°52	26°52	8° 5	15°59	14°24	22° 9	n.a.	M19
T 20	23 31 1	20°51'53	17°41	15°10	17°48	0♎40	22°35	26°27	9°52	26°53	8° 7	15°56	14°21	22°15	n.a.	T 20
W21	23 34 57	21°51'50	1♎57	16° 7	19° 2	1°22	22°48	26°31	9°R52	26°54	8°10	15°52	14°18	22°22	n.a.	W21
T 22	23 38 54	22°51'48	15°56	17° 0	20°16	2° 4	23° 1	26°35	9°52	26°55	8°12	15°46	14°14	22°29	n.a.	T 22
F 23	23 42 50	23°51'48	29°32	17°49	21°30	2°46	23°14	26°39	9°52	26°56	8°14	15°40	14°11	22°35	n.a.	F 23
S 24	23 46 47	24°51'51	12♏45	18°34	22°44	3°28	23°28	26°44	9°52	26°58	8°17	15°33	14° 8	22°42	n.a.	S 24
S 25	23 50 43	25°51'55	25°35	19°15	23°58	4°10	23°41	26°48	9°51	26°59	8°19	15°28	14° 5	22°49	n.a.	S 25
M26	23 54 40	26°52'00	8♐ 4	19°51	25°12	4°52	23°54	26°53	9°51	27° 0	8°21	15°24	14° 2	22°55	n.a.	M26
T 27	23 58 36	27°52'08	20°15	20°21	26°26	5°34	24° 7	26°57	9°51	27° 2	8°24	15°22	13°58	23° 2	n.a.	T 27
W28	0 2 33	28°52'17	2♑14	20°45	27°40	6°16	24°20	27° 2	9°51	27° 3	8°26	15°D22	13°55	23° 8	n.a.	W28
T 29	0 6 30	29°52'28	14° 5	21° 3	28°54	6°59	24°33	27° 7	9°50	27° 4	8°29	15°23	13°52	23°15	n.a.	T 29
F 30	0 10 26	0♎52'41	25♑53	21♎13	0♏ 8	7♎41	24♍47	27♏12	9♊50	27♏ 6	8♎31	15♒25	13♒49	23♉22	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n54	27s 2	3s25	2n47	0s46	2n59	0n46	5n33	0n38	5n45	1n13	18s 6	1n18	22n16	0n 4	18s16	1n26	11n23	15n41	16s11	16s27	24s24		n.a.
F 2	10 32	25 3	2 31	2 6	0 54	2 27	0 43	5 17	0 38	5 40	1 13	18 6	1 18	22 16	0 4	18 16	1 26	11 22	15 41	16 10	16 28	24 22		n.a.
S 3	10 11	21 59	1 31	1 25	1 1	1 55	0 41	5 0	0 37	5 34	1 13	18 7	1 18	22 16	0 4	18 16	1 26	11 21	15 40	16 10	16 29	24 20		n.a.
S 4	9 49	17 59	0 26	0 44	1 8	1 23	0 39	4 43	0 37	5 29	1 13	18 8	1 18	22 16	0 4	18 16	1 26	11 20	15 40	16 10	16 30	24 18		n.a.
M 5	9 27	13 13	0n40	0 4	1 16	0 51	0 37	4 26	0 36	5 24	1 13	18 9	1 18	22 16	0 4	18 16	1 26	11 18	15 40	16 10	16 31	24 16		n.a.
T 6	9 5	7 54	1 45	0s36	1 23	0 19	0 34	4 9	0 35	5 19	1 13	18 10	1 17	22 17	0 4	18 17	1 26	11 17	15 39	16 10	16 31	24 14		n.a.
W 7	8 42	2 12	2 47	1 16	1 30	0s13	0 32	3 53	0 35	5 14	1 13	18 11	1 17	22 17	0 4	18 17	1 26	11 16	15 39	16 11	16 32	24 13		n.a.
T 8	8 20	3n40	3 41	1 54	1 37	0 45	0 29	3 36	0 34	5 8	1 13	18 12	1 17	22 17	0 4	18 17	1 26	11 15	15 39	16 12	16 33	24 11		n.a.
F 9	7 57	9 28	4 25	2 33	1 44	1 17	0 27	3 19	0 34	5 3	1 13	18 13	1 17	22 17	0 4	18 17	1 26	11 14	15 39	16 13	16 34	24 9		n.a.
S 10	7 34	14 58	4 56	3 11	1 51	1 49	0 24	3 1	0 33	4 58	1 13	18 14	1 17	22 17	0 4	18 18	1 26	11 13	15 38	16 14	16 35	24 7		n.a.
S 11	7 11	19 52	5 12	3 48	1 58	2 21	0 22	2 44	0 33	4 53	1 13	18 15	1 17	22 17	0 4	18 18	1 25	11 12	15 38	16 15	16 36	24 5		n.a.
M12	6 48	23 51	5 11	4 24	2 4	2 53	0 19	2 27	0 32	4 48	1 13	18 16	1 16	22 17	0 4	18 18	1 25	11 11	15 38	16 16	16 37	24 3		n.a.
T 13	6 25	26 35	4 53	4 59	2 11	3 25	0 16	2 10	0 31	4 42	1 13	18 17	1 16	22 17	0 4	18 18	1 25	11 10	15 37	16 16	16 38	24 1		n.a.
W14	6 2	27 43	4 17	5 34	2 17	3 57	0 14	1 53	0 31	4 37	1 13	18 18	1 16	22 17	0 4	18 19	1 25	11 8	15 37	16 16	16 39	24 0		n.a.
T 15	5 38	27 5	3 25	6 8	2 23	4 29	0 11	1 36	0 30	4 32	1 13	18 19	1 16	22 17	0 4	18 19	1 25	11 7	15 37	16 16	16 40	23 58		n.a.
F 16	5 15	24 38	2 20	6 40	2 29	5 1	0 8	1 18	0 30	4 26	1 13	18 20	1 16	22 18	0 4	18 19	1 25	11 6	15 37	16 15	16 41	23 56		n.a.
S 17	4 51	20 34	1 5	7 12	2 34	5 33	0 6	1 1	0 29	4 21	1 13	18 21	1 15	22 18	0 4	18 19	1 25	11 5	15 37	16 15	16 42	23 54		n.a.
S 18	4 28	15 13	0s14	7 42	2 39	6 4	0 3	0 44	0 29	4 16	1 13	18 22	1 15	22 18	0 4	18 20	1 25	11 4	15 36	16 15	16 43	23 52		n.a.
M19	4 4	9 2	1 33	8 11	2 44	6 36	0 0	0 26	0 28	4 11	1 13	18 23	1 15	22 18	0 4	18 20	1 25	11 3	15 36	16 15	16 44	23 50		n.a.
T 20	3 40	2 25	2 44	8 38	2 49	7 7	0s 3	0 9	0 27	4 5	1 13	18 24	1 15	22 18	0 4	18 20	1 25	11 2	15 36	16 16	16 45	23 48		n.a.
W21	3 16	4s13	3 44	9 4	2 52	7 38	0 5	0s 8	0 27	4 0	1 13	18 25	1 15	22 18	0 4	18 21	1 25	11 1	15 36	16 17	16 46	23 46		n.a.
T 22	2 52	10 29	4 30	9 28	2 56	8 9	0 8	0 26	0 26	3 55	1 13	18 26	1 15	22 18	0 4	18 21	1 25	11 0	15 36	16 19	16 46	23 44		n.a.
F 23	2 28	16 6	4 58	9 50	2 59	8 40	0 11	0 43	0 26	3 50	1 13	18 28	1 14	22 18	0 4	18 21	1 25	10 58	15 35	16 21	16 47	23 42		n.a.
S 24	2 4	20 47	5 10	10 9	3 1	9 10	0 14	1 1	0 25	3 44	1 12	18 29	1 14	22 18	0 4	18 22	1 25	10 57	15 35	16 23	16 48	23 40		n.a.
S 25	1 40	24 21	5 6	10 26	3 2	9 41	0 17	1 18	0 24	3 39	1 12	18 30	1 14	22 18	0 4	18 22	1 25	10 56	15 35	16 25	16 49	23 39		n.a.
M26	1 16	26 39	4 47	10 41	3 3	10 11	0 20	1 36	0 24	3 34	1 12	18 31	1 14	22 18	0 4	18 22	1 25	10 55	15 35	16 26	16 50	23 37		n.a.
T 27	0 51	27 38	4 15	10 52	3 3	10 41	0 22	1 53	0 23	3 28	1 12	18 32	1 14	22 18	0 4	18 23	1 25	10 54	15 35	16 26	16 51	23 35		n.a.
W28	0 27	27 17	3 33	11 1	3 2	11 11	0 25	2 11	0 23	3 23	1 12	18 34	1 14	22 18	0 4	18 23	1 25	10 53	15 35	16 26	16 52	23 33		n.a.
T 29	0 3	25 41	2 42	11 5	3 0	11 40	0 28	2 28	0 22	3 18	1 12	18 35	1 13	22 18	0 4	18 24	1 25	10 52	15 35	16 26	16 53	23 31		n.a.
F 30	0s21	22s57	1s44	11s 6	2s56	12s 9	0s31	2s46	0n21	3n13	1n12	18s36	1n13	22n18	0n 4	18s24	1n25	10n51	15n34	16s26	16s54	23s29		n.a.

Julian Day Number = 1543789.5, Delta T = 04h35m46s
Ecliptic obliquity = 23°45'21, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'22, Lahiri = -10°40'21 Julian Calendar 1 Sept. 487 BCE == Greg. Calendar 27 Aug. 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

OCTOBER 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 14 23	1♎52'55	7♒44	21°R15	1♏22	8♎23	25♍ 0	27♏16	9°R49	27♏ 7	8♎34	15♒26	13♒46	23♉28	n.a.	S 1
S 2	0 18 19	2°53'11	19°42	21♎ 8	2°36	9° 6	25°13	27°21	9♊49	27° 9	8°36	15°R26	13°43	23°35	n.a.	S 2
M 3	0 22 16	3°53'29	1♓51	20°53	3°50	9°48	25°26	27°26	9°48	27°10	8°38	15°25	13°39	23°42	n.a.	M 3
T 4	0 26 12	4°53'48	14°15	20°28	5° 4	10°31	25°39	27°32	9°48	27°12	8°41	15°21	13°36	23°48	n.a.	T 4
W 5	0 30 9	5°54'09	26°54	19°53	6°17	11°13	25°52	27°37	9°47	27°13	8°43	15°15	13°33	23°55	n.a.	W 5
T 6	0 34 5	6°54'31	9♈50	19° 8	7°31	11°56	26° 5	27°42	9°46	27°15	8°46	15° 7	13°30	24° 2	n.a.	T 6
F 7	0 38 2	7°54'56	23° 2	18°14	8°45	12°39	26°18	27°47	9°45	27°17	8°48	14°57	13°27	24° 8	n.a.	F 7
S 8	0 41 58	8°55'22	6♉28	17°11	9°59	13°21	26°31	27°53	9°45	27°18	8°51	14°48	13°24	24°15	n.a.	S 8
S 9	0 45 55	9°55'51	20° 7	16° 1	11°12	14° 4	26°44	27°58	9°44	27°20	8°53	14°39	13°20	24°22	n.a.	S 9
M10	0 49 52	10°56'21	3♊54	14°45	12°26	14°47	26°57	28° 3	9°43	27°21	8°55	14°32	13°17	24°28	n.a.	M10
T 11	0 53 48	11°56'53	17°49	13°26	13°40	15°30	27°10	28° 9	9°42	27°23	8°58	14°27	13°14	24°35	n.a.	T 11
W12	0 57 45	12°57'28	1♋49	12° 6	14°54	16°13	27°23	28°14	9°41	27°25	9° 0	14°24	13°11	24°42	n.a.	W12
T 13	1 1 41	13°58'04	15°53	10°47	16° 7	16°56	27°36	28°20	9°40	27°27	9° 3	14°D23	13° 8	24°48	n.a.	T 13
F 14	1 5 38	14°58'42	0♌ 0	9°32	17°21	17°39	27°49	28°26	9°38	27°28	9° 5	14°24	13° 4	24°55	n.a.	F 14
S 15	1 9 34	15°59'22	14°10	8°24	18°34	18°22	28° 2	28°32	9°37	27°30	9° 8	14°R24	13° 1	25° 2	n.a.	S 15
S 16	1 13 31	17° 0'04	28°19	7°24	19°48	19° 5	28°15	28°37	9°36	27°32	9°10	14°24	12°58	25° 8	n.a.	S 16
M17	1 17 27	18° 0'47	12♍27	6°35	21° 2	19°49	28°28	28°43	9°35	27°34	9°13	14°21	12°55	25°15	n.a.	M17
T 18	1 21 24	19° 1'33	26°31	5°56	22°15	20°32	28°40	28°49	9°33	27°36	9°15	14°15	12°52	25°22	n.a.	T 18
W19	1 25 21	20° 2'19	10♎25	5°29	23°29	21°15	28°53	28°55	9°32	27°38	9°17	14° 6	12°49	25°28	n.a.	W19
T 20	1 29 17	21° 3'08	24° 7	5°14	24°42	21°59	29° 6	29° 1	9°30	27°40	9°20	13°55	12°45	25°35	n.a.	T 20
F 21	1 33 14	22° 3'58	7♏32	5°D11	25°56	22°42	29°19	29° 7	9°29	27°41	9°22	13°43	12°42	25°41	n.a.	F 21
S 22	1 37 10	23° 4'49	20°38	5°18	27° 9	23°26	29°31	29°13	9°27	27°43	9°25	13°31	12°39	25°48	n.a.	S 22
S 23	1 41 7	24° 5'41	3♐25	5°35	28°23	24° 9	29°44	29°19	9°26	27°45	9°27	13°20	12°36	25°55	n.a.	S 23
M24	1 45 3	25° 6'35	15°53	6° 2	29°36	24°53	29°56	29°26	9°24	27°47	9°29	13°11	12°33	26° 1	n.a.	M24
T 25	1 49 0	26° 7'30	28° 4	6°36	0♐49	25°36	0♎ 9	29°32	9°23	27°49	9°32	13° 5	12°29	26° 8	n.a.	T 25
W26	1 52 56	27° 8'25	10♑ 2	7°19	2° 3	26°20	0°21	29°38	9°21	27°51	9°34	13° 2	12°26	26°15	n.a.	W26
T 27	1 56 53	28° 9'22	21°53	8° 8	3°16	27° 4	0°34	29°44	9°19	27°53	9°36	13° 0	12°23	26°21	n.a.	T 27
F 28	2 0 50	29°10'20	3♒40	9° 3	4°29	27°48	0°46	29°51	9°17	27°55	9°39	13°D 0	12°20	26°28	n.a.	F 28
S 29	2 4 46	0♏11'18	15°31	10° 3	5°43	28°31	0°59	29°57	9°16	27°57	9°41	13°R 0	12°17	26°35	n.a.	S 29
S 30	2 8 43	1°12'17	27°30	11° 7	6°56	29°15	1°11	0♐ 4	9°14	27°59	9°43	12°59	12°14	26°41	n.a.	S 30
M31	2 12 39	2♏13'18	9♓42	12♎16	8♐ 9	29♎59	1♎23	0♐10	9♊12	28♏ 2	9♎46	12♒57	12♒10	26♉48	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	0s45	19s15	0s42	11s 2	2s52	12s38	0s34	3s 3	0n21	3n 7	1n13	18s38	1n13	22n17	0n 5	18s24	1n24	10n50	15n34	16s25	16s55	23s27		n.a.	S 1
S 2	1 10	14 44	0n23	10 54	2 45	13 7	0 37	3 20	0 20	3 2	1 13	18 39	1 13	22 17	0 5	18 25	1 24	10 49	15 34	16 25	16 56	23 25		n.a.	S 2
M 3	1 34	9 36	1 28	10 41	2 38	13 35	0 40	3 38	0 20	2 57	1 13	18 40	1 13	22 17	0 5	18 25	1 24	10 48	15 34	16 26	16 57	23 23		n.a.	M 3
T 4	1 58	4 0	2 29	10 22	2 28	14 3	0 42	3 55	0 19	2 51	1 13	18 41	1 13	22 17	0 5	18 25	1 24	10 47	15 34	16 27	16 58	23 21		n.a.	T 4
W 5	2 22	1n52	3 24	9 59	2 17	14 30	0 45	4 13	0 18	2 46	1 13	18 43	1 12	22 17	0 5	18 26	1 24	10 46	15 34	16 29	16 59	23 19		n.a.	W 5
T 6	2 47	7 46	4 10	9 29	2 4	14 58	0 48	4 30	0 18	2 41	1 13	18 44	1 12	22 17	0 5	18 26	1 24	10 45	15 34	16 31	16 59	23 17		n.a.	T 6
F 7	3 11	13 27	4 44	8 55	1 49	15 24	0 51	4 48	0 17	2 36	1 13	18 45	1 12	22 17	0 5	18 27	1 24	10 44	15 34	16 34	17 0	23 15		n.a.	F 7
S 8	3 35	18 36	5 2	8 15	1 32	15 51	0 54	5 5	0 17	2 31	1 13	18 47	1 12	22 17	0 5	18 27	1 24	10 43	15 34	16 37	17 1	23 13		n.a.	S 8
S 9	3 59	22 53	5 4	7 31	1 14	16 17	0 56	5 22	0 16	2 25	1 13	18 48	1 12	22 17	0 5	18 28	1 24	10 42	15 34	16 39	17 2	23 11		n.a.	S 9
M10	4 23	25 55	4 48	6 44	0 55	16 43	0 59	5 40	0 15	2 20	1 13	18 50	1 12	22 17	0 5	18 28	1 24	10 41	15 34	16 41	17 3	23 9		n.a.	M10
T 11	4 47	27 26	4 16	5 54	0 35	17 8	1 2	5 57	0 15	2 15	1 13	18 51	1 12	22 16	0 5	18 28	1 24	10 40	15 34	16 43	17 4	23 7		n.a.	T 11
W12	5 11	27 12	3 27	5 3	0 14	17 33	1 5	6 14	0 14	2 10	1 13	18 52	1 11	22 16	0 5	18 29	1 24	10 39	15 34	16 44	17 5	23 5		n.a.	W12
T 13	5 35	25 13	2 26	4 13	0n 7	17 57	1 7	6 32	0 14	2 5	1 13	18 54	1 11	22 16	0 5	18 29	1 24	10 38	15 34	16 44	17 6	23 3		n.a.	T 13
F 14	5 59	21 39	1 16	3 25	0 27	18 21	1 10	6 49	0 13	1 59	1 13	18 55	1 11	22 16	0 5	18 30	1 24	10 37	15 34	16 44	17 7	23 1		n.a.	F 14
S 15	6 22	16 49	0 1	2 40	0 46	18 45	1 13	7 6	0 12	1 54	1 13	18 57	1 11	22 16	0 5	18 30	1 24	10 36	15 34	16 44	17 8	22 59		n.a.	S 15
S 16	6 46	11 4	1s14	2 0	1 4	19 7	1 15	7 23	0 12	1 49	1 13	18 58	1 11	22 16	0 5	18 31	1 24	10 35	15 34	16 44	17 9	22 56		n.a.	S 16
M17	7 9	4 46	2 24	1 25	1 20	19 30	1 18	7 41	0 11	1 44	1 13	18 59	1 11	22 15	0 5	18 31	1 24	10 34	15 34	16 45	17 10	22 54		n.a.	M17
T 18	7 33	1s43	3 24	0 56	1 35	19 52	1 20	7 58	0 10	1 39	1 13	19 1	1 11	22 15	0 5	18 32	1 24	10 33	15 34	16 46	17 10	22 52		n.a.	T 18
W19	7 56	8 2	4 12	0 34	1 48	20 13	1 23	8 15	0 10	1 34	1 13	19 2	1 10	22 15	0 5	18 32	1 24	10 33	15 34	16 49	17 11	22 50		n.a.	W19
T 20	8 19	13 52	4 45	0 18	1 58	20 34	1 25	8 32	0 9	1 29	1 13	19 4	1 10	22 15	0 5	18 32	1 24	10 32	15 34	16 52	17 12	22 48		n.a.	T 20
F 21	8 42	18 56	5 0	0 8	2 7	20 55	1 28	8 49	0 9	1 24	1 13	19 5	1 10	22 15	0 5	18 33	1 24	10 31	15 34	16 56	17 13	22 46		n.a.	F 21
S 22	9 5	22 57	5 0	0 5	2 14	21 14	1 30	9 6	0 8	1 19	1 13	19 7	1 10	22 14	0 5	18 33	1 24	10 30	15 34	16 59	17 14	22 44		n.a.	S 22
S 23	9 28	25 45	4 44	0 7	2 20	21 33	1 32	9 22	0 7	1 14	1 13	19 8	1 10	22 14	0 5	18 34	1 24	10 29	15 34	17 2	17 15	22 42		n.a.	S 23
M24	9 51	27 13	4 15	0 14	2 23	21 52	1 34	9 39	0 7	1 9	1 13	19 10	1 10	22 14	0 5	18 34	1 24	10 28	15 34	17 5	17 16	22 40		n.a.	M24
T 25	10 13	27 19	3 35	0 26	2 26	22 10	1 37	9 56	0 6	1 4	1 13	19 11	1 10	22 14	0 5	18 35	1 24	10 27	15 34	17 7	17 17	22 38		n.a.	T 25
W26	10 35	26 7	2 46	0 42	2 27	22 27	1 39	10 13	0 5	0 59	1 13	19 12	1 10	22 14	0 5	18 35	1 23	10 27	15 35	17 8	17 18	22 36		n.a.	W26
T 27	10 57	23 45	1 50	1 1	2 27	22 44	1 41	10 29	0 5	0 54	1 14	19 14	1 9	22 13	0 5	18 36	1 23	10 26	15 35	17 8	17 19	22 33		n.a.	T 27
F 28	11 19	20 23	0 49	1 24	2 26	23 0	1 43	10 46	0 4	0 49	1 14	19 15	1 9	22 13	0 5	18 36	1 23	10 25	15 35	17 8	17 20	22 31		n.a.	F 28
S 29	11 41	16 11	0n13	1 50	2 24	23 16	1 45	11 2	0 3	0 44	1 14	19 17	1 9	22 13	0 5	18 37	1 23	10 24	15 35	17 8	17 20	22 29		n.a.	S 29
S 30	12 3	11 19	1 16	2 18	2 21	23 30	1 47	11 19	0 3	0 39	1 14	19 18	1 9	22 12	0 5	18 37	1 23	10 24	15 35	17 8	17 21	22 27		n.a.	S 30
M31	12s24	5s56	2n16	2s48	2n18	23s45	1s49	11s35	0n 2	0n34	1n14	19s20	1n 9	22n12	0n 5	18s38	1n23	10n23	15n35	17s 9	17s22	22s25		n.a.	M31

Julian Day Number = 1543819.5, Delta T = 04h35m45s
Ecliptic obliquity = 23°45'22, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'18, Lahiri = -10°40'17 Julian Calendar 1 Oct. 487 BCE == Greg. Calendar 26 Sept. 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

NOVEMBER 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 16 36	3♏14'19	22♓12	13♎27	9♐22	0♏43	1♎35	0♐16	9°R10	28♏ 4	9♎48	12°R51	12♒ 7	26♉55	n.a.	T 1
W 2	2 20 32	4°15'20	5♈ 3	14°42	10°35	1°27	1°47	0°23	9♊ 8	28° 6	9°50	12♒43	12° 4	27° 1	n.a.	W 2
T 3	2 24 29	5°16'23	18°16	15°59	11°48	2°11	1°59	0°30	9° 6	28° 8	9°52	12°32	12° 1	27° 8	n.a.	T 3
F 4	2 28 25	6°17'27	1♉50	17°18	13° 1	2°55	2°11	0°36	9° 4	28°10	9°55	12°20	11°58	27°15	n.a.	F 4
S 5	2 32 22	7°18'31	15°42	18°39	14°14	3°40	2°23	0°43	9° 2	28°12	9°57	12° 7	11°55	27°21	n.a.	S 5
S 6	2 36 19	8°19'37	29°48	20° 1	15°27	4°24	2°35	0°49	9° 0	28°14	9°59	11°54	11°51	27°28	n.a.	S 6
M 7	2 40 15	9°20'43	14♊ 4	21°25	16°40	5° 8	2°47	0°56	8°58	28°16	10° 1	11°44	11°48	27°35	n.a.	M 7
T 8	2 44 12	10°21'51	28°22	22°50	17°53	5°52	2°59	1° 3	8°56	28°19	10° 4	11°37	11°45	27°41	n.a.	T 8
W 9	2 48 8	11°23'00	12♋39	24°16	19° 5	6°37	3°11	1°10	8°53	28°21	10° 6	11°32	11°42	27°48	n.a.	W 9
T 10	2 52 5	12°24'09	26°52	25°43	20°18	7°21	3°22	1°16	8°51	28°23	10° 8	11°31	11°39	27°55	n.a.	T 10
F 11	2 56 1	13°25'20	10♌59	27°11	21°31	8° 6	3°34	1°23	8°49	28°25	10°10	11°30	11°35	28° 1	n.a.	F 11
S 12	2 59 58	14°26'31	24°58	28°39	22°43	8°50	3°45	1°30	8°47	28°27	10°12	11°30	11°32	28° 8	n.a.	S 12
S 13	3 3 55	15°27'44	8♍51	0♏ 8	23°56	9°35	3°57	1°37	8°44	28°30	10°14	11°29	11°29	28°14	n.a.	S 13
M14	3 7 51	16°28'57	22°36	1°37	25° 8	10°19	4° 8	1°44	8°42	28°32	10°16	11°25	11°26	28°21	n.a.	M14
T 15	3 11 48	17°30'11	6♎13	3° 7	26°21	11° 4	4°19	1°51	8°40	28°34	10°18	11°18	11°23	28°28	n.a.	T 15
W16	3 15 44	18°31'26	19°41	4°37	27°33	11°49	4°31	1°57	8°37	28°36	10°20	11° 8	11°20	28°34	n.a.	W16
T 17	3 19 41	19°32'41	2♏59	6° 8	28°45	12°33	4°42	2° 4	8°35	28°39	10°22	10°56	11°16	28°41	n.a.	T 17
F 18	3 23 37	20°33'57	16° 3	7°39	29°58	13°18	4°53	2°11	8°32	28°41	10°24	10°42	11°13	28°48	n.a.	F 18
S 19	3 27 34	21°35'13	28°54	9°10	1♑10	14° 3	5° 4	2°18	8°30	28°43	10°26	10°29	11°10	28°54	n.a.	S 19
S 20	3 31 30	22°36'30	11♐29	10°41	2°22	14°48	5°15	2°25	8°28	28°45	10°28	10°16	11° 7	29° 1	n.a.	S 20
M21	3 35 27	23°37'47	23°50	12°13	3°34	15°33	5°26	2°32	8°25	28°48	10°30	10° 5	11° 4	29° 8	n.a.	M21
T 22	3 39 24	24°39'04	5♑57	13°45	4°46	16°18	5°36	2°39	8°23	28°50	10°32	9°58	11° 1	29°14	n.a.	T 22
W23	3 43 20	25°40'21	17°53	15°17	5°58	17° 3	5°47	2°46	8°20	28°52	10°34	9°53	10°57	29°21	n.a.	W23
T 24	3 47 17	26°41'39	29°43	16°49	7°10	17°48	5°58	2°53	8°18	28°54	10°36	9°51	10°54	29°28	n.a.	T 24
F 25	3 51 13	27°42'55	11♒29	18°22	8°22	18°33	6° 8	3° 0	8°15	28°57	10°38	9°D50	10°51	29°34	n.a.	F 25
S 26	3 55 10	28°44'12	23°18	19°55	9°33	19°18	6°18	3° 7	8°12	28°59	10°40	9°R50	10°48	29°41	n.a.	S 26
S 27	3 59 6	29°45'29	5♓15	21°28	10°45	20° 3	6°29	3°14	8°10	29° 1	10°41	9°50	10°45	29°48	n.a.	S 27
M28	4 3 3	0♐46'45	17°26	23° 2	11°56	20°49	6°39	3°21	8° 7	29° 4	10°43	9°49	10°41	29°54	n.a.	M28
T 29	4 6 59	1°48'01	29°56	24°36	13° 8	21°34	6°49	3°28	8° 5	29° 6	10°45	9°45	10°38	0♒ 1	n.a.	T 29
W30	4 10 56	2♐49'17	12♈49	26♏10	14♑19	22♏19	6♎59	3♐35	8♊ 2	29♏ 8	10♎47	9♒39	10♒35	0♒ 7	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s45	0s12	3n12	3s19	2n14	23s58	1s50	11s51	0n 2	0n29	1n14	19s21	1n 9	22n12	0n 5	18s38	1n23	10n22	15n35	17s11	17s23	22s23		n.a.
W 2	13 6	5n40	3 59	3 53	2 10	24 11	1 52	12 7	0 1	0 25	1 14	19 23	1 9	22 12	0 5	18 39	1 23	10 21	15 36	17 13	17 24	22 21		n.a.
T 3	13 27	11 28	4 34	4 27	2 5	24 23	1 54	12 23	0 0	0 20	1 14	19 24	1 9	22 11	0 5	18 39	1 23	10 21	15 36	17 16	17 25	22 18		n.a.
F 4	13 48	16 52	4 55	5 3	1 59	24 34	1 55	12 39	0s 0	0 15	1 14	19 26	1 9	22 11	0 5	18 40	1 23	10 20	15 36	17 20	17 26	22 16		n.a.
S 5	14 8	21 31	5 0	5 39	1 54	24 45	1 57	12 55	0 1	0 10	1 14	19 27	1 8	22 11	0 5	18 40	1 23	10 19	15 36	17 23	17 27	22 14		n.a.
S 6	14 28	25 1	4 46	6 16	1 48	24 55	1 58	13 11	0 2	0 6	1 14	19 29	1 8	22 10	0 5	18 41	1 23	10 19	15 36	17 27	17 28	22 12		n.a.
M 7	14 48	27 0	4 14	6 54	1 42	25 4	2 0	13 26	0 2	0 1	1 14	19 30	1 8	22 10	0 5	18 41	1 23	10 18	15 37	17 30	17 29	22 10		n.a.
T 8	15 7	27 11	3 27	7 32	1 35	25 12	2 1	13 42	0 3	0s 4	1 15	19 32	1 8	22 10	0 5	18 42	1 23	10 17	15 37	17 32	17 29	22 8		n.a.
W 9	15 27	25 34	2 26	8 10	1 28	25 20	2 2	13 58	0 4	0 8	1 15	19 33	1 8	22 9	0 5	18 42	1 23	10 17	15 37	17 33	17 30	22 5		n.a.
T 10	15 46	22 19	1 17	8 48	1 22	25 27	2 3	14 13	0 4	0 13	1 15	19 35	1 8	22 9	0 5	18 43	1 23	10 16	15 37	17 33	17 31	22 3		n.a.
F 11	16 5	17 45	0 3	9 26	1 15	25 33	2 4	14 28	0 5	0 18	1 15	19 36	1 8	22 9	0 5	18 43	1 23	10 15	15 38	17 34	17 32	22 1		n.a.
S 12	16 23	12 16	1s11	10 5	1 8	25 38	2 5	14 43	0 6	0 22	1 15	19 38	1 8	22 8	0 5	18 44	1 23	10 15	15 38	17 34	17 33	21 59		n.a.
S 13	16 41	6 13	2 19	10 43	1 1	25 43	2 6	14 58	0 6	0 27	1 15	19 39	1 8	22 8	0 5	18 44	1 23	10 14	15 38	17 34	17 34	21 57		n.a.
M14	16 59	0s 4	3 19	11 21	0 54	25 47	2 7	15 13	0 7	0 31	1 15	19 41	1 8	22 8	0 5	18 45	1 23	10 14	15 38	17 35	17 35	21 54		n.a.
T 15	17 17	6 16	4 6	11 59	0 47	25 50	2 8	15 28	0 8	0 35	1 15	19 42	1 7	22 7	0 5	18 45	1 23	10 13	15 39	17 37	17 36	21 52		n.a.
W16	17 34	12 6	4 40	12 36	0 40	25 52	2 8	15 43	0 8	0 40	1 15	19 44	1 7	22 7	0 5	18 46	1 23	10 13	15 39	17 40	17 37	21 50		n.a.
T 17	17 51	17 18	4 57	13 14	0 33	25 54	2 9	15 57	0 9	0 44	1 16	19 45	1 7	22 7	0 5	18 46	1 23	10 12	15 39	17 43	17 37	21 48		n.a.
F 18	18 8	21 37	4 59	13 50	0 26	25 55	2 9	16 11	0 10	0 49	1 16	19 47	1 7	22 6	0 5	18 47	1 23	10 11	15 39	17 47	17 38	21 45		n.a.
S 19	18 24	24 48	4 45	14 27	0 18	25 55	2 10	16 26	0 10	0 53	1 16	19 48	1 7	22 6	0 5	18 47	1 23	10 11	15 40	17 51	17 39	21 43		n.a.
S 20	18 40	26 42	4 18	15 3	0 11	25 54	2 10	16 40	0 11	0 57	1 16	19 50	1 7	22 5	0 5	18 48	1 23	10 11	15 40	17 54	17 40	21 41		n.a.
M21	18 56	27 15	3 38	15 38	0 5	25 53	2 10	16 54	0 12	1 1	1 16	19 51	1 7	22 5	0 5	18 48	1 23	10 10	15 40	17 57	17 41	21 39		n.a.
T 22	19 11	26 26	2 49	16 13	0s 2	25 50	2 10	17 8	0 12	1 6	1 16	19 52	1 7	22 5	0 5	18 49	1 23	10 10	15 41	17 59	17 42	21 37		n.a.
W23	19 26	24 25	1 54	16 47	0 9	25 47	2 10	17 21	0 13	1 10	1 16	19 54	1 7	22 4	0 5	18 49	1 23	10 9	15 41	18 0	17 43	21 34		n.a.
T 24	19 40	21 21	0 54	17 20	0 16	25 43	2 10	17 35	0 14	1 14	1 16	19 55	1 7	22 4	0 5	18 50	1 23	10 9	15 41	18 1	17 44	21 32		n.a.
F 25	19 55	17 25	0n 9	17 53	0 22	25 39	2 10	17 48	0 14	1 18	1 17	19 57	1 7	22 4	0 5	18 50	1 23	10 8	15 42	18 1	17 44	21 30		n.a.
S 26	20 8	12 49	1 11	18 25	0 29	25 34	2 10	18 1	0 15	1 22	1 17	19 58	1 7	22 3	0 5	18 51	1 23	10 8	15 42	18 1	17 45	21 27		n.a.
S 27	20 22	7 41	2 11	18 56	0 35	25 28	2 9	18 14	0 15	1 26	1 17	20 0	1 6	22 3	0 5	18 51	1 23	10 8	15 42	18 1	17 46	21 25		n.a.
M28	20 35	2 11	3 6	19 27	0 41	25 21	2 9	18 27	0 16	1 30	1 17	20 1	1 6	22 2	0 5	18 52	1 23	10 7	15 43	18 1	17 47	21 23		n.a.
T 29	20 48	3n32	3 54	19 56	0 48	25 13	2 8	18 40	0 17	1 34	1 17	20 2	1 6	22 2	0 5	18 52	1 23	10 7	15 43	18 2	17 48	21 21		n.a.
W30	21s 0	9n17	4n31	20s25	0s54	25s 5	2s 7	18s52	0s17	1s37	1n17	20s 4	1n 6	22n 1	0n 5	18s53	1n23	10n 7	15n43	18s 4	17s49	21s18		n.a.

Julian Day Number = 1543850.5, Delta T = 04h35m44s
Ecliptic obliquity = 23°45'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'14, Lahiri = -10°40'13 Julian Calendar 1 Nov. 487 BCE == Greg. Calendar 27 Oct. 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 487 BCE
geocentric

DECEMBER 487 BCE (-486) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 14 53	3♐50'32	26♈ 7	27♏44	15♑30	23♏ 4	7♎ 9	3♐42	8°R 0	29♏10	10♎48	9°R31	10♒32	0♒14	n.a.	T 1
F 2	4 18 49	4°51'47	9♉53	29°19	16°42	23°50	7°18	3°49	7♊57	29°13	10°50	9♒20	10°29	0°21	n.a.	F 2
S 3	4 22 46	5°53'02	24° 2	0♐54	17°53	24°35	7°28	3°57	7°54	29°15	10°52	9° 9	10°26	0°27	n.a.	S 3
S 4	4 26 42	6°54'17	8♊31	2°30	19° 3	25°21	7°38	4° 4	7°52	29°17	10°53	8°59	10°22	0°34	n.a.	S 4
M 5	4 30 39	7°55'31	23°12	4° 5	20°14	26° 6	7°47	4°11	7°49	29°19	10°55	8°51	10°19	0°41	n.a.	M 5
T 6	4 34 35	8°56'45	7♋58	5°42	21°25	26°52	7°56	4°18	7°47	29°22	10°56	8°44	10°16	0°47	n.a.	T 6
W 7	4 38 32	9°57'59	22°42	7°18	22°35	27°37	8° 6	4°25	7°44	29°24	10°58	8°41	10°13	0°54	n.a.	W 7
T 8	4 42 29	10°59'13	7♌16	8°55	23°46	28°23	8°15	4°32	7°41	29°26	10°59	8°D40	10°10	1° 1	n.a.	T 8
F 9	4 46 25	12° 0'27	21°37	10°33	24°56	29° 8	8°24	4°39	7°39	29°28	11° 1	8°40	10° 7	1° 7	n.a.	F 9
S 10	4 50 22	13° 1'40	5♍43	12°11	26° 6	29°54	8°33	4°46	7°36	29°31	11° 2	8°41	10° 3	1°14	n.a.	S 10
S 11	4 54 18	14° 2'53	19°33	13°49	27°16	0♐40	8°41	4°53	7°34	29°33	11° 4	8°R41	10° 0	1°21	n.a.	S 11
M12	4 58 15	15° 4'06	3♎ 8	15°28	28°26	1°26	8°50	5° 0	7°31	29°35	11° 5	8°39	9°57	1°27	n.a.	M12
T 13	5 2 11	16° 5'19	16°28	17° 8	29°36	2°11	8°59	5° 7	7°29	29°37	11° 6	8°36	9°54	1°34	n.a.	T 13
W14	5 6 8	17° 6'31	29°36	18°47	0♒46	2°57	9° 7	5°14	7°26	29°39	11° 8	8°29	9°51	1°41	n.a.	W14
T 15	5 10 4	18° 7'43	12♏30	20°28	1°55	3°43	9°15	5°20	7°23	29°42	11° 9	8°21	9°47	1°47	n.a.	T 15
F 16	5 14 1	19° 8'55	25°13	22° 9	3° 5	4°29	9°23	5°27	7°21	29°44	11°10	8°12	9°44	1°54	n.a.	F 16
S 17	5 17 58	20°10'05	7♐44	23°50	4°14	5°15	9°32	5°34	7°18	29°46	11°11	8° 2	9°41	2° 1	n.a.	S 17
S 18	5 21 54	21°11'16	20° 4	25°32	5°23	6° 1	9°39	5°41	7°16	29°48	11°12	7°53	9°38	2° 7	n.a.	S 18
M19	5 25 51	22°12'25	2♑13	27°14	6°32	6°47	9°47	5°48	7°13	29°50	11°14	7°46	9°35	2°14	n.a.	M19
T 20	5 29 47	23°13'34	14°13	28°57	7°41	7°33	9°55	5°55	7°11	29°52	11°15	7°41	9°32	2°20	n.a.	T 20
W21	5 33 44	24°14'41	26° 5	0♑40	8°49	8°19	10° 2	6° 2	7° 9	29°55	11°16	7°38	9°28	2°27	n.a.	W21
T 22	5 37 40	25°15'47	7♒52	2°24	9°58	9° 5	10°10	6° 9	7° 6	29°57	11°17	7°D37	9°25	2°34	n.a.	T 22
F 23	5 41 37	26°16'53	19°38	4° 8	11° 6	9°51	10°17	6°15	7° 4	29°59	11°18	7°38	9°22	2°40	n.a.	F 23
S 24	5 45 34	27°17'57	1♓27	5°52	12°14	10°37	10°24	6°22	7° 1	0♐ 1	11°19	7°39	9°19	2°47	n.a.	S 24
S 25	5 49 30	28°18'59	13°23	7°36	13°22	11°24	10°31	6°29	6°59	0° 3	11°20	7°41	9°16	2°54	n.a.	S 25
M26	5 53 27	29°20'01	25°31	9°21	14°29	12°10	10°38	6°35	6°57	0° 5	11°21	7°R42	9°13	3° 0	n.a.	M26
T 27	5 57 23	0♑21'01	7♈57	11° 5	15°37	12°56	10°44	6°42	6°54	0° 7	11°22	7°42	9° 9	3° 7	n.a.	T 27
W28	6 1 20	1°21'59	20°45	12°49	16°44	13°42	10°51	6°49	6°52	0° 9	11°22	7°40	9° 6	3°14	n.a.	W28
T 29	6 5 16	2°22'56	3♉59	14°33	17°51	14°29	10°57	6°55	6°50	0°11	11°23	7°36	9° 3	3°20	n.a.	T 29
F 30	6 9 13	3°23'52	17°42	16°16	18°57	15°15	11° 3	7° 2	6°47	0°13	11°24	7°32	9° 0	3°27	n.a.	F 30
S 31	6 13 9	4♑24'47	1♊52	17♑58	20♒ 4	16♐ 1	11♎ 9	7♐ 8	6♊45	0♐15	11♎25	7♒27	8♒57	3♒34	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	21s12	14n47	4n55	20s53	0s59	24s56	2s 6	19s 5	0s18	1s41	1n18	20s 5	1n 6	22n 1	0n 5	18s53	1n23	10n 6	15n44	18s 6	17s50	21s16			n.a.
F 2	21 23	19 45	5 3	21 19	1 5	24 46	2 5	19 17	0 19	1 45	1 18	20 7	1 6	22 1	0 5	18 54	1 23	10 6	15 44	18 9	17 51	21 14			n.a.
S 3	21 34	23 45	4 53	21 45	1 10	24 36	2 4	19 29	0 19	1 49	1 18	20 8	1 6	22 0	0 5	18 54	1 23	10 6	15 45	18 12	17 51	21 11			n.a.
S 4	21 45	26 22	4 25	22 10	1 16	24 25	2 3	19 41	0 20	1 52	1 18	20 9	1 6	22 0	0 5	18 55	1 23	10 5	15 45	18 15	17 52	21 9			n.a.
M 5	21 55	27 12	3 38	22 34	1 21	24 13	2 2	19 52	0 21	1 56	1 18	20 11	1 6	21 59	0 5	18 55	1 23	10 5	15 45	18 17	17 53	21 7			n.a.
T 6	22 5	26 7	2 36	22 56	1 25	24 1	2 1	20 4	0 21	2 0	1 18	20 12	1 6	21 59	0 5	18 56	1 23	10 5	15 46	18 19	17 54	21 4			n.a.
W 7	22 14	23 12	1 24	23 18	1 30	23 47	1 59	20 15	0 22	2 3	1 18	20 14	1 6	21 59	0 5	18 56	1 23	10 5	15 46	18 20	17 55	21 2			n.a.
T 8	22 23	18 49	0 7	23 38	1 34	23 34	1 57	20 26	0 23	2 7	1 19	20 15	1 6	21 58	0 5	18 57	1 23	10 5	15 47	18 20	17 56	21 0			n.a.
F 9	22 32	13 24	1s 9	23 57	1 38	23 19	1 56	20 37	0 23	2 10	1 19	20 16	1 6	21 58	0 5	18 57	1 23	10 4	15 47	18 20	17 57	20 58			n.a.
S 10	22 40	7 22	2 20	24 14	1 42	23 4	1 54	20 47	0 24	2 13	1 19	20 18	1 6	21 57	0 5	18 58	1 23	10 4	15 48	18 20	17 58	20 55			n.a.
S 11	22 47	1 7	3 21	24 31	1 46	22 49	1 52	20 58	0 25	2 17	1 19	20 19	1 6	21 57	0 5	18 58	1 23	10 4	15 48	18 20	17 58	20 53			n.a.
M12	22 54	5s 5	4 10	24 46	1 49	22 32	1 50	21 8	0 25	2 20	1 19	20 20	1 6	21 57	0 5	18 59	1 23	10 4	15 48	18 20	17 59	20 50			n.a.
T 13	23 1	10 55	4 44	24 59	1 52	22 15	1 48	21 18	0 26	2 23	1 20	20 22	1 6	21 56	0 5	18 59	1 23	10 4	15 49	18 21	18 0	20 48			n.a.
W14	23 7	16 11	5 3	25 11	1 55	21 58	1 46	21 28	0 27	2 27	1 20	20 23	1 5	21 56	0 5	19 0	1 23	10 4	15 49	18 23	18 1	20 46			n.a.
T 15	23 13	20 38	5 6	25 21	1 57	21 40	1 43	21 37	0 27	2 30	1 20	20 24	1 5	21 55	0 5	19 0	1 23	10 4	15 50	18 25	18 2	20 43			n.a.
F 16	23 18	24 4	4 53	25 30	1 59	21 21	1 41	21 47	0 28	2 33	1 20	20 25	1 5	21 55	0 5	19 1	1 23	10 4	15 50	18 27	18 3	20 41			n.a.
S 17	23 23	26 17	4 27	25 37	2 1	21 2	1 38	21 56	0 29	2 36	1 20	20 27	1 5	21 54	0 5	19 1	1 23	10 4	15 51	18 30	18 4	20 39			n.a.
S 18	23 27	27 10	3 48	25 42	2 2	20 43	1 35	22 5	0 29	2 39	1 20	20 28	1 5	21 54	0 5	19 2	1 23	10 4	15 51	18 32	18 4	20 36			n.a.
M19	23 31	26 44	3 0	25 46	2 3	20 22	1 32	22 13	0 30	2 42	1 21	20 29	1 5	21 54	0 5	19 2	1 23	10 4	15 52	18 34	18 5	20 34			n.a.
T 20	23 35	25 2	2 3	25 48	2 3	20 2	1 29	22 22	0 31	2 44	1 21	20 30	1 5	21 53	0 5	19 3	1 23	10 4	15 52	18 36	18 6	20 32			n.a.
W21	23 38	22 14	1 2	25 48	2 3	19 41	1 26	22 30	0 31	2 47	1 21	20 32	1 5	21 53	0 5	19 3	1 23	10 4	15 53	18 36	18 7	20 29			n.a.
T 22	23 40	18 31	0n 1	25 46	2 2	19 19	1 23	22 38	0 32	2 50	1 21	20 33	1 5	21 52	0 5	19 3	1 23	10 4	15 53	18 36	18 8	20 27			n.a.
F 23	23 42	14 6	1 5	25 42	2 1	18 57	1 20	22 45	0 32	2 53	1 21	20 34	1 5	21 52	0 6	19 4	1 23	10 4	15 53	18 36	18 9	20 24			n.a.
S 24	23 44	9 8	2 6	25 36	1 59	18 34	1 16	22 53	0 33	2 55	1 22	20 35	1 5	21 52	0 6	19 4	1 23	10 4	15 54	18 36	18 10	20 22			n.a.
S 25	23 45	3 49	3 2	25 29	1 57	18 12	1 13	23 0	0 34	2 58	1 22	20 36	1 5	21 51	0 6	19 5	1 23	10 4	15 54	18 35	18 10	20 20			n.a.
M26	23 45	1n44	3 52	25 19	1 54	17 48	1 9	23 7	0 34	3 0	1 22	20 38	1 5	21 51	0 6	19 5	1 23	10 4	15 55	18 35	18 11	20 17			n.a.
T 27	23 45	7 20	4 31	25 7	1 50	17 24	1 5	23 14	0 35	3 3	1 22	20 39	1 5	21 50	0 6	19 6	1 23	10 4	15 55	18 35	18 12	20 15			n.a.
W28	23 45	12 48	4 59	24 53	1 46	17 0	1 2	23 20	0 36	3 5	1 22	20 40	1 5	21 50	0 6	19 6	1 23	10 4	15 56	18 36	18 13	20 12			n.a.
T 29	23 44	17 53	5 12	24 38	1 41	16 36	0 58	23 26	0 36	3 7	1 23	20 41	1 5	21 50	0 6	19 6	1 23	10 4	15 56	18 37	18 14	20 10			n.a.
F 30	23 43	22 14	5 7	24 20	1 36	16 11	0 53	23 32	0 37	3 10	1 23	20 42	1 5	21 49	0 6	19 7	1 23	10 5	15 57	18 38	18 15	20 8			n.a.
S 31	23s41	25n27	4n45	24s 1	1s29	15s46	0s49	23s38	0s38	3s12	1n23	20s43	1n 5	21n49	0n 6	19s 7	1n23	10n 5	15n57	18s39	18s16	20s 5			n.a.

Julian Day Number = 1543880.5, Delta T = 04h35m42s
Ecliptic obliquity = 23°45'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'09, Lahiri = -10°40'09 Julian Calendar 1 Dec. 487 BCE == Greg. Calendar 26 Nov. 487 BCE

The year -486 astronomical counting style corresponds to year 487 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

JANUARY 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 17 6	5♑25'39	16♊28	19♑39	21♒10	16♐48	11♎15	7♐15	6°R43	0♐17	11♎25	7°R22	8♒53	3♒40	n.a.	S 1
M 2	6 21 3	6°26'31	1♋22	21°18	22°16	17°34	11°21	7°21	6♊41	0°19	11°26	7♒17	8°50	3°47	n.a.	M 2
T 3	6 24 59	7°27'21	16°27	22°56	23°22	18°20	11°26	7°28	6°39	0°21	11°27	7°14	8°47	3°54	n.a.	T 3
W 4	6 28 56	8°28'10	1♌34	24°31	24°27	19° 7	11°32	7°34	6°37	0°23	11°27	7°D13	8°44	4° 0	n.a.	W 4
T 5	6 32 52	9°28'58	16°32	26° 4	25°32	19°53	11°37	7°41	6°34	0°24	11°28	7°13	8°41	4° 7	n.a.	T 5
F 6	6 36 49	10°29'44	1♍16	27°33	26°37	20°40	11°42	7°47	6°32	0°26	11°28	7°14	8°38	4°13	n.a.	F 6
S 7	6 40 45	11°30'29	15°40	28°57	27°42	21°26	11°47	7°53	6°30	0°28	11°29	7°16	8°34	4°20	n.a.	S 7
S 8	6 44 42	12°31'13	29°41	0♒18	28°46	22°13	11°52	7°59	6°28	0°30	11°29	7°17	8°31	4°27	n.a.	S 8
M 9	6 48 38	13°31'56	13♎20	1°33	29°50	22°59	11°56	8° 6	6°27	0°32	11°30	7°R18	8°28	4°33	n.a.	M 9
T 10	6 52 35	14°32'37	26°37	2°41	0♓53	23°46	12° 1	8°12	6°25	0°34	11°30	7°17	8°25	4°40	n.a.	T 10
W11	6 56 32	15°33'18	9♏34	3°43	1°57	24°33	12° 5	8°18	6°23	0°35	11°30	7°16	8°22	4°47	n.a.	W11
T 12	7 0 28	16°33'56	22°15	4°37	3° 0	25°19	12° 9	8°24	6°21	0°37	11°31	7°13	8°19	4°53	n.a.	T 12
F 13	7 4 25	17°34'34	4♐42	5°23	4° 2	26° 6	12°13	8°30	6°19	0°39	11°31	7°10	8°15	5° 0	n.a.	F 13
S 14	7 8 21	18°35'10	16°57	6° 0	5° 4	26°52	12°16	8°36	6°17	0°40	11°31	7° 7	8°12	5° 7	n.a.	S 14
S 15	7 12 18	19°35'45	29° 2	6°28	6° 6	27°39	12°20	8°42	6°16	0°42	11°31	7° 4	8° 9	5°13	n.a.	S 15
M16	7 16 14	20°36'18	11♑ 0	6°45	7° 8	28°26	12°23	8°48	6°14	0°44	11°31	7° 2	8° 6	5°20	n.a.	M16
T 17	7 20 11	21°36'49	22°52	6°R53	8° 9	29°12	12°26	8°53	6°12	0°45	11°31	7° 0	8° 3	5°27	n.a.	T 17
W18	7 24 7	22°37'19	4♒40	6°50	9° 9	29°59	12°29	8°59	6°11	0°47	11°32	7°D 0	7°59	5°33	n.a.	W18
T 19	7 28 4	23°37'46	16°27	6°37	10°10	0♑46	12°32	9° 5	6° 9	0°48	11°32	7° 0	7°56	5°40	n.a.	T 19
F 20	7 32 1	24°38'12	28°14	6°14	11° 9	1°33	12°35	9°11	6° 8	0°50	11°R32	7° 1	7°53	5°47	n.a.	F 20
S 21	7 35 57	25°38'36	10♓ 6	5°42	12° 9	2°19	12°37	9°16	6° 6	0°52	11°32	7° 2	7°50	5°53	n.a.	S 21
S 22	7 39 54	26°38'58	22° 5	5° 2	13° 8	3° 6	12°40	9°22	6° 5	0°53	11°31	7° 3	7°47	6° 0	n.a.	S 22
M23	7 43 50	27°39'17	4♈14	4°14	14° 6	3°53	12°42	9°27	6° 4	0°54	11°31	7° 4	7°44	6° 6	n.a.	M23
T 24	7 47 47	28°39'35	16°39	3°20	15° 4	4°40	12°44	9°33	6° 2	0°56	11°31	7° 4	7°40	6°13	n.a.	T 24
W25	7 51 43	29°39'50	29°23	2°21	16° 1	5°26	12°45	9°38	6° 1	0°57	11°31	7°R 5	7°37	6°20	n.a.	W25
T 26	7 55 40	0♒40'04	12♉29	1°19	16°58	6°13	12°47	9°43	6° 0	0°59	11°31	7° 5	7°34	6°26	n.a.	T 26
F 27	7 59 36	1°40'15	26° 2	0°15	17°54	7° 0	12°48	9°48	5°59	1° 0	11°31	7° 4	7°31	6°33	n.a.	F 27
S 28	8 3 33	2°40'24	10♊ 2	29♑11	18°50	7°47	12°49	9°54	5°58	1° 1	11°30	7° 4	7°28	6°40	n.a.	S 28
S 29	8 7 30	3°40'31	24°28	28° 9	19°44	8°34	12°50	9°59	5°57	1° 3	11°30	7° 3	7°25	6°46	n.a.	S 29
M30	8 11 26	4°40'35	9♋17	27° 9	20°39	9°21	12°51	10° 4	5°56	1° 4	11°30	7° 3	7°21	6°53	n.a.	M30
T 31	8 15 23	5♒40'38	24♋23	26♑14	21♓32	10♑ 7	12♎52	10♐ 9	5♊55	1♐ 5	11♎29	7♒ 3	7♒18	7♒ 0	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s39	27n 5	4n 3	23s39	1s22	15s20	0s45	23s43	0s38	3s14	1n23	20s44	1n 5	21n49	0n 6	19s 8	1n23	10n 5	15n58	18s40	18s16	20s 3		n.a.
M 2	23 36	26 49	3 4	23 16	1 14	14 55	0 40	23 49	0 39	3 16	1 24	20 46	1 5	21 48	0 6	19 8	1 23	10 5	15 58	18 42	18 17	20 0		n.a.
T 3	23 33	24 34	1 52	22 51	1 6	14 28	0 36	23 53	0 39	3 18	1 24	20 47	1 5	21 48	0 6	19 8	1 23	10 5	15 59	18 42	18 18	19 58		n.a.
W 4	23 29	20 35	0 31	22 25	0 56	14 2	0 31	23 58	0 40	3 20	1 24	20 48	1 5	21 47	0 6	19 9	1 23	10 6	15 59	18 43	18 19	19 55		n.a.
T 5	23 25	15 17	0s51	21 58	0 45	13 35	0 26	24 2	0 41	3 22	1 24	20 49	1 5	21 47	0 6	19 9	1 23	10 6	16 0	18 43	18 20	19 53		n.a.
F 6	23 20	9 10	2 8	21 29	0 34	13 9	0 22	24 6	0 41	3 24	1 24	20 50	1 5	21 47	0 6	19 9	1 23	10 6	16 0	18 42	18 21	19 50		n.a.
S 7	23 15	2 43	3 16	21 0	0 22	12 41	0 17	24 10	0 42	3 25	1 25	20 51	1 5	21 46	0 6	19 10	1 23	10 6	16 1	18 42	18 21	19 48		n.a.
S 8	23 9	3s41	4 10	20 30	0 9	12 14	0 11	24 14	0 42	3 27	1 25	20 52	1 5	21 46	0 6	19 10	1 23	10 7	16 1	18 42	18 22	19 45		n.a.
M 9	23 3	9 44	4 48	20 0	0n 5	11 47	0 6	24 17	0 43	3 29	1 25	20 53	1 5	21 46	0 6	19 11	1 23	10 7	16 2	18 41	18 23	19 43		n.a.
T 10	22 57	15 12	5 10	19 30	0 20	11 19	0 1	24 20	0 44	3 30	1 25	20 54	1 5	21 45	0 6	19 11	1 23	10 7	16 2	18 42	18 24	19 41		n.a.
W11	22 50	19 50	5 15	19 1	0 35	10 51	0n 5	24 23	0 44	3 32	1 26	20 55	1 5	21 45	0 6	19 11	1 23	10 8	16 3	18 42	18 25	19 38		n.a.
T 12	22 43	23 28	5 4	18 32	0 51	10 23	0 10	24 25	0 45	3 33	1 26	20 56	1 5	21 45	0 6	19 12	1 23	10 8	16 3	18 43	18 26	19 36		n.a.
F 13	22 35	25 56	4 40	18 5	1 7	9 55	0 16	24 27	0 45	3 34	1 26	20 57	1 5	21 45	0 6	19 12	1 23	10 8	16 4	18 43	18 26	19 33		n.a.
S 14	22 27	27 8	4 3	17 40	1 24	9 27	0 21	24 29	0 46	3 36	1 26	20 58	1 5	21 44	0 6	19 12	1 23	10 9	16 4	18 44	18 27	19 31		n.a.
S 15	22 18	27 0	3 15	17 17	1 40	8 58	0 27	24 31	0 47	3 37	1 26	20 59	1 5	21 44	0 6	19 13	1 23	10 9	16 5	18 45	18 28	19 28		n.a.
M16	22 9	25 36	2 19	16 56	1 57	8 30	0 33	24 32	0 47	3 38	1 27	21 0	1 5	21 44	0 6	19 13	1 23	10 10	16 5	18 46	18 29	19 26		n.a.
T 17	22 0	23 4	1 18	16 39	2 14	8 1	0 39	24 33	0 48	3 39	1 27	21 0	1 5	21 43	0 6	19 13	1 23	10 10	16 6	18 46	18 30	19 23		n.a.
W18	21 50	19 33	0 13	16 24	2 30	7 33	0 45	24 34	0 48	3 40	1 27	21 1	1 5	21 43	0 6	19 13	1 23	10 10	16 7	18 46	18 31	19 21		n.a.
T 19	21 39	15 17	0n52	16 12	2 45	7 4	0 52	24 34	0 49	3 41	1 27	21 2	1 5	21 43	0 6	19 14	1 23	10 11	16 7	18 46	18 31	19 18		n.a.
F 20	21 29	10 27	1 55	16 4	2 59	6 35	0 58	24 34	0 50	3 42	1 28	21 3	1 5	21 43	0 6	19 14	1 23	10 11	16 8	18 46	18 32	19 16		n.a.
S 21	21 18	5 12	2 54	15 59	3 12	6 6	1 4	24 34	0 50	3 42	1 28	21 4	1 5	21 42	0 6	19 14	1 23	10 12	16 8	18 46	18 33	19 13		n.a.
S 22	21 6	0n15	3 45	15 58	3 24	5 38	1 11	24 34	0 51	3 43	1 28	21 5	1 5	21 42	0 6	19 15	1 24	10 12	16 9	18 45	18 34	19 11		n.a.
M23	20 54	5 47	4 27	16 0	3 33	5 9	1 17	24 33	0 51	3 44	1 28	21 6	1 5	21 42	0 6	19 15	1 24	10 13	16 9	18 45	18 35	19 8		n.a.
T 24	20 42	11 12	4 58	16 5	3 41	4 40	1 24	24 32	0 52	3 44	1 29	21 6	1 5	21 42	0 6	19 15	1 24	10 13	16 10	18 45	18 36	19 6		n.a.
W25	20 29	16 18	5 15	16 13	3 47	4 12	1 31	24 31	0 52	3 45	1 29	21 7	1 5	21 41	0 6	19 15	1 24	10 14	16 10	18 45	18 36	19 3		n.a.
T 26	20 16	20 48	5 16	16 23	3 51	3 43	1 38	24 29	0 53	3 45	1 29	21 8	1 5	21 41	0 6	19 16	1 24	10 14	16 10	18 45	18 37	19 0		n.a.
F 27	20 3	24 23	5 1	16 35	3 52	3 14	1 45	24 27	0 53	3 45	1 29	21 9	1 5	21 41	0 6	19 16	1 24	10 15	16 11	18 45	18 38	18 58		n.a.
S 28	19 49	26 39	4 27	16 49	3 51	2 46	1 52	24 25	0 54	3 46	1 29	21 10	1 5	21 41	0 6	19 16	1 24	10 15	16 11	18 45	18 39	18 55		n.a.
S 29	19 35	27 14	3 35	17 5	3 48	2 18	1 59	24 23	0 55	3 46	1 30	21 10	1 5	21 41	0 6	19 16	1 24	10 16	16 12	18 45	18 40	18 53		n.a.
M30	19 21	25 54	2 28	17 21	3 43	1 50	2 6	24 20	0 55	3 46	1 30	21 11	1 5	21 40	0 6	19 17	1 24	10 17	16 12	18 45	18 41	18 50		n.a.
T 31	19s 6	22n40	1n10	17s38	3n37	1s22	2n13	24s17	0s56	3s46	1n30	21s12	1n 5	21n40	0n 6	19s17	1n24	10n17	16n13	18s45	18s41	18s48		n.a.

Julian Day Number = 1543911.5, Delta T = 04h35m41s
Ecliptic obliquity = 23°45'20, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'05, Lahiri = -10°40'05 Julian Calendar 1 Jan. 486 BCE == Greg. Calendar 27 Dec. 487 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

FEBRUARY 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 19 19	6♒40'38	9♌37	25°R23	22♓25	10♉54	12♎52	10♐14	5°R54	1♐ 6	11°R29	7°R 3	7♒15	7♒ 6	n.a.	W 1
T 2	8 23 16	7°40'36	24°49	24♉38	23°18	11°41	12°52	10°18	5♊53	1° 8	11♎28	7♒ 3	7°12	7°13	n.a.	T 2
F 3	8 27 12	8°40'32	9♍50	23°59	24° 9	12°28	12°R52	10°23	5°52	1° 9	11°28	7° 3	7° 9	7°20	n.a.	F 3
S 4	8 31 9	9°40'27	24°32	23°26	25° 0	13°15	12°52	10°28	5°51	1°10	11°27	7° 2	7° 5	7°26	n.a.	S 4
S 5	8 35 5	10°40'19	8♎50	23° 0	25°50	14° 2	12°52	10°33	5°51	1°11	11°27	7° 2	7° 2	7°33	n.a.	S 5
M 6	8 39 2	11°40'10	22°40	22°41	26°39	14°48	12°51	10°37	5°50	1°12	11°26	7° 2	6°59	7°39	n.a.	M 6
T 7	8 42 59	12°39'59	6♏ 4	22°28	27°27	15°35	12°51	10°42	5°49	1°13	11°26	7° 1	6°56	7°46	n.a.	T 7
W 8	8 46 55	13°39'46	19° 3	22°D22	28°15	16°22	12°50	10°46	5°49	1°14	11°25	7°D 1	6°53	7°53	n.a.	W 8
T 9	8 50 52	14°39'31	1♐41	22°22	29° 1	17° 9	12°49	10°50	5°48	1°15	11°24	7° 2	6°50	7°59	n.a.	T 9
F 10	8 54 48	15°39'15	14° 0	22°28	29°47	17°56	12°47	10°55	5°48	1°16	11°24	7° 2	6°46	8° 6	n.a.	F 10
S 11	8 58 45	16°38'57	26° 6	22°40	0♈32	18°43	12°46	10°59	5°47	1°17	11°23	7° 3	6°43	8°13	n.a.	S 11
S 12	9 2 41	17°38'37	8♉ 3	22°57	1°15	19°30	12°44	11° 3	5°47	1°18	11°22	7° 4	6°40	8°19	n.a.	S 12
M13	9 6 38	18°38'14	19°53	23°20	1°58	20°16	12°42	11° 7	5°47	1°18	11°21	7° 5	6°37	8°26	n.a.	M13
T 14	9 10 34	19°37'50	1♒40	23°47	2°39	21° 3	12°40	11°11	5°47	1°19	11°20	7°R 6	6°34	8°33	n.a.	T 14
W15	9 14 31	20°37'24	13°27	24°19	3°20	21°50	12°38	11°15	5°46	1°20	11°20	7° 6	6°31	8°39	n.a.	W15
T 16	9 18 28	21°36'55	25°15	24°55	3°59	22°37	12°36	11°19	5°46	1°21	11°19	7° 5	6°27	8°46	n.a.	T 16
F 17	9 22 24	22°36'25	7♓ 8	25°35	4°37	23°24	12°33	11°22	5°46	1°21	11°18	7° 4	6°24	8°53	n.a.	F 17
S 18	9 26 21	23°35'52	19° 7	26°19	5°14	24°11	12°30	11°26	5°D46	1°22	11°17	7° 1	6°21	8°59	n.a.	S 18
S 19	9 30 17	24°35'17	1♈15	27° 6	5°49	24°57	12°28	11°29	5°46	1°23	11°16	6°59	6°18	9° 6	n.a.	S 19
M20	9 34 14	25°34'39	13°33	27°57	6°23	25°44	12°24	11°33	5°46	1°23	11°15	6°56	6°15	9°13	n.a.	M20
T 21	9 38 10	26°33'59	26° 4	28°51	6°56	26°31	12°21	11°36	5°46	1°24	11°14	6°53	6°11	9°19	n.a.	T 21
W22	9 42 7	27°33'17	8♉50	29°48	7°27	27°18	12°18	11°40	5°47	1°24	11°13	6°51	6° 8	9°26	n.a.	W22
T 23	9 46 3	28°32'33	21°54	0♒48	7°56	28° 4	12°14	11°43	5°47	1°25	11°12	6°50	6° 5	9°32	n.a.	T 23
F 24	9 50 0	29°31'46	5♊19	1°50	8°24	28°51	12°10	11°46	5°47	1°25	11°11	6°D50	6° 2	9°39	n.a.	F 24
S 25	9 53 56	0♓30'56	19° 7	2°55	8°50	29°38	12° 6	11°49	5°48	1°26	11° 9	6°51	5°59	9°46	n.a.	S 25
S 26	9 57 53	1°30'04	3♋17	4° 2	9°15	0♒25	12° 2	11°52	5°48	1°26	11° 8	6°52	5°56	9°52	n.a.	S 26
M27	10 1 50	2°29'10	17°50	5°12	9°38	1°11	11°58	11°55	5°48	1°27	11° 7	6°54	5°52	9°59	n.a.	M27
T 28	10 5 46	3♓28'13	2♌40	6♒24	9♈58	1♒58	11♎53	11♐57	5♊49	1♐27	11♎ 6	6°R55	5♒49	10♒ 6	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s51	17n51	0s14	17s56	3n28	0s54	2n21	24s14	0s56	3s46	1n30	21s12	1n 5	21n40	0n 6	19s17	1n24	10n18	16n13	18s45	18s42	18s45		n.a.
T 2	18 36	11 54	1 37	18 13	3 19	0 26	2 28	24 10	0 57	3 46	1 31	21 13	1 5	21 40	0 6	19 17	1 24	10 18	16 14	18 45	18 43	18 43		n.a.
F 3	18 20	5 19	2 53	18 31	3 8	0n 1	2 35	24 7	0 57	3 45	1 31	21 14	1 5	21 40	0 6	19 18	1 24	10 19	16 14	18 45	18 44	18 40		n.a.
S 4	18 4	1s23	3 55	18 48	2 56	0 29	2 43	24 3	0 58	3 45	1 31	21 14	1 5	21 40	0 6	19 18	1 24	10 20	16 15	18 45	18 45	18 37		n.a.
S 5	17 47	7 50	4 40	19 4	2 44	0 56	2 51	23 58	0 58	3 45	1 31	21 15	1 5	21 40	0 6	19 18	1 24	10 20	16 15	18 45	18 45	18 35		n.a.
M 6	17 31	13 41	5 8	19 20	2 31	1 22	2 58	23 54	0 59	3 44	1 32	21 16	1 5	21 40	0 6	19 18	1 24	10 21	16 16	18 46	18 46	18 32		n.a.
T 7	17 14	18 42	5 18	19 36	2 18	1 49	3 6	23 49	0 59	3 44	1 32	21 16	1 5	21 39	0 6	19 18	1 24	10 21	16 16	18 46	18 47	18 30		n.a.
W 8	16 57	22 41	5 11	19 50	2 4	2 15	3 14	23 43	1 0	3 43	1 32	21 17	1 5	21 39	0 6	19 18	1 24	10 22	16 17	18 46	18 48	18 27		n.a.
T 9	16 39	25 29	4 49	20 3	1 50	2 41	3 22	23 38	1 0	3 43	1 32	21 18	1 5	21 39	0 6	19 19	1 24	10 23	16 17	18 46	18 49	18 25		n.a.
F 10	16 21	26 59	4 14	20 16	1 37	3 6	3 29	23 32	1 1	3 42	1 32	21 18	1 5	21 39	0 6	19 19	1 24	10 23	16 17	18 45	18 49	18 22		n.a.
S 11	16 3	27 10	3 29	20 27	1 23	3 32	3 37	23 26	1 1	3 41	1 33	21 19	1 5	21 39	0 6	19 19	1 24	10 24	16 18	18 45	18 50	18 19		n.a.
S 12	15 45	26 5	2 34	20 38	1 10	3 57	3 45	23 20	1 2	3 40	1 33	21 19	1 5	21 39	0 6	19 19	1 24	10 25	16 18	18 45	18 51	18 17		n.a.
M13	15 26	23 49	1 34	20 47	0 57	4 21	3 53	23 13	1 2	3 39	1 33	21 20	1 5	21 39	0 6	19 19	1 24	10 25	16 19	18 45	18 52	18 14		n.a.
T 14	15 7	20 32	0 30	20 55	0 44	4 45	4 1	23 7	1 2	3 38	1 33	21 20	1 5	21 39	0 6	19 19	1 24	10 26	16 19	18 44	18 53	18 12		n.a.
W15	14 48	16 27	0n35	21 1	0 31	5 9	4 9	23 0	1 3	3 37	1 34	21 21	1 5	21 39	0 6	19 19	1 24	10 27	16 19	18 45	18 54	18 9		n.a.
T 16	14 29	11 43	1 39	21 7	0 19	5 32	4 17	22 52	1 3	3 36	1 34	21 21	1 5	21 39	0 6	19 20	1 24	10 28	16 20	18 45	18 54	18 6		n.a.
F 17	14 10	6 33	2 39	21 11	0 7	5 55	4 25	22 45	1 4	3 35	1 34	21 22	1 5	21 39	0 6	19 20	1 24	10 28	16 20	18 45	18 55	18 4		n.a.
S 18	13 50	1 7	3 32	21 14	0s 4	6 17	4 34	22 37	1 4	3 34	1 34	21 22	1 5	21 39	0 6	19 20	1 24	10 29	16 21	18 46	18 56	18 1		n.a.
S 19	13 30	4n25	4 17	21 16	0 15	6 38	4 42	22 29	1 5	3 32	1 34	21 23	1 5	21 39	0 6	19 20	1 24	10 30	16 21	18 46	18 57	17 58		n.a.
M20	13 10	9 51	4 50	21 16	0 26	6 59	4 50	22 21	1 5	3 31	1 35	21 23	1 5	21 39	0 6	19 20	1 25	10 30	16 21	18 47	18 58	17 56		n.a.
T 21	12 49	14 59	5 10	21 15	0 36	7 20	4 58	22 12	1 6	3 30	1 35	21 24	1 5	21 39	0 6	19 20	1 25	10 31	16 22	18 48	18 58	17 53		n.a.
W22	12 29	19 36	5 15	21 12	0 46	7 40	5 6	22 3	1 6	3 28	1 35	21 24	1 5	21 39	0 6	19 20	1 25	10 32	16 22	18 48	18 59	17 51		n.a.
T 23	12 8	23 23	5 5	21 9	0 55	7 59	5 14	21 54	1 6	3 26	1 35	21 24	1 5	21 39	0 6	19 20	1 25	10 33	16 22	18 49	19 0	17 48		n.a.
F 24	11 47	26 1	4 37	21 3	1 4	8 17	5 22	21 45	1 7	3 25	1 35	21 25	1 5	21 39	0 6	19 20	1 25	10 33	16 23	18 49	19 1	17 45		n.a.
S 25	11 26	27 11	3 54	20 56	1 13	8 35	5 29	21 35	1 7	3 23	1 35	21 25	1 6	21 39	0 6	19 20	1 25	10 34	16 23	18 48	19 2	17 43		n.a.
S 26	11 5	26 38	2 55	20 48	1 20	8 52	5 37	21 26	1 8	3 21	1 36	21 26	1 6	21 39	0 6	19 20	1 25	10 35	16 23	18 48	19 2	17 40		n.a.
M27	10 44	24 15	1 43	20 38	1 28	9 8	5 45	21 16	1 8	3 19	1 36	21 26	1 6	21 39	0 6	19 20	1 25	10 36	16 24	18 48	19 3	17 37		n.a.
T 28	10s22	20n12	0n23	20s27	1s35	9n23	5n52	21s 5	1s 8	3s17	1n36	21s26	1n 6	21n39	0n 6	19s20	1n25	10n36	16n24	18s47	19s 4	17s35		n.a.

Julian Day Number = 1543942.5, Delta T = 04h35m40s
Ecliptic obliquity = 23°45'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°47'01, Lahiri = -10°40'01 Julian Calendar 1 Feb. 486 BCE == Greg. Calendar 27 Jan. 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

MARCH 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 9 43	4♓27'14	17♌43	7♒38	10♈17	2♒45	11°R49	12♐ 0	5♊49	1♐27	11°R 5	6°R54	5♒46	10♒12	n.a.	W 1
T 2	10 13 39	5°26'13	2♍51	8°54	10°34	3°31	11♎44	12° 3	5°50	1°28	11♎ 3	6♒53	5°43	10°19	n.a.	T 2
F 3	10 17 36	6°25'09	17°53	10°12	10°49	4°18	11°39	12° 5	5°51	1°28	11° 2	6°49	5°40	10°26	n.a.	F 3
S 4	10 21 32	7°24'03	2♎42	11°31	11° 2	5° 5	11°34	12° 8	5°51	1°28	11° 1	6°45	5°36	10°32	n.a.	S 4
S 5	10 25 29	8°22'56	17° 9	12°53	11°13	5°51	11°29	12°10	5°52	1°28	10°59	6°41	5°33	10°39	n.a.	S 5
M 6	10 29 25	9°21'46	1♏10	14°16	11°21	6°38	11°23	12°12	5°53	1°28	10°58	6°36	5°30	10°46	n.a.	M 6
T 7	10 33 22	10°20'35	14°43	15°42	11°27	7°24	11°18	12°14	5°54	1°29	10°57	6°32	5°27	10°52	n.a.	T 7
W 8	10 37 19	11°19'21	27°48	17° 9	11°31	8°11	11°12	12°16	5°55	1°29	10°55	6°30	5°24	10°59	n.a.	W 8
T 9	10 41 15	12°18'06	10♐28	18°37	11°R33	8°58	11° 7	12°18	5°56	1°29	10°54	6°D29	5°21	11° 5	n.a.	T 9
F 10	10 45 12	13°16'50	22°48	20° 8	11°32	9°44	11° 1	12°20	5°57	1°R29	10°52	6°30	5°17	11°12	n.a.	F 10
S 11	10 49 8	14°15'31	4♑52	21°40	11°29	10°31	10°55	12°22	5°58	1°29	10°51	6°31	5°14	11°19	n.a.	S 11
S 12	10 53 5	15°14'11	16°46	23°13	11°23	11°17	10°49	12°24	5°59	1°29	10°50	6°33	5°11	11°25	n.a.	S 12
M13	10 57 1	16°12'48	28°33	24°49	11°15	12° 3	10°42	12°25	6° 0	1°29	10°48	6°34	5° 8	11°32	n.a.	M13
T 14	11 0 58	17°11'24	10♒19	26°25	11° 4	12°50	10°36	12°27	6° 2	1°28	10°47	6°R34	5° 5	11°39	n.a.	T 14
W15	11 4 54	18° 9'58	22° 7	28° 4	10°51	13°36	10°29	12°28	6° 3	1°28	10°45	6°33	5° 2	11°45	n.a.	W15
T 16	11 8 51	19° 8'30	4♓ 1	29°44	10°36	14°23	10°23	12°29	6° 4	1°28	10°44	6°29	4°58	11°52	n.a.	T 16
F 17	11 12 47	20° 7'00	16° 2	1♓26	10°18	15° 9	10°16	12°30	6° 6	1°28	10°42	6°24	4°55	11°59	n.a.	F 17
S 18	11 16 44	21° 5'28	28°13	3° 9	9°58	15°55	10° 9	12°31	6° 7	1°28	10°41	6°17	4°52	12° 5	n.a.	S 18
S 19	11 20 41	22° 3'54	10♈34	4°54	9°35	16°42	10° 2	12°32	6° 9	1°27	10°39	6° 9	4°49	12°12	n.a.	S 19
M20	11 24 37	23° 2'18	23° 7	6°41	9°10	17°28	9°56	12°33	6°10	1°27	10°37	6° 0	4°46	12°19	n.a.	M20
T 21	11 28 34	24° 0'40	5♉52	8°29	8°44	18°14	9°48	12°34	6°12	1°27	10°36	5°52	4°42	12°25	n.a.	T 21
W22	11 32 30	24°58'59	18°50	10°19	8°15	19° 0	9°41	12°35	6°13	1°26	10°34	5°46	4°39	12°32	n.a.	W22
T 23	11 36 27	25°57'17	2♊ 2	12°11	7°44	19°46	9°34	12°35	6°15	1°26	10°33	5°41	4°36	12°39	n.a.	T 23
F 24	11 40 23	26°55'33	15°29	14° 4	7°12	20°33	9°27	12°36	6°17	1°25	10°31	5°38	4°33	12°45	n.a.	F 24
S 25	11 44 20	27°53'46	29°11	15°59	6°38	21°19	9°20	12°36	6°18	1°25	10°29	5°D38	4°30	12°52	n.a.	S 25
S 26	11 48 16	28°51'57	13♋10	17°56	6° 3	22° 5	9°12	12°37	6°20	1°24	10°28	5°38	4°27	12°58	n.a.	S 26
M27	11 52 13	29°50'06	27°25	19°54	5°27	22°51	9° 5	12°37	6°22	1°24	10°26	5°39	4°23	13° 5	n.a.	M27
T 28	11 56 10	0♈48'13	11♌56	21°54	4°50	23°37	8°57	12°37	6°24	1°23	10°24	5°R39	4°20	13°12	n.a.	T 28
W29	12 0 6	1°46'18	26°37	23°55	4°12	24°23	8°50	12°R37	6°26	1°23	10°23	5°38	4°17	13°18	n.a.	W29
T 30	12 4 3	2°44'21	11♍25	25°58	3°34	25° 9	8°42	12°37	6°28	1°22	10°21	5°34	4°14	13°25	n.a.	T 30
F 31	12 7 59	3♈42'22	26♍13	28♓ 2	2♈56	25♒54	8♎35	12♐37	6♊30	1♐22	10♎19	5♒27	4♒11	13♒32	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	10s 0	14n47	0s59	20s14	1s42	9n38	6n 0	20s55	1s 9	3s16	1n36	21s27	1n 6	21n40	0n 6	19s20	1n25	10n37	16n24	18s47	19s 5	17s32			n.a.
T 2	9 38	8 27	2 18	20 0	1 48	9 51	6 7	20 44	1 9	3 13	1 36	21 27	1 6	21 40	0 6	19 20	1 25	10 38	16 25	18 48	19 5	17 29			n.a.
F 3	9 16	1 41	3 26	19 44	1 53	10 3	6 14	20 34	1 9	3 11	1 36	21 27	1 6	21 40	0 6	19 20	1 25	10 39	16 25	18 49	19 6	17 27			n.a.
S 4	8 54	5s 3	4 20	19 27	1 58	10 15	6 21	20 22	1 10	3 9	1 37	21 27	1 6	21 40	0 6	19 20	1 25	10 39	16 25	18 50	19 7	17 24			n.a.
S 5	8 32	11 21	4 55	19 8	2 3	10 25	6 28	20 11	1 10	3 7	1 37	21 28	1 6	21 40	0 6	19 20	1 25	10 40	16 26	18 51	19 8	17 21			n.a.
M 6	8 10	16 53	5 11	18 47	2 7	10 35	6 35	20 0	1 10	3 5	1 37	21 28	1 6	21 40	0 6	19 20	1 25	10 41	16 26	18 52	19 9	17 19			n.a.
T 7	7 47	21 23	5 10	18 25	2 11	10 43	6 41	19 48	1 11	3 3	1 37	21 28	1 6	21 40	0 6	19 20	1 25	10 42	16 26	18 53	19 9	17 16			n.a.
W 8	7 25	24 39	4 52	18 2	2 14	10 50	6 47	19 36	1 11	3 0	1 37	21 28	1 6	21 41	0 6	19 20	1 25	10 43	16 26	18 54	19 10	17 13			n.a.
T 9	7 2	26 36	4 20	17 36	2 17	10 56	6 52	19 24	1 11	2 58	1 37	21 29	1 6	21 41	0 6	19 20	1 25	10 43	16 27	18 54	19 11	17 11			n.a.
F 10	6 39	27 9	3 36	17 10	2 19	11 0	6 58	19 12	1 12	2 55	1 37	21 29	1 6	21 41	0 6	19 20	1 25	10 44	16 27	18 54	19 12	17 8			n.a.
S 11	6 16	26 24	2 44	16 41	2 21	11 3	7 3	18 59	1 12	2 53	1 38	21 29	1 6	21 41	0 6	19 20	1 25	10 45	16 27	18 53	19 13	17 5			n.a.
S 12	5 54	24 26	1 46	16 11	2 22	11 5	7 7	18 47	1 12	2 50	1 38	21 29	1 6	21 41	0 6	19 20	1 25	10 46	16 27	18 53	19 13	17 3			n.a.
M13	5 31	21 26	0 44	15 40	2 23	11 6	7 11	18 34	1 13	2 48	1 38	21 29	1 6	21 42	0 6	19 20	1 25	10 46	16 27	18 53	19 14	17 0			n.a.
T 14	5 7	17 34	0n20	15 6	2 23	11 5	7 15	18 21	1 13	2 45	1 38	21 30	1 6	21 42	0 6	19 20	1 25	10 47	16 28	18 53	19 15	16 57			n.a.
W15	4 44	13 0	1 24	14 32	2 23	11 2	7 18	18 7	1 13	2 43	1 38	21 30	1 6	21 42	0 6	19 20	1 25	10 48	16 28	18 53	19 16	16 54			n.a.
T 16	4 21	7 57	2 23	13 55	2 22	10 58	7 20	17 54	1 13	2 40	1 38	21 30	1 6	21 42	0 6	19 20	1 25	10 49	16 28	18 54	19 16	16 52			n.a.
F 17	3 58	2 33	3 17	13 17	2 20	10 53	7 22	17 41	1 14	2 37	1 38	21 30	1 6	21 42	0 6	19 20	1 25	10 49	16 28	18 55	19 17	16 49			n.a.
S 18	3 35	2n59	4 3	12 38	2 18	10 46	7 23	17 27	1 14	2 34	1 38	21 30	1 6	21 43	0 6	19 20	1 26	10 50	16 28	18 57	19 18	16 46			n.a.
S 19	3 11	8 29	4 38	11 56	2 16	10 38	7 24	17 13	1 14	2 32	1 38	21 30	1 6	21 43	0 6	19 20	1 26	10 51	16 29	18 59	19 19	16 44			n.a.
M20	2 48	13 44	5 0	11 14	2 13	10 28	7 24	16 59	1 14	2 29	1 38	21 30	1 6	21 43	0 6	19 20	1 26	10 52	16 29	19 1	19 20	16 41			n.a.
T 21	2 25	18 29	5 8	10 29	2 9	10 16	7 23	16 45	1 15	2 26	1 38	21 30	1 6	21 44	0 6	19 19	1 26	10 52	16 29	19 3	19 20	16 38			n.a.
W22	2 1	22 27	5 0	9 44	2 5	10 3	7 22	16 30	1 15	2 23	1 38	21 30	1 6	21 44	0 6	19 19	1 26	10 53	16 29	19 5	19 21	16 35			n.a.
T 23	1 38	25 21	4 36	8 56	2 1	9 49	7 19	16 16	1 15	2 20	1 38	21 30	1 6	21 44	0 6	19 19	1 26	10 54	16 29	19 6	19 22	16 33			n.a.
F 24	1 14	26 52	3 57	8 7	1 56	9 33	7 16	16 1	1 15	2 17	1 38	21 30	1 6	21 44	0 6	19 19	1 26	10 54	16 29	19 7	19 23	16 30			n.a.
S 25	0 51	26 48	3 3	7 17	1 50	9 16	7 12	15 46	1 15	2 14	1 38	21 31	1 6	21 45	0 6	19 19	1 26	10 55	16 29	19 7	19 23	16 27			n.a.
S 26	0 27	25 3	1 58	6 25	1 44	8 57	7 7	15 31	1 16	2 11	1 38	21 31	1 7	21 45	0 6	19 19	1 26	10 56	16 29	19 7	19 24	16 25			n.a.
M27	0 4	21 40	0 44	5 32	1 37	8 37	7 2	15 16	1 16	2 8	1 38	21 31	1 7	21 45	0 6	19 19	1 26	10 57	16 29	19 6	19 25	16 22			n.a.
T 28	0n19	16 54	0s34	4 38	1 30	8 17	6 55	15 1	1 16	2 5	1 38	21 30	1 7	21 46	0 6	19 19	1 26	10 57	16 29	19 6	19 26	16 19			n.a.
W29	0 43	11 5	1 50	3 42	1 22	7 55	6 48	14 46	1 16	2 2	1 38	21 30	1 7	21 46	0 6	19 18	1 26	10 58	16 29	19 7	19 26	16 16			n.a.
T 30	1 6	4 37	2 59	2 45	1 14	7 32	6 40	14 30	1 16	1 59	1 38	21 30	1 7	21 46	0 6	19 18	1 26	10 59	16 30	19 8	19 27	16 14			n.a.
F 31	1n30	2s 5	3s57	1s48	1s 6	7n 9	6n31	14s15	1s16	1s56	1n38	21s30	1n 7	21n47	0n 6	19s18	1n26	10n59	16n30	19s 9	19s28	16s11			n.a.

Julian Day Number = 1543970.5, Delta T = 04h35m39s
Ecliptic obliquity = 23°45'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'57, Lahiri = -10°39'57 Julian Calendar 1 March 486 BCE == Greg. Calendar 24 Feb. 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

APRIL 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 11 56	4♈40'21	10♎51	0♈ 8	2°R18	26♒40	8°R27	12°R36	6♊32	1°R21	10°R18	5°R19	4♒ 8	13♒38	n.a.	S 1
S 2	12 15 52	5°38'18	25°14	2°14	1♈40	27°26	8♎20	12♐36	6°34	1♐20	10♎16	5♒ 9	4° 4	13°45	n.a.	S 2
M 3	12 19 49	6°36'14	9♏14	4°22	1° 3	28°12	8°12	12°36	6°36	1°19	10°14	5° 0	4° 1	13°52	n.a.	M 3
T 4	12 23 45	7°34'08	22°49	6°31	0°27	28°57	8° 4	12°35	6°39	1°19	10°13	4°52	3°58	13°58	n.a.	T 4
W 5	12 27 42	8°32'01	5♐57	8°40	29♓52	29°43	7°57	12°34	6°41	1°18	10°11	4°45	3°55	14° 5	n.a.	W 5
T 6	12 31 39	9°29'52	18°41	10°50	29°18	0♓29	7°49	12°34	6°43	1°17	10° 9	4°41	3°52	14°12	n.a.	T 6
F 7	12 35 35	10°27'42	1♑ 3	13° 1	28°46	1°14	7°41	12°33	6°45	1°16	10° 8	4°39	3°48	14°18	n.a.	F 7
S 8	12 39 32	11°25'31	13° 9	15°11	28°15	2° 0	7°34	12°32	6°48	1°15	10° 6	4°D38	3°45	14°25	n.a.	S 8
S 9	12 43 28	12°23'19	25° 3	17°21	27°47	2°45	7°26	12°31	6°50	1°14	10° 4	4°39	3°42	14°32	n.a.	S 9
M10	12 47 25	13°21'05	6♒51	19°30	27°20	3°31	7°19	12°30	6°53	1°14	10° 3	4°R39	3°39	14°38	n.a.	M10
T 11	12 51 21	14°18'50	18°39	21°38	26°55	4°16	7°11	12°28	6°55	1°13	10° 1	4°38	3°36	14°45	n.a.	T 11
W12	12 55 18	15°16'33	0♓30	23°46	26°33	5° 2	7° 3	12°27	6°58	1°12	9°59	4°35	3°33	14°51	n.a.	W12
T 13	12 59 14	16°14'15	12°29	25°52	26°13	5°47	6°56	12°26	7° 0	1°11	9°58	4°30	3°29	14°58	n.a.	T 13
F 14	13 3 11	17°11'56	24°40	27°56	25°55	6°32	6°48	12°24	7° 3	1°10	9°56	4°22	3°26	15° 5	n.a.	F 14
S 15	13 7 7	18° 9'36	7♈ 3	29°58	25°39	7°18	6°41	12°23	7° 5	1° 9	9°54	4°11	3°23	15°11	n.a.	S 15
S 16	13 11 4	19° 7'14	19°41	1♉58	25°26	8° 3	6°34	12°21	7° 8	1° 7	9°53	3°59	3°20	15°18	n.a.	S 16
M17	13 15 1	20° 4'51	2♉33	3°56	25°16	8°48	6°26	12°19	7°11	1° 6	9°51	3°47	3°17	15°25	n.a.	M17
T 18	13 18 57	21° 2'27	15°39	5°52	25° 7	9°33	6°19	12°17	7°13	1° 5	9°49	3°35	3°13	15°31	n.a.	T 18
W19	13 22 54	22° 0'01	28°57	7°44	25° 2	10°18	6°12	12°15	7°16	1° 4	9°48	3°25	3°10	15°38	n.a.	W19
T 20	13 26 50	22°57'33	12♊26	9°35	24°58	11° 3	6° 5	12°13	7°19	1° 3	9°46	3°17	3° 7	15°45	n.a.	T 20
F 21	13 30 47	23°55'05	26° 5	11°22	24°D57	11°48	5°58	12°11	7°22	1° 2	9°44	3°13	3° 4	15°51	n.a.	F 21
S 22	13 34 43	24°52'35	9♋53	13° 6	24°58	12°33	5°51	12° 9	7°25	1° 1	9°43	3°10	3° 1	15°58	n.a.	S 22
S 23	13 38 40	25°50'03	23°51	14°48	25° 2	13°18	5°44	12° 7	7°28	0°59	9°41	3°10	2°58	16° 5	n.a.	S 23
M24	13 42 37	26°47'30	7♌57	16°26	25° 7	14° 3	5°37	12° 4	7°30	0°58	9°40	3°10	2°54	16°11	n.a.	M24
T 25	13 46 33	27°44'55	22°11	18° 2	25°15	14°47	5°31	12° 2	7°33	0°57	9°38	3° 9	2°51	16°18	n.a.	T 25
W26	13 50 30	28°42'19	6♍32	19°34	25°25	15°32	5°24	11°59	7°36	0°56	9°36	3° 6	2°48	16°25	n.a.	W26
T 27	13 54 26	29°39'41	20°56	21° 3	25°38	16°17	5°18	11°57	7°39	0°54	9°35	3° 1	2°45	16°31	n.a.	T 27
F 28	13 58 23	0♉37'02	5♎19	22°29	25°52	17° 1	5°12	11°54	7°42	0°53	9°33	2°53	2°42	16°38	n.a.	F 28
S 29	14 2 19	1°34'22	19°35	23°52	26° 8	17°46	5° 5	11°51	7°46	0°52	9°32	2°43	2°39	16°45	n.a.	S 29
S 30	14 6 16	2♉31'41	3♏40	25♉12	26♓26	18♓30	4♎59	11♐49	7♊49	0♐50	9♎30	2♒31	2♒35	16♒51	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n53	8s36	4s38	0s49	0s57	6n45	6n22	13s59	1s17	1s53	1n38	21s30	1n 7	21n47	0n 6	19s18	1n26	11n 0	16n30	19s11	19s29	16s 8		n.a.
S 2	2 16	14 32	5 0	0n11	0 47	6 20	6 12	13 43	1 17	1 50	1 38	21 30	1 7	21 48	0 6	19 18	1 26	11 1	16 30	19 14	19 30	16 5		n.a.
M 3	2 39	19 33	5 4	1 11	0 37	5 56	6 1	13 27	1 17	1 47	1 38	21 30	1 7	21 48	0 6	19 18	1 26	11 1	16 30	19 16	19 30	16 2		n.a.
T 4	3 2	23 23	4 50	2 12	0 27	5 31	5 49	13 11	1 17	1 44	1 38	21 30	1 7	21 48	0 6	19 17	1 26	11 2	16 30	19 18	19 31	16 0		n.a.
W 5	3 26	25 52	4 21	3 13	0 17	5 6	5 38	12 55	1 17	1 41	1 38	21 30	1 7	21 49	0 6	19 17	1 26	11 3	16 30	19 20	19 32	15 57		n.a.
T 6	3 49	26 55	3 40	4 15	0 7	4 41	5 25	12 39	1 17	1 38	1 38	21 30	1 7	21 49	0 6	19 17	1 26	11 3	16 30	19 21	19 33	15 54		n.a.
F 7	4 12	26 34	2 49	5 16	0n 4	4 16	5 12	12 23	1 17	1 35	1 38	21 30	1 7	21 49	0 6	19 17	1 26	11 4	16 30	19 21	19 33	15 51		n.a.
S 8	4 35	24 57	1 52	6 17	0 15	3 52	4 59	12 6	1 17	1 32	1 38	21 30	1 7	21 50	0 6	19 17	1 26	11 4	16 29	19 21	19 34	15 49		n.a.
S 9	4 57	22 14	0 51	7 17	0 25	3 28	4 46	11 50	1 17	1 29	1 38	21 29	1 7	21 50	0 6	19 16	1 26	11 5	16 29	19 21	19 35	15 46		n.a.
M10	5 20	18 37	0n12	8 17	0 36	3 5	4 32	11 33	1 17	1 26	1 38	21 29	1 7	21 51	0 6	19 16	1 26	11 6	16 29	19 21	19 36	15 43		n.a.
T 11	5 43	14 16	1 14	9 15	0 46	2 42	4 19	11 16	1 18	1 24	1 38	21 29	1 7	21 51	0 6	19 16	1 26	11 6	16 29	19 21	19 36	15 40		n.a.
W12	6 6	9 22	2 13	10 13	0 56	2 21	4 5	11 0	1 18	1 21	1 38	21 29	1 7	21 52	0 6	19 16	1 26	11 7	16 29	19 22	19 37	15 37		n.a.
T 13	6 28	4 6	3 7	11 9	1 6	2 0	3 51	10 43	1 18	1 18	1 38	21 29	1 7	21 52	0 6	19 15	1 26	11 7	16 29	19 23	19 38	15 35		n.a.
F 14	6 50	1n24	3 53	12 3	1 16	1 40	3 37	10 26	1 18	1 15	1 38	21 28	1 7	21 52	0 6	19 15	1 26	11 8	16 29	19 25	19 39	15 32		n.a.
S 15	7 13	6 56	4 29	12 56	1 25	1 21	3 23	10 9	1 18	1 12	1 37	21 28	1 7	21 53	0 6	19 15	1 26	11 8	16 29	19 28	19 39	15 29		n.a.
S 16	7 35	12 17	4 52	13 46	1 33	1 3	3 9	9 52	1 18	1 9	1 37	21 28	1 7	21 53	0 6	19 15	1 26	11 9	16 29	19 31	19 40	15 26		n.a.
M17	7 57	17 13	5 1	14 35	1 41	0 46	2 55	9 34	1 18	1 6	1 37	21 28	1 7	21 54	0 6	19 15	1 26	11 9	16 29	19 34	19 41	15 24		n.a.
T 18	8 19	21 26	4 55	15 21	1 49	0 30	2 42	9 17	1 18	1 4	1 37	21 27	1 7	21 54	0 6	19 14	1 26	11 10	16 28	19 37	19 42	15 21		n.a.
W19	8 41	24 36	4 32	16 5	1 55	0 16	2 28	9 0	1 18	1 1	1 37	21 27	1 7	21 55	0 6	19 14	1 27	11 10	16 28	19 39	19 42	15 18		n.a.
T 20	9 2	26 27	3 54	16 47	2 1	0 2	2 15	8 43	1 18	0 58	1 37	21 27	1 7	21 55	0 6	19 14	1 27	11 11	16 28	19 41	19 43	15 15		n.a.
F 21	9 24	26 44	3 3	17 27	2 7	0s10	2 2	8 25	1 18	0 55	1 37	21 27	1 7	21 56	0 6	19 13	1 27	11 11	16 28	19 42	19 44	15 12		n.a.
S 22	9 45	25 22	2 0	18 4	2 11	0 21	1 49	8 8	1 18	0 53	1 36	21 26	1 7	21 56	0 6	19 13	1 27	11 12	16 28	19 42	19 45	15 9		n.a.
S 23	10 7	22 26	0 49	18 38	2 15	0 31	1 37	7 50	1 18	0 50	1 36	21 26	1 7	21 57	0 6	19 13	1 27	11 12	16 28	19 42	19 45	15 7		n.a.
M24	10 28	18 7	0s25	19 11	2 18	0 40	1 25	7 33	1 18	0 48	1 36	21 26	1 7	21 57	0 6	19 13	1 27	11 13	16 27	19 42	19 46	15 4		n.a.
T 25	10 49	12 44	1 39	19 41	2 21	0 48	1 13	7 15	1 18	0 45	1 36	21 25	1 7	21 58	0 6	19 12	1 27	11 13	16 27	19 43	19 47	15 1		n.a.
W26	11 9	6 39	2 47	20 8	2 22	0 55	1 1	6 58	1 18	0 43	1 36	21 25	1 7	21 58	0 6	19 12	1 27	11 14	16 27	19 43	19 48	14 58		n.a.
T 27	11 30	0 13	3 44	20 33	2 23	1 0	0 50	6 40	1 17	0 40	1 36	21 25	1 7	21 59	0 6	19 12	1 27	11 14	16 27	19 44	19 48	14 55		n.a.
F 28	11 50	6s13	4 27	20 56	2 23	1 5	0 39	6 23	1 17	0 38	1 35	21 24	1 7	21 59	0 6	19 11	1 27	11 14	16 26	19 46	19 49	14 53		n.a.
S 29	12 11	12 16	4 53	21 17	2 23	1 8	0 28	6 5	1 17	0 36	1 35	21 24	1 7	22 0	0 6	19 11	1 27	11 15	16 26	19 49	19 50	14 50		n.a.
S 30	12n31	17s36	5s 0	21n36	2n21	1s10	0n17	5s47	1s17	0s33	1n35	21s24	1n 7	22n 0	0n 6	19s11	1n27	11n15	16n26	19s51	19s50	14s47		n.a.

Julian Day Number = 1544001.5, Delta T = 04h35m37s
Ecliptic obliquity = 23°45'20, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'53, Lahiri = -10°39'53 Julian Calendar 1 Apr. 486 BCE == Greg. Calendar 27 March 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

MAY 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 10 12	3♉28'59	17♏26	26♉28	26♓46	19♓14	4°R53	11°R46	7♊52	0°R49	9°R29	2°R19	2♒32	16♒58	n.a.	M 1
T 2	14 14 9	4°26'16	0♐52	27°41	27° 8	19°59	4♎47	11♐43	7°55	0♐47	9♎27	2♒ 9	2°29	17° 4	n.a.	T 2
W 3	14 18 6	5°23'33	13°56	28°51	27°31	20°43	4°42	11°40	7°58	0°46	9°26	2° 0	2°26	17°11	n.a.	W 3
T 4	14 22 2	6°20'49	26°38	29°57	27°56	21°27	4°36	11°37	8° 1	0°45	9°24	1°54	2°23	17°18	n.a.	T 4
F 5	14 25 59	7°18'04	9♑ 0	1♊ 0	28°23	22°12	4°31	11°33	8° 4	0°43	9°23	1°50	2°19	17°24	n.a.	F 5
S 6	14 29 55	8°15'19	21° 6	1°59	28°51	22°56	4°25	11°30	8° 8	0°42	9°21	1°48	2°16	17°31	n.a.	S 6
S 7	14 33 52	9°12'33	3♒ 1	2°55	29°21	23°40	4°20	11°27	8°11	0°40	9°20	1°48	2°13	17°38	n.a.	S 7
M 8	14 37 48	10° 9'46	14°51	3°46	29°52	24°24	4°15	11°23	8°14	0°39	9°19	1°48	2°10	17°44	n.a.	M 8
T 9	14 41 45	11° 6'59	26°40	4°34	0♈25	25° 8	4°10	11°20	8°17	0°37	9°17	1°47	2° 7	17°51	n.a.	T 9
W10	14 45 41	12° 4'12	8♓34	5°19	0°58	25°51	4° 5	11°17	8°21	0°36	9°16	1°45	2° 4	17°58	n.a.	W10
T 11	14 49 38	13° 1'24	20°38	5°59	1°34	26°35	4° 1	11°13	8°24	0°34	9°15	1°40	2° 0	18° 4	n.a.	T 11
F 12	14 53 35	13°58'36	2♈55	6°35	2°10	27°19	3°56	11° 9	8°27	0°33	9°13	1°32	1°57	18°11	n.a.	F 12
S 13	14 57 31	14°55'47	15°30	7° 7	2°48	28° 3	3°52	11° 6	8°31	0°31	9°12	1°23	1°54	18°18	n.a.	S 13
S 14	15 1 28	15°52'58	28°22	7°34	3°26	28°46	3°48	11° 2	8°34	0°30	9°11	1°11	1°51	18°24	n.a.	S 14
M15	15 5 24	16°50'09	11♉33	7°58	4° 6	29°30	3°44	10°58	8°38	0°28	9° 9	0°59	1°48	18°31	n.a.	M15
T 16	15 9 21	17°47'19	25° 0	8°16	4°47	0♈13	3°40	10°54	8°41	0°27	9° 8	0°48	1°45	18°38	n.a.	T 16
W17	15 13 17	18°44'29	8♊42	8°31	5°29	0°57	3°36	10°50	8°45	0°25	9° 7	0°39	1°41	18°44	n.a.	W17
T 18	15 17 14	19°41'38	22°35	8°41	6°12	1°40	3°33	10°47	8°48	0°23	9° 6	0°31	1°38	18°51	n.a.	T 18
F 19	15 21 10	20°38'47	6♋35	8°46	6°55	2°23	3°30	10°43	8°51	0°22	9° 5	0°27	1°35	18°58	n.a.	F 19
S 20	15 25 7	21°35'55	20°40	8°R47	7°40	3° 7	3°27	10°39	8°55	0°20	9° 4	0°25	1°32	19° 4	n.a.	S 20
S 21	15 29 4	22°33'03	4♌48	8°43	8°25	3°50	3°24	10°35	8°58	0°19	9° 3	0°D25	1°29	19°11	n.a.	S 21
M22	15 33 0	23°30'10	18°56	8°34	9°12	4°33	3°21	10°30	9° 2	0°17	9° 1	0°R25	1°25	19°17	n.a.	M22
T 23	15 36 57	24°27'16	3♍ 5	8°22	9°59	5°16	3°18	10°26	9° 6	0°15	9° 0	0°25	1°22	19°24	n.a.	T 23
W24	15 40 53	25°24'22	17°11	8° 5	10°46	5°59	3°16	10°22	9° 9	0°14	8°59	0°23	1°19	19°31	n.a.	W24
T 25	15 44 50	26°21'27	1♎15	7°44	11°35	6°42	3°13	10°18	9°13	0°12	8°58	0°19	1°16	19°37	n.a.	T 25
F 26	15 48 46	27°18'32	15°14	7°20	12°24	7°24	3°11	10°14	9°16	0°11	8°57	0°12	1°13	19°44	n.a.	F 26
S 27	15 52 43	28°15'36	29° 4	6°53	13°14	8° 7	3° 9	10°10	9°20	0° 9	8°56	0° 4	1°10	19°51	n.a.	S 27
S 28	15 56 39	29°12'41	12♏43	6°22	14° 5	8°50	3° 8	10° 5	9°23	0° 7	8°56	29♑54	1° 6	19°57	n.a.	S 28
M29	16 0 36	0♊ 9'45	26° 8	5°49	14°56	9°32	3° 6	10° 1	9°27	0° 6	8°55	29°44	1° 3	20° 4	n.a.	M29
T 30	16 4 33	1° 6'50	9♐17	5°15	15°48	10°15	3° 5	9°57	9°30	0° 4	8°54	29°35	1° 0	20°11	n.a.	T 30
W31	16 8 29	2♊ 3'54	22♐ 7	4♊39	16♈41	10♈57	3♎ 4	9♐52	9♊34	0♐ 2	8♎53	29♑28	0♒57	20♒17	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	12n50	21s53	4s50	21n52	2n19	1s11	0n 7	5s30	1s17	0s31	1n35	21s23	1n 7	22n 1	0n 6	19s11	1n27	11n15	16n26	19s54	19s51	14s44			n.a.
T 2	13 10	24 54	4 24	22 6	2 15	1 12	0s 2	5 12	1 17	0 29	1 35	21 23	1 7	22 1	0 6	19 10	1 27	11 16	16 25	19 57	19 52	14 41			n.a.
W 3	13 30	26 29	3 45	22 18	2 11	1 11	0 12	4 54	1 17	0 27	1 34	21 22	1 7	22 2	0 6	19 10	1 27	11 16	16 25	19 59	19 53	14 38			n.a.
T 4	13 49	26 37	2 55	22 28	2 7	1 9	0 21	4 36	1 17	0 25	1 34	21 22	1 7	22 2	0 6	19 10	1 27	11 16	16 25	20 0	19 53	14 35			n.a.
F 5	14 8	25 24	1 58	22 36	2 1	1 7	0 30	4 18	1 17	0 23	1 34	21 21	1 7	22 3	0 6	19 9	1 27	11 17	16 24	20 1	19 54	14 33			n.a.
S 6	14 27	23 0	0 56	22 42	1 55	1 3	0 38	4 1	1 16	0 21	1 34	21 21	1 7	22 3	0 6	19 9	1 27	11 17	16 24	20 1	19 55	14 30			n.a.
S 7	14 45	19 38	0n 6	22 46	1 47	0 58	0 47	3 43	1 16	0 19	1 33	21 21	1 7	22 4	0 6	19 9	1 27	11 17	16 24	20 1	19 56	14 27			n.a.
M 8	15 4	15 30	1 9	22 49	1 39	0 53	0 55	3 25	1 16	0 17	1 33	21 20	1 7	22 4	0 6	19 8	1 27	11 17	16 23	20 1	19 56	14 24			n.a.
T 9	15 22	10 47	2 8	22 49	1 31	0 47	1 2	3 7	1 16	0 16	1 33	21 20	1 7	22 5	0 6	19 8	1 27	11 18	16 23	20 1	19 57	14 21			n.a.
W10	15 40	5 40	3 2	22 48	1 21	0 40	1 10	2 49	1 16	0 14	1 33	21 19	1 7	22 5	0 6	19 8	1 27	11 18	16 23	20 2	19 58	14 18			n.a.
T 11	15 57	0 16	3 48	22 45	1 11	0 32	1 17	2 32	1 16	0 12	1 32	21 19	1 7	22 6	0 6	19 7	1 27	11 18	16 22	20 3	19 58	14 15			n.a.
F 12	16 15	5n13	4 25	22 40	1 0	0 24	1 24	2 14	1 15	0 11	1 32	21 18	1 7	22 7	0 6	19 7	1 27	11 18	16 22	20 5	19 59	14 13			n.a.
S 13	16 32	10 38	4 50	22 34	0 48	0 15	1 30	1 56	1 15	0 9	1 32	21 18	1 7	22 7	0 6	19 7	1 27	11 18	16 22	20 7	20 0	14 10			n.a.
S 14	16 49	15 42	5 1	22 27	0 35	0 5	1 36	1 38	1 15	0 8	1 32	21 17	1 7	22 8	0 6	19 6	1 27	11 18	16 21	20 9	20 1	14 7			n.a.
M15	17 5	20 11	4 56	22 17	0 22	0n 5	1 42	1 21	1 15	0 7	1 31	21 17	1 7	22 8	0 6	19 6	1 27	11 19	16 21	20 12	20 1	14 4			n.a.
T 16	17 22	23 43	4 35	22 7	0 8	0 17	1 48	1 3	1 15	0 5	1 31	21 16	1 7	22 9	0 6	19 6	1 27	11 19	16 21	20 15	20 2	14 1			n.a.
W17	17 38	25 58	3 58	21 55	0s 6	0 28	1 54	0 45	1 14	0 4	1 31	21 16	1 7	22 9	0 6	19 5	1 27	11 19	16 20	20 17	20 3	13 58			n.a.
T 18	17 53	26 39	3 7	21 42	0 21	0 41	1 59	0 28	1 14	0 3	1 31	21 15	1 7	22 10	0 6	19 5	1 27	11 19	16 20	20 18	20 3	13 55			n.a.
F 19	18 9	25 38	2 3	21 27	0 36	0 53	2 4	0 10	1 14	0 2	1 30	21 15	1 7	22 10	0 6	19 5	1 27	11 19	16 19	20 19	20 4	13 52			n.a.
S 20	18 24	23 0	0 52	21 12	0 52	1 7	2 9	0n 8	1 14	0 1	1 30	21 14	1 7	22 11	0 6	19 4	1 27	11 19	16 19	20 20	20 5	13 50			n.a.
S 21	18 39	18 56	0s23	20 56	1 8	1 21	2 13	0 25	1 13	0n 0	1 30	21 14	1 7	22 12	0 6	19 4	1 27	11 19	16 18	20 20	20 6	13 47			n.a.
M22	18 54	13 49	1 37	20 38	1 24	1 35	2 17	0 43	1 13	0 1	1 29	21 13	1 7	22 12	0 6	19 4	1 27	11 19	16 18	20 20	20 6	13 44			n.a.
T 23	19 8	7 57	2 45	20 20	1 41	1 50	2 21	1 0	1 13	0 2	1 29	21 13	1 7	22 13	0 6	19 3	1 27	11 19	16 18	20 20	20 7	13 41			n.a.
W24	19 22	1 43	3 42	20 1	1 57	2 6	2 25	1 18	1 13	0 2	1 29	21 12	1 7	22 13	0 6	19 3	1 27	11 19	16 17	20 20	20 8	13 38			n.a.
T 25	19 36	4s34	4 26	19 42	2 13	2 22	2 29	1 35	1 12	0 3	1 28	21 11	1 6	22 14	0 6	19 3	1 27	11 19	16 17	20 21	20 8	13 35			n.a.
F 26	19 49	10 35	4 54	19 22	2 29	2 38	2 32	1 53	1 12	0 4	1 28	21 11	1 6	22 14	0 6	19 2	1 27	11 19	16 16	20 22	20 9	13 32			n.a.
S 27	20 2	16 0	5 4	19 2	2 45	2 55	2 36	2 10	1 12	0 4	1 28	21 10	1 6	22 15	0 6	19 2	1 27	11 19	16 16	20 24	20 10	13 29			n.a.
S 28	20 15	20 33	4 56	18 43	3 0	3 12	2 39	2 27	1 11	0 5	1 28	21 10	1 6	22 15	0 6	19 2	1 27	11 19	16 15	20 26	20 11	13 26			n.a.
M29	20 27	23 57	4 33	18 23	3 14	3 29	2 41	2 44	1 11	0 5	1 27	21 9	1 6	22 16	0 6	19 1	1 27	11 19	16 15	20 28	20 11	13 24			n.a.
T 30	20 39	26 0	3 55	18 4	3 27	3 47	2 44	3 2	1 11	0 5	1 27	21 9	1 6	22 17	0 6	19 1	1 27	11 19	16 14	20 30	20 12	13 21			n.a.
W31	20n51	26s36	3s 6	17n45	3s39	4n 5	2s46	3n19	1s10	0n 5	1n27	21s 8	1n 6	22n17	0n 6	19s 1	1n27	11n19	16n14	20s32	20s13	13s18			n.a.

Julian Day Number = 1544031.5, Delta T = 04h35m36s
Ecliptic obliquity = 23°45'20, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'49, Lahiri = -10°39'48 Julian Calendar 1 May 486 BCE == Greg. Calendar 26 Apr. 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

JUNE 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 12 26	3♊ 0'59	4♑40	4°R 2	17♈34	11♈39	3°R 3	9°R48	9♊38	0°R 1	8°R52	29°R23	0♒54	20♒24	n.a.	T 1
F 2	16 16 22	3°58'03	16°57	3♊26	18°27	12°22	3♎ 2	9♐44	9°41	29♏59	8♎51	29♑20	0°51	20°31	n.a.	F 2
S 3	16 20 19	4°55'09	29° 1	2°49	19°22	13° 4	3° 1	9°39	9°45	29°58	8°51	29°D19	0°47	20°37	n.a.	S 3
S 4	16 24 15	5°52'14	10♒56	2°15	20°16	13°46	3° 1	9°35	9°49	29°56	8°50	29°20	0°44	20°44	n.a.	S 4
M 5	16 28 12	6°49'20	22°45	1°41	21°12	14°28	3° 0	9°31	9°52	29°54	8°49	29°21	0°41	20°51	n.a.	M 5
T 6	16 32 9	7°46'26	4♓35	1°11	22° 7	15°10	3°D 0	9°26	9°56	29°53	8°49	29°R22	0°38	20°57	n.a.	T 6
W 7	16 36 5	8°43'33	16°30	0°43	23° 3	15°52	3° 0	9°22	9°59	29°51	8°48	29°21	0°35	21° 4	n.a.	W 7
T 8	16 40 2	9°40'40	28°36	0°19	24° 0	16°34	3° 1	9°17	10° 3	29°50	8°47	29°20	0°31	21°11	n.a.	T 8
F 9	16 43 58	10°37'48	10♈56	29♉58	24°57	17°15	3° 1	9°13	10° 7	29°48	8°47	29°16	0°28	21°17	n.a.	F 9
S 10	16 47 55	11°34'57	23°36	29°42	25°55	17°57	3° 2	9° 8	10°10	29°46	8°46	29°10	0°25	21°24	n.a.	S 10
S 11	16 51 51	12°32'06	6♉37	29°30	26°53	18°39	3° 2	9° 4	10°14	29°45	8°46	29° 3	0°22	21°31	n.a.	S 11
M12	16 55 48	13°29'16	20° 0	29°24	27°51	19°20	3° 3	9° 0	10°17	29°43	8°45	28°56	0°19	21°37	n.a.	M12
T 13	16 59 44	14°26'26	3♊45	29°D22	28°50	20° 2	3° 4	8°55	10°21	29°42	8°45	28°48	0°16	21°44	n.a.	T 13
W14	17 3 41	15°23'37	17°48	29°26	29°49	20°43	3° 6	8°51	10°25	29°40	8°45	28°42	0°12	21°51	n.a.	W14
T 15	17 7 38	16°20'49	2♋ 5	29°35	0♉48	21°24	3° 7	8°47	10°28	29°39	8°44	28°38	0° 9	21°57	n.a.	T 15
F 16	17 11 34	17°18'01	16°30	29°50	1°48	22° 5	3° 9	8°42	10°32	29°37	8°44	28°36	0° 6	22° 4	n.a.	F 16
S 17	17 15 31	18°15'13	0♌59	0♊10	2°48	22°46	3°11	8°38	10°36	29°36	8°44	28°D35	0° 3	22°11	n.a.	S 17
S 18	17 19 27	19°12'26	15°26	0°36	3°48	23°27	3°13	8°34	10°39	29°34	8°43	28°36	29♑59	22°17	n.a.	S 18
M19	17 23 24	20° 9'39	29°48	1° 8	4°49	24° 8	3°15	8°29	10°43	29°33	8°43	28°37	29°56	22°24	n.a.	M19
T 20	17 27 20	21° 6'53	14♍ 2	1°45	5°50	24°49	3°18	8°25	10°46	29°31	8°43	28°38	29°53	22°30	n.a.	T 20
W21	17 31 17	22° 4'07	28° 5	2°27	6°52	25°30	3°20	8°21	10°50	29°30	8°43	28°R38	29°50	22°37	n.a.	W21
T 22	17 35 14	23° 1'21	11♎58	3°16	7°53	26°10	3°23	8°17	10°53	29°28	8°43	28°37	29°47	22°44	n.a.	T 22
F 23	17 39 10	23°58'36	25°38	4° 9	8°55	26°51	3°26	8°13	10°57	29°27	8°42	28°34	29°44	22°50	n.a.	F 23
S 24	17 43 7	24°55'51	9♏ 6	5° 8	9°57	27°31	3°29	8° 8	11° 1	29°25	8°42	28°30	29°41	22°57	n.a.	S 24
S 25	17 47 3	25°53'08	22°21	6°13	11° 0	28°12	3°32	8° 4	11° 4	29°24	8°D42	28°25	29°37	23° 4	n.a.	S 25
M26	17 51 0	26°50'25	5♐22	7°23	12° 3	28°52	3°36	8° 0	11° 8	29°23	8°42	28°20	29°34	23°10	n.a.	M26
T 27	17 54 56	27°47'42	18° 9	8°37	13° 6	29°32	3°39	7°56	11°11	29°21	8°42	28°15	29°31	23°17	n.a.	T 27
W28	17 58 53	28°45'01	0♑43	9°57	14° 9	0♉12	3°43	7°52	11°15	29°20	8°42	28°11	29°28	23°24	n.a.	W28
T 29	18 2 49	29°42'21	13° 3	11°21	15°12	0°52	3°47	7°48	11°18	29°19	8°43	28° 9	29°25	23°30	n.a.	T 29
F 30	18 6 46	0♋39'42	25♑11	12♊50	16♉16	1♉32	3♎51	7♐44	11♊22	29♏17	8♎43	28°D 8	29♑22	23♒37	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 2	25s49	2s 8	17n28	3s50	4n23	2s49	3n36	1s10	0n 6	1n26	21s 7	1n 6	22n18	0n 6	19s 0	1n27	11n18	16n13	20s33	20s13	13s15		n.a.
F 2	21 13	23 45	1 6	17 11	4 0	4 42	2 51	3 53	1 10	0 6	1 26	21 7	1 6	22 18	0 6	19 0	1 27	11 18	16 13	20 34	20 14	13 12		n.a.
S 3	21 24	20 39	0 2	16 56	4 9	5 1	2 53	4 10	1 9	0 6	1 26	21 6	1 6	22 19	0 6	19 0	1 27	11 18	16 12	20 34	20 15	13 9		n.a.
S 4	21 34	16 43	1n 2	16 43	4 16	5 20	2 54	4 27	1 9	0 6	1 26	21 6	1 6	22 19	0 6	18 59	1 27	11 18	16 12	20 34	20 15	13 6		n.a.
M 5	21 44	12 11	2 3	16 31	4 21	5 40	2 56	4 44	1 9	0 5	1 25	21 5	1 6	22 20	0 6	18 59	1 27	11 18	16 11	20 33	20 16	13 3		n.a.
T 6	21 54	7 12	2 58	16 21	4 25	5 59	2 57	5 0	1 8	0 5	1 25	21 5	1 6	22 20	0 7	18 59	1 27	11 17	16 11	20 33	20 17	13 0		n.a.
W 7	22 3	1 55	3 46	16 13	4 28	6 19	2 58	5 17	1 8	0 5	1 25	21 4	1 6	22 21	0 7	18 58	1 27	11 17	16 10	20 33	20 18	12 57		n.a.
T 8	22 12	3n29	4 25	16 7	4 28	6 39	2 59	5 34	1 7	0 4	1 24	21 3	1 6	22 21	0 7	18 58	1 27	11 17	16 10	20 34	20 18	12 54		n.a.
F 9	22 20	8 52	4 53	16 3	4 28	7 0	3 0	5 50	1 7	0 4	1 24	21 3	1 5	22 22	0 7	18 58	1 27	11 17	16 9	20 34	20 19	12 51		n.a.
S 10	22 28	14 1	5 7	16 1	4 26	7 20	3 1	6 7	1 7	0 3	1 24	21 2	1 5	22 23	0 7	18 58	1 27	11 16	16 9	20 36	20 20	12 49		n.a.
S 11	22 36	18 42	5 6	16 2	4 23	7 41	3 1	6 23	1 6	0 3	1 23	21 2	1 5	22 23	0 7	18 57	1 27	11 16	16 8	20 37	20 20	12 46		n.a.
M12	22 43	22 35	4 48	16 5	4 18	8 1	3 2	6 39	1 6	0 2	1 23	21 1	1 5	22 24	0 7	18 57	1 27	11 16	16 8	20 39	20 21	12 43		n.a.
T 13	22 50	25 19	4 13	16 11	4 12	8 22	3 2	6 55	1 5	0 1	1 23	21 0	1 5	22 24	0 7	18 57	1 27	11 15	16 7	20 40	20 22	12 40		n.a.
W14	22 57	26 33	3 23	16 18	4 5	8 43	3 2	7 12	1 5	0 1	1 22	21 0	1 5	22 25	0 7	18 56	1 27	11 15	16 6	20 41	20 22	12 37		n.a.
T 15	23 3	26 3	2 19	16 28	3 57	9 4	3 2	7 28	1 4	0s 0	1 22	20 59	1 5	22 25	0 7	18 56	1 27	11 15	16 6	20 42	20 23	12 34		n.a.
F 16	23 8	23 48	1 5	16 40	3 48	9 25	3 2	7 44	1 4	0 1	1 22	20 59	1 5	22 26	0 7	18 56	1 27	11 14	16 5	20 43	20 24	12 31		n.a.
S 17	23 14	19 59	0s13	16 54	3 38	9 46	3 2	7 59	1 3	0 2	1 22	20 58	1 5	22 26	0 7	18 55	1 26	11 14	16 5	20 43	20 24	12 28		n.a.
S 18	23 19	14 59	1 30	17 10	3 27	10 7	3 1	8 15	1 3	0 3	1 21	20 58	1 5	22 27	0 7	18 55	1 26	11 14	16 4	20 43	20 25	12 25		n.a.
M19	23 23	9 10	2 42	17 28	3 16	10 28	3 1	8 31	1 2	0 4	1 21	20 57	1 4	22 27	0 7	18 55	1 26	11 13	16 4	20 42	20 26	12 22		n.a.
T 20	23 27	2 57	3 42	17 47	3 4	10 49	3 0	8 47	1 2	0 6	1 21	20 56	1 4	22 28	0 7	18 54	1 26	11 13	16 3	20 42	20 26	12 19		n.a.
W21	23 31	3s20	4 29	18 8	2 51	11 10	3 0	9 2	1 1	0 7	1 20	20 56	1 4	22 28	0 7	18 54	1 26	11 12	16 3	20 42	20 27	12 16		n.a.
T 22	23 34	9 22	4 59	18 30	2 38	11 31	2 59	9 17	1 1	0 8	1 20	20 55	1 4	22 29	0 7	18 54	1 26	11 12	16 2	20 43	20 28	12 13		n.a.
F 23	23 37	14 51	5 11	18 53	2 25	11 51	2 58	9 33	1 0	0 10	1 20	20 55	1 4	22 29	0 7	18 54	1 26	11 11	16 1	20 43	20 29	12 10		n.a.
S 24	23 39	19 33	5 6	19 18	2 11	12 12	2 56	9 48	1 0	0 11	1 19	20 54	1 4	22 30	0 7	18 53	1 26	11 11	16 1	20 44	20 29	12 7		n.a.
S 25	23 41	23 11	4 45	19 43	1 57	12 33	2 55	10 3	0 59	0 13	1 19	20 54	1 4	22 31	0 7	18 53	1 26	11 10	16 0	20 45	20 30	12 4		n.a.
M26	23 43	25 34	4 9	20 8	1 43	12 54	2 54	10 18	0 59	0 15	1 19	20 53	1 4	22 31	0 7	18 53	1 26	11 10	16 0	20 46	20 31	12 1		n.a.
T 27	23 44	26 34	3 22	20 34	1 29	13 14	2 52	10 33	0 58	0 16	1 19	20 53	1 4	22 32	0 7	18 53	1 26	11 9	15 59	20 47	20 31	11 58		n.a.
W28	23 45	26 10	2 25	21 0	1 15	13 35	2 51	10 48	0 58	0 18	1 18	20 52	1 3	22 32	0 7	18 52	1 26	11 9	15 58	20 48	20 32	11 55		n.a.
T 29	23 45	24 28	1 22	21 26	1 1	13 55	2 49	11 2	0 57	0 20	1 18	20 52	1 3	22 33	0 7	18 52	1 26	11 8	15 58	20 48	20 33	11 53		n.a.
F 30	23n45	21s39	0s16	21n52	0s47	14n15	2s48	11n17	0s57	0s22	1n18	20s51	1n 3	22n33	0n 7	18s52	1n26	11n 7	15n57	20s48	20s33	11s50		n.a.

Julian Day Number = 1544062.5, Delta T = 04h35m35s
Ecliptic obliquity = 23°45'19, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'45, Lahiri = -10°39'44 Julian Calendar 1 June 486 BCE == Greg. Calendar 27 May 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

JULY 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 10 43	1♋37'03	7♒10	14♊24	17♉20	2♉12	3♎55	7°R41	11♊25	29°R16	8♎43	28♑ 8	29♑18	23♒44	n.a.	S 1
S 2	18 14 39	2°34'26	19° 2	16° 2	18°25	2°51	4° 0	7♐37	11°29	29♏15	8°43	28° 9	29°15	23°50	n.a.	S 2
M 3	18 18 36	3°31'51	0♓51	17°43	19°29	3°31	4° 4	7°33	11°32	29°13	8°43	28°11	29°12	23°57	n.a.	M 3
T 4	18 22 32	4°29'16	12°40	19°29	20°34	4°10	4° 9	7°29	11°35	29°12	8°44	28°13	29° 9	24° 4	n.a.	T 4
W 5	18 26 29	5°26'43	24°35	21°17	21°39	4°50	4°14	7°26	11°39	29°11	8°44	28°14	29° 6	24°10	n.a.	W 5
T 6	18 30 25	6°24'12	6♈40	23° 9	22°44	5°29	4°19	7°22	11°42	29°10	8°44	28°R14	29° 2	24°17	n.a.	T 6
F 7	18 34 22	7°21'42	19° 0	25° 3	23°49	6° 8	4°24	7°19	11°46	29° 8	8°45	28°14	28°59	24°24	n.a.	F 7
S 8	18 38 18	8°19'13	1♉39	26°59	24°55	6°47	4°29	7°15	11°49	29° 7	8°45	28°13	28°56	24°30	n.a.	S 8
S 9	18 42 15	9°16'46	14°41	28°58	26° 0	7°26	4°35	7°12	11°52	29° 6	8°45	28°10	28°53	24°37	n.a.	S 9
M10	18 46 12	10°14'21	28° 7	0♋57	27° 6	8° 5	4°41	7° 8	11°56	29° 5	8°46	28° 8	28°50	24°44	n.a.	M10
T 11	18 50 8	11°11'57	11♊59	2°58	28°12	8°44	4°46	7° 5	11°59	29° 4	8°46	28° 6	28°47	24°50	n.a.	T 11
W12	18 54 5	12° 9'35	26°14	5° 0	29°19	9°23	4°52	7° 2	12° 2	29° 3	8°47	28° 4	28°43	24°57	n.a.	W12
T 13	18 58 1	13° 7'14	10♋48	7° 3	0♊25	10° 1	4°58	6°59	12° 5	29° 2	8°48	28° 3	28°40	25° 4	n.a.	T 13
F 14	19 1 58	14° 4'55	25°36	9° 5	1°32	10°40	5° 5	6°56	12° 9	29° 1	8°48	28°D 2	28°37	25°10	n.a.	F 14
S 15	19 5 54	15° 2'37	10♌28	11° 7	2°39	11°18	5°11	6°53	12°12	29° 0	8°49	28° 2	28°34	25°17	n.a.	S 15
S 16	19 9 51	16° 0'20	25°19	13°10	3°46	11°56	5°18	6°50	12°15	28°59	8°50	28° 3	28°31	25°24	n.a.	S 16
M17	19 13 47	16°58'04	10♍ 2	15°11	4°53	12°34	5°24	6°47	12°18	28°58	8°50	28° 4	28°28	25°30	n.a.	M17
T 18	19 17 44	17°55'50	24°30	17°12	6° 0	13°12	5°31	6°44	12°21	28°57	8°51	28° 5	28°24	25°37	n.a.	T 18
W19	19 21 41	18°53'37	8♎40	19°12	7° 7	13°50	5°38	6°42	12°24	28°56	8°52	28° 5	28°21	25°44	n.a.	W19
T 20	19 25 37	19°51'25	22°32	21°11	8°15	14°28	5°45	6°39	12°27	28°55	8°53	28°R 5	28°18	25°50	n.a.	T 20
F 21	19 29 34	20°49'14	6♏ 4	23° 9	9°23	15° 6	5°52	6°36	12°30	28°54	8°53	28° 5	28°15	25°57	n.a.	F 21
S 22	19 33 30	21°47'05	19°18	25° 6	10°31	15°43	6° 0	6°34	12°33	28°53	8°54	28° 5	28°12	26° 4	n.a.	S 22
S 23	19 37 27	22°44'58	2♐14	27° 2	11°39	16°21	6° 7	6°32	12°36	28°53	8°55	28° 4	28° 8	26°10	n.a.	S 23
M24	19 41 23	23°42'51	14°56	28°57	12°47	16°58	6°15	6°29	12°39	28°52	8°56	28° 3	28° 5	26°17	n.a.	M24
T 25	19 45 20	24°40'47	27°24	0♑50	13°55	17°35	6°23	6°27	12°42	28°51	8°57	28° 3	28° 2	26°24	n.a.	T 25
W26	19 49 16	25°38'43	9♑40	2°42	15° 4	18°12	6°31	6°25	12°45	28°50	8°58	28° 3	27°59	26°30	n.a.	W26
T 27	19 53 13	26°36'42	21°47	4°33	16°12	18°49	6°39	6°23	12°48	28°50	8°59	28° 2	27°56	26°37	n.a.	T 27
F 28	19 57 10	27°34'42	3♒46	6°22	17°21	19°26	6°47	6°21	12°51	28°49	9° 0	28° 2	27°53	26°44	n.a.	F 28
S 29	20 1 6	28°32'44	15°39	8°11	18°30	20° 2	6°55	6°19	12°54	28°49	9° 1	28° 2	27°49	26°50	n.a.	S 29
S 30	20 5 3	29°30'48	27°29	9°58	19°39	20°39	7° 3	6°17	12°56	28°48	9° 3	28° 2	27°46	26°57	n.a.	S 30
M31	20 8 59	0♌28'53	9♓17	11♌43	20♊48	21♉15	7♎12	6♐16	12♊59	28♏47	9♎ 4	28♑ 2	27♑43	27♒ 4	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n45	17s56	0n49	22n17	0s33	14n35	2s46	11n31	0s56	0s24	1n17	20s50	1n 3	22n34	0n 7	18s51	1n26	11n 7	15n57	20s48	20s34	11s47		n.a.
S 2	23 44	13 32	1 53	22 41	0 20	14 55	2 44	11 45	0 55	0 26	1 17	20 50	1 3	22 34	0 7	18 51	1 26	11 6	15 56	20 48	20 35	11 44		n.a.
M 3	23 42	8 40	2 50	23 4	0 7	15 14	2 42	12 0	0 55	0 28	1 17	20 50	1 3	22 34	0 7	18 51	1 26	11 6	15 56	20 48	20 35	11 41		n.a.
T 4	23 41	3 29	3 41	23 25	0n 5	15 34	2 40	12 14	0 54	0 30	1 17	20 49	1 3	22 35	0 7	18 51	1 26	11 5	15 55	20 48	20 36	11 38		n.a.
W 5	23 38	1n50	4 23	23 45	0 17	15 53	2 37	12 28	0 54	0 32	1 16	20 49	1 3	22 35	0 7	18 51	1 26	11 4	15 54	20 47	20 37	11 35		n.a.
T 6	23 36	7 10	4 54	24 3	0 28	16 12	2 35	12 42	0 53	0 35	1 16	20 48	1 2	22 36	0 7	18 50	1 26	11 4	15 54	20 47	20 37	11 32		n.a.
F 7	23 33	12 19	5 12	24 18	0 39	16 30	2 33	12 55	0 52	0 37	1 16	20 48	1 2	22 36	0 7	18 50	1 26	11 3	15 53	20 47	20 38	11 29		n.a.
S 8	23 29	17 7	5 15	24 32	0 49	16 49	2 30	13 9	0 52	0 39	1 15	20 47	1 2	22 37	0 7	18 50	1 26	11 2	15 53	20 48	20 39	11 26		n.a.
S 9	23 26	21 16	5 3	24 43	0 58	17 7	2 28	13 22	0 51	0 42	1 15	20 47	1 2	22 37	0 7	18 50	1 26	11 2	15 52	20 48	20 39	11 23		n.a.
M10	23 21	24 26	4 34	24 51	1 6	17 25	2 25	13 36	0 50	0 44	1 15	20 46	1 2	22 38	0 7	18 49	1 26	11 1	15 51	20 48	20 40	11 20		n.a.
T 11	23 17	26 17	3 48	24 57	1 14	17 42	2 23	13 49	0 50	0 47	1 15	20 46	1 2	22 38	0 7	18 49	1 26	11 0	15 51	20 49	20 41	11 17		n.a.
W12	23 11	26 29	2 47	25 0	1 21	17 59	2 20	14 2	0 49	0 50	1 14	20 46	1 2	22 39	0 7	18 49	1 26	10 59	15 50	20 49	20 41	11 14		n.a.
T 13	23 6	24 52	1 34	25 1	1 27	18 16	2 17	14 15	0 48	0 52	1 14	20 45	1 1	22 39	0 7	18 49	1 26	10 59	15 50	20 50	20 42	11 11		n.a.
F 14	23 0	21 31	0 14	24 58	1 32	18 33	2 14	14 28	0 48	0 55	1 14	20 45	1 1	22 40	0 7	18 49	1 26	10 58	15 49	20 50	20 43	11 8		n.a.
S 15	22 54	16 45	1s 8	24 53	1 36	18 49	2 12	14 40	0 47	0 58	1 13	20 44	1 1	22 40	0 7	18 49	1 26	10 57	15 49	20 50	20 43	11 5		n.a.
S 16	22 47	10 58	2 26	24 45	1 40	19 5	2 9	14 53	0 46	1 1	1 13	20 44	1 1	22 40	0 7	18 48	1 25	10 56	15 48	20 49	20 44	11 2		n.a.
M17	22 40	4 38	3 32	24 35	1 43	19 20	2 6	15 5	0 46	1 4	1 13	20 44	1 1	22 41	0 7	18 48	1 25	10 55	15 47	20 49	20 44	10 59		n.a.
T 18	22 32	1s49	4 24	24 22	1 45	19 35	2 3	15 18	0 45	1 7	1 13	20 43	1 1	22 41	0 7	18 48	1 25	10 55	15 47	20 49	20 45	10 56		n.a.
W19	22 24	8 3	4 59	24 7	1 47	19 49	1 59	15 30	0 44	1 10	1 12	20 43	1 1	22 42	0 7	18 48	1 25	10 54	15 46	20 49	20 46	10 53		n.a.
T 20	22 16	13 45	5 16	23 50	1 47	20 3	1 56	15 42	0 43	1 13	1 12	20 43	1 0	22 42	0 7	18 48	1 25	10 53	15 46	20 49	20 46	10 50		n.a.
F 21	22 7	18 39	5 14	23 30	1 47	20 17	1 53	15 54	0 43	1 16	1 12	20 43	1 0	22 43	0 7	18 48	1 25	10 52	15 45	20 49	20 47	10 47		n.a.
S 22	21 58	22 31	4 56	23 9	1 47	20 30	1 50	16 6	0 42	1 19	1 12	20 42	1 0	22 43	0 7	18 47	1 25	10 51	15 45	20 49	20 48	10 44		n.a.
S 23	21 48	25 10	4 23	22 45	1 46	20 43	1 47	16 17	0 41	1 22	1 11	20 42	1 0	22 43	0 7	18 47	1 25	10 50	15 44	20 49	20 48	10 41		n.a.
M24	21 39	26 29	3 37	22 20	1 44	20 55	1 43	16 29	0 40	1 26	1 11	20 42	1 0	22 44	0 7	18 47	1 25	10 50	15 43	20 49	20 49	10 38		n.a.
T 25	21 28	26 26	2 42	21 54	1 42	21 7	1 40	16 40	0 40	1 29	1 11	20 42	1 0	22 44	0 7	18 47	1 25	10 49	15 43	20 50	20 50	10 35		n.a.
W26	21 18	25 4	1 40	21 26	1 40	21 18	1 37	16 51	0 39	1 32	1 11	20 41	0 59	22 45	0 7	18 47	1 25	10 48	15 42	20 50	20 50	10 32		n.a.
T 27	21 7	22 32	0 35	20 56	1 37	21 29	1 33	17 2	0 38	1 36	1 10	20 41	0 59	22 45	0 7	18 47	1 25	10 47	15 42	20 50	20 51	10 29		n.a.
F 28	20 55	19 3	0n32	20 26	1 33	21 39	1 30	17 13	0 37	1 39	1 10	20 41	0 59	22 45	0 7	18 47	1 25	10 46	15 41	20 50	20 52	10 26		n.a.
S 29	20 43	14 49	1 36	19 54	1 29	21 49	1 26	17 24	0 36	1 43	1 10	20 41	0 59	22 46	0 7	18 47	1 25	10 45	15 41	20 50	20 52	10 23		n.a.
S 30	20 31	10 4	2 36	19 21	1 25	21 58	1 23	17 35	0 36	1 46	1 10	20 41	0 59	22 46	0 7	18 47	1 25	10 44	15 40	20 50	20 53	10 20		n.a.
M31	20n19	4s57	3n30	18n47	1n20	22n 7	1s20	17n45	0s35	1s50	1n 9	20s41	0n59	22n46	0n 7	18s47	1n25	10n43	15n40	20s50	20s54	10s17		n.a.

Julian Day Number = 1544092.5, Delta T = 04h35m34s
Ecliptic obliquity = 23°45'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'41, Lahiri = -10°39'40 Julian Calendar 1 July 486 BCE == Greg. Calendar 26 June 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

AUGUST 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 12 56	1♌27'01	21♓ 8	13♌28	21♊58	21♉52	7♎20	6°R14	13♊ 2	28°R47	9♎ 5	28°R 2	27♑40	27♒10	n.a.	T 1
W 2	20 16 52	2°25'10	3♈ 3	15°11	23° 7	22°28	7°29	6♐13	13° 4	28♏46	9° 6	28♑ 1	27°37	27°17	n.a.	W 2
T 3	20 20 49	3°23'22	15° 8	16°53	24°17	23° 4	7°38	6°11	13° 7	28°46	9° 7	28° 1	27°34	27°24	n.a.	T 3
F 4	20 24 45	4°21'36	27°26	18°34	25°27	23°39	7°47	6°10	13°10	28°45	9° 9	28° 1	27°30	27°30	n.a.	F 4
S 5	20 28 42	5°19'52	10♉ 2	20°13	26°36	24°15	7°56	6° 9	13°12	28°45	9°10	28°D 1	27°27	27°37	n.a.	S 5
S 6	20 32 39	6°18'10	22°58	21°52	27°46	24°51	8° 5	6° 7	13°15	28°45	9°11	28° 1	27°24	27°44	n.a.	S 6
M 7	20 36 35	7°16'31	6♊20	23°29	28°56	25°26	8°14	6° 6	13°17	28°44	9°13	28° 1	27°21	27°50	n.a.	M 7
T 8	20 40 32	8°14'54	20° 7	25° 5	0♋ 7	26° 1	8°24	6° 5	13°20	28°44	9°14	28° 2	27°18	27°57	n.a.	T 8
W 9	20 44 28	9°13'19	4♋22	26°40	1°17	26°37	8°33	6° 5	13°22	28°44	9°16	28° 3	27°14	28° 4	n.a.	W 9
T 10	20 48 25	10°11'46	19° 0	28°14	2°27	27°12	8°43	6° 4	13°24	28°43	9°17	28° 4	27°11	28°10	n.a.	T 10
F 11	20 52 21	11°10'15	3♌57	29°47	3°38	27°46	8°53	6° 3	13°27	28°43	9°19	28°R 4	27° 8	28°17	n.a.	F 11
S 12	20 56 18	12° 8'47	19° 5	1♍18	4°49	28°21	9° 2	6° 3	13°29	28°43	9°20	28° 3	27° 5	28°24	n.a.	S 12
S 13	21 0 14	13° 7'20	4♍15	2°49	5°59	28°56	9°12	6° 2	13°31	28°43	9°22	28° 2	27° 2	28°30	n.a.	S 13
M14	21 4 11	14° 5'55	19°18	4°18	7°10	29°30	9°22	6° 2	13°33	28°43	9°23	28° 0	26°59	28°37	n.a.	M14
T 15	21 8 8	15° 4'32	4♎ 4	5°46	8°21	0♊ 4	9°32	6° 1	13°36	28°43	9°25	27°58	26°55	28°44	n.a.	T 15
W16	21 12 4	16° 3'10	18°29	7°13	9°32	0°38	9°43	6° 1	13°38	28°43	9°26	27°56	26°52	28°50	n.a.	W16
T 17	21 16 1	17° 1'51	2♏29	8°39	10°44	1°12	9°53	6°D 1	13°40	28°D43	9°28	27°55	26°49	28°57	n.a.	T 17
F 18	21 19 57	18° 0'33	16° 2	10° 4	11°55	1°46	10° 3	6° 1	13°42	28°43	9°30	27°D54	26°46	29° 4	n.a.	F 18
S 19	21 23 54	18°59'17	29°11	11°27	13° 6	2°19	10°14	6° 1	13°44	28°43	9°32	27°54	26°43	29°10	n.a.	S 19
S 20	21 27 50	19°58'03	11♐59	12°50	14°18	2°52	10°24	6° 2	13°46	28°43	9°33	27°55	26°40	29°17	n.a.	S 20
M21	21 31 47	20°56'51	24°28	14°11	15°29	3°25	10°35	6° 2	13°48	28°43	9°35	27°57	26°36	29°24	n.a.	M21
T 22	21 35 43	21°55'41	6♑43	15°30	16°41	3°58	10°46	6° 2	13°49	28°43	9°37	27°59	26°33	29°30	n.a.	T 22
W23	21 39 40	22°54'33	18°47	16°49	17°53	4°31	10°57	6° 3	13°51	28°43	9°39	28° 0	26°30	29°37	n.a.	W23
T 24	21 43 37	23°53'26	0♒44	18° 5	19° 5	5° 4	11° 8	6° 3	13°53	28°43	9°40	28°R 0	26°27	29°44	n.a.	T 24
F 25	21 47 33	24°52'22	12°35	19°21	20°17	5°36	11°19	6° 4	13°55	28°44	9°42	27°59	26°24	29°50	n.a.	F 25
S 26	21 51 30	25°51'20	24°25	20°35	21°29	6° 8	11°30	6° 5	13°56	28°44	9°44	27°57	26°20	29°57	n.a.	S 26
S 27	21 55 26	26°50'19	6♓14	21°47	22°41	6°40	11°41	6° 6	13°58	28°44	9°46	27°53	26°17	0♓ 4	n.a.	S 27
M28	21 59 23	27°49'21	18° 5	22°57	23°53	7°12	11°52	6° 7	14° 0	28°44	9°48	27°48	26°14	0°10	n.a.	M28
T 29	22 3 19	28°48'25	29°59	24° 6	25° 5	7°44	12° 3	6° 8	14° 1	28°45	9°50	27°43	26°11	0°17	n.a.	T 29
W30	22 7 16	29°47'32	12♈ 0	25°13	26°18	8°15	12°15	6° 9	14° 3	28°45	9°52	27°37	26° 8	0°24	n.a.	W30
T 31	22 11 12	0♍46'41	24♈ 8	26♍17	27♋30	8♊46	12♎26	6♐10	14♊ 4	28♏46	9♎54	27♑32	26♑ 5	0♓30	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	20n 6	0n19	4n14	18n12	1n15	22n15	1s16	17n55	0s34	1s53	1n 9	20s40	0n58	22n47	0n 7	18s46	1n25	10n42	15n39	20s50	20s54	10s14			n.a.
W 2	19 53	5 37	4 48	17 37	1 10	22 22	1 13	18 6	0 33	1 57	1 9	20 40	0 58	22 47	0 7	18 46	1 25	10 41	15 39	20 50	20 55	10 11			n.a.
T 3	19 39	10 47	5 9	17 0	1 4	22 29	1 9	18 16	0 32	2 1	1 9	20 40	0 58	22 47	0 7	18 46	1 25	10 40	15 38	20 50	20 55	10 8			n.a.
F 4	19 25	15 37	5 17	16 23	0 59	22 35	1 5	18 26	0 31	2 5	1 9	20 40	0 58	22 48	0 7	18 46	1 25	10 39	15 38	20 50	20 56	10 5			n.a.
S 5	19 11	19 55	5 10	15 46	0 53	22 41	1 2	18 35	0 31	2 9	1 8	20 40	0 58	22 48	0 7	18 46	1 24	10 38	15 37	20 50	20 57	10 2			n.a.
S 6	18 57	23 24	4 48	15 8	0 46	22 46	0 58	18 45	0 30	2 12	1 8	20 40	0 58	22 49	0 7	18 46	1 24	10 37	15 37	20 50	20 57	9 59			n.a.
M 7	18 42	25 44	4 9	14 29	0 40	22 50	0 55	18 54	0 29	2 16	1 8	20 40	0 57	22 49	0 7	18 46	1 24	10 36	15 36	20 50	20 58	9 56			n.a.
T 8	18 27	26 38	3 15	13 51	0 33	22 54	0 51	19 4	0 28	2 20	1 8	20 40	0 57	22 49	0 7	18 46	1 24	10 35	15 36	20 50	20 59	9 53			n.a.
W 9	18 11	25 49	2 8	13 12	0 26	22 57	0 48	19 13	0 27	2 24	1 7	20 40	0 57	22 49	0 7	18 46	1 24	10 34	15 35	20 49	20 59	9 50			n.a.
T 10	17 55	23 13	0 50	12 32	0 19	23 0	0 44	19 22	0 26	2 28	1 7	20 40	0 57	22 50	0 7	18 46	1 24	10 33	15 35	20 49	21 0	9 47			n.a.
F 11	17 39	19 0	0s33	11 53	0 12	23 2	0 41	19 31	0 25	2 32	1 7	20 40	0 57	22 50	0 7	18 46	1 24	10 32	15 34	20 49	21 0	9 44			n.a.
S 12	17 23	13 30	1 54	11 13	0 4	23 3	0 37	19 40	0 24	2 36	1 7	20 40	0 57	22 50	0 7	18 46	1 24	10 31	15 34	20 49	21 1	9 41			n.a.
S 13	17 6	7 10	3 7	10 33	0s 3	23 3	0 34	19 48	0 23	2 41	1 7	20 40	0 56	22 51	0 7	18 46	1 24	10 30	15 33	20 50	21 2	9 38			n.a.
M14	16 49	0 31	4 7	9 54	0 11	23 3	0 30	19 57	0 22	2 45	1 6	20 40	0 56	22 51	0 7	18 46	1 24	10 29	15 33	20 50	21 2	9 35			n.a.
T 15	16 32	6s 3	4 49	9 14	0 19	23 3	0 27	20 5	0 21	2 49	1 6	20 41	0 56	22 51	0 7	18 46	1 24	10 28	15 32	20 51	21 3	9 32			n.a.
W16	16 14	12 7	5 12	8 34	0 26	23 1	0 23	20 13	0 20	2 53	1 6	20 41	0 56	22 52	0 7	18 46	1 24	10 27	15 32	20 51	21 4	9 29			n.a.
T 17	15 56	17 24	5 15	7 54	0 34	22 59	0 20	20 21	0 19	2 57	1 6	20 41	0 56	22 52	0 7	18 46	1 24	10 26	15 31	20 51	21 4	9 26			n.a.
F 18	15 38	21 38	5 0	7 15	0 42	22 56	0 16	20 29	0 18	3 2	1 6	20 41	0 56	22 52	0 7	18 46	1 24	10 25	15 31	20 51	21 5	9 22			n.a.
S 19	15 20	24 38	4 30	6 35	0 50	22 53	0 13	20 37	0 17	3 6	1 5	20 41	0 55	22 52	0 7	18 47	1 24	10 24	15 30	20 51	21 5	9 19			n.a.
S 20	15 1	26 17	3 47	5 56	0 58	22 49	0 10	20 45	0 16	3 10	1 5	20 41	0 55	22 53	0 7	18 47	1 24	10 23	15 30	20 51	21 6	9 16			n.a.
M21	14 42	26 33	2 54	5 17	1 6	22 44	0 6	20 52	0 15	3 15	1 5	20 42	0 55	22 53	0 7	18 47	1 24	10 22	15 29	20 51	21 7	9 13			n.a.
T 22	14 23	25 29	1 55	4 39	1 14	22 39	0 3	20 59	0 14	3 19	1 5	20 42	0 55	22 53	0 7	18 47	1 24	10 20	15 29	20 50	21 7	9 10			n.a.
W23	14 4	23 15	0 51	4 1	1 22	22 33	0n 0	21 6	0 13	3 24	1 5	20 42	0 55	22 53	0 7	18 47	1 23	10 19	15 29	20 50	21 8	9 7			n.a.
T 24	13 44	20 1	0n15	3 23	1 30	22 26	0 4	21 14	0 12	3 28	1 5	20 42	0 55	22 54	0 8	18 47	1 23	10 18	15 28	20 50	21 8	9 4			n.a.
F 25	13 24	15 59	1 19	2 46	1 38	22 19	0 7	21 20	0 11	3 33	1 4	20 43	0 54	22 54	0 8	18 47	1 23	10 17	15 28	20 50	21 9	9 1			n.a.
S 26	13 4	11 22	2 20	2 10	1 46	22 11	0 10	21 27	0 10	3 37	1 4	20 43	0 54	22 54	0 8	18 47	1 23	10 16	15 27	20 51	21 10	8 58			n.a.
S 27	12 44	6 20	3 14	1 34	1 54	22 2	0 13	21 34	0 9	3 42	1 4	20 43	0 54	22 54	0 8	18 47	1 23	10 15	15 27	20 52	21 10	8 55			n.a.
M28	12 23	1 5	4 0	0 59	2 1	21 53	0 16	21 40	0 8	3 46	1 4	20 44	0 54	22 54	0 8	18 47	1 23	10 14	15 27	20 52	21 11	8 52			n.a.
T 29	12 3	4n13	4 36	0 24	2 9	21 43	0 19	21 47	0 7	3 51	1 4	20 44	0 54	22 55	0 8	18 48	1 23	10 13	15 26	20 54	21 12	8 49			n.a.
W30	11 42	9 24	5 0	0s 9	2 16	21 32	0 23	21 53	0 5	3 56	1 3	20 44	0 54	22 55	0 8	18 48	1 23	10 12	15 26	20 55	21 12	8 46			n.a.
T 31	11n21	14n17	5n11	0s42	2s23	21n21	0n25	21n59	0s 4	4s 0	1n 3	20s45	0n53	22n55	0n 8	18s48	1n23	10n11	15n25	20s56	21s13	8s43			n.a.

Julian Day Number = 1544123.5, Delta T = 04h35m32s
Ecliptic obliquity = 23°45'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'36, Lahiri = -10°39'36 Julian Calendar 1 Aug. 486 BCE == Greg. Calendar 27 July 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

SEPTEMBER 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 15 9	1♍45'52	6♉28	27♍19	28♋43	9♊17	12♎38	6♐12	14♊ 5	28♏46	9♎56	27°R28	26♑ 1	0♓37	n.a.	F 1
S 2	22 19 5	2°45'05	19° 2	28°19	29°55	9°48	12°49	6°13	14° 7	28°47	9°58	27♑25	25°58	0°44	n.a.	S 2
S 3	22 23 2	3°44'22	1♊54	29°16	1♌ 8	10°19	13° 1	6°15	14° 8	28°47	10° 0	27°D24	25°55	0°50	n.a.	S 3
M 4	22 26 59	4°43'40	15° 7	0♎10	2°21	10°49	13°13	6°17	14° 9	28°48	10° 2	27°25	25°52	0°57	n.a.	M 4
T 5	22 30 55	5°43'01	28°44	1° 1	3°34	11°19	13°25	6°18	14°10	28°48	10° 4	27°26	25°49	1° 4	n.a.	T 5
W 6	22 34 52	6°42'25	12♋47	1°48	4°47	11°49	13°36	6°20	14°11	28°49	10° 6	27°27	25°46	1°10	n.a.	W 6
T 7	22 38 48	7°41'51	27°15	2°32	6° 0	12°18	13°48	6°22	14°12	28°50	10° 8	27°R28	25°42	1°17	n.a.	T 7
F 8	22 42 45	8°41'19	12♌ 6	3°11	7°13	12°48	14° 0	6°24	14°14	28°50	10°11	27°27	25°39	1°24	n.a.	F 8
S 9	22 46 41	9°40'50	27°14	3°46	8°26	13°17	14°12	6°26	14°14	28°51	10°13	27°24	25°36	1°30	n.a.	S 9
S 10	22 50 38	10°40'23	12♍29	4°16	9°40	13°46	14°25	6°29	14°15	28°52	10°15	27°20	25°33	1°37	n.a.	S 10
M11	22 54 34	11°39'57	27°42	4°40	10°53	14°14	14°37	6°31	14°16	28°53	10°17	27°13	25°30	1°44	n.a.	M11
T 12	22 58 31	12°39'34	12♎41	4°59	12° 7	14°43	14°49	6°33	14°17	28°53	10°19	27° 6	25°26	1°50	n.a.	T 12
W13	23 2 28	13°39'13	27°19	5°10	13°20	15°11	15° 1	6°36	14°18	28°54	10°22	26°59	25°23	1°57	n.a.	W13
T 14	23 6 24	14°38'54	11♏30	5°R15	14°34	15°39	15°14	6°39	14°18	28°55	10°24	26°54	25°20	2° 4	n.a.	T 14
F 15	23 10 21	15°38'37	25°11	5°13	15°47	16° 6	15°26	6°41	14°19	28°56	10°26	26°49	25°17	2°10	n.a.	F 15
S 16	23 14 17	16°38'21	8♐24	5° 2	17° 1	16°33	15°39	6°44	14°20	28°57	10°28	26°47	25°14	2°17	n.a.	S 16
S 17	23 18 14	17°38'08	21°11	4°43	18°15	17° 0	15°51	6°47	14°20	28°58	10°31	26°D47	25°11	2°24	n.a.	S 17
M18	23 22 10	18°37'56	3♑37	4°16	19°29	17°27	16° 4	6°50	14°21	28°59	10°33	26°48	25° 7	2°30	n.a.	M18
T 19	23 26 7	19°37'46	15°46	3°39	20°42	17°53	16°16	6°53	14°21	29° 0	10°35	26°49	25° 4	2°37	n.a.	T 19
W20	23 30 3	20°37'38	27°44	2°54	21°56	18°19	16°29	6°56	14°21	29° 1	10°37	26°R50	25° 1	2°44	n.a.	W20
T 21	23 34 0	21°37'32	9♒35	2° 0	23°10	18°45	16°42	7° 0	14°22	29° 2	10°40	26°49	24°58	2°50	n.a.	T 21
F 22	23 37 56	22°37'27	21°23	0°59	24°24	19°10	16°54	7° 3	14°22	29° 3	10°42	26°45	24°55	2°57	n.a.	F 22
S 23	23 41 53	23°37'25	3♓12	29♍52	25°38	19°35	17° 7	7° 6	14°22	29° 5	10°44	26°40	24°51	3° 4	n.a.	S 23
S 24	23 45 50	24°37'24	15° 3	28°39	26°53	20° 0	17°20	7°10	14°22	29° 6	10°47	26°31	24°48	3°10	n.a.	S 24
M25	23 49 46	25°37'25	27° 0	27°23	28° 7	20°24	17°33	7°13	14°23	29° 7	10°49	26°21	24°45	3°17	n.a.	M25
T 26	23 53 43	26°37'28	9♈ 3	26° 6	29°21	20°48	17°46	7°17	14°R23	29° 8	10°52	26°10	24°42	3°24	n.a.	T 26
W27	23 57 39	27°37'34	21°13	24°51	0♍35	21°12	17°59	7°21	14°23	29°10	10°54	25°58	24°39	3°30	n.a.	W27
T 28	0 1 36	28°37'41	3♉32	23°39	1°50	21°35	18°12	7°25	14°23	29°11	10°56	25°46	24°36	3°37	n.a.	T 28
F 29	0 5 32	29°37'51	16° 1	22°33	3° 4	21°58	18°25	7°29	14°22	29°12	10°59	25°37	24°32	3°44	n.a.	F 29
S 30	0 9 29	0♎38'03	28♉41	21♍35	4♍19	22♊21	18♎38	7♐33	14♊22	29♏14	11♎ 1	25♑30	24♑29	3♓51	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n59	18n41	5n 8	1s13	2s30	21n 9	0n28	22n 5	0s 3	4s 5	1n 3	20s45	0n53	22n55	0n 8	18s48	1n23	10n 9	15n25	20s57	21s13	8s40		n.a.
S 2	10 38	22 21	4 50	1 43	2 37	20 57	0 31	22 11	0 2	4 10	1 3	20 46	0 53	22 55	0 8	18 48	1 23	10 8	15 25	20 57	21 14	8 37		n.a.
S 3	10 16	25 1	4 17	2 12	2 44	20 43	0 34	22 17	0 1	4 15	1 3	20 46	0 53	22 55	0 8	18 48	1 23	10 7	15 24	20 57	21 15	8 34		n.a.
M 4	9 54	26 23	3 30	2 40	2 50	20 30	0 37	22 22	0n 0	4 19	1 3	20 47	0 53	22 56	0 8	18 49	1 23	10 6	15 24	20 57	21 15	8 31		n.a.
T 5	9 32	26 15	2 30	3 5	2 56	20 15	0 40	22 28	0 2	4 24	1 2	20 47	0 53	22 56	0 8	18 49	1 23	10 5	15 24	20 57	21 16	8 28		n.a.
W 6	9 10	24 27	1 19	3 30	3 1	20 0	0 42	22 33	0 3	4 29	1 2	20 47	0 52	22 56	0 8	18 49	1 23	10 4	15 23	20 57	21 16	8 25		n.a.
T 7	8 48	21 0	0 1	3 52	3 6	19 45	0 45	22 38	0 4	4 34	1 2	20 48	0 52	22 56	0 8	18 49	1 23	10 3	15 23	20 57	21 17	8 22		n.a.
F 8	8 25	16 8	1s19	4 12	3 11	19 29	0 48	22 43	0 5	4 39	1 2	20 48	0 52	22 56	0 8	18 49	1 23	10 2	15 23	20 57	21 18	8 19		n.a.
S 9	8 2	10 11	2 34	4 29	3 15	19 12	0 50	22 48	0 7	4 44	1 2	20 49	0 52	22 56	0 8	18 50	1 23	10 0	15 22	20 57	21 18	8 16		n.a.
S 10	7 40	3 35	3 39	4 44	3 18	18 55	0 53	22 53	0 8	4 48	1 2	20 50	0 52	22 56	0 8	18 50	1 22	9 59	15 22	20 58	21 19	8 12		n.a.
M11	7 17	3s10	4 29	4 56	3 20	18 37	0 55	22 58	0 9	4 53	1 2	20 50	0 52	22 57	0 8	18 50	1 22	9 58	15 22	20 59	21 19	8 9		n.a.
T 12	6 54	9 39	4 59	5 5	3 22	18 18	0 57	23 2	0 11	4 58	1 1	20 51	0 51	22 57	0 8	18 50	1 22	9 57	15 22	21 1	21 20	8 6		n.a.
W13	6 31	15 26	5 8	5 11	3 23	17 59	1 0	23 7	0 12	5 3	1 1	20 51	0 51	22 57	0 8	18 50	1 22	9 56	15 21	21 2	21 20	8 3		n.a.
T 14	6 7	20 12	4 58	5 12	3 22	17 40	1 2	23 11	0 13	5 8	1 1	20 52	0 51	22 57	0 8	18 51	1 22	9 55	15 21	21 3	21 21	8 0		n.a.
F 15	5 44	23 42	4 32	5 9	3 21	17 20	1 4	23 16	0 15	5 13	1 1	20 53	0 51	22 57	0 8	18 51	1 22	9 54	15 21	21 4	21 22	7 57		n.a.
S 16	5 20	25 48	3 51	5 2	3 17	16 59	1 6	23 20	0 16	5 18	1 1	20 53	0 51	22 57	0 8	18 51	1 22	9 53	15 20	21 5	21 22	7 54		n.a.
S 17	4 57	26 27	3 0	4 51	3 13	16 38	1 8	23 24	0 17	5 23	1 1	20 54	0 51	22 57	0 8	18 51	1 22	9 52	15 20	21 5	21 23	7 51		n.a.
M18	4 33	25 44	2 2	4 34	3 7	16 17	1 10	23 28	0 19	5 28	1 1	20 54	0 51	22 57	0 8	18 52	1 22	9 50	15 20	21 4	21 23	7 48		n.a.
T 19	4 10	23 47	0 59	4 12	2 59	15 55	1 12	23 32	0 20	5 33	1 1	20 55	0 50	22 57	0 8	18 52	1 22	9 49	15 20	21 4	21 24	7 45		n.a.
W20	3 46	20 49	0n 5	3 45	2 49	15 32	1 14	23 36	0 22	5 38	1 0	20 56	0 50	22 57	0 8	18 52	1 22	9 48	15 20	21 4	21 25	7 42		n.a.
T 21	3 22	17 0	1 8	3 12	2 37	15 10	1 16	23 39	0 23	5 43	1 0	20 57	0 50	22 57	0 8	18 53	1 22	9 47	15 19	21 4	21 25	7 39		n.a.
F 22	2 58	12 33	2 8	2 35	2 24	14 46	1 17	23 43	0 25	5 48	1 0	20 57	0 50	22 57	0 8	18 53	1 22	9 46	15 19	21 5	21 26	7 36		n.a.
S 23	2 34	7 38	3 2	1 54	2 8	14 23	1 19	23 47	0 26	5 53	1 0	20 58	0 50	22 58	0 8	18 53	1 22	9 45	15 19	21 6	21 26	7 33		n.a.
S 24	2 10	2 28	3 48	1 9	1 51	13 58	1 20	23 50	0 28	5 58	1 0	20 59	0 50	22 58	0 8	18 54	1 22	9 44	15 19	21 8	21 27	7 30		n.a.
M25	1 46	2n50	4 25	0 21	1 32	13 34	1 22	23 53	0 29	6 3	1 0	20 59	0 49	22 58	0 8	18 54	1 22	9 43	15 19	21 10	21 27	7 27		n.a.
T 26	1 22	8 4	4 50	0n28	1 13	13 9	1 23	23 57	0 31	6 8	1 0	21 0	0 49	22 58	0 8	18 54	1 22	9 42	15 18	21 12	21 28	7 24		n.a.
W27	0 57	13 2	5 2	1 17	0 52	12 43	1 25	24 0	0 33	6 14	1 0	21 1	0 49	22 58	0 8	18 54	1 22	9 41	15 18	21 14	21 29	7 20		n.a.
T 28	0 33	17 33	5 0	2 4	0 32	12 18	1 26	24 3	0 34	6 19	0 59	21 2	0 49	22 58	0 8	18 55	1 22	9 40	15 18	21 16	21 29	7 17		n.a.
F 29	0 9	21 23	4 44	2 49	0 11	11 52	1 27	24 6	0 36	6 24	0 59	21 3	0 49	22 58	0 8	18 55	1 21	9 39	15 18	21 18	21 30	7 14		n.a.
S 30	0s15	24n16	4n14	3n31	0n 9	11n25	1n28	24n 9	0n37	6s29	0n59	21s 3	0n49	22n58	0n 8	18s55	1n21	9n38	15n18	21s19	21s30	7s11		n.a.

Julian Day Number = 1544154.5, Delta T = 04h35m31s
Ecliptic obliquity = 23°45'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'32, Lahiri = -10°39'32 Julian Calendar 1 Sept. 486 BCE == Greg. Calendar 27 Aug. 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

OCTOBER 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 13 25	1♎38'16	11♊35	20°R47	5♍33	22♊43	18♎51	7♐37	14°R22	29♏15	11♎ 4	25°R26	24♉26	3♓57	n.a.	S 1
M 2	0 17 22	2°38'33	24°46	20♍ 9	6°48	23° 5	19° 4	7°41	14♊22	29°16	11° 6	25♉24	24°23	4° 4	n.a.	M 2
T 3	0 21 19	3°38'51	8♋14	19°43	8° 2	23°26	19°17	7°45	14°21	29°18	11° 8	25°D24	24°20	4°11	n.a.	T 3
W 4	0 25 15	4°39'11	22° 4	19°28	9°17	23°47	19°30	7°49	14°21	29°19	11°11	25°R24	24°17	4°17	n.a.	W 4
T 5	0 29 12	5°39'34	6♌16	19°D25	10°32	24° 8	19°43	7°54	14°21	29°21	11°13	25°24	24°13	4°24	n.a.	T 5
F 6	0 33 8	6°39'59	20°49	19°34	11°47	24°28	19°57	7°58	14°20	29°22	11°16	25°21	24°10	4°31	n.a.	F 6
S 7	0 37 5	7°40'25	5♍40	19°52	13° 1	24°48	20°10	8° 3	14°20	29°24	11°18	25°16	24° 7	4°37	n.a.	S 7
S 8	0 41 1	8°40'54	20°42	20°21	14°16	25° 7	20°23	8° 7	14°19	29°26	11°21	25° 9	24° 4	4°44	n.a.	S 8
M 9	0 44 58	9°41'24	5♎47	20°58	15°31	25°26	20°36	8°12	14°18	29°27	11°23	24°59	24° 1	4°51	n.a.	M 9
T 10	0 48 54	10°41'56	20°45	21°43	16°46	25°44	20°50	8°17	14°18	29°29	11°25	24°47	23°57	4°57	n.a.	T 10
W11	0 52 51	11°42'30	5♏25	22°36	18° 1	26° 2	21° 3	8°22	14°17	29°30	11°28	24°36	23°54	5° 4	n.a.	W11
T 12	0 56 47	12°43'06	19°41	23°34	19°16	26°19	21°16	8°27	14°16	29°32	11°30	24°26	23°51	5°11	n.a.	T 12
F 13	1 0 44	13°43'43	3♐29	24°38	20°31	26°36	21°30	8°32	14°15	29°34	11°33	24°18	23°48	5°17	n.a.	F 13
S 14	1 4 41	14°44'21	16°48	25°47	21°46	26°52	21°43	8°37	14°14	29°35	11°35	24°12	23°45	5°24	n.a.	S 14
S 15	1 8 37	15°45'01	29°39	27° 0	23° 1	27° 8	21°57	8°42	14°13	29°37	11°38	24°10	23°42	5°31	n.a.	S 15
M16	1 12 34	16°45'42	12♑ 7	28°17	24°16	27°23	22°10	8°47	14°12	29°39	11°40	24° 9	23°38	5°37	n.a.	M16
T 17	1 16 30	17°46'24	24°17	29°36	25°31	27°38	22°23	8°52	14°11	29°41	11°42	24° 9	23°35	5°44	n.a.	T 17
W18	1 20 27	18°47'08	6♒14	0♎58	26°46	27°52	22°37	8°57	14°10	29°43	11°45	24° 8	23°32	5°51	n.a.	W18
T 19	1 24 23	19°47'52	18° 4	2°22	28° 1	28° 6	22°50	9° 3	14° 9	29°44	11°47	24° 7	23°29	5°57	n.a.	T 19
F 20	1 28 20	20°48'38	29°52	3°48	29°16	28°19	23° 4	9° 8	14° 8	29°46	11°50	24° 2	23°26	6° 4	n.a.	F 20
S 21	1 32 17	21°49'25	11♓42	5°15	0♎32	28°31	23°17	9°14	14° 6	29°48	11°52	23°55	23°23	6°11	n.a.	S 21
S 22	1 36 13	22°50'14	23°38	6°44	1°47	28°43	23°31	9°19	14° 5	29°50	11°55	23°45	23°19	6°17	n.a.	S 22
M23	1 40 10	23°51'03	5♈42	8°13	3° 2	28°54	23°44	9°25	14° 4	29°52	11°57	23°32	23°16	6°24	n.a.	M23
T 24	1 44 6	24°51'54	17°56	9°44	4°17	29° 5	23°57	9°30	14° 2	29°54	11°59	23°18	23°13	6°31	n.a.	T 24
W25	1 48 3	25°52'46	0♉20	11°15	5°33	29°15	24°11	9°36	14° 1	29°56	12° 2	23° 4	23°10	6°37	n.a.	W25
T 26	1 51 59	26°53'40	12°55	12°46	6°48	29°25	24°24	9°42	13°59	29°58	12° 4	22°50	23° 7	6°44	n.a.	T 26
F 27	1 55 56	27°54'34	25°41	14°18	8° 3	29°33	24°38	9°48	13°58	29°59	12° 6	22°38	23° 3	6°51	n.a.	F 27
S 28	1 59 52	28°55'31	8♊38	15°51	9°18	29°41	24°51	9°54	13°56	0♐ 2	12° 9	22°29	23° 0	6°58	n.a.	S 28
S 29	2 3 49	29°56'28	21°45	17°24	10°34	29°49	25° 5	9°59	13°55	0° 4	12°11	22°23	22°57	7° 4	n.a.	S 29
M30	2 7 46	0♏57'27	5♋ 4	18°56	11°49	29°55	25°18	10° 5	13°53	0° 6	12°14	22°20	22°54	7°11	n.a.	M30
T 31	2 11 42	1♏58'28	18♋36	20♎30	13♎ 5	0♋ 1	25♎32	10♐11	13♊51	0♐ 8	12♎16	22°D20	22♑51	7♓18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	0s40	25n57	3n31	4n 8	0n28	10n58	1n29	24n12	0n39	6s34	0n59	21s 4	0n49	22n58	0n 8	18s56	1n21	9n36	15n18	21s20	21s31	7s 8			n.a.
M 2	1 4	26 14	2 35	4 39	0 46	10 31	1 30	24 15	0 41	6 39	0 59	21 5	0 48	22 58	0 8	18 56	1 21	9 35	15 18	21 20	21 31	7 5			n.a.
T 3	1 28	24 59	1 30	5 4	1 2	10 4	1 31	24 18	0 43	6 44	0 59	21 6	0 48	22 58	0 8	18 57	1 21	9 34	15 17	21 20	21 32	7 2			n.a.
W 4	1 52	22 13	0 18	5 23	1 16	9 36	1 32	24 21	0 44	6 49	0 59	21 7	0 48	22 58	0 8	18 57	1 21	9 33	15 17	21 20	21 33	6 59			n.a.
T 5	2 17	18 2	0s57	5 36	1 29	9 8	1 32	24 23	0 46	6 55	0 59	21 8	0 48	22 58	0 8	18 57	1 21	9 32	15 17	21 20	21 33	6 56			n.a.
F 6	2 41	12 41	2 11	5 43	1 40	8 40	1 33	24 26	0 48	7 0	0 59	21 8	0 48	22 57	0 8	18 58	1 21	9 31	15 17	21 21	21 34	6 53			n.a.
S 7	3 5	6 31	3 16	5 44	1 50	8 12	1 34	24 29	0 50	7 5	0 59	21 9	0 48	22 57	0 8	18 58	1 21	9 30	15 17	21 22	21 34	6 50			n.a.
S 8	3 29	0s 5	4 9	5 40	1 58	7 43	1 34	24 31	0 51	7 10	0 58	21 10	0 48	22 57	0 8	18 58	1 21	9 29	15 17	21 23	21 35	6 47			n.a.
M 9	3 53	6 40	4 45	5 31	2 4	7 14	1 35	24 34	0 53	7 15	0 58	21 11	0 47	22 57	0 8	18 59	1 21	9 28	15 17	21 25	21 35	6 44			n.a.
T 10	4 17	12 50	5 0	5 17	2 9	6 45	1 35	24 36	0 55	7 20	0 58	21 12	0 47	22 57	0 8	18 59	1 21	9 27	15 17	21 27	21 36	6 41			n.a.
W11	4 41	18 8	4 56	5 0	2 12	6 15	1 35	24 39	0 57	7 25	0 58	21 13	0 47	22 57	0 8	19 0	1 21	9 26	15 17	21 29	21 37	6 38			n.a.
T 12	5 5	22 15	4 33	4 38	2 14	5 46	1 35	24 41	0 59	7 30	0 58	21 14	0 47	22 57	0 8	19 0	1 21	9 25	15 17	21 31	21 37	6 34			n.a.
F 13	5 29	24 57	3 54	4 13	2 16	5 16	1 35	24 44	1 1	7 36	0 58	21 15	0 47	22 57	0 8	19 0	1 21	9 24	15 17	21 32	21 38	6 31			n.a.
S 14	5 53	26 8	3 4	3 46	2 16	4 46	1 35	24 46	1 3	7 41	0 58	21 16	0 47	22 57	0 8	19 1	1 21	9 23	15 17	21 33	21 38	6 28			n.a.
S 15	6 17	25 51	2 6	3 16	2 15	4 16	1 35	24 48	1 5	7 46	0 58	21 17	0 47	22 57	0 8	19 1	1 21	9 22	15 17	21 34	21 39	6 25			n.a.
M16	6 40	24 15	1 3	2 44	2 13	3 46	1 35	24 51	1 7	7 51	0 58	21 17	0 46	22 57	0 8	19 2	1 21	9 22	15 17	21 34	21 39	6 22			n.a.
T 17	7 4	21 32	0n 1	2 10	2 11	3 15	1 35	24 53	1 9	7 56	0 58	21 18	0 46	22 57	0 8	19 2	1 21	9 21	15 17	21 34	21 40	6 19			n.a.
W18	7 27	17 56	1 4	1 34	2 8	2 45	1 35	24 55	1 11	8 1	0 58	21 19	0 46	22 56	0 8	19 3	1 21	9 20	15 17	21 34	21 40	6 16			n.a.
T 19	7 51	13 40	2 3	0 57	2 5	2 14	1 35	24 58	1 13	8 6	0 58	21 20	0 46	22 56	0 8	19 3	1 21	9 19	15 17	21 34	21 41	6 13			n.a.
F 20	8 14	8 55	2 57	0 19	2 1	1 44	1 34	25 0	1 15	8 11	0 58	21 21	0 46	22 56	0 8	19 3	1 21	9 18	15 17	21 35	21 42	6 10			n.a.
S 21	8 37	3 50	3 43	0s20	1 56	1 13	1 34	25 2	1 18	8 16	0 57	21 22	0 46	22 56	0 8	19 4	1 21	9 17	15 17	21 36	21 42	6 7			n.a.
S 22	9 0	1n24	4 20	1 0	1 52	0 42	1 33	25 5	1 20	8 22	0 57	21 23	0 46	22 56	0 8	19 4	1 21	9 16	15 17	21 38	21 43	6 4			n.a.
M23	9 22	6 39	4 45	1 40	1 47	0 12	1 33	25 7	1 22	8 27	0 57	21 24	0 46	22 56	0 9	19 5	1 20	9 15	15 17	21 40	21 43	6 1			n.a.
T 24	9 45	11 42	4 58	2 21	1 41	0s19	1 32	25 9	1 24	8 32	0 57	21 25	0 45	22 56	0 9	19 5	1 20	9 14	15 17	21 43	21 44	5 58			n.a.
W25	10 8	16 22	4 57	3 3	1 35	0 50	1 31	25 12	1 26	8 37	0 57	21 26	0 45	22 55	0 9	19 6	1 20	9 13	15 17	21 45	21 44	5 54			n.a.
T 26	10 30	20 23	4 42	3 44	1 29	1 21	1 30	25 14	1 29	8 42	0 57	21 27	0 45	22 55	0 9	19 6	1 20	9 13	15 17	21 48	21 45	5 51			n.a.
F 27	10 52	23 30	4 12	4 26	1 23	1 52	1 30	25 16	1 31	8 47	0 57	21 28	0 45	22 55	0 9	19 7	1 20	9 12	15 17	21 50	21 45	5 48			n.a.
S 28	11 14	25 28	3 29	5 8	1 17	2 23	1 29	25 19	1 33	8 52	0 57	21 29	0 45	22 55	0 9	19 7	1 20	9 11	15 17	21 51	21 46	5 45			n.a.
S 29	11 36	26 3	2 34	5 50	1 11	2 54	1 28	25 21	1 36	8 57	0 57	21 30	0 45	22 55	0 9	19 7	1 20	9 10	15 17	21 52	21 46	5 42			n.a.
M30	11 58	25 9	1 30	6 32	1 4	3 24	1 27	25 24	1 38	9 2	0 57	21 31	0 45	22 55	0 9	19 8	1 20	9 9	15 18	21 53	21 47	5 39			n.a.
T 31	12s19	22n46	0n20	7s13	0n58	3s55	1n26	25n26	1n41	9s 7	0n57	21s32	0n45	22n54	0n 9	19s 8	1n20	9n 9	15n18	21s53	21s47	5s36			n.a.

Julian Day Number = 1544184.5, Delta T = 04h35m30s
Ecliptic obliquity = 23°45'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'28, Lahiri = -10°39'28 Julian Calendar 1 Oct. 486 BCE == Greg. Calendar 26 Sept. 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

NOVEMBER 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 15 39	2♏59'29	2♌21	22♎ 3	14♎20	0♋ 7	25♎45	10♐17	13°R50	0♐10	12♎18	22°R20	22♑48	7♓24	n.a.	W 1
T 2	2 19 35	4° 0'32	16°21	23°36	15°35	0°11	25°58	10°24	13♊48	0°12	12°21	22♑19	22°44	7°31	n.a.	T 2
F 3	2 23 32	5° 1'37	0♍36	25°10	16°51	0°15	26°12	10°30	13°46	0°14	12°23	22°17	22°41	7°38	n.a.	F 3
S 4	2 27 28	6° 2'42	15° 4	26°43	18° 6	0°18	26°25	10°36	13°44	0°16	12°25	22°12	22°38	7°44	n.a.	S 4
S 5	2 31 25	7° 3'49	29°42	28°17	19°22	0°20	26°39	10°42	13°42	0°18	12°27	22° 5	22°35	7°51	n.a.	S 5
M 6	2 35 21	8° 4'57	14♎23	29°50	20°37	0°22	26°52	10°49	13°40	0°20	12°30	21°55	22°32	7°58	n.a.	M 6
T 7	2 39 18	9° 6'05	29° 0	1♏24	21°53	0°R22	27° 5	10°55	13°38	0°23	12°32	21°43	22°28	8° 4	n.a.	T 7
W 8	2 43 15	10° 7'15	13♏26	2°58	23° 8	0°22	27°19	11° 1	13°36	0°25	12°34	21°32	22°25	8°11	n.a.	W 8
T 9	2 47 11	11° 8'26	27°34	4°31	24°24	0°21	27°32	11° 8	13°34	0°27	12°36	21°21	22°22	8°18	n.a.	T 9
F 10	2 51 8	12° 9'37	11♐18	6° 5	25°39	0°20	27°45	11°14	13°32	0°29	12°39	21°12	22°19	8°24	n.a.	F 10
S 11	2 55 4	13°10'49	24°37	7°39	26°55	0°17	27°58	11°21	13°30	0°31	12°41	21° 7	22°16	8°31	n.a.	S 11
S 12	2 59 1	14°12'01	7♑31	9°13	28°10	0°14	28°12	11°27	13°28	0°33	12°43	21° 4	22°13	8°38	n.a.	S 12
M13	3 2 57	15°13'14	20° 2	10°47	29°26	0°10	28°25	11°34	13°26	0°36	12°45	21°D 3	22° 9	8°45	n.a.	M13
T 14	3 6 54	16°14'27	2♒15	12°21	0♏41	0° 5	28°38	11°40	13°23	0°38	12°47	21° 3	22° 6	8°51	n.a.	T 14
W15	3 10 50	17°15'40	14°15	13°55	1°57	29♊59	28°51	11°47	13°21	0°40	12°49	21°R 4	22° 3	8°58	n.a.	W15
T 16	3 14 47	18°16'54	26° 7	15°30	3°12	29°52	29° 4	11°54	13°19	0°42	12°51	21° 3	22° 0	9° 5	n.a.	T 16
F 17	3 18 44	19°18'07	7♓56	17° 4	4°28	29°45	29°17	12° 0	13°17	0°45	12°53	21° 1	21°57	9°11	n.a.	F 17
S 18	3 22 40	20°19'21	19°48	18°39	5°43	29°36	29°31	12° 7	13°14	0°47	12°55	20°57	21°54	9°18	n.a.	S 18
S 19	3 26 37	21°20'35	1♈47	20°14	6°59	29°27	29°44	12°14	13°12	0°49	12°58	20°50	21°50	9°25	n.a.	S 19
M20	3 30 33	22°21'49	13°56	21°49	8°14	29°17	29°57	12°21	13°10	0°51	13° 0	20°41	21°47	9°31	n.a.	M20
T 21	3 34 30	23°23'03	26°19	23°24	9°30	29° 6	0♏ 9	12°27	13° 7	0°54	13° 2	20°30	21°44	9°38	n.a.	T 21
W22	3 38 26	24°24'18	8♉57	24°59	10°45	28°55	0°22	12°34	13° 5	0°56	13° 3	20°19	21°41	9°45	n.a.	W22
T 23	3 42 23	25°25'33	21°49	26°35	12° 0	28°42	0°35	12°41	13° 2	0°58	13° 5	20° 9	21°38	9°51	n.a.	T 23
F 24	3 46 19	26°26'47	4♊56	28°11	13°16	28°29	0°48	12°48	13° 0	1° 0	13° 7	20° 0	21°34	9°58	n.a.	F 24
S 25	3 50 16	27°28'03	18°16	29°47	14°31	28°15	1° 1	12°55	12°58	1° 3	13° 9	19°54	21°31	10° 5	n.a.	S 25
S 26	3 54 13	28°29'18	1♋47	1♐23	15°47	28° 1	1°14	13° 2	12°55	1° 5	13°11	19°50	21°28	10°11	n.a.	S 26
M27	3 58 9	29°30'34	15°27	3° 0	17° 2	27°45	1°26	13° 9	12°53	1° 7	13°13	19°D48	21°25	10°18	n.a.	M27
T 28	4 2 6	0♐31'49	29°16	4°37	18°18	27°29	1°39	13°16	12°50	1° 9	13°15	19°48	21°22	10°25	n.a.	T 28
W29	4 6 2	1°33'06	13♌11	6°14	19°33	27°12	1°52	13°23	12°47	1°12	13°17	19°49	21°19	10°32	n.a.	W29
T 30	4 9 59	2♐34'22	27♌13	7♐52	20♏49	26♊54	2♏ 4	13♐30	12♊45	1♐14	13♎18	19°R50	21♑15	10♓38	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12 s40	19n 2	0 s53	7 s55	0n51	4 s26	1n24	25n28	1n43	9 s12	0n57	21 s33	0n45	22n54	0n 9	19 s 9	1n20	9n 8	15n18	21 s53	21 s48	5 s33		n.a.
T 2	13 1	14 11	2 3	8 36	0 44	4 56	1 23	25 31	1 46	9 17	0 57	21 34	0 44	22 54	0 9	19 9	1 20	9 7	15 18	21 53	21 49	5 30		n.a.
F 3	13 22	8 29	3 8	9 17	0 37	5 27	1 22	25 33	1 48	9 22	0 57	21 35	0 44	22 54	0 9	19 10	1 20	9 6	15 18	21 53	21 49	5 27		n.a.
S 4	13 43	2 16	4 1	9 58	0 31	5 57	1 20	25 36	1 51	9 27	0 57	21 36	0 44	22 54	0 9	19 10	1 20	9 6	15 18	21 54	21 50	5 24		n.a.
S 5	14 3	4 s 8	4 39	10 38	0 24	6 27	1 19	25 38	1 53	9 32	0 57	21 37	0 44	22 53	0 9	19 11	1 20	9 5	15 18	21 55	21 50	5 21		n.a.
M 6	14 23	10 19	4 59	11 18	0 17	6 58	1 18	25 41	1 56	9 37	0 57	21 38	0 44	22 53	0 9	19 11	1 20	9 4	15 19	21 57	21 51	5 18		n.a.
T 7	14 43	15 54	4 59	11 57	0 10	7 27	1 16	25 44	1 58	9 41	0 57	21 39	0 44	22 53	0 9	19 12	1 20	9 3	15 19	21 59	21 51	5 14		n.a.
W 8	15 3	20 31	4 40	12 36	0 4	7 57	1 15	25 46	2 1	9 46	0 57	21 40	0 44	22 53	0 9	19 12	1 20	9 3	15 19	22 0	21 52	5 11		n.a.
T 9	15 22	23 50	4 4	13 15	0 s 3	8 27	1 13	25 49	2 4	9 51	0 57	21 41	0 44	22 52	0 9	19 13	1 20	9 2	15 19	22 2	21 52	5 8		n.a.
F 10	15 41	25 38	3 15	13 53	0 10	8 56	1 11	25 52	2 6	9 56	0 57	21 42	0 44	22 52	0 9	19 13	1 20	9 1	15 19	22 3	21 53	5 5		n.a.
S 11	16 0	25 54	2 16	14 30	0 16	9 26	1 10	25 54	2 9	10 1	0 57	21 43	0 43	22 52	0 9	19 14	1 20	9 1	15 20	22 4	21 53	5 2		n.a.
S 12	16 19	24 44	1 11	15 7	0 23	9 55	1 8	25 57	2 12	10 6	0 56	21 44	0 43	22 52	0 9	19 14	1 20	9 0	15 20	22 5	21 54	4 59		n.a.
M13	16 37	22 20	0 5	15 43	0 29	10 23	1 6	26 0	2 14	10 10	0 56	21 45	0 43	22 51	0 9	19 15	1 20	9 0	15 20	22 5	21 54	4 56		n.a.
T 14	16 55	18 57	0n59	16 18	0 35	10 52	1 4	26 2	2 17	10 15	0 56	21 46	0 43	22 51	0 9	19 15	1 20	8 59	15 20	22 5	21 55	4 53		n.a.
W15	17 13	14 51	2 1	16 53	0 42	11 20	1 2	26 5	2 20	10 20	0 56	21 47	0 43	22 51	0 9	19 15	1 20	8 58	15 21	22 5	21 55	4 50		n.a.
T 16	17 30	10 14	2 56	17 27	0 48	11 48	1 0	26 8	2 23	10 25	0 56	21 48	0 43	22 51	0 9	19 16	1 20	8 58	15 21	22 5	21 56	4 47		n.a.
F 17	17 47	5 16	3 43	18 1	0 54	12 16	0 58	26 11	2 25	10 29	0 56	21 49	0 43	22 50	0 9	19 16	1 20	8 57	15 21	22 5	21 56	4 44		n.a.
S 18	18 4	0 6	4 21	18 33	0 59	12 43	0 56	26 13	2 28	10 34	0 56	21 50	0 43	22 50	0 9	19 17	1 20	8 57	15 21	22 6	21 57	4 41		n.a.
S 19	18 20	5n 6	4 48	19 5	1 5	13 10	0 54	26 16	2 31	10 39	0 56	21 51	0 43	22 50	0 9	19 17	1 20	8 56	15 22	22 7	21 57	4 38		n.a.
M20	18 36	10 12	5 2	19 35	1 10	13 37	0 52	26 19	2 33	10 43	0 56	21 52	0 43	22 50	0 9	19 18	1 20	8 56	15 22	22 8	21 58	4 34		n.a.
T 21	18 52	14 59	5 3	20 5	1 16	14 3	0 50	26 21	2 36	10 48	0 56	21 53	0 43	22 49	0 9	19 18	1 20	8 55	15 22	22 10	21 58	4 31		n.a.
W22	19 7	19 13	4 49	20 34	1 21	14 29	0 48	26 24	2 39	10 52	0 56	21 54	0 42	22 49	0 9	19 19	1 20	8 55	15 22	22 12	21 59	4 28		n.a.
T 23	19 22	22 38	4 20	21 2	1 26	14 55	0 46	26 26	2 42	10 57	0 56	21 55	0 42	22 49	0 9	19 19	1 20	8 54	15 23	22 13	21 59	4 25		n.a.
F 24	19 37	24 57	3 37	21 29	1 30	15 20	0 44	26 29	2 44	11 2	0 56	21 56	0 42	22 48	0 9	19 20	1 20	8 54	15 23	22 15	22 0	4 22		n.a.
S 25	19 51	25 54	2 41	21 55	1 35	15 45	0 41	26 32	2 47	11 6	0 56	21 57	0 42	22 48	0 9	19 20	1 20	8 53	15 23	22 16	22 0	4 19		n.a.
S 26	20 5	25 20	1 35	22 20	1 39	16 9	0 39	26 34	2 50	11 11	0 56	21 58	0 42	22 48	0 9	19 21	1 20	8 53	15 24	22 16	22 1	4 16		n.a.
M27	20 19	23 14	0 23	22 43	1 43	16 33	0 37	26 36	2 52	11 15	0 56	21 59	0 42	22 47	0 9	19 21	1 20	8 52	15 24	22 16	22 1	4 13		n.a.
T 28	20 32	19 45	0 s51	23 6	1 47	16 57	0 35	26 39	2 55	11 19	0 56	22 0	0 42	22 47	0 9	19 22	1 20	8 52	15 24	22 16	22 2	4 10		n.a.
W29	20 45	15 7	2 3	23 27	1 50	17 20	0 32	26 41	2 57	11 24	0 56	22 1	0 42	22 47	0 9	19 22	1 20	8 52	15 25	22 16	22 3	4 7		n.a.
T 30	20 s57	9n40	3 s 8	23 s47	1 s54	17 s43	0n30	26n43	3n 0	11 s28	0n56	22 s 2	0n42	22n46	0n 9	19 s23	1n20	8n51	15n25	22 s16	22 s 3	4 s 4		n.a.

Julian Day Number = 1544215.5, Delta T = 04h35m28s
Ecliptic obliquity = 23°45'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'24, Lahiri = -10°39'23 Julian Calendar 1 Nov. 486 BCE == Greg. Calendar 27 Oct. 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 486 BCE
geocentric

DECEMBER 486 BCE (-485) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 13 55	3♐35'38	11♍20	9♐30	22♏ 4	26°R36	2♏17	13♐37	12°R42	1♐16	13♎20	19°R50	21♑12	10♓45	n.a.	F 1
S 2	4 17 52	4°36'55	25°32	11° 8	23°20	26♊17	2°29	13°44	12♊40	1°18	13°22	19♑48	21° 9	10°52	n.a.	S 2
S 3	4 21 49	5°38'12	9♎46	12°46	24°35	25°58	2°41	13°51	12°37	1°21	13°24	19°44	21° 6	10°58	n.a.	S 3
M 4	4 25 45	6°39'28	23°59	14°25	25°51	25°37	2°54	13°58	12°35	1°23	13°25	19°38	21° 3	11° 5	n.a.	M 4
T 5	4 29 42	7°40'45	8♏ 7	16° 4	27° 6	25°17	3° 6	14° 5	12°32	1°25	13°27	19°31	21° 0	11°12	n.a.	T 5
W 6	4 33 38	8°42'02	22° 5	17°43	28°22	24°56	3°18	14°12	12°29	1°28	13°29	19°24	20°56	11°18	n.a.	W 6
T 7	4 37 35	9°43'19	5♐50	19°22	29°37	24°34	3°30	14°19	12°27	1°30	13°30	19°18	20°53	11°25	n.a.	T 7
F 8	4 41 31	10°44'35	19°17	21° 2	0♐53	24°12	3°43	14°26	12°24	1°32	13°32	19°13	20°50	11°32	n.a.	F 8
S 9	4 45 28	11°45'51	2♑26	22°41	2° 8	23°49	3°55	14°33	12°22	1°34	13°33	19° 9	20°47	11°38	n.a.	S 9
S 10	4 49 24	12°47'06	15°14	24°21	3°24	23°26	4° 7	14°40	12°19	1°37	13°35	19°D 8	20°44	11°45	n.a.	S 10
M11	4 53 21	13°48'20	27°44	26° 0	4°39	23° 3	4°18	14°47	12°16	1°39	13°36	19° 8	20°40	11°52	n.a.	M11
T 12	4 57 18	14°49'34	9♒58	27°39	5°54	22°39	4°30	14°54	12°14	1°41	13°38	19° 9	20°37	11°59	n.a.	T 12
W13	5 1 14	15°50'47	21°59	29°17	7°10	22°16	4°42	15° 1	12°11	1°43	13°39	19°11	20°34	12° 5	n.a.	W13
T 14	5 5 11	16°51'59	3♓53	0♑55	8°25	21°52	4°54	15° 8	12° 9	1°45	13°41	19°13	20°31	12°12	n.a.	T 14
F 15	5 9 7	17°53'10	15°43	2°32	9°41	21°28	5° 5	15°15	12° 6	1°48	13°42	19°R14	20°28	12°19	n.a.	F 15
S 16	5 13 4	18°54'20	27°36	4° 8	10°56	21° 4	5°17	15°23	12° 3	1°50	13°43	19°13	20°25	12°25	n.a.	S 16
S 17	5 17 0	19°55'30	9♈35	5°42	12°11	20°40	5°28	15°30	12° 1	1°52	13°44	19°12	20°21	12°32	n.a.	S 17
M18	5 20 57	20°56'38	21°46	7°15	13°27	20°16	5°40	15°37	11°58	1°54	13°46	19° 8	20°18	12°39	n.a.	M18
T 19	5 24 53	21°57'45	4♉12	8°45	14°42	19°52	5°51	15°44	11°56	1°56	13°47	19° 4	20°15	12°45	n.a.	T 19
W20	5 28 50	22°58'51	16°57	10°13	15°57	19°28	6° 2	15°51	11°53	1°59	13°48	19° 0	20°12	12°52	n.a.	W20
T 21	5 32 47	23°59'56	0♊ 1	11°38	17°13	19° 4	6°13	15°58	11°51	2° 1	13°49	18°56	20° 9	12°59	n.a.	T 21
F 22	5 36 43	25° 1'01	13°24	12°59	18°28	18°40	6°24	16° 5	11°48	2° 3	13°50	18°52	20° 6	13° 6	n.a.	F 22
S 23	5 40 40	26° 2'04	27° 6	14°16	19°43	18°17	6°35	16°12	11°46	2° 5	13°52	18°50	20° 2	13°12	n.a.	S 23
S 24	5 44 36	27° 3'06	11♋ 4	15°28	20°59	17°54	6°46	16°19	11°43	2° 7	13°53	18°48	19°59	13°19	n.a.	S 24
M25	5 48 33	28° 4'07	25°13	16°34	22°14	17°31	6°57	16°26	11°41	2° 9	13°54	18°D48	19°56	13°26	n.a.	M25
T 26	5 52 29	29° 5'08	9♌29	17°33	23°29	17° 9	7° 8	16°33	11°38	2°11	13°55	18°49	19°53	13°32	n.a.	T 26
W27	5 56 26	0♑ 6'07	23°48	18°25	24°44	16°47	7°18	16°40	11°36	2°13	13°56	18°51	19°50	13°39	n.a.	W27
T 28	6 0 23	1° 7'06	8♍ 7	19° 9	26° 0	16°26	7°29	16°47	11°33	2°15	13°57	18°52	19°46	13°46	n.a.	T 28
F 29	6 4 19	2° 8'03	22°22	19°43	27°15	16° 5	7°39	16°54	11°31	2°17	13°57	18°53	19°43	13°52	n.a.	F 29
S 30	6 8 16	3° 9'00	6♎32	20° 8	28°30	15°44	7°50	17° 1	11°29	2°19	13°58	18°R53	19°40	13°59	n.a.	S 30
S 31	6 12 12	4♑ 9'56	20♎33	20♑22	29♐45	15♊25	8♏ 0	17♐ 8	11♊26	2♐21	13♎59	18♑52	19♑37	14♓ 6	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s 9	3n41	4s 2	24s 5	1s56	18s 5	0n28	26n45	3n 2	11s33	0n56	22s 3	0n42	22n46	0n 9	19s23	1n20	8n51	15n25	22s16	22s 4	4s 1		n.a.
S 2	21 21	2s30	4 42	24 22	1 59	18 27	0 25	26 47	3 5	11 37	0 56	22 4	0 42	22 46	0 9	19 24	1 20	8 51	15 26	22 16	22 4	3 58		n.a.
S 3	21 32	8 34	5 4	24 38	2 1	18 48	0 23	26 49	3 7	11 41	0 56	22 5	0 41	22 46	0 9	19 24	1 20	8 50	15 26	22 17	22 5	3 54		n.a.
M 4	21 42	14 11	5 8	24 52	2 3	19 9	0 20	26 51	3 10	11 45	0 56	22 6	0 41	22 45	0 9	19 25	1 20	8 50	15 26	22 18	22 5	3 51		n.a.
T 5	21 53	19 0	4 53	25 5	2 4	19 29	0 18	26 52	3 12	11 50	0 56	22 6	0 41	22 45	0 9	19 25	1 20	8 50	15 27	22 19	22 5	3 48		n.a.
W 6	22 3	22 43	4 20	25 15	2 5	19 48	0 16	26 54	3 14	11 54	0 56	22 7	0 41	22 45	0 9	19 26	1 20	8 49	15 27	22 20	22 6	3 45		n.a.
T 7	22 12	25 4	3 33	25 25	2 6	20 7	0 13	26 55	3 17	11 58	0 56	22 8	0 41	22 44	0 9	19 26	1 20	8 49	15 28	22 21	22 6	3 42		n.a.
F 8	22 21	25 53	2 35	25 32	2 6	20 26	0 11	26 56	3 19	12 2	0 56	22 9	0 41	22 44	0 9	19 26	1 20	8 49	15 28	22 21	22 7	3 39		n.a.
S 9	22 30	25 14	1 30	25 38	2 5	20 44	0 8	26 57	3 21	12 6	0 56	22 10	0 41	22 44	0 9	19 27	1 20	8 49	15 28	22 22	22 7	3 36		n.a.
S 10	22 38	23 13	0 21	25 42	2 4	21 1	0 6	26 58	3 23	12 10	0 56	22 11	0 41	22 43	0 9	19 27	1 20	8 48	15 29	22 22	22 8	3 33		n.a.
M11	22 45	20 7	0n47	25 44	2 3	21 17	0 4	26 58	3 25	12 14	0 56	22 12	0 41	22 43	0 9	19 28	1 20	8 48	15 29	22 22	22 8	3 30		n.a.
T 12	22 53	16 12	1 51	25 45	2 1	21 33	0 1	26 59	3 26	12 18	0 57	22 13	0 41	22 43	0 9	19 28	1 20	8 48	15 30	22 22	22 9	3 27		n.a.
W13	22 59	11 41	2 50	25 43	1 58	21 49	0s 1	26 59	3 28	12 22	0 57	22 14	0 41	22 42	0 9	19 29	1 20	8 48	15 30	22 22	22 9	3 24		n.a.
T 14	23 6	6 48	3 40	25 40	1 55	22 4	0 4	27 0	3 30	12 26	0 57	22 14	0 41	22 42	0 9	19 29	1 20	8 48	15 30	22 21	22 10	3 21		n.a.
F 15	23 12	1 42	4 21	25 34	1 50	22 18	0 6	27 0	3 31	12 30	0 57	22 15	0 41	22 42	0 9	19 30	1 20	8 48	15 31	22 21	22 10	3 18		n.a.
S 16	23 17	3n29	4 51	25 27	1 46	22 31	0 8	26 59	3 33	12 34	0 57	22 16	0 41	22 41	0 9	19 30	1 20	8 48	15 31	22 21	22 11	3 15		n.a.
S 17	23 22	8 34	5 9	25 18	1 40	22 44	0 11	26 59	3 34	12 38	0 57	22 17	0 40	22 41	0 9	19 30	1 20	8 47	15 32	22 22	22 11	3 11		n.a.
M18	23 26	13 25	5 13	25 6	1 33	22 56	0 13	26 59	3 36	12 42	0 57	22 18	0 40	22 41	0 9	19 31	1 20	8 47	15 32	22 22	22 12	3 8		n.a.
T 19	23 30	17 49	5 2	24 53	1 26	23 7	0 16	26 58	3 37	12 45	0 57	22 19	0 40	22 40	0 9	19 31	1 20	8 47	15 33	22 23	22 12	3 5		n.a.
W20	23 34	21 32	4 37	24 39	1 18	23 18	0 18	26 57	3 38	12 49	0 57	22 19	0 40	22 40	0 9	19 32	1 20	8 47	15 33	22 23	22 13	3 2		n.a.
T 21	23 37	24 16	3 57	24 23	1 9	23 28	0 20	26 56	3 39	12 53	0 57	22 20	0 40	22 40	0 9	19 32	1 20	8 47	15 33	22 24	22 13	2 59		n.a.
F 22	23 40	25 44	3 3	24 5	0 58	23 37	0 23	26 55	3 40	12 56	0 57	22 21	0 40	22 39	0 9	19 33	1 20	8 47	15 34	22 24	22 14	2 56		n.a.
S 23	23 42	25 40	1 57	23 46	0 47	23 46	0 25	26 54	3 41	13 0	0 57	22 22	0 40	22 39	0 9	19 33	1 20	8 47	15 34	22 25	22 14	2 53		n.a.
S 24	23 43	24 0	0 43	23 25	0 35	23 54	0 27	26 52	3 42	13 3	0 57	22 23	0 40	22 38	0 9	19 33	1 20	8 47	15 35	22 25	22 15	2 50		n.a.
M25	23 44	20 48	0s35	23 4	0 22	24 1	0 29	26 51	3 42	13 7	0 57	22 23	0 40	22 38	0 9	19 34	1 20	8 47	15 35	22 25	22 15	2 47		n.a.
T 26	23 45	16 19	1 52	22 43	0 8	24 7	0 32	26 49	3 43	13 10	0 57	22 24	0 40	22 38	0 9	19 34	1 20	8 47	15 36	22 25	22 16	2 44		n.a.
W27	23 45	10 55	3 1	22 21	0n 7	24 13	0 34	26 48	3 43	13 14	0 57	22 25	0 40	22 38	0 9	19 35	1 20	8 47	15 36	22 25	22 16	2 41		n.a.
T 28	23 45	4 56	4 0	21 59	0 23	24 17	0 36	26 46	3 44	13 17	0 57	22 26	0 40	22 37	0 9	19 35	1 20	8 47	15 37	22 24	22 17	2 38		n.a.
F 29	23 44	1s16	4 43	21 37	0 40	24 22	0 38	26 44	3 44	13 21	0 57	22 26	0 40	22 37	0 9	19 35	1 20	8 48	15 37	22 24	22 17	2 35		n.a.
S 30	23 43	7 20	5 9	21 17	0 57	24 25	0 40	26 42	3 44	13 24	0 57	22 27	0 40	22 37	0 9	19 36	1 20	8 48	15 38	22 24	22 17	2 32		n.a.
S 31	23s41	13s 0	5s16	20s57	1n15	24s27	0s42	26n40	3n44	13s27	0n57	22s28	0n40	22n36	0n 9	19s36	1n20	8n48	15n38	22s24	22s18	2s28		n.a.

Julian Day Number = 1544245.5, Delta T = 04h35m27s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'20, Lahiri = -10°39'19 Julian Calendar 1 Dec. 486 BCE == Greg. Calendar 26 Nov. 486 BCE

The year -485 astronomical counting style corresponds to year 486 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

JANUARY 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 16 9	5♉10'50	4♏25	20°R26	1♉ 1	15°R 5	8♏10	17♐14	11°R24	2♐23	14♎ 0	18°R51	19♉34	14♓12	n.a.	M 1
T 2	6 20 5	6°11'44	18° 7	20♉18	2°16	14♊46	8°20	17°21	11♊22	2°25	14° 1	18♉50	19°31	14°19	n.a.	T 2
W 3	6 24 2	7°12'37	1♐36	19°59	3°31	14°28	8°30	17°28	11°19	2°27	14° 1	18°48	19°27	14°26	n.a.	W 3
T 4	6 27 58	8°13'29	14°53	19°30	4°46	14°11	8°40	17°35	11°17	2°29	14° 2	18°46	19°24	14°33	n.a.	T 4
F 5	6 31 55	9°14'20	27°56	18°50	6° 1	13°54	8°49	17°42	11°15	2°31	14° 3	18°45	19°21	14°39	n.a.	F 5
S 6	6 35 52	10°15'09	10♉45	18° 1	7°17	13°38	8°59	17°48	11°13	2°33	14° 3	18°45	19°18	14°46	n.a.	S 6
S 7	6 39 48	11°15'56	23°20	17° 5	8°32	13°23	9° 8	17°55	11°11	2°35	14° 4	18°D45	19°15	14°53	n.a.	S 7
M 8	6 43 45	12°16'42	5♒41	16° 2	9°47	13° 9	9°18	18° 2	11° 8	2°37	14° 4	18°45	19°12	14°59	n.a.	M 8
T 9	6 47 41	13°17'27	17°51	14°54	11° 2	12°55	9°27	18° 8	11° 6	2°39	14° 5	18°46	19° 8	15° 6	n.a.	T 9
W10	6 51 38	14°18'10	29°51	13°44	12°17	12°42	9°36	18°15	11° 4	2°41	14° 5	18°46	19° 5	15°13	n.a.	W10
T 11	6 55 34	15°18'51	11♓44	12°34	13°32	12°30	9°45	18°22	11° 2	2°42	14° 6	18°47	19° 2	15°19	n.a.	T 11
F 12	6 59 31	16°19'30	23°35	11°25	14°47	12°18	9°54	18°28	11° 0	2°44	14° 6	18°47	18°59	15°26	n.a.	F 12
S 13	7 3 27	17°20'07	5♈27	10°18	16° 2	12° 7	10° 3	18°35	10°58	2°46	14° 7	18°47	18°56	15°33	n.a.	S 13
S 14	7 7 24	18°20'42	17°25	9°16	17°17	11°58	10°11	18°41	10°56	2°48	14° 7	18°47	18°52	15°40	n.a.	S 14
M15	7 11 21	19°21'16	29°34	8°20	18°32	11°49	10°20	18°48	10°54	2°49	14° 7	18°47	18°49	15°46	n.a.	M15
T 16	7 15 17	20°21'47	11♉58	7°30	19°47	11°40	10°28	18°54	10°53	2°51	14° 7	18°47	18°46	15°53	n.a.	T 16
W17	7 19 14	21°22'17	24°41	6°47	21° 2	11°33	10°36	19° 0	10°51	2°53	14° 8	18°47	18°43	16° 0	n.a.	W17
T 18	7 23 10	22°22'45	7♊47	6°12	22°17	11°26	10°45	19° 7	10°49	2°54	14° 8	18°48	18°40	16° 6	n.a.	T 18
F 19	7 27 7	23°23'10	21°17	5°44	23°32	11°21	10°53	19°13	10°47	2°56	14° 8	18°48	18°37	16°13	n.a.	F 19
S 20	7 31 3	24°23'34	5♋11	5°24	24°47	11°16	11° 0	19°19	10°46	2°58	14° 8	18°49	18°33	16°20	n.a.	S 20
S 21	7 35 0	25°23'56	19°26	5°11	26° 2	11°11	11° 8	19°26	10°44	2°59	14° 8	18°R49	18°30	16°27	n.a.	S 21
M22	7 38 57	26°24'16	4♌ 0	5°D 6	27°17	11° 8	11°16	19°32	10°42	3° 1	14°R 8	18°48	18°27	16°33	n.a.	M22
T 23	7 42 53	27°24'34	18°44	5° 7	28°32	11° 5	11°23	19°38	10°41	3° 2	14° 8	18°48	18°24	16°40	n.a.	T 23
W24	7 46 50	28°24'51	3♍33	5°15	29°47	11° 3	11°30	19°44	10°39	3° 4	14° 8	18°47	18°21	16°47	n.a.	W24
T 25	7 50 46	29°25'05	18°19	5°28	1♒ 2	11° 2	11°38	19°50	10°38	3° 5	14° 8	18°46	18°18	16°53	n.a.	T 25
F 26	7 54 43	0♒25'18	2♎54	5°48	2°17	11°D 2	11°45	19°56	10°36	3° 7	14° 8	18°44	18°14	17° 0	n.a.	F 26
S 27	7 58 39	1°25'29	17°15	6°13	3°32	11° 2	11°52	20° 2	10°35	3° 8	14° 8	18°43	18°11	17° 7	n.a.	S 27
S 28	8 2 36	2°25'39	1♏19	6°43	4°46	11° 3	11°58	20° 8	10°34	3° 9	14° 8	18°D43	18° 8	17°13	n.a.	S 28
M29	8 6 32	3°25'47	15° 3	7°18	6° 1	11° 5	12° 5	20°13	10°32	3°11	14° 7	18°43	18° 5	17°20	n.a.	M29
T 30	8 10 29	4°25'54	28°30	7°56	7°16	11° 7	12°11	20°19	10°31	3°12	14° 7	18°44	18° 2	17°27	n.a.	T 30
W31	8 14 25	5♒25'58	11♐39	8♉39	8♒31	11♊10	12♏18	20♐25	10♊30	3♐13	14♎ 7	18♉45	17♉58	17♓34	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23s39	17s56	5s 5	20s39	1n33	24s29	0s44	26n38	3n45	13s31	0n57	22s29	0n40	22n36	0n 9	19s37	1n20	8n48	15n39	22s25	22s18	2s25			n.a.
T 2	23 36	21 51	4 36	20 22	1 51	24 30	0 46	26 35	3 45	13 34	0 57	22 29	0 40	22 36	0 9	19 37	1 20	8 48	15 39	22 25	22 19	2 22			n.a.
W 3	23 33	24 33	3 52	20 7	2 9	24 31	0 48	26 33	3 44	13 37	0 57	22 30	0 39	22 35	0 9	19 37	1 20	8 48	15 40	22 25	22 19	2 19			n.a.
T 4	23 30	25 49	2 57	19 54	2 26	24 30	0 50	26 31	3 44	13 40	0 58	22 31	0 39	22 35	0 9	19 38	1 20	8 48	15 40	22 25	22 20	2 16			n.a.
F 5	23 26	25 37	1 53	19 44	2 43	24 29	0 52	26 28	3 44	13 43	0 58	22 31	0 39	22 35	0 9	19 38	1 20	8 49	15 41	22 25	22 20	2 13			n.a.
S 6	23 21	24 3	0 44	19 35	2 58	24 27	0 54	26 26	3 44	13 46	0 58	22 32	0 39	22 34	0 9	19 38	1 20	8 49	15 41	22 25	22 21	2 10			n.a.
S 7	23 16	21 17	0n25	19 29	3 11	24 24	0 56	26 24	3 43	13 49	0 58	22 33	0 39	22 34	0 9	19 39	1 20	8 49	15 41	22 25	22 21	2 7			n.a.
M 8	23 11	17 36	1 33	19 25	3 23	24 21	0 57	26 22	3 43	13 52	0 58	22 33	0 39	22 34	0 9	19 39	1 20	8 49	15 42	22 25	22 22	2 4			n.a.
T 9	23 5	13 14	2 35	19 24	3 32	24 16	0 59	26 19	3 42	13 55	0 58	22 34	0 39	22 33	0 9	19 39	1 20	8 50	15 42	22 25	22 22	2 1			n.a.
W10	22 59	8 25	3 29	19 24	3 40	24 11	1 1	26 17	3 42	13 58	0 58	22 35	0 39	22 33	0 9	19 40	1 20	8 50	15 43	22 25	22 23	1 58			n.a.
T 11	22 52	3 21	4 14	19 26	3 44	24 5	1 2	26 15	3 41	14 1	0 58	22 35	0 39	22 33	0 9	19 40	1 20	8 50	15 43	22 25	22 23	1 55			n.a.
F 12	22 44	1n49	4 47	19 29	3 47	23 59	1 4	26 12	3 40	14 3	0 58	22 36	0 39	22 33	0 9	19 40	1 20	8 50	15 44	22 25	22 23	1 52			n.a.
S 13	22 37	6 54	5 9	19 34	3 47	23 52	1 6	26 10	3 40	14 6	0 58	22 37	0 39	22 32	0 9	19 41	1 20	8 51	15 44	22 25	22 24	1 49			n.a.
S 14	22 29	11 48	5 17	19 41	3 45	23 44	1 7	26 8	3 39	14 9	0 58	22 37	0 39	22 32	0 9	19 41	1 20	8 51	15 45	22 25	22 24	1 46			n.a.
M15	22 20	16 19	5 12	19 48	3 41	23 35	1 8	26 6	3 38	14 11	0 58	22 38	0 39	22 32	0 9	19 41	1 20	8 51	15 45	22 25	22 25	1 43			n.a.
T 16	22 11	20 15	4 52	19 57	3 36	23 25	1 10	26 4	3 37	14 14	0 58	22 38	0 39	22 32	0 9	19 42	1 20	8 52	15 46	22 25	22 25	1 40			n.a.
W17	22 2	23 21	4 17	20 6	3 29	23 15	1 11	26 2	3 36	14 17	0 58	22 39	0 39	22 31	0 9	19 42	1 20	8 52	15 46	22 25	22 26	1 36			n.a.
T 18	21 52	25 19	3 29	20 17	3 20	23 4	1 12	26 0	3 35	14 19	0 58	22 39	0 39	22 31	0 9	19 42	1 20	8 53	15 47	22 25	22 26	1 33			n.a.
F 19	21 42	25 54	2 27	20 27	3 10	22 53	1 14	25 58	3 34	14 21	0 59	22 40	0 39	22 31	0 9	19 43	1 20	8 53	15 47	22 25	22 27	1 30			n.a.
S 20	21 31	24 54	1 15	20 39	3 0	22 41	1 15	25 57	3 33	14 24	0 59	22 41	0 39	22 31	0 9	19 43	1 20	8 53	15 48	22 25	22 27	1 27			n.a.
S 21	21 20	22 16	0s 3	20 50	2 49	22 28	1 16	25 55	3 32	14 26	0 59	22 41	0 39	22 30	0 9	19 43	1 20	8 54	15 48	22 25	22 27	1 24			n.a.
M22	21 9	18 10	1 23	21 2	2 37	22 14	1 17	25 53	3 31	14 29	0 59	22 42	0 39	22 30	0 9	19 43	1 20	8 54	15 49	22 25	22 28	1 21			n.a.
T 23	20 57	12 54	2 38	21 14	2 25	22 0	1 18	25 52	3 30	14 31	0 59	22 42	0 39	22 30	0 9	19 44	1 20	8 55	15 49	22 25	22 28	1 18			n.a.
W24	20 45	6 52	3 43	21 26	2 13	21 45	1 19	25 51	3 29	14 33	0 59	22 43	0 39	22 30	0 9	19 44	1 20	8 55	15 50	22 25	22 29	1 15			n.a.
T 25	20 32	0 30	4 33	21 37	2 1	21 29	1 20	25 49	3 28	14 35	0 59	22 43	0 39	22 29	0 9	19 44	1 20	8 56	15 50	22 25	22 29	1 12			n.a.
F 26	20 20	5s49	5 5	21 49	1 49	21 13	1 21	25 48	3 27	14 37	0 59	22 44	0 38	22 29	0 9	19 45	1 20	8 56	15 51	22 25	22 30	1 9			n.a.
S 27	20 6	11 43	5 16	22 0	1 36	20 56	1 21	25 47	3 26	14 39	0 59	22 44	0 38	22 29	0 9	19 45	1 20	8 57	15 51	22 26	22 30	1 6			n.a.
S 28	19 53	16 54	5 9	22 11	1 24	20 39	1 22	25 46	3 24	14 41	0 59	22 45	0 38	22 29	0 9	19 45	1 20	8 57	15 52	22 26	22 30	1 3			n.a.
M29	19 39	21 5	4 44	22 21	1 12	20 21	1 23	25 45	3 23	14 43	0 59	22 45	0 38	22 29	0 9	19 45	1 20	8 58	15 52	22 26	22 31	1 0			n.a.
T 30	19 24	24 2	4 4	22 30	1 0	20 2	1 23	25 44	3 22	14 45	0 59	22 46	0 38	22 29	0 9	19 45	1 20	8 58	15 53	22 25	22 31	0 57			n.a.
W31	19s10	25s38	3s11	22s39	0n49	19s43	1s24	25n43	3n21	14s47	1n 0	22s46	0n38	22n28	0n 9	19s46	1n20	8n59	15n53	22s25	22s32	0s54			n.a.

Julian Day Number = 1544276.5, Delta T = 04h35m26s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'16, Lahiri = -10°39'15 Julian Calendar 1 Jan. 485 BCE == Greg. Calendar 27 Dec. 486 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

FEBRUARY 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 18 22	6♒26'01	24♐34	9♉26	9♒46	11♊14	12♏24	20♐31	10°R29	3♐15	14°R 7	18♉47	17♉55	17♓40	n.a.	T 1
F 2	8 22 19	7°26'03	7♉14	10°16	11° 1	11°19	12°30	20°36	10♊28	3°16	14♎ 6	18°48	17°52	17°47	n.a.	F 2
S 3	8 26 15	8°26'02	19°43	11° 9	12°15	11°24	12°36	20°42	10°27	3°17	14° 6	18°R48	17°49	17°54	n.a.	S 3
S 4	8 30 12	9°25'59	2♒ 1	12° 6	13°30	11°30	12°41	20°47	10°26	3°18	14° 5	18°48	17°46	18° 0	n.a.	S 4
M 5	8 34 8	10°25'55	14°10	13° 5	14°45	11°36	12°47	20°53	10°25	3°20	14° 5	18°46	17°43	18° 7	n.a.	M 5
T 6	8 38 5	11°25'48	26°12	14° 7	15°59	11°43	12°52	20°58	10°24	3°21	14° 4	18°43	17°39	18°14	n.a.	T 6
W 7	8 42 1	12°25'39	8♓ 8	15°11	17°14	11°51	12°57	21° 3	10°23	3°22	14° 4	18°39	17°36	18°20	n.a.	W 7
T 8	8 45 58	13°25'27	20° 0	16°17	18°29	12° 0	13° 2	21° 8	10°22	3°23	14° 3	18°35	17°33	18°27	n.a.	T 8
F 9	8 49 54	14°25'14	1♈51	17°26	19°43	12° 9	13° 7	21°14	10°21	3°24	14° 3	18°31	17°30	18°34	n.a.	F 9
S 10	8 53 51	15°24'58	13°43	18°37	20°58	12°18	13°12	21°19	10°21	3°25	14° 2	18°27	17°27	18°41	n.a.	S 10
S 11	8 57 48	16°24'40	25°40	19°50	22°13	12°29	13°16	21°24	10°20	3°26	14° 2	18°24	17°24	18°47	n.a.	S 11
M12	9 1 44	17°24'19	7♉46	21° 5	23°27	12°39	13°21	21°29	10°19	3°27	14° 1	18°22	17°20	18°54	n.a.	M12
T 13	9 5 41	18°23'57	20° 6	22°21	24°42	12°51	13°25	21°34	10°19	3°28	14° 0	18°D21	17°17	19° 1	n.a.	T 13
W14	9 9 37	19°23'31	2♊44	23°40	25°56	13° 2	13°29	21°38	10°18	3°29	13°59	18°22	17°14	19° 7	n.a.	W14
T 15	9 13 34	20°23'04	15°44	25° 0	27°11	13°15	13°33	21°43	10°18	3°29	13°59	18°24	17°11	19°14	n.a.	T 15
F 16	9 17 30	21°22'34	29° 9	26°21	28°25	13°28	13°36	21°48	10°18	3°30	13°58	18°25	17° 8	19°21	n.a.	F 16
S 17	9 21 27	22°22'02	13♋ 2	27°44	29°40	13°41	13°40	21°53	10°17	3°31	13°57	18°R26	17° 4	19°28	n.a.	S 17
S 18	9 25 23	23°21'27	27°22	29° 9	0♓54	13°55	13°43	21°57	10°17	3°32	13°56	18°26	17° 1	19°34	n.a.	S 18
M19	9 29 20	24°20'50	12♌ 7	0♒36	2° 9	14°10	13°46	22° 2	10°17	3°33	13°55	18°24	16°58	19°41	n.a.	M19
T 20	9 33 17	25°20'10	27° 8	2° 3	3°23	14°24	13°49	22° 6	10°17	3°33	13°54	18°21	16°55	19°48	n.a.	T 20
W21	9 37 13	26°19'29	12♍19	3°33	4°38	14°40	13°52	22°10	10°16	3°34	13°53	18°16	16°52	19°54	n.a.	W21
T 22	9 41 10	27°18'45	27°29	5° 3	5°52	14°55	13°54	22°15	10°16	3°34	13°52	18°10	16°49	20° 1	n.a.	T 22
F 23	9 45 6	28°17'59	12♎27	6°35	7° 6	15°12	13°57	22°19	10°D16	3°35	13°51	18° 4	16°45	20° 8	n.a.	F 23
S 24	9 49 3	29°17'12	27° 7	8° 9	8°21	15°28	13°59	22°23	10°16	3°36	13°50	17°59	16°42	20°15	n.a.	S 24
S 25	9 52 59	0♓16'22	11♏23	9°44	9°35	15°45	14° 1	22°27	10°17	3°36	13°49	17°56	16°39	20°21	n.a.	S 25
M26	9 56 56	1°15'31	25°12	11°20	10°49	16° 3	14° 3	22°31	10°17	3°37	13°48	17°54	16°36	20°28	n.a.	M26
T 27	10 0 52	2°14'38	8♐37	12°58	12° 4	16°21	14° 5	22°35	10°17	3°37	13°47	17°D54	16°33	20°35	n.a.	T 27
W28	10 4 49	3°13'43	21°38	14°37	13°18	16°39	14° 6	22°39	10°17	3°38	13°46	17°55	16°29	20°41	n.a.	W28
T 29	10 8 45	4♓12'47	4♉20	16♒18	14♓32	16♊58	14♏ 7	22♐42	10♊18	3♐38	13♎45	17♉57	16♉26	20♓48	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s55	25s48	2s10	22s47	0n38	19s23	1s24	25n43	3n20	14s49	1n 0	22s46	0n38	22n28	0n 9	19s46	1n21	8n59	15n54	22s25	22s32	0s51		n.a.
F 2	18 39	24 37	1 3	22 55	0 26	19 3	1 25	25 42	3 18	14 51	1 0	22 47	0 38	22 28	0 10	19 46	1 21	9 0	15 54	22 25	22 33	0 48		n.a.
S 3	18 24	22 12	0n 5	23 1	0 16	18 42	1 25	25 42	3 17	14 52	1 0	22 47	0 38	22 28	0 10	19 46	1 21	9 0	15 55	22 25	22 33	0 45		n.a.
S 4	18 8	18 48	1 12	23 7	0 5	18 21	1 25	25 41	3 16	14 54	1 0	22 48	0 38	22 28	0 10	19 47	1 21	9 1	15 55	22 25	22 33	0 42		n.a.
M 5	17 51	14 38	2 15	23 11	0s 5	17 59	1 26	25 41	3 15	14 56	1 0	22 48	0 38	22 28	0 10	19 47	1 21	9 2	15 55	22 25	22 34	0 39		n.a.
T 6	17 35	9 57	3 11	23 14	0 15	17 37	1 26	25 41	3 13	14 57	1 0	22 48	0 38	22 27	0 10	19 47	1 21	9 2	15 56	22 26	22 34	0 36		n.a.
W 7	17 18	4 57	3 59	23 17	0 24	17 14	1 26	25 41	3 12	14 59	1 0	22 49	0 38	22 27	0 10	19 47	1 21	9 3	15 56	22 26	22 35	0 33		n.a.
T 8	17 1	0n12	4 35	23 18	0 33	16 51	1 26	25 40	3 11	15 0	1 0	22 49	0 38	22 27	0 10	19 47	1 21	9 3	15 57	22 27	22 35	0 30		n.a.
F 9	16 43	5 19	5 0	23 18	0 42	16 27	1 26	25 40	3 9	15 1	1 0	22 50	0 38	22 27	0 10	19 47	1 21	9 4	15 57	22 27	22 36	0 26		n.a.
S 10	16 25	10 16	5 12	23 17	0 51	16 3	1 26	25 41	3 8	15 3	1 1	22 50	0 38	22 27	0 10	19 48	1 21	9 5	15 58	22 28	22 36	0 23		n.a.
S 11	16 7	14 51	5 11	23 14	0 59	15 38	1 25	25 41	3 7	15 4	1 1	22 50	0 38	22 27	0 10	19 48	1 21	9 5	15 58	22 28	22 36	0 20		n.a.
M12	15 49	18 56	4 56	23 10	1 6	15 13	1 25	25 41	3 6	15 5	1 1	22 51	0 38	22 27	0 10	19 48	1 21	9 6	15 59	22 29	22 37	0 17		n.a.
T 13	15 31	22 16	4 27	23 5	1 14	14 48	1 25	25 41	3 4	15 6	1 1	22 51	0 38	22 27	0 10	19 48	1 21	9 7	15 59	22 29	22 37	0 14		n.a.
W14	15 12	24 39	3 44	22 58	1 21	14 22	1 25	25 41	3 3	15 7	1 1	22 51	0 38	22 27	0 10	19 48	1 21	9 7	15 59	22 29	22 38	0 11		n.a.
T 15	14 53	25 47	2 49	22 50	1 27	13 56	1 24	25 42	3 2	15 9	1 1	22 52	0 38	22 27	0 10	19 48	1 21	9 8	16 0	22 28	22 38	0 8		n.a.
F 16	14 34	25 29	1 43	22 41	1 33	13 29	1 24	25 42	3 1	15 10	1 1	22 52	0 38	22 27	0 10	19 48	1 21	9 9	16 0	22 28	22 38	0 5		n.a.
S 17	14 14	23 36	0 29	22 30	1 39	13 2	1 23	25 43	2 59	15 11	1 1	22 52	0 38	22 27	0 10	19 48	1 21	9 9	16 1	22 28	22 39	0 2		n.a.
S 18	13 55	20 10	0s49	22 18	1 44	12 35	1 23	25 43	2 58	15 11	1 1	22 53	0 38	22 26	0 10	19 49	1 21	9 10	16 1	22 28	22 39	0n 1		n.a.
M19	13 35	15 23	2 5	22 4	1 49	12 7	1 22	25 44	2 57	15 12	1 1	22 53	0 38	22 26	0 10	19 49	1 21	9 11	16 1	22 28	22 40	0 4		n.a.
T 20	13 15	9 34	3 15	21 48	1 54	11 39	1 21	25 44	2 56	15 13	1 1	22 53	0 38	22 26	0 10	19 49	1 21	9 11	16 2	22 29	22 40	0 7		n.a.
W21	12 54	3 10	4 11	21 32	1 58	11 11	1 20	25 45	2 54	15 14	1 2	22 54	0 38	22 26	0 10	19 49	1 21	9 12	16 2	22 29	22 40	0 10		n.a.
T 22	12 34	3s25	4 50	21 13	2 1	10 42	1 19	25 45	2 53	15 14	1 2	22 54	0 38	22 26	0 10	19 49	1 21	9 13	16 2	22 30	22 41	0 13		n.a.
F 23	12 13	9 42	5 8	20 53	2 5	10 14	1 18	25 46	2 52	15 15	1 2	22 54	0 38	22 26	0 10	19 49	1 21	9 13	16 3	22 31	22 41	0 16		n.a.
S 24	11 52	15 19	5 6	20 31	2 7	9 45	1 18	25 47	2 51	15 16	1 2	22 54	0 38	22 26	0 10	19 49	1 21	9 14	16 3	22 32	22 42	0 19		n.a.
S 25	11 31	19 56	4 45	20 8	2 10	9 15	1 16	25 47	2 49	15 16	1 2	22 55	0 38	22 26	0 10	19 49	1 21	9 15	16 3	22 32	22 42	0 22		n.a.
M26	11 10	23 18	4 7	19 43	2 12	8 46	1 15	25 48	2 48	15 17	1 2	22 55	0 38	22 26	0 10	19 49	1 21	9 16	16 4	22 32	22 42	0 25		n.a.
T 27	10 49	25 16	3 17	19 16	2 13	8 16	1 14	25 49	2 47	15 17	1 2	22 55	0 38	22 26	0 10	19 49	1 21	9 16	16 4	22 32	22 43	0 28		n.a.
W28	10 27	25 46	2 18	18 48	2 14	7 46	1 13	25 49	2 46	15 17	1 2	22 55	0 38	22 27	0 10	19 49	1 21	9 17	16 4	22 32	22 43	0 31		n.a.
T 29	10s 6	24s54	1s13	18s18	2s15	7s16	1s12	25n50	2n45	15s18	1n 2	22s56	0n38	22n27	0n10	19s49	1n21	9n18	16n 5	22s32	22s44	0n34		n.a.

Julian Day Number = 1544307.5, Delta T = 04h35m25s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'11, Lahiri = -10°39'11 Julian Calendar 1 Feb. 485 BCE == Greg. Calendar 27 Jan. 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

MARCH 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 12 42	5♓11'48	16♉46	18♒ 0	15♓46	17♊17	14♏ 9	22♐46	10♊18	3♐38	13°R44	17°R57	16♉23	20♓55	n.a.	F 1
S 2	10 16 39	6°10'47	29° 0	19°44	17° 1	17°36	14° 9	22°49	10°18	3°39	13♎42	17♉57	16°20	21° 1	n.a.	S 2
S 3	10 20 35	7° 9'45	11♒ 5	21°28	18°15	17°56	14°10	22°53	10°19	3°39	13°41	17°54	16°17	21° 8	n.a.	S 3
M 4	10 24 32	8° 8'40	23° 4	23°15	19°29	18°16	14°11	22°56	10°19	3°39	13°40	17°49	16°14	21°15	n.a.	M 4
T 5	10 28 28	9° 7'33	4♓58	25° 3	20°43	18°37	14°11	23° 0	10°20	3°39	13°39	17°41	16°10	21°22	n.a.	T 5
W 6	10 32 25	10° 6'24	16°50	26°52	21°57	18°57	14°R11	23° 3	10°21	3°40	13°37	17°32	16° 7	21°28	n.a.	W 6
T 7	10 36 21	11° 5'13	28°42	28°43	23°11	19°19	14°11	23° 6	10°21	3°40	13°36	17°22	16° 4	21°35	n.a.	T 7
F 8	10 40 18	12° 4'00	10♈34	0♓35	24°25	19°40	14°11	23° 9	10°22	3°40	13°35	17°11	16° 1	21°42	n.a.	F 8
S 9	10 44 14	13° 2'44	22°28	2°29	25°39	20° 2	14°11	23°12	10°23	3°40	13°33	17° 1	15°58	21°48	n.a.	S 9
S 10	10 48 11	14° 1'27	4♉28	4°24	26°53	20°24	14°10	23°15	10°24	3°40	13°32	16°53	15°55	21°55	n.a.	S 10
M11	10 52 8	15° 0'07	16°35	6°20	28° 7	20°47	14° 9	23°18	10°24	3°R40	13°30	16°47	15°51	22° 2	n.a.	M11
T 12	10 56 4	15°58'45	28°54	8°19	29°21	21° 9	14° 8	23°20	10°25	3°40	13°29	16°43	15°48	22° 9	n.a.	T 12
W13	11 0 1	16°57'20	11♊28	10°18	0♈35	21°32	14° 7	23°23	10°26	3°40	13°28	16°D41	15°45	22°15	n.a.	W13
T 14	11 3 57	17°55'54	24°22	12°19	1°49	21°56	14° 6	23°25	10°27	3°40	13°26	16°41	15°42	22°22	n.a.	T 14
F 15	11 7 54	18°54'25	7♋40	14°21	3° 3	22°19	14° 4	23°28	10°29	3°40	13°25	16°42	15°39	22°29	n.a.	F 15
S 16	11 11 50	19°52'53	21°24	16°25	4°17	22°43	14° 3	23°30	10°30	3°40	13°23	16°R42	15°35	22°35	n.a.	S 16
S 17	11 15 47	20°51'20	5♌37	18°29	5°31	23° 7	14° 1	23°32	10°31	3°40	13°22	16°41	15°32	22°42	n.a.	S 17
M18	11 19 43	21°49'44	20°16	20°35	6°44	23°32	13°59	23°34	10°32	3°39	13°20	16°37	15°29	22°49	n.a.	M18
T 19	11 23 40	22°48'06	5♍18	22°41	7°58	23°57	13°56	23°36	10°33	3°39	13°19	16°31	15°26	22°56	n.a.	T 19
W20	11 27 36	23°46'25	20°35	24°48	9°12	24°21	13°54	23°38	10°35	3°39	13°17	16°23	15°23	23° 2	n.a.	W20
T 21	11 31 33	24°44'43	5♎55	26°56	10°26	24°47	13°51	23°40	10°36	3°39	13°15	16°13	15°20	23° 9	n.a.	T 21
F 22	11 35 30	25°42'59	21° 8	29° 4	11°39	25°12	13°49	23°42	10°38	3°38	13°14	16° 3	15°16	23°16	n.a.	F 22
S 23	11 39 26	26°41'14	6♏ 2	1♈12	12°53	25°38	13°46	23°44	10°39	3°38	13°12	15°54	15°13	23°22	n.a.	S 23
S 24	11 43 23	27°39'26	20°31	3°20	14° 7	26° 4	13°42	23°45	10°41	3°37	13°11	15°47	15°10	23°29	n.a.	S 24
M25	11 47 19	28°37'37	4♐30	5°28	15°20	26°30	13°39	23°47	10°42	3°37	13° 9	15°43	15° 7	23°36	n.a.	M25
T 26	11 51 16	29°35'47	18° 0	7°34	16°34	26°56	13°36	23°48	10°44	3°37	13° 7	15°41	15° 4	23°43	n.a.	T 26
W27	11 55 12	0♈33'55	1♑ 3	9°40	17°47	27°22	13°32	23°49	10°46	3°36	13° 6	15°D40	15° 1	23°49	n.a.	W27
T 28	11 59 9	1°32'01	13°43	11°44	19° 1	27°49	13°28	23°51	10°47	3°36	13° 4	15°R40	14°57	23°56	n.a.	T 28
F 29	12 3 5	2°30'06	26° 4	13°47	20°14	28°16	13°24	23°52	10°49	3°35	13° 3	15°40	14°54	24° 3	n.a.	F 29
S 30	12 7 2	3°28'10	8♒12	15°47	21°28	28°43	13°20	23°53	10°51	3°35	13° 1	15°38	14°51	24° 9	n.a.	S 30
S 31	12 10 59	4♈26'11	20♒10	17♈45	22♈41	29♊11	13♏16	23♐54	10♊53	3♐34	12♎59	15♉34	14♉48	24♓16	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s44	22s48	0s 6	17s46	2s15	6s46	1s10	25n51	2n43	15s18	1n 2	22s56	0n38	22n27	0n10	19s49	1n22	9n19	16n 5	22s32	22s44	0n37		n.a.
S 2	9 22	19 40	0n59	17 13	2 14	6 15	1 9	25 52	2 42	15 18	1 3	22 56	0 38	22 27	0 10	19 49	1 22	9 19	16 5	22 32	22 44	0 40		n.a.
S 3	9 0	15 44	2 1	16 38	2 13	5 44	1 8	25 52	2 41	15 18	1 3	22 56	0 38	22 27	0 10	19 49	1 22	9 20	16 6	22 32	22 45	0 43		n.a.
M 4	8 37	11 13	2 57	16 1	2 12	5 14	1 6	25 53	2 40	15 18	1 3	22 56	0 38	22 27	0 10	19 49	1 22	9 21	16 6	22 33	22 45	0 46		n.a.
T 5	8 15	6 19	3 45	15 22	2 9	4 43	1 4	25 54	2 39	15 18	1 3	22 57	0 38	22 27	0 10	19 49	1 22	9 21	16 6	22 34	22 46	0 49		n.a.
W 6	7 53	1 14	4 23	14 42	2 7	4 12	1 3	25 54	2 38	15 18	1 3	22 57	0 37	22 27	0 10	19 49	1 22	9 22	16 7	22 35	22 46	0 52		n.a.
T 7	7 30	3n53	4 49	14 0	2 4	3 40	1 1	25 55	2 37	15 18	1 3	22 57	0 37	22 27	0 10	19 49	1 22	9 23	16 7	22 37	22 46	0 55		n.a.
F 8	7 7	8 52	5 3	13 17	2 0	3 9	1 0	25 56	2 35	15 18	1 3	22 57	0 37	22 27	0 10	19 49	1 22	9 24	16 7	22 38	22 47	0 58		n.a.
S 9	6 45	13 32	5 3	12 32	1 56	2 38	0 58	25 56	2 34	15 18	1 3	22 57	0 37	22 27	0 10	19 49	1 22	9 24	16 7	22 39	22 47	1 1		n.a.
S 10	6 22	17 44	4 51	11 45	1 51	2 6	0 56	25 57	2 33	15 18	1 3	22 57	0 37	22 27	0 10	19 49	1 22	9 25	16 8	22 40	22 48	1 4		n.a.
M11	5 59	21 14	4 25	10 57	1 46	1 35	0 54	25 57	2 32	15 17	1 3	22 58	0 37	22 28	0 10	19 49	1 22	9 26	16 8	22 41	22 48	1 7		n.a.
T 12	5 36	23 51	3 47	10 7	1 41	1 3	0 52	25 58	2 31	15 17	1 3	22 58	0 37	22 28	0 10	19 49	1 22	9 27	16 8	22 42	22 48	1 10		n.a.
W13	5 13	25 22	2 57	9 15	1 34	0 32	0 50	25 58	2 30	15 17	1 3	22 58	0 37	22 28	0 10	19 49	1 22	9 27	16 8	22 42	22 49	1 13		n.a.
T 14	4 50	25 34	1 56	8 22	1 27	0 0	0 48	25 59	2 29	15 16	1 4	22 58	0 37	22 28	0 10	19 49	1 22	9 28	16 8	22 42	22 49	1 16		n.a.
F 15	4 27	24 20	0 48	7 28	1 20	0n31	0 46	25 59	2 28	15 16	1 4	22 58	0 37	22 28	0 10	19 49	1 22	9 29	16 9	22 42	22 49	1 19		n.a.
S 16	4 3	21 37	0s25	6 32	1 12	1 3	0 44	26 0	2 27	15 15	1 4	22 58	0 37	22 28	0 10	19 49	1 22	9 30	16 9	22 42	22 50	1 22		n.a.
S 17	3 40	17 31	1 39	5 35	1 4	1 34	0 42	26 0	2 26	15 14	1 4	22 58	0 37	22 29	0 10	19 49	1 22	9 30	16 9	22 42	22 50	1 25		n.a.
M18	3 17	12 15	2 49	4 37	0 55	2 6	0 40	26 0	2 25	15 14	1 4	22 59	0 37	22 29	0 10	19 49	1 22	9 31	16 9	22 42	22 51	1 28		n.a.
T 19	2 54	6 9	3 48	3 38	0 46	2 37	0 38	26 0	2 23	15 13	1 4	22 59	0 37	22 29	0 10	19 49	1 22	9 32	16 9	22 43	22 51	1 31		n.a.
W20	2 30	0s23	4 33	2 38	0 36	3 9	0 36	26 0	2 22	15 12	1 4	22 59	0 37	22 29	0 10	19 49	1 22	9 33	16 9	22 44	22 51	1 34		n.a.
T 21	2 7	6 55	4 57	1 38	0 26	3 40	0 33	26 0	2 21	15 11	1 4	22 59	0 37	22 29	0 10	19 49	1 22	9 33	16 10	22 45	22 52	1 37		n.a.
F 22	1 43	12 59	5 1	0 37	0 16	4 12	0 31	26 0	2 20	15 10	1 4	22 59	0 37	22 30	0 10	19 49	1 22	9 34	16 10	22 47	22 52	1 40		n.a.
S 23	1 20	18 10	4 44	0n24	0 5	4 43	0 29	26 0	2 19	15 9	1 4	22 59	0 37	22 30	0 10	19 49	1 22	9 35	16 10	22 48	22 52	1 43		n.a.
S 24	0 57	22 6	4 9	1 26	0n 5	5 14	0 26	26 0	2 18	15 8	1 4	22 59	0 37	22 30	0 10	19 48	1 22	9 35	16 10	22 48	22 53	1 46		n.a.
M25	0 33	24 36	3 20	2 27	0 16	5 45	0 24	26 0	2 17	15 7	1 4	22 59	0 37	22 30	0 10	19 48	1 22	9 36	16 10	22 49	22 53	1 49		n.a.
T 26	0 10	25 33	2 21	3 28	0 27	6 16	0 22	25 59	2 16	15 6	1 4	22 59	0 37	22 30	0 10	19 48	1 22	9 37	16 10	22 49	22 53	1 52		n.a.
W27	0n14	25 2	1 17	4 28	0 38	6 47	0 19	25 59	2 15	15 5	1 4	22 59	0 37	22 31	0 10	19 48	1 22	9 38	16 10	22 49	22 54	1 55		n.a.
T 28	0 37	23 13	0 10	5 27	0 49	7 17	0 17	25 58	2 14	15 4	1 4	22 59	0 37	22 31	0 10	19 48	1 22	9 38	16 10	22 49	22 54	1 58		n.a.
F 29	1 0	20 19	0n55	6 25	1 0	7 48	0 14	25 58	2 13	15 3	1 4	23 0	0 37	22 31	0 10	19 48	1 23	9 39	16 10	22 49	22 55	2 1		n.a.
S 30	1 24	16 35	1 56	7 22	1 10	8 18	0 12	25 57	2 12	15 1	1 4	23 0	0 37	22 31	0 10	19 48	1 23	9 40	16 10	22 49	22 55	2 4		n.a.
S 31	1n47	12s14	2n52	8n17	1n20	8n48	0s 9	25n56	2n11	15s 0	1n 4	23s 0	0n37	22n32	0n10	19s48	1n23	9n40	16n10	22s50	22s55	2n 7		n.a.

Julian Day Number = 1544336.5, Delta T = 04h35m23s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'07, Lahiri = -10°39'07 Julian Calendar 1 March 485 BCE == Greg. Calendar 25 Feb. 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

APRIL 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 14 55	5♈24'12	2♓ 3	19♈41	23♈55	29♊38	13°R11	23♐54	10♊55	3°R33	12°R58	15°R27	14♑45	24♓23	n.a.	M 1
T 2	12 18 52	6°22'10	13°54	21°34	25° 8	0♋ 6	13♏ 7	23°55	10°57	3♐33	12♎56	15♑17	14°41	24°30	n.a.	T 2
W 3	12 22 48	7°20'07	25°44	23°24	26°21	0°34	13° 2	23°56	10°59	3°32	12°54	15° 4	14°38	24°36	n.a.	W 3
T 4	12 26 45	8°18'03	7♈37	25°11	27°35	1° 2	12°57	23°56	11° 1	3°31	12°53	14°51	14°35	24°43	n.a.	T 4
F 5	12 30 41	9°15'56	19°33	26°54	28°48	1°30	12°52	23°57	11° 3	3°30	12°51	14°37	14°32	24°50	n.a.	F 5
S 6	12 34 38	10°13'48	1♉33	28°35	0♉ 1	1°59	12°46	23°57	11° 5	3°30	12°49	14°23	14°29	24°56	n.a.	S 6
S 7	12 38 34	11°11'39	13°40	0♉12	1°15	2°27	12°41	23°57	11° 7	3°29	12°48	14°12	14°26	25° 3	n.a.	S 7
M 8	12 42 31	12° 9'28	25°54	1°45	2°28	2°56	12°36	23°57	11° 9	3°28	12°46	14° 3	14°22	25°10	n.a.	M 8
T 9	12 46 27	13° 7'15	8♊19	3°15	3°41	3°25	12°30	23°R57	11°12	3°27	12°44	13°57	14°19	25°17	n.a.	T 9
W10	12 50 24	14° 5'00	20°56	4°40	4°54	3°54	12°24	23°57	11°14	3°26	12°43	13°54	14°16	25°23	n.a.	W10
T 11	12 54 21	15° 2'44	3♋50	6° 3	6° 7	4°24	12°18	23°57	11°16	3°25	12°41	13°53	14°13	25°30	n.a.	T 11
F 12	12 58 17	16° 0'25	17° 3	7°21	7°21	4°53	12°12	23°57	11°19	3°24	12°39	13°53	14°10	25°37	n.a.	F 12
S 13	13 2 14	16°58'05	0♌40	8°35	8°34	5°23	12° 6	23°56	11°21	3°23	12°37	13°52	14° 6	25°43	n.a.	S 13
S 14	13 6 10	17°55'44	14°41	9°46	9°47	5°53	12° 0	23°56	11°24	3°23	12°36	13°51	14° 3	25°50	n.a.	S 14
M15	13 10 7	18°53'20	29° 8	10°52	11° 0	6°23	11°53	23°55	11°26	3°21	12°34	13°47	14° 0	25°57	n.a.	M15
T 16	13 14 3	19°50'55	13♍58	11°55	12°13	6°53	11°47	23°55	11°29	3°20	12°32	13°40	13°57	26° 4	n.a.	T 16
W17	13 18 0	20°48'28	29° 3	12°53	13°26	7°23	11°40	23°54	11°31	3°19	12°31	13°31	13°54	26°10	n.a.	W17
T 18	13 21 56	21°46'00	14♎17	13°47	14°39	7°53	11°34	23°53	11°34	3°18	12°29	13°21	13°51	26°17	n.a.	T 18
F 19	13 25 53	22°43'31	29°26	14°37	15°51	8°24	11°27	23°52	11°36	3°17	12°27	13°10	13°47	26°24	n.a.	F 19
S 20	13 29 50	23°41'00	14♏22	15°22	17° 4	8°55	11°20	23°51	11°39	3°16	12°26	13° 0	13°44	26°30	n.a.	S 20
S 21	13 33 46	24°38'29	28°55	16° 4	18°17	9°26	11°13	23°50	11°42	3°15	12°24	12°53	13°41	26°37	n.a.	S 21
M22	13 37 43	25°35'56	13♐ 1	16°40	19°30	9°56	11° 6	23°49	11°44	3°14	12°23	12°47	13°38	26°44	n.a.	M22
T 23	13 41 39	26°33'22	26°38	17°12	20°43	10°28	10°59	23°48	11°47	3°13	12°21	12°45	13°35	26°51	n.a.	T 23
W24	13 45 36	27°30'48	9♑46	17°40	21°55	10°59	10°52	23°46	11°50	3°11	12°19	12°D44	13°32	26°57	n.a.	W24
T 25	13 49 32	28°28'12	22°29	18° 3	23° 8	11°30	10°44	23°45	11°53	3°10	12°18	12°R44	13°28	27° 4	n.a.	T 25
F 26	13 53 29	29°25'36	4♒52	18°21	24°21	12° 2	10°37	23°43	11°56	3° 9	12°16	12°44	13°25	27°11	n.a.	F 26
S 27	13 57 26	0♉22'59	16°59	18°35	25°33	12°33	10°30	23°41	11°59	3° 8	12°15	12°43	13°22	27°17	n.a.	S 27
S 28	14 1 22	1°20'21	28°57	18°44	26°46	13° 5	10°22	23°40	12° 2	3° 6	12°13	12°39	13°19	27°24	n.a.	S 28
M29	14 5 19	2°17'43	10♓48	18°R48	27°59	13°37	10°15	23°38	12° 5	3° 5	12°11	12°34	13°16	27°31	n.a.	M29
T 30	14 9 15	3♉15'03	22♓39	18♉48	29♉11	14♋ 9	10♏ 7	23♐36	12♊ 8	3♐ 4	12♎10	12♑25	13♑12	27♓38	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n10	7s29	3n39	9n11	1n30	9n18	0s 7	25n56	2n10	14s59	1n 5	23s 0	0n37	22n32	0n10	19s47	1n23	9n41	16n10	22s51	22s56	2n10		n.a.
T 2	2 34	2 29	4 17	10 3	1 39	9 47	0 4	25 55	2 9	14 57	1 5	23 0	0 37	22 32	0 10	19 47	1 23	9 42	16 11	22 52	22 56	2 13		n.a.
W 3	2 57	2n36	4 43	10 52	1 48	10 17	0 1	25 54	2 8	14 56	1 5	23 0	0 37	22 33	0 10	19 47	1 23	9 42	16 11	22 53	22 56	2 16		n.a.
T 4	3 20	7 36	4 57	11 40	1 56	10 46	0n 1	25 53	2 7	14 54	1 5	23 0	0 37	22 33	0 10	19 47	1 23	9 43	16 11	22 55	22 57	2 18		n.a.
F 5	3 43	12 20	4 58	12 25	2 3	11 15	0 4	25 51	2 7	14 53	1 5	23 0	0 37	22 33	0 10	19 47	1 23	9 44	16 11	22 57	22 57	2 21		n.a.
S 6	4 6	16 38	4 46	13 8	2 10	11 44	0 6	25 50	2 6	14 51	1 5	23 0	0 37	22 33	0 10	19 47	1 23	9 44	16 11	22 58	22 57	2 24		n.a.
S 7	4 29	20 18	4 22	13 49	2 16	12 12	0 9	25 49	2 5	14 49	1 5	23 0	0 37	22 34	0 10	19 46	1 23	9 45	16 10	22 59	22 58	2 27		n.a.
M 8	4 52	23 7	3 44	14 27	2 22	12 40	0 12	25 47	2 4	14 48	1 5	23 0	0 37	22 34	0 10	19 46	1 23	9 45	16 10	23 0	22 58	2 30		n.a.
T 9	5 15	24 52	2 56	15 3	2 26	13 8	0 14	25 45	2 3	14 46	1 5	23 0	0 37	22 34	0 10	19 46	1 23	9 46	16 10	23 1	22 58	2 33		n.a.
W10	5 38	25 24	1 58	15 36	2 30	13 35	0 17	25 44	2 2	14 44	1 5	23 0	0 37	22 35	0 10	19 46	1 23	9 47	16 10	23 1	22 59	2 36		n.a.
T 11	6 0	24 35	0 53	16 7	2 33	14 3	0 19	25 42	2 1	14 42	1 5	23 0	0 37	22 35	0 10	19 46	1 23	9 47	16 10	23 1	22 59	2 39		n.a.
F 12	6 23	22 22	0s17	16 35	2 36	14 29	0 22	25 40	2 0	14 41	1 5	23 0	0 37	22 35	0 10	19 45	1 23	9 48	16 10	23 1	22 59	2 42		n.a.
S 13	6 45	18 51	1 27	17 1	2 37	14 56	0 25	25 38	1 59	14 39	1 5	23 0	0 37	22 36	0 10	19 45	1 23	9 48	16 10	23 1	23 0	2 45		n.a.
S 14	7 7	14 10	2 35	17 25	2 37	15 22	0 27	25 35	1 58	14 37	1 5	23 0	0 37	22 36	0 10	19 45	1 23	9 49	16 10	23 1	23 0	2 48		n.a.
M15	7 30	8 35	3 35	17 46	2 37	15 48	0 30	25 33	1 57	14 35	1 5	23 0	0 37	22 36	0 10	19 45	1 23	9 49	16 10	23 2	23 0	2 51		n.a.
T 16	7 52	2 22	4 22	18 4	2 35	16 13	0 32	25 31	1 56	14 33	1 5	23 0	0 37	22 37	0 10	19 45	1 23	9 50	16 10	23 3	23 1	2 54		n.a.
W17	8 14	4s 4	4 51	18 20	2 33	16 38	0 35	25 28	1 56	14 31	1 5	23 0	0 37	22 37	0 10	19 44	1 23	9 51	16 10	23 3	23 1	2 57		n.a.
T 18	8 35	10 18	5 0	18 34	2 30	17 2	0 38	25 25	1 55	14 29	1 5	23 0	0 37	22 38	0 10	19 44	1 23	9 51	16 10	23 5	23 1	3 0		n.a.
F 19	8 57	15 54	4 49	18 45	2 26	17 27	0 40	25 23	1 54	14 27	1 4	23 0	0 37	22 38	0 10	19 44	1 23	9 52	16 9	23 6	23 2	3 3		n.a.
S 20	9 19	20 27	4 17	18 54	2 21	17 50	0 43	25 20	1 53	14 25	1 4	23 0	0 37	22 38	0 10	19 44	1 23	9 52	16 9	23 7	23 2	3 6		n.a.
S 21	9 40	23 35	3 30	19 0	2 15	18 13	0 45	25 17	1 52	14 22	1 4	23 0	0 37	22 39	0 10	19 43	1 23	9 53	16 9	23 7	23 2	3 9		n.a.
M22	10 1	25 9	2 30	19 4	2 8	18 36	0 48	25 13	1 51	14 20	1 4	23 0	0 37	22 39	0 10	19 43	1 23	9 53	16 9	23 8	23 3	3 12		n.a.
T 23	10 22	25 7	1 24	19 6	2 0	18 58	0 50	25 10	1 50	14 18	1 4	23 0	0 36	22 39	0 10	19 43	1 23	9 53	16 9	23 8	23 3	3 14		n.a.
W24	10 43	23 39	0 16	19 5	1 51	19 20	0 53	25 7	1 49	14 16	1 4	23 0	0 36	22 40	0 10	19 43	1 23	9 54	16 9	23 8	23 3	3 17		n.a.
T 25	11 4	21 0	0n51	19 3	1 41	19 41	0 55	25 3	1 49	14 14	1 4	23 0	0 36	22 40	0 10	19 42	1 23	9 54	16 8	23 8	23 4	3 20		n.a.
F 26	11 25	17 27	1 55	18 57	1 30	20 2	0 58	24 59	1 48	14 11	1 4	23 0	0 36	22 41	0 10	19 42	1 23	9 55	16 8	23 8	23 4	3 23		n.a.
S 27	11 45	13 14	2 51	18 50	1 18	20 22	1 0	24 56	1 47	14 9	1 4	23 0	0 36	22 41	0 10	19 42	1 23	9 55	16 8	23 8	23 4	3 26		n.a.
S 28	12 6	8 34	3 39	18 40	1 6	20 42	1 2	24 52	1 46	14 7	1 4	23 0	0 36	22 41	0 10	19 42	1 23	9 56	16 8	23 9	23 5	3 29		n.a.
M29	12 26	3 39	4 17	18 29	0 52	21 1	1 5	24 48	1 45	14 5	1 4	23 0	0 36	22 42	0 10	19 41	1 23	9 56	16 7	23 9	23 5	3 32		n.a.
T 30	12n46	1n23	4n44	18n15	0n38	21n20	1n 7	24n43	1n44	14s 2	1n 4	23s 0	0n36	22n42	0n10	19s41	1n23	9n56	16n 7	23s10	23s 5	3n35		n.a.

Julian Day Number = 1544367.5, Delta T = 04h35m22s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°46'03, Lahiri = -10°39'03 Julian Calendar 1 Apr. 485 BCE == Greg. Calendar 27 March 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

MAY 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 13 12	4♉12'23	4♈31	18°R43	0♊24	14♋41	10°R 0	23°R34	12♊11	3°R 2	12°R 8	12°R15	13♑ 9	27♓44	n.a.	W 1
T 2	14 17 8	5° 9'42	16°27	18♉34	1°36	15°13	9♏52	23♐32	12°14	3♐ 1	12♎ 7	12♑ 3	13° 6	27°51	n.a.	T 2
F 3	14 21 5	6° 7'00	28°29	18°21	2°49	15°45	9°45	23°29	12°17	3° 0	12° 5	11°51	13° 3	27°58	n.a.	F 3
S 4	14 25 1	7° 4'18	10♉39	18° 4	4° 1	16°18	9°37	23°27	12°20	2°58	12° 4	11°40	13° 0	28° 5	n.a.	S 4
S 5	14 28 58	8° 1'34	22°57	17°43	5°13	16°50	9°29	23°25	12°23	2°57	12° 2	11°30	12°57	28°11	n.a.	S 5
M 6	14 32 54	8°58'50	5♊24	17°19	6°26	17°23	9°22	23°22	12°26	2°55	12° 1	11°22	12°53	28°18	n.a.	M 6
T 7	14 36 51	9°56'05	18° 2	16°52	7°38	17°56	9°14	23°20	12°29	2°54	11°59	11°17	12°50	28°25	n.a.	T 7
W 8	14 40 48	10°53'20	0♋51	16°23	8°50	18°29	9° 6	23°17	12°32	2°52	11°58	11°15	12°47	28°31	n.a.	W 8
T 9	14 44 44	11°50'33	13°54	15°52	10° 3	19° 2	8°59	23°15	12°36	2°51	11°57	11°D14	12°44	28°38	n.a.	T 9
F 10	14 48 41	12°47'45	27°12	15°19	11°15	19°35	8°51	23°12	12°39	2°49	11°55	11°15	12°41	28°45	n.a.	F 10
S 11	14 52 37	13°44'57	10♌49	14°46	12°27	20° 8	8°44	23° 9	12°42	2°48	11°54	11°R16	12°38	28°52	n.a.	S 11
S 12	14 56 34	14°42'07	24°44	14°12	13°39	20°41	8°36	23° 6	12°46	2°46	11°53	11°15	12°34	28°58	n.a.	S 12
M13	15 0 30	15°39'16	8♍59	13°38	14°51	21°15	8°28	23° 3	12°49	2°45	11°51	11°13	12°31	29° 5	n.a.	M13
T 14	15 4 27	16°36'25	23°31	13° 6	16° 3	21°48	8°21	23° 0	12°52	2°43	11°50	11° 9	12°28	29°12	n.a.	T 14
W15	15 8 24	17°33'33	8♎17	12°34	17°15	22°22	8°13	22°57	12°56	2°42	11°49	11° 3	12°25	29°18	n.a.	W15
T 16	15 12 20	18°30'40	23°10	12° 5	18°27	22°56	8° 6	22°54	12°59	2°40	11°47	10°55	12°22	29°25	n.a.	T 16
F 17	15 16 17	19°27'47	8♏ 1	11°38	19°39	23°29	7°59	22°50	13° 2	2°39	11°46	10°48	12°18	29°32	n.a.	F 17
S 18	15 20 13	20°24'54	22°43	11°14	20°51	24° 3	7°51	22°47	13° 6	2°37	11°45	10°40	12°15	29°39	n.a.	S 18
S 19	15 24 10	21°22'00	7♐ 7	10°53	22° 3	24°37	7°44	22°44	13° 9	2°36	11°44	10°35	12°12	29°45	n.a.	S 19
M20	15 28 6	22°19'06	21° 9	10°36	23°14	25°11	7°37	22°40	13°13	2°34	11°43	10°31	12° 9	29°52	n.a.	M20
T 21	15 32 3	23°16'11	4♑45	10°23	24°26	25°46	7°30	22°37	13°16	2°32	11°41	10°D30	12° 6	29°59	n.a.	T 21
W22	15 35 59	24°13'17	17°55	10°15	25°38	26°20	7°23	22°33	13°19	2°31	11°40	10°30	12° 3	0♈ 5	n.a.	W22
T 23	15 39 56	25°10'23	0♒41	10°D10	26°49	26°54	7°16	22°30	13°23	2°29	11°39	10°31	11°59	0°12	n.a.	T 23
F 24	15 43 53	26° 7'28	13° 7	10°11	28° 1	27°29	7° 9	22°26	13°26	2°28	11°38	10°32	11°56	0°19	n.a.	F 24
S 25	15 47 49	27° 4'34	25°18	10°16	29°13	28° 3	7° 2	22°22	13°30	2°26	11°37	10°R33	11°53	0°26	n.a.	S 25
S 26	15 51 46	28° 1'40	7♓17	10°25	0♋24	28°38	6°55	22°18	13°34	2°24	11°36	10°32	11°50	0°32	n.a.	S 26
M27	15 55 42	28°58'46	19°10	10°40	1°36	29°13	6°49	22°15	13°37	2°23	11°35	10°30	11°47	0°39	n.a.	M27
T 28	15 59 39	29°55'52	1♈ 2	11° 0	2°47	29°47	6°42	22°11	13°41	2°21	11°34	10°26	11°43	0°46	n.a.	T 28
W29	16 3 35	0♊52'58	12°57	11°24	3°58	0♌22	6°36	22° 7	13°44	2°20	11°33	10°21	11°40	0°53	n.a.	W29
T 30	16 7 32	1°50'05	24°57	11°53	5°10	0°57	6°29	22° 3	13°48	2°18	11°32	10°15	11°37	0°59	n.a.	T 30
F 31	16 11 28	2♊47'12	7♉ 7	12♉27	6♋21	1♌32	6♏23	21♐59	13♊51	2♐16	11♎31	10♑ 8	11♑34	1♈ 6	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	13n 5	6n23	4n59	17n59	0n23	21n38	1n 9	24n39	1n44	14s 0	1n 4	23s 0	0n36	22n43	0n10	19s41	1n23	9n57	16n 7	23s11	23s 6	3n38			n.a.
T 2	13 25	11 10	5 1	17 42	0 8	21 55	1 11	24 34	1 43	13 58	1 4	22 59	0 36	22 43	0 10	19 40	1 23	9 57	16 7	23 12	23 6	3 41			n.a.
F 3	13 44	15 34	4 49	17 23	0s 9	22 12	1 14	24 30	1 42	13 55	1 3	22 59	0 36	22 43	0 10	19 40	1 23	9 57	16 6	23 13	23 6	3 44			n.a.
S 4	14 3	19 24	4 25	17 2	0 25	22 28	1 16	24 25	1 41	13 53	1 3	22 59	0 36	22 44	0 10	19 40	1 23	9 58	16 6	23 14	23 7	3 47			n.a.
S 5	14 22	22 25	3 47	16 40	0 42	22 44	1 18	24 20	1 40	13 51	1 3	22 59	0 36	22 44	0 10	19 40	1 23	9 58	16 6	23 15	23 7	3 49			n.a.
M 6	14 41	24 25	2 59	16 17	0 59	22 59	1 20	24 15	1 39	13 48	1 3	22 59	0 36	22 45	0 10	19 39	1 23	9 58	16 6	23 16	23 7	3 52			n.a.
T 7	14 59	25 12	2 1	15 53	1 16	23 13	1 22	24 10	1 39	13 46	1 3	22 59	0 36	22 45	0 10	19 39	1 23	9 58	16 5	23 16	23 8	3 55			n.a.
W 8	15 17	24 40	0 55	15 29	1 33	23 27	1 24	24 5	1 38	13 44	1 3	22 59	0 36	22 45	0 10	19 39	1 23	9 59	16 5	23 16	23 8	3 58			n.a.
T 9	15 35	22 47	0s14	15 4	1 49	23 40	1 26	23 59	1 37	13 41	1 3	22 59	0 36	22 46	0 10	19 38	1 23	9 59	16 5	23 16	23 8	4 1			n.a.
F 10	15 53	19 37	1 24	14 38	2 6	23 52	1 28	23 53	1 36	13 39	1 3	22 59	0 36	22 46	0 10	19 38	1 23	9 59	16 4	23 16	23 8	4 4			n.a.
S 11	16 10	15 20	2 31	14 14	2 21	24 4	1 29	23 48	1 35	13 37	1 2	22 59	0 36	22 47	0 10	19 38	1 23	9 59	16 4	23 16	23 9	4 7			n.a.
S 12	16 28	10 8	3 31	13 49	2 36	24 15	1 31	23 42	1 35	13 34	1 2	22 59	0 36	22 47	0 10	19 38	1 23	10 0	16 4	23 16	23 9	4 10			n.a.
M13	16 45	4 19	4 19	13 26	2 51	24 25	1 33	23 36	1 34	13 32	1 2	22 58	0 36	22 48	0 10	19 37	1 23	10 0	16 3	23 16	23 9	4 13			n.a.
T 14	17 1	1s51	4 52	13 3	3 4	24 35	1 34	23 30	1 33	13 30	1 2	22 58	0 36	22 48	0 10	19 37	1 23	10 0	16 3	23 17	23 10	4 16			n.a.
W15	17 18	7 59	5 5	12 42	3 16	24 44	1 36	23 23	1 32	13 27	1 2	22 58	0 36	22 49	0 10	19 37	1 23	10 0	16 3	23 17	23 10	4 18			n.a.
T 16	17 34	13 44	4 59	12 23	3 27	24 52	1 38	23 17	1 31	13 25	1 2	22 58	0 36	22 49	0 10	19 36	1 23	10 0	16 2	23 18	23 10	4 21			n.a.
F 17	17 50	18 39	4 32	12 5	3 37	24 59	1 39	23 10	1 31	13 23	1 2	22 58	0 36	22 49	0 10	19 36	1 23	10 0	16 2	23 19	23 11	4 24			n.a.
S 18	18 5	22 22	3 48	11 50	3 45	25 6	1 40	23 3	1 30	13 21	1 1	22 58	0 35	22 50	0 10	19 36	1 23	10 1	16 1	23 19	23 11	4 27			n.a.
S 19	18 20	24 34	2 50	11 37	3 52	25 12	1 42	22 56	1 29	13 18	1 1	22 58	0 35	22 50	0 10	19 35	1 23	10 1	16 1	23 20	23 11	4 30			n.a.
M20	18 35	25 9	1 42	11 26	3 58	25 18	1 43	22 49	1 28	13 16	1 1	22 58	0 35	22 51	0 10	19 35	1 23	10 1	16 1	23 20	23 11	4 33			n.a.
T 21	18 50	24 11	0 31	11 18	4 2	25 22	1 44	22 42	1 28	13 14	1 1	22 57	0 35	22 51	0 10	19 35	1 23	10 1	16 0	23 20	23 12	4 36			n.a.
W22	19 4	21 53	0n40	11 12	4 5	25 26	1 45	22 35	1 27	13 12	1 1	22 57	0 35	22 52	0 10	19 34	1 23	10 1	16 0	23 20	23 12	4 39			n.a.
T 23	19 19	18 32	1 47	11 9	4 7	25 29	1 46	22 27	1 26	13 10	1 1	22 57	0 35	22 52	0 10	19 34	1 23	10 1	15 59	23 20	23 12	4 42			n.a.
F 24	19 32	14 26	2 47	11 9	4 8	25 32	1 47	22 20	1 25	13 8	1 0	22 57	0 35	22 52	0 10	19 34	1 23	10 1	15 59	23 20	23 13	4 44			n.a.
S 25	19 46	9 50	3 38	11 11	4 7	25 33	1 48	22 12	1 24	13 6	1 0	22 57	0 35	22 53	0 10	19 34	1 23	10 1	15 58	23 20	23 13	4 47			n.a.
S 26	19 59	4 57	4 19	11 16	4 5	25 34	1 49	22 4	1 24	13 4	1 0	22 57	0 35	22 53	0 10	19 33	1 23	10 1	15 58	23 20	23 13	4 50			n.a.
M27	20 12	0n 5	4 48	11 23	4 2	25 35	1 50	21 56	1 23	13 2	1 0	22 57	0 35	22 54	0 10	19 33	1 23	10 1	15 58	23 20	23 13	4 53			n.a.
T 28	20 24	5 5	5 5	11 33	3 59	25 34	1 51	21 48	1 22	13 0	1 0	22 56	0 35	22 54	0 10	19 33	1 23	10 1	15 57	23 20	23 14	4 56			n.a.
W29	20 36	9 55	5 9	11 45	3 54	25 33	1 51	21 40	1 21	12 58	0 59	22 56	0 35	22 55	0 10	19 32	1 23	10 1	15 57	23 21	23 14	4 59			n.a.
T 30	20 48	14 25	4 59	11 59	3 48	25 31	1 52	21 31	1 21	12 56	0 59	22 56	0 35	22 55	0 10	19 32	1 23	10 1	15 56	23 21	23 14	5 2			n.a.
F 31	20n59	18n24	4n36	12n16	3s41	25n28	1n52	21n23	1n20	12s54	0n59	22s56	0n35	22n56	0n10	19s32	1n23	10n 1	15n56	23s22	23s15	5n 4			n.a.

Julian Day Number = 1544397.5, Delta T = 04h35m21s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'59, Lahiri = -10°38'59 Julian Calendar 1 May 485 BCE == Greg. Calendar 26 Apr. 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

JUNE 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 15 25	3♊44'19	19♉27	13♉ 6	7♋32	2♌ 8	6°R17	21°R55	13♊55	2°R15	11°R31	10°R 2	11♑31	1♈13	n.a.	S 1
S 2	16 19 22	4°41'26	1♊58	13°49	8°43	2°43	6♏11	21♐51	13°59	2♐13	11♎30	9♑56	11°28	1°19	n.a.	S 2
M 3	16 23 18	5°38'34	14°42	14°37	9°55	3°18	6° 5	21°47	14° 2	2°11	11°29	9°52	11°24	1°26	n.a.	M 3
T 4	16 27 15	6°35'41	27°39	15°30	11° 6	3°54	5°59	21°42	14° 6	2°10	11°28	9°50	11°21	1°33	n.a.	T 4
W 5	16 31 11	7°32'49	10♋48	16°27	12°17	4°29	5°54	21°38	14° 9	2° 8	11°27	9°D50	11°18	1°40	n.a.	W 5
T 6	16 35 8	8°29'57	24°10	17°29	13°28	5° 5	5°49	21°34	14°13	2° 7	11°27	9°50	11°15	1°46	n.a.	T 6
F 7	16 39 4	9°27'05	7♌44	18°35	14°39	5°41	5°43	21°30	14°17	2° 5	11°26	9°52	11°12	1°53	n.a.	F 7
S 8	16 43 1	10°24'13	21°30	19°46	15°49	6°16	5°38	21°25	14°20	2° 3	11°25	9°53	11° 9	2° 0	n.a.	S 8
S 9	16 46 58	11°21'21	5♍29	21° 1	17° 0	6°52	5°33	21°21	14°24	2° 2	11°25	9°R54	11° 5	2° 6	n.a.	S 9
M10	16 50 54	12°18'29	19°39	22°20	18°11	7°28	5°28	21°17	14°28	2° 0	11°24	9°54	11° 2	2°13	n.a.	M10
T 11	16 54 51	13°15'37	3♎58	23°43	19°22	8° 4	5°24	21°12	14°31	1°59	11°24	9°53	10°59	2°20	n.a.	T 11
W12	16 58 47	14°12'45	18°23	25°10	20°32	8°40	5°19	21° 8	14°35	1°57	11°23	9°50	10°56	2°27	n.a.	W12
T 13	17 2 44	15° 9'54	2♏51	26°42	21°43	9°16	5°15	21° 4	14°38	1°56	11°23	9°47	10°53	2°33	n.a.	T 13
F 14	17 6 40	16° 7'03	17°16	28°17	22°53	9°53	5°10	20°59	14°42	1°54	11°22	9°44	10°49	2°40	n.a.	F 14
S 15	17 10 37	17° 4'12	1♐32	29°56	24° 4	10°29	5° 6	20°55	14°46	1°52	11°22	9°41	10°46	2°47	n.a.	S 15
S 16	17 14 33	18° 1'22	15°36	1♊38	25°14	11° 5	5° 2	20°50	14°49	1°51	11°21	9°39	10°43	2°54	n.a.	S 16
M17	17 18 30	18°58'32	29°22	3°24	26°24	11°42	4°59	20°46	14°53	1°49	11°21	9°38	10°40	3° 0	n.a.	M17
T 18	17 22 27	19°55'43	12♑47	5°14	27°34	12°18	4°55	20°42	14°57	1°48	11°21	9°D37	10°37	3° 7	n.a.	T 18
W19	17 26 23	20°52'55	25°52	7° 6	28°45	12°55	4°52	20°37	15° 0	1°46	11°20	9°38	10°34	3°14	n.a.	W19
T 20	17 30 20	21°50'08	8♒37	9° 1	29°55	13°32	4°48	20°33	15° 4	1°45	11°20	9°39	10°30	3°20	n.a.	T 20
F 21	17 34 16	22°47'22	21° 4	10°58	1♌ 5	14° 8	4°45	20°28	15° 7	1°43	11°20	9°41	10°27	3°27	n.a.	F 21
S 22	17 38 13	23°44'37	3♓16	12°58	2°15	14°45	4°43	20°24	15°11	1°42	11°20	9°42	10°24	3°34	n.a.	S 22
S 23	17 42 9	24°41'52	15°17	15° 0	3°24	15°22	4°40	20°19	15°15	1°40	11°19	9°43	10°21	3°41	n.a.	S 23
M24	17 46 6	25°39'09	27°12	17° 3	4°34	15°59	4°37	20°15	15°18	1°39	11°19	9°R43	10°18	3°47	n.a.	M24
T 25	17 50 2	26°36'27	9♈ 5	19° 7	5°44	16°36	4°35	20°11	15°22	1°38	11°19	9°42	10°15	3°54	n.a.	T 25
W26	17 53 59	27°33'46	21° 2	21°12	6°53	17°13	4°33	20° 6	15°25	1°36	11°19	9°41	10°11	4° 1	n.a.	W26
T 27	17 57 56	28°31'06	3♉ 5	23°18	8° 3	17°50	4°31	20° 2	15°29	1°35	11°D19	9°40	10° 8	4° 8	n.a.	T 27
F 28	18 1 52	29°28'28	15°19	25°23	9°12	18°28	4°29	19°58	15°33	1°33	11°19	9°39	10° 5	4°14	n.a.	F 28
S 29	18 5 49	0♋25'51	27°47	27°29	10°22	19° 5	4°27	19°53	15°36	1°32	11°19	9°37	10° 2	4°21	n.a.	S 29
S 30	18 9 45	1♋23'15	10♊31	29♊35	11♌31	19♌43	4♏26	19♐49	15♊40	1♐31	11♎19	9♑36	9♑59	4♈28	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n11	21n40	4n 0	12n35	3s34	25n24	1n52	21n14	1n19	12s52	0n59	22s56	0n35	22n56	0n10	19s31	1n23	10n 0	15n55	23s22	23s15	5n 7		n.a.
S 2	21 21	23 57	3 11	12 56	3 25	25 20	1 53	21 5	1 18	12 50	0 58	22 55	0 35	22 56	0 10	19 31	1 23	10 0	15 55	23 23	23 15	5 10		n.a.
M 3	21 32	25 4	2 13	13 19	3 16	25 15	1 53	20 56	1 18	12 49	0 58	22 55	0 34	22 57	0 10	19 31	1 23	10 0	15 54	23 23	23 15	5 13		n.a.
T 4	21 42	24 50	1 6	13 43	3 7	25 10	1 53	20 47	1 17	12 47	0 58	22 55	0 34	22 57	0 10	19 30	1 23	10 0	15 54	23 23	23 16	5 16		n.a.
W 5	21 51	23 13	0s 5	14 10	2 56	25 3	1 53	20 37	1 16	12 45	0 58	22 55	0 34	22 58	0 10	19 30	1 23	10 0	15 53	23 23	23 16	5 19		n.a.
T 6	22 1	20 17	1 18	14 37	2 46	24 56	1 53	20 28	1 15	12 44	0 58	22 55	0 34	22 58	0 10	19 30	1 23	10 0	15 53	23 23	23 16	5 21		n.a.
F 7	22 10	16 13	2 27	15 7	2 35	24 48	1 53	20 18	1 15	12 42	0 57	22 55	0 34	22 59	0 10	19 29	1 23	9 59	15 52	23 23	23 17	5 24		n.a.
S 8	22 18	11 14	3 28	15 37	2 23	24 40	1 53	20 9	1 14	12 41	0 57	22 54	0 34	22 59	0 10	19 29	1 23	9 59	15 52	23 23	23 17	5 27		n.a.
S 9	22 26	5 37	4 19	16 8	2 11	24 31	1 52	19 59	1 13	12 39	0 57	22 54	0 34	23 0	0 10	19 29	1 23	9 59	15 51	23 23	23 17	5 30		n.a.
M10	22 34	0s21	4 54	16 41	1 59	24 21	1 52	19 49	1 12	12 38	0 57	22 54	0 34	23 0	0 10	19 29	1 23	9 59	15 51	23 23	23 17	5 33		n.a.
T 11	22 41	6 21	5 12	17 14	1 46	24 10	1 51	19 39	1 12	12 36	0 56	22 54	0 34	23 0	0 10	19 28	1 23	9 58	15 50	23 23	23 18	5 36		n.a.
W12	22 48	12 4	5 10	17 48	1 34	23 59	1 51	19 28	1 11	12 35	0 56	22 53	0 34	23 1	0 10	19 28	1 23	9 58	15 50	23 23	23 18	5 38		n.a.
T 13	22 55	17 7	4 49	18 22	1 21	23 47	1 50	19 18	1 10	12 34	0 56	22 53	0 34	23 1	0 10	19 28	1 23	9 58	15 49	23 23	23 18	5 41		n.a.
F 14	23 1	21 11	4 9	18 56	1 8	23 35	1 49	19 7	1 9	12 33	0 56	22 53	0 34	23 2	0 10	19 27	1 23	9 58	15 48	23 23	23 18	5 44		n.a.
S 15	23 7	23 54	3 14	19 30	0 55	23 21	1 48	18 57	1 9	12 32	0 55	22 53	0 34	23 2	0 10	19 27	1 23	9 57	15 48	23 24	23 19	5 47		n.a.
S 16	23 12	25 5	2 8	20 4	0 43	23 8	1 47	18 46	1 8	12 30	0 55	22 53	0 33	23 3	0 10	19 27	1 23	9 57	15 47	23 24	23 19	5 50		n.a.
M17	23 17	24 41	0 56	20 37	0 30	22 53	1 46	18 35	1 7	12 29	0 55	22 52	0 33	23 3	0 10	19 27	1 23	9 56	15 47	23 24	23 19	5 53		n.a.
T 18	23 22	22 50	0n17	21 10	0 18	22 38	1 45	18 24	1 7	12 28	0 55	22 52	0 33	23 3	0 10	19 26	1 23	9 56	15 46	23 24	23 19	5 55		n.a.
W19	23 26	19 48	1 28	21 41	0 5	22 23	1 44	18 13	1 6	12 28	0 54	22 52	0 33	23 4	0 10	19 26	1 23	9 56	15 46	23 24	23 20	5 58		n.a.
T 20	23 30	15 53	2 33	22 12	0n 6	22 6	1 43	18 1	1 5	12 27	0 54	22 52	0 33	23 4	0 10	19 26	1 23	9 55	15 45	23 24	23 20	6 1		n.a.
F 21	23 33	11 22	3 29	22 40	0 18	21 49	1 41	17 50	1 4	12 26	0 54	22 51	0 33	23 5	0 10	19 25	1 23	9 55	15 45	23 24	23 20	6 4		n.a.
S 22	23 36	6 29	4 14	23 7	0 28	21 32	1 40	17 38	1 4	12 25	0 54	22 51	0 33	23 5	0 10	19 25	1 23	9 54	15 44	23 24	23 20	6 7		n.a.
S 23	23 39	1 27	4 48	23 32	0 39	21 14	1 38	17 26	1 3	12 24	0 53	22 51	0 33	23 6	0 10	19 25	1 23	9 54	15 43	23 24	23 21	6 9		n.a.
M24	23 41	3n35	5 8	23 55	0 48	20 56	1 36	17 15	1 2	12 24	0 53	22 51	0 33	23 6	0 10	19 25	1 23	9 54	15 43	23 24	23 21	6 12		n.a.
T 25	23 43	8 28	5 16	24 15	0 57	20 37	1 34	17 3	1 1	12 23	0 53	22 51	0 33	23 6	0 10	19 24	1 23	9 53	15 42	23 24	23 21	6 15		n.a.
W26	23 44	13 5	5 10	24 33	1 6	20 17	1 32	16 50	1 1	12 23	0 53	22 50	0 33	23 7	0 10	19 24	1 23	9 53	15 42	23 24	23 21	6 18		n.a.
T 27	23 45	17 14	4 50	24 48	1 13	19 57	1 30	16 38	1 0	12 22	0 52	22 50	0 32	23 7	0 10	19 24	1 23	9 52	15 41	23 24	23 22	6 21		n.a.
F 28	23 45	20 44	4 17	25 0	1 20	19 36	1 28	16 26	0 59	12 22	0 52	22 50	0 32	23 8	0 10	19 24	1 23	9 51	15 41	23 24	23 22	6 23		n.a.
S 29	23 45	23 21	3 31	25 10	1 26	19 15	1 26	16 13	0 59	12 22	0 52	22 50	0 32	23 8	0 10	19 23	1 23	9 51	15 40	23 24	23 22	6 26		n.a.
S 30	23n45	24n52	2n34	25n17	1n31	18n54	1n24	16n 1	0n58	12s21	0n52	22s49	0n32	23n 8	0n10	19s23	1n23	9n50	15n39	23s24	23s22	6n29		n.a.

Julian Day Number = 1544428.5, Delta T = 04h35m20s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'55, Lahiri = -10°38'54 Julian Calendar 1 June 485 BCE == Greg. Calendar 27 May 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

JULY 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 13 42	2♋20'40	23♊31	1♋40	12♌40	20♌20	4°R25	19°R45	15♊43	1°R29	11♎19	9°R36	9♑55	4♈34	n.a.	M 1
T 2	18 17 38	3°18'06	6♋49	3°44	13°49	20°58	4♏24	19♐40	15°47	1♐28	11°19	9°D36	9°52	4°41	n.a.	T 2
W 3	18 21 35	4°15'33	20°22	5°48	14°58	21°35	4°23	19°36	15°50	1°27	11°20	9♑36	9°49	4°48	n.a.	W 3
T 4	18 25 32	5°13'02	4♌ 9	7°50	16° 7	22°13	4°22	19°32	15°54	1°25	11°20	9°36	9°46	4°55	n.a.	T 4
F 5	18 29 28	6°10'31	18° 8	9°52	17°16	22°51	4°21	19°28	15°57	1°24	11°20	9°36	9°43	5° 1	n.a.	F 5
S 6	18 33 25	7° 8'01	2♍15	11°52	18°25	23°29	4°21	19°24	16° 1	1°23	11°20	9°37	9°40	5° 8	n.a.	S 6
S 7	18 37 21	8° 5'33	16°27	13°51	19°33	24° 7	4°D21	19°20	16° 4	1°22	11°21	9°37	9°36	5°15	n.a.	S 7
M 8	18 41 18	9° 3'05	0♎42	15°48	20°42	24°45	4°21	19°16	16° 8	1°20	11°21	9°37	9°33	5°22	n.a.	M 8
T 9	18 45 14	10° 0'38	14°57	17°44	21°50	25°23	4°21	19°12	16°11	1°19	11°21	9°37	9°30	5°28	n.a.	T 9
W10	18 49 11	10°58'12	29° 8	19°39	22°59	26° 1	4°22	19° 8	16°14	1°18	11°22	9°37	9°27	5°35	n.a.	W10
T 11	18 53 7	11°55'48	13♏15	21°32	24° 7	26°39	4°22	19° 4	16°18	1°17	11°22	9°37	9°24	5°42	n.a.	T 11
F 12	18 57 4	12°53'24	27°13	23°24	25°15	27°18	4°23	19° 0	16°21	1°16	11°23	9°37	9°21	5°48	n.a.	F 12
S 13	19 1 1	13°51'02	11♐ 2	25°15	26°23	27°56	4°24	18°56	16°24	1°15	11°23	9°38	9°17	5°55	n.a.	S 13
S 14	19 4 57	14°48'41	24°39	27° 3	27°31	28°34	4°25	18°52	16°28	1°14	11°24	9°38	9°14	6° 2	n.a.	S 14
M15	19 8 54	15°46'21	8♑ 2	28°51	28°38	29°13	4°27	18°49	16°31	1°13	11°24	9°R38	9°11	6° 9	n.a.	M15
T 16	19 12 50	16°44'03	21°10	0♌37	29°46	29°51	4°28	18°45	16°34	1°12	11°25	9°38	9° 8	6°15	n.a.	T 16
W17	19 16 47	17°41'47	4♒ 2	2°21	0♍53	0♍30	4°30	18°41	16°38	1°11	11°26	9°37	9° 5	6°22	n.a.	W17
T 18	19 20 43	18°39'31	16°39	4° 5	2° 1	1° 9	4°32	18°38	16°41	1°10	11°26	9°37	9° 1	6°29	n.a.	T 18
F 19	19 24 40	19°37'18	29° 2	5°46	3° 8	1°48	4°34	18°34	16°44	1° 9	11°27	9°35	8°58	6°35	n.a.	F 19
S 20	19 28 36	20°35'06	11♓12	7°27	4°15	2°26	4°36	18°31	16°47	1° 8	11°28	9°34	8°55	6°42	n.a.	S 20
S 21	19 32 33	21°32'56	23°13	9° 6	5°22	3° 5	4°38	18°28	16°50	1° 7	11°29	9°32	8°52	6°49	n.a.	S 21
M22	19 36 30	22°30'48	5♈ 8	10°43	6°28	3°44	4°41	18°24	16°53	1° 6	11°29	9°31	8°49	6°56	n.a.	M22
T 23	19 40 26	23°28'41	17° 1	12°19	7°35	4°23	4°44	18°21	16°57	1° 5	11°30	9°31	8°46	7° 2	n.a.	T 23
W24	19 44 23	24°26'37	28°56	13°54	8°41	5° 3	4°47	18°18	17° 0	1° 4	11°31	9°D30	8°42	7° 9	n.a.	W24
T 25	19 48 19	25°24'35	10♉59	15°28	9°48	5°42	4°50	18°15	17° 3	1° 4	11°32	9°31	8°39	7°16	n.a.	T 25
F 26	19 52 16	26°22'34	23°14	17° 0	10°54	6°21	4°53	18°12	17° 6	1° 3	11°33	9°32	8°36	7°23	n.a.	F 26
S 27	19 56 12	27°20'36	5♊44	18°31	12° 0	7° 0	4°57	18° 9	17° 9	1° 2	11°34	9°34	8°33	7°29	n.a.	S 27
S 28	20 0 9	28°18'40	18°34	20° 0	13° 6	7°40	5° 0	18° 6	17°12	1° 2	11°35	9°35	8°30	7°36	n.a.	S 28
M29	20 4 5	29°16'45	1♋46	21°29	14°11	8°19	5° 4	18° 3	17°15	1° 1	11°36	9°36	8°27	7°43	n.a.	M29
T 30	20 8 2	0♌14'53	15°20	22°55	15°17	8°59	5° 8	18° 1	17°18	1° 0	11°37	9°R36	8°23	7°49	n.a.	T 30
W31	20 11 59	1♌13'02	29♋15	24♌21	16♍22	9♍39	5♏12	17♐58	17♊20	1♐ 0	11♎38	9♑35	8♑20	7♈56	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	23n44	25n 3	1n28	25n21	1n36	18n32	1n21	15n48	0n57	12s21	0n51	22s49	0n32	23n 9	0n10	19s23	1n23	9n50	15n39	23s24	23s23	6n32			n.a.
T 2	23 43	23 50	0 15	25 22	1 40	18 9	1 19	15 35	0 56	12 21	0 51	22 49	0 32	23 9	0 10	19 23	1 23	9 49	15 38	23 24	23 23	6 35			n.a.
W 3	23 41	21 12	0s59	25 20	1 43	17 46	1 16	15 22	0 56	12 21	0 51	22 49	0 32	23 10	0 10	19 22	1 23	9 49	15 38	23 24	23 23	6 37			n.a.
T 4	23 39	17 20	2 12	25 16	1 45	17 23	1 14	15 9	0 55	12 21	0 50	22 48	0 32	23 10	0 10	19 22	1 23	9 48	15 37	23 24	23 23	6 40			n.a.
F 5	23 36	12 28	3 18	25 10	1 47	16 59	1 11	14 56	0 54	12 21	0 50	22 48	0 32	23 10	0 10	19 22	1 23	9 47	15 37	23 24	23 24	6 43			n.a.
S 6	23 34	6 54	4 12	25 1	1 48	16 35	1 8	14 43	0 53	12 21	0 50	22 48	0 32	23 11	0 10	19 22	1 23	9 47	15 36	23 24	23 24	6 46			n.a.
S 7	23 30	0 57	4 51	24 49	1 48	16 10	1 5	14 29	0 53	12 22	0 50	22 48	0 31	23 11	0 10	19 21	1 22	9 46	15 35	23 24	23 24	6 48			n.a.
M 8	23 26	5s 3	5 13	24 36	1 48	15 45	1 2	14 16	0 52	12 22	0 49	22 48	0 31	23 11	0 10	19 21	1 22	9 45	15 35	23 24	23 24	6 51			n.a.
T 9	23 22	10 48	5 15	24 20	1 47	15 20	0 59	14 2	0 51	12 22	0 49	22 47	0 31	23 12	0 10	19 21	1 22	9 45	15 34	23 24	23 25	6 54			n.a.
W10	23 18	15 57	4 59	24 2	1 46	14 54	0 55	13 48	0 51	12 22	0 49	22 47	0 31	23 12	0 10	19 21	1 22	9 44	15 34	23 24	23 25	6 57			n.a.
T 11	23 13	20 12	4 24	23 43	1 44	14 28	0 52	13 34	0 50	12 23	0 49	22 47	0 31	23 13	0 10	19 21	1 22	9 43	15 33	23 24	23 25	7 0			n.a.
F 12	23 7	23 16	3 34	23 22	1 42	14 2	0 49	13 20	0 49	12 23	0 48	22 47	0 31	23 13	0 10	19 21	1 22	9 43	15 33	23 24	23 25	7 2			n.a.
S 13	23 1	24 54	2 32	22 59	1 39	13 36	0 45	13 6	0 48	12 24	0 48	22 47	0 31	23 13	0 10	19 20	1 22	9 42	15 32	23 24	23 25	7 5			n.a.
S 14	22 55	25 1	1 22	22 35	1 35	13 9	0 41	12 52	0 48	12 25	0 48	22 46	0 31	23 14	0 10	19 20	1 22	9 41	15 31	23 24	23 26	7 8			n.a.
M15	22 48	23 39	0 9	22 9	1 31	12 41	0 38	12 38	0 47	12 25	0 48	22 46	0 31	23 14	0 10	19 20	1 22	9 40	15 31	23 24	23 26	7 11			n.a.
T 16	22 41	21 1	1n 3	21 42	1 27	12 14	0 34	12 23	0 46	12 26	0 47	22 46	0 30	23 14	0 10	19 20	1 22	9 40	15 30	23 24	23 26	7 13			n.a.
W17	22 34	17 23	2 11	21 14	1 23	11 46	0 30	12 9	0 46	12 27	0 47	22 46	0 30	23 15	0 10	19 20	1 22	9 39	15 30	23 24	23 26	7 16			n.a.
T 18	22 26	13 1	3 11	20 45	1 18	11 18	0 26	11 54	0 45	12 28	0 47	22 46	0 30	23 15	0 10	19 19	1 22	9 38	15 29	23 24	23 27	7 19			n.a.
F 19	22 18	8 13	4 0	20 15	1 12	10 50	0 22	11 40	0 44	12 29	0 47	22 45	0 30	23 15	0 10	19 19	1 22	9 37	15 29	23 24	23 27	7 21			n.a.
S 20	22 9	3 11	4 38	19 43	1 7	10 22	0 18	11 25	0 44	12 30	0 46	22 45	0 30	23 16	0 10	19 19	1 22	9 37	15 28	23 24	23 27	7 24			n.a.
S 21	22 0	1n54	5 3	19 11	1 1	9 53	0 14	11 10	0 43	12 31	0 46	22 45	0 30	23 16	0 10	19 19	1 22	9 36	15 27	23 24	23 27	7 27			n.a.
M22	21 51	6 52	5 15	18 39	0 54	9 24	0 10	10 55	0 42	12 32	0 46	22 45	0 30	23 16	0 10	19 19	1 22	9 35	15 27	23 24	23 27	7 30			n.a.
T 23	21 41	11 34	5 13	18 5	0 48	8 55	0 5	10 40	0 41	12 33	0 46	22 45	0 30	23 17	0 10	19 19	1 22	9 34	15 26	23 24	23 28	7 32			n.a.
W24	21 31	15 52	4 58	17 31	0 41	8 26	0 1	10 25	0 41	12 34	0 45	22 44	0 29	23 17	0 10	19 19	1 22	9 33	15 26	23 24	23 28	7 35			n.a.
T 25	21 20	19 35	4 30	16 57	0 34	7 56	0s 4	10 10	0 40	12 36	0 45	22 44	0 29	23 17	0 10	19 19	1 22	9 32	15 25	23 24	23 28	7 38			n.a.
F 26	21 9	22 30	3 49	16 22	0 27	7 27	0 8	9 54	0 39	12 37	0 45	22 44	0 29	23 18	0 10	19 18	1 22	9 31	15 25	23 24	23 28	7 41			n.a.
S 27	20 58	24 26	2 56	15 47	0 19	6 57	0 13	9 39	0 39	12 38	0 45	22 44	0 29	23 18	0 11	19 18	1 22	9 31	15 24	23 24	23 28	7 43			n.a.
S 28	20 46	25 8	1 53	15 11	0 11	6 27	0 18	9 23	0 38	12 40	0 44	22 44	0 29	23 18	0 11	19 18	1 22	9 30	15 23	23 24	23 29	7 46			n.a.
M29	20 34	24 28	0 43	14 35	0 4	5 57	0 23	9 8	0 37	12 41	0 44	22 44	0 29	23 18	0 11	19 18	1 22	9 29	15 23	23 24	23 29	7 49			n.a.
T 30	20 22	22 20	0s32	13 59	0s 4	5 27	0 28	8 52	0 36	12 43	0 44	22 44	0 29	23 19	0 11	19 18	1 21	9 28	15 22	23 24	23 29	7 51			n.a.
W31	20n 9	18n51	1s46	13n23	0s13	4n57	0s33	8n36	0n36	12s45	0n44	22s44	0n29	23n19	0n11	19s18	1n21	9n27	15n22	23s24	23s29	7n54			n.a.

Julian Day Number = 1544458.5, Delta T = 04h35m18s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'51, Lahiri = -10°38'50 Julian Calendar 1 July 485 BCE == Greg. Calendar 26 June 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

AUGUST 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 15 55	2♌11'14	13♌29	25♌45	17♍27	10♍18	5♏17	17°R55	17♊23	0°R59	11♎39	9°R33	8♑17	8♈ 3	n.a.	T 1
F 2	20 19 52	3° 9'27	27°56	27° 7	18°32	10°58	5°21	17♐53	17°26	0♐58	11°41	9♑30	8°14	8°10	n.a.	F 2
S 3	20 23 48	4° 7'41	12♍30	28°28	19°37	11°38	5°26	17°50	17°29	0°58	11°42	9°27	8°11	8°16	n.a.	S 3
S 4	20 27 45	5° 5'58	27° 5	29°48	20°41	12°18	5°31	17°48	17°32	0°57	11°43	9°23	8° 7	8°23	n.a.	S 4
M 5	20 31 41	6° 4'16	11♎36	1♍ 6	21°45	12°58	5°36	17°46	17°34	0°57	11°44	9°21	8° 4	8°30	n.a.	M 5
T 6	20 35 38	7° 2'35	25°57	2°22	22°49	13°38	5°41	17°44	17°37	0°57	11°45	9°19	8° 1	8°37	n.a.	T 6
W 7	20 39 34	8° 0'57	10♏ 5	3°37	23°53	14°18	5°46	17°42	17°40	0°56	11°47	9°D19	7°58	8°43	n.a.	W 7
T 8	20 43 31	8°59'20	23°59	4°50	24°57	14°58	5°52	17°40	17°42	0°56	11°48	9°19	7°55	8°50	n.a.	T 8
F 9	20 47 28	9°57'45	7♐39	6° 1	26° 0	15°38	5°57	17°38	17°45	0°55	11°50	9°21	7°52	8°57	n.a.	F 9
S 10	20 51 24	10°56'11	21° 4	7°10	27° 3	16°19	6° 3	17°36	17°47	0°55	11°51	9°22	7°48	9° 3	n.a.	S 10
S 11	20 55 21	11°54'39	4♑16	8°17	28° 6	16°59	6° 9	17°35	17°50	0°55	11°52	9°R23	7°45	9°10	n.a.	S 11
M12	20 59 17	12°53'09	17°16	9°22	29° 9	17°39	6°15	17°33	17°52	0°55	11°54	9°23	7°42	9°17	n.a.	M12
T 13	21 3 14	13°51'41	0♒ 3	10°24	0♎11	18°20	6°22	17°31	17°55	0°54	11°55	9°21	7°39	9°24	n.a.	T 13
W14	21 7 10	14°50'15	12°38	11°25	1°13	19° 0	6°28	17°30	17°57	0°54	11°57	9°18	7°36	9°30	n.a.	W14
T 15	21 11 7	15°48'51	25° 3	12°22	2°15	19°41	6°35	17°29	17°59	0°54	11°58	9°13	7°33	9°37	n.a.	T 15
F 16	21 15 3	16°47'29	7♓18	13°17	3°16	20°22	6°41	17°28	18° 2	0°54	12° 0	9° 6	7°29	9°44	n.a.	F 16
S 17	21 19 0	17°46'09	19°23	14° 9	4°17	21° 3	6°48	17°26	18° 4	0°54	12° 2	8°59	7°26	9°51	n.a.	S 17
S 18	21 22 56	18°44'51	1♈21	14°58	5°18	21°43	6°55	17°25	18° 6	0°54	12° 3	8°52	7°23	9°57	n.a.	S 18
M19	21 26 53	19°43'36	13°14	15°43	6°19	22°24	7° 2	17°24	18° 8	0°D54	12° 5	8°46	7°20	10° 4	n.a.	M19
T 20	21 30 50	20°42'23	25° 6	16°25	7°19	23° 5	7°10	17°24	18°10	0°54	12° 7	8°41	7°17	10°11	n.a.	T 20
W21	21 34 46	21°41'12	6♉59	17° 2	8°18	23°46	7°17	17°23	18°12	0°54	12° 8	8°38	7°13	10°17	n.a.	W21
T 22	21 38 43	22°40'04	18°59	17°35	9°18	24°27	7°25	17°22	18°14	0°54	12°10	8°D36	7°10	10°24	n.a.	T 22
F 23	21 42 39	23°38'58	1♊11	18° 4	10°17	25° 9	7°32	17°22	18°16	0°54	12°12	8°37	7° 7	10°31	n.a.	F 23
S 24	21 46 36	24°37'55	13°39	18°27	11°16	25°50	7°40	17°21	18°18	0°54	12°14	8°38	7° 4	10°38	n.a.	S 24
S 25	21 50 32	25°36'54	26°27	18°45	12°14	26°31	7°48	17°21	18°20	0°55	12°15	8°39	7° 1	10°44	n.a.	S 25
M26	21 54 29	26°35'55	9♋41	18°57	13°12	27°12	7°56	17°21	18°22	0°55	12°17	8°R40	6°58	10°51	n.a.	M26
T 27	21 58 25	27°34'59	23°21	19°R 3	14° 9	27°54	8° 5	17°20	18°24	0°55	12°19	8°39	6°54	10°58	n.a.	T 27
W28	22 2 22	28°34'05	7♌28	19° 2	15° 6	28°35	8°13	17°D20	18°26	0°55	12°21	8°35	6°51	11° 4	n.a.	W28
T 29	22 6 19	29°33'13	22° 0	18°54	16° 3	29°17	8°21	17°20	18°27	0°56	12°23	8°30	6°48	11°11	n.a.	T 29
F 30	22 10 15	0♍32'23	6♍50	18°38	16°59	29°59	8°30	17°21	18°29	0°56	12°25	8°23	6°45	11°18	n.a.	F 30
S 31	22 14 12	1♍31'36	21♍50	18♍15	17♎54	0♎40	8♏39	17♐21	18♊31	0♐56	12♎27	8♑15	6♑42	11♈25	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n56	14n12	2s56	12n47	0s21	4n27	0s38	8n20	0n35	12s46	0n43	22s43	0n29	23n19	0n11	19s18	1n21	9n26	15n21	23s24	23s29	7n57		n.a.
F 2	19 42	8 41	3 55	12 10	0 29	3 56	0 43	8 5	0 34	12 48	0 43	22 43	0 28	23 20	0 11	19 18	1 21	9 25	15 21	23 25	23 30	8 0		n.a.
S 3	19 29	2 40	4 40	11 34	0 38	3 26	0 48	7 49	0 34	12 50	0 43	22 43	0 28	23 20	0 11	19 18	1 21	9 24	15 20	23 25	23 30	8 2		n.a.
S 4	19 15	3s30	5 6	10 58	0 47	2 56	0 53	7 32	0 33	12 52	0 43	22 43	0 28	23 20	0 11	19 18	1 21	9 23	15 20	23 25	23 30	8 5		n.a.
M 5	19 0	9 26	5 13	10 22	0 55	2 25	0 58	7 16	0 32	12 54	0 42	22 43	0 28	23 20	0 11	19 18	1 21	9 22	15 19	23 25	23 30	8 8		n.a.
T 6	18 45	14 48	5 0	9 46	1 4	1 55	1 4	7 0	0 31	12 56	0 42	22 43	0 28	23 21	0 11	19 18	1 21	9 21	15 19	23 25	23 30	8 10		n.a.
W 7	18 30	19 17	4 29	9 11	1 13	1 24	1 9	6 44	0 31	12 58	0 42	22 43	0 28	23 21	0 11	19 18	1 21	9 20	15 18	23 25	23 31	8 13		n.a.
T 8	18 15	22 37	3 43	8 36	1 22	0 54	1 14	6 27	0 30	13 0	0 42	22 43	0 28	23 21	0 11	19 18	1 21	9 19	15 18	23 25	23 31	8 16		n.a.
F 9	17 59	24 35	2 45	8 2	1 31	0 23	1 20	6 11	0 29	13 2	0 41	22 43	0 28	23 22	0 11	19 18	1 21	9 18	15 17	23 25	23 31	8 18		n.a.
S 10	17 43	25 5	1 38	7 28	1 39	0s 7	1 25	5 55	0 29	13 4	0 41	22 43	0 27	23 22	0 11	19 18	1 21	9 17	15 17	23 25	23 31	8 21		n.a.
S 11	17 27	24 9	0 28	6 54	1 48	0 37	1 31	5 38	0 28	13 6	0 41	22 43	0 27	23 22	0 11	19 18	1 21	9 16	15 16	23 25	23 31	8 24		n.a.
M12	17 10	21 55	0n43	6 21	1 57	1 8	1 37	5 21	0 27	13 8	0 41	22 43	0 27	23 22	0 11	19 18	1 21	9 15	15 16	23 25	23 32	8 26		n.a.
T 13	16 53	18 37	1 50	5 50	2 6	1 38	1 42	5 5	0 27	13 11	0 41	22 43	0 27	23 23	0 11	19 18	1 21	9 14	15 15	23 25	23 32	8 29		n.a.
W14	16 36	14 30	2 51	5 19	2 14	2 8	1 48	4 48	0 26	13 13	0 40	22 43	0 27	23 23	0 11	19 18	1 21	9 13	15 15	23 25	23 32	8 32		n.a.
T 15	16 18	9 51	3 43	4 49	2 23	2 38	1 54	4 31	0 25	13 16	0 40	22 43	0 27	23 23	0 11	19 18	1 21	9 12	15 14	23 26	23 32	8 34		n.a.
F 16	16 1	4 53	4 23	4 20	2 31	3 8	2 0	4 14	0 24	13 18	0 40	22 43	0 27	23 23	0 11	19 18	1 21	9 11	15 14	23 26	23 32	8 37		n.a.
S 17	15 42	0n12	4 51	3 52	2 40	3 38	2 5	3 58	0 24	13 20	0 40	22 43	0 27	23 23	0 11	19 18	1 21	9 10	15 13	23 27	23 33	8 40		n.a.
S 18	15 24	5 13	5 6	3 26	2 48	4 8	2 11	3 41	0 23	13 23	0 39	22 43	0 26	23 24	0 11	19 18	1 20	9 9	15 13	23 27	23 33	8 42		n.a.
M19	15 6	10 1	5 8	3 1	2 55	4 38	2 17	3 24	0 22	13 26	0 39	22 43	0 26	23 24	0 11	19 18	1 20	9 8	15 12	23 28	23 33	8 45		n.a.
T 20	14 47	14 25	4 57	2 38	3 3	5 7	2 23	3 7	0 22	13 28	0 39	22 43	0 26	23 24	0 11	19 18	1 20	9 7	15 12	23 28	23 33	8 48		n.a.
W21	14 28	18 18	4 32	2 17	3 10	5 37	2 29	2 49	0 21	13 31	0 39	22 43	0 26	23 24	0 11	19 18	1 20	9 6	15 12	23 28	23 33	8 50		n.a.
T 22	14 8	21 28	3 56	1 58	3 16	6 6	2 35	2 32	0 20	13 34	0 39	22 43	0 26	23 24	0 11	19 18	1 20	9 5	15 11	23 28	23 33	8 53		n.a.
F 23	13 49	23 44	3 8	1 41	3 23	6 35	2 41	2 15	0 20	13 36	0 38	22 43	0 26	23 25	0 11	19 18	1 20	9 4	15 11	23 28	23 34	8 56		n.a.
S 24	13 29	24 54	2 11	1 26	3 28	7 4	2 47	1 58	0 19	13 39	0 38	22 43	0 26	23 25	0 11	19 18	1 20	9 3	15 10	23 28	23 34	8 58		n.a.
S 25	13 9	24 48	1 5	1 15	3 33	7 32	2 53	1 41	0 18	13 42	0 38	22 43	0 26	23 25	0 11	19 18	1 20	9 2	15 10	23 28	23 34	9 1		n.a.
M26	12 49	23 18	0s 5	1 6	3 37	8 1	2 59	1 23	0 17	13 45	0 38	22 43	0 25	23 25	0 11	19 18	1 20	9 0	15 9	23 28	23 34	9 3		n.a.
T 27	12 28	20 25	1 18	1 1	3 40	8 29	3 5	1 6	0 17	13 48	0 38	22 43	0 25	23 25	0 11	19 18	1 20	8 59	15 9	23 28	23 34	9 6		n.a.
W28	12 8	16 15	2 29	0 59	3 43	8 57	3 11	0 49	0 16	13 51	0 37	22 44	0 25	23 26	0 11	19 19	1 20	8 58	15 9	23 28	23 34	9 9		n.a.
T 29	11 47	11 2	3 31	1 1	3 44	9 25	3 17	0 31	0 15	13 53	0 37	22 44	0 25	23 26	0 11	19 19	1 20	8 57	15 8	23 29	23 35	9 11		n.a.
F 30	11 26	5 5	4 21	1 8	3 44	9 52	3 23	0 14	0 15	13 56	0 37	22 44	0 25	23 26	0 11	19 19	1 20	8 56	15 8	23 29	23 35	9 14		n.a.
S 31	11n 4	1s12	4s53	1n18	3s42	10s19	3s29	0s 3	0n14	14s 0	0n37	22s44	0n25	23n26	0n11	19s19	1n20	8n55	15n 7	23s30	23s35	9n17		n.a.

Julian Day Number = 1544489.5, Delta T = 04h35m17s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'47, Lahiri = -10°38'46 Julian Calendar 1 Aug. 485 BCE == Greg. Calendar 27 July 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

SEPTEMBER 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 18 8	2♍30'50	6♎52	17°R44	18♎49	1♎22	8♏48	17♐21	18♊32	0♐57	12♎29	8°R 6	6♑39	11♈31	n.a.	S 1
M 2	22 22 5	3°30'07	21°44	17♍ 6	19°44	2° 4	8°57	17°22	18°34	0°57	12°31	7♑59	6°35	11°38	n.a.	M 2
T 3	22 26 1	4°29'25	6♏21	16°19	20°38	2°46	9° 6	17°22	18°35	0°58	12°33	7°54	6°32	11°45	n.a.	T 3
W 4	22 29 58	5°28'46	20°37	15°26	21°31	3°28	9°15	17°23	18°37	0°58	12°35	7°51	6°29	11°52	n.a.	W 4
T 5	22 33 54	6°28'08	4♐31	14°26	22°24	4°10	9°24	17°24	18°38	0°59	12°37	7°D50	6°26	11°58	n.a.	T 5
F 6	22 37 51	7°27'32	18° 3	13°21	23°16	4°52	9°34	17°24	18°39	0°59	12°39	7°50	6°23	12° 5	n.a.	F 6
S 7	22 41 48	8°26'58	1♑16	12°12	24° 8	5°34	9°43	17°25	18°41	1° 0	12°41	7°R51	6°19	12°12	n.a.	S 7
S 8	22 45 44	9°26'26	14°11	11° 0	24°59	6°16	9°53	17°26	18°42	1° 1	12°43	7°51	6°16	12°18	n.a.	S 8
M 9	22 49 41	10°25'56	26°52	9°48	25°49	6°59	10° 3	17°28	18°43	1° 1	12°45	7°49	6°13	12°25	n.a.	M 9
T 10	22 53 37	11°25'28	9♒21	8°38	26°38	7°41	10°13	17°29	18°44	1° 2	12°47	7°45	6°10	12°32	n.a.	T 10
W11	22 57 34	12°25'01	21°41	7°31	27°27	8°23	10°23	17°30	18°45	1° 3	12°50	7°38	6° 7	12°39	n.a.	W11
T 12	23 1 30	13°24'37	3♓53	6°30	28°15	9° 6	10°33	17°32	18°46	1° 4	12°52	7°28	6° 4	12°45	n.a.	T 12
F 13	23 5 27	14°24'15	15°58	5°36	29° 2	9°48	10°43	17°33	18°47	1° 4	12°54	7°16	6° 0	12°52	n.a.	F 13
S 14	23 9 23	15°23'55	27°57	4°51	29°48	10°31	10°54	17°35	18°48	1° 5	12°56	7° 3	5°57	12°59	n.a.	S 14
S 15	23 13 20	16°23'37	9♈52	4°16	0♏33	11°14	11° 4	17°37	18°49	1° 6	12°58	6°50	5°54	13° 6	n.a.	S 15
M16	23 17 16	17°23'21	21°43	3°52	1°18	11°56	11°14	17°38	18°50	1° 7	13° 1	6°38	5°51	13°12	n.a.	M16
T 17	23 21 13	18°23'07	3♉34	3°39	2° 1	12°39	11°25	17°40	18°50	1° 8	13° 3	6°28	5°48	13°19	n.a.	T 17
W18	23 25 10	19°22'56	15°27	3°D37	2°43	13°22	11°36	17°42	18°51	1° 9	13° 5	6°20	5°44	13°26	n.a.	W18
T 19	23 29 6	20°22'47	27°26	3°46	3°25	14° 5	11°47	17°44	18°52	1°10	13° 7	6°16	5°41	13°32	n.a.	T 19
F 20	23 33 3	21°22'41	9♊34	4° 6	4° 5	14°48	11°58	17°47	18°52	1°11	13°10	6°13	5°38	13°39	n.a.	F 20
S 21	23 36 59	22°22'37	21°57	4°35	4°44	15°31	12° 8	17°49	18°53	1°12	13°12	6°D13	5°35	13°46	n.a.	S 21
S 22	23 40 56	23°22'35	4♋40	5°14	5°22	16°14	12°20	17°51	18°53	1°13	13°14	6°R13	5°32	13°53	n.a.	S 22
M23	23 44 52	24°22'35	17°47	6° 2	5°59	16°57	12°31	17°54	18°54	1°14	13°17	6°12	5°29	13°59	n.a.	M23
T 24	23 48 49	25°22'38	1♌22	6°57	6°34	17°41	12°42	17°57	18°54	1°15	13°19	6°10	5°25	14° 6	n.a.	T 24
W25	23 52 45	26°22'43	15°28	7°58	7° 9	18°24	12°53	17°59	18°54	1°17	13°21	6° 6	5°22	14°13	n.a.	W25
T 26	23 56 42	27°22'50	0♍ 2	9° 6	7°41	19° 7	13° 5	18° 2	18°55	1°18	13°24	5°58	5°19	14°19	n.a.	T 26
F 27	0 0 39	28°23'00	15° 1	10°19	8°13	19°51	13°16	18° 5	18°55	1°19	13°26	5°49	5°16	14°26	n.a.	F 27
S 28	0 4 35	29°23'11	0♎16	11°36	8°43	20°34	13°28	18° 8	18°55	1°20	13°28	5°37	5°13	14°33	n.a.	S 28
S 29	0 8 32	0♎23'24	15°35	12°57	9°11	21°18	13°40	18°11	18°55	1°22	13°31	5°26	5°10	14°40	n.a.	S 29
M30	0 12 28	1♎23'39	0♏47	14♍21	9♏38	22♎ 1	13♏51	18♐14	18°R55	1♐23	13♎33	5♑15	5♑ 6	14♈46	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n43	7s25	5s 5	1n33	3s39	10s46	3s35	0s21	0n13	14s 3	0n36	22s44	0n25	23n26	0n11	19s19	1n20	8n54	15n 7	23s30	23s35	9n19		n.a.
M 2	10 21	13 9	4 57	1 53	3 34	11 13	3 40	0 38	0 13	14 6	0 36	22 44	0 25	23 26	0 11	19 19	1 20	8 53	15 7	23 31	23 35	9 22		n.a.
T 3	9 59	18 2	4 29	2 17	3 28	11 39	3 46	0 56	0 12	14 9	0 36	22 44	0 24	23 27	0 11	19 19	1 20	8 52	15 6	23 31	23 35	9 24		n.a.
W 4	9 37	21 45	3 45	2 46	3 19	12 5	3 52	1 13	0 11	14 12	0 36	22 45	0 24	23 27	0 11	19 20	1 20	8 51	15 6	23 31	23 36	9 27		n.a.
T 5	9 15	24 5	2 48	3 19	3 8	12 30	3 58	1 31	0 11	14 15	0 36	22 45	0 24	23 27	0 11	19 20	1 19	8 49	15 6	23 31	23 36	9 30		n.a.
F 6	8 53	24 56	1 44	3 56	2 56	12 55	4 4	1 49	0 10	14 18	0 36	22 45	0 24	23 27	0 11	19 20	1 19	8 48	15 5	23 31	23 36	9 32		n.a.
S 7	8 31	24 20	0 35	4 36	2 41	13 20	4 10	2 6	0 9	14 22	0 35	22 45	0 24	23 27	0 11	19 20	1 19	8 47	15 5	23 31	23 36	9 35		n.a.
S 8	8 8	22 26	0n34	5 18	2 25	13 45	4 15	2 24	0 8	14 25	0 35	22 45	0 24	23 27	0 11	19 20	1 19	8 46	15 5	23 31	23 36	9 37		n.a.
M 9	7 45	19 26	1 40	6 2	2 7	14 9	4 21	2 41	0 8	14 28	0 35	22 46	0 24	23 27	0 11	19 20	1 19	8 45	15 4	23 31	23 36	9 40		n.a.
T 10	7 22	15 35	2 39	6 46	1 48	14 32	4 27	2 59	0 7	14 31	0 35	22 46	0 24	23 27	0 11	19 21	1 19	8 44	15 4	23 31	23 37	9 43		n.a.
W11	6 59	11 8	3 31	7 30	1 29	14 55	4 32	3 16	0 6	14 35	0 35	22 46	0 23	23 28	0 11	19 21	1 19	8 43	15 4	23 32	23 37	9 45		n.a.
T 12	6 36	6 19	4 12	8 11	1 8	15 18	4 38	3 34	0 6	14 38	0 34	22 46	0 23	23 28	0 11	19 21	1 19	8 42	15 3	23 32	23 37	9 48		n.a.
F 13	6 13	1 18	4 41	8 50	0 48	15 40	4 43	3 51	0 5	14 42	0 34	22 47	0 23	23 28	0 11	19 21	1 19	8 41	15 3	23 33	23 37	9 50		n.a.
S 14	5 50	3n43	4 57	9 26	0 28	16 2	4 48	4 9	0 4	14 45	0 34	22 47	0 23	23 28	0 11	19 22	1 19	8 40	15 3	23 34	23 37	9 53		n.a.
S 15	5 26	8 33	5 1	9 57	0 8	16 23	4 54	4 27	0 4	14 48	0 34	22 47	0 23	23 28	0 11	19 22	1 19	8 38	15 3	23 35	23 37	9 55		n.a.
M16	5 3	13 4	4 51	10 23	0n11	16 44	4 59	4 44	0 3	14 52	0 34	22 48	0 23	23 28	0 11	19 22	1 19	8 37	15 2	23 35	23 37	9 58		n.a.
T 17	4 39	17 4	4 29	10 44	0 28	17 4	5 4	5 2	0 2	14 55	0 34	22 48	0 23	23 28	0 11	19 22	1 19	8 36	15 2	23 36	23 38	10 1		n.a.
W18	4 15	20 25	3 55	11 0	0 44	17 24	5 9	5 19	0 2	14 59	0 33	22 48	0 23	23 28	0 11	19 22	1 19	8 35	15 2	23 36	23 38	10 3		n.a.
T 19	3 52	22 55	3 10	11 10	0 59	17 43	5 14	5 37	0 1	15 2	0 33	22 48	0 22	23 28	0 11	19 23	1 19	8 34	15 2	23 36	23 38	10 6		n.a.
F 20	3 28	24 25	2 16	11 15	1 12	18 1	5 18	5 54	0 0	15 6	0 33	22 49	0 22	23 28	0 12	19 23	1 19	8 33	15 1	23 36	23 38	10 8		n.a.
S 21	3 4	24 45	1 15	11 15	1 23	18 19	5 23	6 12	0s 0	15 10	0 33	22 49	0 22	23 28	0 12	19 23	1 19	8 32	15 1	23 36	23 38	10 11		n.a.
S 22	2 40	23 48	0 8	11 9	1 33	18 37	5 27	6 29	0 1	15 13	0 33	22 49	0 22	23 28	0 12	19 24	1 19	8 31	15 1	23 36	23 38	10 13		n.a.
M23	2 16	21 33	1s 1	11 0	1 42	18 53	5 31	6 46	0 2	15 17	0 33	22 50	0 22	23 28	0 12	19 24	1 19	8 30	15 1	23 36	23 38	10 16		n.a.
T 24	1 52	18 1	2 9	10 46	1 49	19 9	5 36	7 4	0 3	15 20	0 32	22 50	0 22	23 29	0 12	19 24	1 19	8 29	15 0	23 36	23 38	10 18		n.a.
W25	1 27	13 22	3 11	10 28	1 55	19 24	5 39	7 21	0 3	15 24	0 32	22 51	0 22	23 29	0 12	19 24	1 18	8 27	15 0	23 37	23 39	10 21		n.a.
T 26	1 3	7 48	4 4	10 6	1 59	19 39	5 43	7 39	0 4	15 28	0 32	22 51	0 22	23 29	0 12	19 25	1 18	8 26	15 0	23 37	23 39	10 23		n.a.
F 27	0 39	1 40	4 41	9 41	2 3	19 53	5 47	7 56	0 5	15 31	0 32	22 51	0 22	23 29	0 12	19 25	1 18	8 25	15 0	23 37	23 39	10 26		n.a.
S 28	0 15	4s40	4 59	9 14	2 5	20 6	5 50	8 13	0 5	15 35	0 32	22 52	0 21	23 29	0 12	19 25	1 18	8 24	15 0	23 38	23 39	10 28		n.a.
S 29	0s 9	10 44	4 55	8 43	2 6	20 18	5 53	8 30	0 6	15 39	0 32	22 52	0 21	23 29	0 12	19 26	1 18	8 23	15 0	23 38	23 39	10 31		n.a.
M30	0s34	16s 7	4s31	8n11	2n 7	20s30	5s56	8s47	0s 7	15s42	0n31	22s52	0n21	23n29	0n12	19s26	1n18	8n22	14n59	23s39	23s39	10n34		n.a.

Julian Day Number = 1544520.5, Delta T = 04h35m16s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'42, Lahiri = -10°38'42 Julian Calendar 1 Sept. 485 BCE == Greg. Calendar 27 Aug. 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

OCTOBER 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 16 25	2♎23'56	15♏43	15♍48	10♏ 3	22♎45	14♏ 3	18♐17	18°R55	1♐24	13♎35	5°R 7	5♉ 3	14♈53	n.a.	T 1
W 2	0 20 21	3°24'15	0♐14	17°16	10°26	23°29	14°15	18°21	18♊55	1°26	13°38	5♉ 2	5° 0	15° 0	n.a.	W 2
T 3	0 24 18	4°24'35	14°18	18°47	10°48	24°13	14°27	18°24	18°55	1°27	13°40	4°59	4°57	15° 7	n.a.	T 3
F 4	0 28 14	5°24'57	27°54	20°20	11° 7	24°56	14°39	18°27	18°55	1°29	13°43	4°59	4°54	15°13	n.a.	F 4
S 5	0 32 11	6°25'20	11♉ 5	21°53	11°25	25°40	14°51	18°31	18°54	1°30	13°45	4°58	4°50	15°20	n.a.	S 5
S 6	0 36 7	7°25'45	23°54	23°27	11°41	26°24	15° 3	18°35	18°54	1°32	13°48	4°58	4°47	15°27	n.a.	S 6
M 7	0 40 4	8°26'11	6♒26	25° 2	11°54	27° 8	15°16	18°38	18°54	1°33	13°50	4°56	4°44	15°33	n.a.	M 7
T 8	0 44 1	9°26'39	18°45	26°38	12° 6	27°52	15°28	18°42	18°53	1°35	13°52	4°51	4°41	15°40	n.a.	T 8
W 9	0 47 57	10°27'08	0♓54	28°14	12°15	28°37	15°40	18°46	18°53	1°36	13°55	4°43	4°38	15°47	n.a.	W 9
T 10	0 51 54	11°27'39	12°55	29°51	12°22	29°21	15°53	18°50	18°52	1°38	13°57	4°32	4°35	15°54	n.a.	T 10
F 11	0 55 50	12°28'11	24°53	1♎27	12°27	0♏ 5	16° 5	18°54	18°52	1°39	14° 0	4°18	4°31	16° 0	n.a.	F 11
S 12	0 59 47	13°28'45	6♈47	3° 4	12°29	0°49	16°18	18°58	18°51	1°41	14° 2	4° 4	4°28	16° 7	n.a.	S 12
S 13	1 3 43	14°29'20	18°40	4°40	12°R29	1°34	16°31	19° 3	18°51	1°43	14° 5	3°49	4°25	16°14	n.a.	S 13
M14	1 7 40	15°29'57	0♉32	6°17	12°27	2°18	16°43	19° 7	18°50	1°44	14° 7	3°35	4°22	16°20	n.a.	M14
T 15	1 11 36	16°30'36	12°25	7°53	12°22	3° 3	16°56	19°11	18°49	1°46	14° 9	3°24	4°19	16°27	n.a.	T 15
W16	1 15 33	17°31'17	24°22	9°30	12°15	3°47	17° 9	19°16	18°48	1°48	14°12	3°15	4°15	16°34	n.a.	W16
T 17	1 19 30	18°31'59	6♊23	11° 6	12° 5	4°32	17°22	19°20	18°47	1°50	14°14	3° 9	4°12	16°41	n.a.	T 17
F 18	1 23 26	19°32'43	18°34	12°42	11°53	5°16	17°35	19°25	18°46	1°51	14°17	3° 6	4° 9	16°47	n.a.	F 18
S 19	1 27 23	20°33'29	0♋57	14°18	11°38	6° 1	17°48	19°30	18°45	1°53	14°19	3°D 5	4° 6	16°54	n.a.	S 19
S 20	1 31 19	21°34'16	13°36	15°54	11°21	6°46	18° 1	19°34	18°44	1°55	14°22	3° 5	4° 3	17° 1	n.a.	S 20
M21	1 35 16	22°35'05	26°37	17°30	11° 2	7°31	18°14	19°39	18°43	1°57	14°24	3°R 5	4° 0	17° 7	n.a.	M21
T 22	1 39 12	23°35'56	10♌ 3	19° 5	10°40	8°15	18°27	19°44	18°42	1°59	14°26	3° 4	3°56	17°14	n.a.	T 22
W23	1 43 9	24°36'48	23°57	20°40	10°17	9° 0	18°40	19°49	18°41	2° 1	14°29	3° 1	3°53	17°21	n.a.	W23
T 24	1 47 5	25°37'42	8♍20	22°15	9°51	9°45	18°53	19°54	18°40	2° 3	14°31	2°55	3°50	17°28	n.a.	T 24
F 25	1 51 2	26°38'38	23°10	23°50	9°23	10°30	19° 6	19°59	18°39	2° 4	14°34	2°47	3°47	17°34	n.a.	F 25
S 26	1 54 59	27°39'34	8♎19	25°25	8°54	11°15	19°20	20° 5	18°37	2° 6	14°36	2°37	3°44	17°41	n.a.	S 26
S 27	1 58 55	28°40'33	23°38	27° 0	8°23	12° 1	19°33	20°10	18°36	2° 8	14°38	2°27	3°41	17°48	n.a.	S 27
M28	2 2 52	29°41'32	8♏55	28°35	7°50	12°46	19°46	20°15	18°34	2°10	14°41	2°17	3°37	17°55	n.a.	M28
T 29	2 6 48	0♏42'33	24° 1	0♏ 9	7°16	13°31	20° 0	20°20	18°33	2°12	14°43	2°10	3°34	18° 1	n.a.	T 29
W30	2 10 45	1°43'35	8♐44	1°44	6°42	14°16	20°13	20°26	18°32	2°14	14°45	2° 5	3°31	18° 8	n.a.	W30
T 31	2 14 41	2♏44'37	23♐ 1	3♏18	6♏ 6	15♏ 2	20♏26	20♐31	18♊30	2♐16	14♎48	2♉ 3	3♉28	18♈15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	0s58	20s24	3s49	7n36	2n 6	20s40	5s58	9s 4	0s 7	15s46	0n31	22s53	0n21	23n29	0n12	19s26	1n18	8n21	14n59	23s39	23s39	10n36			n.a.
W 2	1 22	23 16	2 52	7 0	2 5	20 50	6 1	9 21	0 8	15 50	0 31	22 53	0 21	23 29	0 12	19 27	1 18	8 20	14 59	23 39	23 39	10 39			n.a.
T 3	1 46	24 35	1 47	6 22	2 3	20 59	6 3	9 38	0 9	15 54	0 31	22 54	0 21	23 29	0 12	19 27	1 18	8 19	14 59	23 40	23 40	10 41			n.a.
F 4	2 11	24 22	0 37	5 43	2 1	21 7	6 4	9 55	0 9	15 57	0 31	22 54	0 21	23 29	0 12	19 27	1 18	8 18	14 59	23 40	23 40	10 44			n.a.
S 5	2 35	22 45	0n32	5 3	1 58	21 14	6 6	10 12	0 10	16 1	0 31	22 54	0 21	23 29	0 12	19 28	1 18	8 17	14 59	23 40	23 40	10 46			n.a.
S 6	2 59	20 0	1 38	4 22	1 54	21 20	6 7	10 29	0 11	16 5	0 30	22 55	0 21	23 29	0 12	19 28	1 18	8 16	14 59	23 40	23 40	10 49			n.a.
M 7	3 23	16 22	2 38	3 41	1 50	21 25	6 7	10 46	0 11	16 9	0 30	22 55	0 20	23 29	0 12	19 28	1 18	8 15	14 58	23 40	23 40	10 51			n.a.
T 8	3 47	12 6	3 29	2 58	1 46	21 29	6 7	11 2	0 12	16 12	0 30	22 56	0 20	23 29	0 12	19 29	1 18	8 14	14 58	23 40	23 40	10 54			n.a.
W 9	4 11	7 25	4 10	2 15	1 41	21 32	6 7	11 19	0 13	16 16	0 30	22 56	0 20	23 29	0 12	19 29	1 18	8 13	14 58	23 40	23 40	10 56			n.a.
T 10	4 35	2 30	4 39	1 32	1 36	21 33	6 7	11 35	0 13	16 20	0 30	22 57	0 20	23 29	0 12	19 29	1 18	8 12	14 58	23 41	23 40	10 58			n.a.
F 11	4 59	2n27	4 56	0 48	1 31	21 34	6 6	11 52	0 14	16 24	0 30	22 57	0 20	23 29	0 12	19 30	1 18	8 11	14 58	23 41	23 41	11 1			n.a.
S 12	5 23	7 18	4 59	0 4	1 25	21 33	6 4	12 8	0 14	16 28	0 30	22 58	0 20	23 29	0 12	19 30	1 18	8 10	14 58	23 41	23 41	11 3			n.a.
S 13	5 47	11 51	4 50	0s40	1 20	21 31	6 2	12 24	0 15	16 31	0 29	22 58	0 20	23 29	0 12	19 31	1 18	8 9	14 58	23 42	23 41	11 6			n.a.
M14	6 11	15 59	4 28	1 24	1 14	21 28	5 59	12 41	0 16	16 35	0 29	22 59	0 20	23 29	0 12	19 31	1 18	8 8	14 58	23 42	23 41	11 8			n.a.
T 15	6 34	19 28	3 54	2 8	1 8	21 23	5 56	12 57	0 16	16 39	0 29	22 59	0 20	23 29	0 12	19 31	1 18	8 7	14 58	23 43	23 41	11 11			n.a.
W16	6 58	22 10	3 10	2 52	1 1	21 17	5 52	13 13	0 17	16 43	0 29	22 59	0 19	23 29	0 12	19 32	1 18	8 6	14 58	23 43	23 41	11 13			n.a.
T 17	7 21	23 54	2 16	3 36	0 55	21 10	5 48	13 29	0 18	16 47	0 29	23 0	0 19	23 28	0 12	19 32	1 17	8 5	14 58	23 43	23 41	11 16			n.a.
F 18	7 45	24 31	1 16	4 20	0 49	21 1	5 43	13 44	0 18	16 50	0 29	23 0	0 19	23 28	0 12	19 32	1 17	8 4	14 58	23 43	23 41	11 18			n.a.
S 19	8 8	23 56	0 11	5 4	0 42	20 51	5 37	14 0	0 19	16 54	0 29	23 1	0 19	23 28	0 12	19 33	1 17	8 3	14 58	23 43	23 41	11 21			n.a.
S 20	8 31	22 8	0s56	5 47	0 36	20 39	5 30	14 16	0 20	16 58	0 29	23 1	0 19	23 28	0 12	19 33	1 17	8 2	14 58	23 43	23 41	11 23			n.a.
M21	8 54	19 7	2 2	6 30	0 29	20 26	5 23	14 31	0 20	17 2	0 28	23 2	0 19	23 28	0 12	19 34	1 17	8 1	14 58	23 43	23 42	11 26			n.a.
T 22	9 17	15 1	3 3	7 13	0 23	20 12	5 16	14 46	0 21	17 5	0 28	23 2	0 19	23 28	0 12	19 34	1 17	8 1	14 58	23 43	23 42	11 28			n.a.
W23	9 39	10 0	3 56	7 56	0 16	19 56	5 7	15 2	0 22	17 9	0 28	23 3	0 19	23 28	0 12	19 34	1 17	8 0	14 58	23 43	23 42	11 30			n.a.
T 24	10 2	4 18	4 36	8 38	0 9	19 39	4 58	15 17	0 22	17 13	0 28	23 3	0 19	23 28	0 12	19 35	1 17	7 59	14 58	23 43	23 42	11 33			n.a.
F 25	10 24	1s49	4 59	9 20	0 3	19 21	4 48	15 32	0 23	17 17	0 28	23 4	0 19	23 28	0 12	19 35	1 17	7 58	14 58	23 43	23 42	11 35			n.a.
S 26	10 47	7 56	5 1	10 1	0s 4	19 1	4 38	15 46	0 23	17 21	0 28	23 4	0 18	23 28	0 12	19 36	1 17	7 57	14 58	23 44	23 42	11 38			n.a.
S 27	11 9	13 39	4 43	10 42	0 10	18 40	4 26	16 1	0 24	17 24	0 28	23 5	0 18	23 28	0 12	19 36	1 17	7 56	14 58	23 44	23 42	11 40			n.a.
M28	11 31	18 30	4 4	11 22	0 17	18 18	4 15	16 16	0 25	17 28	0 28	23 5	0 18	23 28	0 12	19 37	1 17	7 55	14 58	23 44	23 42	11 43			n.a.
T 29	11 52	22 3	3 8	12 2	0 23	17 55	4 2	16 30	0 25	17 32	0 27	23 6	0 18	23 27	0 12	19 37	1 17	7 55	14 58	23 44	23 42	11 45			n.a.
W30	12 14	24 2	2 1	12 42	0 30	17 32	3 49	16 45	0 26	17 36	0 27	23 6	0 18	23 27	0 12	19 37	1 17	7 54	14 59	23 44	23 42	11 47			n.a.
T 31	12s35	24s22	0s48	13s20	0s36	17s 7	3s36	16s59	0s27	17s39	0n27	23s 7	0n18	23n27	0n12	19s38	1n17	7n53	14n59	23s44	23s42	11n50			n.a.

Julian Day Number = 1544550.5, Delta T = 04h35m15s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'38, Lahiri = -10°38'38 Julian Calendar 1 Oct. 485 BCE == Greg. Calendar 26 Sept. 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

NOVEMBER 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 18 38	3♏45'41	6♉48	4♏52	5°R30	15♏47	20♏40	20♐37	18°R28	2♐18	14♎50	2°D 3	3♉25	18♈21	n.a.	F 1
S 2	2 22 34	4°46'45	20° 6	6°27	4♏54	16°32	20°53	20°43	18♊27	2°20	14°52	2♉ 3	3°21	18°28	n.a.	S 2
S 3	2 26 31	5°47'50	3♒ 0	8° 1	4°17	17°18	21° 7	20°48	18°25	2°23	14°55	2°R 4	3°18	18°35	n.a.	S 3
M 4	2 30 28	6°48'55	15°33	9°35	3°41	18° 3	21°21	20°54	18°23	2°25	14°57	2° 4	3°15	18°42	n.a.	M 4
T 5	2 34 24	7°50'01	27°49	11°10	3° 5	18°49	21°34	21° 0	18°22	2°27	14°59	2° 1	3°12	18°48	n.a.	T 5
W 6	2 38 21	8°51'08	9♓53	12°44	2°30	19°35	21°48	21° 6	18°20	2°29	15° 2	1°57	3° 9	18°55	n.a.	W 6
T 7	2 42 17	9°52'15	21°50	14°18	1°56	20°20	22° 1	21°12	18°18	2°31	15° 4	1°50	3° 6	19° 2	n.a.	T 7
F 8	2 46 14	10°53'23	3♈43	15°53	1°24	21° 6	22°15	21°17	18°16	2°33	15° 6	1°41	3° 2	19° 8	n.a.	F 8
S 9	2 50 10	11°54'31	15°35	17°27	0°52	21°52	22°29	21°23	18°14	2°35	15° 8	1°31	2°59	19°15	n.a.	S 9
S 10	2 54 7	12°55'40	27°28	19° 2	0°22	22°37	22°43	21°30	18°12	2°37	15°11	1°21	2°56	19°22	n.a.	S 10
M11	2 58 3	13°56'50	9♉23	20°36	29♎54	23°23	22°56	21°36	18°10	2°40	15°13	1°11	2°53	19°29	n.a.	M11
T 12	3 2 0	14°58'01	21°23	22°11	29°28	24° 9	23°10	21°42	18° 8	2°42	15°15	1° 3	2°50	19°35	n.a.	T 12
W13	3 5 57	15°59'12	3♊28	23°46	29° 4	24°55	23°24	21°48	18° 6	2°44	15°17	0°58	2°47	19°42	n.a.	W13
T 14	3 9 53	17° 0'23	15°40	25°20	28°42	25°41	23°38	21°54	18° 4	2°46	15°19	0°54	2°43	19°49	n.a.	T 14
F 15	3 13 50	18° 1'36	28° 0	26°55	28°23	26°27	23°51	22° 1	18° 2	2°48	15°22	0°D53	2°40	19°55	n.a.	F 15
S 16	3 17 46	19° 2'49	10♋32	28°30	28° 5	27°13	24° 5	22° 7	18° 0	2°51	15°24	0°53	2°37	20° 2	n.a.	S 16
S 17	3 21 43	20° 4'03	23°18	0♐ 5	27°51	27°59	24°19	22°13	17°58	2°53	15°26	0°55	2°34	20° 9	n.a.	S 17
M18	3 25 39	21° 5'17	6♌21	1°40	27°38	28°45	24°33	22°20	17°55	2°55	15°28	0°56	2°31	20°16	n.a.	M18
T 19	3 29 36	22° 6'32	19°43	3°15	27°29	29°31	24°47	22°26	17°53	2°57	15°30	0°R57	2°27	20°22	n.a.	T 19
W20	3 33 33	23° 7'48	3♍28	4°50	27°21	0♐18	25° 0	22°33	17°51	2°59	15°32	0°56	2°24	20°29	n.a.	W20
T 21	3 37 29	24° 9'04	17°36	6°25	27°17	1° 4	25°14	22°39	17°48	3° 2	15°34	0°54	2°21	20°36	n.a.	T 21
F 22	3 41 26	25°10'21	2♎ 5	8° 0	27°D14	1°50	25°28	22°46	17°46	3° 4	15°36	0°51	2°18	20°42	n.a.	F 22
S 23	3 45 22	26°11'38	16°53	9°35	27°15	2°37	25°42	22°52	17°44	3° 6	15°38	0°46	2°15	20°49	n.a.	S 23
S 24	3 49 19	27°12'56	1♏53	11° 9	27°17	3°23	25°56	22°59	17°41	3° 8	15°40	0°40	2°12	20°56	n.a.	S 24
M25	3 53 15	28°14'14	16°56	12°43	27°22	4° 9	26°10	23° 6	17°39	3°11	15°42	0°35	2° 8	21° 3	n.a.	M25
T 26	3 57 12	29°15'32	1♐52	14°16	27°30	4°56	26°24	23°12	17°37	3°13	15°44	0°32	2° 5	21° 9	n.a.	T 26
W27	4 1 8	0♐16'50	16°34	15°49	27°40	5°42	26°37	23°19	17°34	3°15	15°46	0°29	2° 2	21°16	n.a.	W27
T 28	4 5 5	1°18'09	0♑54	17°20	27°51	6°29	26°51	23°26	17°32	3°18	15°48	0°D29	1°59	21°23	n.a.	T 28
F 29	4 9 2	2°19'27	14°48	18°51	28° 6	7°15	27° 5	23°33	17°29	3°20	15°49	0°29	1°56	21°30	n.a.	F 29
S 30	4 12 58	3♐20'44	28♑15	20♐20	28♎22	8♐ 2	27♏19	23♐39	17♊27	3♐22	15♎51	0♑31	1♑53	21♈36	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s56	23s 9	0n25	13s59	0s42	16s41	3s22	17s13	0s27	17s43	0n27	23s 7	0n18	23n27	0n12	19s38	1n17	7n52	14n59	23s44	23s43	11n52		n.a.
S 2	13 17	20 39	1 35	14 36	0 48	16 15	3 7	17 27	0 28	17 47	0 27	23 8	0 18	23 27	0 12	19 39	1 17	7 51	14 59	23 44	23 43	11 55		n.a.
S 3	13 38	17 11	2 38	15 13	0 54	15 49	2 52	17 40	0 28	17 51	0 27	23 8	0 18	23 27	0 12	19 39	1 17	7 51	14 59	23 44	23 43	11 57		n.a.
M 4	13 58	13 2	3 31	15 49	1 0	15 22	2 37	17 54	0 29	17 54	0 27	23 9	0 18	23 27	0 12	19 40	1 17	7 50	14 59	23 44	23 43	11 59		n.a.
T 5	14 18	8 26	4 14	16 25	1 6	14 55	2 22	18 7	0 30	17 58	0 27	23 9	0 17	23 27	0 12	19 40	1 17	7 49	14 59	23 44	23 43	12 2		n.a.
W 6	14 38	3 35	4 44	17 0	1 11	14 29	2 7	18 20	0 30	18 2	0 26	23 10	0 17	23 26	0 12	19 41	1 17	7 48	14 59	23 44	23 43	12 4		n.a.
T 7	14 58	1n20	5 1	17 34	1 17	14 2	1 51	18 33	0 31	18 5	0 26	23 10	0 17	23 26	0 12	19 41	1 17	7 48	15 0	23 44	23 43	12 7		n.a.
F 8	15 17	6 10	5 6	18 7	1 22	13 36	1 35	18 46	0 31	18 9	0 26	23 11	0 17	23 26	0 12	19 41	1 17	7 47	15 0	23 45	23 43	12 9		n.a.
S 9	15 36	10 46	4 57	18 39	1 27	13 10	1 20	18 59	0 32	18 13	0 26	23 11	0 17	23 26	0 12	19 42	1 17	7 46	15 0	23 45	23 43	12 11		n.a.
S 10	15 55	14 58	4 35	19 11	1 32	12 45	1 4	19 12	0 33	18 16	0 26	23 12	0 17	23 26	0 12	19 42	1 17	7 46	15 0	23 45	23 43	12 14		n.a.
M11	16 14	18 37	4 1	19 41	1 37	12 21	0 49	19 24	0 33	18 20	0 26	23 12	0 17	23 26	0 13	19 43	1 17	7 45	15 0	23 45	23 43	12 16		n.a.
T 12	16 32	21 30	3 17	20 11	1 41	11 57	0 33	19 36	0 34	18 24	0 26	23 13	0 17	23 25	0 13	19 43	1 17	7 44	15 0	23 45	23 43	12 19		n.a.
W13	16 50	23 27	2 23	20 39	1 45	11 34	0 19	19 48	0 34	18 27	0 26	23 13	0 17	23 25	0 13	19 44	1 17	7 44	15 1	23 45	23 43	12 21		n.a.
T 14	17 8	24 19	1 21	21 7	1 49	11 13	0 4	20 0	0 35	18 31	0 26	23 14	0 17	23 25	0 13	19 44	1 17	7 43	15 1	23 45	23 44	12 23		n.a.
F 15	17 26	24 0	0 16	21 33	1 53	10 52	0n11	20 11	0 35	18 34	0 25	23 14	0 17	23 25	0 13	19 45	1 17	7 42	15 1	23 45	23 44	12 26		n.a.
S 16	17 43	22 28	0s52	21 59	1 56	10 33	0 25	20 23	0 36	18 38	0 25	23 15	0 16	23 25	0 13	19 45	1 17	7 42	15 1	23 45	23 44	12 28		n.a.
S 17	17 59	19 46	1 59	22 23	2 0	10 15	0 38	20 34	0 37	18 41	0 25	23 15	0 16	23 25	0 13	19 45	1 17	7 41	15 2	23 45	23 44	12 30		n.a.
M18	18 16	16 1	3 1	22 46	2 2	9 58	0 51	20 45	0 37	18 45	0 25	23 15	0 16	23 24	0 13	19 46	1 17	7 41	15 2	23 45	23 44	12 33		n.a.
T 19	18 32	11 23	3 54	23 7	2 5	9 43	1 4	20 56	0 38	18 48	0 25	23 16	0 16	23 24	0 13	19 46	1 17	7 40	15 2	23 45	23 44	12 35		n.a.
W20	18 48	6 5	4 36	23 28	2 7	9 29	1 16	21 6	0 38	18 52	0 25	23 16	0 16	23 24	0 13	19 47	1 17	7 40	15 2	23 45	23 44	12 37		n.a.
T 21	19 3	0 19	5 3	23 46	2 8	9 16	1 28	21 16	0 39	18 55	0 25	23 17	0 16	23 24	0 13	19 47	1 17	7 39	15 3	23 45	23 44	12 40		n.a.
F 22	19 19	5s35	5 11	24 4	2 10	9 5	1 40	21 27	0 39	18 59	0 25	23 17	0 16	23 24	0 13	19 48	1 17	7 39	15 3	23 45	23 44	12 42		n.a.
S 23	19 33	11 19	4 59	24 20	2 10	8 55	1 51	21 36	0 40	19 2	0 25	23 18	0 16	23 23	0 13	19 48	1 16	7 38	15 3	23 45	23 44	12 44		n.a.
S 24	19 48	16 26	4 27	24 34	2 11	8 46	2 1	21 46	0 40	19 6	0 25	23 18	0 16	23 23	0 13	19 49	1 16	7 38	15 3	23 45	23 44	12 47		n.a.
M25	20 2	20 33	3 36	24 47	2 11	8 38	2 11	21 55	0 41	19 9	0 24	23 19	0 16	23 23	0 13	19 49	1 16	7 37	15 4	23 45	23 44	12 49		n.a.
T 26	20 15	23 15	2 30	24 58	2 10	8 32	2 20	22 5	0 41	19 12	0 24	23 19	0 16	23 23	0 13	19 50	1 16	7 37	15 4	23 45	23 44	12 51		n.a.
W27	20 29	24 19	1 15	25 7	2 8	8 27	2 29	22 14	0 42	19 16	0 24	23 20	0 15	23 23	0 13	19 50	1 16	7 36	15 4	23 45	23 44	12 54		n.a.
T 28	20 41	23 43	0n 2	25 14	2 6	8 24	2 38	22 22	0 42	19 19	0 24	23 20	0 15	23 22	0 13	19 50	1 16	7 36	15 5	23 45	23 44	12 56		n.a.
F 29	20 54	21 38	1 18	25 20	2 4	8 21	2 46	22 31	0 43	19 22	0 24	23 20	0 15	23 22	0 13	19 51	1 16	7 35	15 5	23 45	23 44	12 58		n.a.
S 30	21s 6	18s23	2n27	25s24	2s 0	8s20	2n54	22s39	0s43	19s26	0n24	23s21	0n15	23n22	0n13	19s51	1n16	7n35	15n 5	23s45	23s44	13n 0		n.a.

Julian Day Number = 1544581.5, Delta T = 04h35m13s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'34, Lahiri = -10°38'34 Julian Calendar 1 Nov. 485 BCE == Greg. Calendar 27 Oct. 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 485 BCE
geocentric

DECEMBER 485 BCE (-484) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 16 55	4♐22'02	11♒17	21♐47	28♎40	8♐49	27♏33	23♐46	17°R24	3♐24	15♎53	0♑33	1♑49	21♈43	n.a.	S 1
M 2	4 20 51	5°23'18	23°56	23°13	29° 0	9°35	27°46	23°53	17♊22	3°27	15°55	0°34	1°46	21°50	n.a.	M 2
T 3	4 24 48	6°24'35	6♓16	24°36	29°22	10°22	28° 0	24° 0	17°19	3°29	15°57	0°R34	1°43	21°56	n.a.	T 3
W 4	4 28 44	7°25'51	18°22	25°56	29°46	11° 9	28°14	24° 7	17°17	3°31	15°58	0°34	1°40	22° 3	n.a.	W 4
T 5	4 32 41	8°27'06	0♈19	27°13	0♏12	11°55	28°28	24°14	17°14	3°33	16° 0	0°32	1°37	22°10	n.a.	T 5
F 6	4 36 37	9°28'21	12°11	28°26	0°39	12°42	28°42	24°21	17°11	3°36	16° 2	0°30	1°33	22°17	n.a.	F 6
S 7	4 40 34	10°29'35	24° 2	29°34	1° 8	13°29	28°55	24°28	17° 9	3°38	16° 3	0°26	1°30	22°23	n.a.	S 7
S 8	4 44 31	11°30'48	5♉56	0♑36	1°39	14°16	29° 9	24°35	17° 6	3°40	16° 5	0°23	1°27	22°30	n.a.	S 8
M 9	4 48 27	12°32'01	17°56	1°33	2°11	15° 2	29°23	24°42	17° 4	3°43	16° 6	0°20	1°24	22°37	n.a.	M 9
T 10	4 52 24	13°33'14	0♊ 3	2°22	2°45	15°49	29°36	24°49	17° 1	3°45	16° 8	0°17	1°21	22°43	n.a.	T 10
W11	4 56 20	14°34'26	12°20	3° 3	3°20	16°36	29°50	24°56	16°58	3°47	16°10	0°16	1°18	22°50	n.a.	W11
T 12	5 0 17	15°35'37	24°47	3°36	3°57	17°23	0♐ 4	25° 3	16°56	3°49	16°11	0°D15	1°14	22°57	n.a.	T 12
F 13	5 4 13	16°36'48	7♋26	3°59	4°35	18°10	0°17	25°10	16°53	3°51	16°12	0°15	1°11	23° 4	n.a.	F 13
S 14	5 8 10	17°37'59	20°17	4°11	5°14	18°57	0°31	25°17	16°51	3°54	16°14	0°16	1° 8	23°10	n.a.	S 14
S 15	5 12 7	18°39'08	3♌21	4°R12	5°54	19°44	0°44	25°24	16°48	3°56	16°15	0°17	1° 5	23°17	n.a.	S 15
M16	5 16 3	19°40'18	16°39	4° 2	6°36	20°31	0°58	25°31	16°45	3°58	16°17	0°18	1° 2	23°24	n.a.	M16
T 17	5 20 0	20°41'26	0♍11	3°40	7°18	21°18	1°11	25°39	16°43	4° 0	16°18	0°19	0°59	23°30	n.a.	T 17
W18	5 23 56	21°42'35	13°57	3° 6	8° 2	22° 5	1°25	25°46	16°40	4° 3	16°19	0°19	0°55	23°37	n.a.	W18
T 19	5 27 53	22°43'42	27°57	2°22	8°47	22°52	1°38	25°53	16°38	4° 5	16°21	0°R19	0°52	23°44	n.a.	T 19
F 20	5 31 49	23°44'49	12♎11	1°28	9°33	23°39	1°52	26° 0	16°35	4° 7	16°22	0°19	0°49	23°51	n.a.	F 20
S 21	5 35 46	24°45'56	26°35	0°25	10°19	24°26	2° 5	26° 7	16°32	4° 9	16°23	0°18	0°46	23°57	n.a.	S 21
S 22	5 39 42	25°47'02	11♏ 7	29♐16	11° 7	25°13	2°18	26°14	16°30	4°11	16°24	0°18	0°43	24° 4	n.a.	S 22
M23	5 43 39	26°48'07	25°42	28° 2	11°55	26° 1	2°32	26°21	16°27	4°13	16°25	0°17	0°39	24°11	n.a.	M23
T 24	5 47 36	27°49'12	10♐13	26°47	12°45	26°48	2°45	26°29	16°25	4°15	16°27	0°17	0°36	24°17	n.a.	T 24
W25	5 51 32	28°50'16	24°35	25°31	13°35	27°35	2°58	26°36	16°22	4°18	16°28	0°D17	0°33	24°24	n.a.	W25
T 26	5 55 29	29°51'18	8♑43	24°17	14°26	28°22	3°11	26°43	16°20	4°20	16°29	0°R17	0°30	24°31	n.a.	T 26
F 27	5 59 25	0♑52'19	22°31	23° 8	15°18	29° 9	3°24	26°50	16°17	4°22	16°30	0°17	0°27	24°38	n.a.	F 27
S 28	6 3 22	1°53'20	5♒58	22° 5	16°10	29°57	3°37	26°57	16°15	4°24	16°31	0°17	0°24	24°44	n.a.	S 28
S 29	6 7 18	2°54'18	19° 3	21° 8	17° 3	0♑44	3°50	27° 4	16°12	4°26	16°32	0°17	0°20	24°51	n.a.	S 29
M30	6 11 15	3°55'15	1♓46	20°20	17°57	1°31	4° 3	27°11	16°10	4°28	16°33	0°16	0°17	24°58	n.a.	M30
T 31	6 15 11	4♑56'11	14♓11	19♐39	18♏51	2♑18	4♐16	27♐18	16♊ 7	4♐30	16♎34	0♑16	0♑14	25♈ 4	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s18	14s20	3n26	25s26	1s56	8s20	3n 1	22s47	0s44	19s29	0n24	23s21	0n15	23n22	0n13	19s52	1n16	7n35	15n 5	23s45	23s44	13n 3		n.a.
M 2	21 29	9 45	4 13	25 26	1 51	8 21	3 7	22 55	0 45	19 32	0 24	23 22	0 15	23 21	0 13	19 52	1 16	7 34	15 6	23 45	23 45	13 5		n.a.
T 3	21 40	4 53	4 47	25 24	1 45	8 23	3 14	23 2	0 45	19 35	0 24	23 22	0 15	23 21	0 13	19 53	1 16	7 34	15 6	23 45	23 45	13 7		n.a.
W 4	21 50	0n 3	5 8	25 20	1 39	8 25	3 20	23 9	0 46	19 39	0 24	23 22	0 15	23 21	0 13	19 53	1 16	7 34	15 7	23 45	23 45	13 10		n.a.
T 5	22 0	4 56	5 15	25 14	1 31	8 29	3 25	23 16	0 46	19 42	0 24	23 23	0 15	23 21	0 13	19 54	1 16	7 33	15 7	23 45	23 45	13 12		n.a.
F 6	22 10	9 35	5 8	25 7	1 22	8 34	3 30	23 23	0 46	19 45	0 23	23 23	0 15	23 20	0 13	19 54	1 16	7 33	15 7	23 45	23 45	13 14		n.a.
S 7	22 19	13 54	4 48	24 58	1 12	8 40	3 35	23 30	0 47	19 48	0 23	23 24	0 15	23 20	0 13	19 54	1 16	7 33	15 8	23 45	23 45	13 16		n.a.
S 8	22 28	17 42	4 16	24 47	1 1	8 46	3 40	23 36	0 47	19 51	0 23	23 24	0 15	23 20	0 13	19 55	1 16	7 32	15 8	23 45	23 45	13 19		n.a.
M 9	22 36	20 48	3 33	24 34	0 49	8 54	3 44	23 42	0 48	19 54	0 23	23 24	0 14	23 20	0 13	19 55	1 16	7 32	15 8	23 45	23 45	13 21		n.a.
T 10	22 44	23 1	2 39	24 20	0 36	9 2	3 47	23 47	0 48	19 57	0 23	23 25	0 14	23 20	0 13	19 56	1 16	7 32	15 9	23 45	23 45	13 23		n.a.
W11	22 51	24 11	1 37	24 5	0 22	9 11	3 51	23 53	0 49	20 0	0 23	23 25	0 14	23 19	0 13	19 56	1 16	7 32	15 9	23 45	23 45	13 25		n.a.
T 12	22 58	24 9	0 30	23 49	0 6	9 20	3 54	23 58	0 49	20 3	0 23	23 25	0 14	23 19	0 13	19 57	1 16	7 31	15 9	23 45	23 45	13 28		n.a.
F 13	23 4	22 53	0s40	23 31	0n10	9 30	3 56	24 3	0 50	20 6	0 23	23 26	0 14	23 19	0 13	19 57	1 16	7 31	15 10	23 45	23 45	13 30		n.a.
S 14	23 10	20 24	1 49	23 14	0 28	9 41	3 59	24 7	0 50	20 9	0 23	23 26	0 14	23 19	0 13	19 57	1 16	7 31	15 10	23 45	23 45	13 32		n.a.
S 15	23 16	16 51	2 53	22 55	0 46	9 53	4 1	24 12	0 51	20 12	0 23	23 26	0 14	23 18	0 13	19 58	1 16	7 31	15 11	23 45	23 45	13 34		n.a.
M16	23 21	12 24	3 50	22 37	1 5	10 5	4 3	24 16	0 51	20 15	0 23	23 27	0 14	23 18	0 13	19 58	1 16	7 31	15 11	23 45	23 45	13 37		n.a.
T 17	23 25	7 17	4 34	22 19	1 24	10 17	4 4	24 19	0 52	20 18	0 23	23 27	0 14	23 18	0 13	19 59	1 16	7 31	15 11	23 45	23 45	13 39		n.a.
W18	23 29	1 43	5 4	22 0	1 43	10 30	4 6	24 23	0 52	20 21	0 22	23 27	0 14	23 18	0 13	19 59	1 16	7 31	15 12	23 45	23 45	13 41		n.a.
T 19	23 33	4s 0	5 17	21 42	2 2	10 43	4 7	24 26	0 52	20 24	0 22	23 28	0 14	23 17	0 13	19 59	1 16	7 30	15 12	23 45	23 45	13 43		n.a.
F 20	23 36	9 37	5 10	21 25	2 19	10 57	4 8	24 29	0 53	20 27	0 22	23 28	0 14	23 17	0 13	20 0	1 16	7 30	15 13	23 45	23 45	13 46		n.a.
S 21	23 39	14 48	4 44	21 9	2 36	11 11	4 8	24 31	0 53	20 29	0 22	23 28	0 14	23 17	0 13	20 0	1 16	7 30	15 13	23 45	23 45	13 48		n.a.
S 22	23 41	19 9	4 0	20 54	2 52	11 25	4 8	24 34	0 54	20 32	0 22	23 28	0 13	23 16	0 13	20 1	1 16	7 30	15 14	23 45	23 45	13 50		n.a.
M23	23 43	22 21	3 0	20 39	3 5	11 40	4 9	24 36	0 54	20 35	0 22	23 29	0 13	23 16	0 13	20 1	1 16	7 30	15 14	23 45	23 45	13 52		n.a.
T 24	23 44	24 4	1 49	20 27	3 16	11 55	4 9	24 37	0 54	20 37	0 22	23 29	0 13	23 16	0 13	20 1	1 16	7 30	15 14	23 45	23 45	13 54		n.a.
W25	23 45	24 10	0 32	20 16	3 25	12 11	4 8	24 39	0 55	20 40	0 22	23 29	0 13	23 16	0 13	20 2	1 16	7 30	15 15	23 45	23 45	13 57		n.a.
T 26	23 45	22 41	0n47	20 7	3 31	12 26	4 8	24 40	0 55	20 43	0 22	23 30	0 13	23 15	0 13	20 2	1 16	7 30	15 15	23 45	23 45	13 59		n.a.
F 27	23 45	19 52	2 0	19 59	3 35	12 42	4 7	24 41	0 56	20 45	0 22	23 30	0 13	23 15	0 13	20 3	1 16	7 30	15 16	23 45	23 45	14 1		n.a.
S 28	23 44	16 2	3 5	19 54	3 37	12 58	4 6	24 41	0 56	20 48	0 22	23 30	0 13	23 15	0 13	20 3	1 16	7 30	15 16	23 45	23 45	14 3		n.a.
S 29	23 43	11 32	3 59	19 51	3 36	13 14	4 5	24 41	0 56	20 51	0 22	23 30	0 13	23 15	0 13	20 3	1 16	7 30	15 17	23 45	23 45	14 5		n.a.
M30	23 42	6 39	4 39	19 51	3 34	13 30	4 4	24 41	0 57	20 53	0 22	23 30	0 13	23 14	0 13	20 4	1 16	7 30	15 17	23 45	23 45	14 8		n.a.
T 31	23s40	1s37	5n 5	19s52	3n30	13s46	4n 3	24s41	0s57	20s56	0n21	23s31	0n13	23n14	0n13	20s 4	1n16	7n31	15n18	23s45	23s45	14n10		n.a.

Julian Day Number = 1544611.5, Delta T = 04h35m12s
Ecliptic obliquity = 23°45'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'30, Lahiri = -10°38'29 Julian Calendar 1 Dec. 485 BCE == Greg. Calendar 26 Nov. 485 BCE

The year -484 astronomical counting style corresponds to year 485 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

JANUARY 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 19 8	5♉57'05	26♓21	19°R 7	19♏46	3♉ 6	4♐29	27♐25	16°R 5	4♐32	16♎34	0°R15	0♉11	25♈11	n.a.	W 1
T 2	6 23 5	6°57'58	8♈20	18♐44	20°41	3°53	4°42	27°33	16♊ 3	4°34	16°35	0°D15	0° 8	25°18	n.a.	T 2
F 3	6 27 1	7°58'49	20°13	18°29	21°37	4°40	4°55	27°40	16° 0	4°36	16°36	0♉16	0° 5	25°25	n.a.	F 3
S 4	6 30 58	8°59'38	2♉ 4	18°D22	22°34	5°27	5° 7	27°47	15°58	4°38	16°37	0°16	0° 1	25°31	n.a.	S 4
S 5	6 34 54	10° 0'26	13°59	18°23	23°31	6°15	5°20	27°54	15°55	4°40	16°37	0°17	29♐58	25°38	n.a.	S 5
M 6	6 38 51	11° 1'12	26° 1	18°31	24°29	7° 2	5°33	28° 1	15°53	4°42	16°38	0°18	29°55	25°45	n.a.	M 6
T 7	6 42 47	12° 1'57	8♊14	18°46	25°27	7°49	5°45	28° 8	15°51	4°44	16°39	0°19	29°52	25°51	n.a.	T 7
W 8	6 46 44	13° 2'39	20°41	19° 6	26°25	8°37	5°58	28°15	15°49	4°46	16°39	0°20	29°49	25°58	n.a.	W 8
T 9	6 50 41	14° 3'21	3♋24	19°33	27°24	9°24	6°10	28°22	15°46	4°48	16°40	0°R20	29°45	26° 5	n.a.	T 9
F 10	6 54 37	15° 4'00	16°23	20° 4	28°24	10°11	6°22	28°29	15°44	4°49	16°40	0°20	29°42	26°11	n.a.	F 10
S 11	6 58 34	16° 4'39	29°38	20°41	29°24	10°59	6°34	28°36	15°42	4°51	16°41	0°18	29°39	26°18	n.a.	S 11
S 12	7 2 30	17° 5'15	13♌ 9	21°22	0♐24	11°46	6°47	28°43	15°40	4°53	16°41	0°16	29°36	26°25	n.a.	S 12
M13	7 6 27	18° 5'50	26°52	22° 7	1°25	12°33	6°59	28°49	15°38	4°55	16°42	0°14	29°33	26°32	n.a.	M13
T 14	7 10 23	19° 6'23	10♍46	22°56	2°26	13°20	7°11	28°56	15°36	4°57	16°42	0°11	29°30	26°38	n.a.	T 14
W15	7 14 20	20° 6'55	24°48	23°48	3°27	14° 8	7°23	29° 3	15°34	4°58	16°43	0° 9	29°26	26°45	n.a.	W15
T 16	7 18 16	21° 7'26	8♎55	24°43	4°29	14°55	7°35	29°10	15°32	5° 0	16°43	0° 7	29°23	26°52	n.a.	T 16
F 17	7 22 13	22° 7'55	23° 5	25°42	5°31	15°42	7°47	29°17	15°30	5° 2	16°43	0°D 7	29°20	26°58	n.a.	F 17
S 18	7 26 10	23° 8'23	7♏16	26°43	6°33	16°30	7°58	29°24	15°28	5° 3	16°43	0° 7	29°17	27° 5	n.a.	S 18
S 19	7 30 6	24° 8'49	21°26	27°46	7°36	17°17	8°10	29°30	15°26	5° 5	16°44	0° 9	29°14	27°12	n.a.	S 19
M20	7 34 3	25° 9'14	5♐33	28°52	8°39	18° 4	8°22	29°37	15°24	5° 7	16°44	0°10	29°10	27°19	n.a.	M20
T 21	7 37 59	26° 9'38	19°35	0♉ 0	9°42	18°52	8°33	29°44	15°22	5° 8	16°44	0°11	29° 7	27°25	n.a.	T 21
W22	7 41 56	27° 9'59	3♉28	1°10	10°46	19°39	8°44	29°50	15°21	5°10	16°44	0°R12	29° 4	27°32	n.a.	W22
T 23	7 45 52	28°10'19	17°11	2°22	11°50	20°26	8°56	29°57	15°19	5°12	16°44	0°11	29° 1	27°39	n.a.	T 23
F 24	7 49 49	29°10'38	0♒41	3°36	12°54	21°13	9° 7	0♉ 3	15°17	5°13	16°R44	0° 8	28°58	27°45	n.a.	F 24
S 25	7 53 45	0♒10'54	13°55	4°52	13°58	22° 1	9°18	0°10	15°16	5°15	16°44	0° 4	28°55	27°52	n.a.	S 25
S 26	7 57 42	1°11'08	26°52	6° 9	15° 3	22°48	9°29	0°16	15°14	5°16	16°44	29♐59	28°51	27°59	n.a.	S 26
M27	8 1 39	2°11'20	9♓33	7°28	16° 7	23°35	9°40	0°23	15°12	5°17	16°44	29°53	28°48	28° 6	n.a.	M27
T 28	8 5 35	3°11'30	21°58	8°48	17°12	24°23	9°51	0°29	15°11	5°19	16°44	29°48	28°45	28°12	n.a.	T 28
W29	8 9 32	4°11'37	4♈ 8	10°10	18°18	25°10	10° 2	0°36	15° 9	5°20	16°44	29°43	28°42	28°19	n.a.	W29
T 30	8 13 28	5°11'43	16° 8	11°33	19°23	25°57	10°13	0°42	15° 8	5°22	16°43	29°40	28°39	28°26	n.a.	T 30
F 31	8 17 25	6♒11'46	28♈ 1	12♉57	20♐29	26♉44	10♐23	0♉48	15♊ 7	5♐23	16♎43	29♐38	28♐36	28♈32	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23s37	3n21	5n16	19s55	3n24	14s 2	4n 1	24s40	0s57	20s58	0n21	23s31	0n13	23n14	0n13	20s 4	1n16	7n31	15n18	23s45	23s45	14n12			n.a.
T 2	23 34	8 8	5 14	20 0	3 17	14 19	3 59	24 39	0 58	21 0	0 21	23 31	0 13	23 14	0 13	20 5	1 16	7 31	15 19	23 45	23 45	14 14			n.a.
F 3	23 31	12 35	4 58	20 7	3 9	14 35	3 58	24 38	0 58	21 3	0 21	23 31	0 13	23 13	0 13	20 5	1 17	7 31	15 19	23 45	23 45	14 16			n.a.
S 4	23 27	16 33	4 30	20 15	3 0	14 51	3 56	24 37	0 58	21 5	0 21	23 32	0 13	23 13	0 13	20 5	1 17	7 31	15 19	23 45	23 45	14 18			n.a.
S 5	23 22	19 53	3 50	20 25	2 50	15 8	3 53	24 35	0 59	21 8	0 21	23 32	0 12	23 13	0 13	20 6	1 17	7 31	15 20	23 45	23 45	14 21			n.a.
M 6	23 17	22 24	2 59	20 35	2 40	15 24	3 51	24 33	0 59	21 10	0 21	23 32	0 12	23 13	0 13	20 6	1 17	7 31	15 20	23 45	23 45	14 23			n.a.
T 7	23 12	23 56	1 59	20 47	2 30	15 40	3 49	24 30	0 59	21 12	0 21	23 32	0 12	23 13	0 13	20 6	1 17	7 32	15 21	23 45	23 45	14 25			n.a.
W 8	23 6	24 18	0 53	20 59	2 19	15 57	3 46	24 28	1 0	21 15	0 21	23 32	0 12	23 12	0 13	20 7	1 17	7 32	15 21	23 45	23 45	14 27			n.a.
T 9	23 0	23 26	0s17	21 12	2 8	16 13	3 44	24 25	1 0	21 17	0 21	23 32	0 12	23 12	0 13	20 7	1 17	7 32	15 22	23 45	23 45	14 29			n.a.
F 10	22 53	21 17	1 28	21 25	1 57	16 29	3 41	24 22	1 0	21 19	0 21	23 33	0 12	23 12	0 13	20 7	1 17	7 32	15 22	23 45	23 45	14 31			n.a.
S 11	22 46	17 58	2 35	21 39	1 47	16 44	3 38	24 18	1 1	21 21	0 21	23 33	0 12	23 12	0 13	20 8	1 17	7 33	15 23	23 45	23 45	14 33			n.a.
S 12	22 39	13 40	3 35	21 53	1 36	17 0	3 35	24 14	1 1	21 23	0 21	23 33	0 12	23 11	0 13	20 8	1 17	7 33	15 23	23 45	23 45	14 36			n.a.
M13	22 31	8 36	4 23	22 6	1 25	17 15	3 32	24 10	1 1	21 25	0 20	23 33	0 12	23 11	0 13	20 8	1 17	7 33	15 24	23 45	23 45	14 38			n.a.
T 14	22 22	3 3	4 57	22 20	1 14	17 31	3 29	24 6	1 1	21 28	0 20	23 33	0 12	23 11	0 13	20 9	1 17	7 33	15 24	23 45	23 45	14 40			n.a.
W15	22 13	2s42	5 14	22 33	1 3	17 46	3 25	24 1	1 2	21 30	0 20	23 33	0 12	23 11	0 13	20 9	1 17	7 34	15 25	23 45	23 45	14 42			n.a.
T 16	22 4	8 20	5 11	22 46	0 53	18 0	3 22	23 56	1 2	21 32	0 20	23 33	0 12	23 10	0 13	20 9	1 17	7 34	15 25	23 45	23 45	14 44			n.a.
F 17	21 55	13 34	4 50	22 59	0 42	18 15	3 19	23 51	1 2	21 34	0 20	23 33	0 12	23 10	0 13	20 10	1 17	7 34	15 26	23 45	23 45	14 46			n.a.
S 18	21 44	18 4	4 11	23 10	0 32	18 29	3 15	23 45	1 2	21 36	0 20	23 34	0 12	23 10	0 13	20 10	1 17	7 35	15 26	23 45	23 45	14 48			n.a.
S 19	21 34	21 32	3 17	23 22	0 23	18 43	3 12	23 39	1 3	21 38	0 20	23 34	0 12	23 10	0 13	20 10	1 17	7 35	15 27	23 45	23 45	14 50			n.a.
M20	21 23	23 40	2 11	23 32	0 13	18 56	3 8	23 33	1 3	21 40	0 20	23 34	0 11	23 10	0 13	20 10	1 17	7 35	15 27	23 45	23 45	14 52			n.a.
T 21	21 12	24 18	0 58	23 42	0 4	19 10	3 4	23 27	1 3	21 41	0 20	23 34	0 11	23 9	0 13	20 11	1 17	7 36	15 28	23 45	23 45	14 54			n.a.
W22	21 0	23 25	0n18	23 51	0s 6	19 23	3 0	23 20	1 3	21 43	0 20	23 34	0 11	23 9	0 13	20 11	1 17	7 36	15 28	23 45	23 45	14 57			n.a.
T 23	20 48	21 7	1 32	23 58	0 14	19 35	2 57	23 13	1 4	21 45	0 20	23 34	0 11	23 9	0 13	20 11	1 17	7 37	15 28	23 45	23 45	14 59			n.a.
F 24	20 35	17 41	2 39	24 5	0 23	19 47	2 53	23 6	1 4	21 47	0 20	23 34	0 11	23 9	0 13	20 11	1 17	7 37	15 29	23 45	23 45	15 1			n.a.
S 25	20 23	13 25	3 37	24 11	0 31	19 59	2 49	22 59	1 4	21 49	0 20	23 34	0 11	23 9	0 13	20 12	1 17	7 37	15 29	23 45	23 45	15 3			n.a.
S 26	20 9	8 37	4 22	24 16	0 39	20 11	2 45	22 51	1 4	21 51	0 20	23 34	0 11	23 9	0 13	20 12	1 17	7 38	15 30	23 45	23 45	15 5			n.a.
M27	19 56	3 35	4 52	24 19	0 47	20 22	2 41	22 43	1 4	21 52	0 20	23 34	0 11	23 8	0 13	20 12	1 17	7 38	15 30	23 45	23 45	15 7			n.a.
T 28	19 42	1n29	5 9	24 22	0 55	20 32	2 36	22 35	1 5	21 54	0 19	23 34	0 11	23 8	0 13	20 12	1 17	7 39	15 31	23 45	23 45	15 9			n.a.
W29	19 28	6 24	5 11	24 23	1 2	20 42	2 32	22 26	1 5	21 56	0 19	23 34	0 11	23 8	0 13	20 13	1 17	7 39	15 31	23 45	23 45	15 11			n.a.
T 30	19 13	11 1	4 59	24 23	1 8	20 52	2 28	22 18	1 5	21 57	0 19	23 34	0 11	23 8	0 13	20 13	1 17	7 40	15 32	23 45	23 45	15 13			n.a.
F 31	18s58	15n10	4n34	24s21	1s15	21s 1	2n24	22s 9	1s 5	21s59	0n19	23s34	0n11	23n 8	0n13	20s13	1n17	7n40	15n32	23s45	23s45	15n15			n.a.

Julian Day Number = 1544642.5, Delta T = 04h35m11s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'26, Lahiri = -10°38'25 Julian Calendar 1 Jan. 484 BCE == Greg. Calendar 27 Dec. 485 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

FEBRUARY 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 21 21	7♒11'47	9♉52	14♑23	21♐34	27♑31	10♐34	0♑54	15°R 5	5♐24	16°R43	29°D37	28♐32	28♈39	n.a.	S 1
S 2	8 25 18	8°11'46	21°46	15°50	22°40	28°18	10°44	1° 1	15♊ 4	5°26	16♎43	29♐38	28°29	28°46	n.a.	S 2
M 3	8 29 14	9°11'42	3♊48	17°18	23°46	29° 6	10°54	1° 7	15° 3	5°27	16°42	29°40	28°26	28°52	n.a.	M 3
T 4	8 33 11	10°11'37	16° 3	18°48	24°53	29°53	11° 5	1°13	15° 2	5°28	16°42	29°41	28°23	28°59	n.a.	T 4
W 5	8 37 7	11°11'29	28°35	20°18	25°59	0♒40	11°15	1°19	15° 1	5°29	16°42	29°R42	28°20	29° 6	n.a.	W 5
T 6	8 41 4	12°11'18	11♋27	21°50	27° 6	1°27	11°25	1°25	14°59	5°30	16°41	29°41	28°16	29°13	n.a.	T 6
F 7	8 45 1	13°11'06	24°42	23°23	28°13	2°14	11°34	1°31	14°58	5°32	16°41	29°39	28°13	29°19	n.a.	F 7
S 8	8 48 57	14°10'51	8♌18	24°58	29°20	3° 1	11°44	1°37	14°57	5°33	16°40	29°34	28°10	29°26	n.a.	S 8
S 9	8 52 54	15°10'34	22°15	26°33	0♑27	3°48	11°54	1°43	14°56	5°34	16°40	29°28	28° 7	29°33	n.a.	S 9
M10	8 56 50	16°10'15	6♍27	28°10	1°34	4°35	12° 3	1°48	14°56	5°35	16°39	29°20	28° 4	29°39	n.a.	M10
T 11	9 0 47	17° 9'54	20°50	29°48	2°42	5°22	12°13	1°54	14°55	5°36	16°39	29°13	28° 1	29°46	n.a.	T 11
W12	9 4 43	18° 9'30	5♎18	1♒27	3°49	6° 9	12°22	2° 0	14°54	5°37	16°38	29° 6	27°57	29°53	n.a.	W12
T 13	9 8 40	19° 9'05	19°44	3° 8	4°57	6°56	12°31	2° 6	14°53	5°38	16°37	29° 0	27°54	29°59	n.a.	T 13
F 14	9 12 36	20° 8'39	4♏ 5	4°49	6° 5	7°43	12°40	2°11	14°53	5°39	16°37	28°57	27°51	0♉ 6	n.a.	F 14
S 15	9 16 33	21° 8'10	18°17	6°32	7°13	8°30	12°49	2°17	14°52	5°40	16°36	28°D56	27°48	0°13	n.a.	S 15
S 16	9 20 30	22° 7'40	2♐18	8°16	8°21	9°17	12°58	2°22	14°51	5°41	16°35	28°56	27°45	0°20	n.a.	S 16
M17	9 24 26	23° 7'07	16° 8	10° 2	9°29	10° 4	13° 7	2°27	14°51	5°41	16°34	28°57	27°42	0°26	n.a.	M17
T 18	9 28 23	24° 6'33	29°46	11°48	10°37	10°50	13°15	2°33	14°50	5°42	16°34	28°R58	27°38	0°33	n.a.	T 18
W19	9 32 19	25° 5'57	13♑14	13°36	11°46	11°37	13°24	2°38	14°50	5°43	16°33	28°57	27°35	0°40	n.a.	W19
T 20	9 36 16	26° 5'19	26°31	15°26	12°54	12°24	13°32	2°43	14°49	5°44	16°32	28°53	27°32	0°46	n.a.	T 20
F 21	9 40 12	27° 4'39	9♒38	17°16	14° 3	13°11	13°40	2°48	14°49	5°44	16°31	28°47	27°29	0°53	n.a.	F 21
S 22	9 44 9	28° 3'57	22°32	19° 8	15°12	13°58	13°48	2°53	14°49	5°45	16°30	28°39	27°26	1° 0	n.a.	S 22
S 23	9 48 5	29° 3'12	5♓14	21° 2	16°20	14°44	13°56	2°58	14°49	5°46	16°29	28°29	27°22	1° 7	n.a.	S 23
M24	9 52 2	0♓ 2'26	17°44	22°56	17°29	15°31	14° 4	3° 3	14°49	5°46	16°28	28°17	27°19	1°13	n.a.	M24
T 25	9 55 59	1° 1'37	0♈ 2	24°52	18°38	16°18	14°11	3° 8	14°48	5°47	16°27	28° 6	27°16	1°20	n.a.	T 25
W26	9 59 55	2° 0'46	12° 9	26°49	19°47	17° 4	14°19	3°13	14°D48	5°47	16°26	27°55	27°13	1°27	n.a.	W26
T 27	10 3 52	2°59'52	24° 6	28°47	20°56	17°51	14°26	3°18	14°48	5°48	16°25	27°46	27°10	1°33	n.a.	T 27
F 28	10 7 48	3♓58'57	5♉58	0♓47	22♑ 6	18♒37	14♐33	3♑22	14♊48	5♐48	16♎24	27♐40	27♐ 7	1♉40	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	18s43	18n43	3n58	24s19	1s21	21s10	2n20	22s 0	1s 5	22s 0	0n19	23s34	0n11	23n 8	0n13	20s13	1n17	7n41	15n33	23s45	23s45	15n17		n.a.	S 1
S 2	18 27	21 32	3 12	24 14	1 27	21 18	2 15	21 50	1 5	22 2	0 19	23 34	0 11	23 7	0 13	20 13	1 17	7 41	15 33	23 45	23 45	15 19		n.a.	S 2
M 3	18 11	23 25	2 16	24 9	1 32	21 26	2 11	21 40	1 5	22 4	0 19	23 34	0 11	23 7	0 13	20 14	1 17	7 42	15 34	23 45	23 45	15 21		n.a.	M 3
T 4	17 55	24 14	1 14	24 1	1 37	21 33	2 7	21 31	1 6	22 5	0 19	23 34	0 10	23 7	0 13	20 14	1 17	7 42	15 34	23 45	23 45	15 23		n.a.	T 4
W 5	17 39	23 51	0 6	23 53	1 42	21 39	2 2	21 20	1 6	22 7	0 19	23 34	0 10	23 7	0 13	20 14	1 17	7 43	15 34	23 45	23 45	15 25		n.a.	W 5
T 6	17 22	22 12	1s 3	23 43	1 47	21 45	1 58	21 10	1 6	22 8	0 19	23 34	0 10	23 7	0 13	20 14	1 17	7 44	15 35	23 45	23 45	15 27		n.a.	T 6
F 7	17 5	19 19	2 11	23 31	1 51	21 51	1 53	20 59	1 6	22 9	0 19	23 34	0 10	23 7	0 13	20 14	1 17	7 44	15 35	23 45	23 44	15 29		n.a.	F 7
S 8	16 47	15 19	3 13	23 17	1 54	21 56	1 49	20 49	1 6	22 11	0 19	23 34	0 10	23 7	0 13	20 15	1 17	7 45	15 36	23 45	23 44	15 31		n.a.	S 8
S 9	16 30	10 25	4 5	23 2	1 58	22 1	1 45	20 38	1 6	22 12	0 19	23 34	0 10	23 7	0 13	20 15	1 17	7 45	15 36	23 45	23 44	15 33		n.a.	S 9
M10	16 12	4 53	4 43	22 46	2 0	22 4	1 40	20 26	1 6	22 14	0 19	23 34	0 10	23 6	0 13	20 15	1 17	7 46	15 37	23 45	23 44	15 35		n.a.	M10
T 11	15 54	0s58	5 4	22 28	2 3	22 8	1 36	20 15	1 6	22 15	0 19	23 34	0 10	23 6	0 13	20 15	1 17	7 46	15 37	23 45	23 44	15 37		n.a.	T 11
W12	15 35	6 48	5 5	22 8	2 5	22 10	1 31	20 3	1 6	22 16	0 18	23 34	0 10	23 6	0 13	20 15	1 17	7 47	15 37	23 45	23 44	15 39		n.a.	W12
T 13	15 17	12 15	4 48	21 46	2 6	22 13	1 27	19 51	1 6	22 17	0 18	23 34	0 10	23 6	0 13	20 15	1 17	7 48	15 38	23 45	23 44	15 41		n.a.	T 13
F 14	14 58	16 59	4 12	21 22	2 8	22 14	1 23	19 39	1 6	22 19	0 18	23 34	0 10	23 6	0 13	20 15	1 18	7 48	15 38	23 45	23 44	15 43		n.a.	F 14
S 15	14 38	20 42	3 21	20 57	2 8	22 15	1 18	19 27	1 6	22 20	0 18	23 34	0 10	23 6	0 13	20 16	1 18	7 49	15 39	23 45	23 44	15 45		n.a.	S 15
S 16	14 19	23 9	2 18	20 30	2 9	22 16	1 14	19 14	1 7	22 21	0 18	23 34	0 10	23 6	0 13	20 16	1 18	7 50	15 39	23 45	23 44	15 47		n.a.	S 16
M17	13 59	24 9	1 8	20 1	2 8	22 15	1 9	19 1	1 7	22 22	0 18	23 34	0 10	23 6	0 13	20 16	1 18	7 50	15 39	23 45	23 44	15 49		n.a.	M17
T 18	13 40	23 41	0n 4	19 31	2 8	22 14	1 5	18 49	1 7	22 23	0 18	23 34	0 10	23 6	0 13	20 16	1 18	7 51	15 40	23 45	23 44	15 51		n.a.	T 18
W19	13 19	21 50	1 16	18 58	2 7	22 13	1 1	18 35	1 7	22 25	0 18	23 34	0 9	23 6	0 13	20 16	1 18	7 52	15 40	23 45	23 44	15 53		n.a.	W19
T 20	12 59	18 48	2 22	18 24	2 5	22 11	0 56	18 22	1 7	22 26	0 18	23 34	0 9	23 6	0 13	20 16	1 18	7 52	15 41	23 45	23 44	15 55		n.a.	T 20
F 21	12 39	14 52	3 20	17 48	2 3	22 8	0 52	18 9	1 7	22 27	0 18	23 34	0 9	23 6	0 13	20 16	1 18	7 53	15 41	23 45	23 44	15 57		n.a.	F 21
S 22	12 18	10 19	4 6	17 11	2 0	22 5	0 48	17 55	1 7	22 28	0 18	23 34	0 9	23 6	0 13	20 16	1 18	7 54	15 41	23 45	23 44	15 59		n.a.	S 22
S 23	11 57	5 23	4 39	16 31	1 57	22 1	0 44	17 41	1 7	22 29	0 18	23 34	0 9	23 6	0 13	20 16	1 18	7 54	15 42	23 45	23 44	16 1		n.a.	S 23
M24	11 36	0 20	4 58	15 50	1 53	21 56	0 39	17 27	1 7	22 30	0 18	23 34	0 9	23 6	0 13	20 16	1 18	7 55	15 42	23 45	23 44	16 3		n.a.	M24
T 25	11 15	4n38	5 3	15 6	1 49	21 51	0 35	17 13	1 7	22 31	0 18	23 34	0 9	23 6	0 13	20 16	1 18	7 56	15 42	23 44	23 44	16 5		n.a.	T 25
W26	10 54	9 22	4 54	14 21	1 44	21 46	0 31	16 59	1 7	22 32	0 17	23 34	0 9	23 6	0 13	20 17	1 18	7 56	15 43	23 44	23 43	16 7		n.a.	W26
T 27	10 32	13 40	4 32	13 35	1 38	21 39	0 27	16 44	1 7	22 33	0 17	23 34	0 9	23 6	0 13	20 17	1 18	7 57	15 43	23 44	23 43	16 9		n.a.	T 27
F 28	10s11	17n26	3n59	12s46	1s32	21s32	0n23	16s30	1s 6	22s34	0n17	23s34	0n 9	23n 6	0n13	20s17	1n18	7n58	15n43	23s44	23s43	16n11		n.a.	F 28

Julian Day Number = 1544673.5, Delta T = 04h35m10s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'21, Lahiri = -10°38'21 Julian Calendar 1 Feb. 484 BCE == Greg. Calendar 27 Jan. 484 BCE

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

MARCH 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 11 45	4♓57'58	17♉48	2♓48	23♋15	19♒24	14♐40	3♋27	14♊49	5♐49	16°R23	27°R36	27♐ 3	1♉47	n.a.	S 1
S 2	10 15 41	5°56'58	29°40	4°49	24°24	20°10	14°47	3°32	14°49	5°49	16♎22	27♐35	27° 0	1°53	n.a.	S 2
M 3	10 19 38	6°55'55	11♊40	6°52	25°34	20°57	14°54	3°36	14°49	5°50	16°20	27°D35	26°57	2° 0	n.a.	M 3
T 4	10 23 34	7°54'50	23°53	8°56	26°43	21°43	15° 1	3°40	14°49	5°50	16°19	27°R35	26°54	2° 7	n.a.	T 4
W 5	10 27 31	8°53'42	6♋25	11° 0	27°53	22°29	15° 7	3°45	14°50	5°50	16°18	27°35	26°51	2°13	n.a.	W 5
T 6	10 31 27	9°52'32	19°19	13° 5	29° 3	23°16	15°13	3°49	14°50	5°51	16°17	27°33	26°48	2°20	n.a.	T 6
F 7	10 35 24	10°51'19	2♌39	15°10	0♒12	24° 2	15°20	3°53	14°50	5°51	16°16	27°29	26°44	2°27	n.a.	F 7
S 8	10 39 21	11°50'05	16°27	17°15	1°22	24°48	15°25	3°57	14°51	5°51	16°14	27°22	26°41	2°34	n.a.	S 8
S 9	10 43 17	12°48'48	0♍40	19°20	2°32	25°34	15°31	4° 1	14°51	5°51	16°13	27°13	26°38	2°40	n.a.	S 9
M10	10 47 14	13°47'28	15°15	21°25	3°42	26°21	15°37	4° 5	14°52	5°51	16°12	27° 2	26°35	2°47	n.a.	M10
T 11	10 51 10	14°46'07	0♎ 4	23°29	4°52	27° 7	15°42	4° 9	14°53	5°51	16°10	26°51	26°32	2°54	n.a.	T 11
W12	10 55 7	15°44'44	14°58	25°32	6° 2	27°53	15°48	4°13	14°53	5°52	16° 9	26°41	26°28	3° 0	n.a.	W12
T 13	10 59 3	16°43'19	29°49	27°33	7°12	28°39	15°53	4°16	14°54	5°52	16° 8	26°32	26°25	3° 7	n.a.	T 13
F 14	11 3 0	17°41'52	14♏29	29°33	8°23	29°25	15°58	4°20	14°55	5°R52	16° 6	26°27	26°22	3°14	n.a.	F 14
S 15	11 6 56	18°40'23	28°53	1♈31	9°33	0♓11	16° 3	4°23	14°56	5°52	16° 5	26°24	26°19	3°20	n.a.	S 15
S 16	11 10 53	19°38'53	12♐58	3°26	10°43	0°57	16° 8	4°27	14°57	5°52	16° 3	26°23	26°16	3°27	n.a.	S 16
M17	11 14 50	20°37'21	26°45	5°18	11°53	1°43	16°12	4°30	14°58	5°51	16° 2	26°23	26°13	3°34	n.a.	M17
T 18	11 18 46	21°35'47	10♋13	7° 8	13° 4	2°29	16°16	4°33	14°59	5°51	16° 0	26°22	26° 9	3°41	n.a.	T 18
W19	11 22 43	22°34'12	23°26	8°54	14°14	3°14	16°21	4°36	15° 0	5°51	15°59	26°20	26° 6	3°47	n.a.	W19
T 20	11 26 39	23°32'34	6♒24	10°36	15°25	4° 0	16°25	4°40	15° 1	5°51	15°57	26°16	26° 3	3°54	n.a.	T 20
F 21	11 30 36	24°30'55	19°10	12°15	16°35	4°46	16°28	4°43	15° 2	5°51	15°56	26° 9	26° 0	4° 1	n.a.	F 21
S 22	11 34 32	25°29'15	1♓46	13°50	17°46	5°32	16°32	4°45	15° 3	5°51	15°54	25°58	25°57	4° 7	n.a.	S 22
S 23	11 38 29	26°27'32	14°12	15°21	18°57	6°17	16°36	4°48	15° 4	5°50	15°53	25°46	25°53	4°14	n.a.	S 23
M24	11 42 25	27°25'48	26°28	16°47	20° 7	7° 3	16°39	4°51	15° 6	5°50	15°51	25°32	25°50	4°21	n.a.	M24
T 25	11 46 22	28°24'01	8♈35	18°10	21°18	7°48	16°42	4°54	15° 7	5°50	15°50	25°18	25°47	4°27	n.a.	T 25
W26	11 50 18	29°22'13	20°35	19°27	22°29	8°34	16°45	4°56	15° 9	5°49	15°48	25° 5	25°44	4°34	n.a.	W26
T 27	11 54 15	0♈20'23	2♉29	20°40	23°40	9°19	16°48	4°59	15°10	5°49	15°46	24°54	25°41	4°41	n.a.	T 27
F 28	11 58 12	1°18'31	14°18	21°48	24°51	10° 5	16°50	5° 1	15°11	5°48	15°45	24°46	25°38	4°47	n.a.	F 28
S 29	12 2 8	2°16'37	26° 7	22°52	26° 2	10°50	16°53	5° 3	15°13	5°48	15°43	24°41	25°34	4°54	n.a.	S 29
S 30	12 6 5	3°14'41	7♊58	23°50	27°13	11°35	16°55	5° 5	15°15	5°47	15°42	24°38	25°31	5° 1	n.a.	S 30
M31	12 10 1	4♈12'43	19♊56	24♈44	28♒24	12♓21	16♐57	5♋ 7	15♊16	5♐47	15♎40	24°D37	25♐28	5♉ 8	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s49	20n29	3n15	11s57	1s26	21s25	0n19	16s15	1s 6	22s34	0n17	23s34	0n 9	23n 6	0n13	20s17	1n18	7n59	15n44	23s44	23s43	16n12		n.a.
S 2	9 27	22 40	2 23	11 5	1 19	21 16	0 15	16 0	1 6	22 35	0 17	23 34	0 9	23 6	0 13	20 17	1 18	7 59	15 44	23 44	23 43	16 14		n.a.
M 3	9 5	23 52	1 24	10 12	1 11	21 8	0 11	15 45	1 6	22 36	0 17	23 34	0 9	23 6	0 13	20 17	1 18	8 0	15 44	23 44	23 43	16 16		n.a.
T 4	8 43	23 56	0 20	9 18	1 3	20 58	0 7	15 30	1 6	22 37	0 17	23 34	0 9	23 6	0 13	20 17	1 18	8 1	15 45	23 44	23 43	16 18		n.a.
W 5	8 20	22 49	0s47	8 22	0 54	20 48	0 3	15 14	1 6	22 38	0 17	23 33	0 9	23 6	0 13	20 17	1 18	8 1	15 45	23 44	23 43	16 20		n.a.
T 6	7 58	20 29	1 53	7 25	0 45	20 38	0s 1	14 59	1 6	22 39	0 17	23 33	0 8	23 6	0 13	20 17	1 18	8 2	15 45	23 44	23 43	16 22		n.a.
F 7	7 35	17 0	2 55	6 28	0 35	20 26	0 4	14 43	1 6	22 39	0 17	23 33	0 8	23 6	0 13	20 17	1 18	8 3	15 45	23 44	23 43	16 24		n.a.
S 8	7 13	12 29	3 48	5 29	0 25	20 15	0 8	14 27	1 6	22 40	0 17	23 33	0 8	23 6	0 13	20 17	1 18	8 4	15 46	23 44	23 43	16 26		n.a.
S 9	6 50	7 11	4 30	4 30	0 15	20 2	0 12	14 12	1 6	22 41	0 17	23 33	0 8	23 6	0 13	20 17	1 18	8 4	15 46	23 43	23 43	16 28		n.a.
M10	6 27	1 22	4 55	3 30	0 4	19 50	0 15	13 56	1 6	22 41	0 17	23 33	0 8	23 6	0 13	20 17	1 18	8 5	15 46	23 43	23 43	16 29		n.a.
T 11	6 4	4s36	5 0	2 31	0n 7	19 36	0 19	13 40	1 6	22 42	0 17	23 33	0 8	23 6	0 13	20 17	1 18	8 6	15 46	23 43	23 42	16 31		n.a.
W12	5 42	10 21	4 46	1 31	0 18	19 22	0 22	13 23	1 5	22 43	0 16	23 33	0 8	23 6	0 13	20 17	1 18	8 7	15 47	23 43	23 42	16 33		n.a.
T 13	5 19	15 29	4 12	0 32	0 30	19 8	0 26	13 7	1 5	22 43	0 16	23 33	0 8	23 6	0 13	20 17	1 18	8 7	15 47	23 42	23 42	16 35		n.a.
F 14	4 55	19 36	3 22	0n27	0 41	18 52	0 29	12 51	1 5	22 44	0 16	23 33	0 8	23 6	0 13	20 17	1 18	8 8	15 47	23 42	23 42	16 37		n.a.
S 15	4 32	22 27	2 20	1 25	0 53	18 37	0 32	12 34	1 5	22 45	0 16	23 33	0 8	23 6	0 13	20 17	1 19	8 9	15 47	23 42	23 42	16 39		n.a.
S 16	4 9	23 49	1 10	2 21	1 4	18 21	0 35	12 17	1 5	22 45	0 16	23 33	0 8	23 7	0 13	20 17	1 19	8 9	15 47	23 42	23 42	16 41		n.a.
M17	3 46	23 41	0n 2	3 17	1 15	18 4	0 39	12 1	1 5	22 46	0 16	23 33	0 8	23 7	0 13	20 17	1 19	8 10	15 48	23 42	23 42	16 42		n.a.
T 18	3 22	22 9	1 12	4 11	1 26	17 47	0 42	11 44	1 5	22 46	0 16	23 33	0 8	23 7	0 13	20 17	1 19	8 11	15 48	23 42	23 42	16 44		n.a.
W19	2 59	19 26	2 18	5 3	1 36	17 29	0 45	11 27	1 4	22 47	0 16	23 33	0 8	23 7	0 13	20 16	1 19	8 12	15 48	23 42	23 42	16 46		n.a.
T 20	2 36	15 47	3 14	5 53	1 46	17 11	0 48	11 10	1 4	22 47	0 16	23 33	0 7	23 7	0 13	20 16	1 19	8 12	15 48	23 42	23 42	16 48		n.a.
F 21	2 12	11 28	4 0	6 41	1 56	16 52	0 51	10 53	1 4	22 48	0 16	23 33	0 7	23 7	0 13	20 16	1 19	8 13	15 48	23 42	23 42	16 50		n.a.
S 22	1 49	6 44	4 34	7 27	2 5	16 33	0 53	10 36	1 4	22 48	0 16	23 33	0 7	23 7	0 13	20 16	1 19	8 14	15 49	23 41	23 41	16 52		n.a.
S 23	1 26	1 47	4 54	8 10	2 14	16 14	0 56	10 18	1 4	22 49	0 16	23 33	0 7	23 7	0 13	20 16	1 19	8 14	15 49	23 41	23 41	16 53		n.a.
M24	1 2	3n 9	5 0	8 51	2 21	15 54	0 59	10 1	1 3	22 49	0 16	23 33	0 7	23 8	0 13	20 16	1 19	8 15	15 49	23 41	23 41	16 55		n.a.
T 25	0 39	7 54	4 52	9 30	2 28	15 33	1 1	9 44	1 3	22 49	0 15	23 33	0 7	23 8	0 13	20 16	1 19	8 16	15 49	23 40	23 41	16 57		n.a.
W26	0 15	12 19	4 31	10 5	2 35	15 12	1 4	9 26	1 3	22 50	0 15	23 33	0 7	23 8	0 13	20 16	1 19	8 17	15 49	23 40	23 41	16 59		n.a.
T 27	0n 8	16 13	3 59	10 39	2 40	14 51	1 6	9 9	1 3	22 50	0 15	23 33	0 7	23 8	0 13	20 16	1 19	8 17	15 49	23 39	23 41	17 1		n.a.
F 28	0 32	19 27	3 16	11 9	2 45	14 29	1 9	8 51	1 2	22 50	0 15	23 33	0 7	23 8	0 13	20 16	1 19	8 18	15 49	23 39	23 41	17 2		n.a.
S 29	0 55	21 53	2 25	11 36	2 49	14 7	1 11	8 33	1 2	22 51	0 15	23 32	0 7	23 8	0 13	20 16	1 19	8 19	15 49	23 39	23 41	17 4		n.a.
S 30	1 18	23 21	1 27	12 1	2 51	13 45	1 13	8 16	1 2	22 51	0 15	23 32	0 7	23 9	0 13	20 15	1 19	8 19	15 49	23 39	23 41	17 6		n.a.
M31	1n42	23n47	0n25	12n23	2n53	13s22	1s16	7s58	1s 2	22s51	0n15	23s32	0n 7	23n 9	0n13	20s15	1n19	8n20	15n49	23s39	23s40	17n 8		n.a.

Julian Day Number = 1544701.5, Delta T = 04h35m08s
Ecliptic obliquity = 23°45'14, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'18, Lahiri = -10°38'17 Julian Calendar 1 March 484 BCE == Greg. Calendar 24 Feb. 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

APRIL 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 13 58	5♈10'43	2♋ 7	25♈33	29♒35	13♓ 6	16♐59	5♑ 9	15♊18	5°R46	15°R38	24°R37	25♐25	5♉14	n.a.	T 1
W 2	12 17 54	6° 8'41	14°36	26°16	0♓46	13°51	17° 0	5°11	15°20	5♐46	15♎37	24♐37	25°22	5°21	n.a.	W 2
T 3	12 21 51	7° 6'37	27°27	26°55	1°57	14°36	17° 2	5°13	15°22	5°45	15°35	24°35	25°19	5°28	n.a.	T 3
F 4	12 25 47	8° 4'31	10♌46	27°28	3° 8	15°21	17° 3	5°15	15°23	5°44	15°33	24°32	25°15	5°34	n.a.	F 4
S 5	12 29 44	9° 2'23	24°34	27°56	4°19	16° 6	17° 4	5°16	15°25	5°44	15°32	24°26	25°12	5°41	n.a.	S 5
S 6	12 33 41	10° 0'13	8♍51	28°19	5°30	16°51	17° 5	5°18	15°27	5°43	15°30	24°18	25° 9	5°48	n.a.	S 6
M 7	12 37 37	10°58'01	23°34	28°37	6°41	17°36	17° 6	5°19	15°29	5°42	15°28	24° 8	25° 6	5°54	n.a.	M 7
T 8	12 41 34	11°55'48	8♎36	28°49	7°53	18°21	17° 6	5°21	15°31	5°42	15°27	23°57	25° 3	6° 1	n.a.	T 8
W 9	12 45 30	12°53'33	23°47	28°57	9° 4	19° 6	17° 7	5°22	15°33	5°41	15°25	23°48	24°59	6° 8	n.a.	W 9
T 10	12 49 27	13°51'17	8♏58	28°R59	10°15	19°50	17°R 7	5°23	15°35	5°40	15°23	23°40	24°56	6°14	n.a.	T 10
F 11	12 53 23	14°48'59	23°57	28°57	11°27	20°35	17° 7	5°24	15°37	5°39	15°22	23°35	24°53	6°21	n.a.	F 11
S 12	12 57 20	15°46'40	8♐38	28°50	12°38	21°20	17° 6	5°25	15°40	5°38	15°20	23°32	24°50	6°28	n.a.	S 12
S 13	13 1 16	16°44'20	22°55	28°38	13°49	22° 4	17° 6	5°26	15°42	5°37	15°18	23°D31	24°47	6°35	n.a.	S 13
M14	13 5 13	17°41'59	6♑49	28°22	15° 1	22°49	17° 5	5°27	15°44	5°36	15°17	23°31	24°44	6°41	n.a.	M14
T 15	13 9 10	18°39'37	20°18	28° 2	16°12	23°33	17° 5	5°27	15°46	5°35	15°15	23°R32	24°40	6°48	n.a.	T 15
W16	13 13 6	19°37'13	3♒27	27°39	17°24	24°18	17° 4	5°28	15°49	5°35	15°13	23°31	24°37	6°55	n.a.	W16
T 17	13 17 3	20°34'49	16°17	27°12	18°36	25° 2	17° 2	5°28	15°51	5°34	15°12	23°28	24°34	7° 1	n.a.	T 17
F 18	13 20 59	21°32'23	28°52	26°43	19°47	25°47	17° 1	5°29	15°54	5°32	15°10	23°22	24°31	7° 8	n.a.	F 18
S 19	13 24 56	22°29'56	11♓14	26°12	20°59	26°31	16°59	5°29	15°56	5°31	15° 8	23°15	24°28	7°15	n.a.	S 19
S 20	13 28 52	23°27'28	23°27	25°39	22°10	27°15	16°58	5°29	15°59	5°30	15° 7	23° 5	24°25	7°21	n.a.	S 20
M21	13 32 49	24°24'59	5♈32	25° 5	23°22	27°59	16°56	5°R29	16° 1	5°29	15° 5	22°54	24°21	7°28	n.a.	M21
T 22	13 36 45	25°22'29	17°30	24°31	24°34	28°43	16°54	5°29	16° 4	5°28	15° 3	22°43	24°18	7°35	n.a.	T 22
W23	13 40 42	26°19'58	29°23	23°56	25°46	29°27	16°51	5°29	16° 6	5°27	15° 2	22°33	24°15	7°41	n.a.	W23
T 24	13 44 38	27°17'26	11♉13	23°23	26°57	0♈12	16°49	5°29	16° 9	5°26	15° 0	22°25	24°12	7°48	n.a.	T 24
F 25	13 48 35	28°14'52	23° 2	22°51	28° 9	0°55	16°46	5°28	16°12	5°25	14°58	22°18	24° 9	7°55	n.a.	F 25
S 26	13 52 32	29°12'17	4♊51	22°21	29°21	1°39	16°43	5°28	16°14	5°23	14°57	22°15	24° 5	8° 1	n.a.	S 26
S 27	13 56 28	0♉ 9'41	16°45	21°53	0♈33	2°23	16°40	5°27	16°17	5°22	14°55	22°D13	24° 2	8° 8	n.a.	S 27
M28	14 0 25	1° 7'04	28°45	21°28	1°45	3° 7	16°37	5°27	16°20	5°21	14°54	22°13	23°59	8°15	n.a.	M28
T 29	14 4 21	2° 4'26	10♋57	21° 7	2°56	3°51	16°34	5°26	16°23	5°20	14°52	22°14	23°56	8°22	n.a.	T 29
W30	14 8 18	3♉ 1'46	23♋26	20♈48	4♈ 8	4♈34	16♐30	5♑25	16♊26	5♐18	14♎50	22♐15	23♐53	8♉28	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n 5	23n 4	0s40	12n42	2n54	12s59	1s18	7s40	1s 1	22s52	0n15	23s32	0n 7	23n 9	0n13	20s15	1n19	8n21	15n49	23s39	23s40	17n 9		n.a.
W 2	2 28	21 13	1 44	12 58	2 54	12 35	1 20	7 22	1 1	22 52	0 15	23 32	0 7	23 9	0 13	20 15	1 19	8 21	15 50	23 39	23 40	17 11		n.a.
T 3	2 51	18 15	2 45	13 11	2 53	12 11	1 22	7 4	1 1	22 52	0 15	23 32	0 7	23 9	0 13	20 15	1 19	8 22	15 50	23 38	23 40	17 13		n.a.
F 4	3 15	14 15	3 39	13 21	2 50	11 47	1 23	6 47	1 1	22 52	0 15	23 32	0 6	23 9	0 13	20 15	1 19	8 23	15 50	23 38	23 40	17 15		n.a.
S 5	3 38	9 23	4 22	13 28	2 47	11 22	1 25	6 29	1 0	22 53	0 14	23 32	0 6	23 10	0 13	20 15	1 19	8 23	15 50	23 38	23 40	17 16		n.a.
S 6	4 1	3 52	4 51	13 32	2 42	10 57	1 27	6 11	1 0	22 53	0 14	23 32	0 6	23 10	0 13	20 15	1 19	8 24	15 50	23 38	23 40	17 18		n.a.
M 7	4 24	2s 1	5 2	13 33	2 36	10 32	1 28	5 53	1 0	22 53	0 14	23 32	0 6	23 10	0 13	20 14	1 19	8 25	15 50	23 37	23 40	17 20		n.a.
T 8	4 47	7 55	4 52	13 31	2 29	10 7	1 30	5 35	0 59	22 53	0 14	23 33	0 6	23 10	0 13	20 14	1 19	8 25	15 50	23 37	23 40	17 22		n.a.
W 9	5 9	13 24	4 22	13 26	2 21	9 41	1 31	5 17	0 59	22 53	0 14	23 33	0 6	23 11	0 13	20 14	1 19	8 26	15 50	23 36	23 39	17 23		n.a.
T 10	5 32	18 2	3 33	13 19	2 12	9 15	1 33	4 58	0 59	22 53	0 14	23 33	0 6	23 11	0 13	20 14	1 19	8 26	15 50	23 36	23 39	17 25		n.a.
F 11	5 55	21 26	2 30	13 8	2 2	8 49	1 34	4 40	0 59	22 53	0 14	23 33	0 6	23 11	0 13	20 14	1 19	8 27	15 50	23 36	23 39	17 27		n.a.
S 12	6 17	23 19	1 18	12 55	1 50	8 22	1 35	4 22	0 58	22 53	0 14	23 33	0 6	23 11	0 13	20 14	1 19	8 28	15 49	23 36	23 39	17 29		n.a.
S 13	6 40	23 37	0 3	12 39	1 38	7 55	1 36	4 4	0 58	22 53	0 14	23 33	0 6	23 11	0 13	20 13	1 19	8 28	15 49	23 36	23 39	17 30		n.a.
M14	7 2	22 24	1n10	12 21	1 24	7 28	1 37	3 46	0 57	22 54	0 14	23 33	0 6	23 12	0 13	20 13	1 19	8 29	15 49	23 36	23 39	17 32		n.a.
T 15	7 24	19 56	2 18	12 0	1 10	7 1	1 38	3 28	0 57	22 54	0 13	23 33	0 6	23 12	0 13	20 13	1 19	8 29	15 49	23 36	23 39	17 34		n.a.
W16	7 46	16 28	3 16	11 37	0 55	6 34	1 39	3 10	0 57	22 54	0 13	23 33	0 6	23 12	0 13	20 13	1 19	8 30	15 49	23 36	23 39	17 35		n.a.
T 17	8 8	12 18	4 3	11 13	0 39	6 6	1 40	2 51	0 56	22 54	0 13	23 33	0 5	23 12	0 13	20 13	1 19	8 30	15 49	23 35	23 38	17 37		n.a.
F 18	8 30	7 42	4 37	10 47	0 23	5 38	1 41	2 33	0 56	22 54	0 13	23 33	0 5	23 13	0 13	20 12	1 20	8 31	15 49	23 35	23 38	17 39		n.a.
S 19	8 52	2 52	4 57	10 20	0 6	5 10	1 41	2 15	0 56	22 53	0 13	23 33	0 5	23 13	0 13	20 12	1 20	8 31	15 49	23 35	23 38	17 40		n.a.
S 20	9 14	2n 0	5 4	9 52	0s11	4 42	1 42	1 57	0 55	22 53	0 13	23 33	0 5	23 13	0 13	20 12	1 20	8 32	15 49	23 34	23 38	17 42		n.a.
M21	9 35	6 45	4 57	9 24	0 28	4 14	1 42	1 39	0 55	22 53	0 13	23 33	0 5	23 14	0 13	20 12	1 20	8 32	15 49	23 34	23 38	17 44		n.a.
T 22	9 56	11 12	4 36	8 55	0 45	3 45	1 43	1 21	0 55	22 53	0 13	23 33	0 5	23 14	0 13	20 11	1 20	8 33	15 48	23 33	23 38	17 45		n.a.
W23	10 18	15 12	4 4	8 26	1 2	3 17	1 43	1 3	0 54	22 53	0 13	23 33	0 5	23 14	0 13	20 11	1 20	8 33	15 48	23 32	23 38	17 47		n.a.
T 24	10 39	18 35	3 22	7 59	1 19	2 48	1 43	0 45	0 54	22 53	0 13	23 33	0 5	23 14	0 13	20 11	1 20	8 34	15 48	23 32	23 37	17 49		n.a.
F 25	10 59	21 11	2 30	7 32	1 35	2 19	1 43	0 27	0 53	22 53	0 12	23 33	0 5	23 15	0 13	20 11	1 20	8 34	15 48	23 32	23 37	17 50		n.a.
S 26	11 20	22 54	1 32	7 6	1 51	1 50	1 43	0 8	0 53	22 53	0 12	23 34	0 5	23 15	0 13	20 11	1 20	8 35	15 48	23 31	23 37	17 52		n.a.
S 27	11 41	23 34	0 29	6 42	2 5	1 22	1 43	0n10	0 53	22 52	0 12	23 34	0 5	23 15	0 13	20 10	1 20	8 35	15 48	23 31	23 37	17 54		n.a.
M28	12 1	23 10	0s35	6 20	2 19	0 53	1 43	0 28	0 52	22 52	0 12	23 34	0 5	23 16	0 13	20 10	1 20	8 36	15 47	23 31	23 37	17 55		n.a.
T 29	12 21	21 39	1 39	6 0	2 32	0 23	1 43	0 46	0 52	22 52	0 12	23 34	0 5	23 16	0 13	20 10	1 20	8 36	15 47	23 31	23 37	17 57		n.a.
W30	12n41	19n 3	2s40	5n42	2s44	0n 6	1s43	1n 3	0s51	22s52	0n12	23s34	0n 4	23n16	0n13	20s10	1n20	8n36	15n47	23s31	23s37	17n59		n.a.

Julian Day Number = 1544732.5, Delta T = 04h35m07s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'13, Lahiri = -10°38'13 Julian Calendar 1 Apr. 484 BCE == Greg. Calendar 27 March 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

MAY 484 BCE (-483) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 12 14	3♉59'05	6♌15	20°R34	5♈20	5♈18	16°R27	5°R24	16♊29	5°R17	14°R49	22°R15	23♐50	8♉35	n.a.	T 1
F 2	14 16 11	4°56'23	19°29	20♈24	6°32	6° 1	16♐23	5♑23	16°31	5♐16	14♎47	22♐14	23°46	8°42	n.a.	F 2
S 3	14 20 7	5°53'39	3♍10	20°18	7°44	6°45	16°19	5°22	16°34	5°14	14°46	22°11	23°43	8°48	n.a.	S 3
S 4	14 24 4	6°50'55	17°21	20°D16	8°56	7°28	16°14	5°21	16°37	5°13	14°44	22° 7	23°40	8°55	n.a.	S 4
M 5	14 28 1	7°48'09	1♎58	20°18	10° 8	8°12	16°10	5°20	16°40	5°12	14°43	22° 1	23°37	9° 2	n.a.	M 5
T 6	14 31 57	8°45'22	16°58	20°26	11°20	8°55	16° 5	5°18	16°43	5°10	14°41	21°55	23°34	9° 8	n.a.	T 6
W 7	14 35 54	9°42'35	2♏11	20°37	12°32	9°38	16° 1	5°17	16°46	5° 9	14°40	21°49	23°30	9°15	n.a.	W 7
T 8	14 39 50	10°39'47	17°27	20°54	13°44	10°21	15°56	5°15	16°50	5° 7	14°38	21°44	23°27	9°22	n.a.	T 8
F 9	14 43 47	11°36'58	2♐36	21°14	14°57	11° 5	15°51	5°14	16°53	5° 6	14°37	21°41	23°24	9°28	n.a.	F 9
S 10	14 47 43	12°34'09	17°29	21°39	16° 9	11°48	15°46	5°12	16°56	5° 5	14°35	21°D40	23°21	9°35	n.a.	S 10
S 11	14 51 40	13°31'19	1♑59	22° 9	17°21	12°31	15°41	5°10	16°59	5° 3	14°34	21°40	23°18	9°42	n.a.	S 11
M12	14 55 37	14°28'29	16° 3	22°43	18°33	13°14	15°35	5° 8	17° 2	5° 2	14°33	21°41	23°15	9°48	n.a.	M12
T 13	14 59 33	15°25'39	29°41	23°21	19°45	13°56	15°30	5° 6	17° 5	5° 0	14°31	21°42	23°11	9°55	n.a.	T 13
W14	15 3 30	16°22'48	12♒53	24° 3	20°58	14°39	15°24	5° 4	17° 9	4°59	14°30	21°R43	23° 8	10° 2	n.a.	W14
T 15	15 7 26	17°19'57	25°44	24°50	22°10	15°22	15°18	5° 2	17°12	4°57	14°29	21°43	23° 5	10° 8	n.a.	T 15
F 16	15 11 23	18°17'06	8♓15	25°40	23°22	16° 5	15°12	4°59	17°15	4°56	14°27	21°41	23° 2	10°15	n.a.	F 16
S 17	15 15 19	19°14'14	20°32	26°34	24°35	16°47	15° 6	4°57	17°18	4°54	14°26	21°38	22°59	10°22	n.a.	S 17
S 18	15 19 16	20°11'23	2♈37	27°32	25°47	17°30	15° 0	4°55	17°22	4°53	14°25	21°34	22°56	10°29	n.a.	S 18
M19	15 23 12	21° 8'31	14°35	28°34	27° 0	18°13	14°53	4°52	17°25	4°51	14°23	21°29	22°52	10°35	n.a.	M19
T 20	15 27 9	22° 5'39	26°27	29°40	28°12	18°55	14°47	4°50	17°28	4°49	14°22	21°24	22°49	10°42	n.a.	T 20
W21	15 31 6	23° 2'47	8♉17	0♉49	29°24	19°37	14°40	4°47	17°32	4°48	14°21	21°19	22°46	10°49	n.a.	W21
T 22	15 35 2	23°59'55	20° 6	2° 2	0♉37	20°20	14°34	4°44	17°35	4°46	14°20	21°15	22°43	10°55	n.a.	T 22
F 23	15 38 59	24°57'02	1♊57	3°19	1°49	21° 2	14°27	4°41	17°39	4°45	14°19	21°12	22°40	11° 2	n.a.	F 23
S 24	15 42 55	25°54'10	13°51	4°39	3° 2	21°44	14°20	4°38	17°42	4°43	14°17	21°11	22°36	11° 9	n.a.	S 24
S 25	15 46 52	26°51'17	25°51	6° 2	4°15	22°27	14°13	4°35	17°46	4°42	14°16	21°D11	22°33	11°15	n.a.	S 25
M26	15 50 48	27°48'24	8♋ 0	7°29	5°27	23° 9	14° 6	4°32	17°49	4°40	14°15	21°12	22°30	11°22	n.a.	M26
T 27	15 54 45	28°45'30	20°20	9° 0	6°40	23°51	13°59	4°29	17°53	4°38	14°14	21°13	22°27	11°29	n.a.	T 27
W28	15 58 41	29°42'37	2♌54	10°33	7°52	24°33	13°52	4°26	17°56	4°37	14°13	21°15	22°24	11°35	n.a.	W28
T 29	16 2 38	0♊39'43	15°46	12°10	9° 5	25°15	13°44	4°23	18° 0	4°35	14°12	21°16	22°21	11°42	n.a.	T 29
F 30	16 6 35	1°36'48	28°59	13°51	10°18	25°56	13°37	4°20	18° 3	4°33	14°11	21°R16	22°17	11°49	n.a.	F 30
S 31	16 10 31	2♊33'54	12♍35	15♉34	11♉30	26♈38	13♐30	4♑16	18♊ 7	4♐32	14♎10	21♐16	22♐14	11♉55	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	13n 1	15n29	3s35	5n26	2s55	0n35	1s43	1n21	0s51	22s52	0n12	23s34	0n 4	23n16	0n13	20s 9	1n20	8n37	15n47	23s31	23s36	18n 0			n.a.
F 2	13 20	11 3	4 20	5 13	3 5	1 4	1 42	1 39	0 50	22 51	0 12	23 34	0 4	23 17	0 13	20 9	1 20	8 37	15 46	23 31	23 36	18 2			n.a.
S 3	13 40	5 56	4 52	5 3	3 13	1 33	1 42	1 57	0 50	22 51	0 11	23 34	0 4	23 17	0 13	20 9	1 20	8 38	15 46	23 31	23 36	18 4			n.a.
S 4	13 59	0 21	5 8	4 55	3 21	2 2	1 41	2 15	0 49	22 51	0 11	23 35	0 4	23 17	0 13	20 9	1 20	8 38	15 46	23 31	23 36	18 5			n.a.
M 5	14 18	5s26	5 4	4 50	3 27	2 31	1 41	2 33	0 49	22 50	0 11	23 35	0 4	23 18	0 13	20 8	1 20	8 38	15 46	23 31	23 36	18 7			n.a.
T 6	14 36	11 3	4 40	4 48	3 33	3 1	1 40	2 50	0 49	22 50	0 11	23 35	0 4	23 18	0 13	20 8	1 20	8 39	15 45	23 30	23 36	18 8			n.a.
W 7	14 55	16 4	3 56	4 49	3 37	3 30	1 39	3 8	0 48	22 50	0 11	23 35	0 4	23 18	0 13	20 8	1 20	8 39	15 45	23 30	23 36	18 10			n.a.
T 8	15 13	20 3	2 55	4 52	3 40	3 59	1 39	3 25	0 48	22 49	0 11	23 35	0 4	23 19	0 13	20 8	1 20	8 39	15 45	23 30	23 35	18 12			n.a.
F 9	15 31	22 37	1 42	4 58	3 42	4 28	1 38	3 43	0 47	22 49	0 11	23 35	0 4	23 19	0 13	20 7	1 20	8 39	15 45	23 29	23 35	18 13			n.a.
S 10	15 49	23 32	0 23	5 7	3 43	4 57	1 37	4 0	0 47	22 48	0 11	23 35	0 4	23 19	0 13	20 7	1 20	8 40	15 44	23 29	23 35	18 15			n.a.
S 11	16 6	22 48	0n56	5 18	3 43	5 26	1 36	4 18	0 46	22 48	0 10	23 36	0 4	23 19	0 13	20 7	1 20	8 40	15 44	23 29	23 35	18 16			n.a.
M12	16 23	20 38	2 9	5 31	3 42	5 54	1 35	4 35	0 46	22 47	0 10	23 36	0 3	23 20	0 13	20 6	1 20	8 40	15 44	23 29	23 35	18 18			n.a.
T 13	16 40	17 21	3 12	5 47	3 40	6 23	1 34	4 53	0 45	22 47	0 10	23 36	0 3	23 20	0 13	20 6	1 20	8 40	15 43	23 29	23 35	18 19			n.a.
W14	16 57	13 16	4 3	6 5	3 37	6 52	1 32	5 10	0 45	22 46	0 10	23 36	0 3	23 20	0 13	20 6	1 20	8 41	15 43	23 29	23 34	18 21			n.a.
T 15	17 14	8 43	4 41	6 26	3 34	7 20	1 31	5 27	0 44	22 46	0 10	23 36	0 3	23 21	0 13	20 6	1 20	8 41	15 43	23 29	23 34	18 22			n.a.
F 16	17 30	3 54	5 4	6 48	3 29	7 48	1 30	5 44	0 44	22 45	0 10	23 36	0 3	23 21	0 13	20 5	1 20	8 41	15 42	23 29	23 34	18 24			n.a.
S 17	17 46	0n58	5 12	7 12	3 24	8 17	1 28	6 1	0 43	22 45	0 10	23 37	0 3	23 21	0 13	20 5	1 20	8 41	15 42	23 29	23 34	18 26			n.a.
S 18	18 1	5 44	5 6	7 39	3 19	8 45	1 27	6 18	0 43	22 44	0 9	23 37	0 3	23 22	0 13	20 5	1 20	8 41	15 41	23 29	23 34	18 27			n.a.
M19	18 17	10 13	4 47	8 7	3 12	9 12	1 26	6 35	0 42	22 44	0 9	23 37	0 3	23 22	0 13	20 4	1 20	8 41	15 41	23 29	23 34	18 29			n.a.
T 20	18 32	14 18	4 16	8 37	3 5	9 40	1 24	6 52	0 42	22 43	0 9	23 37	0 3	23 22	0 13	20 4	1 20	8 41	15 41	23 28	23 33	18 30			n.a.
W21	18 47	17 49	3 34	9 9	2 57	10 7	1 22	7 9	0 41	22 43	0 9	23 37	0 3	23 23	0 13	20 4	1 20	8 42	15 40	23 28	23 33	18 32			n.a.
T 22	19 1	20 36	2 42	9 42	2 49	10 35	1 21	7 25	0 40	22 42	0 9	23 37	0 3	23 23	0 13	20 4	1 20	8 42	15 40	23 28	23 33	18 33			n.a.
F 23	19 15	22 31	1 44	10 17	2 40	11 2	1 19	7 42	0 40	22 41	0 9	23 38	0 3	23 23	0 13	20 3	1 20	8 42	15 40	23 27	23 33	18 35			n.a.
S 24	19 29	23 26	0 40	10 53	2 31	11 28	1 17	7 58	0 39	22 41	0 9	23 38	0 2	23 24	0 13	20 3	1 20	8 42	15 39	23 27	23 33	18 36			n.a.
S 25	19 43	23 16	0s26	11 30	2 21	11 55	1 16	8 15	0 39	22 40	0 8	23 38	0 2	23 24	0 13	20 3	1 20	8 42	15 39	23 27	23 32	18 38			n.a.
M26	19 56	21 59	1 31	12 8	2 10	12 21	1 14	8 31	0 38	22 39	0 8	23 38	0 2	23 24	0 13	20 2	1 20	8 42	15 38	23 27	23 32	18 39			n.a.
T 27	20 9	19 39	2 34	12 47	2 0	12 47	1 12	8 47	0 38	22 39	0 8	23 38	0 2	23 25	0 13	20 2	1 20	8 42	15 38	23 27	23 32	18 41			n.a.
W28	20 21	16 21	3 30	13 28	1 49	13 13	1 10	9 3	0 37	22 38	0 8	23 39	0 2	23 25	0 13	20 2	1 20	8 42	15 37	23 28	23 32	18 42			n.a.
T 29	20 33	12 13	4 17	14 9	1 38	13 38	1 8	9 19	0 37	22 37	0 8	23 39	0 2	23 25	0 13	20 2	1 20	8 42	15 37	23 28	23 32	18 44			n.a.
F 30	20 45	7 25	4 52	14 50	1 26	14 3	1 6	9 35	0 36	22 36	0 8	23 39	0 2	23 26	0 13	20 1	1 20	8 42	15 37	23 28	23 32	18 45			n.a.
S 31	20n57	2n 7	5s12	15n32	1s14	14n28	1s 4	9n51	0s35	22s36	0n 8	23s39	0n 2	23n26	0n13	20s 1	1n20	8n42	15n36	23s28	23s31	18n47			n.a.

Julian Day Number = 1544762.5, Delta T = 04h35m06s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'09, Lahiri = -10°38'09 Julian Calendar 1 May 484 BCE == Greg. Calendar 26 Apr. 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

JUNE 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 14 28	3♊30'59	26♍36	17♉21	12♉43	27♈20	13°R22	4°R13	18♊10	4°R30	14°R 9	21°R15	22♐11	12♉ 2	n.a.	S 1
M 2	16 18 24	4°28'04	11♎ 0	19°10	13°56	28° 2	13♐15	4♋ 9	18°14	4♐29	14♎ 8	21♐13	22° 8	12° 9	n.a.	M 2
T 3	16 22 21	5°25'08	25°44	21° 3	15° 9	28°43	13° 7	4° 6	18°17	4°27	14° 7	21°12	22° 5	12°15	n.a.	T 3
W 4	16 26 17	6°22'13	10♏44	22°58	16°22	29°25	12°59	4° 2	18°21	4°25	14° 7	21°10	22° 2	12°22	n.a.	W 4
T 5	16 30 14	7°19'18	25°50	24°55	17°34	0♉ 6	12°52	3°58	18°25	4°24	14° 6	21° 8	21°58	12°29	n.a.	T 5
F 6	16 34 10	8°16'24	10♐54	26°55	18°47	0°47	12°44	3°55	18°28	4°22	14° 5	21° 8	21°55	12°35	n.a.	F 6
S 7	16 38 7	9°13'29	25°48	28°57	20° 0	1°29	12°37	3°51	18°32	4°21	14° 4	21°D 7	21°52	12°42	n.a.	S 7
S 8	16 42 4	10°10'35	10♋22	1♊ 1	21°13	2°10	12°29	3°47	18°35	4°19	14° 3	21° 8	21°49	12°49	n.a.	S 8
M 9	16 46 0	11° 7'42	24°33	3° 6	22°26	2°51	12°21	3°43	18°39	4°17	14° 3	21° 9	21°46	12°55	n.a.	M 9
T 10	16 49 57	12° 4'48	8♒19	5°13	23°39	3°32	12°13	3°39	18°43	4°16	14° 2	21° 9	21°42	13° 2	n.a.	T 10
W11	16 53 53	13° 1'56	21°38	7°20	24°52	4°13	12° 6	3°35	18°46	4°14	14° 1	21°10	21°39	13° 9	n.a.	W11
T 12	16 57 50	13°59'04	4♓32	9°29	26° 5	4°55	11°58	3°31	18°50	4°13	14° 1	21°11	21°36	13°15	n.a.	T 12
F 13	17 1 46	14°56'13	17° 6	11°37	27°18	5°35	11°50	3°27	18°54	4°11	14° 0	21°R11	21°33	13°22	n.a.	F 13
S 14	17 5 43	15°53'23	29°22	13°46	28°31	6°16	11°43	3°23	18°57	4° 9	14° 0	21°10	21°30	13°29	n.a.	S 14
S 15	17 9 40	16°50'33	11♈25	15°54	29°45	6°57	11°35	3°19	19° 1	4° 8	13°59	21°10	21°27	13°36	n.a.	S 15
M16	17 13 36	17°47'45	23°20	18° 2	0♊58	7°38	11°27	3°15	19° 4	4° 6	13°59	21°10	21°23	13°42	n.a.	M16
T 17	17 17 33	18°44'57	5♉10	20° 9	2°11	8°19	11°20	3°10	19° 8	4° 5	13°58	21° 9	21°20	13°49	n.a.	T 17
W18	17 21 29	19°42'10	16°59	22°16	3°24	8°59	11°12	3° 6	19°12	4° 3	13°58	21° 9	21°17	13°56	n.a.	W18
T 19	17 25 26	20°39'24	28°50	24°21	4°38	9°40	11° 4	3° 2	19°15	4° 2	13°57	21° 9	21°14	14° 2	n.a.	T 19
F 20	17 29 22	21°36'39	10♊46	26°25	5°51	10°20	10°57	2°57	19°19	4° 0	13°57	21°D 9	21°11	14° 9	n.a.	F 20
S 21	17 33 19	22°33'54	22°49	28°28	7° 4	11° 1	10°50	2°53	19°23	3°59	13°57	21°R 9	21° 8	14°16	n.a.	S 21
S 22	17 37 15	23°31'10	5♋ 1	0♋30	8°18	11°41	10°42	2°49	19°26	3°57	13°56	21° 9	21° 4	14°22	n.a.	S 22
M23	17 41 12	24°28'28	17°24	2°30	9°31	12°21	10°35	2°44	19°30	3°56	13°56	21° 9	21° 1	14°29	n.a.	M23
T 24	17 45 9	25°25'45	29°59	4°28	10°44	13° 2	10°28	2°40	19°34	3°54	13°56	21° 8	20°58	14°36	n.a.	T 24
W25	17 49 5	26°23'04	12♌48	6°25	11°58	13°42	10°20	2°36	19°37	3°53	13°56	21° 8	20°55	14°42	n.a.	W25
T 26	17 53 2	27°20'23	25°51	8°21	13°11	14°22	10°13	2°31	19°41	3°51	13°55	21° 7	20°52	14°49	n.a.	T 26
F 27	17 56 58	28°17'42	9♍11	10°14	14°25	15° 2	10° 6	2°27	19°45	3°50	13°55	21° 7	20°48	14°56	n.a.	F 27
S 28	18 0 55	29°15'03	22°48	12° 6	15°38	15°42	9°59	2°22	19°48	3°48	13°55	21°D 6	20°45	15° 2	n.a.	S 28
S 29	18 4 51	0♋12'24	6♎42	13°57	16°52	16°22	9°53	2°18	19°52	3°47	13°55	21° 6	20°42	15° 9	n.a.	S 29
M30	18 8 48	1♋ 9'46	20♎53	15♋46	18♊ 6	17♉ 1	9♐46	2♋13	19♊55	3♐46	13°D55	21♐ 7	20♐39	15♉16	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 8	3s26	5s15	16n14	1s 3	14n53	1s 2	10n 7	0s35	22s35	0n 7	23s39	0n 2	23n26	0n13	20s 1	1n20	8n42	15n36	23s28	23s31	18n48		n.a.
M 2	21 19	8 57	4 57	16 56	0 51	15 17	1 0	10 23	0 34	22 34	0 7	23 40	0 2	23 27	0 13	20 0	1 20	8 42	15 35	23 28	23 31	18 50		n.a.
T 3	21 29	14 6	4 21	17 38	0 39	15 40	0 58	10 38	0 34	22 33	0 7	23 40	0 2	23 27	0 13	20 0	1 20	8 42	15 35	23 27	23 31	18 51		n.a.
W 4	21 39	18 29	3 25	18 19	0 27	16 4	0 55	10 54	0 33	22 32	0 7	23 40	0 1	23 27	0 13	20 0	1 20	8 41	15 34	23 27	23 31	18 53		n.a.
T 5	21 49	21 40	2 16	19 0	0 15	16 27	0 53	11 9	0 32	22 32	0 7	23 40	0 1	23 28	0 13	20 0	1 20	8 41	15 34	23 27	23 30	18 54		n.a.
F 6	21 58	23 18	0 56	19 40	0 4	16 49	0 51	11 24	0 32	22 31	0 7	23 40	0 1	23 28	0 13	19 59	1 20	8 41	15 33	23 27	23 30	18 55		n.a.
S 7	22 7	23 15	0n26	20 18	0n 7	17 12	0 49	11 39	0 31	22 30	0 7	23 41	0 1	23 28	0 13	19 59	1 20	8 41	15 33	23 27	23 30	18 57		n.a.
S 8	22 16	21 36	1 45	20 56	0 18	17 33	0 46	11 54	0 31	22 29	0 6	23 41	0 1	23 29	0 13	19 59	1 20	8 41	15 32	23 27	23 30	18 58		n.a.
M 9	22 24	18 37	2 55	21 31	0 29	17 55	0 44	12 9	0 30	22 28	0 6	23 41	0 1	23 29	0 13	19 58	1 20	8 41	15 32	23 27	23 30	19 0		n.a.
T 10	22 32	14 41	3 53	22 5	0 39	18 16	0 42	12 24	0 29	22 27	0 6	23 41	0 1	23 29	0 13	19 58	1 20	8 40	15 31	23 27	23 29	19 1		n.a.
W11	22 40	10 7	4 36	22 37	0 48	18 36	0 39	12 39	0 29	22 26	0 6	23 41	0 1	23 30	0 13	19 58	1 20	8 40	15 31	23 27	23 29	19 3		n.a.
T 12	22 47	5 15	5 4	23 6	0 57	18 56	0 37	12 53	0 28	22 26	0 6	23 42	0 1	23 30	0 13	19 58	1 20	8 40	15 30	23 27	23 29	19 4		n.a.
F 13	22 53	0 19	5 17	23 33	1 6	19 15	0 35	13 8	0 28	22 25	0 6	23 42	0 1	23 30	0 13	19 57	1 20	8 40	15 30	23 27	23 29	19 5		n.a.
S 14	23 0	4n32	5 14	23 58	1 13	19 34	0 32	13 22	0 27	22 24	0 5	23 42	0 1	23 30	0 13	19 57	1 20	8 39	15 29	23 27	23 29	19 7		n.a.
S 15	23 6	9 8	4 58	24 19	1 20	19 53	0 30	13 36	0 26	22 23	0 5	23 42	0 0	23 31	0 13	19 57	1 20	8 39	15 29	23 27	23 28	19 8		n.a.
M16	23 11	13 20	4 29	24 38	1 26	20 11	0 27	13 50	0 26	22 22	0 5	23 42	0 0	23 31	0 13	19 56	1 20	8 39	15 28	23 27	23 28	19 10		n.a.
T 17	23 16	17 0	3 49	24 55	1 32	20 28	0 25	14 4	0 25	22 21	0 5	23 43	0 0	23 31	0 13	19 56	1 20	8 39	15 28	23 27	23 28	19 11		n.a.
W18	23 21	19 59	2 59	25 8	1 37	20 45	0 22	14 18	0 24	22 20	0 5	23 43	0 0	23 32	0 13	19 56	1 20	8 38	15 27	23 27	23 28	19 12		n.a.
T 19	23 25	22 7	2 1	25 19	1 41	21 1	0 20	14 32	0 24	22 19	0 5	23 43	0 0	23 32	0 13	19 56	1 20	8 38	15 26	23 27	23 28	19 14		n.a.
F 20	23 29	23 18	0 57	25 26	1 44	21 17	0 17	14 45	0 23	22 18	0 4	23 43	0 0	23 32	0 13	19 55	1 20	8 37	15 26	23 27	23 27	19 15		n.a.
S 21	23 32	23 24	0s 9	25 31	1 47	21 32	0 15	14 58	0 22	22 17	0 4	23 43	0s 0	23 33	0 13	19 55	1 20	8 37	15 25	23 27	23 27	19 16		n.a.
S 22	23 36	22 23	1 16	25 34	1 49	21 46	0 12	15 12	0 22	22 17	0 4	23 44	0 0	23 33	0 13	19 55	1 19	8 37	15 25	23 27	23 27	19 18		n.a.
M23	23 38	20 17	2 21	25 34	1 50	22 0	0 10	15 25	0 21	22 16	0 4	23 44	0 0	23 33	0 13	19 55	1 19	8 36	15 24	23 27	23 27	19 19		n.a.
T 24	23 40	17 10	3 19	25 31	1 51	22 14	0 7	15 38	0 20	22 15	0 4	23 44	0 0	23 34	0 13	19 54	1 19	8 36	15 24	23 27	23 26	19 20		n.a.
W25	23 42	13 13	4 9	25 26	1 51	22 26	0 5	15 51	0 20	22 14	0 4	23 44	0 0	23 34	0 13	19 54	1 19	8 35	15 23	23 27	23 26	19 22		n.a.
T 26	23 44	8 34	4 47	25 19	1 50	22 38	0 2	16 3	0 19	22 13	0 3	23 44	0 1	23 34	0 13	19 54	1 19	8 35	15 23	23 27	23 26	19 23		n.a.
F 27	23 45	3 27	5 10	25 10	1 49	22 50	0n 0	16 16	0 18	22 12	0 3	23 44	0 1	23 34	0 13	19 54	1 19	8 35	15 22	23 27	23 26	19 25		n.a.
S 28	23 45	1s57	5 17	24 58	1 47	23 1	0 3	16 28	0 18	22 11	0 3	23 45	0 1	23 35	0 13	19 53	1 19	8 34	15 21	23 27	23 26	19 26		n.a.
S 29	23 45	7 21	5 6	24 45	1 45	23 11	0 5	16 41	0 17	22 10	0 3	23 45	0 1	23 35	0 13	19 53	1 19	8 34	15 21	23 27	23 25	19 27		n.a.
M30	23n45	12s30	4s35	24n30	1n42	23n20	0n 7	16n53	0s16	22s10	0n 3	23s45	0s 1	23n35	0n13	19s53	1n19	8n33	15n20	23s27	23s25	19n28		n.a.

Julian Day Number = 1544793.5, Delta T = 04h35m05s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'05, Lahiri = -10°38'05 Julian Calendar 1 June 484 BCE == Greg. Calendar 27 May 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

JULY 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 12 44	2♋ 7'08	5♏19	17♋33	19♊19	17♉41	9°R39	2°R 9	19♊59	3°R44	13♎55	21♐ 7	20♐36	15♉22	n.a.	T 1
W 2	18 16 41	3° 4'32	19°57	19°18	20°33	18°21	9♐33	2♑ 4	20° 3	3♐43	13°55	21° 8	20°33	15°29	n.a.	W 2
T 3	18 20 38	4° 1'56	4♐42	21° 2	21°47	19° 0	9°26	2° 0	20° 6	3°41	13°55	21° 9	20°29	15°36	n.a.	T 3
F 4	18 24 34	4°59'21	19°27	22°45	23° 0	19°40	9°20	1°55	20°10	3°40	13°55	21°R 9	20°26	15°42	n.a.	F 4
S 5	18 28 31	5°56'48	4♑ 6	24°25	24°14	20°19	9°14	1°51	20°13	3°39	13°56	21° 9	20°23	15°49	n.a.	S 5
S 6	18 32 27	6°54'15	18°33	26° 5	25°28	20°59	9° 8	1°47	20°17	3°38	13°56	21° 8	20°20	15°56	n.a.	S 6
M 7	18 36 24	7°51'44	2♒41	27°42	26°42	21°38	9° 2	1°42	20°20	3°36	13°56	21° 6	20°17	16° 2	n.a.	M 7
T 8	18 40 20	8°49'15	16°27	29°18	27°55	22°17	8°56	1°38	20°24	3°35	13°56	21° 4	20°14	16° 9	n.a.	T 8
W 9	18 44 17	9°46'46	29°49	0♌53	29° 9	22°57	8°50	1°33	20°27	3°34	13°56	21° 2	20°10	16°16	n.a.	W 9
T 10	18 48 14	10°44'19	12♓47	2°25	0♋23	23°36	8°45	1°29	20°31	3°33	13°57	20°59	20° 7	16°22	n.a.	T 10
F 11	18 52 10	11°41'54	25°23	3°57	1°37	24°15	8°40	1°25	20°34	3°31	13°57	20°58	20° 4	16°29	n.a.	F 11
S 12	18 56 7	12°39'30	7♈41	5°26	2°51	24°54	8°34	1°20	20°38	3°30	13°57	20°D57	20° 1	16°36	n.a.	S 12
S 13	19 0 3	13°37'08	19°45	6°54	4° 5	25°33	8°29	1°16	20°41	3°29	13°58	20°57	19°58	16°42	n.a.	S 13
M14	19 4 0	14°34'48	1♉40	8°21	5°19	26°11	8°24	1°12	20°45	3°28	13°58	20°58	19°54	16°49	n.a.	M14
T 15	19 7 56	15°32'29	13°30	9°46	6°33	26°50	8°19	1° 7	20°48	3°27	13°59	20°59	19°51	16°56	n.a.	T 15
W16	19 11 53	16°30'12	25°19	11° 9	7°47	27°29	8°15	1° 3	20°52	3°26	13°59	21° 1	19°48	17° 2	n.a.	W16
T 17	19 15 49	17°27'57	7♊14	12°30	9° 1	28° 7	8°10	0°59	20°55	3°25	14° 0	21° 2	19°45	17° 9	n.a.	T 17
F 18	19 19 46	18°25'44	19°16	13°50	10°16	28°46	8° 6	0°55	20°58	3°24	14° 0	21°R 3	19°42	17°16	n.a.	F 18
S 19	19 23 43	19°23'32	1♋29	15° 8	11°30	29°24	8° 2	0°51	21° 2	3°23	14° 1	21° 3	19°39	17°22	n.a.	S 19
S 20	19 27 39	20°21'22	13°55	16°24	12°44	0♊ 3	7°58	0°47	21° 5	3°22	14° 2	21° 1	19°35	17°29	n.a.	S 20
M21	19 31 36	21°19'13	26°36	17°38	13°58	0°41	7°54	0°43	21° 8	3°21	14° 2	20°57	19°32	17°36	n.a.	M21
T 22	19 35 32	22°17'07	9♌32	18°51	15°12	1°19	7°51	0°39	21°11	3°20	14° 3	20°53	19°29	17°42	n.a.	T 22
W23	19 39 29	23°15'01	22°42	20° 1	16°27	1°57	7°47	0°35	21°15	3°19	14° 4	20°48	19°26	17°49	n.a.	W23
T 24	19 43 25	24°12'57	6♍ 6	21° 9	17°41	2°35	7°44	0°31	21°18	3°18	14° 5	20°43	19°23	17°56	n.a.	T 24
F 25	19 47 22	25°10'55	19°43	22°15	18°55	3°13	7°41	0°27	21°21	3°17	14° 5	20°38	19°19	18° 2	n.a.	F 25
S 26	19 51 18	26° 8'54	3♎30	23°18	20°10	3°51	7°38	0°23	21°24	3°16	14° 6	20°35	19°16	18° 9	n.a.	S 26
S 27	19 55 15	27° 6'54	17°27	24°19	21°24	4°29	7°35	0°19	21°27	3°16	14° 7	20°33	19°13	18°16	n.a.	S 27
M28	19 59 12	28° 4'56	1♏33	25°18	22°39	5° 7	7°33	0°16	21°31	3°15	14° 8	20°D32	19°10	18°22	n.a.	M28
T 29	20 3 8	29° 2'59	15°45	26°14	23°53	5°44	7°30	0°12	21°34	3°14	14° 9	20°33	19° 7	18°29	n.a.	T 29
W30	20 7 5	0♌ 1'04	0♐ 2	27° 6	25° 7	6°22	7°28	0° 8	21°37	3°13	14°10	20°35	19° 4	18°36	n.a.	W30
T 31	20 11 1	0♌59'11	14♐22	27♌56	26♋22	6♊59	7♐26	0♑ 5	21♊40	3♐13	14♎11	20°R36	19♐ 0	18♉42	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23n44	17s 2	3s48	24n13	1n39	23n29	0n10	17n 5	0s15	22s 9	0n 3	23s45	0s 1	23n36	0n13	19s53	1n19	8n33	15n20	23s27	23s25	19n30			n.a.
W 2	23 43	20 36	2 44	23 54	1 35	23 37	0 12	17 17	0 15	22 8	0 2	23 45	0 1	23 36	0 13	19 52	1 19	8 32	15 19	23 27	23 25	19 31			n.a.
T 3	23 41	22 50	1 30	23 35	1 31	23 44	0 15	17 29	0 14	22 7	0 2	23 45	0 1	23 36	0 14	19 52	1 19	8 31	15 19	23 27	23 24	19 32			n.a.
F 4	23 39	23 29	0 9	23 13	1 26	23 51	0 17	17 40	0 13	22 6	0 2	23 46	0 1	23 36	0 14	19 52	1 19	8 31	15 18	23 27	23 24	19 34			n.a.
S 5	23 37	22 30	1n11	22 51	1 21	23 57	0 19	17 52	0 13	22 5	0 2	23 46	0 1	23 37	0 14	19 52	1 19	8 30	15 18	23 27	23 24	19 35			n.a.
S 6	23 34	20 3	2 26	22 27	1 15	24 2	0 22	18 3	0 12	22 5	0 2	23 46	0 1	23 37	0 14	19 52	1 19	8 30	15 17	23 27	23 24	19 36			n.a.
M 7	23 31	16 25	3 30	22 2	1 10	24 7	0 24	18 14	0 11	22 4	0 2	23 46	0 2	23 37	0 14	19 51	1 19	8 29	15 16	23 27	23 23	19 38			n.a.
T 8	23 27	11 59	4 20	21 36	1 3	24 11	0 26	18 25	0 10	22 3	0 2	23 46	0 2	23 38	0 14	19 51	1 19	8 28	15 16	23 27	23 23	19 39			n.a.
W 9	23 23	7 6	4 54	21 9	0 57	24 14	0 29	18 36	0 10	22 2	0 1	23 46	0 2	23 38	0 14	19 51	1 19	8 28	15 15	23 27	23 23	19 40			n.a.
T 10	23 19	2 3	5 12	20 41	0 50	24 16	0 31	18 46	0 9	22 2	0 1	23 47	0 2	23 38	0 14	19 51	1 19	8 27	15 15	23 27	23 23	19 41			n.a.
F 11	23 14	2n57	5 15	20 13	0 43	24 18	0 33	18 57	0 8	22 1	0 1	23 47	0 2	23 38	0 14	19 51	1 19	8 27	15 14	23 26	23 23	19 43			n.a.
S 12	23 9	7 42	5 2	19 44	0 35	24 19	0 35	19 7	0 7	22 0	0 1	23 47	0 2	23 39	0 14	19 50	1 19	8 26	15 14	23 26	23 22	19 44			n.a.
S 13	23 3	12 5	4 37	19 14	0 27	24 19	0 38	19 17	0 7	22 0	0 1	23 47	0 2	23 39	0 14	19 50	1 19	8 25	15 13	23 26	23 22	19 45			n.a.
M14	22 57	15 56	3 59	18 44	0 19	24 18	0 40	19 27	0 6	21 59	0 1	23 47	0 2	23 39	0 14	19 50	1 19	8 24	15 12	23 26	23 22	19 46			n.a.
T 15	22 50	19 9	3 12	18 13	0 11	24 17	0 42	19 37	0 5	21 58	0 0	23 47	0 2	23 39	0 14	19 50	1 19	8 24	15 12	23 27	23 22	19 48			n.a.
W16	22 43	21 33	2 17	17 42	0 3	24 15	0 44	19 47	0 4	21 58	0 0	23 47	0 2	23 40	0 14	19 50	1 19	8 23	15 11	23 27	23 21	19 49			n.a.
T 17	22 36	23 2	1 15	17 11	0s 6	24 12	0 46	19 57	0 4	21 57	0 0	23 47	0 2	23 40	0 14	19 50	1 19	8 22	15 11	23 27	23 21	19 50			n.a.
F 18	22 28	23 29	0 10	16 39	0 15	24 9	0 48	20 6	0 3	21 57	0s 0	23 48	0 3	23 40	0 14	19 49	1 19	8 22	15 10	23 27	23 21	19 51			n.a.
S 19	22 20	22 48	0s57	16 8	0 24	24 4	0 50	20 15	0 2	21 56	0 0	23 48	0 3	23 40	0 14	19 49	1 19	8 21	15 10	23 27	23 21	19 53			n.a.
S 20	22 11	20 59	2 2	15 36	0 33	23 59	0 52	20 24	0 1	21 56	0 0	23 48	0 3	23 41	0 14	19 49	1 19	8 20	15 9	23 27	23 20	19 54			n.a.
M21	22 2	18 7	3 2	15 4	0 43	23 54	0 53	20 33	0 0	21 55	0 0	23 48	0 3	23 41	0 14	19 49	1 18	8 19	15 8	23 26	23 20	19 55			n.a.
T 22	21 53	14 20	3 55	14 33	0 52	23 47	0 55	20 42	0n 0	21 55	0 1	23 48	0 3	23 41	0 14	19 49	1 18	8 18	15 8	23 26	23 20	19 56			n.a.
W23	21 43	9 48	4 35	14 2	1 2	23 40	0 57	20 51	0 1	21 54	0 1	23 48	0 3	23 41	0 14	19 49	1 18	8 18	15 7	23 26	23 20	19 57			n.a.
T 24	21 33	4 43	5 2	13 30	1 12	23 32	0 59	20 59	0 2	21 54	0 1	23 48	0 3	23 42	0 14	19 49	1 18	8 17	15 7	23 25	23 19	19 59			n.a.
F 25	21 23	0s38	5 11	13 0	1 21	23 24	1 0	21 7	0 3	21 54	0 1	23 48	0 3	23 42	0 14	19 48	1 18	8 16	15 6	23 25	23 19	20 0			n.a.
S 26	21 12	6 3	5 4	12 30	1 31	23 14	1 2	21 15	0 3	21 53	0 1	23 48	0 3	23 42	0 14	19 48	1 18	8 15	15 6	23 25	23 19	20 1			n.a.
S 27	21 1	11 12	4 38	12 0	1 41	23 4	1 4	21 23	0 4	21 53	0 1	23 49	0 3	23 42	0 14	19 48	1 18	8 14	15 5	23 25	23 19	20 2			n.a.
M28	20 49	15 50	3 55	11 31	1 51	22 54	1 5	21 31	0 5	21 53	0 1	23 49	0 3	23 42	0 14	19 48	1 18	8 14	15 4	23 25	23 18	20 3			n.a.
T 29	20 37	19 36	2 58	11 2	2 1	22 42	1 7	21 39	0 6	21 53	0 2	23 49	0 4	23 43	0 14	19 48	1 18	8 13	15 4	23 25	23 18	20 4			n.a.
W30	20 25	22 12	1 50	10 35	2 11	22 30	1 8	21 46	0 7	21 52	0 2	23 49	0 4	23 43	0 14	19 48	1 18	8 12	15 3	23 25	23 18	20 6			n.a.
T 31	20n12	23s23	0s34	10n 8	2s21	22n17	1n 9	21n53	0n 8	21s52	0s 2	23s49	0s 4	23n43	0n14	19s48	1n18	8n11	15n 3	23s25	23s17	20n 7			n.a.

Julian Day Number = 1544823.5, Delta T = 04h35m03s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°45'01, Lahiri = -10°38'01 Julian Calendar 1 July 484 BCE == Greg. Calendar 26 June 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

AUGUST 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 14 58	1♌57'19	28♐41	28♌43	27♋36	7♊37	7°R25	0°R 1	21♊43	3°R12	14♎12	20°R36	18♐57	18♉49	n.a.	F 1
S 2	20 18 54	2°55'29	12♑56	29°25	28°51	8°14	7♐23	29♐58	21°46	3♐11	14°13	20♐34	18°54	18°56	n.a.	S 2
S 3	20 22 51	3°53'40	27° 3	0♍ 5	0♌ 5	8°51	7°22	29°55	21°49	3°11	14°14	20°30	18°51	19° 2	n.a.	S 3
M 4	20 26 47	4°51'53	10♒56	0°40	1°20	9°28	7°20	29°51	21°52	3°10	14°15	20°24	18°48	19° 9	n.a.	M 4
T 5	20 30 44	5°50'09	24°32	1°11	2°35	10° 6	7°19	29°48	21°54	3°10	14°17	20°17	18°45	19°16	n.a.	T 5
W 6	20 34 41	6°48'26	7♓49	1°37	3°49	10°43	7°18	29°45	21°57	3° 9	14°18	20° 9	18°41	19°22	n.a.	W 6
T 7	20 38 37	7°46'45	20°45	1°59	5° 4	11°19	7°18	29°42	22° 0	3° 9	14°19	20° 1	18°38	19°29	n.a.	T 7
F 8	20 42 34	8°45'06	3♈21	2°15	6°19	11°56	7°17	29°39	22° 3	3° 8	14°20	19°55	18°35	19°36	n.a.	F 8
S 9	20 46 30	9°43'30	15°39	2°26	7°33	12°33	7°17	29°36	22° 6	3° 8	14°22	19°50	18°32	19°42	n.a.	S 9
S 10	20 50 27	10°41'55	27°44	2°R31	8°48	13°10	7°D17	29°34	22° 8	3° 7	14°23	19°47	18°29	19°49	n.a.	S 10
M11	20 54 23	11°40'23	9♉38	2°30	10° 3	13°46	7°17	29°31	22°11	3° 7	14°24	19°D46	18°25	19°56	n.a.	M11
T 12	20 58 20	12°38'54	21°28	2°22	11°17	14°23	7°18	29°28	22°14	3° 7	14°26	19°46	18°22	20° 2	n.a.	T 12
W13	21 2 16	13°37'26	3♊18	2° 8	12°32	14°59	7°18	29°26	22°16	3° 7	14°27	19°47	18°19	20° 9	n.a.	W13
T 14	21 6 13	14°36'01	15°14	1°47	13°47	15°35	7°19	29°23	22°19	3° 6	14°29	19°R48	18°16	20°16	n.a.	T 14
F 15	21 10 9	15°34'39	27°20	1°19	15° 2	16°11	7°20	29°21	22°21	3° 6	14°30	19°48	18°13	20°22	n.a.	F 15
S 16	21 14 6	16°33'18	9♋41	0°45	16°17	16°47	7°21	29°18	22°24	3° 6	14°31	19°46	18°10	20°29	n.a.	S 16
S 17	21 18 3	17°32'00	22°20	0° 3	17°32	17°23	7°22	29°16	22°26	3° 6	14°33	19°41	18° 6	20°36	n.a.	S 17
M18	21 21 59	18°30'44	5♌18	29♌15	18°46	17°59	7°24	29°14	22°29	3° 6	14°35	19°34	18° 3	20°42	n.a.	M18
T 19	21 25 56	19°29'30	18°36	28°22	20° 1	18°35	7°25	29°12	22°31	3° 5	14°36	19°26	18° 0	20°49	n.a.	T 19
W20	21 29 52	20°28'18	2♍11	27°24	21°16	19°11	7°27	29°10	22°33	3° 5	14°38	19°16	17°57	20°56	n.a.	W20
T 21	21 33 49	21°27'08	16° 2	26°22	22°31	19°46	7°29	29° 8	22°36	3°D 5	14°39	19° 5	17°54	21° 2	n.a.	T 21
F 22	21 37 45	22°26'00	0♎ 3	25°17	23°46	20°22	7°31	29° 6	22°38	3° 5	14°41	18°56	17°51	21° 9	n.a.	F 22
S 23	21 41 42	23°24'54	14°12	24°11	25° 1	20°57	7°34	29° 5	22°40	3° 5	14°43	18°48	17°47	21°16	n.a.	S 23
S 24	21 45 38	24°23'50	28°23	23° 5	26°16	21°32	7°36	29° 3	22°42	3° 6	14°44	18°43	17°44	21°22	n.a.	S 24
M25	21 49 35	25°22'48	12♏33	22° 2	27°31	22° 8	7°39	29° 1	22°44	3° 6	14°46	18°41	17°41	21°29	n.a.	M25
T 26	21 53 32	26°21'48	26°42	21° 2	28°46	22°43	7°42	29° 0	22°47	3° 6	14°48	18°D40	17°38	21°36	n.a.	T 26
W27	21 57 28	27°20'49	10♐47	20° 8	0♍ 1	23°18	7°45	28°59	22°49	3° 6	14°50	18°40	17°35	21°42	n.a.	W27
T 28	22 1 25	28°19'53	24°47	19°20	1°16	23°52	7°49	28°58	22°51	3° 6	14°52	18°R40	17°31	21°49	n.a.	T 28
F 29	22 5 21	29°18'58	8♑43	18°41	2°31	24°27	7°52	28°56	22°53	3° 6	14°53	18°39	17°28	21°56	n.a.	F 29
S 30	22 9 18	0♍18'05	22°32	18°11	3°46	25° 2	7°56	28°55	22°54	3° 7	14°55	18°35	17°25	22° 2	n.a.	S 30
S 31	22 13 14	1♍17'14	6♒13	17♌50	5♍ 1	25♊36	8♐ 0	28♐54	22♊56	3♐ 7	14♎57	18♐28	17♐22	22♉ 9	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n59	23s 1	0n44	9n43	2s31	22n 4	1n11	22n 0	0n 8	21s52	0s 2	23s49	0s 4	23n43	0n14	19s48	1n18	8n10	15n 2	23s25	23s17	20n 8		n.a.
S 2	19 46	21 9	1 58	9 19	2 41	21 50	1 12	22 7	0 9	21 52	0 2	23 49	0 4	23 44	0 14	19 48	1 18	8 9	15 2	23 25	23 17	20 9		n.a.
S 3	19 32	18 0	3 4	8 56	2 50	21 35	1 13	22 14	0 10	21 52	0 2	23 49	0 4	23 44	0 14	19 48	1 18	8 8	15 1	23 24	23 17	20 10		n.a.
M 4	19 18	13 54	3 59	8 35	3 0	21 20	1 14	22 21	0 11	21 52	0 2	23 49	0 4	23 44	0 14	19 48	1 18	8 7	15 1	23 24	23 16	20 11		n.a.
T 5	19 4	9 9	4 38	8 16	3 9	21 4	1 15	22 27	0 12	21 52	0 3	23 49	0 4	23 44	0 14	19 48	1 18	8 6	15 0	23 23	23 16	20 12		n.a.
W 6	18 49	4 6	5 1	7 58	3 17	20 47	1 16	22 33	0 13	21 52	0 3	23 49	0 4	23 44	0 14	19 47	1 18	8 5	15 0	23 23	23 16	20 14		n.a.
T 7	18 34	1n 0	5 8	7 43	3 26	20 30	1 17	22 39	0 14	21 52	0 3	23 49	0 4	23 44	0 14	19 47	1 18	8 4	14 59	23 22	23 16	20 15		n.a.
F 8	18 18	5 55	5 0	7 30	3 33	20 12	1 18	22 45	0 14	21 52	0 3	23 50	0 4	23 45	0 14	19 47	1 18	8 4	14 59	23 22	23 15	20 16		n.a.
S 9	18 3	10 30	4 37	7 19	3 41	19 54	1 19	22 51	0 15	21 52	0 3	23 50	0 4	23 45	0 14	19 47	1 18	8 3	14 58	23 21	23 15	20 17		n.a.
S 10	17 47	14 35	4 3	7 11	3 47	19 35	1 20	22 57	0 16	21 52	0 3	23 50	0 5	23 45	0 14	19 47	1 18	8 2	14 58	23 21	23 15	20 18		n.a.
M11	17 31	18 2	3 19	7 6	3 53	19 15	1 21	23 2	0 17	21 52	0 3	23 50	0 5	23 45	0 14	19 47	1 17	8 1	14 57	23 21	23 14	20 19		n.a.
T 12	17 14	20 43	2 26	7 4	3 58	18 55	1 21	23 7	0 18	21 52	0 4	23 50	0 5	23 45	0 14	19 47	1 17	8 0	14 57	23 21	23 14	20 20		n.a.
W13	16 57	22 31	1 28	7 6	4 1	18 34	1 22	23 12	0 19	21 52	0 4	23 50	0 5	23 46	0 14	19 47	1 17	7 59	14 56	23 21	23 14	20 21		n.a.
T 14	16 40	23 20	0 25	7 11	4 4	18 13	1 22	23 17	0 20	21 53	0 4	23 50	0 5	23 46	0 14	19 47	1 17	7 58	14 56	23 21	23 14	20 22		n.a.
F 15	16 23	23 3	0s40	7 20	4 5	17 52	1 23	23 22	0 21	21 53	0 4	23 50	0 5	23 46	0 14	19 47	1 17	7 57	14 55	23 21	23 13	20 23		n.a.
S 16	16 5	21 39	1 45	7 32	4 5	17 29	1 23	23 27	0 22	21 53	0 4	23 50	0 5	23 46	0 14	19 47	1 17	7 56	14 55	23 21	23 13	20 25		n.a.
S 17	15 47	19 10	2 45	7 49	4 3	17 7	1 24	23 31	0 22	21 54	0 4	23 50	0 5	23 46	0 14	19 47	1 17	7 55	14 54	23 21	23 13	20 26		n.a.
M18	15 29	15 40	3 38	8 9	3 59	16 43	1 24	23 35	0 23	21 54	0 4	23 50	0 5	23 46	0 14	19 47	1 17	7 54	14 54	23 20	23 12	20 27		n.a.
T 19	15 10	11 19	4 21	8 33	3 53	16 20	1 24	23 40	0 24	21 54	0 4	23 50	0 5	23 47	0 14	19 47	1 17	7 53	14 53	23 20	23 12	20 28		n.a.
W20	14 51	6 19	4 50	9 0	3 46	15 56	1 24	23 43	0 25	21 55	0 5	23 50	0 5	23 47	0 14	19 47	1 17	7 52	14 53	23 19	23 12	20 29		n.a.
T 21	14 32	0 56	5 3	9 31	3 36	15 31	1 24	23 47	0 26	21 55	0 5	23 51	0 5	23 47	0 14	19 48	1 17	7 50	14 52	23 18	23 12	20 30		n.a.
F 22	14 13	4s34	4 58	10 4	3 24	15 6	1 24	23 51	0 27	21 56	0 5	23 51	0 6	23 47	0 14	19 48	1 17	7 49	14 52	23 17	23 11	20 31		n.a.
S 23	13 53	9 52	4 35	10 38	3 11	14 41	1 24	23 54	0 28	21 56	0 5	23 51	0 6	23 47	0 14	19 48	1 17	7 48	14 51	23 16	23 11	20 32		n.a.
S 24	13 34	14 41	3 54	11 14	2 55	14 15	1 24	23 58	0 29	21 57	0 5	23 51	0 6	23 47	0 14	19 48	1 17	7 47	14 51	23 16	23 11	20 33		n.a.
M25	13 14	18 39	3 0	11 51	2 39	13 49	1 24	24 1	0 30	21 58	0 5	23 51	0 6	23 47	0 14	19 48	1 17	7 46	14 51	23 16	23 10	20 34		n.a.
T 26	12 54	21 31	1 54	12 28	2 20	13 22	1 24	24 4	0 31	21 58	0 5	23 51	0 6	23 48	0 14	19 48	1 17	7 45	14 50	23 16	23 10	20 35		n.a.
W27	12 33	23 3	0 42	13 3	2 1	12 55	1 24	24 7	0 32	21 59	0 5	23 51	0 6	23 48	0 14	19 48	1 17	7 44	14 50	23 16	23 10	20 36		n.a.
T 28	12 13	23 6	0n32	13 37	1 42	12 28	1 23	24 9	0 33	21 59	0 6	23 51	0 6	23 48	0 14	19 48	1 17	7 43	14 49	23 16	23 10	20 37		n.a.
F 29	11 52	21 44	1 44	14 8	1 22	12 0	1 23	24 12	0 34	22 0	0 6	23 51	0 6	23 48	0 14	19 48	1 17	7 42	14 49	23 16	23 9	20 38		n.a.
S 30	11 31	19 3	2 49	14 36	1 2	11 32	1 22	24 14	0 35	22 1	0 6	23 51	0 6	23 48	0 14	19 48	1 16	7 41	14 49	23 15	23 9	20 39		n.a.
S 31	11n 9	15s21	3n44	15n 1	0s42	11n 4	1n22	24n17	0n36	22s 2	0s 6	23s51	0s 6	23n48	0n15	19s48	1n16	7n40	14n48	23s15	23s 9	20n40		n.a.

Julian Day Number = 1544854.5, Delta T = 04h35m02s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'57, Lahiri = -10°37'56 Julian Calendar 1 Aug. 484 BCE == Greg. Calendar 27 July 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

SEPTEMBER 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 17 11	2♍16'25	19♒43	17°D40	6♍16	26♊11	8♐ 4	28°R54	22♊58	3♐ 7	14♎59	18°R19	17♐19	22♉16	n.a.	M 1
T 2	22 21 7	3°15'39	3♓ 1	17♌41	7°31	26°45	8° 8	28♐53	23° 0	3° 8	15° 1	18♐ 7	17°16	22°22	n.a.	T 2
W 3	22 25 4	4°14'54	16° 3	17°52	8°46	27°19	8°13	28°52	23° 2	3° 8	15° 3	17°54	17°12	22°29	n.a.	W 3
T 4	22 29 0	5°14'11	28°50	18°13	10° 1	27°53	8°17	28°52	23° 3	3° 9	15° 5	17°42	17° 9	22°36	n.a.	T 4
F 5	22 32 57	6°13'31	11♈20	18°45	11°16	28°27	8°22	28°51	23° 5	3° 9	15° 7	17°30	17° 6	22°42	n.a.	F 5
S 6	22 36 54	7°12'53	23°35	19°25	12°31	29° 1	8°27	28°51	23° 6	3°10	15° 9	17°21	17° 3	22°49	n.a.	S 6
S 7	22 40 50	8°12'18	5♉37	20°14	13°46	29°34	8°32	28°51	23° 8	3°10	15°11	17°15	17° 0	22°56	n.a.	S 7
M 8	22 44 47	9°11'45	17°30	21°11	15° 2	0♋ 8	8°38	28°51	23° 9	3°11	15°13	17°11	16°57	23° 2	n.a.	M 8
T 9	22 48 43	10°11'14	29°18	22°15	16°17	0°41	8°43	28°D51	23°11	3°11	15°15	17° 9	16°53	23° 9	n.a.	T 9
W10	22 52 40	11°10'46	11♊ 7	23°25	17°32	1°15	8°49	28°51	23°12	3°12	15°17	17° 9	16°50	23°15	n.a.	W10
T 11	22 56 36	12°10'20	23° 2	24°41	18°47	1°48	8°54	28°51	23°13	3°13	15°19	17° 9	16°47	23°22	n.a.	T 11
F 12	23 0 33	13° 9'57	5♋ 9	26° 1	20° 2	2°21	9° 0	28°51	23°15	3°13	15°21	17° 8	16°44	23°29	n.a.	F 12
S 13	23 4 29	14° 9'36	17°32	27°26	21°17	2°54	9° 7	28°51	23°16	3°14	15°23	17° 5	16°41	23°35	n.a.	S 13
S 14	23 8 26	15° 9'17	0♌17	28°54	22°32	3°26	9°13	28°52	23°17	3°15	15°26	17° 0	16°37	23°42	n.a.	S 14
M15	23 12 23	16° 9'01	13°25	0♍26	23°48	3°59	9°19	28°52	23°18	3°16	15°28	16°52	16°34	23°49	n.a.	M15
T 16	23 16 19	17° 8'46	26°58	1°59	25° 3	4°32	9°26	28°53	23°19	3°16	15°30	16°41	16°31	23°55	n.a.	T 16
W17	23 20 16	18° 8'34	10♍55	3°35	26°18	5° 4	9°33	28°54	23°20	3°17	15°32	16°29	16°28	24° 2	n.a.	W17
T 18	23 24 12	19° 8'25	25°10	5°12	27°33	5°36	9°40	28°55	23°21	3°18	15°34	16°17	16°25	24° 9	n.a.	T 18
F 19	23 28 9	20° 8'17	9♎39	6°51	28°48	6° 8	9°47	28°56	23°22	3°19	15°37	16° 5	16°22	24°15	n.a.	F 19
S 20	23 32 5	21° 8'11	24°14	8°30	0♎ 3	6°40	9°54	28°57	23°23	3°20	15°39	15°56	16°18	24°22	n.a.	S 20
S 21	23 36 2	22° 8'07	8♏49	10°10	1°19	7°12	10° 1	28°58	23°24	3°21	15°41	15°49	16°15	24°29	n.a.	S 21
M22	23 39 58	23° 8'05	23°17	11°51	2°34	7°43	10° 9	28°59	23°25	3°22	15°43	15°45	16°12	24°35	n.a.	M22
T 23	23 43 55	24° 8'05	7♐34	13°32	3°49	8°14	10°16	29° 1	23°25	3°23	15°46	15°44	16° 9	24°42	n.a.	T 23
W24	23 47 51	25° 8'06	21°40	15°13	5° 4	8°46	10°24	29° 2	23°26	3°24	15°48	15°44	16° 6	24°49	n.a.	W24
T 25	23 51 48	26° 8'10	5♑33	16°54	6°19	9°17	10°32	29° 4	23°26	3°25	15°50	15°44	16° 2	24°55	n.a.	T 25
F 26	23 55 45	27° 8'15	19°14	18°35	7°34	9°47	10°40	29° 6	23°27	3°26	15°53	15°42	15°59	25° 2	n.a.	F 26
S 27	23 59 41	28° 8'21	2♒43	20°15	8°50	10°18	10°49	29° 7	23°27	3°28	15°55	15°38	15°56	25° 9	n.a.	S 27
S 28	0 3 38	29° 8'29	16° 1	21°56	10° 5	10°49	10°57	29° 9	23°28	3°29	15°57	15°31	15°53	25°15	n.a.	S 28
M29	0 7 34	0♎ 8'39	29° 8	23°36	11°20	11°19	11° 5	29°11	23°28	3°30	16° 0	15°22	15°50	25°22	n.a.	M29
T 30	0 11 31	1♎ 8'51	12♓ 4	25♍16	12♎35	11♋49	11♐14	29♐13	23♊29	3♐31	16♎ 2	15♐10	15♐47	25♉29	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n48	10s54	4n25	15n22	0s23	10n35	1n21	24n19	0n37	22s 2	0s 6	23s51	0s 6	23n48	0n15	19s48	1n16	7n39	14n48	23s14	23s 8	20n41		n.a.
T 2	10 26	6 1	4 51	15 39	0 5	10 6	1 21	24 21	0 38	22 3	0 6	23 51	0 6	23 48	0 15	19 49	1 16	7 38	14 47	23 13	23 8	20 42		n.a.
W 3	10 5	0 57	5 1	15 52	0n12	9 37	1 20	24 22	0 39	22 4	0 6	23 51	0 7	23 49	0 15	19 49	1 16	7 37	14 47	23 12	23 8	20 43		n.a.
T 4	9 43	4n 2	4 55	16 0	0 28	9 8	1 19	24 24	0 40	22 5	0 6	23 51	0 7	23 49	0 15	19 49	1 16	7 36	14 47	23 11	23 7	20 44		n.a.
F 5	9 21	8 45	4 36	16 4	0 42	8 38	1 18	24 26	0 41	22 6	0 6	23 52	0 7	23 49	0 15	19 49	1 16	7 34	14 46	23 9	23 7	20 45		n.a.
S 6	8 58	13 2	4 4	16 4	0 56	8 8	1 17	24 27	0 42	22 7	0 7	23 52	0 7	23 49	0 15	19 49	1 16	7 33	14 46	23 9	23 7	20 46		n.a.
S 7	8 36	16 43	3 21	16 0	1 7	7 38	1 16	24 28	0 43	22 8	0 7	23 52	0 7	23 49	0 15	19 49	1 16	7 32	14 46	23 8	23 6	20 47		n.a.
M 8	8 14	19 40	2 30	15 51	1 18	7 8	1 15	24 29	0 44	22 9	0 7	23 52	0 7	23 49	0 15	19 49	1 16	7 31	14 45	23 8	23 6	20 48		n.a.
T 9	7 51	21 47	1 33	15 39	1 27	6 37	1 14	24 30	0 45	22 9	0 7	23 52	0 7	23 49	0 15	19 50	1 16	7 30	14 45	23 7	23 6	20 49		n.a.
W10	7 28	22 56	0 32	15 23	1 35	6 6	1 13	24 31	0 46	22 10	0 7	23 52	0 7	23 49	0 15	19 50	1 16	7 29	14 45	23 7	23 6	20 49		n.a.
T 11	7 5	23 3	0s31	15 4	1 42	5 35	1 12	24 32	0 47	22 12	0 7	23 52	0 7	23 49	0 15	19 50	1 16	7 28	14 44	23 7	23 5	20 50		n.a.
F 12	6 42	22 5	1 34	14 41	1 47	5 4	1 10	24 32	0 48	22 13	0 7	23 52	0 7	23 49	0 15	19 50	1 16	7 27	14 44	23 7	23 5	20 51		n.a.
S 13	6 19	20 3	2 34	14 16	1 52	4 33	1 9	24 33	0 49	22 14	0 7	23 52	0 7	23 50	0 15	19 50	1 16	7 26	14 44	23 7	23 5	20 52		n.a.
S 14	5 55	16 59	3 27	13 48	1 55	4 2	1 8	24 33	0 51	22 15	0 7	23 52	0 7	23 50	0 15	19 51	1 16	7 25	14 43	23 6	23 4	20 53		n.a.
M15	5 32	13 0	4 11	13 18	1 57	3 30	1 6	24 33	0 52	22 16	0 8	23 52	0 7	23 50	0 15	19 51	1 16	7 23	14 43	23 6	23 4	20 54		n.a.
T 16	5 8	8 15	4 43	12 45	1 59	2 59	1 5	24 33	0 53	22 17	0 8	23 52	0 7	23 50	0 15	19 51	1 16	7 22	14 43	23 5	23 4	20 55		n.a.
W17	4 45	2 58	4 59	12 11	1 59	2 27	1 3	24 33	0 54	22 18	0 8	23 52	0 8	23 50	0 15	19 51	1 16	7 21	14 42	23 3	23 3	20 56		n.a.
T 18	4 21	2s35	4 57	11 34	1 59	1 56	1 2	24 33	0 55	22 19	0 8	23 53	0 8	23 50	0 15	19 51	1 15	7 20	14 42	23 2	23 3	20 57		n.a.
F 19	3 57	8 5	4 36	10 57	1 58	1 24	1 0	24 33	0 56	22 20	0 8	23 53	0 8	23 50	0 15	19 52	1 15	7 19	14 42	23 1	23 3	20 58		n.a.
S 20	3 33	13 10	3 57	10 17	1 57	0 52	0 58	24 32	0 57	22 22	0 8	23 53	0 8	23 50	0 15	19 52	1 15	7 18	14 42	23 0	23 2	20 59		n.a.
S 21	3 10	17 29	3 2	9 37	1 55	0 20	0 57	24 32	0 59	22 23	0 8	23 53	0 8	23 50	0 15	19 52	1 15	7 17	14 41	22 59	23 2	20 59		n.a.
M22	2 46	20 42	1 56	8 56	1 52	0s12	0 55	24 31	1 0	22 24	0 8	23 53	0 8	23 50	0 15	19 52	1 15	7 16	14 41	22 59	23 2	21 0		n.a.
T 23	2 22	22 34	0 43	8 14	1 49	0 44	0 53	24 30	1 1	22 25	0 8	23 53	0 8	23 50	0 15	19 53	1 15	7 15	14 41	22 59	23 1	21 1		n.a.
W24	1 57	22 58	0n31	7 31	1 45	1 16	0 51	24 30	1 2	22 26	0 8	23 53	0 8	23 50	0 15	19 53	1 15	7 14	14 41	22 59	23 1	21 2		n.a.
T 25	1 33	21 55	1 43	6 48	1 41	1 48	0 49	24 29	1 3	22 28	0 9	23 53	0 8	23 50	0 15	19 53	1 15	7 13	14 40	22 59	23 1	21 3		n.a.
F 26	1 9	19 35	2 47	6 4	1 37	2 19	0 47	24 28	1 5	22 29	0 9	23 53	0 8	23 50	0 15	19 53	1 15	7 12	14 40	22 58	23 0	21 4		n.a.
S 27	0 45	16 13	3 42	5 19	1 32	2 51	0 45	24 26	1 6	22 30	0 9	23 53	0 8	23 50	0 15	19 54	1 15	7 10	14 40	22 58	23 0	21 5		n.a.
S 28	0 21	12 4	4 23	4 35	1 27	3 23	0 43	24 25	1 7	22 32	0 9	23 53	0 8	23 50	0 15	19 54	1 15	7 9	14 40	22 57	23 0	21 5		n.a.
M29	0s 3	7 24	4 49	3 50	1 22	3 55	0 41	24 24	1 8	22 33	0 9	23 53	0 8	23 51	0 15	19 54	1 15	7 8	14 40	22 56	22 59	21 6		n.a.
T 30	0s28	2s30	5n 1	3n 5	1n17	4s26	0n39	24n22	1n10	22s34	0s 9	23s54	0s 8	23n51	0n15	19s55	1n15	7n 7	14n39	22s55	22s59	21n 7		n.a.

Julian Day Number = 1544885.5, Delta T = 04h35m01s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'53, Lahiri = -10°37'52 Julian Calendar 1 Sept. 484 BCE == Greg. Calendar 27 Aug. 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

OCTOBER 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 15 27	2♎ 9'04	24♓47	26♍56	13♎50	12♋19	11♐23	29♐15	23♊29	3♐33	16♎ 4	14°R57	15♐43	25♉35	n.a.	W 1
T 2	0 19 24	3° 9'20	7♈19	28°35	15° 5	12°49	11°32	29°18	23°29	3°34	16° 7	14♐44	15°40	25°42	n.a.	T 2
F 3	0 23 20	4° 9'37	19°37	0♎14	16°21	13°19	11°41	29°20	23°29	3°35	16° 9	14°32	15°37	25°49	n.a.	F 3
S 4	0 27 17	5° 9'56	1♉45	1°53	17°36	13°48	11°50	29°23	23°29	3°37	16°11	14°22	15°34	25°55	n.a.	S 4
S 5	0 31 14	6°10'17	13°42	3°31	18°51	14°17	11°59	29°25	23°R29	3°38	16°14	14°15	15°31	26° 2	n.a.	S 5
M 6	0 35 10	7°10'41	25°33	5° 9	20° 6	14°46	12° 9	29°28	23°29	3°39	16°16	14°11	15°28	26° 9	n.a.	M 6
T 7	0 39 7	8°11'06	7♊19	6°46	21°21	15°15	12°18	29°31	23°29	3°41	16°19	14° 9	15°24	26°15	n.a.	T 7
W 8	0 43 3	9°11'33	19° 7	8°23	22°36	15°44	12°28	29°33	23°29	3°42	16°21	14°D 9	15°21	26°22	n.a.	W 8
T 9	0 47 0	10°12'03	1♋ 0	10° 0	23°51	16°12	12°38	29°36	23°29	3°44	16°23	14° 9	15°18	26°28	n.a.	T 9
F 10	0 50 56	11°12'34	13° 4	11°36	25° 7	16°40	12°47	29°39	23°29	3°45	16°26	14°R10	15°15	26°35	n.a.	F 10
S 11	0 54 53	12°13'07	25°25	13°12	26°22	17° 8	12°57	29°42	23°28	3°47	16°28	14° 9	15°12	26°42	n.a.	S 11
S 12	0 58 49	13°13'42	8♌ 8	14°48	27°37	17°36	13° 8	29°46	23°28	3°49	16°31	14° 6	15° 8	26°48	n.a.	S 12
M13	1 2 46	14°14'19	21°16	16°23	28°52	18° 3	13°18	29°49	23°27	3°50	16°33	14° 0	15° 5	26°55	n.a.	M13
T 14	1 6 43	15°14'58	4♍53	17°58	0♏ 7	18°30	13°28	29°52	23°27	3°52	16°36	13°53	15° 2	27° 2	n.a.	T 14
W15	1 10 39	16°15'39	18°57	19°33	1°22	18°57	13°39	29°56	23°26	3°53	16°38	13°44	14°59	27° 8	n.a.	W15
T 16	1 14 36	17°16'21	3♎26	21° 8	2°37	19°24	13°49	29°59	23°26	3°55	16°40	13°34	14°56	27°15	n.a.	T 16
F 17	1 18 32	18°17'05	18°14	22°42	3°53	19°51	14° 0	0♑ 3	23°25	3°57	16°43	13°25	14°53	27°22	n.a.	F 17
S 18	1 22 29	19°17'50	3♏12	24°16	5° 8	20°17	14°11	0° 7	23°25	3°59	16°45	13°18	14°49	27°28	n.a.	S 18
S 19	1 26 25	20°18'37	18°12	25°50	6°23	20°43	14°22	0°11	23°24	4° 0	16°48	13°13	14°46	27°35	n.a.	S 19
M20	1 30 22	21°19'26	3♐ 4	27°24	7°38	21° 8	14°32	0°14	23°23	4° 2	16°50	13°11	14°43	27°42	n.a.	M20
T 21	1 34 18	22°20'15	17°42	28°57	8°53	21°34	14°44	0°18	23°22	4° 4	16°53	13°D10	14°40	27°48	n.a.	T 21
W22	1 38 15	23°21'06	2♑ 1	0♏30	10° 8	21°59	14°55	0°23	23°21	4° 6	16°55	13°11	14°37	27°55	n.a.	W22
T 23	1 42 12	24°21'58	16° 1	2° 3	11°23	22°24	15° 6	0°27	23°20	4° 8	16°57	13°12	14°33	28° 2	n.a.	T 23
F 24	1 46 8	25°22'51	29°40	3°37	12°38	22°48	15°17	0°31	23°19	4° 9	17° 0	13°R12	14°30	28° 8	n.a.	F 24
S 25	1 50 5	26°23'45	13♒ 1	5° 9	13°53	23°13	15°29	0°35	23°18	4°11	17° 2	13°11	14°27	28°15	n.a.	S 25
S 26	1 54 1	27°24'39	26° 6	6°42	15° 8	23°37	15°40	0°40	23°17	4°13	17° 5	13° 7	14°24	28°22	n.a.	S 26
M27	1 57 58	28°25'35	8♓56	8°15	16°23	24° 0	15°52	0°44	23°16	4°15	17° 7	13° 2	14°21	28°28	n.a.	M27
T 28	2 1 54	29°26'31	21°32	9°47	17°38	24°23	16° 4	0°49	23°15	4°17	17° 9	12°54	14°18	28°35	n.a.	T 28
W29	2 5 51	0♏27'29	3♈58	11°19	18°53	24°46	16°16	0°53	23°14	4°19	17°12	12°46	14°14	28°42	n.a.	W29
T 30	2 9 47	1°28'28	16°13	12°52	20° 8	25° 9	16°27	0°58	23°12	4°21	17°14	12°38	14°11	28°48	n.a.	T 30
F 31	2 13 44	2♏29'27	28♈19	14♏24	21♏23	25♋31	16♐39	1♑ 3	23♊11	4♐23	17♎17	12♐31	14♐ 8	28♉55	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	0s52	2n26	4n57	2n19	1n11	4s58	0n37	24n21	1n11	22s35	0s 9	23s54	0s 9	23n51	0n15	19s55	1n15	7n 6	14n39	22s53	22s59	21n 8			n.a.
T 2	1 16	7 11	4 39	1 34	1 5	5 29	0 35	24 19	1 12	22 37	0 9	23 54	0 9	23 51	0 15	19 55	1 15	7 5	14 39	22 52	22 58	21 9			n.a.
F 3	1 40	11 35	4 7	0 49	0 59	6 1	0 32	24 18	1 13	22 38	0 9	23 54	0 9	23 51	0 15	19 55	1 15	7 4	14 39	22 51	22 58	21 9			n.a.
S 4	2 5	15 26	3 25	0 3	0 53	6 32	0 30	24 16	1 15	22 39	0 9	23 54	0 9	23 51	0 15	19 56	1 15	7 3	14 39	22 49	22 58	21 10			n.a.
S 5	2 29	18 37	2 35	0s42	0 47	7 3	0 28	24 14	1 16	22 41	0 10	23 54	0 9	23 51	0 15	19 56	1 15	7 2	14 39	22 49	22 57	21 11			n.a.
M 6	2 53	20 59	1 38	1 27	0 41	7 34	0 26	24 12	1 17	22 42	0 10	23 54	0 9	23 51	0 15	19 56	1 15	7 1	14 39	22 48	22 57	21 12			n.a.
T 7	3 17	22 25	0 36	2 12	0 34	8 5	0 23	24 10	1 19	22 44	0 10	23 54	0 9	23 51	0 15	19 57	1 15	7 0	14 38	22 48	22 57	21 13			n.a.
W 8	3 41	22 52	0s27	2 56	0 28	8 35	0 21	24 8	1 20	22 45	0 10	23 54	0 9	23 51	0 15	19 57	1 15	6 59	14 38	22 48	22 56	21 13			n.a.
T 9	4 5	22 16	1 29	3 41	0 22	9 5	0 18	24 6	1 21	22 46	0 10	23 54	0 9	23 51	0 15	19 57	1 15	6 58	14 38	22 48	22 56	21 14			n.a.
F 10	4 29	20 38	2 28	4 25	0 15	9 36	0 16	24 4	1 23	22 48	0 10	23 54	0 9	23 51	0 15	19 58	1 14	6 57	14 38	22 48	22 55	21 15			n.a.
S 11	4 53	18 1	3 22	5 9	0 8	10 5	0 14	24 2	1 24	22 49	0 10	23 54	0 9	23 51	0 15	19 58	1 14	6 56	14 38	22 48	22 55	21 16			n.a.
S 12	5 17	14 29	4 8	5 53	0 2	10 35	0 11	24 0	1 26	22 50	0 10	23 54	0 9	23 51	0 15	19 58	1 14	6 55	14 38	22 47	22 55	21 17			n.a.
M13	5 41	10 9	4 42	6 36	0s 5	11 5	0 9	23 57	1 27	22 52	0 10	23 55	0 9	23 51	0 15	19 59	1 14	6 54	14 38	22 47	22 54	21 17			n.a.
T 14	6 5	5 10	5 2	7 19	0 11	11 34	0 6	23 55	1 28	22 53	0 10	23 55	0 9	23 51	0 16	19 59	1 14	6 53	14 38	22 46	22 54	21 18			n.a.
W15	6 29	0s14	5 4	8 1	0 18	12 3	0 4	23 53	1 30	22 55	0 10	23 55	0 9	23 51	0 16	19 59	1 14	6 52	14 38	22 45	22 54	21 19			n.a.
T 16	6 52	5 46	4 47	8 43	0 24	12 31	0 1	23 50	1 31	22 56	0 11	23 55	0 10	23 51	0 16	20 0	1 14	6 51	14 38	22 44	22 53	21 20			n.a.
F 17	7 16	11 6	4 11	9 25	0 31	13 0	0s 1	23 48	1 33	22 57	0 11	23 55	0 10	23 51	0 16	20 0	1 14	6 50	14 38	22 43	22 53	21 20			n.a.
S 18	7 39	15 50	3 18	10 6	0 37	13 27	0 4	23 45	1 34	22 59	0 11	23 55	0 10	23 51	0 16	20 0	1 14	6 49	14 38	22 42	22 53	21 21			n.a.
S 19	8 2	19 33	2 10	10 47	0 43	13 55	0 6	23 43	1 36	23 0	0 11	23 55	0 10	23 51	0 16	20 1	1 14	6 48	14 38	22 41	22 52	21 22			n.a.
M20	8 25	21 56	0 54	11 27	0 49	14 22	0 9	23 40	1 37	23 2	0 11	23 55	0 10	23 51	0 16	20 1	1 14	6 47	14 37	22 41	22 52	21 22			n.a.
T 21	8 48	22 46	0n24	12 6	0 56	14 49	0 11	23 38	1 39	23 3	0 11	23 55	0 10	23 51	0 16	20 2	1 14	6 46	14 37	22 41	22 52	21 23			n.a.
W22	9 11	22 4	1 40	12 45	1 2	15 16	0 14	23 35	1 41	23 4	0 11	23 55	0 10	23 51	0 16	20 2	1 14	6 46	14 37	22 41	22 51	21 24			n.a.
T 23	9 34	20 0	2 48	13 24	1 7	15 42	0 16	23 33	1 42	23 6	0 11	23 55	0 10	23 51	0 16	20 2	1 14	6 45	14 37	22 41	22 51	21 25			n.a.
F 24	9 57	16 50	3 44	14 2	1 13	16 8	0 19	23 30	1 44	23 7	0 11	23 55	0 10	23 51	0 16	20 3	1 14	6 44	14 37	22 41	22 50	21 25			n.a.
S 25	10 19	12 51	4 27	14 39	1 19	16 33	0 21	23 27	1 45	23 8	0 11	23 55	0 10	23 51	0 16	20 3	1 14	6 43	14 38	22 41	22 50	21 26			n.a.
S 26	10 41	8 21	4 55	15 15	1 24	16 58	0 24	23 25	1 47	23 10	0 11	23 55	0 10	23 51	0 16	20 3	1 14	6 42	14 38	22 40	22 50	21 27			n.a.
M27	11 3	3 35	5 8	15 51	1 30	17 22	0 26	23 22	1 49	23 11	0 12	23 55	0 10	23 51	0 16	20 4	1 14	6 41	14 38	22 40	22 49	21 27			n.a.
T 28	11 25	1n16	5 5	16 26	1 35	17 46	0 29	23 20	1 50	23 12	0 12	23 55	0 10	23 51	0 16	20 4	1 14	6 40	14 38	22 39	22 49	21 28			n.a.
W29	11 47	5 59	4 48	17 0	1 40	18 10	0 31	23 17	1 52	23 14	0 12	23 55	0 10	23 50	0 16	20 5	1 14	6 39	14 38	22 38	22 49	21 29			n.a.
T 30	12 8	10 25	4 18	17 33	1 44	18 33	0 34	23 15	1 54	23 15	0 12	23 55	0 10	23 50	0 16	20 5	1 14	6 39	14 38	22 37	22 48	21 29			n.a.
F 31	12s30	14n22	3n36	18s 6	1s49	18s55	0s36	23n12	1n55	23s16	0s12	23s55	0s11	23n50	0n16	20s 5	1n14	6n38	14n38	22s36	22s48	21n30			n.a.

Julian Day Number = 1544915.5, Delta T = 04h35m00s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'48, Lahiri = -10°37'48 Julian Calendar 1 Oct. 484 BCE == Greg. Calendar 26 Sept. 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

NOVEMBER 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 17 40	3♏30'28	10♉17	15♏56	22♏38	25♋53	16♐51	1♑ 8	23°R10	4♐25	17♎19	12°R25	14♐ 5	29♉ 1	n.a.	S 1
S 2	2 21 37	4°31'30	22°10	17°27	23°53	26°15	17° 4	1°13	23♊ 8	4°27	17°21	12♐21	14° 2	29° 8	n.a.	S 2
M 3	2 25 34	5°32'33	3♊58	18°59	25° 8	26°36	17°16	1°18	23° 7	4°29	17°24	12°19	13°59	29°15	n.a.	M 3
T 4	2 29 30	6°33'37	15°44	20°30	26°23	26°57	17°28	1°23	23° 5	4°31	17°26	12°D18	13°55	29°21	n.a.	T 4
W 5	2 33 27	7°34'42	27°32	22° 1	27°38	27°18	17°41	1°28	23° 4	4°33	17°28	12°19	13°52	29°28	n.a.	W 5
T 6	2 37 23	8°35'49	9♋26	23°31	28°53	27°38	17°53	1°33	23° 2	4°35	17°31	12°21	13°49	29°35	n.a.	T 6
F 7	2 41 20	9°36'56	21°30	25° 1	0♐ 8	27°58	18° 5	1°38	23° 1	4°37	17°33	12°23	13°46	29°41	n.a.	F 7
S 8	2 45 16	10°38'04	3♌48	26°31	1°23	28°17	18°18	1°44	22°59	4°39	17°35	12°24	13°43	29°48	n.a.	S 8
S 9	2 49 13	11°39'14	16°26	28° 0	2°38	28°36	18°31	1°49	22°57	4°41	17°37	12°R24	13°39	29°55	n.a.	S 9
M10	2 53 10	12°40'24	29°27	29°28	3°53	28°55	18°43	1°54	22°55	4°44	17°40	12°23	13°36	0♊ 1	n.a.	M10
T 11	2 57 6	13°41'36	12♍56	0♐56	5° 8	29°13	18°56	2° 0	22°53	4°46	17°42	12°20	13°33	0° 8	n.a.	T 11
W12	3 1 3	14°42'48	26°54	2°22	6°23	29°30	19° 9	2° 5	22°52	4°48	17°44	12°17	13°30	0°15	n.a.	W12
T 13	3 4 59	15°44'01	11♎20	3°48	7°38	29°48	19°22	2°11	22°50	4°50	17°46	12°13	13°27	0°21	n.a.	T 13
F 14	3 8 56	16°45'15	26° 9	5°11	8°53	0♌ 4	19°35	2°17	22°48	4°52	17°49	12° 9	13°24	0°28	n.a.	F 14
S 15	3 12 52	17°46'30	11♏15	6°34	10° 7	0°21	19°48	2°23	22°46	4°54	17°51	12° 6	13°20	0°35	n.a.	S 15
S 16	3 16 49	18°47'45	26°28	7°54	11°22	0°36	20° 1	2°28	22°44	4°57	17°53	12° 4	13°17	0°41	n.a.	S 16
M17	3 20 45	19°49'01	11♐39	9°11	12°37	0°52	20°14	2°34	22°42	4°59	17°55	12°D 3	13°14	0°48	n.a.	M17
T 18	3 24 42	20°50'17	26°38	10°27	13°52	1° 7	20°27	2°40	22°40	5° 1	17°57	12° 4	13°11	0°55	n.a.	T 18
W19	3 28 39	21°51'34	11♑17	11°38	15° 7	1°21	20°41	2°46	22°38	5° 3	17°59	12° 5	13° 8	1° 1	n.a.	W19
T 20	3 32 35	22°52'50	25°33	12°46	16°21	1°35	20°54	2°52	22°35	5° 6	18° 1	12° 6	13° 5	1° 8	n.a.	T 20
F 21	3 36 32	23°54'07	9♒23	13°50	17°36	1°48	21° 7	2°58	22°33	5° 8	18° 3	12° 7	13° 1	1°14	n.a.	F 21
S 22	3 40 28	24°55'23	22°49	14°49	18°51	2° 1	21°21	3° 4	22°31	5°10	18° 6	12°R 8	12°58	1°21	n.a.	S 22
S 23	3 44 25	25°56'39	5♓52	15°41	20° 6	2°13	21°34	3°11	22°29	5°12	18° 8	12° 8	12°55	1°28	n.a.	S 23
M24	3 48 21	26°57'55	18°35	16°28	21°20	2°24	21°48	3°17	22°27	5°14	18°10	12° 7	12°52	1°34	n.a.	M24
T 25	3 52 18	27°59'11	1♈ 1	17° 6	22°35	2°35	22° 1	3°23	22°24	5°17	18°12	12° 5	12°49	1°41	n.a.	T 25
W26	3 56 14	29° 0'27	13°14	17°37	23°50	2°46	22°15	3°30	22°22	5°19	18°14	12° 3	12°45	1°48	n.a.	W26
T 27	4 0 11	0♐ 1'43	25°17	17°58	25° 4	2°56	22°28	3°36	22°20	5°21	18°16	12° 1	12°42	1°54	n.a.	T 27
F 28	4 4 8	1° 2'58	7♉13	18°R 9	26°19	3° 5	22°42	3°42	22°17	5°24	18°17	11°59	12°39	2° 1	n.a.	F 28
S 29	4 8 4	2° 4'14	19° 4	18° 9	27°34	3°13	22°56	3°49	22°15	5°26	18°19	11°58	12°36	2° 8	n.a.	S 29
S 30	4 12 1	3♐ 5'29	0♊52	17♐57	28♐48	3♌22	23♐10	3♑55	22♊12	5♐28	18♎21	11♐57	12♐33	2♊14	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s51	17n43	2n45	18s37	1s53	19s17	0s38	23n10	1n57	23s18	0s12	23s55	0s11	23n50	0n16	20s 6	1n14	6n37	14n38	22s35	22s47	21n31		n.a.
S 2	13 12	20 17	1 48	19 8	1 57	19 39	0 41	23 7	1 59	23 19	0 12	23 55	0 11	23 50	0 16	20 6	1 14	6 36	14 38	22 34	22 47	21 31		n.a.
M 3	13 32	21 58	0 45	19 38	2 1	20 0	0 43	23 5	2 1	23 20	0 12	23 56	0 11	23 50	0 16	20 7	1 14	6 35	14 38	22 34	22 47	21 32		n.a.
T 4	13 53	22 40	0s19	20 6	2 4	20 20	0 46	23 2	2 2	23 21	0 12	23 56	0 11	23 50	0 16	20 7	1 14	6 35	14 38	22 34	22 46	21 33		n.a.
W 5	14 13	22 21	1 22	20 33	2 7	20 40	0 48	23 0	2 4	23 23	0 12	23 56	0 11	23 50	0 16	20 7	1 14	6 34	14 38	22 34	22 46	21 33		n.a.
T 6	14 33	21 2	2 23	21 0	2 10	20 59	0 50	22 58	2 6	23 24	0 12	23 56	0 11	23 50	0 16	20 8	1 14	6 33	14 38	22 34	22 45	21 34		n.a.
F 7	14 53	18 45	3 18	21 25	2 12	21 18	0 53	22 56	2 8	23 25	0 13	23 56	0 11	23 50	0 16	20 8	1 13	6 32	14 39	22 35	22 45	21 34		n.a.
S 8	15 12	15 34	4 6	21 48	2 14	21 36	0 55	22 53	2 10	23 26	0 13	23 56	0 11	23 50	0 16	20 9	1 13	6 32	14 39	22 35	22 45	21 35		n.a.
S 9	15 32	11 38	4 43	22 11	2 16	21 53	0 57	22 51	2 12	23 28	0 13	23 56	0 11	23 50	0 16	20 9	1 13	6 31	14 39	22 35	22 44	21 36		n.a.
M10	15 51	7 2	5 6	22 32	2 17	22 10	0 59	22 49	2 14	23 29	0 13	23 56	0 11	23 50	0 16	20 9	1 13	6 30	14 39	22 35	22 44	21 36		n.a.
T 11	16 9	1 58	5 14	22 51	2 18	22 26	1 1	22 47	2 16	23 30	0 13	23 55	0 11	23 50	0 16	20 10	1 13	6 29	14 39	22 34	22 44	21 37		n.a.
W12	16 28	3s23	5 4	23 9	2 18	22 42	1 3	22 46	2 17	23 31	0 13	23 55	0 11	23 50	0 16	20 10	1 13	6 29	14 39	22 34	22 43	21 37		n.a.
T 13	16 46	8 44	4 35	23 26	2 17	22 57	1 6	22 44	2 19	23 32	0 13	23 55	0 11	23 50	0 16	20 11	1 13	6 28	14 39	22 33	22 43	21 38		n.a.
F 14	17 4	13 44	3 47	23 40	2 16	23 11	1 8	22 42	2 21	23 33	0 13	23 55	0 11	23 49	0 16	20 11	1 13	6 27	14 40	22 33	22 42	21 39		n.a.
S 15	17 21	17 58	2 42	23 53	2 14	23 24	1 10	22 40	2 23	23 35	0 13	23 55	0 11	23 49	0 16	20 12	1 13	6 27	14 40	22 32	22 42	21 39		n.a.
S 16	17 38	21 0	1 25	24 4	2 11	23 37	1 12	22 39	2 26	23 36	0 13	23 55	0 12	23 49	0 16	20 12	1 13	6 26	14 40	22 32	22 42	21 40		n.a.
M17	17 55	22 31	0 2	24 14	2 8	23 49	1 13	22 38	2 28	23 37	0 13	23 55	0 12	23 49	0 16	20 12	1 13	6 26	14 40	22 32	22 41	21 40		n.a.
T 18	18 12	22 23	1n20	24 21	2 4	24 1	1 15	22 36	2 30	23 38	0 14	23 55	0 12	23 49	0 16	20 13	1 13	6 25	14 40	22 32	22 41	21 41		n.a.
W19	18 28	20 42	2 35	24 26	1 59	24 11	1 17	22 35	2 32	23 39	0 14	23 55	0 12	23 49	0 16	20 13	1 13	6 24	14 41	22 32	22 40	21 41		n.a.
T 20	18 44	17 44	3 38	24 29	1 53	24 21	1 19	22 34	2 34	23 40	0 14	23 55	0 12	23 49	0 16	20 14	1 13	6 24	14 41	22 32	22 40	21 42		n.a.
F 21	19 0	13 51	4 27	24 30	1 45	24 30	1 21	22 33	2 36	23 41	0 14	23 55	0 12	23 49	0 16	20 14	1 13	6 23	14 41	22 32	22 40	21 42		n.a.
S 22	19 15	9 23	4 59	24 29	1 37	24 39	1 22	22 32	2 38	23 42	0 14	23 55	0 12	23 49	0 16	20 15	1 13	6 23	14 41	22 33	22 39	21 43		n.a.
S 23	19 30	4 36	5 15	24 26	1 28	24 46	1 24	22 32	2 40	23 43	0 14	23 55	0 12	23 49	0 16	20 15	1 13	6 22	14 42	22 33	22 39	21 44		n.a.
M24	19 44	0n15	5 15	24 20	1 17	24 53	1 26	22 31	2 43	23 44	0 14	23 55	0 12	23 48	0 16	20 15	1 13	6 22	14 42	22 32	22 38	21 44		n.a.
T 25	19 58	4 59	5 0	24 12	1 5	25 0	1 27	22 31	2 45	23 45	0 14	23 55	0 12	23 48	0 16	20 16	1 13	6 21	14 42	22 32	22 38	21 45		n.a.
W26	20 12	9 27	4 31	24 2	0 52	25 5	1 29	22 30	2 47	23 46	0 14	23 55	0 12	23 48	0 16	20 16	1 13	6 21	14 42	22 32	22 37	21 45		n.a.
T 27	20 25	13 29	3 51	23 49	0 38	25 10	1 30	22 30	2 49	23 47	0 14	23 54	0 12	23 48	0 16	20 17	1 13	6 20	14 43	22 32	22 37	21 46		n.a.
F 28	20 38	16 57	3 1	23 35	0 22	25 13	1 31	22 30	2 52	23 47	0 15	23 54	0 12	23 48	0 16	20 17	1 13	6 20	14 43	22 31	22 37	21 46		n.a.
S 29	20 51	19 42	2 4	23 18	0 5	25 16	1 33	22 30	2 54	23 48	0 15	23 54	0 12	23 48	0 16	20 17	1 13	6 19	14 43	22 31	22 36	21 47		n.a.
S 30	21s 3	21n36	1n 1	22s59	0n13	25s19	1s34	22n31	2n56	23s49	0s15	23s54	0s12	23n48	0n16	20s18	1n13	6n19	14n43	22s31	22s36	21n47		n.a.

Julian Day Number = 1544946.5, Delta T = 04h34m58s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'44, Lahiri = -10°37'44 Julian Calendar 1 Nov. 484 BCE == Greg. Calendar 27 Oct. 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 484 BCE
geocentric

DECEMBER 484 BCE (-483) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 15 57	4♐ 6'45	12♊40	17°R34	0♑ 3	3♌29	23♐23	4♑ 2	22°R10	5♐30	18♎23	11°D57	12♐30	2♊21	n.a.	M 1
T 2	4 19 54	5° 8'00	24°30	16♐59	1°17	3°36	23°37	4° 8	22♊ 8	5°33	18°25	11♐57	12°26	2°28	n.a.	T 2
W 3	4 23 50	6° 9'15	6♋23	16°12	2°32	3°42	23°51	4°15	22° 5	5°35	18°27	11°58	12°23	2°34	n.a.	W 3
T 4	4 27 47	7°10'30	18°23	15°15	3°46	3°47	24° 5	4°22	22° 3	5°37	18°29	11°58	12°20	2°41	n.a.	T 4
F 5	4 31 44	8°11'45	0♌32	14° 9	5° 1	3°52	24°19	4°28	22° 0	5°39	18°30	11°59	12°17	2°48	n.a.	F 5
S 6	4 35 40	9°13'00	12°53	12°56	6°15	3°56	24°33	4°35	21°58	5°42	18°32	11°59	12°14	2°54	n.a.	S 6
S 7	4 39 37	10°14'15	25°31	11°38	7°30	3°59	24°47	4°42	21°55	5°44	18°34	11°59	12°11	3° 1	n.a.	S 7
M 8	4 43 33	11°15'30	8♍28	10°19	8°44	4° 2	25° 1	4°49	21°53	5°46	18°35	11°59	12° 7	3° 7	n.a.	M 8
T 9	4 47 30	12°16'44	21°48	8°59	9°58	4° 3	25°15	4°55	21°50	5°49	18°37	12° 0	12° 4	3°14	n.a.	T 9
W10	4 51 26	13°17'58	5♎32	7°42	11°13	4° 5	25°29	5° 2	21°47	5°51	18°39	12° 0	12° 1	3°21	n.a.	W10
T 11	4 55 23	14°19'13	19°43	6°31	12°27	4°R 5	25°43	5° 9	21°45	5°53	18°40	12° 0	11°58	3°27	n.a.	T 11
F 12	4 59 19	15°20'27	4♏17	5°26	13°41	4° 5	25°57	5°16	21°42	5°55	18°42	12° 0	11°55	3°34	n.a.	F 12
S 13	5 3 16	16°21'40	19°11	4°29	14°56	4° 3	26°11	5°23	21°40	5°58	18°43	12° 0	11°51	3°41	n.a.	S 13
S 14	5 7 13	17°22'53	4♐19	3°41	16°10	4° 1	26°25	5°30	21°37	6° 0	18°45	12° 1	11°48	3°47	n.a.	S 14
M15	5 11 9	18°24'06	19°31	3° 3	17°24	3°59	26°39	5°37	21°34	6° 2	18°46	12°R 1	11°45	3°54	n.a.	M15
T 16	5 15 6	19°25'18	4♑37	2°34	18°38	3°55	26°53	5°44	21°32	6° 4	18°48	12° 0	11°42	4° 1	n.a.	T 16
W17	5 19 2	20°26'29	19°30	2°14	19°52	3°51	27° 8	5°51	21°29	6° 6	18°49	11°59	11°39	4° 7	n.a.	W17
T 18	5 22 59	21°27'40	4♒ 1	2° 4	21° 6	3°46	27°22	5°58	21°27	6° 9	18°51	11°58	11°36	4°14	n.a.	T 18
F 19	5 26 55	22°28'49	18° 5	2°D 2	22°20	3°40	27°36	6° 5	21°24	6°11	18°52	11°57	11°32	4°21	n.a.	F 19
S 20	5 30 52	23°29'57	1♓42	2° 8	23°34	3°33	27°50	6°12	21°21	6°13	18°53	11°56	11°29	4°27	n.a.	S 20
S 21	5 34 48	24°31'03	14°52	2°22	24°48	3°25	28° 4	6°19	21°19	6°15	18°55	11°55	11°26	4°34	n.a.	S 21
M22	5 38 45	25°32'09	27°38	2°43	26° 2	3°17	28°19	6°26	21°16	6°17	18°56	11°D55	11°23	4°41	n.a.	M22
T 23	5 42 42	26°33'13	10♈ 3	3°10	27°16	3° 8	28°33	6°34	21°14	6°20	18°57	11°55	11°20	4°47	n.a.	T 23
W24	5 46 38	27°34'16	22°11	3°42	28°30	2°58	28°47	6°41	21°11	6°22	18°58	11°56	11°17	4°54	n.a.	W24
T 25	5 50 35	28°35'18	4♉ 9	4°20	29°44	2°47	29° 1	6°48	21° 8	6°24	19° 0	11°58	11°13	5° 0	n.a.	T 25
F 26	5 54 31	29°36'19	15°59	5° 2	0♒58	2°36	29°15	6°55	21° 6	6°26	19° 1	12° 0	11°10	5° 7	n.a.	F 26
S 27	5 58 28	0♑37'18	27°46	5°49	2°11	2°24	29°30	7° 2	21° 3	6°28	19° 2	12° 1	11° 7	5°14	n.a.	S 27
S 28	6 2 24	1°38'16	9♊33	6°40	3°25	2°11	29°44	7° 9	21° 1	6°30	19° 3	12°R 1	11° 4	5°20	n.a.	S 28
M29	6 6 21	2°39'13	21°24	7°34	4°39	1°57	29°58	7°17	20°58	6°32	19° 4	12° 1	11° 1	5°27	n.a.	M29
T 30	6 10 18	3°40'09	3♋19	8°31	5°52	1°43	0♑12	7°24	20°56	6°34	19° 5	12° 0	10°57	5°34	n.a.	T 30
W31	6 14 14	4♑41'03	15♋22	9♐31	7♒ 6	1♌27	0♑27	7♑31	20♊53	6♐37	19♎ 6	11♐57	10♐54	5♊40	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	21s15	22n33	0s 4	22s38	0n32	25s20	1s35	22n31	2n59	23s50	0s15	23s54	0s13	23n48	0n16	20s18	1n13	6n18	14n44	22s31	22s35	21n48			n.a.
T 2	21 26	22 29	1 9	22 15	0 52	25 21	1 36	22 32	3 1	23 51	0 15	23 54	0 13	23 47	0 16	20 19	1 13	6 18	14 44	22 31	22 35	21 48			n.a.
W 3	21 37	21 24	2 12	21 50	1 12	25 21	1 37	22 33	3 3	23 51	0 15	23 54	0 13	23 47	0 17	20 19	1 13	6 18	14 44	22 31	22 35	21 49			n.a.
T 4	21 48	19 21	3 9	21 25	1 31	25 20	1 38	22 34	3 6	23 52	0 15	23 54	0 13	23 47	0 17	20 20	1 13	6 17	14 45	22 31	22 34	21 49			n.a.
F 5	21 58	16 25	3 59	20 58	1 51	25 18	1 39	22 35	3 8	23 53	0 15	23 53	0 13	23 47	0 17	20 20	1 13	6 17	14 45	22 31	22 34	21 49			n.a.
S 6	22 7	12 43	4 38	20 31	2 9	25 16	1 40	22 36	3 11	23 54	0 15	23 53	0 13	23 47	0 17	20 20	1 13	6 16	14 45	22 31	22 33	21 50			n.a.
S 7	22 17	8 24	5 5	20 4	2 26	25 13	1 41	22 38	3 13	23 54	0 15	23 53	0 13	23 47	0 17	20 21	1 13	6 16	14 46	22 31	22 33	21 50			n.a.
M 8	22 25	3 36	5 18	19 38	2 41	25 9	1 41	22 40	3 15	23 55	0 15	23 53	0 13	23 47	0 17	20 21	1 13	6 16	14 46	22 31	22 32	21 51			n.a.
T 9	22 34	1s30	5 14	19 14	2 54	25 4	1 42	22 42	3 18	23 56	0 16	23 53	0 13	23 46	0 17	20 22	1 13	6 16	14 46	22 31	22 32	21 51			n.a.
W10	22 42	6 41	4 52	18 51	3 4	24 58	1 42	22 44	3 20	23 56	0 16	23 52	0 13	23 46	0 17	20 22	1 13	6 15	14 47	22 31	22 32	21 52			n.a.
T 11	22 49	11 41	4 12	18 31	3 12	24 52	1 43	22 46	3 23	23 57	0 16	23 52	0 13	23 46	0 17	20 22	1 13	6 15	14 47	22 31	22 31	21 52			n.a.
F 12	22 56	16 10	3 15	18 15	3 18	24 45	1 43	22 49	3 25	23 57	0 16	23 52	0 13	23 46	0 17	20 23	1 13	6 15	14 47	22 31	22 31	21 53			n.a.
S 13	23 3	19 44	2 4	18 1	3 21	24 37	1 44	22 51	3 28	23 58	0 16	23 52	0 13	23 46	0 17	20 23	1 13	6 14	14 48	22 32	22 30	21 53			n.a.
S 14	23 9	21 59	0 43	17 51	3 22	24 29	1 44	22 54	3 30	23 58	0 16	23 52	0 13	23 46	0 17	20 24	1 13	6 14	14 48	22 32	22 30	21 53			n.a.
M15	23 14	22 38	0n42	17 45	3 22	24 19	1 44	22 57	3 33	23 59	0 16	23 51	0 13	23 45	0 17	20 24	1 13	6 14	14 48	22 32	22 29	21 54			n.a.
T 16	23 19	21 38	2 3	17 41	3 19	24 9	1 44	23 1	3 35	23 59	0 16	23 51	0 14	23 45	0 17	20 24	1 13	6 14	14 49	22 31	22 29	21 54			n.a.
W17	23 24	19 7	3 14	17 41	3 15	23 59	1 44	23 4	3 38	24 0	0 16	23 51	0 14	23 45	0 17	20 25	1 13	6 14	14 49	22 31	22 29	21 55			n.a.
T 18	23 28	15 27	4 11	17 44	3 10	23 47	1 44	23 8	3 40	24 0	0 16	23 51	0 14	23 45	0 17	20 25	1 13	6 14	14 50	22 31	22 28	21 55			n.a.
F 19	23 32	11 0	4 51	17 50	3 4	23 35	1 44	23 11	3 43	24 0	0 17	23 50	0 14	23 45	0 17	20 25	1 13	6 13	14 50	22 31	22 28	21 55			n.a.
S 20	23 35	6 9	5 12	17 58	2 57	23 22	1 44	23 15	3 45	24 1	0 17	23 50	0 14	23 45	0 17	20 26	1 13	6 13	14 50	22 31	22 27	21 56			n.a.
S 21	23 38	1 10	5 17	18 9	2 49	23 9	1 44	23 20	3 48	24 1	0 17	23 50	0 14	23 45	0 17	20 26	1 13	6 13	14 51	22 31	22 27	21 56			n.a.
M22	23 41	3n42	5 6	18 21	2 41	22 54	1 43	23 24	3 50	24 1	0 17	23 50	0 14	23 44	0 17	20 27	1 13	6 13	14 51	22 31	22 26	21 57			n.a.
T 23	23 42	8 19	4 40	18 35	2 32	22 39	1 43	23 28	3 52	24 2	0 17	23 49	0 14	23 44	0 17	20 27	1 13	6 13	14 52	22 31	22 26	21 57			n.a.
W24	23 44	12 29	4 3	18 50	2 23	22 24	1 42	23 33	3 55	24 2	0 17	23 49	0 14	23 44	0 17	20 27	1 13	6 13	14 52	22 31	22 25	21 57			n.a.
T 25	23 45	16 7	3 15	19 6	2 13	22 8	1 42	23 38	3 57	24 2	0 17	23 49	0 14	23 44	0 17	20 28	1 13	6 13	14 52	22 31	22 25	21 58			n.a.
F 26	23 45	19 3	2 19	19 23	2 4	21 51	1 41	23 43	3 59	24 2	0 17	23 48	0 14	23 44	0 17	20 28	1 13	6 13	14 53	22 31	22 25	21 58			n.a.
S 27	23 45	21 11	1 18	19 41	1 54	21 33	1 40	23 48	4 2	24 3	0 17	23 48	0 14	23 44	0 17	20 28	1 13	6 13	14 53	22 32	22 24	21 58			n.a.
S 28	23 45	22 24	0 14	20 0	1 44	21 15	1 39	23 53	4 4	24 3	0 18	23 48	0 14	23 43	0 17	20 29	1 13	6 13	14 54	22 32	22 24	21 59			n.a.
M29	23 44	22 37	0s52	20 18	1 35	20 56	1 38	23 59	4 6	24 3	0 18	23 47	0 14	23 43	0 17	20 29	1 13	6 13	14 54	22 32	22 23	21 59			n.a.
T 30	23 42	21 48	1 55	20 37	1 25	20 37	1 37	24 4	4 8	24 3	0 18	23 47	0 15	23 43	0 17	20 29	1 13	6 13	14 55	22 31	22 23	21 59			n.a.
W31	23s40	19n59	2s54	20s56	1n15	20s17	1s36	24n10	4n10	24s 3	0s18	23s47	0s15	23n43	0n17	20s30	1n13	6n13	14n55	22s31	22s22	22n 0			n.a.

Julian Day Number = 1544976.5, Delta T = 04h34m57s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'40, Lahiri = -10°37'40 Julian Calendar 1 Dec. 484 BCE == Greg. Calendar 26 Nov. 484 BCE

The year -483 astronomical counting style corresponds to year 484 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

JANUARY 483 BCE (-482) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 18 11	5♉41'56	27♋34	10♐34	8♒19	1°R11	0♉41	7♉38	20°R51	6♐39	19♎ 7	11°R54	10♐51	5♊47	n.a.	T 1
F 2	6 22 7	6°42'48	9♌57	11°40	9°33	0♌55	0°55	7°45	20♊48	6°41	19° 8	11♐49	10°48	5°54	n.a.	F 2
S 3	6 26 4	7°43'39	22°31	12°47	10°46	0°37	1° 9	7°53	20°46	6°43	19° 9	11°45	10°45	6° 0	n.a.	S 3
S 4	6 30 0	8°44'28	5♍18	13°57	11°59	0°20	1°23	8° 0	20°43	6°45	19°10	11°41	10°42	6° 7	n.a.	S 4
M 5	6 33 57	9°45'16	18°20	15° 8	13°12	0° 1	1°38	8° 7	20°41	6°47	19°10	11°38	10°38	6°14	n.a.	M 5
T 6	6 37 53	10°46'03	1♎38	16°22	14°26	29♋42	1°52	8°14	20°38	6°49	19°11	11°36	10°35	6°20	n.a.	T 6
W 7	6 41 50	11°46'49	15°15	17°37	15°39	29°22	2° 6	8°21	20°36	6°51	19°12	11°D36	10°32	6°27	n.a.	W 7
T 8	6 45 47	12°47'34	29°11	18°53	16°52	29° 2	2°20	8°29	20°33	6°53	19°13	11°37	10°29	6°34	n.a.	T 8
F 9	6 49 43	13°48'18	13♏25	20°11	18° 5	28°41	2°34	8°36	20°31	6°54	19°13	11°38	10°26	6°40	n.a.	F 9
S 10	6 53 40	14°49'00	27°58	21°31	19°18	28°19	2°48	8°43	20°29	6°56	19°14	11°40	10°23	6°47	n.a.	S 10
S 11	6 57 36	15°49'42	12♐44	22°52	20°30	27°58	3° 2	8°50	20°27	6°58	19°14	11°R40	10°19	6°53	n.a.	S 11
M12	7 1 33	16°50'22	27°38	24°14	21°43	27°36	3°16	8°57	20°24	7° 0	19°15	11°39	10°16	7° 0	n.a.	M12
T 13	7 5 29	17°51'00	12♉33	25°37	22°56	27°13	3°30	9° 4	20°22	7° 2	19°16	11°37	10°13	7° 7	n.a.	T 13
W14	7 9 26	18°51'37	27°21	27° 1	24° 9	26°50	3°44	9°12	20°20	7° 4	19°16	11°32	10°10	7°13	n.a.	W14
T 15	7 13 22	19°52'11	11♒53	28°26	25°21	26°27	3°58	9°19	20°18	7° 6	19°16	11°26	10° 7	7°20	n.a.	T 15
F 16	7 17 19	20°52'44	26° 4	29°53	26°34	26° 4	4°12	9°26	20°15	7° 7	19°17	11°20	10° 3	7°27	n.a.	F 16
S 17	7 21 16	21°53'16	9♓48	1♉21	27°46	25°40	4°26	9°33	20°13	7° 9	19°17	11°13	10° 0	7°33	n.a.	S 17
S 18	7 25 12	22°53'45	23° 5	2°49	28°59	25°16	4°40	9°40	20°11	7°11	19°18	11° 8	9°57	7°40	n.a.	S 18
M19	7 29 9	23°54'12	5♈57	4°19	0♓11	24°52	4°54	9°47	20° 9	7°13	19°18	11° 5	9°54	7°47	n.a.	M19
T 20	7 33 5	24°54'37	18°25	5°49	1°23	24°29	5° 8	9°54	20° 7	7°14	19°18	11° 3	9°51	7°53	n.a.	T 20
W21	7 37 2	25°55'00	0♉36	7°21	2°35	24° 5	5°22	10° 1	20° 5	7°16	19°18	11°D 3	9°48	8° 0	n.a.	W21
T 22	7 40 58	26°55'20	12°33	8°54	3°47	23°41	5°35	10° 8	20° 3	7°18	19°19	11° 4	9°44	8° 7	n.a.	T 22
F 23	7 44 55	27°55'39	24°22	10°27	4°59	23°17	5°49	10°15	20° 1	7°19	19°19	11° 5	9°41	8°13	n.a.	F 23
S 24	7 48 51	28°55'56	6♊ 9	12° 2	6°11	22°54	6° 3	10°22	19°59	7°21	19°19	11°R 6	9°38	8°20	n.a.	S 24
S 25	7 52 48	29°56'11	17°57	13°38	7°23	22°30	6°16	10°29	19°58	7°22	19°19	11° 6	9°35	8°27	n.a.	S 25
M26	7 56 45	0♒56'23	29°51	15°14	8°34	22° 7	6°30	10°36	19°56	7°24	19°19	11° 4	9°32	8°33	n.a.	M26
T 27	8 0 41	1°56'34	11♋54	16°52	9°46	21°44	6°44	10°43	19°54	7°25	19°R19	11° 0	9°29	8°40	n.a.	T 27
W28	8 4 38	2°56'42	24° 9	18°31	10°57	21°22	6°57	10°50	19°52	7°27	19°19	10°53	9°25	8°46	n.a.	W28
T 29	8 8 34	3°56'48	6♌37	20°11	12° 9	20°59	7°11	10°57	19°51	7°28	19°19	10°45	9°22	8°53	n.a.	T 29
F 30	8 12 31	4°56'53	19°17	21°51	13°20	20°37	7°24	11° 4	19°49	7°30	19°19	10°35	9°19	9° 0	n.a.	F 30
S 31	8 16 27	5♒56'55	2♍11	23♉33	14♓31	20♋16	7♉37	11♉10	19♊47	7♐31	19♎19	10♐24	9♐16	9♊ 6	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23s38	17n14	3s45	21s15	1n 6	19s57	1s35	24n15	4n12	24s 3	0s18	23s46	0s15	23n43	0n17	20s30	1n13	6n13	14n55	22s31	22s22	22n 0			n.a.
F 2	23 35	13 42	4 27	21 33	0 56	19 36	1 34	24 21	4 14	24 3	0 18	23 46	0 15	23 43	0 17	20 31	1 13	6 13	14 56	22 30	22 21	22 0			n.a.
S 3	23 31	9 31	4 57	21 51	0 47	19 15	1 32	24 27	4 16	24 3	0 18	23 46	0 15	23 42	0 17	20 31	1 13	6 13	14 56	22 29	22 21	22 1			n.a.
S 4	23 28	4 52	5 12	22 9	0 37	18 53	1 31	24 32	4 18	24 3	0 18	23 45	0 15	23 42	0 17	20 31	1 13	6 13	14 57	22 29	22 21	22 1			n.a.
M 5	23 23	0s 6	5 12	22 27	0 28	18 30	1 29	24 38	4 20	24 3	0 18	23 45	0 15	23 42	0 17	20 31	1 13	6 13	14 57	22 28	22 20	22 1			n.a.
T 6	23 19	5 10	4 55	22 43	0 19	18 7	1 28	24 44	4 22	24 3	0 18	23 45	0 15	23 42	0 17	20 32	1 13	6 13	14 58	22 28	22 20	22 2			n.a.
W 7	23 13	10 6	4 22	22 59	0 11	17 44	1 26	24 50	4 23	24 3	0 19	23 44	0 15	23 42	0 17	20 32	1 13	6 14	14 58	22 28	22 19	22 2			n.a.
T 8	23 8	14 37	3 32	23 15	0 2	17 20	1 24	24 56	4 25	24 3	0 19	23 44	0 15	23 41	0 17	20 32	1 13	6 14	14 59	22 28	22 19	22 2			n.a.
F 9	23 2	18 26	2 29	23 29	0s 6	16 55	1 23	25 2	4 26	24 2	0 19	23 43	0 15	23 41	0 17	20 33	1 13	6 14	14 59	22 29	22 18	22 2			n.a.
S 10	22 55	21 10	1 14	23 43	0 14	16 30	1 21	25 8	4 28	24 2	0 19	23 43	0 15	23 41	0 17	20 33	1 13	6 14	14 59	22 29	22 18	22 3			n.a.
S 11	22 48	22 32	0n 6	23 56	0 22	16 5	1 19	25 14	4 29	24 2	0 19	23 43	0 15	23 41	0 17	20 33	1 13	6 14	15 0	22 29	22 17	22 3			n.a.
M12	22 41	22 18	1 26	24 7	0 30	15 39	1 17	25 19	4 30	24 2	0 19	23 42	0 16	23 41	0 17	20 34	1 13	6 14	15 0	22 29	22 17	22 3			n.a.
T 13	22 33	20 29	2 41	24 18	0 37	15 13	1 15	25 25	4 31	24 2	0 19	23 42	0 16	23 41	0 17	20 34	1 13	6 15	15 1	22 28	22 16	22 3			n.a.
W14	22 24	17 19	3 44	24 28	0 45	14 47	1 12	25 31	4 32	24 1	0 19	23 41	0 16	23 41	0 17	20 34	1 13	6 15	15 1	22 28	22 16	22 4			n.a.
T 15	22 16	13 7	4 31	24 36	0 51	14 20	1 10	25 36	4 33	24 1	0 20	23 41	0 16	23 40	0 17	20 35	1 13	6 15	15 2	22 27	22 15	22 4			n.a.
F 16	22 6	8 18	5 0	24 43	0 58	13 53	1 8	25 42	4 34	24 1	0 20	23 41	0 16	23 40	0 17	20 35	1 13	6 15	15 2	22 26	22 15	22 4			n.a.
S 17	21 57	3 13	5 10	24 49	1 5	13 25	1 5	25 47	4 35	24 0	0 20	23 40	0 16	23 40	0 17	20 35	1 13	6 16	15 3	22 25	22 14	22 4			n.a.
S 18	21 47	1n52	5 4	24 54	1 11	12 58	1 3	25 52	4 35	24 0	0 20	23 40	0 16	23 40	0 17	20 35	1 13	6 16	15 3	22 24	22 14	22 5			n.a.
M19	21 36	6 42	4 42	24 57	1 17	12 29	1 0	25 57	4 36	24 0	0 20	23 39	0 16	23 40	0 17	20 36	1 13	6 16	15 4	22 24	22 14	22 5			n.a.
T 20	21 26	11 7	4 7	24 59	1 22	12 1	0 57	26 2	4 36	23 59	0 20	23 39	0 16	23 40	0 17	20 36	1 13	6 17	15 4	22 24	22 13	22 5			n.a.
W21	21 14	14 58	3 22	25 0	1 27	11 32	0 55	26 6	4 36	23 59	0 20	23 38	0 16	23 39	0 17	20 36	1 13	6 17	15 4	22 24	22 13	22 5			n.a.
T 22	21 3	18 10	2 29	24 59	1 32	11 3	0 52	26 11	4 36	23 58	0 20	23 38	0 16	23 39	0 17	20 36	1 13	6 17	15 5	22 24	22 12	22 6			n.a.
F 23	20 51	20 33	1 29	24 57	1 37	10 34	0 49	26 15	4 36	23 58	0 21	23 37	0 16	23 39	0 17	20 37	1 13	6 18	15 5	22 24	22 12	22 6			n.a.
S 24	20 38	22 3	0 27	24 53	1 41	10 4	0 46	26 19	4 36	23 57	0 21	23 37	0 17	23 39	0 17	20 37	1 13	6 18	15 6	22 24	22 11	22 6			n.a.
S 25	20 26	22 35	0s37	24 47	1 45	9 35	0 43	26 23	4 36	23 57	0 21	23 36	0 17	23 39	0 17	20 37	1 13	6 19	15 6	22 24	22 11	22 6			n.a.
M26	20 13	22 6	1 40	24 40	1 49	9 5	0 40	26 27	4 36	23 56	0 21	23 36	0 17	23 39	0 17	20 37	1 13	6 19	15 7	22 24	22 10	22 6			n.a.
T 27	19 59	20 35	2 38	24 32	1 52	8 35	0 37	26 30	4 35	23 56	0 21	23 36	0 17	23 39	0 17	20 38	1 13	6 19	15 7	22 23	22 10	22 6			n.a.
W28	19 45	18 7	3 31	24 21	1 55	8 4	0 34	26 33	4 35	23 55	0 21	23 35	0 17	23 38	0 17	20 38	1 14	6 20	15 8	22 22	22 9	22 7			n.a.
T 29	19 31	14 46	4 14	24 9	1 58	7 34	0 31	26 36	4 34	23 55	0 21	23 35	0 17	23 38	0 17	20 38	1 14	6 20	15 8	22 21	22 9	22 7			n.a.
F 30	19 17	10 43	4 45	23 55	2 0	7 3	0 27	26 39	4 34	23 54	0 21	23 34	0 17	23 38	0 17	20 38	1 14	6 21	15 9	22 20	22 8	22 7			n.a.
S 31	19s 2	6n 8	5s 2	23s40	2s 2	6s32	0s24	26n42	4n33	23s53	0s22	23s34	0s17	23n38	0n17	20s38	1n14	6n21	15n 9	22s18	22s 8	22n 7			n.a.

Julian Day Number = 1545007.5, Delta T = 04h34m56s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'36, Lahiri = -10°37'35 Julian Calendar 1 Jan. 483 BCE == Greg. Calendar 27 Dec. 484 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

FEBRUARY 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 20 24	6♒56'55	15♍18	25♑16	15♓42	19°R55	7♑51	11♑17	19°R46	7♐33	19°R19	10°R15	9♐13	9♊13	n.a.	S 1
M 2	8 24 20	7°56'54	28°36	27° 0	16°53	19♋34	8° 4	11°24	19♊44	7°34	19♎18	10♐ 7	9° 9	9°20	n.a.	M 2
T 3	8 28 17	8°56'51	12♎ 6	28°46	18° 4	19°14	8°17	11°31	19°43	7°35	19°18	10° 2	9° 6	9°26	n.a.	T 3
W 4	8 32 14	9°56'46	25°47	0♒32	19°14	18°55	8°31	11°37	19°41	7°37	19°18	9°58	9° 3	9°33	n.a.	W 4
T 5	8 36 10	10°56'39	9♏39	2°19	20°25	18°36	8°44	11°44	19°40	7°38	19°18	9°D58	9° 0	9°40	n.a.	T 5
F 6	8 40 7	11°56'31	23°42	4° 8	21°35	18°18	8°57	11°50	19°39	7°39	19°17	9°58	8°57	9°46	n.a.	F 6
S 7	8 44 3	12°56'21	7♐55	5°58	22°46	18° 0	9°10	11°57	19°38	7°40	19°17	9°R58	8°54	9°53	n.a.	S 7
S 8	8 48 0	13°56'09	22°18	7°48	23°56	17°43	9°23	12° 4	19°36	7°41	19°17	9°58	8°50	10° 0	n.a.	S 8
M 9	8 51 56	14°55'55	6♑47	9°40	25° 6	17°26	9°36	12°10	19°35	7°43	19°16	9°55	8°47	10° 6	n.a.	M 9
T 10	8 55 53	15°55'40	21°17	11°34	26°16	17°11	9°49	12°16	19°34	7°44	19°16	9°50	8°44	10°13	n.a.	T 10
W11	8 59 49	16°55'22	5♒44	13°28	27°26	16°56	10° 1	12°23	19°33	7°45	19°15	9°42	8°41	10°19	n.a.	W11
T 12	9 3 46	17°55'02	20° 1	15°23	28°36	16°42	10°14	12°29	19°32	7°46	19°15	9°32	8°38	10°26	n.a.	T 12
F 13	9 7 42	18°54'40	4♓ 1	17°20	29°45	16°28	10°27	12°35	19°31	7°47	19°14	9°20	8°34	10°33	n.a.	F 13
S 14	9 11 39	19°54'16	17°40	19°17	0♈55	16°16	10°39	12°42	19°30	7°48	19°14	9° 9	8°31	10°39	n.a.	S 14
S 15	9 15 36	20°53'49	0♈57	21°16	2° 4	16° 4	10°52	12°48	19°29	7°49	19°13	8°59	8°28	10°46	n.a.	S 15
M16	9 19 32	21°53'20	13°49	23°15	3°13	15°53	11° 4	12°54	19°28	7°50	19°12	8°51	8°25	10°53	n.a.	M16
T 17	9 23 29	22°52'49	26°20	25°15	4°22	15°42	11°17	13° 0	19°27	7°51	19°12	8°45	8°22	10°59	n.a.	T 17
W18	9 27 25	23°52'15	8♉33	27°16	5°31	15°33	11°29	13° 6	19°27	7°52	19°11	8°42	8°19	11° 6	n.a.	W18
T 19	9 31 22	24°51'39	20°31	29°17	6°40	15°24	11°41	13°12	19°26	7°53	19°10	8°D41	8°15	11°13	n.a.	T 19
F 20	9 35 18	25°51'01	2♊22	1♓18	7°48	15°16	11°54	13°18	19°25	7°53	19° 9	8°R41	8°12	11°19	n.a.	F 20
S 21	9 39 15	26°50'20	14° 9	3°20	8°56	15° 9	12° 6	13°24	19°25	7°54	19° 8	8°41	8° 9	11°26	n.a.	S 21
S 22	9 43 11	27°49'37	25°59	5°21	10° 5	15° 2	12°18	13°30	19°24	7°55	19° 8	8°40	8° 6	11°33	n.a.	S 22
M23	9 47 8	28°48'51	7♋57	7°23	11°13	14°57	12°30	13°36	19°24	7°56	19° 7	8°37	8° 3	11°39	n.a.	M23
T 24	9 51 5	29°48'03	20° 6	9°23	12°20	14°52	12°42	13°42	19°23	7°56	19° 6	8°31	8° 0	11°46	n.a.	T 24
W25	9 55 1	0♓47'13	2♌31	11°22	13°28	14°48	12°53	13°47	19°23	7°57	19° 5	8°23	7°56	11°53	n.a.	W25
T 26	9 58 58	1°46'20	15°13	13°20	14°35	14°45	13° 5	13°53	19°23	7°58	19° 4	8°12	7°53	11°59	n.a.	T 26
F 27	10 2 54	2°45'25	28°12	15°16	15°43	14°42	13°17	13°59	19°23	7°58	19° 3	7°59	7°50	12° 6	n.a.	F 27
S 28	10 6 51	3♓44'28	11♍28	17♓10	16♈50	14♋41	13♑28	14♑ 4	19♊22	7♐59	19♎ 2	7♐46	7♐47	12♊12	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s47	1n12	5s 4	23s23	2s 3	6s 1	0s20	26n44	4n32	23s53	0s22	23s33	0s17	23n38	0n17	20s39	1n14	6n22	15n 9	22s17	22s 7	22n 7			n.a.
M 2	18 31	3s52	4 50	23 3	2 4	5 30	0 17	26 46	4 31	23 52	0 22	23 33	0 17	23 38	0 17	20 39	1 14	6 22	15 10	22 16	22 7	22 7			n.a.
T 3	18 15	8 49	4 19	22 42	2 4	4 59	0 13	26 48	4 30	23 51	0 22	23 32	0 17	23 38	0 17	20 39	1 14	6 23	15 10	22 15	22 6	22 8			n.a.
W 4	17 59	13 24	3 34	22 19	2 4	4 28	0 10	26 50	4 29	23 51	0 22	23 32	0 17	23 38	0 17	20 39	1 14	6 23	15 11	22 14	22 6	22 8			n.a.
T 5	17 43	17 20	2 35	21 55	2 4	3 56	0 6	26 51	4 27	23 50	0 22	23 31	0 18	23 37	0 17	20 39	1 14	6 24	15 11	22 14	22 5	22 8			n.a.
F 6	17 26	20 20	1 26	21 28	2 3	3 25	0 2	26 52	4 26	23 49	0 22	23 31	0 18	23 37	0 17	20 40	1 14	6 24	15 12	22 14	22 5	22 8			n.a.
S 7	17 9	22 6	0 11	21 0	2 2	2 53	0n 1	26 54	4 25	23 48	0 23	23 30	0 18	23 37	0 17	20 40	1 14	6 25	15 12	22 14	22 4	22 8			n.a.
S 8	16 52	22 26	1n 5	20 29	2 0	2 22	0 5	26 54	4 23	23 48	0 23	23 30	0 18	23 37	0 17	20 40	1 14	6 25	15 13	22 14	22 4	22 8			n.a.
M 9	16 34	21 17	2 18	19 57	1 57	1 50	0 9	26 55	4 22	23 47	0 23	23 29	0 18	23 37	0 17	20 40	1 14	6 26	15 13	22 14	22 3	22 8			n.a.
T 10	16 16	18 44	3 21	19 22	1 55	1 19	0 13	26 56	4 20	23 46	0 23	23 29	0 18	23 37	0 17	20 40	1 14	6 26	15 13	22 13	22 3	22 8			n.a.
W11	15 58	15 1	4 12	18 46	1 51	0 47	0 17	26 56	4 18	23 45	0 23	23 28	0 18	23 37	0 17	20 40	1 14	6 27	15 14	22 12	22 2	22 9			n.a.
T 12	15 40	10 29	4 45	18 8	1 47	0 15	0 21	26 56	4 16	23 44	0 23	23 28	0 18	23 37	0 17	20 41	1 14	6 27	15 14	22 10	22 2	22 9			n.a.
F 13	15 21	5 30	5 1	17 28	1 42	0n16	0 25	26 56	4 15	23 43	0 23	23 27	0 18	23 37	0 17	20 41	1 14	6 28	15 15	22 8	22 1	22 9			n.a.
S 14	15 2	0 21	4 59	16 46	1 37	0 48	0 29	26 56	4 13	23 43	0 24	23 27	0 18	23 37	0 17	20 41	1 14	6 29	15 15	22 7	22 1	22 9			n.a.
S 15	14 43	4n40	4 41	16 2	1 31	1 20	0 33	26 55	4 11	23 42	0 24	23 26	0 18	23 37	0 17	20 41	1 14	6 29	15 15	22 5	22 0	22 9			n.a.
M16	14 24	9 20	4 9	15 17	1 25	1 51	0 37	26 55	4 9	23 41	0 24	23 26	0 19	23 37	0 17	20 41	1 14	6 30	15 16	22 4	22 0	22 9			n.a.
T 17	14 4	13 28	3 25	14 30	1 18	2 23	0 41	26 54	4 7	23 40	0 24	23 25	0 19	23 36	0 17	20 41	1 14	6 30	15 16	22 3	21 59	22 9			n.a.
W18	13 44	16 57	2 33	13 41	1 11	2 54	0 45	26 53	4 5	23 39	0 24	23 25	0 19	23 36	0 17	20 41	1 14	6 31	15 17	22 3	21 59	22 9			n.a.
T 19	13 24	19 38	1 35	12 51	1 3	3 26	0 49	26 52	4 3	23 38	0 24	23 24	0 19	23 36	0 17	20 41	1 14	6 32	15 17	22 2	21 58	22 9			n.a.
F 20	13 4	21 27	0 34	11 59	0 54	3 57	0 53	26 51	4 1	23 37	0 24	23 24	0 19	23 36	0 17	20 41	1 14	6 32	15 17	22 2	21 58	22 9			n.a.
S 21	12 44	22 19	0s29	11 6	0 45	4 28	0 57	26 50	3 59	23 36	0 25	23 23	0 19	23 36	0 17	20 42	1 14	6 33	15 18	22 2	21 57	22 9			n.a.
S 22	12 23	22 11	1 31	10 12	0 35	4 59	1 2	26 49	3 57	23 35	0 25	23 23	0 19	23 36	0 17	20 42	1 14	6 34	15 18	22 2	21 57	22 9			n.a.
M23	12 2	21 2	2 29	9 18	0 25	5 30	1 6	26 47	3 55	23 34	0 25	23 22	0 19	23 36	0 17	20 42	1 14	6 34	15 18	22 2	21 56	22 9			n.a.
T 24	11 41	18 55	3 21	8 22	0 14	6 1	1 10	26 46	3 52	23 33	0 25	23 22	0 19	23 36	0 17	20 42	1 14	6 35	15 19	22 1	21 56	22 9			n.a.
W25	11 20	15 53	4 4	7 26	0 3	6 31	1 14	26 44	3 50	23 32	0 25	23 21	0 19	23 36	0 17	20 42	1 14	6 36	15 19	21 59	21 55	22 9			n.a.
T 26	10 59	12 4	4 37	6 30	0n 9	7 2	1 18	26 42	3 48	23 31	0 25	23 21	0 20	23 36	0 17	20 42	1 14	6 36	15 19	21 58	21 55	22 9			n.a.
F 27	10 38	7 38	4 56	5 34	0 20	7 32	1 23	26 40	3 46	23 30	0 26	23 20	0 20	23 36	0 17	20 42	1 14	6 37	15 20	21 56	21 54	22 9			n.a.
S 28	10s16	2n44	5s 0	4s38	0n32	8n 2	1n27	26n38	3n44	23s29	0s26	23s20	0s20	23n36	0n17	20s42	1n14	6n38	15n20	21s54	21s54	22n 9			n.a.

Julian Day Number = 1545038.5, Delta T = 04h34m55s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'32, Lahiri = -10°37'31 Julian Calendar 1 Feb. 483 BCE == Greg. Calendar 27 Jan. 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

MARCH 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 10 47	4♓43'28	24♍59	19♓ 1	17♈56	14°R40	13♑40	14♑ 9	19°R22	7♐59	19°R 1	7°R34	7♐44	12♊19	n.a.	S 1
M 2	10 14 44	5°42'27	8♎42	20°49	19° 3	14°D39	13°51	14°15	19♊22	8° 0	19♎ 0	7♐24	7°40	12°26	n.a.	M 2
T 3	10 18 40	6°41'23	22°33	22°34	20° 9	14♋40	14° 2	14°20	19°D22	8° 0	18°59	7°16	7°37	12°32	n.a.	T 3
W 4	10 22 37	7°40'18	6♏31	24°16	21°16	14°41	14°13	14°25	19°22	8° 1	18°58	7°12	7°34	12°39	n.a.	W 4
T 5	10 26 33	8°39'11	20°33	25°53	22°22	14°43	14°24	14°31	19°22	8° 1	18°56	7° 9	7°31	12°46	n.a.	T 5
F 6	10 30 30	9°38'02	4♐37	27°26	23°27	14°46	14°35	14°36	19°22	8° 1	18°55	7° 9	7°28	12°52	n.a.	F 6
S 7	10 34 27	10°36'51	18°43	28°54	24°33	14°49	14°46	14°41	19°22	8° 2	18°54	7° 9	7°25	12°59	n.a.	S 7
S 8	10 38 23	11°35'39	2♑51	0♈17	25°38	14°53	14°57	14°46	19°23	8° 2	18°53	7° 8	7°21	13° 6	n.a.	S 8
M 9	10 42 20	12°34'25	16°58	1°35	26°43	14°58	15° 8	14°51	19°23	8° 2	18°52	7° 5	7°18	13°12	n.a.	M 9
T 10	10 46 16	13°33'09	1♒ 3	2°48	27°48	15° 3	15°18	14°56	19°23	8° 2	18°50	6°59	7°15	13°19	n.a.	T 10
W11	10 50 13	14°31'51	15° 3	3°56	28°53	15° 9	15°29	15° 1	19°24	8° 3	18°49	6°50	7°12	13°26	n.a.	W11
T 12	10 54 9	15°30'30	28°55	4°57	29°57	15°16	15°39	15° 5	19°24	8° 3	18°48	6°39	7° 9	13°32	n.a.	T 12
F 13	10 58 6	16°29'08	12♓33	5°53	1♉ 1	15°24	15°50	15°10	19°25	8° 3	18°47	6°27	7° 6	13°39	n.a.	F 13
S 14	11 2 2	17°27'44	25°56	6°43	2° 5	15°32	16° 0	15°15	19°25	8° 3	18°45	6°15	7° 2	13°45	n.a.	S 14
S 15	11 5 59	18°26'18	9♈ 0	7°27	3° 8	15°40	16°10	15°19	19°26	8° 3	18°44	6° 3	6°59	13°52	n.a.	S 15
M16	11 9 56	19°24'50	21°45	8° 5	4°12	15°49	16°20	15°23	19°26	8°R 3	18°42	5°54	6°56	13°59	n.a.	M16
T 17	11 13 52	20°23'19	4♉12	8°37	5°14	15°59	16°29	15°28	19°27	8° 3	18°41	5°48	6°53	14° 5	n.a.	T 17
W18	11 17 49	21°21'47	16°23	9° 3	6°17	16°10	16°39	15°32	19°28	8° 3	18°40	5°44	6°50	14°12	n.a.	W18
T 19	11 21 45	22°20'12	28°21	9°22	7°19	16°21	16°49	15°36	19°29	8° 3	18°38	5°42	6°46	14°19	n.a.	T 19
F 20	11 25 42	23°18'35	10♊12	9°36	8°21	16°32	16°58	15°40	19°30	8° 3	18°37	5°D42	6°43	14°25	n.a.	F 20
S 21	11 29 38	24°16'56	22° 0	9°44	9°23	16°44	17° 8	15°45	19°31	8° 3	18°35	5°R43	6°40	14°32	n.a.	S 21
S 22	11 33 35	25°15'15	3♋51	9°R45	10°24	16°57	17°17	15°48	19°31	8° 3	18°34	5°42	6°37	14°39	n.a.	S 22
M23	11 37 31	26°13'31	15°50	9°41	11°25	17°10	17°26	15°52	19°33	8° 2	18°32	5°40	6°34	14°45	n.a.	M23
T 24	11 41 28	27°11'45	28° 3	9°32	12°26	17°24	17°35	15°56	19°34	8° 2	18°31	5°36	6°31	14°52	n.a.	T 24
W25	11 45 24	28° 9'57	10♌33	9°18	13°26	17°38	17°44	16° 0	19°35	8° 2	18°29	5°30	6°27	14°59	n.a.	W25
T 26	11 49 21	29° 8'07	23°23	8°58	14°26	17°53	17°53	16° 4	19°36	8° 2	18°28	5°21	6°24	15° 5	n.a.	T 26
F 27	11 53 18	0♈ 6'15	6♍35	8°35	15°25	18° 8	18° 1	16° 7	19°37	8° 1	18°26	5°11	6°21	15°12	n.a.	F 27
S 28	11 57 14	1° 4'21	20° 9	8° 7	16°24	18°24	18°10	16°11	19°38	8° 1	18°25	5° 1	6°18	15°19	n.a.	S 28
S 29	12 1 11	2° 2'25	4♎ 2	7°36	17°22	18°40	18°18	16°14	19°40	8° 1	18°23	4°51	6°15	15°25	n.a.	S 29
M30	12 5 7	3° 0'28	18° 9	7° 2	18°21	18°56	18°26	16°17	19°41	8° 0	18°21	4°42	6°11	15°32	n.a.	M30
T 31	12 9 4	3♈58'28	2♏27	6♈27	19♉18	19♋13	18♑34	16♑21	19♊42	8♐ 0	18♎20	4♐36	6♐ 8	15♊38	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	9s54	2s22	4s47	3s43	0n45	8n32	1n31	26n36	3n41	23s28	0s26	23s19	0s20	23n36	0n17	20s42	1n14	6n38	15n20	21s52	21s53	22n 9			n.a.
M 2	9 32	7 25	4 17	2 49	0 57	9 1	1 36	26 34	3 39	23 27	0 26	23 19	0 20	23 36	0 17	20 42	1 14	6 39	15 21	21 50	21 53	22 9			n.a.
T 3	9 10	12 10	3 32	1 56	1 9	9 31	1 40	26 32	3 37	23 26	0 26	23 18	0 20	23 36	0 17	20 42	1 15	6 40	15 21	21 49	21 52	22 9			n.a.
W 4	8 48	16 17	2 34	1 4	1 21	10 0	1 44	26 29	3 35	23 25	0 26	23 18	0 20	23 36	0 17	20 42	1 15	6 40	15 21	21 48	21 52	22 9			n.a.
T 5	8 26	19 31	1 27	0 14	1 33	10 29	1 48	26 27	3 33	23 24	0 27	23 17	0 20	23 36	0 17	20 42	1 15	6 41	15 22	21 47	21 51	22 9			n.a.
F 6	8 3	21 34	0 13	0n33	1 44	10 58	1 52	26 24	3 30	23 23	0 27	23 17	0 20	23 36	0 17	20 42	1 15	6 42	15 22	21 47	21 50	22 9			n.a.
S 7	7 41	22 15	1n 1	1 19	1 56	11 26	1 57	26 22	3 28	23 22	0 27	23 16	0 20	23 36	0 17	20 42	1 15	6 42	15 22	21 47	21 50	22 9			n.a.
S 8	7 18	21 32	2 11	2 3	2 6	11 54	2 1	26 19	3 26	23 21	0 27	23 16	0 21	23 36	0 17	20 42	1 15	6 43	15 22	21 47	21 49	22 9			n.a.
M 9	6 56	19 27	3 14	2 43	2 16	12 22	2 5	26 16	3 24	23 20	0 27	23 15	0 21	23 36	0 17	20 42	1 15	6 44	15 23	21 47	21 49	22 9			n.a.
T 10	6 33	16 13	4 4	3 21	2 26	12 50	2 9	26 14	3 22	23 19	0 27	23 15	0 21	23 36	0 17	20 42	1 15	6 44	15 23	21 46	21 48	22 9			n.a.
W11	6 10	12 5	4 40	3 57	2 35	13 17	2 13	26 11	3 19	23 18	0 28	23 15	0 21	23 36	0 17	20 42	1 15	6 45	15 23	21 44	21 48	22 9			n.a.
T 12	5 47	7 21	4 58	4 29	2 43	13 44	2 17	26 8	3 17	23 17	0 28	23 14	0 21	23 36	0 17	20 42	1 15	6 46	15 23	21 42	21 47	22 9			n.a.
F 13	5 24	2 20	4 59	4 58	2 50	14 11	2 21	26 5	3 15	23 16	0 28	23 14	0 21	23 36	0 17	20 42	1 15	6 47	15 24	21 40	21 47	22 9			n.a.
S 14	5 1	2n41	4 44	5 24	2 57	14 37	2 25	26 2	3 13	23 15	0 28	23 13	0 21	23 36	0 17	20 42	1 15	6 47	15 24	21 38	21 46	22 9			n.a.
S 15	4 38	7 29	4 13	5 47	3 2	15 3	2 29	25 59	3 11	23 14	0 28	23 13	0 21	23 36	0 17	20 42	1 15	6 48	15 24	21 36	21 46	22 9			n.a.
M16	4 15	11 50	3 31	6 6	3 6	15 29	2 33	25 55	3 9	23 13	0 29	23 12	0 21	23 36	0 17	20 42	1 15	6 49	15 24	21 34	21 45	22 9			n.a.
T 17	3 51	15 34	2 39	6 21	3 10	15 54	2 37	25 52	3 7	23 12	0 29	23 12	0 22	23 36	0 17	20 42	1 15	6 49	15 25	21 33	21 45	22 9			n.a.
W18	3 28	18 34	1 41	6 34	3 12	16 19	2 41	25 49	3 4	23 11	0 29	23 12	0 22	23 36	0 17	20 42	1 15	6 50	15 25	21 33	21 44	22 9			n.a.
T 19	3 5	20 41	0 39	6 42	3 13	16 43	2 45	25 45	3 2	23 10	0 29	23 11	0 22	23 36	0 17	20 42	1 15	6 51	15 25	21 32	21 43	22 9			n.a.
F 20	2 41	21 53	0s24	6 47	3 12	17 8	2 48	25 42	3 0	23 9	0 29	23 11	0 22	23 36	0 17	20 42	1 15	6 52	15 25	21 32	21 43	22 9			n.a.
S 21	2 18	22 5	1 26	6 49	3 11	17 31	2 52	25 38	2 58	23 8	0 29	23 11	0 22	23 37	0 17	20 42	1 15	6 52	15 25	21 32	21 42	22 8			n.a.
S 22	1 55	21 18	2 24	6 47	3 8	17 55	2 56	25 34	2 56	23 7	0 30	23 10	0 22	23 37	0 17	20 42	1 15	6 53	15 26	21 32	21 42	22 8			n.a.
M23	1 31	19 33	3 17	6 41	3 3	18 17	2 59	25 31	2 54	23 6	0 30	23 10	0 22	23 37	0 17	20 42	1 15	6 54	15 26	21 32	21 41	22 8			n.a.
T 24	1 8	16 53	4 1	6 32	2 58	18 40	3 3	25 27	2 52	23 5	0 30	23 9	0 22	23 37	0 17	20 42	1 15	6 54	15 26	21 31	21 41	22 8			n.a.
W25	0 44	13 24	4 36	6 20	2 51	19 2	3 6	25 23	2 50	23 4	0 30	23 9	0 22	23 37	0 17	20 42	1 15	6 55	15 26	21 30	21 40	22 8			n.a.
T 26	0 21	9 14	4 57	6 5	2 42	19 23	3 10	25 19	2 48	23 3	0 30	23 9	0 23	23 37	0 17	20 42	1 15	6 56	15 26	21 29	21 40	22 8			n.a.
F 27	0n 3	4 31	5 3	5 46	2 32	19 44	3 13	25 15	2 46	23 2	0 31	23 8	0 23	23 37	0 17	20 42	1 15	6 56	15 26	21 27	21 39	22 8			n.a.
S 28	0 26	0s32	4 53	5 25	2 21	20 5	3 16	25 11	2 44	23 1	0 31	23 8	0 23	23 37	0 17	20 42	1 15	6 57	15 26	21 25	21 39	22 8			n.a.
S 29	0 49	5 40	4 26	5 2	2 9	20 25	3 19	25 7	2 42	23 0	0 31	23 8	0 23	23 37	0 17	20 42	1 15	6 58	15 26	21 23	21 38	22 8			n.a.
M30	1 13	10 37	3 41	4 36	1 56	20 45	3 22	25 2	2 40	22 59	0 31	23 8	0 23	23 37	0 17	20 41	1 15	6 58	15 26	21 21	21 37	22 7			n.a.
T 31	1n36	15s 1	2s43	4n 8	1n42	21n 4	3n25	24n58	2n38	22s58	0s32	23s 7	0s23	23n37	0n17	20s41	1n15	6n59	15n27	21s20	21s37	22n 7			n.a.

Julian Day Number = 1545066.5, Delta T = 04h34m53s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'28, Lahiri = -10°37'27 Julian Calendar 1 March 483 BCE == Greg. Calendar 24 Feb. 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

APRIL 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 13 0	4♈56'27	16♏49	5°R49	20♉15	19♋31	18♑42	16♑24	19♊44	7°R59	18°R18	4°R33	6♐ 5	15♊45	n.a.	W 1
T 2	12 16 57	5°54'25	1♐11	5♈11	21°12	19°49	18°50	16°27	19°45	7♐59	18♎17	4°D31	6° 2	15°52	n.a.	T 2
F 3	12 20 53	6°52'21	15°30	4°33	22° 8	20° 7	18°58	16°30	19°47	7°58	18°15	4♐32	5°59	15°58	n.a.	F 3
S 4	12 24 50	7°50'16	29°42	3°56	23° 4	20°26	19° 5	16°33	19°49	7°58	18°13	4°32	5°56	16° 5	n.a.	S 4
S 5	12 28 47	8°48'10	13♑47	3°19	23°59	20°45	19°13	16°35	19°50	7°57	18°12	4°R32	5°52	16°12	n.a.	S 5
M 6	12 32 43	9°46'02	27°44	2°45	24°53	21° 4	19°20	16°38	19°52	7°56	18°10	4°31	5°49	16°18	n.a.	M 6
T 7	12 36 40	10°43'52	11♒31	2°13	25°47	21°24	19°27	16°41	19°54	7°56	18° 8	4°27	5°46	16°25	n.a.	T 7
W 8	12 40 36	11°41'42	25° 8	1°43	26°41	21°44	19°34	16°43	19°56	7°55	18° 7	4°22	5°43	16°32	n.a.	W 8
T 9	12 44 33	12°39'30	8♓35	1°18	27°34	22° 5	19°41	16°46	19°57	7°54	18° 5	4°14	5°40	16°38	n.a.	T 9
F 10	12 48 29	13°37'16	21°48	0°55	28°26	22°26	19°47	16°48	19°59	7°53	18° 3	4° 6	5°37	16°45	n.a.	F 10
S 11	12 52 26	14°35'01	4♈48	0°37	29°17	22°47	19°54	16°50	20° 1	7°53	18° 2	3°57	5°33	16°52	n.a.	S 11
S 12	12 56 22	15°32'45	17°34	0°23	0♊ 8	23° 9	20° 0	16°52	20° 3	7°52	18° 0	3°49	5°30	16°58	n.a.	S 12
M13	13 0 19	16°30'27	0♉ 4	0°13	0°59	23°31	20° 6	16°54	20° 5	7°51	17°58	3°43	5°27	17° 5	n.a.	M13
T 14	13 4 15	17°28'08	12°21	0° 8	1°48	23°53	20°13	16°56	20° 7	7°50	17°57	3°38	5°24	17°12	n.a.	T 14
W15	13 8 12	18°25'47	24°26	0°D 7	2°37	24°16	20°18	16°58	20° 9	7°49	17°55	3°36	5°21	17°18	n.a.	W15
T 16	13 12 9	19°23'25	6♊22	0°11	3°25	24°39	20°24	17° 0	20°12	7°48	17°53	3°D36	5°17	17°25	n.a.	T 16
F 17	13 16 5	20°21'01	18°11	0°19	4°12	25° 3	20°30	17° 2	20°14	7°47	17°52	3°36	5°14	17°31	n.a.	F 17
S 18	13 20 2	21°18'36	29°59	0°32	4°58	25°26	20°35	17° 3	20°16	7°47	17°50	3°38	5°11	17°38	n.a.	S 18
S 19	13 23 58	22°16'09	11♋50	0°49	5°43	25°50	20°40	17° 5	20°18	7°46	17°48	3°39	5° 8	17°45	n.a.	S 19
M20	13 27 55	23°13'40	23°49	1°11	6°28	26°15	20°45	17° 6	20°21	7°45	17°47	3°R40	5° 5	17°51	n.a.	M20
T 21	13 31 51	24°11'10	6♌ 1	1°37	7°12	26°39	20°50	17° 7	20°23	7°43	17°45	3°39	5° 2	17°58	n.a.	T 21
W22	13 35 48	25° 8'38	18°32	2° 8	7°54	27° 4	20°55	17° 9	20°25	7°42	17°43	3°37	4°58	18° 5	n.a.	W22
T 23	13 39 44	26° 6'05	1♍24	2°42	8°36	27°29	20°59	17°10	20°28	7°41	17°42	3°33	4°55	18°11	n.a.	T 23
F 24	13 43 41	27° 3'31	14°41	3°20	9°16	27°55	21° 4	17°11	20°30	7°40	17°40	3°28	4°52	18°18	n.a.	F 24
S 25	13 47 38	28° 0'55	28°23	4° 3	9°56	28°20	21° 8	17°12	20°33	7°39	17°38	3°22	4°49	18°25	n.a.	S 25
S 26	13 51 34	28°58'18	12♎28	4°48	10°34	28°46	21°12	17°12	20°35	7°38	17°37	3°17	4°46	18°31	n.a.	S 26
M27	13 55 31	29°55'40	26°53	5°38	11°11	29°12	21°16	17°13	20°38	7°37	17°35	3°13	4°42	18°38	n.a.	M27
T 28	13 59 27	0♉53'00	11♏33	6°31	11°47	29°39	21°19	17°14	20°41	7°36	17°33	3°10	4°39	18°45	n.a.	T 28
W29	14 3 24	1°50'20	26°19	7°28	12°21	0♌ 6	21°23	17°14	20°43	7°34	17°32	3°D 8	4°36	18°51	n.a.	W29
T 30	14 7 20	2♉47'39	11♐ 6	8♈28	12♊54	0♌32	21♑26	17♑15	20♊46	7♐33	17♎30	3♐ 8	4♐33	18♊58	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n59	18s34	1s33	3n40	1n26	21n22	3n28	24n54	2n37	22s57	0s32	23s 7	0s23	23n38	0n17	20s41	1n15	7n 0	15n27	21s20	21s36	22n 7		n.a.
T 2	2 23	20 57	0 18	3 10	1 11	21 40	3 31	24 49	2 35	22 56	0 32	23 7	0 23	23 38	0 17	20 41	1 15	7 0	15 27	21 19	21 36	22 7		n.a.
F 3	2 46	21 59	0n59	2 40	0 54	21 58	3 33	24 45	2 33	22 55	0 32	23 7	0 24	23 38	0 17	20 41	1 15	7 1	15 27	21 19	21 35	22 7		n.a.
S 4	3 9	21 34	2 11	2 9	0 38	22 15	3 36	24 40	2 31	22 54	0 32	23 6	0 24	23 38	0 17	20 41	1 15	7 2	15 27	21 20	21 35	22 7		n.a.
S 5	3 32	19 48	3 15	1 39	0 21	22 32	3 38	24 35	2 29	22 54	0 33	23 6	0 24	23 38	0 17	20 41	1 16	7 2	15 27	21 20	21 34	22 6		n.a.
M 6	3 55	16 52	4 6	1 10	0 4	22 48	3 40	24 30	2 27	22 53	0 33	23 6	0 24	23 38	0 17	20 41	1 16	7 3	15 27	21 19	21 34	22 6		n.a.
T 7	4 18	13 2	4 43	0 42	0s13	23 3	3 42	24 25	2 26	22 52	0 33	23 6	0 24	23 38	0 17	20 40	1 16	7 4	15 27	21 19	21 33	22 6		n.a.
W 8	4 41	8 34	5 3	0 15	0 30	23 18	3 44	24 20	2 24	22 51	0 33	23 5	0 24	23 38	0 17	20 40	1 16	7 4	15 27	21 18	21 32	22 6		n.a.
T 9	5 4	3 45	5 6	0s11	0 46	23 33	3 46	24 15	2 22	22 50	0 33	23 5	0 24	23 39	0 17	20 40	1 16	7 5	15 27	21 16	21 32	22 6		n.a.
F 10	5 27	1n10	4 52	0 34	1 1	23 46	3 48	24 10	2 20	22 50	0 34	23 5	0 24	23 39	0 17	20 40	1 16	7 6	15 27	21 15	21 31	22 5		n.a.
S 11	5 49	5 57	4 24	0 55	1 16	24 0	3 50	24 5	2 19	22 49	0 34	23 5	0 25	23 39	0 17	20 40	1 16	7 6	15 27	21 13	21 31	22 5		n.a.
S 12	6 12	10 24	3 43	1 14	1 31	24 12	3 51	23 59	2 17	22 48	0 34	23 5	0 25	23 39	0 17	20 40	1 16	7 7	15 27	21 11	21 30	22 5		n.a.
M13	6 34	14 18	2 51	1 30	1 44	24 25	3 52	23 54	2 15	22 47	0 34	23 5	0 25	23 39	0 17	20 40	1 16	7 7	15 27	21 10	21 30	22 5		n.a.
T 14	6 57	17 32	1 52	1 44	1 57	24 36	3 54	23 48	2 14	22 47	0 35	23 4	0 25	23 39	0 17	20 39	1 16	7 8	15 27	21 9	21 29	22 5		n.a.
W15	7 19	19 55	0 49	1 55	2 9	24 47	3 55	23 42	2 12	22 46	0 35	23 4	0 25	23 39	0 17	20 39	1 16	7 9	15 27	21 9	21 28	22 4		n.a.
T 16	7 41	21 24	0s15	2 3	2 20	24 58	3 55	23 37	2 10	22 45	0 35	23 4	0 25	23 40	0 17	20 39	1 16	7 9	15 27	21 9	21 28	22 4		n.a.
F 17	8 3	21 55	1 18	2 9	2 30	25 7	3 56	23 31	2 9	22 45	0 35	23 4	0 25	23 40	0 17	20 39	1 16	7 10	15 27	21 9	21 27	22 4		n.a.
S 18	8 25	21 27	2 18	2 12	2 39	25 17	3 57	23 25	2 7	22 44	0 36	23 4	0 25	23 40	0 17	20 39	1 16	7 10	15 26	21 9	21 27	22 4		n.a.
S 19	8 47	20 1	3 13	2 13	2 47	25 25	3 57	23 18	2 5	22 44	0 36	23 4	0 26	23 40	0 17	20 39	1 16	7 11	15 26	21 10	21 26	22 3		n.a.
M20	9 8	17 41	3 59	2 10	2 54	25 34	3 57	23 12	2 4	22 43	0 36	23 4	0 26	23 40	0 17	20 38	1 16	7 11	15 26	21 10	21 26	22 3		n.a.
T 21	9 30	14 33	4 36	2 6	3 0	25 41	3 57	23 6	2 2	22 43	0 36	23 4	0 26	23 40	0 17	20 38	1 16	7 12	15 26	21 9	21 25	22 3		n.a.
W22	9 51	10 42	5 1	1 58	3 5	25 48	3 57	22 59	2 1	22 42	0 36	23 4	0 26	23 41	0 17	20 38	1 16	7 12	15 26	21 9	21 24	22 3		n.a.
T 23	10 12	6 16	5 11	1 48	3 10	25 54	3 56	22 53	1 59	22 42	0 37	23 4	0 26	23 41	0 16	20 38	1 16	7 13	15 26	21 8	21 24	22 2		n.a.
F 24	10 33	1 25	5 6	1 36	3 13	26 0	3 55	22 46	1 58	22 41	0 37	23 4	0 26	23 41	0 16	20 38	1 16	7 13	15 26	21 7	21 23	22 2		n.a.
S 25	10 54	3s39	4 43	1 22	3 16	26 5	3 54	22 39	1 56	22 41	0 37	23 4	0 26	23 41	0 16	20 37	1 16	7 14	15 26	21 6	21 23	22 2		n.a.
S 26	11 15	8 42	4 2	1 5	3 18	26 10	3 53	22 33	1 55	22 40	0 37	23 4	0 26	23 41	0 16	20 37	1 16	7 14	15 25	21 5	21 22	22 2		n.a.
M27	11 36	13 22	3 5	0 46	3 19	26 14	3 52	22 26	1 53	22 40	0 38	23 4	0 27	23 41	0 16	20 37	1 16	7 15	15 25	21 4	21 21	22 1		n.a.
T 28	11 56	17 19	1 56	0 25	3 19	26 17	3 50	22 18	1 52	22 40	0 38	23 4	0 27	23 42	0 16	20 37	1 16	7 15	15 25	21 4	21 21	22 1		n.a.
W29	12 16	20 11	0 37	0 2	3 18	26 20	3 48	22 11	1 50	22 39	0 38	23 4	0 27	23 42	0 16	20 37	1 16	7 15	15 25	21 4	21 20	22 1		n.a.
T 30	12n36	21s41	0n44	0n23	3s17	26n22	3n46	22n 4	1n49	22s39	0s38	23s 4	0s27	23n42	0n16	20s36	1n16	7n16	15n25	21s 4	21s20	22n 0		n.a.

Julian Day Number = 1545097.5, Delta T = 04h34m52s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'24, Lahiri = -10°37'23 Julian Calendar 1 Apr. 483 BCE == Greg. Calendar 27 March 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

MAY 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 11 17	3♉44'57	25♐46	9♈31	13♊26	1♌ 0	21♑29	17♑15	20♊49	7°R32	17°R29	3♐ 9	4♐30	19♊ 5	n.a.	F 1
S 2	14 15 13	4°42'15	10♑14	10°38	13°57	1°27	21°32	17°15	20°51	7♐31	17♎27	3°11	4°27	19°11	n.a.	S 2
S 3	14 19 10	5°39'32	24°28	11°47	14°26	1°55	21°35	17°15	20°54	7°29	17°26	3°12	4°23	19°18	n.a.	S 3
M 4	14 23 7	6°36'48	8♒25	13° 0	14°53	2°23	21°38	17°R15	20°57	7°28	17°24	3°R12	4°20	19°25	n.a.	M 4
T 5	14 27 3	7°34'04	22° 6	14°16	15°19	2°51	21°40	17°15	21° 0	7°27	17°22	3°12	4°17	19°31	n.a.	T 5
W 6	14 31 0	8°31'19	5♓29	15°34	15°43	3°19	21°42	17°15	21° 3	7°25	17°21	3°10	4°14	19°38	n.a.	W 6
T 7	14 34 56	9°28'34	18°37	16°56	16° 6	3°48	21°44	17°15	21° 6	7°24	17°19	3° 7	4°11	19°44	n.a.	T 7
F 8	14 38 53	10°25'48	1♈30	18°21	16°26	4°16	21°46	17°14	21° 9	7°23	17°18	3° 4	4° 8	19°51	n.a.	F 8
S 9	14 42 49	11°23'01	14° 9	19°48	16°45	4°45	21°48	17°14	21°12	7°21	17°16	3° 0	4° 4	19°58	n.a.	S 9
S 10	14 46 46	12°20'14	26°36	21°18	17° 3	5°14	21°49	17°13	21°15	7°20	17°15	2°57	4° 1	20° 4	n.a.	S 10
M11	14 50 42	13°17'27	8♉51	22°52	17°18	5°44	21°51	17°13	21°18	7°18	17°13	2°55	3°58	20°11	n.a.	M11
T 12	14 54 39	14°14'39	20°56	24°28	17°31	6°13	21°52	17°12	21°21	7°17	17°12	2°54	3°55	20°18	n.a.	T 12
W13	14 58 36	15°11'50	2♊53	26° 6	17°42	6°43	21°53	17°11	21°24	7°15	17°11	2°D53	3°52	20°24	n.a.	W13
T 14	15 2 32	16° 9'01	14°44	27°48	17°51	7°13	21°53	17°10	21°27	7°14	17° 9	2°54	3°48	20°31	n.a.	T 14
F 15	15 6 29	17° 6'11	26°31	29°32	17°58	7°43	21°54	17° 9	21°30	7°12	17° 8	2°55	3°45	20°38	n.a.	F 15
S 16	15 10 25	18° 3'21	8♋19	1♉19	18° 3	8°14	21°54	17° 8	21°33	7°11	17° 6	2°56	3°42	20°44	n.a.	S 16
S 17	15 14 22	19° 0'30	20°11	3° 9	18° 5	8°44	21°R54	17° 7	21°37	7° 9	17° 5	2°57	3°39	20°51	n.a.	S 17
M18	15 18 18	19°57'38	2♌10	5° 1	18°R 5	9°15	21°54	17° 5	21°40	7° 8	17° 4	2°58	3°36	20°58	n.a.	M18
T 19	15 22 15	20°54'45	14°22	6°56	18° 3	9°46	21°54	17° 4	21°43	7° 6	17° 2	2°59	3°33	21° 4	n.a.	T 19
W20	15 26 12	21°51'52	26°50	8°53	17°58	10°17	21°53	17° 2	21°46	7° 5	17° 1	2°R59	3°29	21°11	n.a.	W20
T 21	15 30 8	22°48'59	9♍39	10°52	17°51	10°48	21°53	17° 1	21°50	7° 3	17° 0	2°58	3°26	21°18	n.a.	T 21
F 22	15 34 5	23°46'04	22°53	12°54	17°42	11°20	21°52	16°59	21°53	7° 2	16°58	2°58	3°23	21°24	n.a.	F 22
S 23	15 38 1	24°43'10	6♎33	14°57	17°30	11°51	21°51	16°57	21°56	7° 0	16°57	2°57	3°20	21°31	n.a.	S 23
S 24	15 41 58	25°40'14	20°40	17° 3	17°16	12°23	21°50	16°56	22° 0	6°59	16°56	2°56	3°17	21°38	n.a.	S 24
M25	15 45 54	26°37'19	5♏10	19° 9	16°59	12°55	21°48	16°54	22° 3	6°57	16°55	2°55	3°14	21°44	n.a.	M25
T 26	15 49 51	27°34'23	20° 0	21°17	16°40	13°27	21°47	16°51	22° 6	6°55	16°54	2°55	3°10	21°51	n.a.	T 26
W27	15 53 47	28°31'27	5♐ 3	23°27	16°19	13°59	21°45	16°49	22°10	6°54	16°53	2°D55	3° 7	21°58	n.a.	W27
T 28	15 57 44	29°28'32	20° 9	25°36	15°56	14°32	21°43	16°47	22°13	6°52	16°51	2°55	3° 4	22° 4	n.a.	T 28
F 29	16 1 41	0♊25'36	5♑ 9	27°47	15°30	15° 4	21°41	16°45	22°17	6°51	16°50	2°55	3° 1	22°11	n.a.	F 29
S 30	16 5 37	1°22'40	19°57	29°57	15° 3	15°37	21°38	16°42	22°20	6°49	16°49	2°55	2°58	22°17	n.a.	S 30
S 31	16 9 34	2♊19'45	4♒26	2♊ 8	14♊34	16♌10	21♑36	16♑40	22♊24	6♐47	16♎48	2♐55	2♐54	22♊24	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n56	21s40	2n 1	0n51	3s15	26n24	3n43	21n56	1n47	22s39	0s39	23s 4	0s27	23n42	0n16	20s36	1n16	7n16	15n25	21s 4	21s19	22n 0		n.a.
S 2	13 15	20 12	3 10	1 19	3 12	26 25	3 40	21 49	1 46	22 39	0 39	23 4	0 27	23 42	0 16	20 36	1 16	7 17	15 24	21 4	21 18	22 0		n.a.
S 3	13 35	17 29	4 6	1 50	3 8	26 26	3 37	21 41	1 44	22 38	0 39	23 4	0 27	23 43	0 16	20 36	1 16	7 17	15 24	21 4	21 18	22 0		n.a.
M 4	13 54	13 48	4 46	2 23	3 4	26 25	3 34	21 33	1 43	22 38	0 39	23 5	0 27	23 43	0 16	20 35	1 16	7 17	15 24	21 4	21 17	21 59		n.a.
T 5	14 13	9 28	5 9	2 57	2 59	26 25	3 30	21 25	1 41	22 38	0 40	23 5	0 28	23 43	0 16	20 35	1 16	7 18	15 24	21 4	21 17	21 59		n.a.
W 6	14 32	4 45	5 14	3 32	2 54	26 23	3 26	21 17	1 40	22 38	0 40	23 5	0 28	23 43	0 16	20 35	1 16	7 18	15 23	21 4	21 16	21 59		n.a.
T 7	14 50	0n 5	5 3	4 10	2 48	26 21	3 22	21 9	1 39	22 38	0 40	23 5	0 28	23 43	0 16	20 35	1 16	7 19	15 23	21 3	21 15	21 58		n.a.
F 8	15 9	4 50	4 37	4 48	2 41	26 19	3 17	21 1	1 37	22 38	0 40	23 5	0 28	23 44	0 16	20 34	1 16	7 19	15 23	21 3	21 15	21 58		n.a.
S 9	15 27	9 17	3 57	5 28	2 34	26 16	3 12	20 53	1 36	22 38	0 41	23 5	0 28	23 44	0 16	20 34	1 16	7 19	15 23	21 2	21 14	21 58		n.a.
S 10	15 44	13 17	3 7	6 10	2 26	26 12	3 6	20 44	1 35	22 38	0 41	23 6	0 28	23 44	0 16	20 34	1 16	7 19	15 22	21 1	21 14	21 57		n.a.
M11	16 2	16 40	2 9	6 52	2 18	26 8	3 0	20 35	1 33	22 38	0 41	23 6	0 28	23 44	0 16	20 34	1 16	7 20	15 22	21 1	21 13	21 57		n.a.
T 12	16 19	19 17	1 6	7 36	2 9	26 3	2 54	20 27	1 32	22 38	0 41	23 6	0 29	23 44	0 16	20 33	1 16	7 20	15 22	21 1	21 12	21 56		n.a.
W13	16 36	21 1	0 0	8 21	2 0	25 57	2 47	20 18	1 31	22 38	0 42	23 6	0 29	23 45	0 16	20 33	1 16	7 20	15 21	21 1	21 12	21 56		n.a.
T 14	16 53	21 47	1s 5	9 6	1 51	25 51	2 40	20 9	1 29	22 38	0 42	23 7	0 29	23 45	0 16	20 33	1 16	7 20	15 21	21 1	21 11	21 56		n.a.
F 15	17 10	21 35	2 7	9 53	1 41	25 44	2 33	20 0	1 28	22 38	0 42	23 7	0 29	23 45	0 16	20 33	1 16	7 21	15 21	21 1	21 11	21 55		n.a.
S 16	17 26	20 26	3 4	10 40	1 31	25 37	2 25	19 50	1 27	22 39	0 43	23 7	0 29	23 45	0 16	20 32	1 16	7 21	15 20	21 1	21 10	21 55		n.a.
S 17	17 42	18 22	3 53	11 28	1 20	25 29	2 16	19 41	1 25	22 39	0 43	23 7	0 29	23 45	0 16	20 32	1 16	7 21	15 20	21 1	21 9	21 55		n.a.
M18	17 58	15 30	4 33	12 17	1 9	25 20	2 8	19 31	1 24	22 39	0 43	23 8	0 29	23 46	0 16	20 32	1 16	7 21	15 20	21 2	21 9	21 54		n.a.
T 19	18 13	11 56	5 1	13 5	0 58	25 10	1 58	19 22	1 23	22 39	0 43	23 8	0 29	23 46	0 16	20 32	1 16	7 21	15 19	21 2	21 8	21 54		n.a.
W20	18 28	7 47	5 15	13 54	0 47	25 0	1 49	19 12	1 22	22 40	0 44	23 8	0 30	23 46	0 16	20 31	1 16	7 22	15 19	21 2	21 8	21 53		n.a.
T 21	18 43	3 11	5 15	14 43	0 36	24 50	1 39	19 2	1 20	22 40	0 44	23 9	0 30	23 46	0 16	20 31	1 16	7 22	15 19	21 2	21 7	21 53		n.a.
F 22	18 58	1s42	4 58	15 31	0 25	24 38	1 28	18 52	1 19	22 41	0 44	23 9	0 30	23 46	0 16	20 31	1 16	7 22	15 18	21 1	21 6	21 53		n.a.
S 23	19 12	6 40	4 25	16 19	0 13	24 26	1 17	18 42	1 18	22 41	0 44	23 9	0 30	23 47	0 16	20 31	1 16	7 22	15 18	21 1	21 6	21 52		n.a.
S 24	19 26	11 28	3 34	17 6	0 2	24 14	1 6	18 32	1 17	22 41	0 45	23 10	0 30	23 47	0 16	20 30	1 16	7 22	15 18	21 1	21 5	21 52		n.a.
M25	19 39	15 44	2 28	17 53	0n 9	24 0	0 54	18 21	1 15	22 42	0 45	23 10	0 30	23 47	0 16	20 30	1 16	7 22	15 17	21 1	21 5	21 51		n.a.
T 26	19 53	19 7	1 11	18 38	0 19	23 46	0 42	18 11	1 14	22 42	0 45	23 11	0 30	23 47	0 16	20 30	1 16	7 22	15 17	21 1	21 4	21 51		n.a.
W27	20 5	21 13	0n12	19 21	0 29	23 32	0 29	18 0	1 13	22 43	0 45	23 11	0 31	23 48	0 17	20 30	1 16	7 22	15 16	21 1	21 3	21 51		n.a.
T 28	20 18	21 49	1 34	20 3	0 39	23 16	0 17	17 50	1 12	22 44	0 46	23 11	0 31	23 48	0 17	20 29	1 16	7 22	15 16	21 1	21 3	21 50		n.a.
F 29	20 30	20 49	2 50	20 43	0 49	23 1	0 3	17 39	1 11	22 44	0 46	23 12	0 31	23 48	0 17	20 29	1 16	7 22	15 16	21 1	21 2	21 50		n.a.
S 30	20 42	18 24	3 53	21 21	0 58	22 44	0s10	17 28	1 9	22 45	0 46	23 12	0 31	23 48	0 17	20 29	1 16	7 22	15 15	21 1	21 1	21 49		n.a.
S 31	20n54	14s53	4n40	21n56	1n 6	22n27	0s24	17n17	1n 8	22s46	0s46	23s13	0s31	23n48	0n17	20s29	1n16	7n22	15n15	21s 1	21s 1	21n49		n.a.

Julian Day Number = 1545127.5, Delta T = 04h34m51s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'20, Lahiri = -10°37'19 Julian Calendar 1 May 483 BCE == Greg. Calendar 26 Apr. 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

JUNE 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 13 30	3♊16'50	18♒33	4♊18	14°R 3	16♌43	21°R33	16°R37	22♊27	6°R46	16°R47	2°R55	2♐51	22♊31	n.a.	M 1
T 2	16 17 27	4°13'55	2♓16	6°27	13♊30	17°16	21♑30	16♑35	22°31	6♐44	16♎46	2°D55	2°48	22°37	n.a.	T 2
W 3	16 21 23	5°11'01	15°35	8°36	12°56	17°49	21°27	16°32	22°34	6°43	16°45	2♐55	2°45	22°44	n.a.	W 3
T 4	16 25 20	6° 8'07	28°34	10°43	12°22	18°23	21°24	16°29	22°38	6°41	16°44	2°55	2°42	22°51	n.a.	T 4
F 5	16 29 16	7° 5'14	11♈14	12°50	11°46	18°57	21°20	16°26	22°41	6°39	16°43	2°56	2°39	22°57	n.a.	F 5
S 6	16 33 13	8° 2'21	23°39	14°55	11° 9	19°30	21°17	16°23	22°45	6°38	16°43	2°56	2°35	23° 4	n.a.	S 6
S 7	16 37 10	8°59'28	5♉51	16°58	10°32	20° 4	21°13	16°20	22°49	6°36	16°42	2°57	2°32	23°11	n.a.	S 7
M 8	16 41 6	9°56'36	17°53	19° 0	9°55	20°38	21° 9	16°17	22°52	6°35	16°41	2°57	2°29	23°17	n.a.	M 8
T 9	16 45 3	10°53'45	29°48	21° 1	9°18	21°12	21° 5	16°14	22°56	6°33	16°40	2°R58	2°26	23°24	n.a.	T 9
W10	16 48 59	11°50'54	11♊38	22°59	8°41	21°47	21° 1	16°11	22°59	6°31	16°39	2°57	2°23	23°31	n.a.	W10
T 11	16 52 56	12°48'03	23°26	24°56	8° 4	22°21	20°56	16° 7	23° 3	6°30	16°39	2°57	2°20	23°37	n.a.	T 11
F 12	16 56 52	13°45'13	5♋14	26°51	7°28	22°56	20°51	16° 4	23° 7	6°28	16°38	2°56	2°16	23°44	n.a.	F 12
S 13	17 0 49	14°42'23	17° 4	28°45	6°53	23°30	20°47	16° 1	23°10	6°26	16°37	2°54	2°13	23°51	n.a.	S 13
S 14	17 4 46	15°39'34	28°59	0♋36	6°19	24° 5	20°42	15°57	23°14	6°25	16°37	2°52	2°10	23°57	n.a.	S 14
M15	17 8 42	16°36'45	11♌ 1	2°26	5°46	24°40	20°36	15°54	23°17	6°23	16°36	2°51	2° 7	24° 4	n.a.	M15
T 16	17 12 39	17°33'56	23°15	4°14	5°15	25°15	20°31	15°50	23°21	6°22	16°35	2°49	2° 4	24°11	n.a.	T 16
W17	17 16 35	18°31'07	5♍43	6° 0	4°46	25°50	20°26	15°46	23°25	6°20	16°35	2°48	2° 0	24°17	n.a.	W17
T 18	17 20 32	19°28'19	18°29	7°44	4°18	26°26	20°20	15°42	23°28	6°19	16°34	2°D48	1°57	24°24	n.a.	T 18
F 19	17 24 28	20°25'31	1♎37	9°26	3°52	27° 1	20°14	15°39	23°32	6°17	16°34	2°48	1°54	24°31	n.a.	F 19
S 20	17 28 25	21°22'44	15° 9	11° 7	3°28	27°37	20° 9	15°35	23°36	6°15	16°33	2°49	1°51	24°37	n.a.	S 20
S 21	17 32 21	22°19'57	29° 8	12°46	3° 7	28°13	20° 3	15°31	23°39	6°14	16°33	2°50	1°48	24°44	n.a.	S 21
M22	17 36 18	23°17'11	13♏31	14°23	2°48	28°48	19°56	15°27	23°43	6°12	16°33	2°51	1°45	24°51	n.a.	M22
T 23	17 40 15	24°14'25	28°18	15°58	2°30	29°24	19°50	15°23	23°47	6°11	16°32	2°R52	1°41	24°57	n.a.	T 23
W24	17 44 11	25°11'40	13♐22	17°31	2°16	0♍ 0	19°44	15°19	23°50	6° 9	16°32	2°52	1°38	25° 4	n.a.	W24
T 25	17 48 8	26° 8'56	28°35	19° 2	2° 3	0°36	19°37	15°15	23°54	6° 8	16°32	2°50	1°35	25°11	n.a.	T 25
F 26	17 52 4	27° 6'13	13♑47	20°32	1°53	1°13	19°31	15°11	23°58	6° 6	16°31	2°48	1°32	25°17	n.a.	F 26
S 27	17 56 1	28° 3'30	28°49	22° 0	1°46	1°49	19°24	15° 7	24° 1	6° 5	16°31	2°45	1°29	25°24	n.a.	S 27
S 28	17 59 57	29° 0'49	13♒32	23°25	1°41	2°26	19°17	15° 2	24° 5	6° 3	16°31	2°41	1°26	25°31	n.a.	S 28
M29	18 3 54	29°58'09	27°51	24°49	1°38	3° 2	19°10	14°58	24° 9	6° 2	16°31	2°38	1°22	25°37	n.a.	M29
T 30	18 7 50	0♋55'30	11♓42	26♋11	1°D38	3♍39	19♑ 3	14♑54	24♊12	6♐ 1	16♎31	2♐36	1♐19	25♊44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n 5	10s35	5n 8	22n29	1n14	22n10	0s37	17n 6	1n 7	22s46	0s47	23s13	0s31	23n49	0n17	20s28	1n16	7n22	15n14	21s 1	21s 0	21n48		n.a.
T 2	21 16	5 52	5 18	23 0	1 21	21 52	0 51	16 54	1 6	22 47	0 47	23 14	0 31	23 49	0 17	20 28	1 16	7 22	15 14	21 1	21 0	21 48		n.a.
W 3	21 27	1 0	5 10	23 28	1 28	21 34	1 6	16 43	1 5	22 48	0 47	23 14	0 31	23 49	0 17	20 28	1 16	7 22	15 13	21 1	20 59	21 47		n.a.
T 4	21 37	3n48	4 47	23 53	1 33	21 15	1 20	16 31	1 4	22 48	0 48	23 14	0 32	23 49	0 17	20 27	1 16	7 22	15 13	21 1	20 58	21 47		n.a.
F 5	21 47	8 19	4 10	24 16	1 38	20 57	1 34	16 20	1 2	22 49	0 48	23 15	0 32	23 49	0 17	20 27	1 16	7 22	15 12	21 1	20 58	21 46		n.a.
S 6	21 56	12 25	3 22	24 35	1 43	20 38	1 48	16 8	1 1	22 50	0 48	23 15	0 32	23 50	0 17	20 27	1 16	7 22	15 12	21 1	20 57	21 46		n.a.
S 7	22 5	15 55	2 25	24 52	1 46	20 19	2 2	15 56	1 0	22 51	0 48	23 16	0 32	23 50	0 17	20 27	1 16	7 22	15 11	21 1	20 56	21 45		n.a.
M 8	22 14	18 42	1 23	25 7	1 49	20 0	2 15	15 44	0 59	22 52	0 49	23 16	0 32	23 50	0 17	20 26	1 16	7 22	15 11	21 1	20 56	21 45		n.a.
T 9	22 22	20 39	0 18	25 18	1 52	19 41	2 29	15 32	0 58	22 53	0 49	23 17	0 32	23 50	0 17	20 26	1 16	7 22	15 10	21 1	20 55	21 45		n.a.
W10	22 30	21 41	0s48	25 27	1 53	19 22	2 42	15 20	0 57	22 54	0 49	23 17	0 32	23 50	0 17	20 26	1 16	7 21	15 10	21 1	20 55	21 44		n.a.
T 11	22 38	21 44	1 51	25 33	1 54	19 4	2 55	15 7	0 56	22 55	0 49	23 18	0 32	23 51	0 17	20 26	1 16	7 21	15 10	21 1	20 54	21 44		n.a.
F 12	22 45	20 49	2 50	25 37	1 55	18 46	3 7	14 55	0 55	22 56	0 50	23 19	0 33	23 51	0 17	20 25	1 16	7 21	15 9	21 1	20 53	21 43		n.a.
S 13	22 52	19 0	3 41	25 39	1 54	18 28	3 19	14 42	0 54	22 57	0 50	23 19	0 33	23 51	0 17	20 25	1 16	7 21	15 9	21 1	20 53	21 43		n.a.
S 14	22 58	16 21	4 23	25 38	1 53	18 11	3 31	14 29	0 52	22 58	0 50	23 20	0 33	23 51	0 17	20 25	1 16	7 21	15 8	21 0	20 52	21 42		n.a.
M15	23 4	12 59	4 54	25 35	1 52	17 55	3 42	14 17	0 51	22 59	0 50	23 20	0 33	23 51	0 17	20 25	1 16	7 20	15 7	21 0	20 51	21 41		n.a.
T 16	23 10	9 2	5 12	25 30	1 50	17 39	3 52	14 4	0 50	23 0	0 51	23 21	0 33	23 52	0 17	20 24	1 16	7 20	15 7	21 0	20 51	21 41		n.a.
W17	23 15	4 39	5 16	25 24	1 47	17 24	4 2	13 51	0 49	23 1	0 51	23 21	0 33	23 52	0 17	20 24	1 16	7 20	15 6	21 0	20 50	21 40		n.a.
T 18	23 20	0s 3	5 5	25 15	1 44	17 10	4 11	13 37	0 48	23 2	0 51	23 22	0 33	23 52	0 17	20 24	1 16	7 20	15 6	20 59	20 49	21 40		n.a.
F 19	23 24	4 53	4 37	25 4	1 40	16 56	4 20	13 24	0 47	23 3	0 51	23 22	0 33	23 52	0 17	20 24	1 16	7 19	15 5	20 59	20 49	21 39		n.a.
S 20	23 28	9 38	3 54	24 52	1 35	16 44	4 28	13 11	0 46	23 4	0 52	23 23	0 33	23 52	0 17	20 23	1 16	7 19	15 5	21 0	20 48	21 39		n.a.
S 21	23 32	14 2	2 56	24 38	1 31	16 32	4 36	12 57	0 45	23 5	0 52	23 24	0 34	23 53	0 17	20 23	1 16	7 19	15 4	21 0	20 47	21 38		n.a.
M22	23 35	17 46	1 45	24 23	1 25	16 22	4 43	12 44	0 44	23 6	0 52	23 24	0 34	23 53	0 17	20 23	1 16	7 18	15 4	21 0	20 47	21 38		n.a.
T 23	23 37	20 27	0 25	24 6	1 20	16 12	4 50	12 30	0 43	23 8	0 52	23 25	0 34	23 53	0 17	20 23	1 16	7 18	15 3	21 0	20 46	21 37		n.a.
W24	23 40	21 45	0n58	23 48	1 14	16 4	4 55	12 16	0 42	23 9	0 52	23 25	0 34	23 53	0 17	20 22	1 16	7 18	15 3	21 0	20 46	21 37		n.a.
T 25	23 42	21 28	2 17	23 29	1 7	15 56	5 1	12 2	0 41	23 10	0 53	23 26	0 34	23 53	0 17	20 22	1 16	7 17	15 2	21 0	20 45	21 36		n.a.
F 26	23 43	19 36	3 27	23 9	1 0	15 49	5 6	11 48	0 40	23 11	0 53	23 26	0 34	23 53	0 17	20 22	1 16	7 17	15 2	21 0	20 44	21 35		n.a.
S 27	23 44	16 24	4 21	22 48	0 53	15 44	5 10	11 34	0 39	23 12	0 53	23 27	0 34	23 54	0 17	20 22	1 16	7 16	15 1	20 59	20 44	21 35		n.a.
S 28	23 45	12 14	4 57	22 26	0 45	15 39	5 13	11 20	0 38	23 13	0 53	23 28	0 34	23 54	0 17	20 21	1 16	7 16	15 1	20 58	20 43	21 34		n.a.
M29	23 45	7 29	5 13	22 3	0 37	15 35	5 17	11 6	0 37	23 15	0 54	23 28	0 35	23 54	0 17	20 21	1 16	7 15	15 0	20 58	20 42	21 34		n.a.
T 30	23n45	2s30	5n10	21n40	0n29	15n32	5s19	10n51	0n36	23s16	0s54	23s29	0s35	23n54	0n17	20s21	1n16	7n15	14n59	20s57	20s42	21n33		n.a.

Julian Day Number = 1545158.5, Delta T = 04h34m50s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'15, Lahiri = -10°37'15 Julian Calendar 1 June 483 BCE == Greg. Calendar 27 May 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

JULY 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 11 47	1♋52'53	25♓ 5	27♋31	1♊39	4♍16	18°R56	14°R49	24♊16	5°R59	16°R30	2°R34	1♐16	25♊50	n.a.	W 1
T 2	18 15 44	2°50'17	8♈ 2	28°49	1°44	4°53	18♉49	14♉45	24°20	5♐58	16♎30	2°D34	1°13	25°57	n.a.	T 2
F 3	18 19 40	3°47'42	20°37	0♌ 5	1°50	5°30	18°42	14°41	24°23	5°56	16°D30	2♐35	1°10	26° 4	n.a.	F 3
S 4	18 23 37	4°45'09	2♉55	1°19	1°59	6° 7	18°34	14°36	24°27	5°55	16°30	2°37	1° 6	26°10	n.a.	S 4
S 5	18 27 33	5°42'37	14°59	2°31	2° 9	6°44	18°27	14°32	24°31	5°54	16°30	2°39	1° 3	26°17	n.a.	S 5
M 6	18 31 30	6°40'06	26°53	3°40	2°22	7°22	18°19	14°28	24°34	5°52	16°30	2°R40	1° 0	26°24	n.a.	M 6
T 7	18 35 26	7°37'37	8♊43	4°47	2°37	7°59	18°12	14°23	24°38	5°51	16°31	2°40	0°57	26°30	n.a.	T 7
W 8	18 39 23	8°35'10	20°30	5°52	2°54	8°37	18° 4	14°19	24°41	5°50	16°31	2°38	0°54	26°37	n.a.	W 8
T 9	18 43 19	9°32'44	2♋18	6°54	3°12	9°14	17°57	14°14	24°45	5°48	16°31	2°35	0°51	26°44	n.a.	T 9
F 10	18 47 16	10°30'19	14° 8	7°53	3°33	9°52	17°49	14°10	24°49	5°47	16°31	2°30	0°47	26°50	n.a.	F 10
S 11	18 51 13	11°27'55	26° 4	8°50	3°55	10°30	17°41	14° 5	24°52	5°46	16°31	2°23	0°44	26°57	n.a.	S 11
S 12	18 55 9	12°25'33	8♌ 7	9°43	4°19	11° 8	17°33	14° 1	24°56	5°45	16°32	2°16	0°41	27° 4	n.a.	S 12
M13	18 59 6	13°23'12	20°18	10°34	4°44	11°46	17°25	13°56	24°59	5°43	16°32	2° 9	0°38	27°10	n.a.	M13
T 14	19 3 2	14°20'52	2♍39	11°21	5°12	12°25	17°18	13°52	25° 3	5°42	16°32	2° 2	0°35	27°17	n.a.	T 14
W15	19 6 59	15°18'33	15°12	12° 5	5°40	13° 3	17°10	13°47	25° 6	5°41	16°33	1°57	0°31	27°24	n.a.	W15
T 16	19 10 55	16°16'16	28° 0	12°45	6°10	13°41	17° 2	13°43	25°10	5°40	16°33	1°53	0°28	27°30	n.a.	T 16
F 17	19 14 52	17°13'59	11♎ 5	13°22	6°42	14°20	16°54	13°38	25°13	5°39	16°34	1°52	0°25	27°37	n.a.	F 17
S 18	19 18 48	18°11'44	24°31	13°54	7°15	14°58	16°46	13°34	25°17	5°38	16°34	1°D52	0°22	27°44	n.a.	S 18
S 19	19 22 45	19° 9'31	8♏18	14°22	7°49	15°37	16°38	13°29	25°20	5°37	16°35	1°53	0°19	27°50	n.a.	S 19
M20	19 26 42	20° 7'18	22°29	14°46	8°25	16°16	16°31	13°25	25°24	5°36	16°35	1°54	0°16	27°57	n.a.	M20
T 21	19 30 38	21° 5'07	7♐ 1	15° 5	9° 2	16°55	16°23	13°20	25°27	5°35	16°36	1°R54	0°12	28° 4	n.a.	T 21
W22	19 34 35	22° 2'58	21°53	15°18	9°40	17°34	16°15	13°16	25°30	5°34	16°36	1°52	0° 9	28°10	n.a.	W22
T 23	19 38 31	23° 0'49	6♑57	15°27	10°19	18°13	16° 7	13°11	25°34	5°33	16°37	1°49	0° 6	28°17	n.a.	T 23
F 24	19 42 28	23°58'43	22° 6	15°R30	10°59	18°52	15°59	13° 7	25°37	5°32	16°38	1°43	0° 3	28°24	n.a.	F 24
S 25	19 46 24	24°56'38	7♒ 9	15°27	11°40	19°31	15°52	13° 3	25°40	5°31	16°38	1°35	29♏59	28°30	n.a.	S 25
S 26	19 50 21	25°54'35	21°57	15°19	12°23	20°11	15°44	12°58	25°44	5°30	16°39	1°27	29°57	28°37	n.a.	S 26
M27	19 54 18	26°52'33	6♓22	15° 4	13° 6	20°50	15°37	12°54	25°47	5°29	16°40	1°19	29°53	28°44	n.a.	M27
T 28	19 58 14	27°50'34	20°20	14°43	13°50	21°30	15°29	12°50	25°50	5°28	16°41	1°12	29°50	28°50	n.a.	T 28
W29	20 2 11	28°48'36	3♈49	14°17	14°35	22°10	15°22	12°45	25°53	5°27	16°42	1° 7	29°47	28°57	n.a.	W29
T 30	20 6 7	29°46'41	16°49	13°44	15°22	22°49	15°14	12°41	25°57	5°27	16°42	1° 4	29°44	29° 4	n.a.	T 30
F 31	20 10 4	0♌44'47	29♈26	13♌ 5	16♊ 9	23♍29	15♉ 7	12♉37	26♊ 0	5♐26	16♎43	1°D 3	29♏41	29♊10	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23n44	2n27	4n50	21n15	0n20	15n31	5s22	10n37	0n35	23s17	0s54	23s29	0s35	23n54	0n17	20s21	1n16	7n15	14n59	20s57	20s41	21n33			n.a.
T 2	23 43	7 8	4 16	20 51	0 11	15 30	5 24	10 22	0 34	23 18	0 54	23 30	0 35	23 54	0 17	20 21	1 16	7 14	14 58	20 57	20 40	21 32			n.a.
F 3	23 42	11 24	3 30	20 26	0 2	15 29	5 25	10 8	0 33	23 20	0 54	23 31	0 35	23 55	0 17	20 20	1 16	7 14	14 58	20 57	20 40	21 31			n.a.
S 4	23 40	15 5	2 36	20 0	0s 8	15 30	5 26	9 53	0 32	23 21	0 55	23 31	0 35	23 55	0 17	20 20	1 16	7 13	14 57	20 57	20 39	21 31			n.a.
S 5	23 38	18 3	1 35	19 34	0 18	15 32	5 27	9 38	0 31	23 22	0 55	23 32	0 35	23 55	0 17	20 20	1 16	7 12	14 57	20 58	20 38	21 30			n.a.
M 6	23 35	20 14	0 32	19 8	0 28	15 34	5 27	9 23	0 30	23 23	0 55	23 32	0 35	23 55	0 17	20 20	1 15	7 12	14 56	20 58	20 38	21 30			n.a.
T 7	23 32	21 30	0s33	18 42	0 38	15 37	5 27	9 8	0 29	23 24	0 55	23 33	0 35	23 55	0 17	20 20	1 15	7 11	14 56	20 58	20 37	21 29			n.a.
W 8	23 28	21 49	1 36	18 16	0 48	15 40	5 27	8 53	0 28	23 26	0 55	23 34	0 35	23 55	0 17	20 19	1 15	7 11	14 55	20 58	20 36	21 28			n.a.
T 9	23 24	21 9	2 35	17 50	0 59	15 44	5 26	8 38	0 27	23 27	0 55	23 34	0 36	23 56	0 17	20 19	1 15	7 10	14 54	20 57	20 36	21 28			n.a.
F 10	23 20	19 34	3 27	17 24	1 10	15 49	5 25	8 22	0 26	23 28	0 56	23 35	0 36	23 56	0 17	20 19	1 15	7 10	14 54	20 56	20 35	21 27			n.a.
S 11	23 15	17 7	4 10	16 59	1 21	15 55	5 24	8 7	0 25	23 29	0 56	23 35	0 36	23 56	0 17	20 19	1 15	7 9	14 53	20 55	20 34	21 26			n.a.
S 12	23 10	13 56	4 43	16 34	1 32	16 0	5 22	7 51	0 24	23 30	0 56	23 36	0 36	23 56	0 17	20 19	1 15	7 8	14 53	20 53	20 34	21 26			n.a.
M13	23 4	10 8	5 3	16 9	1 44	16 7	5 20	7 36	0 23	23 32	0 56	23 36	0 36	23 56	0 17	20 18	1 15	7 8	14 52	20 52	20 33	21 25			n.a.
T 14	22 58	5 52	5 9	15 46	1 55	16 14	5 18	7 20	0 22	23 33	0 56	23 37	0 36	23 56	0 17	20 18	1 15	7 7	14 52	20 50	20 32	21 24			n.a.
W15	22 52	1 17	5 1	15 22	2 6	16 21	5 16	7 4	0 21	23 34	0 56	23 38	0 36	23 57	0 17	20 18	1 15	7 6	14 51	20 49	20 32	21 24			n.a.
T 16	22 45	3s26	4 38	15 0	2 18	16 28	5 14	6 49	0 20	23 35	0 57	23 38	0 36	23 57	0 17	20 18	1 15	7 6	14 50	20 49	20 31	21 23			n.a.
F 17	22 37	8 7	4 0	14 39	2 29	16 36	5 11	6 33	0 20	23 36	0 57	23 39	0 36	23 57	0 17	20 18	1 15	7 5	14 50	20 48	20 30	21 22			n.a.
S 18	22 30	12 32	3 8	14 19	2 40	16 44	5 8	6 17	0 19	23 37	0 57	23 39	0 36	23 57	0 17	20 18	1 15	7 4	14 49	20 48	20 30	21 22			n.a.
S 19	22 22	16 25	2 4	14 0	2 51	16 53	5 5	6 1	0 18	23 39	0 57	23 40	0 36	23 57	0 17	20 17	1 15	7 4	14 49	20 48	20 29	21 21			n.a.
M20	22 13	19 27	0 51	13 43	3 2	17 2	5 2	5 45	0 17	23 40	0 57	23 40	0 37	23 57	0 17	20 17	1 15	7 3	14 48	20 49	20 28	21 20			n.a.
T 21	22 4	21 19	0n28	13 27	3 13	17 11	4 58	5 29	0 16	23 41	0 57	23 41	0 37	23 57	0 17	20 17	1 15	7 2	14 48	20 49	20 28	21 20			n.a.
W22	21 55	21 45	1 46	13 13	3 23	17 20	4 55	5 12	0 15	23 42	0 57	23 41	0 37	23 57	0 17	20 17	1 15	7 1	14 47	20 48	20 27	21 19			n.a.
T 23	21 46	20 37	2 57	13 1	3 33	17 29	4 51	4 56	0 14	23 43	0 57	23 42	0 37	23 58	0 17	20 17	1 15	7 1	14 47	20 48	20 26	21 18			n.a.
F 24	21 36	18 1	3 57	12 51	3 43	17 39	4 47	4 40	0 13	23 44	0 58	23 42	0 37	23 58	0 17	20 17	1 15	7 0	14 46	20 46	20 26	21 18			n.a.
S 25	21 25	14 14	4 39	12 44	3 52	17 48	4 43	4 23	0 12	23 45	0 58	23 43	0 37	23 58	0 17	20 17	1 15	6 59	14 45	20 45	20 25	21 17			n.a.
S 26	21 14	9 37	5 2	12 38	4 0	17 58	4 39	4 7	0 11	23 46	0 58	23 43	0 37	23 58	0 17	20 17	1 15	6 58	14 45	20 43	20 24	21 16			n.a.
M27	21 3	4 34	5 5	12 36	4 7	18 7	4 35	3 50	0 11	23 47	0 58	23 44	0 37	23 58	0 17	20 16	1 15	6 58	14 44	20 42	20 23	21 16			n.a.
T 28	20 52	0n33	4 49	12 36	4 13	18 17	4 31	3 34	0 10	23 48	0 58	23 44	0 37	23 58	0 17	20 16	1 15	6 57	14 44	20 40	20 23	21 15			n.a.
W29	20 40	5 28	4 18	12 39	4 18	18 26	4 26	3 17	0 9	23 49	0 58	23 45	0 37	23 58	0 17	20 16	1 15	6 56	14 43	20 39	20 22	21 14			n.a.
T 30	20 28	9 59	3 34	12 45	4 21	18 36	4 22	3 0	0 8	23 50	0 58	23 45	0 37	23 58	0 17	20 16	1 15	6 55	14 43	20 39	20 21	21 13			n.a.
F 31	20n15	13n55	2n41	12n54	4s24	18n45	4s17	2n44	0n 7	23s51	0s58	23s46	0s37	23n59	0n17	20s16	1n15	6n54	14n42	20s38	20s21	21n13			n.a.

Julian Day Number = 1545188.5, Delta T = 04h34m48s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'11, Lahiri = -10°37'11 Julian Calendar 1 July 483 BCE == Greg. Calendar 26 June 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

AUGUST 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 14 0	1♌42'56	11♉42	12°R22	16♊56	24♍ 9	15°R 0	12°R33	26♊ 3	5°R25	16♎44	1♐ 4	29♏37	29♊17	n.a.	S 1
S 2	20 17 57	2°41'07	23°43	11♌33	17°45	24°49	14♑52	12♑29	26° 6	5♐24	16°45	1° 5	29°34	29°24	n.a.	S 2
M 3	20 21 53	3°39'20	5♊35	10°40	18°34	25°29	14°45	12°25	26° 9	5°24	16°46	1°R 5	29°31	29°30	n.a.	M 3
T 4	20 25 50	4°37'35	17°23	9°44	19°25	26° 9	14°38	12°21	26°12	5°23	16°47	1° 3	29°28	29°37	n.a.	T 4
W 5	20 29 46	5°35'52	29°10	8°46	20°15	26°50	14°32	12°17	26°15	5°23	16°48	1° 0	29°25	29°44	n.a.	W 5
T 6	20 33 43	6°34'12	11♋ 1	7°46	21° 7	27°30	14°25	12°13	26°18	5°22	16°50	0°53	29°22	29°50	n.a.	T 6
F 7	20 37 40	7°32'33	22°58	6°47	21°59	28°11	14°18	12° 9	26°21	5°21	16°51	0°44	29°18	29°57	n.a.	F 7
S 8	20 41 36	8°30'57	5♌ 3	5°50	22°52	28°51	14°12	12° 5	26°24	5°21	16°52	0°33	29°15	0♋ 4	n.a.	S 8
S 9	20 45 33	9°29'22	17°17	4°55	23°45	29°32	14° 5	12° 1	26°27	5°20	16°53	0°21	29°12	0°10	n.a.	S 9
M10	20 49 29	10°27'49	29°42	4° 4	24°40	0♎13	13°59	11°58	26°30	5°20	16°54	0° 8	29° 9	0°17	n.a.	M10
T 11	20 53 26	11°26'18	12♍17	3°19	25°34	0°53	13°53	11°54	26°33	5°20	16°56	29♏57	29° 6	0°24	n.a.	T 11
W12	20 57 22	12°24'49	25° 4	2°41	26°29	1°34	13°47	11°50	26°36	5°19	16°57	29°47	29° 3	0°30	n.a.	W12
T 13	21 1 19	13°23'22	8♎ 2	2°10	27°25	2°15	13°41	11°47	26°39	5°19	16°58	29°40	28°59	0°37	n.a.	T 13
F 14	21 5 15	14°21'56	21°14	1°47	28°21	2°56	13°35	11°44	26°41	5°18	17° 0	29°36	28°56	0°44	n.a.	F 14
S 15	21 9 12	15°20'33	4♏39	1°33	29°18	3°38	13°30	11°40	26°44	5°18	17° 1	29°34	28°53	0°50	n.a.	S 15
S 16	21 13 9	16°19'11	18°21	1°D29	0♋15	4°19	13°24	11°37	26°47	5°18	17° 2	29°D33	28°50	0°57	n.a.	S 16
M17	21 17 5	17°17'51	2♐20	1°34	1°13	5° 0	13°19	11°34	26°49	5°18	17° 4	29°R33	28°47	1° 4	n.a.	M17
T 18	21 21 2	18°16'33	16°36	1°49	2°11	5°42	13°14	11°30	26°52	5°17	17° 5	29°33	28°43	1°10	n.a.	T 18
W19	21 24 58	19°15'16	1♑ 8	2°13	3°10	6°23	13° 9	11°27	26°55	5°17	17° 7	29°30	28°40	1°17	n.a.	W19
T 20	21 28 55	20°14'02	15°52	2°47	4° 9	7° 5	13° 4	11°24	26°57	5°17	17° 8	29°24	28°37	1°24	n.a.	T 20
F 21	21 32 51	21°12'49	0♒42	3°29	5° 9	7°46	12°59	11°21	27° 0	5°17	17°10	29°16	28°34	1°30	n.a.	F 21
S 22	21 36 48	22°11'38	15°31	4°20	6° 9	8°28	12°55	11°19	27° 2	5°17	17°11	29° 6	28°31	1°37	n.a.	S 22
S 23	21 40 44	23°10'30	0♓ 9	5°18	7° 9	9°10	12°50	11°16	27° 4	5°17	17°13	28°54	28°28	1°44	n.a.	S 23
M24	21 44 41	24° 9'23	14°29	6°24	8°10	9°52	12°46	11°13	27° 7	5°D17	17°15	28°42	28°24	1°50	n.a.	M24
T 25	21 48 37	25° 8'19	28°26	7°36	9°11	10°34	12°42	11°11	27° 9	5°17	17°16	28°32	28°21	1°57	n.a.	T 25
W26	21 52 34	26° 7'17	11♈56	8°54	10°12	11°16	12°39	11° 8	27°12	5°17	17°18	28°24	28°18	2° 4	n.a.	W26
T 27	21 56 31	27° 6'17	24°59	10°18	11°14	11°58	12°35	11° 6	27°14	5°17	17°20	28°19	28°15	2°10	n.a.	T 27
F 28	22 0 27	28° 5'20	7♉37	11°45	12°17	12°40	12°32	11° 3	27°16	5°17	17°21	28°16	28°12	2°17	n.a.	F 28
S 29	22 4 24	29° 4'25	19°56	13°17	13°19	13°23	12°28	11° 1	27°18	5°17	17°23	28°15	28° 9	2°24	n.a.	S 29
S 30	22 8 20	0♍ 3'33	1♊58	14°52	14°22	14° 5	12°25	10°59	27°20	5°18	17°25	28°15	28° 5	2°30	n.a.	S 30
M31	22 12 17	1♍ 2'43	13♊51	16♌30	15♋25	14♎48	12♑22	10♑57	27♊22	5♐18	17♎27	28♏15	28♏ 2	2♋37	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n 2	17n 9	1n42	13n 6	4s24	18n55	4s13	2n27	0n 6	23s52	0s58	23s46	0s37	23n59	0n17	20s16	1n14	6n53	14n42	20s38	20s20	21n12		n.a.
S 2	19 49	19 35	0 39	13 20	4 23	19 4	4 8	2 10	0 5	23 53	0 58	23 47	0 38	23 59	0 17	20 16	1 14	6 53	14 41	20 39	20 19	21 11		n.a.
M 3	19 35	21 7	0s24	13 38	4 20	19 13	4 3	1 53	0 4	23 53	0 58	23 47	0 38	23 59	0 17	20 16	1 14	6 52	14 41	20 39	20 19	21 10		n.a.
T 4	19 21	21 43	1 26	13 57	4 15	19 22	3 58	1 36	0 4	23 54	0 58	23 48	0 38	23 59	0 17	20 16	1 14	6 51	14 40	20 38	20 18	21 10		n.a.
W 5	19 7	21 21	2 24	14 19	4 7	19 31	3 53	1 19	0 3	23 55	0 59	23 48	0 38	23 59	0 17	20 16	1 14	6 50	14 39	20 38	20 17	21 9		n.a.
T 6	18 52	20 2	3 16	14 43	3 58	19 39	3 48	1 2	0 2	23 56	0 59	23 49	0 38	23 59	0 17	20 16	1 14	6 49	14 39	20 36	20 17	21 8		n.a.
F 7	18 37	17 50	4 0	15 9	3 47	19 48	3 43	0 45	0 1	23 57	0 59	23 49	0 38	23 59	0 17	20 16	1 14	6 48	14 38	20 34	20 16	21 7		n.a.
S 8	18 22	14 50	4 33	15 36	3 35	19 56	3 38	0 28	0 0	23 57	0 59	23 49	0 38	23 59	0 17	20 15	1 14	6 47	14 38	20 32	20 15	21 7		n.a.
S 9	18 7	11 11	4 54	16 3	3 20	20 4	3 33	0 11	0s 1	23 58	0 59	23 50	0 38	24 0	0 17	20 15	1 14	6 46	14 37	20 29	20 14	21 6		n.a.
M10	17 51	7 1	5 2	16 30	3 4	20 11	3 28	0s 6	0 1	23 59	0 59	23 50	0 38	24 0	0 17	20 15	1 14	6 45	14 37	20 27	20 14	21 5		n.a.
T 11	17 34	2 30	4 55	16 57	2 47	20 18	3 22	0 24	0 2	24 0	0 59	23 51	0 38	24 0	0 17	20 15	1 14	6 44	14 36	20 24	20 13	21 4		n.a.
W12	17 18	2s11	4 33	17 24	2 29	20 25	3 17	0 41	0 3	24 0	0 59	23 51	0 38	24 0	0 17	20 15	1 14	6 43	14 36	20 22	20 12	21 4		n.a.
T 13	17 1	6 51	3 57	17 49	2 11	20 32	3 12	0 58	0 4	24 1	0 59	23 51	0 38	24 0	0 17	20 15	1 14	6 42	14 35	20 21	20 12	21 3		n.a.
F 14	16 44	11 17	3 8	18 12	1 52	20 38	3 7	1 15	0 5	24 1	0 59	23 52	0 38	24 0	0 17	20 15	1 14	6 41	14 35	20 20	20 11	21 2		n.a.
S 15	16 27	15 15	2 8	18 34	1 33	20 44	3 1	1 33	0 6	24 2	0 59	23 52	0 38	24 0	0 17	20 15	1 14	6 40	14 34	20 19	20 10	21 1		n.a.
S 16	16 9	18 28	0 59	18 54	1 14	20 49	2 56	1 50	0 6	24 3	0 59	23 52	0 38	24 0	0 17	20 15	1 14	6 40	14 34	20 19	20 10	21 0		n.a.
M17	15 51	20 40	0n15	19 11	0 55	20 54	2 50	2 7	0 7	24 3	0 59	23 53	0 38	24 0	0 18	20 15	1 14	6 39	14 33	20 19	20 9	21 0		n.a.
T 18	15 33	21 36	1 29	19 25	0 37	20 59	2 45	2 25	0 8	24 4	0 59	23 53	0 38	24 0	0 18	20 15	1 14	6 38	14 33	20 19	20 8	20 59		n.a.
W19	15 15	21 6	2 39	19 36	0 19	21 3	2 40	2 42	0 9	24 4	0 59	23 53	0 38	24 0	0 18	20 15	1 14	6 37	14 32	20 18	20 7	20 58		n.a.
T 20	14 56	19 10	3 39	19 45	0 3	21 7	2 34	2 59	0 10	24 5	0 59	23 54	0 39	24 1	0 18	20 15	1 14	6 36	14 32	20 17	20 7	20 57		n.a.
F 21	14 37	15 57	4 25	19 50	0n13	21 10	2 29	3 17	0 10	24 5	0 59	23 54	0 39	24 1	0 18	20 15	1 13	6 35	14 32	20 15	20 6	20 56		n.a.
S 22	14 18	11 44	4 52	19 52	0 27	21 13	2 23	3 34	0 11	24 6	0 59	23 54	0 39	24 1	0 18	20 15	1 13	6 34	14 31	20 13	20 5	20 56		n.a.
S 23	13 58	6 53	5 1	19 51	0 41	21 16	2 18	3 52	0 12	24 6	0 59	23 55	0 39	24 1	0 18	20 16	1 13	6 32	14 31	20 11	20 5	20 55		n.a.
M24	13 39	1 44	4 49	19 46	0 53	21 18	2 12	4 9	0 13	24 6	0 59	23 55	0 39	24 1	0 18	20 16	1 13	6 31	14 30	20 8	20 4	20 54		n.a.
T 25	13 19	3n21	4 21	19 38	1 4	21 19	2 7	4 26	0 13	24 7	0 59	23 55	0 39	24 1	0 18	20 16	1 13	6 30	14 30	20 6	20 3	20 53		n.a.
W26	12 59	8 8	3 39	19 27	1 14	21 20	2 2	4 44	0 14	24 7	0 59	23 55	0 39	24 1	0 18	20 16	1 13	6 29	14 29	20 4	20 2	20 52		n.a.
T 27	12 38	12 22	2 46	19 13	1 22	21 20	1 56	5 1	0 15	24 7	0 59	23 56	0 39	24 1	0 18	20 16	1 13	6 28	14 29	20 3	20 2	20 51		n.a.
F 28	12 18	15 55	1 47	18 55	1 30	21 20	1 51	5 19	0 16	24 8	0 59	23 56	0 39	24 1	0 18	20 16	1 13	6 27	14 28	20 2	20 1	20 51		n.a.
S 29	11 57	18 39	0 44	18 35	1 36	21 20	1 46	5 36	0 16	24 8	0 59	23 56	0 39	24 1	0 18	20 16	1 13	6 26	14 28	20 2	20 0	20 50		n.a.
S 30	11 36	20 30	0s20	18 12	1 42	21 18	1 40	5 53	0 17	24 8	0 59	23 56	0 39	24 1	0 18	20 16	1 13	6 25	14 28	20 2	20 0	20 49		n.a.
M31	11n15	21n25	1s22	17n47	1n46	21n17	1s35	6s11	0s18	24s 8	0s59	23s56	0s39	24n 1	0n18	20s16	1n13	6n24	14n27	20s 2	19s59	20n48		n.a.

Julian Day Number = 1545219.5, Delta T = 04h34m47s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'07, Lahiri = -10°37'07 Julian Calendar 1 Aug. 483 BCE == Greg. Calendar 27 July 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

SEPTEMBER 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 16 13	2♍ 1'55	25♊39	18♌10	16♋29	15♎30	12°R20	10°R55	27♊24	5♐18	17♎29	28°R13	27♏59	2♋44	n.a.	T 1
W 2	22 20 10	3° 1'10	7♋28	19°52	17°33	16°13	12♑17	10♑53	27°26	5°18	17°30	28♏ 9	27°56	2°50	n.a.	W 2
T 3	22 24 6	4° 0'28	19°23	21°35	18°37	16°55	12°15	10°51	27°28	5°19	17°32	28° 3	27°53	2°57	n.a.	T 3
F 4	22 28 3	4°59'47	1♌26	23°20	19°42	17°38	12°13	10°49	27°30	5°19	17°34	27°53	27°49	3° 4	n.a.	F 4
S 5	22 32 0	5°59'09	13°41	25° 5	20°46	18°21	12°11	10°48	27°32	5°19	17°36	27°41	27°46	3°10	n.a.	S 5
S 6	22 35 56	6°58'33	26° 8	26°50	21°51	19° 4	12° 9	10°46	27°34	5°20	17°38	27°28	27°43	3°17	n.a.	S 6
M 7	22 39 53	7°57'59	8♍50	28°36	22°57	19°47	12° 8	10°45	27°36	5°20	17°40	27°14	27°40	3°24	n.a.	M 7
T 8	22 43 49	8°57'28	21°45	0♍22	24° 2	20°30	12° 6	10°43	27°37	5°21	17°42	27° 2	27°37	3°30	n.a.	T 8
W 9	22 47 46	9°56'58	4♎52	2° 8	25° 8	21°13	12° 5	10°42	27°39	5°21	17°44	26°51	27°34	3°37	n.a.	W 9
T 10	22 51 42	10°56'31	18°10	3°54	26°14	21°57	12° 5	10°41	27°41	5°22	17°46	26°43	27°30	3°44	n.a.	T 10
F 11	22 55 39	11°56'06	1♏38	5°39	27°21	22°40	12° 4	10°40	27°42	5°22	17°48	26°38	27°27	3°50	n.a.	F 11
S 12	22 59 35	12°55'42	15°16	7°24	28°27	23°23	12° 3	10°39	27°44	5°23	17°50	26°36	27°24	3°57	n.a.	S 12
S 13	23 3 32	13°55'21	29° 3	9° 9	29°34	24° 7	12° 3	10°38	27°45	5°24	17°52	26°D36	27°21	4° 4	n.a.	S 13
M14	23 7 28	14°55'01	12♐59	10°53	0♌41	24°50	12°D 3	10°37	27°47	5°24	17°54	26°R36	27°18	4°10	n.a.	M14
T 15	23 11 25	15°54'43	27° 6	12°37	1°48	25°34	12° 3	10°37	27°48	5°25	17°56	26°36	27°14	4°17	n.a.	T 15
W16	23 15 22	16°54'27	11♑20	14°20	2°55	26°17	12° 3	10°36	27°49	5°26	17°59	26°33	27°11	4°24	n.a.	W16
T 17	23 19 18	17°54'13	25°42	16° 2	4° 3	27° 1	12° 4	10°36	27°51	5°27	18° 1	26°29	27° 8	4°30	n.a.	T 17
F 18	23 23 15	18°54'00	10♒ 6	17°44	5°11	27°45	12° 5	10°35	27°52	5°27	18° 3	26°21	27° 5	4°37	n.a.	F 18
S 19	23 27 11	19°53'49	24°29	19°25	6°19	28°29	12° 6	10°35	27°53	5°28	18° 5	26°12	27° 2	4°44	n.a.	S 19
S 20	23 31 8	20°53'41	8♓44	21° 6	7°27	29°13	12° 7	10°35	27°54	5°29	18° 7	26° 1	26°59	4°50	n.a.	S 20
M21	23 35 4	21°53'34	22°45	22°46	8°36	29°57	12° 8	10°D35	27°55	5°30	18° 9	25°51	26°55	4°57	n.a.	M21
T 22	23 39 1	22°53'29	6♈28	24°25	9°44	0♏41	12°10	10°35	27°56	5°31	18°12	25°41	26°52	5° 4	n.a.	T 22
W23	23 42 57	23°53'26	19°50	26° 4	10°53	1°25	12°11	10°35	27°57	5°32	18°14	25°34	26°49	5°11	n.a.	W23
T 24	23 46 54	24°53'26	2♉49	27°42	12° 2	2° 9	12°13	10°36	27°58	5°33	18°16	25°29	26°46	5°17	n.a.	T 24
F 25	23 50 51	25°53'28	15°27	29°20	13°11	2°54	12°15	10°36	27°59	5°34	18°18	25°26	26°43	5°24	n.a.	F 25
S 26	23 54 47	26°53'32	27°46	0♎58	14°21	3°38	12°18	10°36	28° 0	5°35	18°21	25°D26	26°40	5°31	n.a.	S 26
S 27	23 58 44	27°53'38	9♊50	2°34	15°30	4°22	12°20	10°37	28° 0	5°36	18°23	25°26	26°36	5°37	n.a.	S 27
M28	0 2 40	28°53'46	21°44	4°10	16°40	5° 7	12°23	10°38	28° 1	5°37	18°25	25°27	26°33	5°44	n.a.	M28
T 29	0 6 37	29°53'57	3♋34	5°46	17°50	5°51	12°26	10°38	28° 2	5°39	18°28	25°R28	26°30	5°51	n.a.	T 29
W30	0 10 33	0♎54'10	15♋24	7♎22	19♌ 0	6♏36	12♑29	10♑39	28♊ 2	5♐40	18♎30	25♏26	26♏27	5♋57	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n53	21n21	2s20	17n19	1n49	21n14	1s30	6s28	0s19	24s 9	0s59	23s57	0s39	24n 1	0n18	20s16	1n13	6n23	14n27	20s 1	19s58	20n47		n.a.
W 2	10 32	20 21	3 12	16 49	1 52	21 11	1 24	6 45	0 19	24 9	0 59	23 57	0 39	24 1	0 18	20 16	1 13	6 22	14 26	20 0	19 57	20 46		n.a.
T 3	10 10	18 27	3 56	16 17	1 53	21 8	1 19	7 3	0 20	24 9	0 59	23 57	0 39	24 2	0 18	20 16	1 13	6 21	14 26	19 59	19 57	20 45		n.a.
F 4	9 48	15 43	4 30	15 43	1 54	21 4	1 14	7 20	0 21	24 9	0 59	23 57	0 39	24 2	0 18	20 16	1 13	6 20	14 26	19 57	19 56	20 45		n.a.
S 5	9 26	12 17	4 52	15 7	1 54	20 59	1 9	7 37	0 22	24 9	0 58	23 57	0 39	24 2	0 18	20 17	1 13	6 19	14 25	19 54	19 55	20 44		n.a.
S 6	9 4	8 16	5 0	14 30	1 54	20 54	1 4	7 54	0 22	24 9	0 58	23 58	0 39	24 2	0 18	20 17	1 13	6 18	14 25	19 51	19 55	20 43		n.a.
M 7	8 41	3 49	4 54	13 52	1 52	20 49	0 59	8 11	0 23	24 10	0 58	23 58	0 39	24 2	0 18	20 17	1 13	6 17	14 24	19 48	19 54	20 42		n.a.
T 8	8 19	0s52	4 33	13 12	1 51	20 42	0 54	8 29	0 24	24 10	0 58	23 58	0 39	24 2	0 18	20 17	1 13	6 16	14 24	19 45	19 53	20 41		n.a.
W 9	7 56	5 35	3 58	12 32	1 48	20 35	0 49	8 46	0 24	24 10	0 58	23 58	0 39	24 2	0 18	20 17	1 13	6 15	14 24	19 43	19 52	20 40		n.a.
T 10	7 33	10 7	3 9	11 50	1 45	20 28	0 44	9 3	0 25	24 10	0 58	23 58	0 39	24 2	0 18	20 17	1 12	6 13	14 23	19 41	19 52	20 39		n.a.
F 11	7 11	14 12	2 8	11 8	1 42	20 20	0 39	9 20	0 26	24 10	0 58	23 58	0 39	24 2	0 18	20 17	1 12	6 12	14 23	19 40	19 51	20 38		n.a.
S 12	6 47	17 35	1 0	10 25	1 38	20 11	0 34	9 37	0 27	24 10	0 58	23 58	0 39	24 2	0 18	20 18	1 12	6 11	14 23	19 39	19 50	20 37		n.a.
S 13	6 24	20 0	0n13	9 42	1 34	20 2	0 29	9 53	0 27	24 10	0 58	23 58	0 39	24 2	0 18	20 18	1 12	6 10	14 22	19 39	19 49	20 37		n.a.
M14	6 1	21 14	1 26	8 58	1 30	19 52	0 24	10 10	0 28	24 10	0 58	23 58	0 39	24 2	0 18	20 18	1 12	6 9	14 22	19 39	19 49	20 36		n.a.
T 15	5 38	21 9	2 34	8 13	1 25	19 42	0 20	10 27	0 29	24 10	0 58	23 59	0 39	24 2	0 18	20 18	1 12	6 8	14 22	19 39	19 48	20 35		n.a.
W16	5 14	19 42	3 34	7 29	1 20	19 31	0 15	10 44	0 29	24 9	0 58	23 59	0 39	24 2	0 18	20 18	1 12	6 7	14 21	19 38	19 47	20 34		n.a.
T 17	4 51	17 1	4 21	6 44	1 15	19 19	0 11	11 0	0 30	24 9	0 58	23 59	0 39	24 2	0 18	20 19	1 12	6 6	14 21	19 37	19 46	20 33		n.a.
F 18	4 27	13 16	4 51	5 59	1 10	19 7	0 6	11 17	0 31	24 9	0 58	23 59	0 39	24 2	0 18	20 19	1 12	6 5	14 21	19 36	19 46	20 32		n.a.
S 19	4 3	8 47	5 3	5 13	1 4	18 55	0 2	11 34	0 31	24 9	0 58	23 59	0 39	24 2	0 18	20 19	1 12	6 4	14 21	19 33	19 45	20 31		n.a.
S 20	3 39	3 51	4 56	4 28	0 58	18 42	0n 3	11 50	0 32	24 9	0 58	23 59	0 39	24 2	0 18	20 19	1 12	6 3	14 20	19 31	19 44	20 30		n.a.
M21	3 15	1n13	4 31	3 42	0 52	18 28	0 7	12 6	0 33	24 9	0 58	23 59	0 39	24 2	0 18	20 19	1 12	6 2	14 20	19 28	19 44	20 29		n.a.
T 22	2 51	6 7	3 50	2 57	0 46	18 13	0 11	12 23	0 33	24 8	0 57	23 59	0 39	24 3	0 18	20 20	1 12	6 1	14 20	19 26	19 43	20 28		n.a.
W23	2 27	10 36	2 58	2 12	0 40	17 59	0 15	12 39	0 34	24 8	0 57	23 59	0 40	24 3	0 18	20 20	1 12	5 59	14 20	19 24	19 42	20 27		n.a.
T 24	2 3	14 27	1 58	1 26	0 34	17 43	0 19	12 55	0 34	24 8	0 57	23 59	0 40	24 3	0 18	20 20	1 12	5 58	14 19	19 23	19 41	20 26		n.a.
F 25	1 39	17 32	0 53	0 41	0 27	17 27	0 23	13 11	0 35	24 8	0 57	23 59	0 40	24 3	0 18	20 20	1 12	5 57	14 19	19 22	19 41	20 25		n.a.
S 26	1 15	19 43	0s13	0s 4	0 21	17 11	0 27	13 27	0 36	24 7	0 57	23 59	0 40	24 3	0 18	20 20	1 12	5 56	14 19	19 22	19 40	20 24		n.a.
S 27	0 51	20 57	1 17	0 49	0 14	16 54	0 31	13 43	0 36	24 7	0 57	23 59	0 40	24 3	0 18	20 21	1 12	5 55	14 19	19 22	19 39	20 23		n.a.
M28	0 27	21 13	2 16	1 34	0 8	16 36	0 35	13 58	0 37	24 7	0 57	23 59	0 40	24 3	0 19	20 21	1 12	5 54	14 18	19 23	19 38	20 22		n.a.
T 29	0 2	20 32	3 10	2 18	0 1	16 18	0 39	14 14	0 38	24 6	0 57	23 59	0 40	24 3	0 19	20 21	1 12	5 53	14 18	19 23	19 38	20 21		n.a.
W30	0s22	18n57	3s56	3s 3	0s 6	16n 0	0n42	14s30	0s38	24s 6	0s57	23s59	0s40	24n 3	0n19	20s21	1n12	5n52	14n18	19s22	19s37	20n20		n.a.

Julian Day Number = 1545250.5, Delta T = 04h34m46s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°44'03, Lahiri = -10°37'02 Julian Calendar 1 Sept. 483 BCE == Greg. Calendar 27 Aug. 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

OCTOBER 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 14 30	1♎54'25	27♋20	8♎56	20♌10	7♏21	12♑32	10♑40	28♊ 3	5♐41	18♎32	25°R23	26♏24	6♋ 4	n.a.	T 1
F 2	0 18 26	2°54'42	9♌27	10°31	21°20	8° 5	12°36	10°41	28° 3	5°42	18°35	25♏17	26°20	6°11	n.a.	F 2
S 3	0 22 23	3°55'01	21°48	12° 5	22°31	8°50	12°39	10°43	28° 4	5°43	18°37	25°10	26°17	6°17	n.a.	S 3
S 4	0 26 19	4°55'22	4♍25	13°38	23°42	9°35	12°43	10°44	28° 4	5°45	18°39	25° 1	26°14	6°24	n.a.	S 4
M 5	0 30 16	5°55'46	17°21	15°12	24°52	10°20	12°47	10°45	28° 4	5°46	18°42	24°51	26°11	6°31	n.a.	M 5
T 6	0 34 13	6°56'11	0♎34	16°44	26° 3	11° 5	12°51	10°47	28° 5	5°47	18°44	24°43	26° 8	6°37	n.a.	T 6
W 7	0 38 9	7°56'38	14° 4	18°17	27°14	11°50	12°56	10°49	28° 5	5°49	18°47	24°35	26° 5	6°44	n.a.	W 7
T 8	0 42 6	8°57'06	27°47	19°49	28°25	12°35	13° 0	10°50	28° 5	5°50	18°49	24°30	26° 1	6°51	n.a.	T 8
F 9	0 46 2	9°57'37	11♏41	21°21	29°37	13°20	13° 5	10°52	28° 5	5°52	18°51	24°27	25°58	6°57	n.a.	F 9
S 10	0 49 59	10°58'09	25°42	22°52	0♍48	14° 5	13°10	10°54	28°R 5	5°53	18°54	24°D27	25°55	7° 4	n.a.	S 10
S 11	0 53 55	11°58'42	9♐48	24°23	2° 0	14°51	13°15	10°56	28° 5	5°55	18°56	24°27	25°52	7°11	n.a.	S 11
M12	0 57 52	12°59'17	23°57	25°54	3°11	15°36	13°21	10°58	28° 5	5°56	18°59	24°29	25°49	7°17	n.a.	M12
T 13	1 1 48	13°59'53	8♑ 6	27°24	4°23	16°21	13°26	11° 0	28° 5	5°58	19° 1	24°R30	25°45	7°24	n.a.	T 13
W14	1 5 45	15° 0'31	22°14	28°54	5°35	17° 7	13°32	11° 3	28° 5	5°59	19° 3	24°30	25°42	7°31	n.a.	W14
T 15	1 9 42	16° 1'10	6♒20	0♏24	6°47	17°52	13°38	11° 5	28° 4	6° 1	19° 6	24°28	25°39	7°37	n.a.	T 15
F 16	1 13 38	17° 1'50	20°22	1°53	7°59	18°38	13°44	11° 8	28° 4	6° 3	19° 8	24°25	25°36	7°44	n.a.	F 16
S 17	1 17 35	18° 2'31	4♓17	3°22	9°11	19°23	13°50	11°10	28° 4	6° 4	19°11	24°20	25°33	7°51	n.a.	S 17
S 18	1 21 31	19° 3'14	18° 3	4°50	10°23	20° 9	13°56	11°13	28° 3	6° 6	19°13	24°14	25°30	7°57	n.a.	S 18
M19	1 25 28	20° 3'58	1♈37	6°18	11°35	20°55	14° 3	11°16	28° 3	6° 8	19°15	24° 8	25°26	8° 4	n.a.	M19
T 20	1 29 24	21° 4'43	14°57	7°45	12°48	21°41	14° 9	11°19	28° 2	6° 9	19°18	24° 3	25°23	8°11	n.a.	T 20
W21	1 33 21	22° 5'30	28° 1	9°12	14° 0	22°26	14°16	11°22	28° 2	6°11	19°20	23°59	25°20	8°18	n.a.	W21
T 22	1 37 17	23° 6'18	10♉48	10°38	15°13	23°12	14°23	11°25	28° 1	6°13	19°23	23°56	25°17	8°24	n.a.	T 22
F 23	1 41 14	24° 7'08	23°18	12° 4	16°26	23°58	14°30	11°28	28° 0	6°15	19°25	23°D55	25°14	8°31	n.a.	F 23
S 24	1 45 11	25° 7'59	5♊34	13°28	17°39	24°44	14°38	11°31	28° 0	6°16	19°28	23°56	25°11	8°38	n.a.	S 24
S 25	1 49 7	26° 8'51	17°37	14°52	18°51	25°30	14°45	11°35	27°59	6°18	19°30	23°57	25° 7	8°44	n.a.	S 25
M26	1 53 4	27° 9'46	29°31	16°15	20° 4	26°16	14°53	11°38	27°58	6°20	19°32	23°59	25° 4	8°51	n.a.	M26
T 27	1 57 0	28°10'41	11♋21	17°36	21°18	27° 2	15° 0	11°41	27°57	6°22	19°35	24° 1	25° 1	8°58	n.a.	T 27
W28	2 0 57	29°11'38	23°12	18°57	22°31	27°48	15° 8	11°45	27°56	6°24	19°37	24° 2	24°58	9° 4	n.a.	W28
T 29	2 4 53	0♏12'37	5♌ 8	20°15	23°44	28°34	15°16	11°49	27°55	6°26	19°40	24°R 2	24°55	9°11	n.a.	T 29
F 30	2 8 50	1°13'37	17°14	21°32	24°57	29°21	15°25	11°53	27°54	6°28	19°42	24° 1	24°51	9°18	n.a.	F 30
S 31	2 12 46	2♏14'38	29♌35	22♏47	26♍10	0♐ 7	15♑33	11♑57	27♊53	6♐30	19♎44	23♏59	24♏48	9♋24	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	0s46	16n32	4s31	3s46	0s12	15n41	0n46	14s45	0s39	24s 6	0s57	23s59	0s40	24n 3	0n19	20s22	1n11	5n51	14n18	19s21	19s36	20n19			n.a.
F 2	1 10	13 23	4 55	4 30	0 19	15 21	0 49	15 0	0 39	24 5	0 57	23 58	0 40	24 3	0 19	20 22	1 11	5 50	14 18	19 20	19 35	20 19			n.a.
S 3	1 35	9 36	5 6	5 13	0 25	15 1	0 53	15 16	0 40	24 5	0 57	23 58	0 40	24 3	0 19	20 22	1 11	5 49	14 17	19 18	19 35	20 18			n.a.
S 4	1 59	5 19	5 3	5 56	0 32	14 41	0 56	15 31	0 41	24 4	0 57	23 58	0 40	24 3	0 19	20 23	1 11	5 48	14 17	19 16	19 34	20 17			n.a.
M 5	2 23	0 43	4 44	6 39	0 38	14 20	0 59	15 46	0 41	24 4	0 56	23 58	0 40	24 3	0 19	20 23	1 11	5 47	14 17	19 14	19 33	20 16			n.a.
T 6	2 47	4s 2	4 9	7 21	0 45	13 58	1 2	16 0	0 42	24 3	0 56	23 58	0 40	24 3	0 19	20 23	1 11	5 46	14 17	19 12	19 32	20 15			n.a.
W 7	3 11	8 41	3 21	8 3	0 51	13 37	1 5	16 15	0 42	24 3	0 56	23 58	0 40	24 3	0 19	20 23	1 11	5 45	14 17	19 10	19 32	20 14			n.a.
T 8	3 36	12 59	2 19	8 44	0 58	13 14	1 8	16 30	0 43	24 2	0 56	23 58	0 40	24 3	0 19	20 24	1 11	5 44	14 17	19 9	19 31	20 13			n.a.
F 9	4 0	16 37	1 9	9 25	1 4	12 52	1 11	16 44	0 43	24 2	0 56	23 58	0 40	24 3	0 19	20 24	1 11	5 43	14 16	19 8	19 30	20 12			n.a.
S 10	4 24	19 20	0n 7	10 5	1 10	12 29	1 14	16 58	0 44	24 1	0 56	23 58	0 40	24 3	0 19	20 24	1 11	5 42	14 16	19 8	19 29	20 10			n.a.
S 11	4 48	20 51	1 22	10 45	1 16	12 5	1 17	17 12	0 44	24 1	0 56	23 57	0 40	24 3	0 19	20 25	1 11	5 41	14 16	19 8	19 28	20 9			n.a.
M12	5 12	21 4	2 33	11 24	1 22	11 42	1 19	17 26	0 45	24 0	0 56	23 57	0 40	24 3	0 19	20 25	1 11	5 40	14 16	19 8	19 28	20 8			n.a.
T 13	5 35	19 56	3 35	12 3	1 28	11 18	1 22	17 40	0 46	23 59	0 56	23 57	0 40	24 3	0 19	20 25	1 11	5 39	14 16	19 8	19 27	20 7			n.a.
W14	5 59	17 34	4 23	12 41	1 33	10 53	1 24	17 54	0 46	23 59	0 56	23 57	0 40	24 3	0 19	20 25	1 11	5 38	14 16	19 8	19 26	20 6			n.a.
T 15	6 23	14 10	4 56	13 18	1 39	10 28	1 26	18 7	0 47	23 58	0 56	23 57	0 40	24 3	0 19	20 26	1 11	5 37	14 16	19 8	19 25	20 5			n.a.
F 16	6 46	9 59	5 10	13 54	1 44	10 3	1 28	18 21	0 47	23 57	0 56	23 56	0 40	24 3	0 19	20 26	1 11	5 36	14 16	19 7	19 25	20 4			n.a.
S 17	7 10	5 19	5 6	14 30	1 49	9 38	1 31	18 34	0 48	23 57	0 56	23 56	0 40	24 3	0 19	20 26	1 11	5 35	14 16	19 6	19 24	20 3			n.a.
S 18	7 33	0 25	4 45	15 5	1 54	9 12	1 33	18 47	0 48	23 56	0 56	23 56	0 40	24 3	0 19	20 27	1 11	5 34	14 16	19 4	19 23	20 2			n.a.
M19	7 57	4n25	4 7	15 39	1 59	8 46	1 35	19 0	0 49	23 55	0 55	23 56	0 40	24 3	0 19	20 27	1 11	5 33	14 16	19 3	19 22	20 1			n.a.
T 20	8 20	8 59	3 17	16 13	2 3	8 19	1 36	19 13	0 49	23 54	0 55	23 56	0 40	24 3	0 19	20 27	1 11	5 32	14 15	19 2	19 22	20 0			n.a.
W21	8 43	13 2	2 17	16 45	2 7	7 53	1 38	19 25	0 50	23 54	0 55	23 55	0 40	24 3	0 19	20 28	1 11	5 31	14 15	19 1	19 21	19 59			n.a.
T 22	9 6	16 23	1 11	17 16	2 11	7 26	1 40	19 37	0 50	23 53	0 55	23 55	0 40	24 3	0 19	20 28	1 11	5 30	14 15	19 0	19 20	19 58			n.a.
F 23	9 28	18 54	0 3	17 47	2 14	6 58	1 41	19 49	0 51	23 52	0 55	23 55	0 40	24 3	0 19	20 28	1 11	5 29	14 15	19 0	19 19	19 57			n.a.
S 24	9 51	20 28	1s 3	18 16	2 17	6 31	1 43	20 1	0 51	23 51	0 55	23 55	0 40	24 3	0 19	20 29	1 11	5 28	14 15	19 0	19 18	19 56			n.a.
S 25	10 13	21 4	2 7	18 44	2 20	6 3	1 44	20 13	0 51	23 50	0 55	23 54	0 40	24 3	0 19	20 29	1 10	5 27	14 15	19 0	19 18	19 55			n.a.
M26	10 36	20 42	3 3	19 11	2 22	5 35	1 45	20 25	0 52	23 49	0 55	23 54	0 40	24 3	0 19	20 30	1 10	5 27	14 15	19 1	19 17	19 54			n.a.
T 27	10 58	19 24	3 52	19 37	2 24	5 7	1 46	20 36	0 52	23 48	0 55	23 54	0 40	24 3	0 19	20 30	1 10	5 26	14 15	19 1	19 16	19 53			n.a.
W28	11 20	17 17	4 31	20 1	2 26	4 39	1 48	20 47	0 53	23 47	0 55	23 53	0 40	24 3	0 19	20 30	1 10	5 25	14 15	19 2	19 15	19 52			n.a.
T 29	11 42	14 25	4 58	20 23	2 26	4 11	1 49	20 58	0 53	23 46	0 55	23 53	0 40	24 3	0 19	20 31	1 10	5 24	14 15	19 2	19 15	19 50			n.a.
F 30	12 3	10 54	5 13	20 44	2 27	3 42	1 49	21 9	0 54	23 45	0 55	23 53	0 40	24 3	0 19	20 31	1 10	5 23	14 15	19 1	19 14	19 49			n.a.
S 31	12s25	6n53	5s14	21s 4	2s26	3n13	1n50	21s19	0s54	23s44	0s55	23s52	0s40	24n 3	0n19	20s31	1n10	5n22	14n15	19s 1	19s13	19n48			n.a.

Julian Day Number = 1545280.5, Delta T = 04h34m45s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'59, Lahiri = -10°36'58 Julian Calendar 1 Oct. 483 BCE == Greg. Calendar 26 Sept. 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

NOVEMBER 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 16 43	3♏15'41	12♍14	23♏59	27♍24	0♐53	15♑42	12♑ 0	27°R52	6♐32	19♎47	23°R56	24♏45	9♋31	n.a.	S 1
M 2	2 20 40	4°16'44	25°15	25° 9	28°37	1°40	15°50	12° 5	27♊51	6°33	19°49	23♏53	24°42	9°38	n.a.	M 2
T 3	2 24 36	5°17'49	8♎39	26°15	29°51	2°26	15°59	12° 9	27°49	6°35	19°51	23°50	24°39	9°44	n.a.	T 3
W 4	2 28 33	6°18'56	22°24	27°18	1♎ 5	3°12	16° 8	12°13	27°48	6°38	19°54	23°48	24°36	9°51	n.a.	W 4
T 5	2 32 29	7°20'03	6♏29	28°17	2°18	3°59	16°17	12°17	27°47	6°40	19°56	23°46	24°32	9°58	n.a.	T 5
F 6	2 36 26	8°21'11	20°49	29°11	3°32	4°45	16°26	12°22	27°45	6°42	19°58	23°D46	24°29	10° 4	n.a.	F 6
S 7	2 40 22	9°22'20	5♐20	29°59	4°46	5°32	16°36	12°26	27°44	6°44	20° 1	23°46	24°26	10°11	n.a.	S 7
S 8	2 44 19	10°23'30	19°54	0♐42	6° 0	6°19	16°45	12°31	27°42	6°46	20° 3	23°47	24°23	10°18	n.a.	S 8
M 9	2 48 15	11°24'40	4♑27	1°17	7°13	7° 5	16°55	12°35	27°41	6°48	20° 5	23°48	24°20	10°25	n.a.	M 9
T 10	2 52 12	12°25'51	18°53	1°45	8°27	7°52	17° 4	12°40	27°39	6°50	20° 8	23°49	24°17	10°31	n.a.	T 10
W11	2 56 9	13°27'02	3♒ 9	2° 4	9°41	8°39	17°14	12°45	27°38	6°52	20°10	23°49	24°13	10°38	n.a.	W11
T 12	3 0 5	14°28'13	17°13	2°R13	10°55	9°25	17°24	12°50	27°36	6°54	20°12	23°R49	24°10	10°45	n.a.	T 12
F 13	3 4 2	15°29'25	1♓ 4	2°12	12° 9	10°12	17°34	12°55	27°34	6°56	20°14	23°49	24° 7	10°51	n.a.	F 13
S 14	3 7 58	16°30'37	14°40	2° 0	13°23	10°59	17°44	13° 0	27°33	6°58	20°17	23°49	24° 4	10°58	n.a.	S 14
S 15	3 11 55	17°31'49	28° 2	1°36	14°38	11°46	17°55	13° 5	27°31	7° 1	20°19	23°48	24° 1	11° 5	n.a.	S 15
M16	3 15 51	18°33'02	11♈10	1° 0	15°52	12°33	18° 5	13°10	27°29	7° 3	20°21	23°47	23°57	11°11	n.a.	M16
T 17	3 19 48	19°34'14	24° 4	0°13	17° 6	13°19	18°16	13°15	27°27	7° 5	20°23	23°46	23°54	11°18	n.a.	T 17
W18	3 23 44	20°35'28	6♉46	29♏16	18°20	14° 6	18°26	13°20	27°25	7° 7	20°25	23°46	23°51	11°25	n.a.	W18
T 19	3 27 41	21°36'41	19°15	28° 9	19°34	14°53	18°37	13°26	27°23	7° 9	20°28	23°D46	23°48	11°31	n.a.	T 19
F 20	3 31 38	22°37'55	1♊33	26°55	20°49	15°40	18°48	13°31	27°21	7°12	20°30	23°46	23°45	11°38	n.a.	F 20
S 21	3 35 34	23°39'09	13°41	25°35	22° 3	16°27	18°59	13°36	27°19	7°14	20°32	23°R46	23°42	11°45	n.a.	S 21
S 22	3 39 31	24°40'24	25°40	24°13	23°17	17°14	19°10	13°42	27°17	7°16	20°34	23°46	23°38	11°51	n.a.	S 22
M23	3 43 27	25°41'39	7♋33	22°51	24°32	18° 1	19°21	13°48	27°15	7°18	20°36	23°46	23°35	11°58	n.a.	M23
T 24	3 47 24	26°42'55	19°24	21°32	25°46	18°48	19°33	13°53	27°13	7°20	20°38	23°45	23°32	12° 5	n.a.	T 24
W25	3 51 20	27°44'10	1♌14	20°18	27° 1	19°35	19°44	13°59	27°11	7°23	20°40	23°45	23°29	12°12	n.a.	W25
T 26	3 55 17	28°45'27	13° 9	19°12	28°15	20°23	19°55	14° 5	27° 9	7°25	20°42	23°45	23°26	12°18	n.a.	T 26
F 27	3 59 14	29°46'43	25°12	18°14	29°30	21°10	20° 7	14°11	27° 6	7°27	20°44	23°D44	23°22	12°25	n.a.	F 27
S 28	4 3 10	0♐48'00	7♍29	17°27	0♏44	21°57	20°19	14°17	27° 4	7°29	20°46	23°44	23°19	12°32	n.a.	S 28
S 29	4 7 7	1°49'17	20° 4	16°49	1°59	22°44	20°30	14°23	27° 2	7°32	20°48	23°45	23°16	12°38	n.a.	S 29
M30	4 11 3	2♐50'34	3♎ 1	16♏22	3♏13	23♐31	20♑42	14♑29	27♊ 0	7♐34	20♎50	23♏45	23♏13	12♋45	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s46	2n27	4s59	21s22	2s25	2n44	1n51	21s29	0s55	23s43	0s55	23s52	0s40	24n 3	0n19	20s32	1n10	5n21	14n16	19s 0	19s12	19n47		n.a.
M 2	13 7	2s12	4 29	21 37	2 24	2 15	1 51	21 40	0 55	23 42	0 55	23 52	0 40	24 3	0 19	20 32	1 10	5 21	14 16	18 59	19 11	19 46		n.a.
T 3	13 27	6 54	3 44	21 51	2 21	1 46	1 52	21 49	0 55	23 41	0 54	23 51	0 40	24 3	0 19	20 32	1 10	5 20	14 16	18 59	19 11	19 45		n.a.
W 4	13 48	11 22	2 45	22 3	2 18	1 17	1 52	21 59	0 56	23 40	0 54	23 51	0 40	24 3	0 19	20 33	1 10	5 19	14 16	18 58	19 10	19 44		n.a.
T 5	14 8	15 20	1 34	22 12	2 13	0 48	1 53	22 8	0 56	23 39	0 54	23 51	0 40	24 3	0 20	20 33	1 10	5 18	14 16	18 58	19 9	19 43		n.a.
F 6	14 28	18 27	0 16	22 19	2 8	0 18	1 53	22 17	0 57	23 37	0 54	23 50	0 40	24 3	0 20	20 34	1 10	5 17	14 16	18 57	19 8	19 42		n.a.
S 7	14 48	20 26	1n 4	22 23	2 1	0s11	1 53	22 26	0 57	23 36	0 54	23 50	0 40	24 3	0 20	20 34	1 10	5 17	14 16	18 57	19 8	19 41		n.a.
S 8	15 8	21 2	2 20	22 25	1 54	0 41	1 53	22 35	0 57	23 35	0 54	23 49	0 40	24 3	0 20	20 34	1 10	5 16	14 16	18 58	19 7	19 39		n.a.
M 9	15 27	20 14	3 27	22 24	1 45	1 10	1 53	22 43	0 58	23 34	0 54	23 49	0 40	24 3	0 20	20 35	1 10	5 15	14 16	18 58	19 6	19 38		n.a.
T 10	15 46	18 6	4 20	22 19	1 34	1 40	1 53	22 52	0 58	23 32	0 54	23 48	0 40	24 3	0 20	20 35	1 10	5 14	14 16	18 58	19 5	19 37		n.a.
W11	16 5	14 54	4 57	22 12	1 23	2 10	1 53	22 59	0 58	23 31	0 54	23 48	0 40	24 3	0 20	20 35	1 10	5 14	14 16	18 58	19 4	19 36		n.a.
T 12	16 23	10 52	5 15	22 1	1 9	2 39	1 53	23 7	0 59	23 30	0 54	23 48	0 40	24 3	0 20	20 36	1 10	5 13	14 17	18 58	19 4	19 35		n.a.
F 13	16 42	6 20	5 15	21 46	0 55	3 9	1 52	23 15	0 59	23 28	0 54	23 47	0 40	24 3	0 20	20 36	1 10	5 12	14 17	18 58	19 3	19 34		n.a.
S 14	16 59	1 34	4 57	21 28	0 39	3 38	1 52	23 22	0 59	23 27	0 54	23 47	0 40	24 3	0 20	20 37	1 10	5 12	14 17	18 58	19 2	19 33		n.a.
S 15	17 17	3n13	4 23	21 6	0 21	4 8	1 51	23 29	1 0	23 25	0 54	23 46	0 40	24 3	0 20	20 37	1 10	5 11	14 17	18 58	19 1	19 31		n.a.
M16	17 34	7 46	3 35	20 40	0 3	4 37	1 51	23 35	1 0	23 24	0 54	23 46	0 40	24 3	0 20	20 37	1 10	5 10	14 17	18 58	19 0	19 30		n.a.
T 17	17 51	11 54	2 38	20 12	0n17	5 7	1 50	23 42	1 0	23 23	0 54	23 45	0 40	24 3	0 20	20 38	1 10	5 10	14 17	18 58	19 0	19 29		n.a.
W18	18 8	15 25	1 33	19 39	0 37	5 36	1 49	23 48	1 1	23 21	0 54	23 45	0 40	24 3	0 20	20 38	1 10	5 9	14 18	18 58	18 59	19 28		n.a.
T 19	18 24	18 10	0 25	19 5	0 57	6 5	1 48	23 53	1 1	23 19	0 54	23 44	0 40	24 3	0 20	20 39	1 10	5 8	14 18	18 57	18 58	19 27		n.a.
F 20	18 40	20 2	0s43	18 28	1 17	6 34	1 47	23 59	1 1	23 18	0 54	23 44	0 40	24 3	0 20	20 39	1 10	5 8	14 18	18 58	18 57	19 26		n.a.
S 21	18 56	20 57	1 48	17 51	1 37	7 3	1 46	24 4	1 1	23 16	0 54	23 43	0 41	24 3	0 20	20 39	1 10	5 7	14 18	18 58	18 56	19 25		n.a.
S 22	19 11	20 53	2 48	17 13	1 55	7 32	1 45	24 9	1 2	23 15	0 54	23 43	0 41	24 3	0 20	20 40	1 10	5 7	14 18	18 57	18 56	19 23		n.a.
M23	19 26	19 52	3 40	16 37	2 11	8 1	1 44	24 14	1 2	23 13	0 54	23 42	0 41	24 3	0 20	20 40	1 10	5 6	14 19	18 57	18 55	19 22		n.a.
T 24	19 41	18 0	4 22	16 2	2 26	8 29	1 43	24 18	1 2	23 11	0 53	23 41	0 41	24 3	0 20	20 40	1 10	5 5	14 19	18 57	18 54	19 21		n.a.
W25	19 55	15 22	4 53	15 31	2 38	8 58	1 42	24 23	1 3	23 10	0 53	23 41	0 41	24 3	0 20	20 41	1 10	5 5	14 19	18 57	18 53	19 20		n.a.
T 26	20 9	12 6	5 12	15 3	2 48	9 26	1 40	24 26	1 3	23 8	0 53	23 40	0 41	24 3	0 20	20 41	1 10	5 4	14 19	18 57	18 52	19 19		n.a.
F 27	20 22	8 18	5 17	14 40	2 56	9 54	1 39	24 30	1 3	23 6	0 53	23 40	0 41	24 3	0 20	20 42	1 10	5 4	14 19	18 57	18 52	19 17		n.a.
S 28	20 35	4 6	5 8	14 22	3 1	10 22	1 37	24 33	1 3	23 4	0 53	23 39	0 41	24 3	0 20	20 42	1 10	5 3	14 20	18 57	18 51	19 16		n.a.
S 29	20 48	0s22	4 45	14 8	3 5	10 49	1 36	24 36	1 3	23 3	0 53	23 38	0 41	24 3	0 20	20 42	1 10	5 3	14 20	18 57	18 50	19 15		n.a.
M30	21s 0	4s58	4s 6	13s59	3n 6	11s16	1n34	24s39	1s 4	23s 1	0s53	23s38	0s41	24n 3	0n20	20s43	1n10	5n 2	14n20	18s57	18s49	19n14		n.a.

Julian Day Number = 1545311.5, Delta T = 04h34m43s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'55, Lahiri = -10°36'54 Julian Calendar 1 Nov. 483 BCE == Greg. Calendar 27 Oct. 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 483 BCE
geocentric

DECEMBER 483 BCE (-482) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 15 0	3♐51'51	16♎22	16°R 6	4♏28	24♐18	20♑54	14♑35	26°R57	7♐36	20♎52	23♏46	23♏10	12♋52	n.a.	T 1
W 2	4 18 56	4°53'08	0♏10	15°D59	5°42	25° 6	21° 6	14°41	26♊55	7°39	20°54	23°47	23° 7	12°58	n.a.	W 2
T 3	4 22 53	5°54'26	14°23	16♏ 1	6°57	25°53	21°18	14°47	26°53	7°41	20°56	23°48	23° 3	13° 5	n.a.	T 3
F 4	4 26 49	6°55'44	28°59	16°12	8°12	26°40	21°31	14°53	26°50	7°43	20°58	23°R48	23° 0	13°12	n.a.	F 4
S 5	4 30 46	7°57'01	13♐52	16°31	9°26	27°28	21°43	14°59	26°48	7°45	20°59	23°47	22°57	13°18	n.a.	S 5
S 6	4 34 43	8°58'18	28°52	16°57	10°41	28°15	21°55	15° 6	26°45	7°48	21° 1	23°46	22°54	13°25	n.a.	S 6
M 7	4 38 39	9°59'35	13♑53	17°29	11°56	29° 2	22° 8	15°12	26°43	7°50	21° 3	23°44	22°51	13°32	n.a.	M 7
T 8	4 42 36	11° 0'51	28°45	18° 7	13°10	29°49	22°20	15°19	26°40	7°52	21° 5	23°42	22°48	13°39	n.a.	T 8
W 9	4 46 32	12° 2'06	13♒21	18°50	14°25	0♑37	22°33	15°25	26°38	7°54	21° 7	23°40	22°44	13°45	n.a.	W 9
T 10	4 50 29	13° 3'20	27°37	19°38	15°40	1°24	22°46	15°31	26°35	7°57	21° 8	23°38	22°41	13°52	n.a.	T 10
F 11	4 54 25	14° 4'34	11♓30	20°30	16°55	2°12	22°58	15°38	26°33	7°59	21°10	23°D37	22°38	13°59	n.a.	F 11
S 12	4 58 22	15° 5'47	25° 1	21°26	18° 9	2°59	23°11	15°45	26°30	8° 1	21°12	23°38	22°35	14° 5	n.a.	S 12
S 13	5 2 18	16° 6'59	8♈10	22°25	19°24	3°46	23°24	15°51	26°28	8° 4	21°13	23°39	22°32	14°12	n.a.	S 13
M14	5 6 15	17° 8'10	21° 1	23°28	20°39	4°34	23°37	15°58	26°25	8° 6	21°15	23°40	22°28	14°19	n.a.	M14
T 15	5 10 12	18° 9'20	3♉37	24°33	21°53	5°21	23°50	16° 5	26°23	8° 8	21°16	23°42	22°25	14°25	n.a.	T 15
W16	5 14 8	19°10'30	16° 0	25°40	23° 8	6° 8	24° 3	16°11	26°20	8°10	21°18	23°43	22°22	14°32	n.a.	W16
T 17	5 18 5	20°11'38	28°12	26°50	24°23	6°56	24°16	16°18	26°17	8°13	21°19	23°R43	22°19	14°39	n.a.	T 17
F 18	5 22 1	21°12'46	10♊17	28° 1	25°38	7°43	24°29	16°25	26°15	8°15	21°21	23°42	22°16	14°45	n.a.	F 18
S 19	5 25 58	22°13'53	22°16	29°15	26°52	8°31	24°43	16°32	26°12	8°17	21°22	23°39	22°13	14°52	n.a.	S 19
S 20	5 29 54	23°14'59	4♋10	0♐30	28° 7	9°18	24°56	16°39	26°10	8°19	21°24	23°35	22° 9	14°59	n.a.	S 20
M21	5 33 51	24°16'04	16° 1	1°46	29°22	10° 5	25° 9	16°46	26° 7	8°21	21°25	23°30	22° 6	15° 6	n.a.	M21
T 22	5 37 48	25°17'08	27°52	3° 4	0♐37	10°53	25°23	16°53	26° 4	8°24	21°26	23°24	22° 3	15°12	n.a.	T 22
W23	5 41 44	26°18'12	9♌44	4°24	1°51	11°40	25°36	16°59	26° 2	8°26	21°28	23°18	22° 0	15°19	n.a.	W23
T 24	5 45 41	27°19'15	21°40	5°44	3° 6	12°28	25°50	17° 6	25°59	8°28	21°29	23°12	21°57	15°26	n.a.	T 24
F 25	5 49 37	28°20'17	3♍44	7° 6	4°21	13°15	26° 3	17°13	25°57	8°30	21°30	23° 8	21°54	15°32	n.a.	F 25
S 26	5 53 34	29°21'18	15°58	8°28	5°36	14° 2	26°17	17°21	25°54	8°32	21°32	23° 5	21°50	15°39	n.a.	S 26
S 27	5 57 30	0♑22'18	28°28	9°52	6°50	14°50	26°31	17°28	25°51	8°34	21°33	23°D 4	21°47	15°46	n.a.	S 27
M28	6 1 27	1°23'17	11♎16	11°17	8° 5	15°37	26°44	17°35	25°49	8°37	21°34	23° 5	21°44	15°52	n.a.	M28
T 29	6 5 23	2°24'16	24°29	12°43	9°20	16°24	26°58	17°42	25°46	8°39	21°35	23° 6	21°41	15°59	n.a.	T 29
W30	6 9 20	3°25'13	8♏ 8	14° 9	10°35	17°12	27°12	17°49	25°43	8°41	21°36	23° 7	21°38	16° 6	n.a.	W30
T 31	6 13 17	4♑26'10	22♏14	15♐36	11♐50	17♑59	27♑26	17♑56	25♊41	8♐43	21♎37	23°R 8	21♏34	16♋13	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s12	9s29	3s13	13s54	3n 6	11s43	1n33	24s42	1s 4	22s59	0s53	23s37	0s41	24n 3	0n20	20s43	1n10	5n 2	14n20	18s58	18s48	19n13		n.a.
W 2	21 23	13 40	2 7	13 54	3 4	12 10	1 31	24 44	1 4	22 57	0 53	23 37	0 41	24 3	0 20	20 44	1 10	5 1	14 21	18 58	18 48	19 11		n.a.
T 3	21 34	17 11	0 52	13 58	3 1	12 37	1 29	24 46	1 4	22 55	0 53	23 36	0 41	24 3	0 20	20 44	1 10	5 1	14 21	18 58	18 47	19 10		n.a.
F 4	21 45	19 44	0n29	14 5	2 56	13 3	1 27	24 47	1 5	22 53	0 53	23 35	0 41	24 3	0 20	20 44	1 10	5 1	14 21	18 58	18 46	19 9		n.a.
S 5	21 55	20 58	1 49	14 15	2 51	13 29	1 25	24 48	1 5	22 51	0 53	23 34	0 41	24 3	0 20	20 45	1 10	5 0	14 22	18 58	18 45	19 8		n.a.
S 6	22 5	20 43	3 2	14 28	2 45	13 54	1 23	24 49	1 5	22 49	0 53	23 34	0 41	24 3	0 20	20 45	1 10	5 0	14 22	18 58	18 44	19 7		n.a.
M 7	22 14	18 59	4 3	14 44	2 39	14 19	1 21	24 50	1 5	22 47	0 53	23 33	0 41	24 3	0 20	20 45	1 10	4 59	14 22	18 57	18 43	19 5		n.a.
T 8	22 23	16 0	4 47	15 1	2 32	14 44	1 19	24 50	1 5	22 45	0 53	23 32	0 41	24 3	0 20	20 46	1 10	4 59	14 22	18 56	18 43	19 4		n.a.
W 9	22 32	12 4	5 11	15 21	2 24	15 9	1 17	24 50	1 5	22 43	0 53	23 32	0 41	24 3	0 20	20 46	1 10	4 59	14 23	18 56	18 42	19 3		n.a.
T 10	22 40	7 32	5 15	15 41	2 16	15 33	1 15	24 50	1 6	22 41	0 53	23 31	0 41	24 3	0 20	20 47	1 10	4 58	14 23	18 56	18 41	19 2		n.a.
F 11	22 47	2 43	5 1	16 3	2 8	15 56	1 13	24 50	1 6	22 38	0 53	23 30	0 41	24 3	0 20	20 47	1 10	4 58	14 23	18 55	18 40	19 0		n.a.
S 12	22 54	2n 7	4 30	16 26	2 0	16 20	1 11	24 49	1 6	22 36	0 53	23 30	0 41	24 3	0 20	20 47	1 9	4 58	14 24	18 55	18 39	18 59		n.a.
S 13	23 1	6 43	3 45	16 50	1 51	16 42	1 9	24 48	1 6	22 34	0 53	23 29	0 41	24 2	0 20	20 48	1 9	4 58	14 24	18 56	18 39	18 58		n.a.
M14	23 7	10 56	2 51	17 14	1 42	17 5	1 6	24 46	1 6	22 32	0 53	23 28	0 41	24 2	0 20	20 48	1 9	4 57	14 24	18 56	18 38	18 57		n.a.
T 15	23 13	14 35	1 49	17 38	1 34	17 27	1 4	24 45	1 6	22 29	0 53	23 27	0 41	24 2	0 20	20 48	1 9	4 57	14 25	18 57	18 37	18 55		n.a.
W16	23 18	17 31	0 42	18 3	1 25	17 48	1 2	24 43	1 6	22 27	0 53	23 26	0 41	24 2	0 20	20 49	1 9	4 57	14 25	18 57	18 36	18 54		n.a.
T 17	23 23	19 37	0s25	18 28	1 16	18 9	0 59	24 40	1 6	22 25	0 53	23 26	0 41	24 2	0 20	20 49	1 9	4 57	14 25	18 57	18 35	18 53		n.a.
F 18	23 27	20 48	1 30	18 53	1 8	18 30	0 57	24 38	1 6	22 22	0 53	23 25	0 41	24 2	0 20	20 50	1 9	4 56	14 26	18 57	18 34	18 52		n.a.
S 19	23 31	21 1	2 30	19 18	0 59	18 50	0 54	24 35	1 7	22 20	0 53	23 24	0 42	24 2	0 20	20 50	1 9	4 56	14 26	18 56	18 34	18 50		n.a.
S 20	23 35	20 18	3 24	19 42	0 50	19 9	0 52	24 32	1 7	22 18	0 53	23 23	0 42	24 2	0 20	20 50	1 9	4 56	14 27	18 55	18 33	18 49		n.a.
M21	23 38	18 40	4 8	20 6	0 42	19 28	0 49	24 28	1 7	22 15	0 53	23 22	0 42	24 2	0 20	20 51	1 9	4 56	14 27	18 53	18 32	18 48		n.a.
T 22	23 40	16 16	4 41	20 30	0 33	19 47	0 47	24 24	1 7	22 13	0 53	23 22	0 42	24 2	0 20	20 51	1 9	4 56	14 27	18 52	18 31	18 47		n.a.
W23	23 42	13 11	5 3	20 53	0 25	20 5	0 44	24 20	1 7	22 10	0 53	23 21	0 42	24 2	0 20	20 51	1 9	4 56	14 28	18 50	18 30	18 45		n.a.
T 24	23 43	9 33	5 11	21 16	0 17	20 22	0 42	24 16	1 7	22 8	0 53	23 20	0 42	24 2	0 20	20 52	1 9	4 55	14 28	18 49	18 29	18 44		n.a.
F 25	23 44	5 31	5 6	21 38	0 9	20 39	0 39	24 11	1 7	22 5	0 53	23 19	0 42	24 2	0 20	20 52	1 9	4 55	14 28	18 48	18 29	18 43		n.a.
S 26	23 45	1 12	4 47	21 59	0 1	20 55	0 37	24 7	1 7	22 2	0 53	23 18	0 42	24 2	0 20	20 52	1 9	4 55	14 29	18 47	18 28	18 42		n.a.
S 27	23 45	3s16	4 14	22 20	0s 7	21 11	0 34	24 1	1 7	22 0	0 53	23 17	0 42	24 2	0 20	20 53	1 9	4 55	14 29	18 47	18 27	18 40		n.a.
M28	23 45	7 42	3 28	22 40	0 14	21 26	0 31	23 56	1 7	21 57	0 53	23 16	0 42	24 1	0 20	20 53	1 9	4 55	14 30	18 47	18 26	18 39		n.a.
T 29	23 44	11 55	2 30	22 58	0 22	21 40	0 29	23 50	1 7	21 54	0 53	23 16	0 42	24 1	0 20	20 53	1 10	4 55	14 30	18 47	18 25	18 38		n.a.
W30	23 42	15 40	1 21	23 16	0 29	21 54	0 26	23 44	1 7	21 52	0 53	23 15	0 42	24 1	0 20	20 54	1 10	4 55	14 30	18 48	18 24	18 36		n.a.
T 31	23s41	18s39	0s 5	23s33	0s36	22s 7	0n24	23s38	1s 7	21s49	0s53	23s14	0s42	24n 1	0n20	20s54	1n10	4n55	14n31	18s48	18s24	18n35		n.a.

Julian Day Number = 1545341.5, Delta T = 04h34m42s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'50, Lahiri = -10°36'50 Julian Calendar 1 Dec. 483 BCE == Greg. Calendar 26 Nov. 483 BCE

The year -482 astronomical counting style corresponds to year 483 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

JANUARY 482 BCE (-481) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 17 13	5♑27'06	6♐49	17♐ 5	13♐ 4	18♑47	27♑40	18♑ 3	25°R38	8♐45	21♎38	23°R 7	21♏31	16♋19	n.a.	F 1
S 2	6 21 10	6°28'01	21°46	18°34	14°19	19°34	27°54	18°10	25♊36	8°47	21°39	23♏ 5	21°28	16°26	n.a.	S 2
S 3	6 25 6	7°28'54	6♑58	20° 4	15°34	20°21	28° 8	18°18	25°33	8°49	21°40	23° 0	21°25	16°33	n.a.	S 3
M 4	6 29 3	8°29'46	22°16	21°34	16°49	21° 9	28°22	18°25	25°31	8°51	21°41	22°53	21°22	16°39	n.a.	M 4
T 5	6 32 59	9°30'37	7♒29	23° 6	18° 3	21°56	28°36	18°32	25°28	8°53	21°42	22°46	21°19	16°46	n.a.	T 5
W 6	6 36 56	10°31'26	22°26	24°38	19°18	22°43	28°50	18°39	25°26	8°55	21°43	22°38	21°15	16°53	n.a.	W 6
T 7	6 40 52	11°32'13	6♓59	26°11	20°33	23°30	29° 4	18°47	25°23	8°57	21°44	22°32	21°12	16°59	n.a.	T 7
F 8	6 44 49	12°32'59	21° 5	27°45	21°48	24°18	29°18	18°54	25°21	8°59	21°45	22°28	21° 9	17° 6	n.a.	F 8
S 9	6 48 46	13°33'42	4♈41	29°20	23° 2	25° 5	29°32	19° 1	25°18	9° 1	21°45	22°26	21° 6	17°13	n.a.	S 9
S 10	6 52 42	14°34'24	17°51	0♑55	24°17	25°52	29°47	19° 8	25°16	9° 3	21°46	22°D25	21° 3	17°20	n.a.	S 10
M11	6 56 39	15°35'04	0♉38	2°31	25°32	26°39	0♒ 1	19°16	25°13	9° 5	21°47	22°26	21° 0	17°26	n.a.	M11
T 12	7 0 35	16°35'42	13° 5	4° 9	26°46	27°27	0°15	19°23	25°11	9° 7	21°47	22°27	20°56	17°33	n.a.	T 12
W13	7 4 32	17°36'19	25°17	5°47	28° 1	28°14	0°29	19°30	25° 9	9° 9	21°48	22°R28	20°53	17°40	n.a.	W13
T 14	7 8 28	18°36'53	7♊19	7°25	29°16	29° 1	0°44	19°38	25° 6	9°11	21°49	22°26	20°50	17°46	n.a.	T 14
F 15	7 12 25	19°37'26	19°15	9° 5	0♑30	29°48	0°58	19°45	25° 4	9°13	21°49	22°23	20°47	17°53	n.a.	F 15
S 16	7 16 21	20°37'57	1♋ 7	10°46	1°45	0♒35	1°12	19°52	25° 2	9°14	21°50	22°16	20°44	18° 0	n.a.	S 16
S 17	7 20 18	21°38'26	12°57	12°27	3° 0	1°22	1°27	19°59	24°59	9°16	21°50	22° 8	20°40	18° 6	n.a.	S 17
M18	7 24 15	22°38'53	24°48	14°10	4°14	2°10	1°41	20° 7	24°57	9°18	21°51	21°57	20°37	18°13	n.a.	M18
T 19	7 28 11	23°39'19	6♌42	15°53	5°29	2°57	1°55	20°14	24°55	9°20	21°51	21°44	20°34	18°20	n.a.	T 19
W20	7 32 8	24°39'42	18°39	17°37	6°44	3°44	2°10	20°21	24°53	9°22	21°51	21°32	20°31	18°27	n.a.	W20
T 21	7 36 4	25°40'04	0♍41	19°23	7°58	4°31	2°24	20°29	24°51	9°23	21°52	21°20	20°28	18°33	n.a.	T 21
F 22	7 40 1	26°40'25	12°50	21° 9	9°13	5°18	2°38	20°36	24°48	9°25	21°52	21°11	20°25	18°40	n.a.	F 22
S 23	7 43 57	27°40'43	25° 8	22°56	10°27	6° 5	2°53	20°43	24°46	9°27	21°52	21° 3	20°21	18°47	n.a.	S 23
S 24	7 47 54	28°41'00	7♎38	24°44	11°42	6°52	3° 7	20°50	24°44	9°28	21°52	20°59	20°18	18°53	n.a.	S 24
M25	7 51 50	29°41'16	20°24	26°33	12°57	7°38	3°22	20°58	24°42	9°30	21°53	20°57	20°15	19° 0	n.a.	M25
T 26	7 55 47	0♒41'30	3♏30	28°24	14°11	8°25	3°36	21° 5	24°40	9°32	21°53	20°D56	20°12	19° 7	n.a.	T 26
W27	7 59 44	1°41'42	16°58	0♒15	15°26	9°12	3°51	21°12	24°38	9°33	21°53	20°R56	20° 9	19°13	n.a.	W27
T 28	8 3 40	2°41'53	0♐52	2° 7	16°40	9°59	4° 5	21°19	24°36	9°35	21°53	20°56	20° 6	19°20	n.a.	T 28
F 29	8 7 37	3°42'02	15°12	4° 0	17°55	10°46	4°20	21°27	24°35	9°36	21°53	20°54	20° 2	19°27	n.a.	F 29
S 30	8 11 33	4°42'09	29°58	5°54	19°10	11°33	4°34	21°34	24°33	9°38	21°R53	20°50	19°59	19°34	n.a.	S 30
S 31	8 15 30	5♒42'14	15♑ 3	7♒48	20♑24	12♒19	4♒48	21♑41	24♊31	9♐39	21♎53	20♏42	19♏56	19♋40	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	23s38	20s31	1n14	23s49	0s43	22s19	0n21	23s31	1s 7	21s46	0s53	23s13	0s42	24n 1	0n20	20s54	1n10	4n55	14n31	18s48	18s23	18n34		n.a.	F 1
S 2	23 35	21 1	2 29	24 4	0 49	22 31	0 18	23 24	1 7	21 43	0 53	23 12	0 42	24 1	0 20	20 55	1 10	4 55	14 32	18 47	18 22	18 32		n.a.	S 2
S 3	23 32	20 0	3 35	24 18	0 56	22 42	0 16	23 17	1 7	21 41	0 53	23 11	0 42	24 1	0 20	20 55	1 10	4 55	14 32	18 46	18 21	18 31		n.a.	S 3
M 4	23 29	17 31	4 26	24 30	1 2	22 52	0 13	23 10	1 7	21 38	0 53	23 10	0 42	24 1	0 20	20 55	1 10	4 55	14 33	18 44	18 20	18 30		n.a.	M 4
T 5	23 24	13 51	4 57	24 42	1 8	23 2	0 10	23 2	1 7	21 35	0 53	23 9	0 42	24 1	0 20	20 56	1 10	4 55	14 33	18 42	18 19	18 29		n.a.	T 5
W 6	23 20	9 22	5 8	24 52	1 13	23 11	0 8	22 54	1 7	21 32	0 53	23 8	0 43	24 1	0 20	20 56	1 10	4 55	14 33	18 40	18 19	18 27		n.a.	W 6
T 7	23 15	4 27	4 58	25 0	1 19	23 19	0 5	22 46	1 7	21 29	0 53	23 7	0 43	24 1	0 20	20 56	1 10	4 55	14 34	18 39	18 18	18 26		n.a.	T 7
F 8	23 9	0n33	4 31	25 8	1 24	23 27	0 2	22 38	1 7	21 26	0 53	23 6	0 43	24 1	0 20	20 56	1 10	4 56	14 34	18 38	18 17	18 25		n.a.	F 8
S 9	23 3	5 22	3 48	25 14	1 29	23 34	0s 0	22 29	1 7	21 23	0 53	23 5	0 43	24 0	0 20	20 57	1 10	4 56	14 35	18 37	18 16	18 23		n.a.	S 9
S 10	22 57	9 47	2 55	25 18	1 33	23 40	0 3	22 20	1 6	21 20	0 54	23 4	0 43	24 0	0 20	20 57	1 10	4 56	14 35	18 37	18 15	18 22		n.a.	S 10
M11	22 50	13 38	1 55	25 21	1 38	23 46	0 5	22 11	1 6	21 17	0 54	23 3	0 43	24 0	0 20	20 57	1 10	4 56	14 36	18 37	18 14	18 21		n.a.	M11
T 12	22 42	16 46	0 50	25 23	1 42	23 51	0 8	22 2	1 6	21 14	0 54	23 2	0 43	24 0	0 20	20 58	1 10	4 56	14 36	18 37	18 13	18 19		n.a.	T 12
W13	22 35	19 5	0s15	25 23	1 45	23 55	0 10	21 52	1 6	21 11	0 54	23 1	0 43	24 0	0 20	20 58	1 10	4 56	14 36	18 38	18 13	18 18		n.a.	W13
T 14	22 26	20 31	1 19	25 21	1 49	23 58	0 13	21 42	1 6	21 8	0 54	23 0	0 43	24 0	0 20	20 58	1 10	4 56	14 37	18 37	18 12	18 17		n.a.	T 14
F 15	22 18	21 1	2 18	25 17	1 52	24 0	0 15	21 32	1 6	21 5	0 54	22 59	0 43	24 0	0 20	20 58	1 10	4 57	14 37	18 36	18 11	18 15		n.a.	F 15
S 16	22 9	20 33	3 11	25 12	1 54	24 2	0 18	21 21	1 6	21 2	0 54	22 58	0 43	24 0	0 20	20 59	1 10	4 57	14 38	18 35	18 10	18 14		n.a.	S 16
S 17	21 59	19 12	3 56	25 6	1 57	24 3	0 20	21 11	1 6	20 58	0 54	22 57	0 43	24 0	0 20	20 59	1 10	4 57	14 38	18 32	18 9	18 12		n.a.	S 17
M18	21 49	17 1	4 30	24 57	1 58	24 4	0 23	21 0	1 6	20 55	0 54	22 56	0 43	24 0	0 20	20 59	1 10	4 57	14 39	18 29	18 8	18 11		n.a.	M18
T 19	21 39	14 7	4 53	24 47	2 0	24 3	0 25	20 49	1 5	20 52	0 54	22 55	0 43	24 0	0 20	20 59	1 10	4 58	14 39	18 26	18 8	18 10		n.a.	T 19
W20	21 28	10 38	5 2	24 34	2 1	24 2	0 28	20 38	1 5	20 49	0 54	22 54	0 44	24 0	0 20	21 0	1 10	4 58	14 39	18 23	18 7	18 8		n.a.	W20
T 21	21 17	6 43	4 59	24 20	2 2	24 0	0 30	20 26	1 5	20 45	0 54	22 53	0 44	23 59	0 20	21 0	1 10	4 58	14 40	18 20	18 6	18 7		n.a.	T 21
F 22	21 6	2 30	4 42	24 4	2 2	23 58	0 32	20 15	1 5	20 42	0 54	22 52	0 44	23 59	0 20	21 0	1 10	4 58	14 40	18 17	18 5	18 6		n.a.	F 22
S 23	20 54	1s53	4 12	23 47	2 2	23 54	0 34	20 3	1 5	20 39	0 54	22 51	0 44	23 59	0 20	21 0	1 10	4 59	14 41	18 15	18 4	18 4		n.a.	S 23
S 24	20 42	6 15	3 29	23 27	2 1	23 50	0 37	19 50	1 5	20 36	0 54	22 50	0 44	23 59	0 20	21 1	1 10	4 59	14 41	18 14	18 3	18 3		n.a.	S 24
M25	20 29	10 27	2 35	23 5	2 0	23 46	0 39	19 38	1 4	20 32	0 54	22 49	0 44	23 59	0 20	21 1	1 10	4 59	14 42	18 14	18 2	18 2		n.a.	M25
T 26	20 16	14 16	1 31	22 41	1 58	23 40	0 41	19 26	1 4	20 29	0 54	22 48	0 44	23 59	0 20	21 1	1 10	5 0	14 42	18 13	18 2	18 0		n.a.	T 26
W27	20 3	17 28	0 21	22 15	1 56	23 34	0 43	19 13	1 4	20 25	0 54	22 47	0 44	23 59	0 20	21 1	1 10	5 0	14 43	18 14	18 1	17 59		n.a.	W27
T 28	19 49	19 45	0n52	21 47	1 54	23 27	0 45	19 0	1 4	20 22	0 54	22 46	0 44	23 59	0 20	21 1	1 10	5 1	14 43	18 13	18 0	17 57		n.a.	T 28
F 29	19 35	20 51	2 5	21 18	1 50	23 19	0 47	18 47	1 4	20 19	0 55	22 45	0 44	23 59	0 20	21 2	1 10	5 1	14 43	18 13	17 59	17 56		n.a.	F 29
S 30	19 20	20 34	3 11	20 46	1 47	23 11	0 49	18 34	1 3	20 15	0 55	22 44	0 44	23 59	0 20	21 2	1 10	5 1	14 44	18 12	17 58	17 55		n.a.	S 30
S 31	19s 5	18s50	4n 5	20s12	1s42	23s 2	0s51	18s20	1s 3	20s12	0s55	22s43	0s44	23n59	0n20	21s 2	1n10	5n 2	14n44	18s10	17s57	17n53		n.a.	S 31

Julian Day Number = 1545372.5, Delta T = 04h34m41s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'46, Lahiri = -10°36'46 Julian Calendar 1 Jan. 482 BCE == Greg. Calendar 27 Dec. 483 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

FEBRUARY 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 19 26	6♒42'18	0♒18	9♒44	21♑39	13♒ 6	5♒ 3	21♑48	24°R29	9♐41	21°R53	20°R33	19♏53	19♋47	n.a.	M 1
T 2	8 23 23	7°42'20	15°35	11°40	22°53	13°53	5°17	21°55	24♊28	9°42	21♎53	20♏21	19°50	19°54	n.a.	T 2
W 3	8 27 19	8°42'19	0♓40	13°36	24° 8	14°39	5°32	22° 2	24°26	9°43	21°53	20°10	19°46	20° 0	n.a.	W 3
T 4	8 31 16	9°42'16	15°24	15°33	25°22	15°26	5°46	22° 9	24°24	9°45	21°53	20° 0	19°43	20° 7	n.a.	T 4
F 5	8 35 13	10°42'11	29°40	17°31	26°37	16°13	6° 1	22°16	24°23	9°46	21°52	19°53	19°40	20°14	n.a.	F 5
S 6	8 39 9	11°42'04	13♈27	19°28	27°51	16°59	6°15	22°23	24°21	9°47	21°52	19°48	19°37	20°21	n.a.	S 6
S 7	8 43 6	12°41'54	26°44	21°25	29° 6	17°46	6°29	22°30	24°20	9°49	21°52	19°45	19°34	20°27	n.a.	S 7
M 8	8 47 2	13°41'42	9♉34	23°22	0♒20	18°32	6°44	22°37	24°18	9°50	21°52	19°44	19°31	20°34	n.a.	M 8
T 9	8 50 59	14°41'28	22° 2	25°18	1°35	19°19	6°58	22°44	24°17	9°51	21°51	19°44	19°27	20°41	n.a.	T 9
W10	8 54 55	15°41'11	4♊13	27°12	2°49	20° 5	7°13	22°51	24°15	9°52	21°51	19°44	19°24	20°47	n.a.	W10
T 11	8 58 52	16°40'52	16°12	29° 6	4° 4	20°51	7°27	22°58	24°14	9°54	21°50	19°42	19°21	20°54	n.a.	T 11
F 12	9 2 48	17°40'30	28° 4	0♓57	5°18	21°38	7°41	23° 5	24°13	9°55	21°50	19°37	19°18	21° 1	n.a.	F 12
S 13	9 6 45	18°40'06	9♋53	2°46	6°33	22°24	7°56	23°12	24°12	9°56	21°50	19°30	19°15	21° 7	n.a.	S 13
S 14	9 10 42	19°39'40	21°43	4°33	7°47	23°10	8°10	23°19	24°10	9°57	21°49	19°19	19°12	21°14	n.a.	S 14
M15	9 14 38	20°39'12	3♌37	6°16	9° 1	23°57	8°24	23°26	24° 9	9°58	21°49	19° 7	19° 8	21°21	n.a.	M15
T 16	9 18 35	21°38'41	15°35	7°56	10°16	24°43	8°39	23°32	24° 8	9°59	21°48	18°53	19° 5	21°28	n.a.	T 16
W17	9 22 31	22°38'08	27°40	9°31	11°30	25°29	8°53	23°39	24° 7	10° 0	21°47	18°38	19° 2	21°34	n.a.	W17
T 18	9 26 28	23°37'33	9♍52	11° 2	12°44	26°15	9° 7	23°46	24° 6	10° 1	21°47	18°25	18°59	21°41	n.a.	T 18
F 19	9 30 24	24°36'56	22°13	12°28	13°59	27° 1	9°21	23°52	24° 5	10° 2	21°46	18°13	18°56	21°48	n.a.	F 19
S 20	9 34 21	25°36'17	4♎42	13°48	15°13	27°47	9°35	23°59	24° 4	10° 3	21°45	18° 4	18°52	21°54	n.a.	S 20
S 21	9 38 17	26°35'36	17°23	15° 3	16°27	28°33	9°49	24° 6	24° 4	10° 4	21°45	17°58	18°49	22° 1	n.a.	S 21
M22	9 42 14	27°34'53	0♏16	16°11	17°42	29°19	10° 4	24°12	24° 3	10° 4	21°44	17°55	18°46	22° 8	n.a.	M22
T 23	9 46 10	28°34'08	13°24	17°14	18°56	0♓ 5	10°18	24°19	24° 2	10° 5	21°43	17°D54	18°43	22°15	n.a.	T 23
W24	9 50 7	29°33'21	26°49	18° 9	20°10	0°51	10°32	24°25	24° 1	10° 6	21°42	17°R54	18°40	22°21	n.a.	W24
T 25	9 54 4	0♓32'32	10♐35	18°58	21°25	1°36	10°46	24°31	24° 1	10° 7	21°41	17°54	18°37	22°28	n.a.	T 25
F 26	9 58 0	1°31'42	24°42	19°39	22°39	2°22	11° 0	24°38	24° 0	10° 7	21°41	17°52	18°33	22°35	n.a.	F 26
S 27	10 1 57	2°30'49	9♑10	20°14	23°53	3° 8	11°14	24°44	24° 0	10° 8	21°40	17°48	18°30	22°41	n.a.	S 27
S 28	10 5 53	3♓29'55	23♑56	20♓41	25♒ 8	3♓54	11♒28	24♑50	23♊59	10♐ 9	21♎39	17♏42	18♏27	22♋48	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s50	15s45	4n43	19s36	1s37	22s52	0s53	18s 6	1s 3	20s 8	0s55	22s42	0s45	23n59	0n20	21s 2	1n10	5n 2	14n45	18s 7	17s56	17n52		n.a.
T 2	18 35	11 36	5 0	18 59	1 32	22 41	0 55	17 53	1 3	20 5	0 55	22 41	0 45	23 58	0 20	21 2	1 10	5 3	14 45	18 4	17 55	17 50		n.a.
W 3	18 19	6 46	4 56	18 19	1 25	22 30	0 57	17 39	1 3	20 1	0 55	22 39	0 45	23 58	0 20	21 3	1 10	5 3	14 46	18 1	17 55	17 49		n.a.
T 4	18 3	1 39	4 32	17 38	1 18	22 18	0 59	17 24	1 2	19 58	0 55	22 38	0 45	23 58	0 20	21 3	1 10	5 4	14 46	17 58	17 54	17 48		n.a.
F 5	17 47	3n25	3 52	16 55	1 11	22 6	1 0	17 10	1 2	19 54	0 55	22 37	0 45	23 58	0 20	21 3	1 10	5 4	14 46	17 56	17 53	17 46		n.a.
S 6	17 30	8 7	2 59	16 10	1 3	21 53	1 2	16 56	1 2	19 51	0 55	22 36	0 45	23 58	0 20	21 3	1 10	5 4	14 47	17 55	17 52	17 45		n.a.
S 7	17 13	12 17	1 59	15 24	0 54	21 39	1 4	16 41	1 2	19 47	0 55	22 35	0 45	23 58	0 20	21 3	1 10	5 5	14 47	17 54	17 51	17 43		n.a.
M 8	16 56	15 43	0 54	14 37	0 45	21 24	1 5	16 26	1 1	19 43	0 55	22 34	0 45	23 58	0 20	21 4	1 10	5 5	14 48	17 54	17 50	17 42		n.a.
T 9	16 38	18 19	0s12	13 48	0 35	21 9	1 7	16 11	1 1	19 40	0 55	22 33	0 45	23 58	0 20	21 4	1 10	5 6	14 48	17 54	17 49	17 41		n.a.
W10	16 21	20 1	1 16	12 59	0 24	20 54	1 8	15 56	1 1	19 36	0 56	22 32	0 45	23 58	0 20	21 4	1 10	5 6	14 48	17 54	17 48	17 39		n.a.
T 11	16 2	20 47	2 15	12 9	0 13	20 37	1 10	15 41	1 0	19 33	0 56	22 31	0 46	23 58	0 20	21 4	1 10	5 7	14 49	17 53	17 48	17 38		n.a.
F 12	15 44	20 37	3 8	11 18	0 1	20 20	1 11	15 26	1 0	19 29	0 56	22 30	0 46	23 58	0 20	21 4	1 10	5 8	14 49	17 52	17 47	17 36		n.a.
S 13	15 26	19 31	3 52	10 27	0n11	20 3	1 12	15 10	1 0	19 25	0 56	22 29	0 46	23 58	0 20	21 4	1 10	5 8	14 50	17 50	17 46	17 35		n.a.
S 14	15 7	17 36	4 26	9 37	0 23	19 45	1 14	14 54	1 0	19 22	0 56	22 28	0 46	23 58	0 20	21 4	1 10	5 9	14 50	17 47	17 45	17 33		n.a.
M15	14 48	14 55	4 49	8 47	0 36	19 26	1 15	14 39	0 59	19 18	0 56	22 27	0 46	23 58	0 20	21 5	1 10	5 9	14 50	17 44	17 44	17 32		n.a.
T 16	14 28	11 37	4 59	7 57	0 49	19 7	1 16	14 23	0 59	19 14	0 56	22 26	0 46	23 58	0 20	21 5	1 10	5 10	14 51	17 40	17 43	17 31		n.a.
W17	14 9	7 49	4 56	7 9	1 2	18 47	1 17	14 7	0 59	19 11	0 56	22 24	0 46	23 58	0 20	21 5	1 10	5 10	14 51	17 36	17 42	17 29		n.a.
T 18	13 49	3 40	4 39	6 22	1 15	18 27	1 18	13 51	0 58	19 7	0 56	22 23	0 46	23 57	0 20	21 5	1 10	5 11	14 52	17 32	17 41	17 28		n.a.
F 19	13 29	0s41	4 9	5 37	1 28	18 6	1 19	13 34	0 58	19 3	0 56	22 22	0 46	23 57	0 20	21 5	1 10	5 11	14 52	17 29	17 41	17 26		n.a.
S 20	13 9	5 3	3 27	4 54	1 41	17 45	1 20	13 18	0 58	18 59	0 57	22 21	0 46	23 57	0 20	21 5	1 10	5 12	14 52	17 26	17 40	17 25		n.a.
S 21	12 49	9 16	2 34	4 13	1 54	17 23	1 21	13 1	0 57	18 56	0 57	22 20	0 47	23 57	0 20	21 5	1 11	5 13	14 53	17 25	17 39	17 23		n.a.
M22	12 28	13 9	1 32	3 35	2 7	17 1	1 22	12 45	0 57	18 52	0 57	22 19	0 47	23 57	0 20	21 5	1 11	5 13	14 53	17 24	17 38	17 22		n.a.
T 23	12 7	16 27	0 24	2 59	2 19	16 39	1 22	12 28	0 57	18 48	0 57	22 18	0 47	23 57	0 20	21 5	1 11	5 14	14 53	17 23	17 37	17 20		n.a.
W24	11 47	18 56	0n47	2 27	2 30	16 15	1 23	12 11	0 56	18 44	0 57	22 17	0 47	23 57	0 20	21 5	1 11	5 15	14 54	17 23	17 36	17 19		n.a.
T 25	11 25	20 24	1 57	1 58	2 41	15 52	1 23	11 55	0 56	18 41	0 57	22 16	0 47	23 57	0 20	21 6	1 11	5 15	14 54	17 23	17 35	17 18		n.a.
F 26	11 4	20 37	3 2	1 32	2 51	15 28	1 24	11 38	0 55	18 37	0 57	22 15	0 47	23 57	0 20	21 6	1 11	5 16	14 55	17 23	17 34	17 16		n.a.
S 27	10 43	19 30	3 56	1 10	3 0	15 3	1 24	11 21	0 55	18 33	0 57	22 14	0 47	23 57	0 20	21 6	1 11	5 16	14 55	17 22	17 34	17 15		n.a.
S 28	10s21	17s 4	4n36	0s52	3n 8	14s39	1s25	11s 3	0s55	18s29	0s57	22s13	0s47	23n57	0n20	21s 6	1n11	5n17	14n55	17s20	17s33	17n13		n.a.

Julian Day Number = 1545403.5, Delta T = 04h34m40s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'42, Lahiri = -10°36'42 Julian Calendar 1 Feb. 482 BCE == Greg. Calendar 27 Jan. 482 BCE

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

MARCH 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 9 50	4♓28'59	8♒53	21♓ 1	26♒22	4♓39	11♒42	24♉57	23°R59	10♐ 9	21°R38	17°R33	18♏24	22♋55	n.a.	M 1
T 2	10 13 46	5°28'01	23°53	21°14	27°36	5°25	11°55	25° 3	23♊59	10°10	21♎37	17♏22	18°21	23° 2	n.a.	T 2
W 3	10 17 43	6°27'00	8♓48	21°R19	28°50	6°10	12° 9	25° 9	23°58	10°10	21°36	17°11	18°17	23° 8	n.a.	W 3
T 4	10 21 39	7°25'58	23°26	21°18	0♓ 5	6°56	12°23	25°15	23°58	10°11	21°35	17° 2	18°14	23°15	n.a.	T 4
F 5	10 25 36	8°24'53	7♈43	21°10	1°19	7°41	12°37	25°21	23°58	10°11	21°34	16°54	18°11	23°22	n.a.	F 5
S 6	10 29 32	9°23'46	21°32	20°55	2°33	8°27	12°50	25°27	23°58	10°12	21°33	16°49	18° 8	23°28	n.a.	S 6
S 7	10 33 29	10°22'36	4♉53	20°35	3°47	9°12	13° 4	25°33	23°58	10°12	21°31	16°47	18° 5	23°35	n.a.	S 7
M 8	10 37 26	11°21'25	17°49	20° 9	5° 1	9°57	13°18	25°39	23°D58	10°13	21°30	16°D46	18° 2	23°42	n.a.	M 8
T 9	10 41 22	12°20'11	0♊21	19°38	6°15	10°43	13°31	25°44	23°58	10°13	21°29	16°46	17°58	23°48	n.a.	T 9
W10	10 45 19	13°18'54	12°35	19° 3	7°30	11°28	13°45	25°50	23°58	10°13	21°28	16°R47	17°55	23°55	n.a.	W10
T 11	10 49 15	14°17'36	24°36	18°25	8°44	12°13	13°58	25°56	23°58	10°14	21°27	16°46	17°52	24° 2	n.a.	T 11
F 12	10 53 12	15°16'14	6♋29	17°44	9°58	12°58	14°12	26° 1	23°58	10°14	21°25	16°44	17°49	24° 9	n.a.	F 12
S 13	10 57 8	16°14'51	18°20	17° 0	11°12	13°43	14°25	26° 7	23°58	10°14	21°24	16°39	17°46	24°15	n.a.	S 13
S 14	11 1 5	17°13'25	0♌12	16°16	12°26	14°28	14°38	26°12	23°58	10°14	21°23	16°32	17°43	24°22	n.a.	S 14
M15	11 5 1	18°11'57	12° 8	15°32	13°40	15°13	14°51	26°18	23°59	10°14	21°22	16°23	17°39	24°29	n.a.	M15
T 16	11 8 58	19°10'27	24°13	14°48	14°54	15°58	15° 5	26°23	23°59	10°14	21°20	16°13	17°36	24°35	n.a.	T 16
W17	11 12 55	20° 8'55	6♍27	14° 6	16° 8	16°43	15°18	26°29	24° 0	10°15	21°19	16° 2	17°33	24°42	n.a.	W17
T 18	11 16 51	21° 7'20	18°51	13°25	17°22	17°28	15°31	26°34	24° 0	10°15	21°18	15°52	17°30	24°49	n.a.	T 18
F 19	11 20 48	22° 5'44	1♎27	12°48	18°36	18°13	15°44	26°39	24° 1	10°R15	21°16	15°44	17°27	24°56	n.a.	F 19
S 20	11 24 44	23° 4'06	14°14	12°13	19°50	18°57	15°57	26°44	24° 1	10°15	21°15	15°37	17°23	25° 2	n.a.	S 20
S 21	11 28 41	24° 2'26	27°13	11°43	21° 4	19°42	16°10	26°49	24° 2	10°15	21°13	15°33	17°20	25° 9	n.a.	S 21
M22	11 32 37	25° 0'44	10♏23	11°17	22°18	20°27	16°22	26°54	24° 3	10°14	21°12	15°D32	17°17	25°16	n.a.	M22
T 23	11 36 34	25°59'00	23°46	10°55	23°32	21°11	16°35	26°59	24° 3	10°14	21°11	15°32	17°14	25°22	n.a.	T 23
W24	11 40 30	26°57'15	7♐21	10°37	24°46	21°56	16°48	27° 4	24° 4	10°14	21° 9	15°33	17°11	25°29	n.a.	W24
T 25	11 44 27	27°55'28	21°10	10°25	26° 0	22°40	17° 0	27° 9	24° 5	10°14	21° 8	15°34	17° 8	25°36	n.a.	T 25
F 26	11 48 23	28°53'40	5♑12	10°18	27°14	23°24	17°13	27°13	24° 6	10°14	21° 6	15°R34	17° 4	25°43	n.a.	F 26
S 27	11 52 20	29°51'50	19°27	10°D15	28°28	24° 9	17°25	27°18	24° 7	10°14	21° 5	15°32	17° 1	25°49	n.a.	S 27
S 28	11 56 17	0♈49'58	3♒53	10°18	29°42	24°53	17°38	27°22	24° 8	10°13	21° 3	15°29	16°58	25°56	n.a.	S 28
M29	12 0 13	1°48'05	18°27	10°25	0♈56	25°37	17°50	27°27	24° 9	10°13	21° 1	15°24	16°55	26° 3	n.a.	M29
T 30	12 4 10	2°46'10	3♓ 1	10°37	2°10	26°22	18° 2	27°31	24°10	10°13	21° 0	15°17	16°52	26° 9	n.a.	T 30
W31	12 8 6	3♈44'14	17♓31	10♓54	3♈24	27♓ 6	18♒15	27♉36	24♊12	10♐12	20♎58	15♏11	16♏49	26♋16	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	10s 0	13s29	4n58	0s38	3n15	14s13	1s25	10s46	0s54	18s25	0s58	22s12	0s48	23n57	0n20	21s 6	1n11	5n18	14n56	17s17	17s32	17n12			n.a.
T 2	9 38	9 1	5 0	0 27	3 21	13 48	1 25	10 29	0 54	18 22	0 58	22 11	0 48	23 57	0 20	21 6	1 11	5 18	14 56	17 14	17 31	17 10			n.a.
W 3	9 16	4 3	4 41	0 21	3 25	13 22	1 26	10 12	0 54	18 18	0 58	22 10	0 48	23 57	0 20	21 6	1 11	5 19	14 56	17 11	17 30	17 9			n.a.
T 4	8 54	1n 5	4 4	0 18	3 29	12 56	1 26	9 54	0 53	18 14	0 58	22 9	0 48	23 57	0 20	21 6	1 11	5 20	14 56	17 8	17 29	17 7			n.a.
F 5	8 31	6 2	3 12	0 20	3 30	12 29	1 26	9 37	0 53	18 10	0 58	22 8	0 48	23 57	0 20	21 6	1 11	5 20	14 57	17 6	17 28	17 6			n.a.
S 6	8 9	10 30	2 10	0 25	3 31	12 2	1 26	9 19	0 52	18 6	0 58	22 7	0 48	23 57	0 20	21 6	1 11	5 21	14 57	17 5	17 27	17 4			n.a.
S 7	7 46	14 18	1 3	0 35	3 29	11 35	1 26	9 1	0 52	18 3	0 58	22 6	0 48	23 57	0 20	21 6	1 11	5 22	14 57	17 4	17 26	17 3			n.a.
M 8	7 24	17 16	0s 6	0 48	3 26	11 7	1 26	8 44	0 52	17 59	0 59	22 5	0 48	23 57	0 20	21 6	1 11	5 22	14 58	17 4	17 25	17 1			n.a.
T 9	7 1	19 19	1 12	1 4	3 22	10 39	1 25	8 26	0 51	17 55	0 59	22 4	0 49	23 57	0 20	21 6	1 11	5 23	14 58	17 4	17 25	17 0			n.a.
W10	6 38	20 24	2 13	1 24	3 15	10 11	1 25	8 8	0 51	17 51	0 59	22 3	0 49	23 57	0 20	21 6	1 11	5 24	14 58	17 4	17 24	16 58			n.a.
T 11	6 16	20 31	3 7	1 46	3 8	9 43	1 25	7 50	0 50	17 47	0 59	22 2	0 49	23 57	0 20	21 6	1 11	5 24	14 58	17 4	17 23	16 57			n.a.
F 12	5 53	19 43	3 53	2 11	2 58	9 14	1 25	7 32	0 50	17 44	0 59	22 1	0 49	23 57	0 20	21 6	1 11	5 25	14 59	17 3	17 22	16 55			n.a.
S 13	5 30	18 3	4 28	2 37	2 48	8 45	1 24	7 14	0 49	17 40	0 59	22 0	0 49	23 57	0 20	21 6	1 11	5 26	14 59	17 2	17 21	16 54			n.a.
S 14	5 7	15 37	4 52	3 6	2 36	8 16	1 24	6 57	0 49	17 36	0 59	21 59	0 49	23 57	0 20	21 6	1 11	5 26	14 59	17 0	17 20	16 52			n.a.
M15	4 44	12 31	5 3	3 35	2 23	7 47	1 23	6 38	0 49	17 32	1 0	21 58	0 49	23 57	0 20	21 6	1 11	5 27	14 59	16 57	17 19	16 51			n.a.
T 16	4 20	8 53	5 1	4 5	2 9	7 17	1 22	6 20	0 48	17 28	1 0	21 58	0 49	23 57	0 20	21 6	1 11	5 28	15 0	16 54	17 18	16 49			n.a.
W17	3 57	4 51	4 46	4 35	1 54	6 47	1 22	6 2	0 48	17 25	1 0	21 57	0 50	23 57	0 20	21 6	1 11	5 29	15 0	16 51	17 17	16 48			n.a.
T 18	3 34	0 33	4 16	5 5	1 38	6 18	1 21	5 44	0 47	17 21	1 0	21 56	0 50	23 57	0 20	21 6	1 11	5 29	15 0	16 48	17 16	16 46			n.a.
F 19	3 11	3s51	3 34	5 35	1 22	5 47	1 20	5 26	0 47	17 17	1 0	21 55	0 50	23 57	0 20	21 6	1 11	5 30	15 0	16 46	17 16	16 45			n.a.
S 20	2 47	8 8	2 40	6 3	1 6	5 17	1 19	5 8	0 46	17 13	1 0	21 54	0 50	23 57	0 20	21 6	1 11	5 31	15 0	16 44	17 15	16 43			n.a.
S 21	2 24	12 7	1 37	6 30	0 50	4 47	1 18	4 50	0 46	17 10	1 1	21 53	0 50	23 57	0 20	21 6	1 11	5 31	15 1	16 43	17 14	16 42			n.a.
M22	2 0	15 34	0 28	6 55	0 34	4 16	1 17	4 32	0 45	17 6	1 1	21 52	0 50	23 57	0 20	21 6	1 11	5 32	15 1	16 42	17 13	16 40			n.a.
T 23	1 37	18 15	0n44	7 18	0 17	3 46	1 16	4 13	0 45	17 2	1 1	21 52	0 50	23 57	0 20	21 6	1 11	5 33	15 1	16 42	17 12	16 39			n.a.
W24	1 14	19 56	1 55	7 39	0 2	3 15	1 15	3 55	0 44	16 58	1 1	21 51	0 51	23 57	0 20	21 6	1 11	5 33	15 1	16 43	17 11	16 37			n.a.
T 25	0 50	20 28	3 0	7 58	0s14	2 44	1 14	3 37	0 44	16 55	1 1	21 50	0 51	23 57	0 20	21 6	1 11	5 34	15 1	16 43	17 10	16 36			n.a.
F 26	0 27	19 44	3 56	8 15	0 29	2 14	1 13	3 19	0 43	16 51	1 1	21 49	0 51	23 57	0 20	21 6	1 11	5 35	15 1	16 43	17 9	16 34			n.a.
S 27	0 3	17 45	4 37	8 29	0 43	1 43	1 12	3 1	0 43	16 47	1 2	21 48	0 51	23 57	0 20	21 6	1 12	5 35	15 2	16 42	17 8	16 33			n.a.
S 28	0n20	14 38	5 2	8 41	0 57	1 12	1 10	2 42	0 42	16 44	1 2	21 48	0 51	23 57	0 20	21 6	1 12	5 36	15 2	16 41	17 7	16 31			n.a.
M29	0 44	10 37	5 8	8 50	1 10	0 41	1 9	2 24	0 42	16 40	1 2	21 47	0 51	23 57	0 20	21 6	1 12	5 37	15 2	16 40	17 6	16 29			n.a.
T 30	1 7	5 58	4 54	8 57	1 23	0 10	1 8	2 6	0 41	16 36	1 2	21 46	0 52	23 57	0 20	21 5	1 12	5 37	15 2	16 38	17 6	16 28			n.a.
W31	1n30	0s59	4n21	9s 1	1s34	0n22	1s 6	1s48	0s41	16s33	1s 2	21s45	0s52	23n57	0n20	21s 5	1n12	5n38	15n 2	16s36	17s 5	16n26			n.a.

Julian Day Number = 1545431.5, Delta T = 04h34m38s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'38, Lahiri = -10°36'38 Julian Calendar 1 March 482 BCE == Greg. Calendar 24 Feb. 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

APRIL 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 12 3	4♈42'16	1♈49	11♓15	4♈38	27♓50	18♒27	27♑40	24♊13	10°R12	20°R57	15°R 5	16♏45	26♋23	n.a.	T 1
F 2	12 15 59	5°40'16	15°51	11°41	5°52	28°34	18°39	27°44	24°14	10♐11	20♎55	15♏ 0	16°42	26°30	n.a.	F 2
S 3	12 19 56	6°38'15	29°31	12°11	7° 6	29°18	18°51	27°48	24°15	10°11	20°54	14°58	16°39	26°36	n.a.	S 3
S 4	12 23 52	7°36'11	12♉48	12°44	8°20	0♈ 2	19° 2	27°52	24°17	10°10	20°52	14°D57	16°36	26°43	n.a.	S 4
M 5	12 27 49	8°34'06	25°42	13°22	9°34	0°46	19°14	27°56	24°18	10°10	20°50	14°57	16°33	26°50	n.a.	M 5
T 6	12 31 46	9°31'59	8♊16	14° 4	10°47	1°30	19°26	28° 0	24°20	10° 9	20°49	14°58	16°29	26°56	n.a.	T 6
W 7	12 35 42	10°29'51	20°33	14°49	12° 1	2°13	19°38	28° 4	24°21	10° 9	20°47	15° 0	16°26	27° 3	n.a.	W 7
T 8	12 39 39	11°27'40	2♋37	15°38	13°15	2°57	19°49	28° 7	24°23	10° 8	20°45	15° 1	16°23	27°10	n.a.	T 8
F 9	12 43 35	12°25'28	14°33	16°30	14°29	3°41	20° 0	28°11	24°24	10° 7	20°44	15°R 2	16°20	27°17	n.a.	F 9
S 10	12 47 32	13°23'13	26°25	17°26	15°43	4°24	20°12	28°14	24°26	10° 7	20°42	15° 1	16°17	27°23	n.a.	S 10
S 11	12 51 28	14°20'57	8♌19	18°24	16°57	5° 8	20°23	28°18	24°28	10° 6	20°41	14°58	16°14	27°30	n.a.	S 11
M12	12 55 25	15°18'39	20°18	19°26	18°10	5°51	20°34	28°21	24°30	10° 5	20°39	14°55	16°10	27°37	n.a.	M12
T 13	12 59 21	16°16'20	2♍27	20°31	19°24	6°35	20°45	28°24	24°31	10° 5	20°37	14°51	16° 7	27°43	n.a.	T 13
W14	13 3 18	17°13'58	14°49	21°38	20°38	7°18	20°56	28°28	24°33	10° 4	20°36	14°46	16° 4	27°50	n.a.	W14
T 15	13 7 14	18°11'35	27°24	22°48	21°52	8° 2	21° 7	28°31	24°35	10° 3	20°34	14°42	16° 1	27°57	n.a.	T 15
F 16	13 11 11	19° 9'11	10♎15	24° 1	23° 5	8°45	21°18	28°34	24°37	10° 2	20°32	14°38	15°58	28° 4	n.a.	F 16
S 17	13 15 8	20° 6'45	23°22	25°17	24°19	9°28	21°28	28°37	24°39	10° 1	20°31	14°36	15°54	28°10	n.a.	S 17
S 18	13 19 4	21° 4'18	6♏43	26°35	25°33	10°11	21°39	28°39	24°41	10° 0	20°29	14°34	15°51	28°17	n.a.	S 18
M19	13 23 1	22° 1'50	20°17	27°56	26°47	10°55	21°49	28°42	24°43	9°59	20°27	14°D34	15°48	28°24	n.a.	M19
T 20	13 26 57	22°59'21	4♐ 3	29°19	28° 0	11°38	22° 0	28°45	24°45	9°58	20°26	14°35	15°45	28°30	n.a.	T 20
W21	13 30 54	23°56'50	17°59	0♈44	29°14	12°21	22°10	28°47	24°47	9°58	20°24	14°36	15°42	28°37	n.a.	W21
T 22	13 34 50	24°54'19	2♑ 2	2°13	0♉28	13° 4	22°20	28°50	24°50	9°57	20°22	14°38	15°39	28°44	n.a.	T 22
F 23	13 38 47	25°51'47	16°11	3°43	1°41	13°47	22°30	28°52	24°52	9°55	20°21	14°39	15°35	28°51	n.a.	F 23
S 24	13 42 43	26°49'13	0♒25	5°16	2°55	14°29	22°40	28°54	24°54	9°54	20°19	14°R39	15°32	28°57	n.a.	S 24
S 25	13 46 40	27°46'39	14°39	6°51	4° 9	15°12	22°50	28°57	24°57	9°53	20°17	14°38	15°29	29° 4	n.a.	S 25
M26	13 50 37	28°44'04	28°53	8°29	5°22	15°55	23° 0	28°59	24°59	9°52	20°16	14°37	15°26	29°11	n.a.	M26
T 27	13 54 33	29°41'29	13♓ 2	10° 9	6°36	16°38	23° 9	29° 1	25° 1	9°51	20°14	14°35	15°23	29°17	n.a.	T 27
W28	13 58 30	0♉38'52	27° 4	11°51	7°50	17°20	23°19	29° 2	25° 4	9°50	20°12	14°33	15°20	29°24	n.a.	W28
T 29	14 2 26	1°36'14	10♈55	13°36	9° 3	18° 3	23°28	29° 4	25° 6	9°49	20°11	14°32	15°16	29°31	n.a.	T 29
F 30	14 6 23	2♉33'36	24♈31	15♈23	10♉17	18♈46	23♒37	29♑ 6	25♊ 9	9♐48	20♎ 9	14♏31	15♏13	29♋38	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n54	3n58	3n32	9s 3	1s45	0n53	1s 5	1s29	0s40	16s29	1s 2	21s45	0s52	23n57	0n20	21s 5	1n12	5n39	15n 2	16s34	17s 4	16n25		n.a.
F 2	2 17	8 38	2 31	9 3	1 55	1 24	1 3	1 11	0 40	16 26	1 3	21 44	0 52	23 57	0 20	21 5	1 12	5 39	15 2	16 33	17 3	16 23		n.a.
S 3	2 40	12 44	1 23	9 0	2 5	1 55	1 2	0 53	0 39	16 22	1 3	21 43	0 52	23 58	0 20	21 5	1 12	5 40	15 2	16 32	17 2	16 22		n.a.
S 4	3 3	16 4	0 12	8 55	2 13	2 26	1 0	0 35	0 39	16 18	1 3	21 43	0 52	23 58	0 20	21 5	1 12	5 41	15 2	16 32	17 1	16 20		n.a.
M 5	3 26	18 30	0s58	8 47	2 21	2 57	0 58	0 17	0 38	16 15	1 3	21 42	0 52	23 58	0 20	21 5	1 12	5 41	15 2	16 32	17 0	16 19		n.a.
T 6	3 49	19 56	2 4	8 37	2 28	3 28	0 56	0n 2	0 38	16 11	1 3	21 41	0 53	23 58	0 20	21 5	1 12	5 42	15 2	16 32	16 59	16 17		n.a.
W 7	4 12	20 23	3 2	8 25	2 34	3 58	0 55	0 20	0 37	16 8	1 4	21 41	0 53	23 58	0 20	21 5	1 12	5 43	15 2	16 33	16 58	16 15		n.a.
T 8	4 35	19 53	3 51	8 11	2 40	4 29	0 53	0 38	0 37	16 4	1 4	21 40	0 53	23 58	0 20	21 5	1 12	5 43	15 2	16 33	16 57	16 14		n.a.
F 9	4 58	18 29	4 30	7 55	2 45	5 0	0 51	0 56	0 36	16 1	1 4	21 40	0 53	23 58	0 20	21 4	1 12	5 44	15 2	16 33	16 56	16 12		n.a.
S 10	5 21	16 18	4 56	7 37	2 49	5 31	0 49	1 14	0 36	15 57	1 4	21 39	0 53	23 58	0 20	21 4	1 12	5 44	15 2	16 33	16 55	16 11		n.a.
S 11	5 44	13 26	5 10	7 16	2 52	6 1	0 47	1 32	0 35	15 54	1 5	21 39	0 53	23 58	0 20	21 4	1 12	5 45	15 2	16 32	16 54	16 9		n.a.
M12	6 6	9 59	5 11	6 54	2 55	6 31	0 45	1 50	0 35	15 51	1 5	21 38	0 54	23 58	0 20	21 4	1 12	5 46	15 2	16 31	16 54	16 8		n.a.
T 13	6 29	6 6	4 58	6 30	2 56	7 1	0 43	2 8	0 34	15 47	1 5	21 38	0 54	23 58	0 20	21 4	1 12	5 46	15 2	16 30	16 53	16 6		n.a.
W14	6 51	1 54	4 31	6 4	2 58	7 32	0 41	2 25	0 33	15 44	1 5	21 37	0 54	23 58	0 20	21 4	1 12	5 47	15 2	16 29	16 52	16 4		n.a.
T 15	7 13	2s28	3 50	5 37	2 58	8 1	0 39	2 43	0 33	15 41	1 5	21 37	0 54	23 58	0 20	21 4	1 12	5 47	15 2	16 27	16 51	16 3		n.a.
F 16	7 36	6 49	2 57	5 7	2 58	8 31	0 37	3 1	0 32	15 37	1 6	21 36	0 54	23 58	0 20	21 3	1 12	5 48	15 2	16 26	16 50	16 1		n.a.
S 17	7 58	10 57	1 54	4 36	2 57	9 1	0 35	3 19	0 32	15 34	1 6	21 36	0 54	23 58	0 20	21 3	1 12	5 49	15 2	16 26	16 49	16 0		n.a.
S 18	8 20	14 37	0 43	4 3	2 56	9 30	0 33	3 36	0 31	15 31	1 6	21 35	0 55	23 58	0 20	21 3	1 12	5 49	15 2	16 25	16 48	15 58		n.a.
M19	8 41	17 33	0n31	3 29	2 54	9 59	0 30	3 54	0 31	15 28	1 6	21 35	0 55	23 59	0 20	21 3	1 12	5 50	15 2	16 25	16 47	15 56		n.a.
T 20	9 3	19 31	1 45	2 53	2 51	10 28	0 28	4 12	0 30	15 24	1 7	21 34	0 55	23 59	0 20	21 3	1 12	5 50	15 2	16 25	16 46	15 55		n.a.
W21	9 25	20 19	2 54	2 15	2 47	10 56	0 26	4 29	0 30	15 21	1 7	21 34	0 55	23 59	0 20	21 3	1 12	5 51	15 2	16 26	16 45	15 53		n.a.
T 22	9 46	19 52	3 52	1 36	2 44	11 25	0 24	4 47	0 29	15 18	1 7	21 34	0 55	23 59	0 20	21 3	1 12	5 51	15 2	16 26	16 44	15 52		n.a.
F 23	10 7	18 10	4 38	0 56	2 39	11 53	0 21	5 4	0 28	15 15	1 7	21 33	0 55	23 59	0 20	21 2	1 12	5 52	15 2	16 26	16 43	15 50		n.a.
S 24	10 28	15 21	5 6	0 14	2 34	12 21	0 19	5 21	0 28	15 12	1 7	21 33	0 56	23 59	0 20	21 2	1 12	5 52	15 2	16 27	16 42	15 49		n.a.
S 25	10 49	11 37	5 15	0n30	2 28	12 48	0 17	5 39	0 27	15 9	1 8	21 33	0 56	23 59	0 20	21 2	1 12	5 53	15 2	16 26	16 41	15 47		n.a.
M26	11 10	7 14	5 6	1 14	2 22	13 15	0 14	5 56	0 27	15 6	1 8	21 33	0 56	23 59	0 20	21 2	1 12	5 53	15 1	16 26	16 40	15 45		n.a.
T 27	11 30	2 29	4 38	2 0	2 15	13 42	0 12	6 13	0 26	15 3	1 8	21 32	0 56	23 59	0 20	21 2	1 12	5 54	15 1	16 25	16 40	15 44		n.a.
W28	11 51	2n22	3 53	2 47	2 8	14 9	0 10	6 30	0 26	15 0	1 8	21 32	0 56	23 59	0 20	21 1	1 12	5 54	15 1	16 25	16 39	15 42		n.a.
T 29	12 11	7 3	2 55	3 36	2 0	14 35	0 7	6 47	0 25	14 57	1 9	21 32	0 57	23 59	0 20	21 1	1 12	5 55	15 1	16 24	16 38	15 40		n.a.
F 30	12n31	11n18	1n48	4n25	1s52	15n 1	0s 5	7n 4	0s24	14s54	1s 9	21s32	0s57	23n59	0n20	21s 1	1n12	5n55	15n 1	16s24	16s37	15n39		n.a.

Julian Day Number = 1545462.5, Delta T = 04h34m37s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'34, Lahiri = -10°36'34 Julian Calendar 1 Apr. 482 BCE == Greg. Calendar 27 March 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

MAY 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 10 19	3♉30'57	7♉52	17♈13	11♉31	19♈28	23♒46	29♋ 8	25♊11	9°R46	20°R 7	14°R30	15♏10	29♌44	n.a.	S 1
S 2	14 14 16	4°28'16	20°56	19° 4	12°44	20°10	23°55	29° 9	25°14	9♐45	20♎ 6	14°D30	15° 7	29°51	n.a.	S 2
M 3	14 18 12	5°25'35	3♊42	20°58	13°58	20°53	24° 4	29°10	25°17	9°44	20° 4	14♏30	15° 4	29°58	n.a.	M 3
T 4	14 22 9	6°22'53	16°11	22°55	15°12	21°35	24°13	29°12	25°19	9°43	20° 3	14°31	15° 0	0♌ 5	n.a.	T 4
W 5	14 26 6	7°20'10	28°27	24°53	16°25	22°17	24°21	29°13	25°22	9°41	20° 1	14°32	14°57	0°11	n.a.	W 5
T 6	14 30 2	8°17'26	10♌31	26°53	17°39	23° 0	24°30	29°14	25°25	9°40	19°59	14°33	14°54	0°18	n.a.	T 6
F 7	14 33 59	9°14'41	22°27	28°56	18°52	23°42	24°38	29°15	25°27	9°39	19°58	14°33	14°51	0°25	n.a.	F 7
S 8	14 37 55	10°11'54	4♌20	1♉ 0	20° 6	24°24	24°46	29°16	25°30	9°37	19°56	14°33	14°48	0°31	n.a.	S 8
S 9	14 41 52	11° 9'07	16°15	3° 6	21°20	25° 6	24°54	29°17	25°33	9°36	19°55	14°R33	14°45	0°38	n.a.	S 9
M10	14 45 48	12° 6'19	28°15	5°13	22°33	25°48	25° 2	29°18	25°36	9°35	19°53	14°33	14°41	0°45	n.a.	M10
T 11	14 49 45	13° 3'30	10♍26	7°22	23°47	26°30	25°10	29°18	25°39	9°33	19°52	14°33	14°38	0°52	n.a.	T 11
W12	14 53 41	14° 0'40	22°50	9°32	25° 0	27°12	25°17	29°19	25°42	9°32	19°50	14°33	14°35	0°58	n.a.	W12
T 13	14 57 38	14°57'49	5♎32	11°42	26°14	27°54	25°25	29°19	25°45	9°31	19°49	14°D33	14°32	1° 5	n.a.	T 13
F 14	15 1 35	15°54'57	18°33	13°53	27°27	28°36	25°32	29°19	25°48	9°29	19°47	14°33	14°29	1°12	n.a.	F 14
S 15	15 5 31	16°52'05	1♏55	16° 5	28°41	29°17	25°39	29°20	25°51	9°28	19°46	14°33	14°25	1°18	n.a.	S 15
S 16	15 9 28	17°49'13	15°37	18°16	29°54	29°59	25°46	29°20	25°54	9°26	19°45	14°R33	14°22	1°25	n.a.	S 16
M17	15 13 24	18°46'19	29°36	20°28	1♊ 8	0♉41	25°53	29°R20	25°57	9°25	19°43	14°33	14°19	1°32	n.a.	M17
T 18	15 17 21	19°43'26	13♐49	22°38	2°21	1°22	26° 0	29°20	26° 0	9°23	19°42	14°33	14°16	1°39	n.a.	T 18
W19	15 21 17	20°40'32	28°11	24°49	3°35	2° 4	26° 6	29°19	26° 3	9°22	19°40	14°32	14°13	1°45	n.a.	W19
T 20	15 25 14	21°37'39	12♋39	26°58	4°48	2°45	26°13	29°19	26° 6	9°20	19°39	14°31	14°10	1°52	n.a.	T 20
F 21	15 29 11	22°34'45	27° 5	29° 5	6° 2	3°27	26°19	29°19	26°10	9°19	19°38	14°31	14° 6	1°59	n.a.	F 21
S 22	15 33 7	23°31'51	11♒27	1♊12	7°15	4° 8	26°25	29°18	26°13	9°17	19°36	14°30	14° 3	2° 5	n.a.	S 22
S 23	15 37 4	24°28'57	25°41	3°17	8°29	4°49	26°31	29°18	26°16	9°16	19°35	14°D30	14° 0	2°12	n.a.	S 23
M24	15 41 0	25°26'03	9♓44	5°20	9°42	5°31	26°37	29°17	26°19	9°14	19°34	14°30	13°57	2°19	n.a.	M24
T 25	15 44 57	26°23'09	23°35	7°22	10°56	6°12	26°42	29°16	26°23	9°12	19°33	14°31	13°54	2°26	n.a.	T 25
W26	15 48 53	27°20'16	7♈14	9°22	12° 9	6°53	26°48	29°15	26°26	9°11	19°31	14°32	13°51	2°32	n.a.	W26
T 27	15 52 50	28°17'22	20°39	11°19	13°23	7°34	26°53	29°14	26°29	9° 9	19°30	14°33	13°47	2°39	n.a.	T 27
F 28	15 56 46	29°14'29	3♉50	13°15	14°36	8°15	26°58	29°13	26°33	9° 8	19°29	14°34	13°44	2°46	n.a.	F 28
S 29	16 0 43	0♊11'35	16°48	15° 9	15°49	8°56	27° 3	29°12	26°36	9° 6	19°28	14°R34	13°41	2°53	n.a.	S 29
S 30	16 4 40	1° 8'42	29°33	17° 1	17° 3	9°37	27° 8	29°11	26°39	9° 5	19°27	14°33	13°38	2°59	n.a.	S 30
M31	16 8 36	2♊ 5'49	12♊ 5	18♊51	18♊16	10♉18	27♒13	29♋10	26♊43	9♐ 3	19♎26	14♏32	13♏35	3♌ 6	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n51	14n53	0n37	5n15	1s43	15n27	0s 3	7n21	0s24	14s52	1s 9	21s32	0s57	24n 0	0n20	21s 1	1n12	5n55	15n 1	16s24	16s36	15n37		n.a.
S 2	13 11	17 39	0s36	6 7	1 34	15 52	0 0	7 38	0 23	14 49	1 10	21 31	0 57	24 0	0 20	21 1	1 12	5 56	15 0	16 24	16 35	15 36		n.a.
M 3	13 30	19 28	1 44	6 59	1 25	16 16	0n 2	7 54	0 23	14 46	1 10	21 31	0 57	24 0	0 20	21 0	1 12	5 56	15 0	16 24	16 34	15 34		n.a.
T 4	13 49	20 16	2 47	7 52	1 15	16 41	0 5	8 11	0 22	14 43	1 10	21 31	0 57	24 0	0 20	21 0	1 12	5 57	15 0	16 24	16 33	15 32		n.a.
W 5	14 8	20 4	3 40	8 45	1 5	17 5	0 7	8 27	0 21	14 41	1 10	21 31	0 58	24 0	0 20	21 0	1 12	5 57	15 0	16 24	16 32	15 31		n.a.
T 6	14 27	18 58	4 23	9 39	0 55	17 28	0 9	8 44	0 21	14 38	1 11	21 31	0 58	24 0	0 20	21 0	1 12	5 57	15 0	16 25	16 31	15 29		n.a.
F 7	14 46	17 1	4 54	10 33	0 44	17 51	0 12	9 0	0 20	14 36	1 11	21 31	0 58	24 0	0 20	21 0	1 12	5 58	14 59	16 25	16 30	15 27		n.a.
S 8	15 4	14 22	5 12	11 27	0 33	18 14	0 14	9 16	0 20	14 33	1 11	21 31	0 58	24 0	0 20	20 59	1 12	5 58	14 59	16 25	16 29	15 26		n.a.
S 9	15 22	11 8	5 17	12 21	0 23	18 36	0 17	9 33	0 19	14 31	1 11	21 31	0 58	24 0	0 20	20 59	1 12	5 58	14 59	16 25	16 28	15 24		n.a.
M10	15 40	7 25	5 8	13 15	0 12	18 57	0 19	9 49	0 18	14 28	1 12	21 31	0 58	24 0	0 20	20 59	1 12	5 59	14 59	16 25	16 27	15 23		n.a.
T 11	15 58	3 22	4 45	14 8	0 1	19 18	0 21	10 5	0 18	14 26	1 12	21 31	0 59	24 1	0 20	20 59	1 12	5 59	14 58	16 25	16 26	15 21		n.a.
W12	16 15	0s56	4 9	15 0	0n10	19 39	0 24	10 20	0 17	14 24	1 12	21 31	0 59	24 1	0 20	20 59	1 12	5 59	14 58	16 25	16 25	15 19		n.a.
T 13	16 32	5 17	3 20	15 52	0 20	19 59	0 26	10 36	0 17	14 21	1 13	21 31	0 59	24 1	0 20	20 58	1 12	6 0	14 58	16 25	16 24	15 18		n.a.
F 14	16 49	9 30	2 19	16 42	0 30	20 19	0 29	10 52	0 16	14 19	1 13	21 31	0 59	24 1	0 20	20 58	1 12	6 0	14 57	16 25	16 23	15 16		n.a.
S 15	17 6	13 23	1 10	17 30	0 40	20 38	0 31	11 7	0 15	14 17	1 13	21 32	0 59	24 1	0 20	20 58	1 12	6 0	14 57	16 25	16 23	15 14		n.a.
S 16	17 22	16 38	0n 6	18 17	0 50	20 56	0 33	11 23	0 15	14 15	1 13	21 32	1 0	24 1	0 20	20 58	1 12	6 0	14 57	16 25	16 22	15 13		n.a.
M17	17 38	18 59	1 22	19 2	0 59	21 14	0 36	11 38	0 14	14 13	1 14	21 32	1 0	24 1	0 20	20 57	1 12	6 1	14 57	16 25	16 21	15 11		n.a.
T 18	17 54	20 11	2 35	19 45	1 7	21 31	0 38	11 53	0 14	14 11	1 14	21 32	1 0	24 1	0 20	20 57	1 12	6 1	14 56	16 25	16 20	15 9		n.a.
W19	18 9	20 5	3 39	20 26	1 15	21 48	0 40	12 9	0 13	14 9	1 14	21 32	1 0	24 1	0 20	20 57	1 12	6 1	14 56	16 25	16 19	15 8		n.a.
T 20	18 24	18 41	4 29	21 5	1 23	22 4	0 42	12 24	0 12	14 7	1 15	21 33	1 0	24 1	0 20	20 57	1 12	6 1	14 56	16 24	16 18	15 6		n.a.
F 21	18 39	16 4	5 2	21 40	1 30	22 19	0 44	12 39	0 12	14 5	1 15	21 33	1 0	24 1	0 20	20 57	1 12	6 1	14 55	16 24	16 17	15 4		n.a.
S 22	18 54	12 30	5 16	22 14	1 36	22 34	0 47	12 53	0 11	14 3	1 15	21 33	1 1	24 2	0 20	20 56	1 12	6 2	14 55	16 24	16 16	15 3		n.a.
S 23	19 8	8 15	5 11	22 44	1 41	22 49	0 49	13 8	0 10	14 1	1 15	21 33	1 1	24 2	0 20	20 56	1 12	6 2	14 55	16 24	16 15	15 1		n.a.
M24	19 22	3 36	4 47	23 12	1 46	23 2	0 51	13 23	0 10	13 59	1 16	21 34	1 1	24 2	0 20	20 56	1 12	6 2	14 54	16 24	16 14	14 59		n.a.
T 25	19 36	1n11	4 6	23 38	1 50	23 15	0 53	13 37	0 9	13 58	1 16	21 34	1 1	24 2	0 20	20 56	1 12	6 2	14 54	16 24	16 13	14 58		n.a.
W26	19 49	5 50	3 12	24 1	1 53	23 27	0 55	13 51	0 9	13 56	1 16	21 34	1 1	24 2	0 20	20 55	1 12	6 2	14 53	16 24	16 12	14 56		n.a.
T 27	20 2	10 9	2 8	24 21	1 56	23 39	0 57	14 5	0 8	13 55	1 17	21 35	1 2	24 2	0 20	20 55	1 12	6 2	14 53	16 25	16 11	14 54		n.a.
F 28	20 15	13 53	0 59	24 38	1 58	23 50	0 59	14 20	0 7	13 53	1 17	21 35	1 2	24 2	0 20	20 55	1 12	6 2	14 53	16 25	16 10	14 53		n.a.
S 29	20 27	16 53	0s12	24 53	1 59	24 0	1 1	14 33	0 7	13 52	1 17	21 36	1 2	24 2	0 20	20 55	1 12	6 2	14 52	16 25	16 9	14 51		n.a.
S 30	20 39	18 59	1 22	25 6	2 0	24 9	1 3	14 47	0 6	13 50	1 18	21 36	1 2	24 2	0 20	20 54	1 12	6 2	14 52	16 25	16 8	14 49		n.a.
M31	20n51	20n 7	2s26	25n16	2n 0	24n18	1n 5	15n 1	0s 5	13s49	1s18	21s36	1s 2	24n 2	0n20	20s54	1n12	6n 2	14n51	16s24	16s 7	14n48		n.a.

Julian Day Number = 1545492.5, Delta T = 04h34m36s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'30, Lahiri = -10°36'29 Julian Calendar 1 May 482 BCE == Greg. Calendar 26 Apr. 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

JUNE 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 12 33	3♊ 2'56	24♊25	20♊38	19♊30	10♉59	27♒17	29°R 8	26♊46	9°R 1	19°R24	14°R30	13♏31	3♌13	n.a.	T 1
W 2	16 16 29	4° 0'03	6♋35	22°24	20°43	11°40	27°21	29♑ 7	26°50	9♐ 0	19♎23	14♏27	13°28	3°19	n.a.	W 2
T 3	16 20 26	4°57'09	18°36	24° 8	21°57	12°21	27°25	29° 5	26°53	8°58	19°22	14°24	13°25	3°26	n.a.	T 3
F 4	16 24 22	5°54'16	0♌31	25°49	23°10	13° 1	27°29	29° 3	26°57	8°56	19°21	14°21	13°22	3°33	n.a.	F 4
S 5	16 28 19	6°51'23	12°24	27°29	24°23	13°42	27°33	29° 2	27° 0	8°55	19°20	14°18	13°19	3°40	n.a.	S 5
S 6	16 32 15	7°48'30	24°17	29° 6	25°37	14°23	27°36	29° 0	27° 4	8°53	19°19	14°16	13°16	3°46	n.a.	S 6
M 7	16 36 12	8°45'36	6♍16	0♋41	26°50	15° 3	27°40	28°58	27° 7	8°52	19°18	14°D16	13°12	3°53	n.a.	M 7
T 8	16 40 9	9°42'43	18°24	2°15	28° 4	15°44	27°43	28°56	27°11	8°50	19°18	14°16	13° 9	4° 0	n.a.	T 8
W 9	16 44 5	10°39'50	0♎48	3°46	29°17	16°24	27°46	28°53	27°14	8°48	19°17	14°17	13° 6	4° 6	n.a.	W 9
T 10	16 48 2	11°36'57	13°30	5°15	0♋30	17° 5	27°49	28°51	27°18	8°47	19°16	14°19	13° 3	4°13	n.a.	T 10
F 11	16 51 58	12°34'04	26°34	6°41	1°44	17°45	27°51	28°49	27°21	8°45	19°15	14°20	13° 0	4°20	n.a.	F 11
S 12	16 55 55	13°31'11	10♏ 3	8° 6	2°57	18°25	27°54	28°46	27°25	8°44	19°14	14°R21	12°57	4°27	n.a.	S 12
S 13	16 59 51	14°28'19	23°57	9°28	4°10	19° 6	27°56	28°44	27°28	8°42	19°13	14°21	12°53	4°33	n.a.	S 13
M14	17 3 48	15°25'27	8♐14	10°49	5°24	19°46	27°58	28°41	27°32	8°40	19°13	14°19	12°50	4°40	n.a.	M14
T 15	17 7 44	16°22'35	22°51	12° 6	6°37	20°26	28° 0	28°39	27°36	8°39	19°12	14°16	12°47	4°47	n.a.	T 15
W16	17 11 41	17°19'45	7♑40	13°22	7°50	21° 6	28° 2	28°36	27°39	8°37	19°11	14°12	12°44	4°54	n.a.	W16
T 17	17 15 38	18°16'54	22°33	14°35	9° 3	21°46	28° 3	28°33	27°43	8°36	19°11	14° 7	12°41	5° 0	n.a.	T 17
F 18	17 19 34	19°14'05	7♒23	15°46	10°17	22°26	28° 4	28°30	27°47	8°34	19°10	14° 2	12°37	5° 7	n.a.	F 18
S 19	17 23 31	20°11'17	22° 2	16°54	11°30	23° 6	28° 5	28°27	27°50	8°32	19°10	13°59	12°34	5°14	n.a.	S 19
S 20	17 27 27	21° 8'29	6♓24	18° 0	12°43	23°46	28° 6	28°24	27°54	8°31	19° 9	13°56	12°31	5°20	n.a.	S 20
M21	17 31 24	22° 5'42	20°28	19° 2	13°56	24°26	28° 7	28°21	27°58	8°29	19° 8	13°D55	12°28	5°27	n.a.	M21
T 22	17 35 20	23° 2'57	4♈11	20° 3	15°10	25° 6	28° 8	28°18	28° 1	8°28	19° 8	13°56	12°25	5°34	n.a.	T 22
W23	17 39 17	24° 0'12	17°35	21° 0	16°23	25°45	28° 8	28°14	28° 5	8°26	19° 8	13°57	12°22	5°41	n.a.	W23
T 24	17 43 14	24°57'29	0♉42	21°54	17°36	26°25	28°R 8	28°11	28° 9	8°25	19° 7	13°58	12°18	5°47	n.a.	T 24
F 25	17 47 10	25°54'47	13°33	22°45	18°49	27° 5	28° 8	28° 8	28°12	8°23	19° 7	13°R59	12°15	5°54	n.a.	F 25
S 26	17 51 7	26°52'06	26°11	23°32	20° 3	27°44	28° 8	28° 4	28°16	8°22	19° 6	13°58	12°12	6° 1	n.a.	S 26
S 27	17 55 3	27°49'26	8♊38	24°17	21°16	28°24	28° 7	28° 0	28°20	8°20	19° 6	13°56	12° 9	6° 8	n.a.	S 27
M28	17 59 0	28°46'47	20°56	24°57	22°29	29° 4	28° 6	27°57	28°23	8°19	19° 6	13°51	12° 6	6°14	n.a.	M28
T 29	18 2 56	29°44'09	3♋ 5	25°34	23°42	29°43	28° 6	27°53	28°27	8°17	19° 5	13°44	12° 3	6°21	n.a.	T 29
W30	18 6 53	0♋41'32	15♋ 7	26♋ 7	24♋55	0♊22	28♒ 4	27♑49	28♊31	8♐16	19♎ 5	13♏36	11♏59	6♌28	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 2	20n16	3s22	25n24	1n59	24n26	1n 7	15n14	0s 5	13s48	1s18	21s37	1s 2	24n 2	0n20	20s54	1n12	6n 2	14n51	16s24	16s 6	14n46		n.a.
W 2	21 13	19 27	4 9	25 29	1 58	24 34	1 8	15 28	0 4	13 47	1 19	21 37	1 3	24 3	0 20	20 54	1 12	6 2	14 51	16 23	16 5	14 44		n.a.
T 3	21 24	17 46	4 43	25 33	1 56	24 40	1 10	15 41	0 4	13 46	1 19	21 38	1 3	24 3	0 20	20 53	1 12	6 2	14 50	16 22	16 4	14 43		n.a.
F 4	21 34	15 20	5 5	25 34	1 53	24 46	1 12	15 54	0 3	13 44	1 19	21 38	1 3	24 3	0 20	20 53	1 12	6 2	14 50	16 21	16 3	14 41		n.a.
S 5	21 44	12 17	5 14	25 34	1 50	24 51	1 14	16 7	0 2	13 43	1 20	21 39	1 3	24 3	0 20	20 53	1 12	6 2	14 49	16 20	16 2	14 39		n.a.
S 6	21 54	8 44	5 9	25 31	1 46	24 56	1 15	16 20	0 2	13 43	1 20	21 40	1 3	24 3	0 20	20 53	1 12	6 2	14 49	16 20	16 1	14 38		n.a.
M 7	22 3	4 49	4 51	25 27	1 42	24 59	1 17	16 33	0 1	13 42	1 20	21 40	1 4	24 3	0 20	20 52	1 12	6 2	14 48	16 20	16 0	14 36		n.a.
T 8	22 12	0 39	4 20	25 21	1 37	25 2	1 18	16 45	0 0	13 41	1 21	21 41	1 4	24 3	0 20	20 52	1 12	6 2	14 48	16 20	15 59	14 34		n.a.
W 9	22 20	3s37	3 37	25 13	1 31	25 5	1 20	16 58	0n 0	13 40	1 21	21 41	1 4	24 3	0 20	20 52	1 12	6 2	14 47	16 20	15 58	14 33		n.a.
T 10	22 28	7 52	2 41	25 4	1 26	25 6	1 21	17 10	0 1	13 39	1 21	21 42	1 4	24 3	0 20	20 52	1 12	6 2	14 47	16 20	15 57	14 31		n.a.
F 11	22 36	11 52	1 36	24 54	1 19	25 7	1 22	17 22	0 2	13 39	1 22	21 43	1 4	24 3	0 20	20 51	1 12	6 2	14 47	16 21	15 57	14 29		n.a.
S 12	22 43	15 24	0 24	24 42	1 12	25 7	1 24	17 34	0 2	13 38	1 22	21 43	1 4	24 3	0 20	20 51	1 12	6 2	14 46	16 21	15 56	14 27		n.a.
S 13	22 50	18 10	0n52	24 29	1 5	25 6	1 25	17 46	0 3	13 38	1 22	21 44	1 5	24 3	0 20	20 51	1 12	6 1	14 46	16 21	15 55	14 26		n.a.
M14	22 57	19 53	2 7	24 15	0 57	25 4	1 26	17 58	0 4	13 37	1 23	21 45	1 5	24 3	0 20	20 51	1 12	6 1	14 45	16 21	15 54	14 24		n.a.
T 15	23 3	20 19	3 15	24 0	0 49	25 2	1 27	18 9	0 4	13 37	1 23	21 46	1 5	24 4	0 20	20 50	1 12	6 1	14 45	16 20	15 53	14 22		n.a.
W16	23 8	19 21	4 11	23 44	0 40	24 59	1 28	18 21	0 5	13 37	1 23	21 46	1 5	24 4	0 20	20 50	1 12	6 1	14 44	16 18	15 52	14 21		n.a.
T 17	23 14	17 5	4 50	23 27	0 31	24 55	1 29	18 32	0 5	13 37	1 24	21 47	1 5	24 4	0 20	20 50	1 12	6 1	14 44	16 17	15 51	14 19		n.a.
F 18	23 19	13 41	5 9	23 9	0 21	24 51	1 30	18 43	0 6	13 36	1 24	21 48	1 5	24 4	0 20	20 50	1 12	6 0	14 43	16 16	15 50	14 17		n.a.
S 19	23 23	9 29	5 8	22 51	0 11	24 45	1 31	18 54	0 7	13 36	1 24	21 49	1 6	24 4	0 20	20 50	1 12	6 0	14 43	16 14	15 49	14 15		n.a.
S 20	23 27	4 50	4 48	22 32	0 1	24 39	1 32	19 5	0 7	13 36	1 25	21 49	1 6	24 4	0 20	20 49	1 12	6 0	14 42	16 14	15 48	14 14		n.a.
M21	23 31	0n 0	4 10	22 13	0s10	24 33	1 32	19 15	0 8	13 36	1 25	21 50	1 6	24 4	0 20	20 49	1 12	6 0	14 42	16 13	15 47	14 12		n.a.
T 22	23 34	4 43	3 19	21 53	0 21	24 25	1 33	19 26	0 9	13 37	1 25	21 51	1 6	24 4	0 20	20 49	1 12	5 59	14 41	16 14	15 46	14 10		n.a.
W23	23 37	9 7	2 18	21 33	0 32	24 17	1 34	19 36	0 9	13 37	1 26	21 52	1 6	24 4	0 20	20 49	1 12	5 59	14 41	16 14	15 45	14 9		n.a.
T 24	23 39	12 59	1 12	21 13	0 44	24 8	1 34	19 46	0 10	13 37	1 26	21 53	1 6	24 4	0 20	20 48	1 12	5 59	14 40	16 14	15 44	14 7		n.a.
F 25	23 41	16 9	0 2	20 53	0 56	23 58	1 35	19 56	0 11	13 37	1 26	21 53	1 6	24 4	0 20	20 48	1 12	5 58	14 40	16 15	15 43	14 5		n.a.
S 26	23 43	18 29	1s 6	20 33	1 8	23 48	1 35	20 6	0 11	13 38	1 27	21 54	1 7	24 4	0 20	20 48	1 12	5 58	14 39	16 14	15 42	14 3		n.a.
S 27	23 44	19 54	2 9	20 13	1 20	23 37	1 35	20 15	0 12	13 38	1 27	21 55	1 7	24 4	0 20	20 48	1 12	5 58	14 38	16 14	15 41	14 2		n.a.
M28	23 45	20 21	3 6	19 54	1 33	23 25	1 35	20 25	0 13	13 39	1 27	21 56	1 7	24 4	0 20	20 48	1 12	5 57	14 38	16 12	15 40	14 0		n.a.
T 29	23 45	19 49	3 54	19 34	1 46	23 13	1 36	20 34	0 13	13 40	1 28	21 57	1 7	24 4	0 20	20 47	1 12	5 57	14 37	16 10	15 39	13 58		n.a.
W30	23n45	18n25	4s30	19n16	1s59	23n 0	1n36	20n43	0n14	13s40	1s28	21s58	1s 7	24n 4	0n20	20s47	1n12	5n56	14n37	16s 8	15s38	13n56		n.a.

Julian Day Number = 1545523.5, Delta T = 04h34m35s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'26, Lahiri = -10°36'25 Julian Calendar 1 June 482 BCE == Greg. Calendar 27 May 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

JULY 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 10 49	1♋38'56	27♋ 4	26♋35	26♋ 8	1♊ 2	28°R 3	27°R46	28♊34	8°R14	19°R 5	13°R27	11♏56	6♌34	n.a.	T 1
F 2	18 14 46	2°36'21	8♌56	27° 0	27°21	1°41	28♒ 2	27♑42	28°38	8♐13	19♎ 5	13♏18	11°53	6°41	n.a.	F 2
S 3	18 18 43	3°33'47	20°48	27°19	28°35	2°20	28° 0	27°38	28°42	8°11	19° 5	13°10	11°50	6°48	n.a.	S 3
S 4	18 22 39	4°31'14	2♍40	27°34	29°48	3° 0	27°58	27°34	28°45	8°10	19° 5	13° 4	11°47	6°55	n.a.	S 4
M 5	18 26 36	5°28'41	14°37	27°44	1♌ 1	3°39	27°56	27°30	28°49	8° 8	19° 5	12°59	11°43	7° 1	n.a.	M 5
T 6	18 30 32	6°26'10	26°43	27°R49	2°14	4°18	27°54	27°26	28°53	8° 7	19°D 5	12°57	11°40	7° 8	n.a.	T 6
W 7	18 34 29	7°23'40	9♎ 3	27°49	3°27	4°57	27°51	27°22	28°56	8° 6	19° 5	12°D56	11°37	7°15	n.a.	W 7
T 8	18 38 25	8°21'10	21°41	27°44	4°40	5°36	27°49	27°18	29° 0	8° 4	19° 5	12°57	11°34	7°21	n.a.	T 8
F 9	18 42 22	9°18'42	4♏42	27°33	5°53	6°15	27°46	27°13	29° 4	8° 3	19° 5	12°58	11°31	7°28	n.a.	F 9
S 10	18 46 18	10°16'14	18° 9	27°16	7° 6	6°54	27°43	27° 9	29° 7	8° 2	19° 5	12°R58	11°28	7°35	n.a.	S 10
S 11	18 50 15	11°13'48	2♐ 5	26°54	8°19	7°33	27°40	27° 5	29°11	8° 0	19° 5	12°56	11°24	7°42	n.a.	S 11
M12	18 54 12	12°11'23	16°28	26°27	9°32	8°12	27°36	27° 1	29°15	7°59	19° 5	12°53	11°21	7°48	n.a.	M12
T 13	18 58 8	13° 8'59	1♑17	25°55	10°45	8°50	27°33	26°56	29°18	7°58	19° 5	12°47	11°18	7°55	n.a.	T 13
W14	19 2 5	14° 6'37	16°23	25°18	11°58	9°29	27°29	26°52	29°22	7°57	19° 6	12°39	11°15	8° 2	n.a.	W14
T 15	19 6 1	15° 4'16	1♒36	24°37	13°11	10° 8	27°25	26°47	29°25	7°55	19° 6	12°30	11°12	8° 9	n.a.	T 15
F 16	19 9 58	16° 1'56	16°47	23°52	14°23	10°46	27°21	26°43	29°29	7°54	19° 6	12°21	11° 9	8°15	n.a.	F 16
S 17	19 13 54	16°59'38	1♓45	23° 3	15°36	11°25	27°17	26°39	29°33	7°53	19° 7	12°13	11° 5	8°22	n.a.	S 17
S 18	19 17 51	17°57'22	16°22	22°13	16°49	12° 3	27°12	26°34	29°36	7°52	19° 7	12° 7	11° 2	8°29	n.a.	S 18
M19	19 21 47	18°55'08	0♈33	21°21	18° 2	12°42	27° 8	26°30	29°40	7°51	19° 7	12° 4	10°59	8°35	n.a.	M19
T 20	19 25 44	19°52'55	14°19	20°28	19°15	13°20	27° 3	26°25	29°43	7°50	19° 8	12°D 2	10°56	8°42	n.a.	T 20
W21	19 29 41	20°50'45	27°39	19°36	20°27	13°59	26°58	26°21	29°47	7°49	19° 8	12° 2	10°53	8°49	n.a.	W21
T 22	19 33 37	21°48'36	10♉38	18°46	21°40	14°37	26°53	26°16	29°50	7°48	19° 9	12°R 3	10°49	8°56	n.a.	T 22
F 23	19 37 34	22°46'29	23°18	17°58	22°53	15°15	26°48	26°11	29°54	7°47	19° 9	12° 2	10°46	9° 2	n.a.	F 23
S 24	19 41 30	23°44'24	5♊43	17°14	24° 6	15°54	26°42	26° 7	29°57	7°46	19°10	12° 0	10°43	9° 9	n.a.	S 24
S 25	19 45 27	24°42'21	17°57	16°35	25°18	16°32	26°37	26° 2	0♋ 0	7°45	19°10	11°55	10°40	9°16	n.a.	S 25
M26	19 49 23	25°40'20	0♋ 3	16° 1	26°31	17°10	26°31	25°58	0° 4	7°44	19°11	11°47	10°37	9°23	n.a.	M26
T 27	19 53 20	26°38'21	12° 3	15°34	27°43	17°48	26°25	25°53	0° 7	7°43	19°12	11°37	10°34	9°29	n.a.	T 27
W28	19 57 16	27°36'24	23°59	15°14	28°56	18°26	26°19	25°49	0°11	7°42	19°13	11°24	10°30	9°36	n.a.	W28
T 29	20 1 13	28°34'28	5♌52	15° 1	0♍ 9	19° 4	26°13	25°44	0°14	7°41	19°13	11°11	10°27	9°43	n.a.	T 29
F 30	20 5 10	29°32'34	17°43	14°D57	1°21	19°42	26° 7	25°40	0°17	7°40	19°14	10°57	10°24	9°49	n.a.	F 30
S 31	20 9 6	0♌30'42	29♌35	15♋ 0	2♍34	20♊20	26♒ 0	25♑35	0♋21	7♐39	19♎15	10♏44	10♏21	9♌56	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n44	16n12	4s54	18n58	2s12	22n46	1n36	20n52	0n15	13s41	1s28	21s59	1s 7	24n 5	0n20	20s47	1n12	5n56	14n36	16s 5	15s37	13n55			n.a.
F 2	23 44	13 21	5 6	18 40	2 25	22 31	1 36	21 1	0 15	13 42	1 29	22 0	1 8	24 5	0 20	20 47	1 12	5 56	14 36	16 2	15 36	13 53			n.a.
S 3	23 42	9 57	5 4	18 24	2 37	22 16	1 36	21 10	0 16	13 43	1 29	22 1	1 8	24 5	0 20	20 47	1 12	5 55	14 35	16 0	15 35	13 51			n.a.
S 4	23 40	6 10	4 49	18 8	2 50	22 1	1 35	21 18	0 17	13 44	1 29	22 2	1 8	24 5	0 20	20 46	1 12	5 55	14 35	15 58	15 34	13 50			n.a.
M 5	23 38	2 7	4 21	17 54	3 3	21 44	1 35	21 26	0 17	13 45	1 30	22 3	1 8	24 5	0 20	20 46	1 12	5 54	14 34	15 56	15 33	13 48			n.a.
T 6	23 36	2s 4	3 42	17 41	3 15	21 27	1 35	21 35	0 18	13 46	1 30	22 3	1 8	24 5	0 20	20 46	1 12	5 54	14 34	15 56	15 32	13 46			n.a.
W 7	23 33	6 15	2 52	17 29	3 27	21 10	1 34	21 42	0 19	13 47	1 30	22 4	1 8	24 5	0 20	20 46	1 12	5 53	14 33	15 55	15 31	13 44			n.a.
T 8	23 29	10 17	1 52	17 19	3 38	20 52	1 34	21 50	0 19	13 48	1 31	22 5	1 8	24 5	0 20	20 46	1 12	5 53	14 32	15 56	15 30	13 43			n.a.
F 9	23 25	13 57	0 44	17 11	3 49	20 33	1 33	21 58	0 20	13 49	1 31	22 6	1 8	24 5	0 20	20 45	1 12	5 52	14 32	15 56	15 29	13 41			n.a.
S 10	23 21	17 1	0n28	17 4	3 59	20 14	1 33	22 5	0 21	13 51	1 31	22 7	1 9	24 5	0 20	20 45	1 12	5 51	14 31	15 56	15 28	13 39			n.a.
S 11	23 16	19 12	1 40	16 59	4 9	19 54	1 32	22 12	0 21	13 52	1 31	22 8	1 9	24 5	0 20	20 45	1 12	5 51	14 31	15 55	15 27	13 37			n.a.
M12	23 11	20 15	2 49	16 56	4 17	19 34	1 31	22 19	0 22	13 54	1 32	22 9	1 9	24 5	0 20	20 45	1 12	5 50	14 30	15 54	15 26	13 36			n.a.
T 13	23 6	19 57	3 48	16 55	4 24	19 13	1 30	22 26	0 23	13 55	1 32	22 10	1 9	24 5	0 20	20 45	1 12	5 50	14 30	15 52	15 25	13 34			n.a.
W14	23 0	18 13	4 33	16 56	4 30	18 51	1 29	22 33	0 23	13 57	1 32	22 11	1 9	24 5	0 20	20 45	1 12	5 49	14 29	15 50	15 24	13 32			n.a.
T 15	22 53	15 13	4 58	16 59	4 34	18 29	1 28	22 39	0 24	13 58	1 33	22 12	1 9	24 5	0 20	20 44	1 12	5 49	14 29	15 47	15 23	13 30			n.a.
F 16	22 46	11 12	5 3	17 5	4 36	18 7	1 27	22 46	0 25	14 0	1 33	22 13	1 9	24 5	0 20	20 44	1 11	5 48	14 28	15 44	15 22	13 29			n.a.
S 17	22 39	6 32	4 46	17 12	4 37	17 44	1 26	22 52	0 25	14 2	1 33	22 14	1 9	24 5	0 20	20 44	1 11	5 47	14 27	15 42	15 21	13 27			n.a.
S 18	22 32	1 36	4 11	17 21	4 36	17 20	1 25	22 58	0 26	14 4	1 34	22 15	1 10	24 5	0 20	20 44	1 11	5 47	14 27	15 40	15 20	13 25			n.a.
M19	22 24	3n18	3 22	17 32	4 34	16 57	1 23	23 4	0 27	14 6	1 34	22 16	1 10	24 5	0 20	20 44	1 11	5 46	14 26	15 39	15 19	13 23			n.a.
T 20	22 15	7 53	2 22	17 44	4 29	16 32	1 22	23 9	0 28	14 7	1 34	22 17	1 10	24 5	0 20	20 44	1 11	5 45	14 26	15 39	15 18	13 21			n.a.
W21	22 7	11 57	1 16	17 58	4 22	16 8	1 20	23 15	0 28	14 9	1 34	22 18	1 10	24 5	0 20	20 43	1 11	5 45	14 25	15 39	15 17	13 20			n.a.
T 22	21 58	15 19	0 8	18 14	4 14	15 42	1 19	23 20	0 29	14 11	1 35	22 19	1 10	24 5	0 20	20 43	1 11	5 44	14 25	15 39	15 16	13 18			n.a.
F 23	21 48	17 53	0s59	18 30	4 4	15 17	1 17	23 25	0 30	14 14	1 35	22 20	1 10	24 5	0 20	20 43	1 11	5 43	14 24	15 39	15 15	13 16			n.a.
S 24	21 38	19 32	2 2	18 48	3 52	14 51	1 15	23 30	0 30	14 16	1 35	22 21	1 10	24 5	0 20	20 43	1 11	5 42	14 24	15 38	15 14	13 14			n.a.
S 25	21 28	20 14	2 58	19 6	3 38	14 25	1 14	23 34	0 31	14 18	1 35	22 22	1 10	24 5	0 20	20 43	1 11	5 42	14 23	15 36	15 13	13 13			n.a.
M26	21 17	20 0	3 45	19 24	3 24	13 58	1 12	23 39	0 32	14 20	1 36	22 23	1 10	24 5	0 20	20 43	1 11	5 41	14 22	15 34	15 12	13 11			n.a.
T 27	21 6	18 51	4 22	19 43	3 8	13 31	1 10	23 43	0 32	14 22	1 36	22 24	1 10	24 5	0 20	20 43	1 11	5 40	14 22	15 31	15 11	13 9			n.a.
W28	20 55	16 53	4 47	20 2	2 52	13 3	1 8	23 47	0 33	14 25	1 36	22 25	1 10	24 5	0 20	20 43	1 11	5 39	14 21	15 27	15 10	13 7			n.a.
T 29	20 43	14 14	4 59	20 20	2 34	12 36	1 6	23 51	0 34	14 27	1 36	22 26	1 11	24 5	0 20	20 43	1 11	5 39	14 21	15 23	15 9	13 5			n.a.
F 30	20 31	11 0	4 58	20 38	2 17	12 7	1 4	23 55	0 34	14 29	1 37	22 27	1 11	24 5	0 20	20 42	1 11	5 38	14 20	15 18	15 8	13 4			n.a.
S 31	20n18	7n20	4s44	20n56	1s59	11n39	1n 2	23n59	0n35	14s32	1s37	22s28	1s11	24n 5	0n20	20s42	1n11	5n37	14n20	15s14	15s 7	13n 2			n.a.

Julian Day Number = 1545553.5, Delta T = 04h34m33s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'22, Lahiri = -10°36'21 Julian Calendar 1 July 482 BCE == Greg. Calendar 26 June 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

AUGUST 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 13 3	1♌28'51	11♍29	15♋12	3♍46	20♊58	25°R54	25°R30	0♋24	7°R38	19♎16	10°R34	10♏18	10♌ 3	n.a.	S 1
M 2	20 16 59	2°27'02	23°28	15°33	4°59	21°36	25♒47	25♑26	0°27	7♐38	19°17	10♏26	10°14	10°10	n.a.	M 2
T 3	20 20 56	3°25'15	5♎34	16° 2	6°11	22°13	25°40	25°21	0°31	7°37	19°18	10°21	10°11	10°16	n.a.	T 3
W 4	20 24 52	4°23'29	17°52	16°40	7°24	22°51	25°33	25°17	0°34	7°36	19°19	10°18	10° 8	10°23	n.a.	W 4
T 5	20 28 49	5°21'45	0♏27	17°25	8°36	23°29	25°26	25°12	0°37	7°35	19°19	10°17	10° 5	10°30	n.a.	T 5
F 6	20 32 45	6°20'03	13°22	18°18	9°48	24° 6	25°19	25° 8	0°40	7°35	19°21	10°17	10° 2	10°37	n.a.	F 6
S 7	20 36 42	7°18'22	26°42	19°19	11° 1	24°44	25°12	25° 4	0°43	7°34	19°22	10°17	9°59	10°43	n.a.	S 7
S 8	20 40 39	8°16'43	10♐31	20°26	12°13	25°21	25° 5	24°59	0°46	7°34	19°23	10°15	9°55	10°50	n.a.	S 8
M 9	20 44 35	9°15'06	24°49	21°40	13°25	25°59	24°57	24°55	0°49	7°33	19°24	10°10	9°52	10°57	n.a.	M 9
T 10	20 48 32	10°13'30	9♑34	23° 0	14°37	26°36	24°50	24°51	0°52	7°33	19°25	10° 3	9°49	11° 3	n.a.	T 10
W11	20 52 28	11°11'56	24°41	24°25	15°50	27°13	24°42	24°46	0°56	7°32	19°26	9°53	9°46	11°10	n.a.	W11
T 12	20 56 25	12°10'25	10♒ 0	25°55	17° 2	27°50	24°34	24°42	0°59	7°32	19°27	9°42	9°43	11°17	n.a.	T 12
F 13	21 0 21	13° 8'55	25°21	27°30	18°14	28°28	24°27	24°38	1° 1	7°31	19°28	9°32	9°40	11°24	n.a.	F 13
S 14	21 4 18	14° 7'27	10♓31	29° 8	19°26	29° 5	24°19	24°34	1° 4	7°31	19°30	9°22	9°36	11°30	n.a.	S 14
S 15	21 8 14	15° 6'01	25°21	0♌49	20°38	29°42	24°11	24°29	1° 7	7°30	19°31	9°14	9°33	11°37	n.a.	S 15
M16	21 12 11	16° 4'38	9♈44	2°32	21°50	0♋19	24° 3	24°25	1°10	7°30	19°32	9° 9	9°30	11°44	n.a.	M16
T 17	21 16 7	17° 3'17	23°38	4°18	23° 2	0°56	23°55	24°21	1°13	7°30	19°34	9° 7	9°27	11°50	n.a.	T 17
W18	21 20 4	18° 1'58	7♉ 3	6° 6	24°14	1°33	23°48	24°17	1°16	7°29	19°35	9°D 7	9°24	11°57	n.a.	W18
T 19	21 24 1	19° 0'42	20° 2	7°55	25°25	2°10	23°40	24°13	1°19	7°29	19°36	9°R 7	9°20	12° 4	n.a.	T 19
F 20	21 27 57	19°59'28	2♊40	9°45	26°37	2°46	23°32	24°10	1°21	7°29	19°38	9° 6	9°17	12°11	n.a.	F 20
S 21	21 31 54	20°58'16	15° 0	11°35	27°49	3°23	23°24	24° 6	1°24	7°29	19°39	9° 4	9°14	12°17	n.a.	S 21
S 22	21 35 50	21°57'07	27° 8	13°26	29° 1	4° 0	23°16	24° 2	1°27	7°29	19°41	8°59	9°11	12°24	n.a.	S 22
M23	21 39 47	22°56'00	9♋ 8	15°17	0♎13	4°37	23° 7	23°58	1°29	7°28	19°42	8°52	9° 8	12°31	n.a.	M23
T 24	21 43 43	23°54'56	21° 2	17° 8	1°24	5°13	22°59	23°55	1°32	7°28	19°44	8°42	9° 5	12°38	n.a.	T 24
W25	21 47 40	24°53'54	2♌54	18°59	2°36	5°50	22°51	23°51	1°34	7°28	19°46	8°29	9° 1	12°44	n.a.	W25
T 26	21 51 36	25°52'54	14°46	20°49	3°47	6°26	22°43	23°47	1°37	7°D28	19°47	8°16	8°58	12°51	n.a.	T 26
F 27	21 55 33	26°51'56	26°39	22°39	4°59	7° 3	22°35	23°44	1°39	7°28	19°49	8° 2	8°55	12°58	n.a.	F 27
S 28	21 59 30	27°51'00	8♍35	24°28	6°10	7°39	22°27	23°41	1°42	7°28	19°50	7°50	8°52	13° 4	n.a.	S 28
S 29	22 3 26	28°50'06	20°35	26°17	7°22	8°15	22°19	23°37	1°44	7°28	19°52	7°39	8°49	13°11	n.a.	S 29
M30	22 7 23	29°49'15	2♎40	28° 5	8°33	8°51	22°12	23°34	1°47	7°28	19°54	7°31	8°46	13°18	n.a.	M30
T 31	22 11 19	0♍48'25	14♎53	29♌52	9♎45	9♋28	22♒ 4	23♑31	1♋49	7♐29	19♎56	7♏26	8♏42	13♌25	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n 5	3n22	4s18	21n12	1s41	11n10	0n59	24n 2	0n36	14s34	1s37	22s28	1s11	24n 5	0n20	20s42	1n11	5n36	14n19	15s11	15s 6	13n 0		n.a.
M 2	19 52	0s44	3 41	21 27	1 23	10 41	0 57	24 5	0 37	14 37	1 37	22 29	1 11	24 5	0 20	20 42	1 11	5 35	14 19	15 8	15 5	12 58		n.a.
T 3	19 39	4 52	2 52	21 41	1 6	10 12	0 55	24 8	0 37	14 39	1 38	22 30	1 11	24 5	0 20	20 42	1 11	5 35	14 18	15 7	15 4	12 57		n.a.
W 4	19 25	8 53	1 56	21 54	0 48	9 43	0 52	24 11	0 38	14 42	1 38	22 31	1 11	24 5	0 20	20 42	1 11	5 34	14 18	15 6	15 3	12 55		n.a.
T 5	19 11	12 35	0 52	22 4	0 32	9 13	0 50	24 14	0 39	14 45	1 38	22 32	1 11	24 5	0 20	20 42	1 11	5 33	14 17	15 6	15 2	12 53		n.a.
F 6	18 56	15 48	0n16	22 13	0 16	8 43	0 47	24 16	0 39	14 47	1 38	22 33	1 11	24 5	0 20	20 42	1 11	5 32	14 17	15 6	15 1	12 51		n.a.
S 7	18 41	18 17	1 26	22 20	0 1	8 13	0 45	24 19	0 40	14 50	1 38	22 34	1 11	24 5	0 20	20 42	1 11	5 31	14 16	15 6	15 0	12 49		n.a.
S 8	18 26	19 48	2 32	22 24	0n13	7 43	0 42	24 21	0 41	14 52	1 38	22 35	1 11	24 5	0 20	20 42	1 11	5 30	14 16	15 5	14 59	12 48		n.a.
M 9	18 10	20 7	3 32	22 25	0 27	7 12	0 39	24 23	0 42	14 55	1 39	22 36	1 11	24 5	0 21	20 42	1 10	5 29	14 15	15 3	14 58	12 46		n.a.
T 10	17 55	19 5	4 19	22 24	0 39	6 41	0 36	24 25	0 42	14 58	1 39	22 36	1 11	24 5	0 21	20 42	1 10	5 29	14 15	15 1	14 57	12 44		n.a.
W11	17 38	16 43	4 50	22 21	0 51	6 10	0 33	24 26	0 43	15 1	1 39	22 37	1 11	24 5	0 21	20 42	1 10	5 28	14 14	14 58	14 56	12 42		n.a.
T 12	17 22	13 9	5 0	22 14	1 1	5 39	0 31	24 28	0 44	15 3	1 39	22 38	1 11	24 5	0 21	20 42	1 10	5 27	14 14	14 55	14 55	12 40		n.a.
F 13	17 5	8 42	4 49	22 5	1 10	5 8	0 28	24 29	0 44	15 6	1 39	22 39	1 11	24 5	0 21	20 42	1 10	5 26	14 13	14 51	14 54	12 39		n.a.
S 14	16 48	3 45	4 18	21 53	1 18	4 37	0 25	24 30	0 45	15 9	1 39	22 40	1 11	24 5	0 21	20 42	1 10	5 25	14 12	14 48	14 53	12 37		n.a.
S 15	16 31	1n19	3 29	21 38	1 26	4 5	0 21	24 31	0 46	15 12	1 40	22 40	1 12	24 5	0 21	20 42	1 10	5 24	14 12	14 46	14 52	12 35		n.a.
M16	16 13	6 10	2 29	21 20	1 32	3 34	0 18	24 32	0 47	15 14	1 40	22 41	1 12	24 5	0 21	20 42	1 10	5 23	14 12	14 44	14 51	12 33		n.a.
T 17	15 56	10 32	1 21	21 0	1 37	3 2	0 15	24 32	0 47	15 17	1 40	22 42	1 12	24 5	0 21	20 42	1 10	5 22	14 11	14 43	14 50	12 31		n.a.
W18	15 37	14 13	0 11	20 38	1 42	2 30	0 12	24 33	0 48	15 20	1 40	22 43	1 12	24 5	0 21	20 42	1 10	5 21	14 11	14 43	14 49	12 30		n.a.
T 19	15 19	17 3	0s58	20 13	1 45	1 59	0 9	24 33	0 49	15 23	1 40	22 44	1 12	24 5	0 21	20 42	1 10	5 20	14 10	14 43	14 48	12 28		n.a.
F 20	15 0	18 59	2 1	19 46	1 48	1 27	0 6	24 33	0 49	15 25	1 40	22 44	1 12	24 5	0 21	20 42	1 10	5 19	14 10	14 43	14 47	12 26		n.a.
S 21	14 42	19 57	2 58	19 17	1 49	0 55	0 2	24 33	0 50	15 28	1 40	22 45	1 12	24 5	0 21	20 42	1 10	5 18	14 9	14 42	14 46	12 24		n.a.
S 22	14 22	19 58	3 45	18 46	1 50	0 23	0s 1	24 32	0 51	15 31	1 40	22 46	1 12	24 5	0 21	20 42	1 10	5 17	14 9	14 41	14 45	12 22		n.a.
M23	14 3	19 5	4 22	18 13	1 51	0s 9	0 5	24 32	0 52	15 34	1 40	22 46	1 12	24 5	0 21	20 42	1 10	5 16	14 8	14 38	14 43	12 21		n.a.
T 24	13 43	17 21	4 47	17 39	1 50	0 41	0 8	24 31	0 52	15 36	1 40	22 47	1 12	24 5	0 21	20 42	1 10	5 15	14 8	14 35	14 42	12 19		n.a.
W25	13 23	14 55	4 59	17 3	1 49	1 13	0 11	24 30	0 53	15 39	1 40	22 48	1 12	24 5	0 21	20 42	1 10	5 14	14 7	14 31	14 41	12 17		n.a.
T 26	13 3	11 51	4 59	16 26	1 48	1 45	0 15	24 29	0 54	15 42	1 40	22 48	1 12	24 5	0 21	20 42	1 10	5 13	14 7	14 27	14 40	12 15		n.a.
F 27	12 43	8 19	4 45	15 48	1 46	2 17	0 18	24 28	0 55	15 45	1 40	22 49	1 12	24 5	0 21	20 42	1 10	5 12	14 6	14 22	14 39	12 13		n.a.
S 28	12 23	4 27	4 19	15 9	1 43	2 49	0 22	24 27	0 55	15 47	1 40	22 49	1 12	24 5	0 21	20 42	1 10	5 11	14 6	14 18	14 38	12 11		n.a.
S 29	12 2	0 23	3 42	14 29	1 40	3 21	0 26	24 26	0 56	15 50	1 40	22 50	1 12	24 5	0 21	20 42	1 10	5 10	14 6	14 15	14 37	12 10		n.a.
M30	11 41	3s43	2 53	13 48	1 37	3 53	0 29	24 24	0 57	15 53	1 40	22 51	1 12	24 5	0 21	20 42	1 9	5 9	14 5	14 12	14 36	12 8		n.a.
T 31	11n20	7s44	1s57	13n 7	1n33	4s25	0s33	24n22	0n58	15s55	1s40	22s51	1s12	24n 5	0n21	20s42	1n 9	5n 8	14n 5	14s10	14s35	12n 6		n.a.

Julian Day Number = 1545584.5, Delta T = 04h34m32s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'17, Lahiri = -10°36'17 Julian Calendar 1 Aug. 482 BCE == Greg. Calendar 27 July 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

SEPTEMBER 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 15 16	1♍47'38	27♎17	1♍38	10♎56	10♋ 4	21°R56	23°R28	1♋51	7♐29	19♎57	7°R24	8♏39	13♌31	n.a.	W 1
T 2	22 19 12	2°46'52	9♏54	3°24	12° 7	10°40	21♒48	23♑25	1°53	7°29	19°59	7°D24	8°36	13°38	n.a.	T 2
F 3	22 23 9	3°46'08	22°49	5° 9	13°18	11°16	21°40	23°22	1°56	7°29	20° 1	7♏24	8°33	13°45	n.a.	F 3
S 4	22 27 5	4°45'26	6♐ 4	6°53	14°29	11°52	21°33	23°19	1°58	7°30	20° 3	7°R24	8°30	13°52	n.a.	S 4
S 5	22 31 2	5°44'46	19°44	8°36	15°41	12°27	21°25	23°16	2° 0	7°30	20° 5	7°24	8°26	13°58	n.a.	S 5
M 6	22 34 58	6°44'08	3♑50	10°19	16°52	13° 3	21°18	23°14	2° 2	7°30	20° 6	7°21	8°23	14° 5	n.a.	M 6
T 7	22 38 55	7°43'32	18°20	12° 0	18° 2	13°39	21°10	23°11	2° 4	7°31	20° 8	7°15	8°20	14°12	n.a.	T 7
W 8	22 42 52	8°42'58	3♒13	13°41	19°13	14°14	21° 3	23° 9	2° 6	7°31	20°10	7° 8	8°17	14°18	n.a.	W 8
T 9	22 46 48	9°42'26	18°20	15°21	20°24	14°50	20°56	23° 6	2° 8	7°31	20°12	7° 0	8°14	14°25	n.a.	T 9
F 10	22 50 45	10°41'55	3♓33	17° 1	21°35	15°26	20°49	23° 4	2°10	7°32	20°14	6°51	8°11	14°32	n.a.	F 10
S 11	22 54 41	11°41'27	18°40	18°39	22°46	16° 1	20°42	23° 2	2°11	7°32	20°16	6°43	8° 7	14°39	n.a.	S 11
S 12	22 58 38	12°41'01	3♈32	20°17	23°56	16°36	20°35	22°59	2°13	7°33	20°18	6°37	8° 4	14°45	n.a.	S 12
M13	23 2 34	13°40'37	18° 1	21°54	25° 7	17°12	20°28	22°57	2°15	7°34	20°20	6°33	8° 1	14°52	n.a.	M13
T 14	23 6 31	14°40'15	2♉ 2	23°31	26°17	17°47	20°21	22°55	2°17	7°34	20°22	6°D32	7°58	14°59	n.a.	T 14
W15	23 10 27	15°39'56	15°35	25° 7	27°27	18°22	20°15	22°54	2°18	7°35	20°24	6°32	7°55	15° 5	n.a.	W15
T 16	23 14 24	16°39'39	28°41	26°42	28°38	18°57	20° 8	22°52	2°20	7°35	20°26	6°33	7°51	15°12	n.a.	T 16
F 17	23 18 21	17°39'25	11♊23	28°17	29°48	19°32	20° 2	22°50	2°21	7°36	20°28	6°34	7°48	15°19	n.a.	F 17
S 18	23 22 17	18°39'13	23°45	29°51	0♏58	20° 7	19°56	22°49	2°23	7°37	20°31	6°R34	7°45	15°26	n.a.	S 18
S 19	23 26 14	19°39'03	5♋53	1♎24	2° 8	20°42	19°50	22°47	2°24	7°38	20°33	6°32	7°42	15°32	n.a.	S 19
M20	23 30 10	20°38'56	17°51	2°57	3°18	21°17	19°44	22°46	2°26	7°38	20°35	6°29	7°39	15°39	n.a.	M20
T 21	23 34 7	21°38'51	29°44	4°29	4°28	21°51	19°39	22°44	2°27	7°39	20°37	6°23	7°36	15°46	n.a.	T 21
W22	23 38 3	22°38'48	11♌35	6° 1	5°38	22°26	19°33	22°43	2°28	7°40	20°39	6°16	7°32	15°53	n.a.	W22
T 23	23 42 0	23°38'47	23°28	7°32	6°48	23° 0	19°28	22°42	2°29	7°41	20°41	6° 8	7°29	15°59	n.a.	T 23
F 24	23 45 56	24°38'49	5♍24	9° 2	7°57	23°35	19°22	22°41	2°31	7°42	20°44	5°59	7°26	16° 6	n.a.	F 24
S 25	23 49 53	25°38'52	17°27	10°32	9° 7	24° 9	19°17	22°40	2°32	7°43	20°46	5°52	7°23	16°13	n.a.	S 25
S 26	23 53 49	26°38'58	29°37	12° 2	10°17	24°44	19°12	22°39	2°33	7°44	20°48	5°45	7°20	16°19	n.a.	S 26
M27	23 57 46	27°39'05	11♎55	13°31	11°26	25°18	19° 8	22°39	2°34	7°45	20°50	5°41	7°17	16°26	n.a.	M27
T 28	0 1 43	28°39'15	24°22	14°59	12°35	25°52	19° 3	22°38	2°35	7°46	20°53	5°38	7°13	16°33	n.a.	T 28
W29	0 5 39	29°39'26	7♏ 0	16°27	13°44	26°26	18°59	22°38	2°36	7°47	20°55	5°D38	7°10	16°40	n.a.	W29
T 30	0 9 36	0♎39'39	19♏51	17♎54	14♏53	27♋ 0	18♒55	22♑37	2♋36	7♐48	20♎57	5♏39	7♏ 7	16♌46	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n58	11s28	0s54	12n24	1n29	4s56	0s36	24n20	0n58	15s58	1s40	22s52	1s12	24n 5	0n21	20s42	1n 9	5n 7	14n 4	14s10	14s34	12n 4		n.a.
T 2	10 37	14 46	0n13	11 42	1 24	5 28	0 40	24 18	0 59	16 0	1 40	22 52	1 12	24 5	0 21	20 42	1 9	5 6	14 4	14 9	14 33	12 2		n.a.
F 3	10 15	17 24	1 21	10 58	1 19	5 59	0 44	24 16	1 0	16 3	1 40	22 53	1 12	24 5	0 21	20 42	1 9	5 5	14 3	14 10	14 32	12 0		n.a.
S 4	9 53	19 12	2 27	10 15	1 14	6 31	0 47	24 13	1 1	16 5	1 40	22 53	1 12	24 5	0 21	20 42	1 9	5 4	14 3	14 10	14 31	11 59		n.a.
S 5	9 31	19 56	3 26	9 31	1 9	7 2	0 51	24 11	1 2	16 8	1 40	22 54	1 12	24 5	0 21	20 43	1 9	5 3	14 3	14 9	14 30	11 57		n.a.
M 6	9 9	19 27	4 15	8 47	1 3	7 33	0 55	24 8	1 2	16 10	1 40	22 54	1 12	24 5	0 21	20 43	1 9	5 2	14 2	14 8	14 29	11 55		n.a.
T 7	8 47	17 43	4 49	8 2	0 58	8 4	0 58	24 5	1 3	16 12	1 40	22 55	1 12	24 5	0 21	20 43	1 9	5 1	14 2	14 7	14 28	11 53		n.a.
W 8	8 24	14 46	5 4	7 18	0 52	8 35	1 2	24 2	1 4	16 15	1 40	22 55	1 12	24 5	0 21	20 43	1 9	5 0	14 2	14 4	14 27	11 51		n.a.
T 9	8 2	10 48	4 59	6 33	0 46	9 5	1 6	23 59	1 5	16 17	1 40	22 55	1 12	24 5	0 21	20 43	1 9	4 59	14 1	14 2	14 26	11 49		n.a.
F 10	7 39	6 6	4 33	5 48	0 40	9 35	1 9	23 56	1 5	16 19	1 40	22 56	1 12	24 5	0 21	20 43	1 9	4 58	14 1	13 59	14 25	11 48		n.a.
S 11	7 16	1 3	3 47	5 3	0 33	10 6	1 13	23 52	1 6	16 21	1 40	22 56	1 12	24 5	0 21	20 43	1 9	4 57	14 0	13 56	14 24	11 46		n.a.
S 12	6 53	3n59	2 47	4 18	0 27	10 36	1 17	23 49	1 7	16 24	1 40	22 57	1 12	24 5	0 21	20 43	1 9	4 56	14 0	13 54	14 23	11 44		n.a.
M13	6 30	8 40	1 38	3 34	0 20	11 5	1 20	23 45	1 8	16 26	1 40	22 57	1 12	24 5	0 21	20 44	1 9	4 54	14 0	13 53	14 22	11 42		n.a.
T 14	6 7	12 43	0 24	2 49	0 14	11 35	1 24	23 41	1 9	16 28	1 40	22 57	1 12	24 5	0 21	20 44	1 9	4 53	13 59	13 52	14 21	11 40		n.a.
W15	5 43	15 57	0s49	2 4	0 7	12 4	1 28	23 37	1 9	16 30	1 40	22 57	1 12	24 5	0 21	20 44	1 9	4 52	13 59	13 52	14 20	11 38		n.a.
T 16	5 20	18 14	1 56	1 20	0 0	12 33	1 31	23 33	1 10	16 32	1 39	22 58	1 12	24 5	0 21	20 44	1 9	4 51	13 59	13 53	14 19	11 37		n.a.
F 17	4 56	19 31	2 56	0 36	0s 6	13 1	1 35	23 29	1 11	16 34	1 39	22 58	1 12	24 5	0 21	20 44	1 9	4 50	13 58	13 53	14 18	11 35		n.a.
S 18	4 33	19 50	3 47	0s 8	0 13	13 30	1 39	23 24	1 12	16 35	1 39	22 58	1 12	24 5	0 21	20 44	1 9	4 49	13 58	13 53	14 17	11 33		n.a.
S 19	4 9	19 12	4 26	0 52	0 20	13 58	1 42	23 20	1 13	16 37	1 39	22 58	1 12	24 5	0 22	20 44	1 8	4 48	13 58	13 52	14 16	11 31		n.a.
M20	3 45	17 43	4 52	1 36	0 27	14 26	1 46	23 15	1 13	16 39	1 39	22 59	1 12	24 5	0 22	20 45	1 8	4 47	13 58	13 51	14 14	11 29		n.a.
T 21	3 21	15 29	5 6	2 19	0 34	14 53	1 49	23 10	1 14	16 41	1 39	22 59	1 12	24 5	0 22	20 45	1 8	4 46	13 57	13 49	14 13	11 27		n.a.
W22	2 57	12 37	5 7	3 2	0 40	15 20	1 53	23 6	1 15	16 42	1 39	22 59	1 12	24 5	0 22	20 45	1 8	4 45	13 57	13 47	14 12	11 25		n.a.
T 23	2 33	9 15	4 54	3 45	0 47	15 47	1 56	23 0	1 16	16 44	1 38	22 59	1 11	24 5	0 22	20 45	1 8	4 44	13 57	13 44	14 11	11 24		n.a.
F 24	2 9	5 29	4 29	4 27	0 54	16 13	1 59	22 55	1 17	16 45	1 38	22 59	1 11	24 5	0 22	20 45	1 8	4 43	13 56	13 41	14 10	11 22		n.a.
S 25	1 45	1 28	3 52	5 9	1 1	16 39	2 3	22 50	1 18	16 47	1 38	22 59	1 11	24 5	0 22	20 46	1 8	4 42	13 56	13 39	14 9	11 20		n.a.
S 26	1 21	2s38	3 3	5 51	1 7	17 5	2 6	22 45	1 18	16 48	1 38	23 0	1 11	24 5	0 22	20 46	1 8	4 41	13 56	13 37	14 8	11 18		n.a.
M27	0 57	6 41	2 5	6 32	1 14	17 30	2 9	22 39	1 19	16 50	1 38	23 0	1 11	24 5	0 22	20 46	1 8	4 40	13 56	13 35	14 7	11 16		n.a.
T 28	0 33	10 31	1 1	7 12	1 20	17 55	2 12	22 34	1 20	16 51	1 38	23 0	1 11	24 5	0 22	20 46	1 8	4 39	13 55	13 34	14 6	11 14		n.a.
W29	0 8	13 55	0n 8	7 52	1 26	18 19	2 16	22 28	1 21	16 52	1 37	23 0	1 11	24 5	0 22	20 46	1 8	4 37	13 55	13 34	14 5	11 13		n.a.
T 30	0s16	16s42	1n17	8s32	1s32	18s43	2s19	22n22	1n22	16s53	1s37	23s 0	1s11	24n 5	0n22	20s47	1n 8	4n36	13n55	13s34	14s 4	11n11		n.a.

Julian Day Number = 1545615.5, Delta T = 04h34m31s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'13, Lahiri = -10°36'13 Julian Calendar 1 Sept. 482 BCE == Greg. Calendar 27 Aug. 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

OCTOBER 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 13 32	1♎39'54	2♐55	19♎20	16♏ 2	27♋34	18°R51	22°R37	2♋37	7♐49	20♎59	5♏40	7♏ 4	16♌53	n.a.	F 1
S 2	0 17 29	2°40'11	16°15	20°46	17°11	28° 7	18♒47	22♑37	2°38	7°51	21° 2	5°42	7° 1	17° 0	n.a.	S 2
S 3	0 21 25	3°40'29	29°53	22°11	18°20	28°41	18°43	22°D37	2°39	7°52	21° 4	5°R43	6°57	17° 6	n.a.	S 3
M 4	0 25 22	4°40'48	13♑49	23°35	19°29	29°15	18°40	22°37	2°39	7°53	21° 6	5°42	6°54	17°13	n.a.	M 4
T 5	0 29 18	5°41'10	28° 4	24°59	20°37	29°48	18°37	22°37	2°40	7°54	21° 9	5°41	6°51	17°20	n.a.	T 5
W 6	0 33 15	6°41'32	12♒35	26°21	21°45	0♌21	18°34	22°37	2°40	7°56	21°11	5°38	6°48	17°27	n.a.	W 6
T 7	0 37 12	7°41'56	27°19	27°43	22°54	0°55	18°31	22°38	2°41	7°57	21°13	5°34	6°45	17°33	n.a.	T 7
F 8	0 41 8	8°42'22	12♓ 8	29° 4	24° 2	1°28	18°28	22°38	2°41	7°58	21°16	5°30	6°42	17°40	n.a.	F 8
S 9	0 45 5	9°42'49	26°55	0♏23	25°10	2° 1	18°26	22°39	2°42	8° 0	21°18	5°26	6°38	17°47	n.a.	S 9
S 10	0 49 1	10°43'18	11♈32	1°42	26°17	2°34	18°24	22°40	2°42	8° 1	21°21	5°23	6°35	17°54	n.a.	S 10
M11	0 52 58	11°43'49	25°53	2°59	27°25	3° 7	18°22	22°40	2°42	8° 2	21°23	5°22	6°32	18° 0	n.a.	M11
T 12	0 56 54	12°44'21	9♉53	4°14	28°32	3°39	18°20	22°41	2°42	8° 4	21°25	5°D22	6°29	18° 7	n.a.	T 12
W13	1 0 51	13°44'55	23°28	5°28	29°40	4°12	18°18	22°42	2°42	8° 5	21°28	5°23	6°26	18°14	n.a.	W13
T 14	1 4 47	14°45'32	6♊38	6°40	0♐47	4°45	18°17	22°43	2°42	8° 7	21°30	5°24	6°23	18°20	n.a.	T 14
F 15	1 8 44	15°46'10	19°25	7°49	1°54	5°17	18°15	22°45	2°R42	8° 8	21°32	5°26	6°19	18°27	n.a.	F 15
S 16	1 12 41	16°46'49	1♋53	8°56	3° 0	5°49	18°14	22°46	2°42	8°10	21°35	5°27	6°16	18°34	n.a.	S 16
S 17	1 16 37	17°47'31	14° 4	10° 0	4° 7	6°21	18°14	22°47	2°42	8°12	21°37	5°R28	6°13	18°41	n.a.	S 17
M18	1 20 34	18°48'14	26° 4	11° 2	5°13	6°54	18°13	22°49	2°42	8°13	21°40	5°27	6°10	18°47	n.a.	M18
T 19	1 24 30	19°48'59	7♌58	11°59	6°19	7°26	18°13	22°50	2°42	8°15	21°42	5°27	6° 7	18°54	n.a.	T 19
W20	1 28 27	20°49'46	19°49	12°53	7°25	7°57	18°D12	22°52	2°42	8°16	21°45	5°25	6° 3	19° 1	n.a.	W20
T 21	1 32 23	21°50'35	1♍43	13°41	8°31	8°29	18°12	22°54	2°41	8°18	21°47	5°23	6° 0	19° 7	n.a.	T 21
F 22	1 36 20	22°51'25	13°43	14°25	9°37	9° 1	18°13	22°56	2°41	8°20	21°49	5°21	5°57	19°14	n.a.	F 22
S 23	1 40 16	23°52'16	25°52	15° 3	10°42	9°32	18°13	22°58	2°41	8°22	21°52	5°19	5°54	19°21	n.a.	S 23
S 24	1 44 13	24°53'09	8♎12	15°34	11°47	10° 3	18°14	23° 0	2°40	8°23	21°54	5°18	5°51	19°28	n.a.	S 24
M25	1 48 9	25°54'04	20°45	15°58	12°52	10°35	18°15	23° 2	2°40	8°25	21°57	5°17	5°48	19°34	n.a.	M25
T 26	1 52 6	26°54'59	3♏31	16°14	13°56	11° 6	18°16	23° 5	2°39	8°27	21°59	5°D16	5°44	19°41	n.a.	T 26
W27	1 56 3	27°55'57	16°31	16°R21	15° 1	11°36	18°17	23° 7	2°38	8°29	22° 1	5°17	5°41	19°48	n.a.	W27
T 28	1 59 59	28°56'55	29°44	16°18	16° 5	12° 7	18°18	23°10	2°38	8°31	22° 4	5°17	5°38	19°54	n.a.	T 28
F 29	2 3 56	29°57'54	13♐10	16° 4	17° 9	12°38	18°20	23°12	2°37	8°32	22° 6	5°18	5°35	20° 1	n.a.	F 29
S 30	2 7 52	0♏58'54	26°49	15°40	18°12	13° 8	18°22	23°15	2°36	8°34	22° 9	5°18	5°32	20° 8	n.a.	S 30
S 31	2 11 49	1♏59'55	10♑38	15♏ 5	19♐15	13♌38	18♒24	23♑18	2♋35	8♐36	22♎11	5♏19	5♏28	20♌15	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s40	18s40	2n24	9s11	1s38	19s 7	2s22	22n16	1n23	16s54	1s37	23s 0	1s11	24n 5	0n22	20s47	1n 8	4n35	13n55	13s35	14s 3	11n 9		n.a.
S 2	1 4	19 39	3 24	9 49	1 44	19 30	2 25	22 10	1 24	16 55	1 37	23 0	1 11	24 5	0 22	20 47	1 8	4 34	13 55	13 35	14 2	11 7		n.a.
S 3	1 29	19 31	4 14	10 27	1 50	19 52	2 28	22 4	1 25	16 56	1 37	23 0	1 11	24 5	0 22	20 47	1 8	4 33	13 54	13 36	14 1	11 5		n.a.
M 4	1 53	18 12	4 51	11 4	1 55	20 14	2 30	21 58	1 25	16 57	1 36	23 0	1 11	24 5	0 22	20 48	1 8	4 32	13 54	13 36	14 0	11 3		n.a.
T 5	2 17	15 45	5 10	11 40	2 1	20 36	2 33	21 52	1 26	16 58	1 36	23 0	1 11	24 5	0 22	20 48	1 8	4 31	13 54	13 35	13 59	11 1		n.a.
W 6	2 41	12 17	5 11	12 15	2 6	20 57	2 36	21 45	1 27	16 59	1 36	23 0	1 11	24 5	0 22	20 48	1 8	4 30	13 54	13 34	13 58	10 59		n.a.
T 7	3 6	8 1	4 51	12 50	2 11	21 17	2 39	21 39	1 28	16 59	1 36	22 59	1 11	24 5	0 22	20 48	1 8	4 29	13 54	13 33	13 57	10 58		n.a.
F 8	3 30	3 14	4 12	13 23	2 15	21 37	2 41	21 32	1 29	17 0	1 36	22 59	1 11	24 5	0 22	20 49	1 8	4 28	13 53	13 32	13 56	10 56		n.a.
S 9	3 54	1n45	3 16	13 56	2 19	21 57	2 44	21 26	1 30	17 1	1 35	22 59	1 11	24 6	0 22	20 49	1 8	4 27	13 53	13 30	13 54	10 54		n.a.
S 10	4 18	6 34	2 7	14 27	2 23	22 16	2 46	21 19	1 31	17 1	1 35	22 59	1 11	24 6	0 22	20 49	1 8	4 26	13 53	13 29	13 53	10 52		n.a.
M11	4 42	10 56	0 52	14 58	2 27	22 34	2 48	21 12	1 32	17 1	1 35	22 59	1 11	24 6	0 22	20 49	1 8	4 25	13 53	13 29	13 52	10 50		n.a.
T 12	5 6	14 34	0s25	15 27	2 30	22 52	2 51	21 5	1 33	17 2	1 35	22 59	1 11	24 6	0 22	20 50	1 7	4 24	13 53	13 29	13 51	10 48		n.a.
W13	5 30	17 18	1 38	15 55	2 33	23 9	2 53	20 58	1 34	17 2	1 34	22 58	1 11	24 6	0 22	20 50	1 7	4 23	13 53	13 29	13 50	10 46		n.a.
T 14	5 53	19 0	2 44	16 21	2 35	23 26	2 55	20 51	1 34	17 2	1 34	22 58	1 11	24 6	0 22	20 50	1 7	4 22	13 53	13 30	13 49	10 44		n.a.
F 15	6 17	19 40	3 40	16 46	2 37	23 42	2 57	20 44	1 35	17 2	1 34	22 58	1 11	24 6	0 22	20 51	1 7	4 21	13 52	13 30	13 48	10 43		n.a.
S 16	6 41	19 21	4 23	17 9	2 38	23 57	2 59	20 37	1 36	17 3	1 34	22 58	1 11	24 6	0 22	20 51	1 7	4 20	13 52	13 31	13 47	10 41		n.a.
S 17	7 4	18 7	4 54	17 31	2 39	24 12	3 0	20 30	1 37	17 3	1 33	22 57	1 11	24 6	0 22	20 51	1 7	4 19	13 52	13 31	13 46	10 39		n.a.
M18	7 28	16 6	5 12	17 50	2 38	24 26	3 2	20 22	1 38	17 2	1 33	22 57	1 10	24 6	0 22	20 51	1 7	4 18	13 52	13 31	13 45	10 37		n.a.
T 19	7 51	13 26	5 16	18 7	2 38	24 39	3 3	20 15	1 39	17 2	1 33	22 57	1 10	24 6	0 22	20 52	1 7	4 17	13 52	13 30	13 44	10 35		n.a.
W20	8 14	10 13	5 6	18 23	2 36	24 52	3 5	20 8	1 40	17 2	1 33	22 56	1 10	24 6	0 22	20 52	1 7	4 16	13 52	13 30	13 43	10 33		n.a.
T 21	8 37	6 36	4 43	18 35	2 33	25 4	3 6	20 0	1 41	17 2	1 32	22 56	1 10	24 6	0 22	20 52	1 7	4 15	13 52	13 29	13 42	10 31		n.a.
F 22	9 0	2 40	4 8	18 45	2 30	25 16	3 7	19 53	1 42	17 2	1 32	22 56	1 10	24 6	0 22	20 53	1 7	4 15	13 52	13 29	13 41	10 29		n.a.
S 23	9 23	1s25	3 21	18 52	2 25	25 27	3 8	19 45	1 43	17 1	1 32	22 55	1 10	24 6	0 23	20 53	1 7	4 14	13 52	13 28	13 40	10 28		n.a.
S 24	9 45	5 30	2 24	18 56	2 19	25 37	3 9	19 38	1 44	17 1	1 32	22 55	1 10	24 6	0 23	20 53	1 7	4 13	13 52	13 27	13 39	10 26		n.a.
M25	10 8	9 26	1 20	18 56	2 12	25 47	3 10	19 30	1 45	17 0	1 31	22 54	1 10	24 6	0 23	20 54	1 7	4 12	13 52	13 27	13 37	10 24		n.a.
T 26	10 30	13 0	0 10	18 52	2 3	25 55	3 11	19 22	1 46	17 0	1 31	22 54	1 10	24 6	0 23	20 54	1 7	4 11	13 52	13 27	13 36	10 22		n.a.
W27	10 53	16 0	1n 2	18 45	1 53	26 4	3 11	19 14	1 47	16 59	1 31	22 54	1 10	24 6	0 23	20 54	1 7	4 10	13 52	13 27	13 35	10 20		n.a.
T 28	11 15	18 13	2 12	18 33	1 42	26 11	3 12	19 7	1 48	16 58	1 31	22 53	1 10	24 6	0 23	20 55	1 7	4 9	13 52	13 27	13 34	10 18		n.a.
F 29	11 36	19 27	3 15	18 16	1 28	26 18	3 12	18 59	1 49	16 58	1 30	22 53	1 10	24 6	0 23	20 55	1 7	4 8	13 52	13 27	13 33	10 16		n.a.
S 30	11 58	19 34	4 9	17 55	1 14	26 24	3 12	18 51	1 50	16 57	1 30	22 52	1 10	24 6	0 23	20 55	1 7	4 7	13 52	13 28	13 32	10 14		n.a.
S 31	12s19	18s32	4n48	17s29	0s57	26s30	3s12	18n43	1n51	16s56	1s30	22s51	1s10	24n 6	0n23	20s56	1n 7	4n 6	13n52	13s28	13s31	10n12		n.a.

Julian Day Number = 1545645.5, Delta T = 04h34m30s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'09, Lahiri = -10°36'09 Julian Calendar 1 Oct. 482 BCE == Greg. Calendar 26 Sept. 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

NOVEMBER 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 15 45	3♏ 0'57	24♑37	14°R19	20♐18	14♌ 9	18♒26	23♑21	2°R34	8♐38	22♎13	5♏19	5♏25	20♌21	n.a.	M 1
T 2	2 19 42	4° 2'00	8♒45	13♏22	21°21	14°39	18°29	23°24	2♋33	8°40	22°16	5°R19	5°22	20°28	n.a.	T 2
W 3	2 23 38	5° 3'03	22°59	12°16	22°23	15° 8	18°32	23°27	2°32	8°42	22°18	5°D19	5°19	20°35	n.a.	W 3
T 4	2 27 35	6° 4'07	7♓18	11° 2	23°25	15°38	18°35	23°30	2°31	8°44	22°21	5°19	5°16	20°42	n.a.	T 4
F 5	2 31 32	7° 5'11	21°38	9°43	24°26	16° 7	18°38	23°34	2°30	8°46	22°23	5°19	5°13	20°48	n.a.	F 5
S 6	2 35 28	8° 6'16	5♈55	8°20	25°27	16°37	18°41	23°37	2°29	8°48	22°25	5°19	5° 9	20°55	n.a.	S 6
S 7	2 39 25	9° 7'22	20° 6	6°57	26°28	17° 6	18°44	23°40	2°28	8°50	22°28	5°19	5° 6	21° 2	n.a.	S 7
M 8	2 43 21	10° 8'29	4♉ 4	5°37	27°28	17°35	18°48	23°44	2°27	8°52	22°30	5°R19	5° 3	21° 8	n.a.	M 8
T 9	2 47 18	11° 9'36	17°48	4°22	28°28	18° 4	18°52	23°48	2°25	8°54	22°32	5°19	5° 0	21°15	n.a.	T 9
W10	2 51 14	12°10'44	1♊14	3°15	29°28	18°32	18°56	23°52	2°24	8°56	22°35	5°19	4°57	21°22	n.a.	W10
T 11	2 55 11	13°11'53	14°21	2°16	0♑27	19° 1	19° 0	23°55	2°23	8°58	22°37	5°18	4°54	21°29	n.a.	T 11
F 12	2 59 8	14°13'03	27° 8	1°28	1°25	19°29	19° 5	23°59	2°21	9° 0	22°39	5°17	4°50	21°35	n.a.	F 12
S 13	3 3 4	15°14'14	9♋38	0°51	2°23	19°57	19° 9	24° 3	2°20	9° 2	22°41	5°15	4°47	21°42	n.a.	S 13
S 14	3 7 1	16°15'25	21°52	0°25	3°21	20°25	19°14	24° 7	2°18	9° 5	22°44	5°14	4°44	21°49	n.a.	S 14
M15	3 10 57	17°16'38	3♌54	0°10	4°18	20°53	19°19	24°12	2°17	9° 7	22°46	5°13	4°41	21°55	n.a.	M15
T 16	3 14 54	18°17'51	15°49	0°D 6	5°14	21°20	19°24	24°16	2°15	9° 9	22°48	5°D13	4°38	22° 2	n.a.	T 16
W17	3 18 50	19°19'04	27°41	0°11	6°10	21°47	19°30	24°20	2°13	9°11	22°50	5°13	4°34	22° 9	n.a.	W17
T 18	3 22 47	20°20'19	9♍35	0°26	7° 5	22°14	19°35	24°25	2°12	9°13	22°53	5°14	4°31	22°16	n.a.	T 18
F 19	3 26 43	21°21'34	21°35	0°48	8° 0	22°41	19°41	24°29	2°10	9°15	22°55	5°15	4°28	22°22	n.a.	F 19
S 20	3 30 40	22°22'50	3♎47	1°19	8°54	23° 8	19°47	24°34	2° 8	9°18	22°57	5°17	4°25	22°29	n.a.	S 20
S 21	3 34 37	23°24'06	16°13	1°56	9°47	23°34	19°53	24°39	2° 6	9°20	22°59	5°18	4°22	22°36	n.a.	S 21
M22	3 38 33	24°25'23	28°57	2°39	10°40	24° 0	19°59	24°43	2° 4	9°22	23° 1	5°R19	4°19	22°42	n.a.	M22
T 23	3 42 30	25°26'40	12♏ 0	3°27	11°32	24°26	20° 6	24°48	2° 2	9°24	23° 3	5°19	4°15	22°49	n.a.	T 23
W24	3 46 26	26°27'57	25°22	4°20	12°23	24°51	20°12	24°53	2° 0	9°26	23° 5	5°18	4°12	22°56	n.a.	W24
T 25	3 50 23	27°29'15	9♐ 2	5°18	13°13	25°17	20°19	24°58	1°58	9°29	23° 8	5°15	4° 9	23° 3	n.a.	T 25
F 26	3 54 19	28°30'32	22°57	6°19	14° 3	25°42	20°26	25° 3	1°56	9°31	23°10	5°12	4° 6	23° 9	n.a.	F 26
S 27	3 58 16	29°31'50	7♑ 3	7°23	14°51	26° 7	20°33	25° 8	1°54	9°33	23°12	5° 9	4° 3	23°16	n.a.	S 27
S 28	4 2 12	0♐33'08	21°17	8°30	15°39	26°31	20°40	25°14	1°52	9°35	23°14	5° 5	4° 0	23°23	n.a.	S 28
M29	4 6 9	1°34'25	5♒33	9°40	16°26	26°56	20°48	25°19	1°50	9°38	23°16	5° 2	3°56	23°29	n.a.	M29
T 30	4 10 6	2♐35'42	19♒48	10♏52	17♑12	27♌20	20♒55	25♑24	1♋48	9♐40	23♎18	5♏ 0	3♏53	23♌36	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s41	16s22	5n12	16s58	0s39	26s35	3s12	18n35	1n52	16s55	1s30	22s51	1s10	24n 6	0n23	20s56	1n 7	4n 6	13n52	13s28	13s30	10n11		n.a.
T 2	13 2	13 13	5 17	16 23	0 20	26 39	3 11	18 28	1 53	16 54	1 29	22 50	1 10	24 6	0 23	20 56	1 7	4 5	13 52	13 28	13 29	10 9		n.a.
W 3	13 22	9 16	5 2	15 44	0 1	26 42	3 11	18 20	1 55	16 53	1 29	22 50	1 10	24 6	0 23	20 57	1 7	4 4	13 52	13 28	13 28	10 7		n.a.
T 4	13 43	4 47	4 29	15 1	0n20	26 45	3 10	18 12	1 56	16 52	1 29	22 49	1 10	24 6	0 23	20 57	1 7	4 3	13 52	13 28	13 27	10 5		n.a.
F 5	14 3	0 0	3 39	14 16	0 41	26 47	3 9	18 4	1 57	16 50	1 29	22 49	1 10	24 7	0 23	20 57	1 7	4 2	13 52	13 28	13 26	10 3		n.a.
S 6	14 23	4n46	2 36	13 31	1 1	26 49	3 8	17 56	1 58	16 49	1 28	22 48	1 10	24 7	0 23	20 58	1 7	4 2	13 52	13 28	13 25	10 1		n.a.
S 7	14 43	9 14	1 24	12 45	1 20	26 49	3 7	17 48	1 59	16 48	1 28	22 47	1 10	24 7	0 23	20 58	1 7	4 1	13 52	13 28	13 24	9 59		n.a.
M 8	15 3	13 9	0 7	12 2	1 38	26 49	3 6	17 40	2 0	16 46	1 28	22 47	1 10	24 7	0 23	20 58	1 7	4 0	13 52	13 28	13 22	9 57		n.a.
T 9	15 22	16 16	1s 9	11 21	1 54	26 49	3 4	17 32	2 1	16 45	1 28	22 46	1 10	24 7	0 23	20 59	1 7	3 59	13 52	13 28	13 21	9 55		n.a.
W10	15 41	18 25	2 19	10 45	2 8	26 48	3 3	17 24	2 2	16 43	1 27	22 45	1 9	24 7	0 23	20 59	1 6	3 58	13 52	13 28	13 20	9 53		n.a.
T 11	16 0	19 31	3 20	10 13	2 20	26 46	3 1	17 16	2 3	16 42	1 27	22 45	1 9	24 7	0 23	20 59	1 6	3 58	13 52	13 28	13 19	9 52		n.a.
F 12	16 19	19 34	4 9	9 47	2 30	26 43	2 59	17 8	2 5	16 40	1 27	22 44	1 9	24 7	0 23	21 0	1 6	3 57	13 52	13 27	13 18	9 50		n.a.
S 13	16 37	18 39	4 46	9 27	2 38	26 40	2 56	17 0	2 6	16 38	1 27	22 43	1 9	24 7	0 23	21 0	1 6	3 56	13 53	13 27	13 17	9 48		n.a.
S 14	16 55	16 53	5 8	9 13	2 44	26 36	2 54	16 52	2 7	16 37	1 26	22 42	1 9	24 7	0 23	21 0	1 6	3 56	13 53	13 26	13 16	9 46		n.a.
M15	17 13	14 24	5 16	9 4	2 47	26 32	2 51	16 45	2 8	16 35	1 26	22 41	1 9	24 7	0 23	21 1	1 6	3 55	13 53	13 26	13 15	9 44		n.a.
T 16	17 30	11 21	5 11	9 1	2 49	26 27	2 48	16 37	2 9	16 33	1 26	22 41	1 9	24 7	0 23	21 1	1 6	3 54	13 53	13 26	13 14	9 42		n.a.
W17	17 47	7 52	4 53	9 2	2 50	26 22	2 45	16 29	2 10	16 31	1 26	22 40	1 9	24 7	0 23	21 1	1 6	3 54	13 53	13 26	13 13	9 40		n.a.
T 18	18 4	4 3	4 22	9 8	2 49	26 15	2 42	16 21	2 12	16 29	1 25	22 39	1 9	24 7	0 23	21 2	1 6	3 53	13 53	13 26	13 12	9 38		n.a.
F 19	18 20	0 2	3 39	9 18	2 47	26 9	2 39	16 13	2 13	16 27	1 25	22 38	1 9	24 7	0 23	21 2	1 6	3 52	13 53	13 27	13 11	9 36		n.a.
S 20	18 36	4s 3	2 46	9 32	2 44	26 1	2 35	16 6	2 14	16 25	1 25	22 37	1 9	24 7	0 23	21 2	1 6	3 52	13 54	13 27	13 9	9 34		n.a.
S 21	18 52	8 3	1 44	9 48	2 40	25 54	2 31	15 58	2 15	16 23	1 25	22 36	1 9	24 7	0 23	21 3	1 6	3 51	13 54	13 28	13 8	9 33		n.a.
M22	19 7	11 47	0 35	10 8	2 35	25 45	2 27	15 50	2 17	16 20	1 24	22 36	1 9	24 7	0 23	21 3	1 6	3 50	13 54	13 28	13 7	9 31		n.a.
T 23	19 22	15 3	0n37	10 29	2 29	25 36	2 22	15 43	2 18	16 18	1 24	22 35	1 9	24 7	0 23	21 4	1 6	3 50	13 54	13 28	13 6	9 29		n.a.
W24	19 37	17 36	1 48	10 53	2 24	25 27	2 18	15 35	2 19	16 16	1 24	22 34	1 9	24 7	0 23	21 4	1 6	3 49	13 54	13 27	13 5	9 27		n.a.
T 25	19 51	19 12	2 55	11 18	2 17	25 17	2 13	15 28	2 20	16 13	1 24	22 33	1 9	24 8	0 23	21 4	1 6	3 49	13 54	13 27	13 4	9 25		n.a.
F 26	20 5	19 41	3 53	11 45	2 10	25 7	2 8	15 20	2 22	16 11	1 23	22 32	1 9	24 8	0 23	21 5	1 6	3 48	13 55	13 26	13 3	9 23		n.a.
S 27	20 19	18 57	4 37	12 13	2 3	24 56	2 2	15 13	2 23	16 8	1 23	22 31	1 9	24 8	0 23	21 5	1 6	3 47	13 55	13 24	13 2	9 21		n.a.
S 28	20 32	17 2	5 5	12 41	1 56	24 45	1 57	15 6	2 24	16 6	1 23	22 30	1 9	24 8	0 23	21 5	1 6	3 47	13 55	13 23	13 1	9 19		n.a.
M29	20 45	14 4	5 14	13 11	1 49	24 33	1 51	14 58	2 26	16 3	1 23	22 29	1 9	24 8	0 23	21 6	1 6	3 46	13 55	13 22	13 0	9 17		n.a.
T 30	20s57	10s16	5n 3	13s41	1n41	24s21	1s44	14n51	2n27	16s 1	1s22	22s28	1s 9	24n 8	0n23	21s 6	1n 6	3n46	13n55	13s21	12s59	9n15		n.a.

Julian Day Number = 1545676.5, Delta T = 04h34m28s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'05, Lahiri = -10°36'04 Julian Calendar 1 Nov. 482 BCE == Greg. Calendar 27 Oct. 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 482 BCE
geocentric

DECEMBER 482 BCE (-481) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 14 2	3♐36'58	3♓59	12♏ 6	17♑57	27♌43	21♒ 3	25♑30	1°R46	9♐42	23♎20	4°D59	3♏50	23♌43	n.a.	W 1
T 2	4 17 59	4°38'14	18° 5	13°21	18°41	28° 7	21°11	25°35	1♋44	9°44	23°22	5♏ 0	3°47	23°50	n.a.	T 2
F 3	4 21 55	5°39'30	2♈ 3	14°39	19°24	28°30	21°19	25°41	1°41	9°47	23°24	5° 1	3°44	23°56	n.a.	F 3
S 4	4 25 52	6°40'45	15°53	15°57	20° 5	28°53	21°27	25°46	1°39	9°49	23°25	5° 3	3°40	24° 3	n.a.	S 4
S 5	4 29 48	7°41'59	29°34	17°17	20°46	29°15	21°35	25°52	1°37	9°51	23°27	5°R 4	3°37	24°10	n.a.	S 5
M 6	4 33 45	8°43'13	13♉ 4	18°39	21°25	29°37	21°44	25°58	1°34	9°54	23°29	5° 4	3°34	24°16	n.a.	M 6
T 7	4 37 41	9°44'27	26°24	20° 1	22° 3	29°59	21°52	26° 3	1°32	9°56	23°31	5° 2	3°31	24°23	n.a.	T 7
W 8	4 41 38	10°45'40	9♊31	21°24	22°40	0♍21	22° 1	26° 9	1°30	9°58	23°33	4°58	3°28	24°30	n.a.	W 8
T 9	4 45 35	11°46'53	22°24	22°48	23°15	0°42	22°10	26°15	1°27	10° 0	23°35	4°53	3°25	24°37	n.a.	T 9
F 10	4 49 31	12°48'06	5♋ 3	24°13	23°49	1° 3	22°19	26°21	1°25	10° 3	23°36	4°46	3°21	24°43	n.a.	F 10
S 11	4 53 28	13°49'18	17°28	25°39	24°21	1°23	22°28	26°27	1°22	10° 5	23°38	4°39	3°18	24°50	n.a.	S 11
S 12	4 57 24	14°50'30	29°41	27° 6	24°52	1°43	22°37	26°33	1°20	10° 7	23°40	4°31	3°15	24°57	n.a.	S 12
M13	5 1 21	15°51'41	11♌43	28°33	25°21	2° 3	22°47	26°39	1°17	10° 9	23°42	4°25	3°12	25° 3	n.a.	M13
T 14	5 5 17	16°52'52	23°37	0♐ 1	25°48	2°23	22°56	26°46	1°15	10°12	23°43	4°20	3° 9	25°10	n.a.	T 14
W15	5 9 14	17°54'03	5♍28	1°29	26°14	2°42	23° 6	26°52	1°12	10°14	23°45	4°17	3° 5	25°17	n.a.	W15
T 16	5 13 11	18°55'13	17°21	2°58	26°38	3° 0	23°16	26°58	1°10	10°16	23°46	4°D16	3° 2	25°24	n.a.	T 16
F 17	5 17 7	19°56'22	29°19	4°28	27° 0	3°18	23°26	27° 5	1° 7	10°18	23°48	4°17	2°59	25°30	n.a.	F 17
S 18	5 21 4	20°57'32	11♎29	5°58	27°20	3°36	23°36	27°11	1° 5	10°21	23°50	4°18	2°56	25°37	n.a.	S 18
S 19	5 25 0	21°58'40	23°55	7°29	27°38	3°54	23°46	27°17	1° 2	10°23	23°51	4°19	2°53	25°44	n.a.	S 19
M20	5 28 57	22°59'48	6♏41	9° 1	27°54	4°11	23°56	27°24	1° 0	10°25	23°53	4°R20	2°50	25°50	n.a.	M20
T 21	5 32 53	24° 0'56	19°52	10°33	28° 8	4°27	24° 6	27°31	0°57	10°27	23°54	4°18	2°46	25°57	n.a.	T 21
W22	5 36 50	25° 2'03	3♐28	12° 6	28°19	4°43	24°17	27°37	0°54	10°30	23°56	4°15	2°43	26° 4	n.a.	W22
T 23	5 40 46	26° 3'09	17°28	13°39	28°29	4°59	24°28	27°44	0°52	10°32	23°57	4° 9	2°40	26°11	n.a.	T 23
F 24	5 44 43	27° 4'14	1♑49	15°13	28°36	5°14	24°38	27°50	0°49	10°34	23°58	4° 1	2°37	26°17	n.a.	F 24
S 25	5 48 40	28° 5'18	16°25	16°48	28°41	5°28	24°49	27°57	0°47	10°36	24° 0	3°52	2°34	26°24	n.a.	S 25
S 26	5 52 36	29° 6'21	1♒ 8	18°23	28°R43	5°42	25° 0	28° 4	0°44	10°38	24° 1	3°43	2°31	26°31	n.a.	S 26
M27	5 56 33	0♑ 7'22	15°51	19°59	28°43	5°56	25°11	28°11	0°41	10°41	24° 2	3°35	2°27	26°37	n.a.	M27
T 28	6 0 29	1° 8'23	0♓26	21°35	28°40	6° 9	25°22	28°18	0°39	10°43	24° 3	3°29	2°24	26°44	n.a.	T 28
W29	6 4 26	2° 9'21	14°49	23°12	28°35	6°22	25°34	28°24	0°36	10°45	24° 5	3°26	2°21	26°51	n.a.	W29
T 30	6 8 22	3°10'19	28°56	24°50	28°27	6°34	25°45	28°31	0°33	10°47	24° 6	3°D24	2°18	26°58	n.a.	T 30
F 31	6 12 19	4♑11'14	12♈47	26♐29	28♑17	6♍45	25♒56	28♑38	0♋31	10♐49	24♎ 7	3♏24	2♏15	27♌ 4	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	21s 9	5s55	4n35	14s11	1n33	24s 9	1s38	14n44	2n28	15s58	1s22	22s27	1s 9	24n 8	0n23	21s 6	1n 6	3n45	13n56	13s21	12s58	9n13			n.a.
T 2	21 21	1 16	3 49	14 42	1 25	23 56	1 31	14 37	2 30	15 55	1 22	22 26	1 9	24 8	0 24	21 7	1 6	3 45	13 56	13 21	12 56	9 11			n.a.
F 3	21 32	3n26	2 51	15 12	1 18	23 43	1 24	14 30	2 31	15 52	1 22	22 25	1 9	24 8	0 24	21 7	1 6	3 44	13 56	13 22	12 55	9 10			n.a.
S 4	21 42	7 55	1 43	15 43	1 10	23 30	1 17	14 24	2 33	15 49	1 22	22 24	1 9	24 8	0 24	21 7	1 6	3 44	13 56	13 22	12 54	9 8			n.a.
S 5	21 53	11 56	0 30	16 14	1 2	23 16	1 9	14 17	2 34	15 46	1 21	22 23	1 9	24 8	0 24	21 8	1 6	3 44	13 57	13 23	12 53	9 6			n.a.
M 6	22 3	15 16	0s44	16 44	0 54	23 2	1 1	14 10	2 35	15 43	1 21	22 21	1 9	24 8	0 24	21 8	1 6	3 43	13 57	13 23	12 52	9 4			n.a.
T 7	22 12	17 45	1 54	17 14	0 46	22 48	0 53	14 4	2 37	15 40	1 21	22 20	1 9	24 8	0 24	21 8	1 6	3 43	13 57	13 22	12 51	9 2			n.a.
W 8	22 21	19 15	2 57	17 44	0 38	22 33	0 45	13 57	2 38	15 37	1 21	22 19	1 9	24 8	0 24	21 9	1 6	3 42	13 58	13 21	12 50	9 0			n.a.
T 9	22 30	19 43	3 49	18 14	0 30	22 19	0 36	13 51	2 40	15 34	1 21	22 18	1 9	24 8	0 24	21 9	1 6	3 42	13 58	13 19	12 49	8 58			n.a.
F 10	22 38	19 10	4 29	18 42	0 23	22 4	0 27	13 45	2 41	15 31	1 20	22 17	1 9	24 8	0 24	21 10	1 6	3 42	13 58	13 17	12 48	8 56			n.a.
S 11	22 45	17 42	4 56	19 11	0 15	21 49	0 17	13 39	2 43	15 28	1 20	22 16	1 9	24 8	0 24	21 10	1 6	3 41	13 58	13 14	12 47	8 54			n.a.
S 12	22 53	15 27	5 8	19 39	0 7	21 34	0 8	13 33	2 44	15 25	1 20	22 15	1 9	24 8	0 24	21 10	1 6	3 41	13 59	13 12	12 45	8 52			n.a.
M13	22 59	12 35	5 7	20 6	0 0	21 18	0n 2	13 27	2 46	15 21	1 20	22 13	1 9	24 8	0 24	21 11	1 6	3 41	13 59	13 10	12 44	8 50			n.a.
T 14	23 6	9 13	4 52	20 32	0s 7	21 3	0 13	13 21	2 47	15 18	1 20	22 12	1 9	24 8	0 24	21 11	1 6	3 40	13 59	13 8	12 43	8 48			n.a.
W15	23 12	5 31	4 25	20 58	0 14	20 48	0 24	13 16	2 49	15 15	1 19	22 11	1 9	24 8	0 24	21 11	1 6	3 40	14 0	13 7	12 42	8 46			n.a.
T 16	23 17	1 36	3 47	21 22	0 21	20 32	0 35	13 10	2 50	15 11	1 19	22 10	1 9	24 9	0 24	21 12	1 6	3 40	14 0	13 7	12 41	8 45			n.a.
F 17	23 22	2s26	2 58	21 46	0 28	20 17	0 46	13 5	2 52	15 8	1 19	22 8	1 9	24 9	0 24	21 12	1 6	3 39	14 0	13 7	12 40	8 43			n.a.
S 18	23 26	6 26	2 0	22 9	0 35	20 1	0 58	13 0	2 53	15 4	1 19	22 7	1 9	24 9	0 24	21 12	1 6	3 39	14 1	13 7	12 39	8 41			n.a.
S 19	23 30	10 16	0 56	22 31	0 41	19 46	1 10	12 55	2 55	15 0	1 19	22 6	1 9	24 9	0 24	21 13	1 6	3 39	14 1	13 8	12 38	8 39			n.a.
M20	23 34	13 43	0n13	22 53	0 48	19 31	1 22	12 50	2 56	14 57	1 18	22 5	1 9	24 9	0 24	21 13	1 6	3 39	14 1	13 8	12 37	8 37			n.a.
T 21	23 37	16 36	1 23	23 13	0 54	19 16	1 35	12 46	2 58	14 53	1 18	22 3	1 9	24 9	0 24	21 13	1 6	3 39	14 2	13 7	12 36	8 35			n.a.
W22	23 39	18 40	2 30	23 31	1 0	19 1	1 48	12 41	3 0	14 49	1 18	22 2	1 9	24 9	0 24	21 14	1 6	3 38	14 2	13 6	12 34	8 33			n.a.
T 23	23 41	19 40	3 30	23 49	1 6	18 46	2 1	12 37	3 1	14 46	1 18	22 1	1 9	24 9	0 24	21 14	1 6	3 38	14 2	13 4	12 33	8 31			n.a.
F 24	23 43	19 25	4 19	24 6	1 11	18 31	2 14	12 33	3 3	14 42	1 18	21 59	1 9	24 9	0 24	21 14	1 6	3 38	14 3	13 1	12 32	8 29			n.a.
S 25	23 44	17 54	4 51	24 21	1 16	18 17	2 28	12 29	3 5	14 38	1 18	21 58	1 9	24 9	0 24	21 14	1 6	3 38	14 3	12 58	12 31	8 27			n.a.
S 26	23 45	15 12	5 5	24 35	1 21	18 3	2 42	12 25	3 6	14 34	1 17	21 57	1 9	24 9	0 24	21 15	1 6	3 38	14 3	12 55	12 30	8 25			n.a.
M27	23 45	11 33	4 58	24 48	1 26	17 49	2 56	12 21	3 8	14 30	1 17	21 55	1 9	24 9	0 24	21 15	1 6	3 38	14 4	12 52	12 29	8 23			n.a.
T 28	23 45	7 13	4 32	24 59	1 31	17 35	3 11	12 18	3 10	14 26	1 17	21 54	1 9	24 9	0 24	21 15	1 6	3 38	14 4	12 50	12 28	8 21			n.a.
W29	23 44	2 32	3 50	25 9	1 35	17 22	3 25	12 15	3 11	14 22	1 17	21 52	1 9	24 9	0 24	21 16	1 6	3 37	14 4	12 49	12 27	8 19			n.a.
T 30	23 43	2n13	2 53	25 18	1 39	17 9	3 40	12 12	3 13	14 18	1 17	21 51	1 9	24 9	0 24	21 16	1 6	3 37	14 5	12 49	12 26	8 18			n.a.
F 31	23s41	6n46	1n48	25s25	1s43	16s57	3n54	12n 9	3n15	14s14	1s17	21s50	1s 9	24n 9	0n24	21s16	1n 6	3n37	14n 5	12s49	12s25	8n16			n.a.

Julian Day Number = 1545706.5, Delta T = 04h34m27s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°43'01, Lahiri = -10°36'00 Julian Calendar 1 Dec. 482 BCE == Greg. Calendar 26 Nov. 482 BCE

The year -481 astronomical counting style corresponds to year 482 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

JANUARY 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 16 15	5♑12'08	26♈22	28♐ 8	28°R 4	6♍56	26♒ 8	28♑45	0°R28	10♐51	24♎ 8	3°R25	2♏11	27♌11	n.a.	S 1
S 2	6 20 12	6°13'01	9♉42	29°48	27♑49	7° 6	26°20	28°52	0♋26	10°53	24° 9	3♏25	2° 8	27°18	n.a.	S 2
M 3	6 24 9	7°13'52	22°50	1♑28	27°31	7°16	26°31	28°59	0°23	10°56	24°10	3°23	2° 5	27°24	n.a.	M 3
T 4	6 28 5	8°14'42	5♊46	3°10	27°11	7°25	26°43	29° 6	0°20	10°58	24°11	3°19	2° 2	27°31	n.a.	T 4
W 5	6 32 2	9°15'30	18°31	4°52	26°48	7°34	26°55	29°13	0°18	11° 0	24°12	3°12	1°59	27°38	n.a.	W 5
T 6	6 35 58	10°16'17	1♋ 6	6°35	26°24	7°42	27° 7	29°20	0°15	11° 2	24°13	3° 2	1°56	27°45	n.a.	T 6
F 7	6 39 55	11°17'02	13°31	8°19	25°57	7°49	27°19	29°28	0°13	11° 4	24°14	2°50	1°52	27°51	n.a.	F 7
S 8	6 43 51	12°17'45	25°47	10° 3	25°28	7°56	27°31	29°35	0°10	11° 6	24°15	2°36	1°49	27°58	n.a.	S 8
S 9	6 47 48	13°18'28	7♌53	11°49	24°57	8° 2	27°44	29°42	0° 8	11° 8	24°16	2°23	1°46	28° 5	n.a.	S 9
M10	6 51 45	14°19'08	19°52	13°35	24°25	8° 8	27°56	29°49	0° 5	11°10	24°17	2°11	1°43	28°11	n.a.	M10
T 11	6 55 41	15°19'48	1♍44	15°22	23°51	8°13	28° 8	29°56	0° 3	11°12	24°17	2° 1	1°40	28°18	n.a.	T 11
W12	6 59 38	16°20'26	13°34	17° 9	23°16	8°17	28°21	0♒ 4	0° 0	11°14	24°18	1°53	1°37	28°25	n.a.	W12
T 13	7 3 34	17°21'02	25°25	18°58	22°39	8°20	28°33	0°11	29♊58	11°16	24°19	1°49	1°33	28°32	n.a.	T 13
F 14	7 7 31	18°21'37	7♎21	20°47	22° 3	8°23	28°46	0°18	29°55	11°18	24°20	1°47	1°30	28°38	n.a.	F 14
S 15	7 11 27	19°22'11	19°27	22°37	21°25	8°25	28°59	0°25	29°53	11°19	24°20	1°D46	1°27	28°45	n.a.	S 15
S 16	7 15 24	20°22'43	1♏49	24°28	20°48	8°26	29°11	0°33	29°50	11°21	24°21	1°R46	1°24	28°52	n.a.	S 16
M17	7 19 20	21°23'14	14°32	26°19	20°10	8°R27	29°24	0°40	29°48	11°23	24°21	1°46	1°21	28°58	n.a.	M17
T 18	7 23 17	22°23'44	27°40	28°10	19°33	8°26	29°37	0°47	29°46	11°25	24°22	1°44	1°17	29° 5	n.a.	T 18
W19	7 27 13	23°24'12	11♐17	0♒ 2	18°56	8°26	29°50	0°55	29°43	11°27	24°22	1°39	1°14	29°12	n.a.	W19
T 20	7 31 10	24°24'39	25°24	1°55	18°20	8°24	0♓ 3	1° 2	29°41	11°29	24°23	1°31	1°11	29°19	n.a.	T 20
F 21	7 35 7	25°25'04	9♑57	3°47	17°45	8°21	0°16	1° 9	29°39	11°30	24°23	1°21	1° 8	29°25	n.a.	F 21
S 22	7 39 3	26°25'27	24°51	5°40	17°11	8°18	0°29	1°17	29°36	11°32	24°24	1°10	1° 5	29°32	n.a.	S 22
S 23	7 43 0	27°25'48	9♒57	7°32	16°39	8°14	0°43	1°24	29°34	11°34	24°24	0°58	1° 2	29°39	n.a.	S 23
M24	7 46 56	28°26'08	25° 5	9°23	16° 8	8° 9	0°56	1°32	29°32	11°36	24°24	0°47	0°58	29°45	n.a.	M24
T 25	7 50 53	29°26'25	10♓ 4	11°14	15°40	8° 4	1° 9	1°39	29°30	11°37	24°25	0°39	0°55	29°52	n.a.	T 25
W26	7 54 49	0♒26'40	24°47	13° 4	15°13	7°57	1°23	1°46	29°28	11°39	24°25	0°33	0°52	29°59	n.a.	W26
T 27	7 58 46	1°26'53	9♈ 8	14°52	14°48	7°50	1°36	1°54	29°25	11°41	24°25	0°30	0°49	0♍ 5	n.a.	T 27
F 28	8 2 42	2°27'04	23° 5	16°38	14°25	7°42	1°50	2° 1	29°23	11°42	24°25	0°29	0°46	0°12	n.a.	F 28
S 29	8 6 39	3°27'13	6♉39	18°22	14° 4	7°34	2° 3	2° 9	29°21	11°44	24°26	0°29	0°43	0°19	n.a.	S 29
S 30	8 10 36	4°27'19	19°53	20° 2	13°46	7°24	2°17	2°16	29°19	11°45	24°26	0°29	0°39	0°26	n.a.	S 30
M31	8 14 32	5♒27'23	2♊49	21♒40	13♑30	7♍14	2♓30	2♒23	29♊17	11♐47	24♎26	0♏26	0♏36	0♍32	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s39	10n53	0n38	25s31	1s46	16s45	4n 9	12n 7	3n16	14s10	1s16	21s48	1s 9	24n 9	0n24	21s17	1n 6	3n37	14n 6	12s49	12s23	8n14		n.a.
S 2	23 36	14 23	0s34	25 34	1 49	16 33	4 24	12 4	3 18	14 6	1 16	21 47	1 9	24 9	0 24	21 17	1 6	3 37	14 6	12 49	12 22	8 12		n.a.
M 3	23 33	17 5	1 42	25 37	1 52	16 22	4 39	12 2	3 20	14 2	1 16	21 45	1 9	24 9	0 24	21 17	1 6	3 37	14 6	12 48	12 21	8 10		n.a.
T 4	23 29	18 52	2 43	25 37	1 55	16 12	4 53	12 0	3 21	13 57	1 16	21 44	1 9	24 9	0 24	21 17	1 6	3 37	14 7	12 47	12 20	8 8		n.a.
W 5	23 25	19 40	3 36	25 36	1 57	16 2	5 8	11 58	3 23	13 53	1 16	21 42	1 9	24 9	0 24	21 18	1 6	3 37	14 7	12 44	12 19	8 6		n.a.
T 6	23 21	19 28	4 17	25 33	1 58	15 53	5 22	11 57	3 25	13 49	1 16	21 41	1 9	24 9	0 24	21 18	1 6	3 37	14 8	12 41	12 18	8 4		n.a.
F 7	23 16	18 20	4 45	25 29	2 0	15 44	5 36	11 56	3 27	13 45	1 16	21 39	1 9	24 9	0 24	21 18	1 6	3 37	14 8	12 37	12 17	8 2		n.a.
S 8	23 10	16 22	4 59	25 22	2 1	15 36	5 50	11 55	3 28	13 40	1 15	21 38	1 9	24 9	0 24	21 19	1 6	3 37	14 8	12 32	12 16	8 0		n.a.
S 9	23 5	13 42	5 0	25 14	2 1	15 28	6 3	11 54	3 30	13 36	1 15	21 36	1 9	24 9	0 24	21 19	1 6	3 37	14 9	12 27	12 15	7 58		n.a.
M10	22 58	10 30	4 47	25 3	2 1	15 21	6 16	11 54	3 32	13 31	1 15	21 35	1 9	24 9	0 24	21 19	1 6	3 38	14 9	12 23	12 13	7 56		n.a.
T 11	22 51	6 55	4 22	24 51	2 1	15 15	6 28	11 53	3 34	13 27	1 15	21 33	1 9	24 9	0 24	21 19	1 6	3 38	14 10	12 20	12 12	7 54		n.a.
W12	22 44	3 4	3 46	24 37	2 0	15 9	6 39	11 53	3 35	13 22	1 15	21 32	1 9	24 9	0 24	21 20	1 6	3 38	14 10	12 17	12 11	7 52		n.a.
T 13	22 37	0s54	3 0	24 21	1 58	15 4	6 50	11 54	3 37	13 18	1 15	21 30	1 9	24 9	0 24	21 20	1 6	3 38	14 10	12 16	12 10	7 50		n.a.
F 14	22 28	4 52	2 6	24 2	1 56	15 0	7 1	11 54	3 39	13 13	1 15	21 29	1 9	24 9	0 24	21 20	1 6	3 38	14 11	12 15	12 9	7 48		n.a.
S 15	22 20	8 42	1 5	23 42	1 54	14 56	7 10	11 55	3 40	13 9	1 15	21 27	1 9	24 9	0 24	21 20	1 6	3 38	14 11	12 15	12 8	7 46		n.a.
S 16	22 11	12 15	0n 0	23 20	1 51	14 54	7 19	11 56	3 42	13 4	1 15	21 26	1 10	24 9	0 24	21 21	1 6	3 38	14 12	12 15	12 7	7 45		n.a.
M17	22 2	15 20	1 7	22 55	1 47	14 51	7 26	11 58	3 44	12 59	1 14	21 24	1 10	24 9	0 24	21 21	1 6	3 39	14 12	12 14	12 6	7 43		n.a.
T 18	21 52	17 45	2 12	22 29	1 43	14 50	7 33	11 59	3 46	12 55	1 14	21 22	1 10	24 9	0 24	21 21	1 6	3 39	14 13	12 14	12 4	7 41		n.a.
W19	21 42	19 15	3 13	22 0	1 38	14 49	7 39	12 1	3 47	12 50	1 14	21 21	1 10	24 9	0 24	21 21	1 6	3 39	14 13	12 12	12 3	7 39		n.a.
T 20	21 31	19 37	4 3	21 30	1 33	14 48	7 44	12 3	3 49	12 45	1 14	21 19	1 10	24 9	0 24	21 22	1 6	3 39	14 13	12 9	12 2	7 37		n.a.
F 21	21 20	18 43	4 40	20 57	1 27	14 49	7 49	12 6	3 51	12 40	1 14	21 18	1 10	24 9	0 24	21 22	1 6	3 39	14 14	12 6	12 1	7 35		n.a.
S 22	21 9	16 33	4 58	20 23	1 20	14 50	7 52	12 8	3 52	12 36	1 14	21 16	1 10	24 9	0 24	21 22	1 6	3 40	14 14	12 2	12 0	7 33		n.a.
S 23	20 57	13 13	4 57	19 47	1 12	14 51	7 54	12 11	3 54	12 31	1 14	21 15	1 10	24 9	0 24	21 22	1 6	3 40	14 15	11 58	11 59	7 31		n.a.
M24	20 45	9 2	4 34	19 10	1 4	14 53	7 56	12 15	3 55	12 26	1 14	21 13	1 10	24 9	0 24	21 23	1 6	3 40	14 15	11 54	11 58	7 29		n.a.
T 25	20 32	4 18	3 53	18 31	0 55	14 56	7 56	12 18	3 57	12 21	1 14	21 11	1 10	24 9	0 24	21 23	1 6	3 40	14 15	11 51	11 57	7 27		n.a.
W26	20 19	0n36	2 57	17 50	0 45	14 59	7 56	12 22	3 58	12 16	1 13	21 10	1 10	24 9	0 24	21 23	1 6	3 41	14 16	11 49	11 56	7 25		n.a.
T 27	20 6	5 21	1 50	17 9	0 35	15 3	7 55	12 26	4 0	12 11	1 13	21 8	1 10	24 9	0 24	21 23	1 6	3 41	14 16	11 48	11 54	7 23		n.a.
F 28	19 52	9 41	0 39	16 26	0 24	15 7	7 54	12 31	4 1	12 6	1 13	21 6	1 10	24 9	0 24	21 23	1 6	3 41	14 17	11 47	11 53	7 21		n.a.
S 29	19 38	13 24	0s33	15 43	0 12	15 11	7 51	12 35	4 3	12 1	1 13	21 5	1 10	24 9	0 24	21 24	1 6	3 42	14 17	11 47	11 52	7 19		n.a.
S 30	19 24	16 19	1 41	15 0	0n 0	15 16	7 48	12 40	4 4	11 56	1 13	21 3	1 10	24 9	0 24	21 24	1 6	3 42	14 18	11 47	11 51	7 17		n.a.
M31	19s 9	18n21	2s42	14s16	0n13	15s21	7n45	12n45	4n 5	11s51	1s13	21s 2	1s10	24n 9	0n24	21s24	1n 6	3n42	14n18	11s46	11s50	7n15		n.a.

Julian Day Number = 1545737.5, Delta T = 04h34m26s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'57, Lahiri = -10°35'56 Julian Calendar 1 Jan. 481 BCE == Greg. Calendar 27 Dec. 482 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

FEBRUARY 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 18 29	6♒27'25	15♊30	23♒13	13°R17	7°R 3	2♓44	2♒31	29°R15	11♐48	24♎26	0°R22	0♏33	0♍39	n.a.	T 1
W 2	8 22 25	7°27'25	27°59	24°42	13♉ 6	6♍51	2°58	2°38	29♊14	11°50	24°R26	0♏14	0°30	0°46	n.a.	W 2
T 3	8 26 22	8°27'22	10♋18	26° 5	12°58	6°39	3°11	2°45	29°12	11°51	24°26	0° 3	0°27	0°52	n.a.	T 3
F 4	8 30 18	9°27'17	22°29	27°23	12°52	6°26	3°25	2°53	29°10	11°53	24°26	29♎50	0°23	0°59	n.a.	F 4
S 5	8 34 15	10°27'10	4♌34	28°35	12°49	6°12	3°39	3° 0	29° 8	11°54	24°26	29°36	0°20	1° 6	n.a.	S 5
S 6	8 38 11	11°27'01	16°32	29°40	12°D48	5°57	3°53	3° 7	29° 6	11°56	24°25	29°22	0°17	1°13	n.a.	S 6
M 7	8 42 8	12°26'50	28°27	0♓38	12°49	5°42	4° 7	3°15	29° 5	11°57	24°25	29° 9	0°14	1°19	n.a.	M 7
T 8	8 46 5	13°26'37	10♍17	1°28	12°53	5°26	4°21	3°22	29° 3	11°58	24°25	28°58	0°11	1°26	n.a.	T 8
W 9	8 50 1	14°26'22	22° 7	2°11	12°59	5° 9	4°35	3°29	29° 1	12° 0	24°25	28°50	0° 8	1°33	n.a.	W 9
T 10	8 53 58	15°26'05	3♎59	2°45	13° 8	4°52	4°49	3°37	29° 0	12° 1	24°25	28°44	0° 4	1°39	n.a.	T 10
F 11	8 57 54	16°25'46	15°55	3°11	13°18	4°34	5° 3	3°44	28°58	12° 2	24°24	28°42	0° 1	1°46	n.a.	F 11
S 12	9 1 51	17°25'25	28° 1	3°29	13°31	4°15	5°17	3°51	28°57	12° 3	24°24	28°D41	29♎58	1°53	n.a.	S 12
S 13	9 5 47	18°25'03	10♏20	3°38	13°46	3°56	5°31	3°59	28°55	12° 4	24°24	28°41	29°55	1°59	n.a.	S 13
M14	9 9 44	19°24'38	22°59	3°R38	14° 3	3°36	5°45	4° 6	28°54	12° 6	24°23	28°R41	29°52	2° 6	n.a.	M14
T 15	9 13 40	20°24'12	6♐ 2	3°31	14°22	3°16	5°59	4°13	28°52	12° 7	24°23	28°40	29°49	2°13	n.a.	T 15
W16	9 17 37	21°23'44	19°33	3°15	14°43	2°56	6°13	4°20	28°51	12° 8	24°22	28°37	29°45	2°20	n.a.	W16
T 17	9 21 34	22°23'14	3♑33	2°52	15° 5	2°34	6°28	4°27	28°50	12° 9	24°22	28°31	29°42	2°26	n.a.	T 17
F 18	9 25 30	23°22'42	18° 3	2°23	15°29	2°13	6°42	4°35	28°49	12°10	24°21	28°24	29°39	2°33	n.a.	F 18
S 19	9 29 27	24°22'08	2♒58	1°47	15°56	1°51	6°56	4°42	28°48	12°11	24°21	28°14	29°36	2°40	n.a.	S 19
S 20	9 33 23	25°21'32	18° 9	1° 7	16°23	1°29	7°10	4°49	28°46	12°12	24°20	28° 5	29°33	2°46	n.a.	S 20
M21	9 37 20	26°20'54	3♓28	0°22	16°52	1° 6	7°25	4°56	28°45	12°13	24°19	27°56	29°29	2°53	n.a.	M21
T 22	9 41 16	27°20'14	18°42	29♒33	17°23	0°44	7°39	5° 3	28°44	12°14	24°19	27°48	29°26	3° 0	n.a.	T 22
W23	9 45 13	28°19'31	3♈41	28°43	17°55	0°21	7°53	5°10	28°43	12°15	24°18	27°44	29°23	3° 6	n.a.	W23
T 24	9 49 9	29°18'46	18°18	27°51	18°29	29♌58	8° 8	5°17	28°42	12°15	24°17	27°42	29°20	3°13	n.a.	T 24
F 25	9 53 6	0♓17'59	2♉28	26°59	19° 4	29°35	8°22	5°24	28°42	12°16	24°16	27°D41	29°17	3°20	n.a.	F 25
S 26	9 57 2	1°17'09	16°12	26° 8	19°40	29°12	8°36	5°31	28°41	12°17	24°16	27°42	29°14	3°27	n.a.	S 26
S 27	10 0 59	2°16'17	29°30	25°19	20°17	28°48	8°51	5°38	28°40	12°18	24°15	27°R43	29°10	3°33	n.a.	S 27
M28	10 4 56	3°15'23	12♊25	24°33	20°56	28°25	9° 5	5°45	28°39	12°19	24°14	27°42	29° 7	3°40	n.a.	M28
T 29	10 8 52	4♓14'26	25♊ 2	23♒50	21♉35	28♌ 2	9♓20	5♒51	28♊39	12♐19	24♎13	27♎40	29♎ 4	3♍47	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s54	19n24	3s34	13s33	0n26	15s27	7n40	12n50	4n 6	11s46	1s13	21s 0	1s11	24n 9	0n24	21s24	1n 6	3n43	14n18	11s45	11s49	7n13		n.a.
W 2	18 39	19 30	4 14	12 50	0 40	15 32	7 35	12 56	4 8	11 41	1 13	20 58	1 11	24 9	0 24	21 24	1 6	3 43	14 19	11 42	11 48	7 11		n.a.
T 3	18 23	18 39	4 43	12 8	0 54	15 39	7 30	13 2	4 9	11 36	1 13	20 57	1 11	24 9	0 24	21 24	1 6	3 44	14 19	11 38	11 47	7 9		n.a.
F 4	18 7	16 57	4 58	11 28	1 8	15 45	7 24	13 8	4 10	11 31	1 13	20 55	1 11	24 9	0 24	21 25	1 6	3 44	14 20	11 34	11 45	7 8		n.a.
S 5	17 51	14 32	4 59	10 50	1 23	15 51	7 18	13 14	4 11	11 25	1 13	20 53	1 11	24 9	0 24	21 25	1 6	3 44	14 20	11 29	11 44	7 6		n.a.
S 6	17 34	11 31	4 47	10 13	1 37	15 58	7 12	13 20	4 12	11 20	1 13	20 52	1 11	24 9	0 24	21 25	1 6	3 45	14 20	11 24	11 43	7 4		n.a.
M 7	17 17	8 4	4 22	9 39	1 52	16 5	7 5	13 27	4 13	11 15	1 13	20 50	1 11	24 9	0 24	21 25	1 6	3 45	14 21	11 19	11 42	7 2		n.a.
T 8	17 0	4 19	3 47	9 8	2 6	16 11	6 58	13 34	4 14	11 10	1 13	20 48	1 11	24 9	0 24	21 25	1 6	3 46	14 21	11 15	11 41	7 0		n.a.
W 9	16 43	0 24	3 1	8 40	2 20	16 18	6 50	13 41	4 14	11 5	1 12	20 47	1 11	24 9	0 24	21 25	1 6	3 46	14 22	11 12	11 40	6 58		n.a.
T 10	16 25	3s32	2 7	8 15	2 33	16 25	6 42	13 48	4 15	10 59	1 12	20 45	1 11	24 9	0 24	21 26	1 6	3 47	14 22	11 10	11 39	6 56		n.a.
F 11	16 7	7 22	1 7	7 54	2 46	16 32	6 35	13 55	4 16	10 54	1 12	20 43	1 11	24 9	0 24	21 26	1 7	3 47	14 22	11 9	11 38	6 54		n.a.
S 12	15 49	10 58	0 4	7 37	2 57	16 39	6 26	14 2	4 16	10 49	1 12	20 42	1 11	24 9	0 24	21 26	1 7	3 48	14 23	11 9	11 36	6 52		n.a.
S 13	15 30	14 8	1n 2	7 23	3 8	16 45	6 18	14 10	4 16	10 44	1 12	20 40	1 12	24 9	0 24	21 26	1 7	3 48	14 23	11 9	11 35	6 50		n.a.
M14	15 12	16 44	2 6	7 14	3 18	16 52	6 10	14 17	4 17	10 38	1 12	20 39	1 12	24 9	0 24	21 26	1 7	3 49	14 24	11 9	11 34	6 48		n.a.
T 15	14 53	18 34	3 5	7 9	3 26	16 59	6 1	14 25	4 17	10 33	1 12	20 37	1 12	24 9	0 24	21 26	1 7	3 49	14 24	11 8	11 33	6 46		n.a.
W16	14 33	19 24	3 56	7 8	3 33	17 5	5 53	14 33	4 17	10 28	1 12	20 35	1 12	24 9	0 24	21 26	1 7	3 50	14 24	11 7	11 32	6 44		n.a.
T 17	14 14	19 7	4 35	7 11	3 38	17 11	5 44	14 41	4 17	10 22	1 12	20 34	1 12	24 9	0 24	21 26	1 7	3 50	14 25	11 5	11 31	6 42		n.a.
F 18	13 54	17 35	4 59	7 19	3 42	17 17	5 35	14 48	4 17	10 17	1 12	20 32	1 12	24 9	0 24	21 27	1 7	3 51	14 25	11 3	11 30	6 40		n.a.
S 19	13 34	14 51	5 2	7 29	3 44	17 23	5 27	14 56	4 17	10 11	1 12	20 30	1 12	24 9	0 24	21 27	1 7	3 51	14 26	10 59	11 28	6 38		n.a.
S 20	13 14	11 4	4 45	7 44	3 44	17 28	5 18	15 4	4 17	10 6	1 12	20 29	1 12	24 9	0 24	21 27	1 7	3 52	14 26	10 56	11 27	6 36		n.a.
M21	12 54	6 31	4 8	8 2	3 42	17 34	5 9	15 12	4 16	10 1	1 12	20 27	1 12	24 9	0 24	21 27	1 7	3 52	14 26	10 52	11 26	6 34		n.a.
T 22	12 33	1 35	3 13	8 22	3 39	17 39	5 0	15 20	4 16	9 55	1 12	20 25	1 12	24 9	0 24	21 27	1 7	3 53	14 27	10 50	11 25	6 32		n.a.
W23	12 13	3n23	2 5	8 45	3 33	17 43	4 51	15 28	4 15	9 50	1 12	20 24	1 13	24 9	0 24	21 27	1 7	3 54	14 27	10 48	11 24	6 30		n.a.
T 24	11 52	8 2	0 50	9 9	3 26	17 48	4 43	15 35	4 14	9 44	1 12	20 22	1 13	24 8	0 24	21 27	1 7	3 54	14 27	10 47	11 23	6 28		n.a.
F 25	11 31	12 5	0s26	9 35	3 17	17 52	4 34	15 43	4 13	9 39	1 12	20 21	1 13	24 8	0 24	21 27	1 7	3 55	14 28	10 47	11 22	6 26		n.a.
S 26	11 9	15 21	1 38	10 2	3 7	17 55	4 25	15 50	4 13	9 33	1 12	20 19	1 13	24 8	0 24	21 27	1 7	3 55	14 28	10 47	11 20	6 25		n.a.
S 27	10 48	17 40	2 42	10 30	2 56	17 58	4 16	15 58	4 11	9 28	1 12	20 17	1 13	24 8	0 24	21 27	1 7	3 56	14 28	10 48	11 19	6 23		n.a.
M28	10 27	19 0	3 36	10 57	2 43	18 1	4 8	16 5	4 10	9 22	1 12	20 16	1 13	24 8	0 24	21 27	1 7	3 57	14 29	10 48	11 18	6 21		n.a.
T 29	10s 5	19n21	4s19	11s24	2n29	18s 4	3n59	16n12	4n 9	9s17	1s12	20s14	1s13	24n 8	0n24	21s28	1n 7	3n57	14n29	10s47	11s17	6n19		n.a.

Julian Day Number = 1545768.5, Delta T = 04h34m25s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'52, Lahiri = -10°35'52 Julian Calendar 1 Feb. 481 BCE == Greg. Calendar 27 Jan. 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

MARCH 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 12 49	5♓13'26	7♋23	23°R12	22♉16	27°R39	9♓34	5♒58	28°R38	12♐20	24°R12	27°R36	29♎ 1	3♍53	n.a.	W 1
T 2	10 16 45	6°12'24	19°34	22♒38	22°58	27♌17	9°48	6° 5	28♊37	12°20	24♎11	27♎29	28°58	4° 0	n.a.	T 2
F 3	10 20 42	7°11'20	1♌36	22° 9	23°41	26°54	10° 3	6°12	28°37	12°21	24°10	27°21	28°54	4° 7	n.a.	F 3
S 4	10 24 38	8°10'14	13°32	21°45	24°24	26°32	10°17	6°18	28°37	12°22	24° 9	27°11	28°51	4°13	n.a.	S 4
S 5	10 28 35	9° 9'05	25°25	21°26	25° 9	26°10	10°32	6°25	28°36	12°22	24° 8	27° 2	28°48	4°20	n.a.	S 5
M 6	10 32 31	10° 7'54	7♍16	21°13	25°55	25°48	10°46	6°32	28°36	12°23	24° 7	26°53	28°45	4°27	n.a.	M 6
T 7	10 36 28	11° 6'41	19° 7	21° 6	26°41	25°27	11° 0	6°38	28°35	12°23	24° 6	26°46	28°42	4°34	n.a.	T 7
W 8	10 40 24	12° 5'26	1♎ 0	21°D 4	27°29	25° 6	11°15	6°45	28°35	12°24	24° 5	26°41	28°39	4°40	n.a.	W 8
T 9	10 44 21	13° 4'09	12°56	21° 7	28°17	24°46	11°29	6°51	28°35	12°24	24° 4	26°37	28°35	4°47	n.a.	T 9
F 10	10 48 18	14° 2'50	24°58	21°15	29° 6	24°26	11°44	6°58	28°35	12°24	24° 3	26°D36	28°32	4°54	n.a.	F 10
S 11	10 52 14	15° 1'29	7♏10	21°29	29°55	24° 6	11°58	7° 4	28°35	12°25	24° 2	26°37	28°29	5° 0	n.a.	S 11
S 12	10 56 11	16° 0'06	19°34	21°47	0♒45	23°48	12°12	7°10	28°D35	12°25	24° 0	26°38	28°26	5° 7	n.a.	S 12
M13	11 0 7	16°58'42	2♐15	22°10	1°37	23°29	12°27	7°17	28°35	12°25	23°59	26°40	28°23	5°14	n.a.	M13
T 14	11 4 4	17°57'15	15°16	22°38	2°28	23°12	12°41	7°23	28°35	12°25	23°58	26°R41	28°20	5°20	n.a.	T 14
W15	11 8 0	18°55'48	28°41	23°10	3°20	22°55	12°55	7°29	28°35	12°26	23°57	26°40	28°16	5°27	n.a.	W15
T 16	11 11 57	19°54'18	12♑32	23°46	4°13	22°38	13°10	7°35	28°35	12°26	23°55	26°38	28°13	5°34	n.a.	T 16
F 17	11 15 53	20°52'46	26°49	24°25	5° 7	22°23	13°24	7°41	28°35	12°26	23°54	26°35	28°10	5°40	n.a.	F 17
S 18	11 19 50	21°51'13	11♒31	25° 9	6° 1	22° 8	13°38	7°47	28°36	12°26	23°53	26°30	28° 7	5°47	n.a.	S 18
S 19	11 23 47	22°49'38	26°31	25°56	6°56	21°53	13°53	7°53	28°36	12°26	23°52	26°25	28° 4	5°54	n.a.	S 19
M20	11 27 43	23°48'02	11♓42	26°46	7°51	21°40	14° 7	7°59	28°37	12°R26	23°50	26°21	28° 0	6° 1	n.a.	M20
T 21	11 31 40	24°46'23	26°53	27°40	8°46	21°27	14°21	8° 5	28°37	12°26	23°49	26°17	27°57	6° 7	n.a.	T 21
W22	11 35 36	25°44'42	11♈55	28°37	9°42	21°15	14°36	8°11	28°37	12°26	23°47	26°15	27°54	6°14	n.a.	W22
T 23	11 39 33	26°43'00	26°39	29°36	10°39	21° 4	14°50	8°17	28°38	12°26	23°46	26°D14	27°51	6°21	n.a.	T 23
F 24	11 43 29	27°41'15	10♉59	0♓39	11°36	20°53	15° 4	8°22	28°39	12°26	23°45	26°15	27°48	6°27	n.a.	F 24
S 25	11 47 26	28°39'28	24°53	1°44	12°33	20°44	15°18	8°28	28°39	12°26	23°43	26°16	27°45	6°34	n.a.	S 25
S 26	11 51 22	29°37'40	8♊19	2°52	13°31	20°35	15°32	8°33	28°40	12°25	23°42	26°18	27°41	6°41	n.a.	S 26
M27	11 55 19	0♈35'49	21°21	4° 3	14°29	20°27	15°47	8°39	28°41	12°25	23°40	26°19	27°38	6°47	n.a.	M27
T 28	11 59 15	1°33'56	4♋ 0	5°15	15°28	20°20	16° 1	8°44	28°42	12°25	23°39	26°R19	27°35	6°54	n.a.	T 28
W29	12 3 12	2°32'01	16°22	6°31	16°27	20°13	16°15	8°50	28°43	12°25	23°37	26°18	27°32	7° 1	n.a.	W29
T 30	12 7 9	3°30'04	28°30	7°48	17°26	20° 7	16°29	8°55	28°43	12°24	23°36	26°17	27°29	7° 7	n.a.	T 30
F 31	12 11 5	4♈28'04	10♌29	9♓ 8	18♒26	20♌ 3	16♓43	9♒ 0	28♊44	12♐24	23♎34	26♎14	27♎26	7♍14	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	9s43	18n45	4s48	11s50	2n15	18s 6	3n50	16n19	4n 8	9s11	1s12	20s13	1s13	24n 8	0n24	21s28	1n 7	3n58	14n29	10s45	11s16	6n17			n.a.
T 2	9 21	17 18	5 4	12 16	2 0	18 7	3 42	16 25	4 6	9 6	1 12	20 11	1 14	24 8	0 24	21 28	1 7	3 58	14 30	10 43	11 15	6 15			n.a.
F 3	8 59	15 6	5 6	12 40	1 45	18 9	3 33	16 32	4 5	9 0	1 12	20 9	1 14	24 8	0 24	21 28	1 7	3 59	14 30	10 40	11 14	6 13			n.a.
S 4	8 37	12 17	4 54	13 2	1 29	18 9	3 25	16 38	4 3	8 55	1 12	20 8	1 14	24 8	0 24	21 28	1 7	4 0	14 30	10 36	11 12	6 11			n.a.
S 5	8 14	8 59	4 30	13 22	1 14	18 10	3 17	16 44	4 1	8 49	1 12	20 6	1 14	24 8	0 24	21 28	1 7	4 0	14 31	10 33	11 11	6 9			n.a.
M 6	7 52	5 20	3 54	13 41	0 59	18 9	3 8	16 50	4 0	8 44	1 12	20 5	1 14	24 8	0 24	21 28	1 7	4 1	14 31	10 30	11 10	6 7			n.a.
T 7	7 30	1 28	3 8	13 58	0 43	18 9	3 0	16 55	3 58	8 38	1 12	20 3	1 14	24 8	0 24	21 28	1 7	4 2	14 31	10 27	11 9	6 5			n.a.
W 8	7 7	2s27	2 14	14 13	0 28	18 7	2 52	17 1	3 56	8 33	1 12	20 2	1 14	24 8	0 24	21 28	1 7	4 2	14 31	10 25	11 8	6 3			n.a.
T 9	6 44	6 18	1 13	14 26	0 14	18 6	2 44	17 6	3 54	8 27	1 12	20 0	1 14	24 8	0 24	21 28	1 7	4 3	14 32	10 24	11 7	6 1			n.a.
F 10	6 21	9 56	0 9	14 36	0s 0	18 4	2 36	17 11	3 52	8 22	1 12	19 59	1 15	24 8	0 24	21 28	1 7	4 4	14 32	10 24	11 6	5 59			n.a.
S 11	5 58	13 11	0n57	14 45	0 14	18 1	2 28	17 15	3 49	8 16	1 12	19 57	1 15	24 8	0 24	21 28	1 7	4 4	14 32	10 24	11 4	5 57			n.a.
S 12	5 35	15 54	2 2	14 51	0 27	17 58	2 21	17 20	3 47	8 11	1 12	19 56	1 15	24 8	0 24	21 28	1 7	4 5	14 32	10 24	11 3	5 55			n.a.
M13	5 12	17 55	3 2	14 56	0 40	17 54	2 13	17 24	3 45	8 5	1 12	19 54	1 15	24 8	0 24	21 28	1 7	4 6	14 33	10 25	11 2	5 53			n.a.
T 14	4 49	19 3	3 54	14 58	0 52	17 50	2 5	17 27	3 42	7 59	1 12	19 53	1 15	24 8	0 24	21 28	1 7	4 6	14 33	10 25	11 1	5 51			n.a.
W15	4 26	19 9	4 35	14 58	1 3	17 45	1 58	17 31	3 40	7 54	1 12	19 51	1 15	24 8	0 24	21 28	1 7	4 7	14 33	10 25	11 0	5 49			n.a.
T 16	4 3	18 8	5 2	14 56	1 14	17 40	1 51	17 34	3 37	7 48	1 12	19 50	1 15	24 8	0 24	21 28	1 7	4 8	14 33	10 24	10 59	5 47			n.a.
F 17	3 40	15 58	5 12	14 52	1 24	17 34	1 43	17 37	3 35	7 43	1 12	19 48	1 16	24 8	0 24	21 28	1 7	4 8	14 34	10 23	10 58	5 45			n.a.
S 18	3 16	12 44	5 1	14 46	1 34	17 28	1 36	17 39	3 32	7 37	1 12	19 47	1 16	24 8	0 24	21 28	1 7	4 9	14 34	10 21	10 56	5 43			n.a.
S 19	2 53	8 37	4 30	14 39	1 43	17 21	1 29	17 41	3 30	7 32	1 12	19 45	1 16	24 8	0 24	21 28	1 8	4 10	14 34	10 19	10 55	5 41			n.a.
M20	2 30	3 53	3 40	14 29	1 51	17 13	1 22	17 43	3 27	7 26	1 12	19 44	1 16	24 8	0 24	21 28	1 8	4 10	14 34	10 18	10 54	5 39			n.a.
T 21	2 6	1n 5	2 34	14 17	1 58	17 5	1 15	17 45	3 24	7 21	1 12	19 43	1 16	24 8	0 24	21 28	1 8	4 11	14 34	10 16	10 53	5 37			n.a.
W22	1 43	5 58	1 18	14 4	2 5	16 57	1 9	17 46	3 21	7 15	1 12	19 41	1 16	24 8	0 23	21 28	1 8	4 12	14 35	10 16	10 52	5 35			n.a.
T 23	1 19	10 22	0s 2	13 49	2 12	16 48	1 2	17 48	3 19	7 9	1 12	19 40	1 17	24 8	0 23	21 28	1 8	4 12	14 35	10 15	10 51	5 34			n.a.
F 24	0 56	14 3	1 20	13 32	2 18	16 38	0 56	17 48	3 16	7 4	1 12	19 38	1 17	24 8	0 23	21 28	1 8	4 13	14 35	10 16	10 50	5 32			n.a.
S 25	0 32	16 48	2 31	13 13	2 23	16 28	0 49	17 49	3 13	6 58	1 12	19 37	1 17	24 8	0 23	21 28	1 8	4 14	14 35	10 16	10 48	5 30			n.a.
S 26	0 9	18 31	3 31	12 52	2 27	16 18	0 43	17 49	3 10	6 53	1 12	19 36	1 17	24 8	0 23	21 28	1 8	4 14	14 35	10 17	10 47	5 28			n.a.
M27	0n14	19 10	4 18	12 30	2 31	16 7	0 37	17 49	3 7	6 47	1 12	19 34	1 17	24 8	0 23	21 28	1 8	4 15	14 35	10 17	10 46	5 26			n.a.
T 28	0 38	18 50	4 51	12 6	2 34	15 55	0 31	17 49	3 5	6 42	1 12	19 33	1 17	24 8	0 23	21 28	1 8	4 16	14 35	10 17	10 45	5 24			n.a.
W29	1 1	17 36	5 10	11 40	2 37	15 43	0 25	17 48	3 2	6 36	1 12	19 32	1 18	24 8	0 23	21 28	1 8	4 16	14 36	10 17	10 44	5 22			n.a.
T 30	1 25	15 36	5 14	11 12	2 39	15 31	0 19	17 47	2 59	6 31	1 13	19 31	1 18	24 8	0 23	21 27	1 8	4 17	14 36	10 16	10 43	5 20			n.a.
F 31	1n48	12n57	5s 5	10s43	2s41	15s18	0n13	17n46	2n56	6s25	1s13	19s29	1s18	24n 8	0n23	21s27	1n 8	4n17	14n36	10s15	10s41	5n18			n.a.

Julian Day Number = 1545797.5, Delta T = 04h34m23s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'48, Lahiri = -10°35'48 Julian Calendar 1 March 481 BCE == Greg. Calendar 25 Feb. 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

APRIL 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 15 2	5♈26'03	22♌21	10♓30	19♒26	19°R59	16♓57	9♒ 6	28♊46	12°R24	23°R32	26°R11	27♎22	7♍21	n.a.	S 1
S 2	12 18 58	6°24'00	4♍12	11°54	20°26	19♌55	17°11	9°11	28°47	12♐23	23♎31	26♎ 7	27°19	7°28	n.a.	S 2
M 3	12 22 55	7°21'55	16° 3	13°20	21°27	19°53	17°25	9°16	28°48	12°23	23°29	26° 4	27°16	7°34	n.a.	M 3
T 4	12 26 51	8°19'49	27°56	14°49	22°28	19°51	17°39	9°21	28°49	12°23	23°28	26° 2	27°13	7°41	n.a.	T 4
W 5	12 30 48	9°17'40	9♎55	16°19	23°29	19°51	17°53	9°26	28°50	12°22	23°26	26° 1	27°10	7°48	n.a.	W 5
T 6	12 34 44	10°15'30	22° 0	17°52	24°30	19°D50	18° 6	9°30	28°51	12°22	23°25	26°D 0	27° 6	7°54	n.a.	T 6
F 7	12 38 41	11°13'19	4♏14	19°26	25°32	19°51	18°20	9°35	28°53	12°21	23°23	26° 0	27° 3	8° 1	n.a.	F 7
S 8	12 42 38	12°11'06	16°38	21° 3	26°34	19°53	18°34	9°40	28°54	12°20	23°21	26° 1	27° 0	8° 8	n.a.	S 8
S 9	12 46 34	13° 8'51	29°15	22°42	27°37	19°55	18°48	9°44	28°56	12°20	23°20	26° 2	26°57	8°14	n.a.	S 9
M10	12 50 31	14° 6'36	12♐ 7	24°22	28°39	19°58	19° 1	9°49	28°57	12°19	23°18	26° 3	26°54	8°21	n.a.	M10
T 11	12 54 27	15° 4'19	25°15	26° 5	29°42	20° 1	19°15	9°53	28°59	12°19	23°16	26° 4	26°51	8°28	n.a.	T 11
W12	12 58 24	16° 2'01	8♑42	27°50	0♓45	20° 6	19°29	9°58	29° 0	12°18	23°15	26° 4	26°47	8°34	n.a.	W12
T 13	13 2 20	16°59'42	22°28	29°37	1°49	20°11	19°42	10° 2	29° 2	12°17	23°13	26°R 4	26°44	8°41	n.a.	T 13
F 14	13 6 17	17°57'21	6♒34	1♈25	2°52	20°16	19°56	10° 6	29° 4	12°16	23°11	26° 4	26°41	8°48	n.a.	F 14
S 15	13 10 13	18°55'00	20°59	3°16	3°56	20°23	20° 9	10°11	29° 5	12°16	23°10	26° 3	26°38	8°55	n.a.	S 15
S 16	13 14 10	19°52'37	5♓39	5° 9	5° 0	20°30	20°23	10°15	29° 7	12°15	23° 8	26° 3	26°35	9° 1	n.a.	S 16
M17	13 18 7	20°50'13	20°29	7° 4	6° 4	20°38	20°36	10°19	29° 9	12°14	23° 7	26° 2	26°31	9° 8	n.a.	M17
T 18	13 22 3	21°47'48	5♈22	9° 1	7° 9	20°46	20°49	10°23	29°11	12°13	23° 5	26° 2	26°28	9°15	n.a.	T 18
W19	13 26 0	22°45'22	20°11	10°59	8°13	20°55	21° 2	10°26	29°13	12°12	23° 3	26°D 1	26°25	9°21	n.a.	W19
T 20	13 29 56	23°42'54	4♉47	13° 0	9°18	21° 5	21°16	10°30	29°15	12°11	23° 2	26° 1	26°22	9°28	n.a.	T 20
F 21	13 33 53	24°40'26	19° 5	15° 2	10°23	21°15	21°29	10°34	29°17	12°10	23° 0	26° 2	26°19	9°35	n.a.	F 21
S 22	13 37 49	25°37'56	3♊ 1	17° 6	11°28	21°26	21°42	10°37	29°19	12° 9	22°58	26°R 2	26°16	9°41	n.a.	S 22
S 23	13 41 46	26°35'24	16°32	19°12	12°33	21°38	21°55	10°41	29°21	12° 8	22°57	26° 2	26°12	9°48	n.a.	S 23
M24	13 45 42	27°32'51	29°39	21°19	13°39	21°50	22° 8	10°44	29°23	12° 7	22°55	26° 1	26° 9	9°55	n.a.	M24
T 25	13 49 39	28°30'17	12♋23	23°28	14°45	22° 3	22°21	10°48	29°25	12° 6	22°53	26° 1	26° 6	10° 1	n.a.	T 25
W26	13 53 36	29°27'42	24°48	25°37	15°50	22°17	22°34	10°51	29°27	12° 5	22°52	26°D 1	26° 3	10° 8	n.a.	W26
T 27	13 57 32	0♉25'05	6♌57	27°48	16°56	22°31	22°47	10°54	29°29	12° 4	22°50	26° 1	26° 0	10°15	n.a.	T 27
F 28	14 1 29	1°22'27	18°56	29°59	18° 2	22°45	22°59	10°57	29°32	12° 3	22°48	26° 1	25°57	10°21	n.a.	F 28
S 29	14 5 25	2°19'47	0♍48	2♉11	19° 8	23° 0	23°12	11° 0	29°34	12° 2	22°47	26° 2	25°53	10°28	n.a.	S 29
S 30	14 9 22	3♉17'06	12♍38	4♉22	20♓15	23♌16	23♓25	11♒ 3	29♊36	12♐ 1	22♎45	26♎ 3	25♎50	10♍35	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n11	9n47	4s43	10s13	2s41	15s 4	0n 7	17n45	2n53	6s20	1s13	19s28	1s18	24n 8	0n23	21s27	1n 8	4n18	14n36	10s14	10s40	5n16		n.a.
S 2	2 34	6 15	4 8	9 40	2 42	14 50	0 2	17 43	2 50	6 14	1 13	19 27	1 18	24 8	0 23	21 27	1 8	4 19	14 36	10 13	10 39	5 14		n.a.
M 3	2 58	2 28	3 23	9 6	2 41	14 36	0s 3	17 41	2 47	6 9	1 13	19 26	1 18	24 8	0 23	21 27	1 8	4 19	14 36	10 12	10 38	5 12		n.a.
T 4	3 21	1s26	2 29	8 31	2 40	14 21	0 9	17 39	2 45	6 4	1 13	19 25	1 19	24 8	0 23	21 27	1 8	4 20	14 36	10 11	10 37	5 10		n.a.
W 5	3 44	5 19	1 28	7 54	2 39	14 5	0 14	17 36	2 42	5 58	1 13	19 23	1 19	24 8	0 23	21 27	1 8	4 21	14 36	10 10	10 36	5 8		n.a.
T 6	4 7	9 1	0 22	7 15	2 37	13 49	0 19	17 34	2 39	5 53	1 13	19 22	1 19	24 8	0 23	21 27	1 8	4 21	14 36	10 10	10 35	5 6		n.a.
F 7	4 30	12 23	0n45	6 35	2 34	13 33	0 24	17 31	2 36	5 47	1 13	19 21	1 19	24 8	0 23	21 27	1 8	4 22	14 36	10 10	10 33	5 4		n.a.
S 8	4 53	15 15	1 52	5 54	2 31	13 16	0 29	17 28	2 33	5 42	1 13	19 20	1 19	24 8	0 23	21 27	1 8	4 23	14 36	10 10	10 32	5 2		n.a.
S 9	5 15	17 25	2 54	5 11	2 27	12 59	0 33	17 25	2 31	5 37	1 13	19 19	1 19	24 8	0 23	21 27	1 8	4 23	14 36	10 11	10 31	5 0		n.a.
M10	5 38	18 46	3 49	4 27	2 23	12 41	0 38	17 21	2 28	5 31	1 13	19 18	1 20	24 8	0 23	21 26	1 8	4 24	14 36	10 11	10 30	4 58		n.a.
T 11	6 1	19 8	4 33	3 41	2 18	12 23	0 42	17 17	2 25	5 26	1 13	19 17	1 20	24 8	0 23	21 26	1 8	4 24	14 36	10 12	10 29	4 56		n.a.
W12	6 23	18 26	5 3	2 54	2 12	12 5	0 47	17 13	2 22	5 21	1 13	19 16	1 20	24 8	0 23	21 26	1 8	4 25	14 36	10 12	10 28	4 54		n.a.
T 13	6 46	16 39	5 16	2 5	2 7	11 46	0 51	17 9	2 20	5 15	1 14	19 15	1 20	24 8	0 23	21 26	1 8	4 26	14 36	10 12	10 26	4 52		n.a.
F 14	7 8	13 50	5 12	1 15	2 0	11 26	0 55	17 5	2 17	5 10	1 14	19 14	1 20	24 8	0 23	21 26	1 8	4 26	14 36	10 12	10 25	4 50		n.a.
S 15	7 30	10 9	4 48	0 25	1 53	11 7	0 59	17 0	2 14	5 5	1 14	19 13	1 21	24 8	0 23	21 26	1 8	4 27	14 36	10 11	10 24	4 48		n.a.
S 16	7 52	5 46	4 5	0n28	1 46	10 47	1 3	16 55	2 12	4 59	1 14	19 12	1 21	24 8	0 23	21 26	1 8	4 27	14 36	10 11	10 23	4 46		n.a.
M17	8 14	0 59	3 5	1 21	1 38	10 26	1 7	16 50	2 9	4 54	1 14	19 11	1 21	24 8	0 23	21 26	1 8	4 28	14 36	10 11	10 22	4 44		n.a.
T 18	8 36	3n52	1 52	2 15	1 29	10 5	1 10	16 45	2 6	4 49	1 14	19 10	1 21	24 8	0 23	21 26	1 8	4 28	14 36	10 11	10 21	4 42		n.a.
W19	8 58	8 29	0 32	3 10	1 20	9 44	1 14	16 40	2 4	4 44	1 14	19 9	1 21	24 8	0 23	21 25	1 8	4 29	14 36	10 11	10 19	4 40		n.a.
T 20	9 19	12 31	0s48	4 6	1 11	9 23	1 17	16 34	2 1	4 39	1 14	19 8	1 22	24 8	0 23	21 25	1 8	4 29	14 36	10 11	10 18	4 38		n.a.
F 21	9 41	15 43	2 5	5 3	1 2	9 1	1 21	16 28	1 59	4 33	1 14	19 8	1 22	24 8	0 23	21 25	1 8	4 30	14 36	10 11	10 17	4 37		n.a.
S 22	10 2	17 54	3 11	6 0	0 52	8 39	1 24	16 22	1 56	4 28	1 14	19 7	1 22	24 8	0 23	21 25	1 8	4 30	14 36	10 11	10 16	4 35		n.a.
S 23	10 23	19 0	4 5	6 58	0 42	8 16	1 27	16 16	1 54	4 23	1 15	19 6	1 22	24 8	0 23	21 25	1 8	4 31	14 36	10 11	10 15	4 33		n.a.
M24	10 44	19 0	4 45	7 56	0 31	7 53	1 30	16 10	1 51	4 18	1 15	19 5	1 22	24 8	0 23	21 25	1 8	4 32	14 36	10 11	10 14	4 31		n.a.
T 25	11 5	18 3	5 9	8 54	0 21	7 30	1 33	16 3	1 49	4 13	1 15	19 5	1 23	24 8	0 23	21 24	1 8	4 32	14 36	10 11	10 12	4 29		n.a.
W26	11 26	16 15	5 17	9 52	0 10	7 7	1 35	15 56	1 46	4 8	1 15	19 4	1 23	24 8	0 23	21 24	1 8	4 32	14 36	10 11	10 11	4 27		n.a.
T 27	11 46	13 45	5 12	10 50	0n 0	6 43	1 38	15 50	1 44	4 3	1 15	19 3	1 23	24 8	0 23	21 24	1 8	4 33	14 35	10 11	10 10	4 25		n.a.
F 28	12 6	10 43	4 53	11 47	0 11	6 20	1 41	15 42	1 42	3 58	1 15	19 3	1 23	24 8	0 23	21 24	1 8	4 33	14 35	10 11	10 9	4 23		n.a.
S 29	12 26	7 16	4 21	12 43	0 21	5 56	1 43	15 35	1 39	3 53	1 15	19 2	1 23	24 8	0 23	21 24	1 8	4 34	14 35	10 11	10 8	4 21		n.a.
S 30	12n46	3n33	3s38	13n38	0n32	5s31	1s45	15n28	1n37	3s48	1s15	19s 1	1s24	24n 8	0n23	21s24	1n 8	4n34	14n35	10s11	10s 7	4n19		n.a.

Julian Day Number = 1545828.5, Delta T = 04h34m22s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'44, Lahiri = -10°35'44 Julian Calendar 1 Apr. 481 BCE == Greg. Calendar 27 March 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

MAY 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 13 18	4♉14'24	24♍31	6♉34	21♓21	23♌32	23♓37	11♒ 6	29♊39	12°R 0	22°R43	26♎ 3	25♎47	10♍41	n.a.	M 1
T 2	14 17 15	5°11'42	6♎29	8°45	22°28	23°48	23°50	11° 8	29°41	11♐58	22♎42	26° 4	25°44	10°48	n.a.	T 2
W 3	14 21 11	6° 8'58	18°35	10°56	23°35	24° 6	24° 2	11°11	29°44	11°57	22°40	26° 5	25°41	10°55	n.a.	W 3
T 4	14 25 8	7° 6'13	0♏52	13° 5	24°42	24°23	24°14	11°13	29°46	11°56	22°39	26°R 5	25°37	11° 2	n.a.	T 4
F 5	14 29 4	8° 3'27	13°21	15°14	25°49	24°41	24°27	11°16	29°49	11°55	22°37	26° 4	25°34	11° 8	n.a.	F 5
S 6	14 33 1	9° 0'40	26° 4	17°21	26°56	25° 0	24°39	11°18	29°52	11°53	22°35	26° 3	25°31	11°15	n.a.	S 6
S 7	14 36 58	9°57'53	9♐ 1	19°27	28° 3	25°19	24°51	11°20	29°54	11°52	22°34	26° 2	25°28	11°22	n.a.	S 7
M 8	14 40 54	10°55'06	22°12	21°30	29°11	25°38	25° 3	11°23	29°57	11°51	22°32	26° 0	25°25	11°28	n.a.	M 8
T 9	14 44 51	11°52'18	5♑37	23°32	0♈18	25°58	25°15	11°25	29°59	11°50	22°31	25°58	25°22	11°35	n.a.	T 9
W10	14 48 47	12°49'29	19°15	25°32	1°26	26°18	25°27	11°27	0♋ 2	11°48	22°29	25°56	25°18	11°42	n.a.	W10
T 11	14 52 44	13°46'40	3♒ 7	27°30	2°33	26°39	25°39	11°28	0° 5	11°47	22°28	25°55	25°15	11°48	n.a.	T 11
F 12	14 56 40	14°43'51	17°10	29°26	3°41	27° 0	25°50	11°30	0° 8	11°45	22°26	25°D55	25°12	11°55	n.a.	F 12
S 13	15 0 37	15°41'01	1♓23	1♊20	4°49	27°22	26° 2	11°32	0°11	11°44	22°25	25°55	25° 9	12° 2	n.a.	S 13
S 14	15 4 34	16°38'11	15°44	3°11	5°57	27°44	26°13	11°33	0°14	11°43	22°23	25°56	25° 6	12° 8	n.a.	S 14
M15	15 8 30	17°35'21	0♈10	5° 0	7° 6	28° 6	26°25	11°35	0°17	11°41	22°22	25°58	25° 2	12°15	n.a.	M15
T 16	15 12 27	18°32'31	14°38	6°47	8°14	28°29	26°36	11°36	0°20	11°40	22°20	25°59	24°59	12°22	n.a.	T 16
W17	15 16 23	19°29'41	29° 2	8°31	9°22	28°52	26°48	11°37	0°22	11°38	22°19	25°R59	24°56	12°28	n.a.	W17
T 18	15 20 20	20°26'50	13♉19	10°13	10°31	29°16	26°59	11°39	0°25	11°37	22°17	25°58	24°53	12°35	n.a.	T 18
F 19	15 24 16	21°23'59	27°22	11°52	11°39	29°40	27°10	11°40	0°29	11°35	22°16	25°56	24°50	12°42	n.a.	F 19
S 20	15 28 13	22°21'07	11♊ 8	13°29	12°48	0♍ 4	27°21	11°41	0°32	11°34	22°15	25°53	24°47	12°48	n.a.	S 20
S 21	15 32 9	23°18'16	24°35	15° 4	13°57	0°29	27°32	11°41	0°35	11°32	22°13	25°49	24°43	12°55	n.a.	S 21
M22	15 36 6	24°15'24	7♋40	16°36	15° 6	0°54	27°43	11°42	0°38	11°31	22°12	25°45	24°40	13° 2	n.a.	M22
T 23	15 40 3	25°12'31	20°25	18° 6	16°15	1°19	27°53	11°43	0°41	11°29	22°11	25°41	24°37	13° 9	n.a.	T 23
W24	15 43 59	26° 9'38	2♌51	19°34	17°24	1°45	28° 4	11°43	0°44	11°28	22° 9	25°37	24°34	13°15	n.a.	W24
T 25	15 47 56	27° 6'44	15° 1	20°59	18°33	2°11	28°14	11°44	0°47	11°26	22° 8	25°35	24°31	13°22	n.a.	T 25
F 26	15 51 52	28° 3'51	27° 1	22°21	19°42	2°37	28°25	11°44	0°51	11°25	22° 7	25°D35	24°28	13°29	n.a.	F 26
S 27	15 55 49	29° 0'56	8♍53	23°41	20°51	3° 4	28°35	11°45	0°54	11°23	22° 5	25°35	24°24	13°35	n.a.	S 27
S 28	15 59 45	29°58'02	20°44	24°58	22° 1	3°31	28°45	11°45	0°57	11°21	22° 4	25°36	24°21	13°42	n.a.	S 28
M29	16 3 42	0♊55'07	2♎37	26°13	23°10	3°58	28°55	11°R45	1° 0	11°20	22° 3	25°38	24°18	13°49	n.a.	M29
T 30	16 7 38	1°52'12	14°39	27°25	24°19	4°25	29° 5	11°45	1° 4	11°18	22° 2	25°39	24°15	13°55	n.a.	T 30
W31	16 11 35	2♊49'16	26♎52	28♊34	25♈29	4♍53	29♓15	11♒45	1♋ 7	11♐17	22♎ 1	25°R40	24♎12	14♍ 2	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n 6	0s20	2s46	14n32	0n42	5s 7	1s47	15n20	1n35	3s43	1s16	19s 1	1s24	24n 8	0n23	21s23	1n 8	4n35	14n35	10s11	10s 5	4n17		n.a.
T 2	13 25	4 14	1 47	15 25	0 51	4 42	1 49	15 13	1 32	3 38	1 16	19 0	1 24	24 8	0 23	21 23	1 8	4 35	14 35	10 12	10 4	4 15		n.a.
W 3	13 45	8 1	0 41	16 15	1 1	4 17	1 51	15 5	1 30	3 33	1 16	19 0	1 24	24 8	0 23	21 23	1 8	4 36	14 34	10 12	10 3	4 13		n.a.
T 4	14 4	11 31	0n26	17 4	1 9	3 52	1 53	14 57	1 28	3 29	1 16	18 59	1 25	24 8	0 23	21 23	1 8	4 36	14 34	10 12	10 2	4 11		n.a.
F 5	14 23	14 33	1 34	17 51	1 18	3 26	1 55	14 48	1 26	3 24	1 16	18 59	1 25	24 8	0 23	21 23	1 9	4 36	14 34	10 12	10 1	4 9		n.a.
S 6	14 41	16 57	2 39	18 36	1 26	3 1	1 56	14 40	1 24	3 19	1 16	18 58	1 25	24 8	0 23	21 23	1 9	4 37	14 34	10 11	10 0	4 7		n.a.
S 7	15 0	18 32	3 36	19 18	1 33	2 35	1 58	14 32	1 21	3 14	1 16	18 58	1 25	24 8	0 23	21 22	1 9	4 37	14 34	10 11	9 58	4 5		n.a.
M 8	15 18	19 9	4 23	19 58	1 39	2 9	1 59	14 23	1 19	3 10	1 16	18 57	1 25	24 8	0 23	21 22	1 9	4 37	14 33	10 10	9 57	4 3		n.a.
T 9	15 36	18 42	4 56	20 36	1 45	1 43	2 0	14 14	1 17	3 5	1 17	18 57	1 26	24 8	0 23	21 22	1 9	4 38	14 33	10 9	9 56	4 1		n.a.
W10	15 53	17 10	5 14	21 11	1 50	1 17	2 2	14 5	1 15	3 0	1 17	18 57	1 26	24 8	0 23	21 22	1 9	4 38	14 33	10 9	9 55	3 59		n.a.
T 11	16 11	14 38	5 13	21 43	1 55	0 51	2 3	13 56	1 13	2 56	1 17	18 56	1 26	24 8	0 23	21 22	1 9	4 38	14 33	10 8	9 54	3 57		n.a.
F 12	16 28	11 13	4 54	22 13	1 59	0 24	2 4	13 47	1 11	2 51	1 17	18 56	1 26	24 8	0 23	21 21	1 9	4 39	14 32	10 8	9 52	3 55		n.a.
S 13	16 45	7 7	4 17	22 41	2 2	0n 2	2 4	13 37	1 9	2 47	1 17	18 56	1 27	24 8	0 23	21 21	1 9	4 39	14 32	10 8	9 51	3 53		n.a.
S 14	17 2	2 34	3 24	23 6	2 4	0 29	2 5	13 28	1 7	2 42	1 17	18 56	1 27	24 8	0 23	21 21	1 9	4 39	14 32	10 9	9 50	3 51		n.a.
M15	17 18	2n10	2 18	23 28	2 6	0 56	2 6	13 18	1 5	2 38	1 18	18 56	1 27	24 8	0 23	21 21	1 9	4 40	14 32	10 9	9 49	3 49		n.a.
T 16	17 34	6 48	1 2	23 48	2 7	1 22	2 6	13 8	1 3	2 33	1 18	18 55	1 27	24 8	0 23	21 21	1 9	4 40	14 31	10 10	9 48	3 47		n.a.
W17	17 50	11 1	0s17	24 6	2 7	1 49	2 7	12 58	1 1	2 29	1 18	18 55	1 27	24 8	0 23	21 20	1 9	4 40	14 31	10 10	9 47	3 45		n.a.
T 18	18 6	14 33	1 34	24 22	2 7	2 16	2 7	12 48	0 59	2 24	1 18	18 55	1 28	24 8	0 23	21 20	1 9	4 40	14 31	10 9	9 45	3 43		n.a.
F 19	18 21	17 10	2 44	24 35	2 6	2 43	2 7	12 38	0 58	2 20	1 18	18 55	1 28	24 8	0 23	21 20	1 9	4 41	14 30	10 9	9 44	3 41		n.a.
S 20	18 36	18 43	3 43	24 46	2 4	3 10	2 8	12 28	0 56	2 16	1 18	18 55	1 28	24 8	0 23	21 20	1 9	4 41	14 30	10 8	9 43	3 40		n.a.
S 21	18 50	19 10	4 28	24 55	2 1	3 37	2 8	12 17	0 54	2 12	1 19	18 55	1 28	24 8	0 23	21 20	1 9	4 41	14 30	10 6	9 42	3 38		n.a.
M22	19 5	18 34	4 58	25 2	1 58	4 4	2 8	12 6	0 52	2 7	1 19	18 55	1 29	24 8	0 23	21 19	1 9	4 41	14 29	10 4	9 41	3 36		n.a.
T 23	19 19	17 2	5 12	25 7	1 54	4 31	2 7	11 56	0 50	2 3	1 19	18 55	1 29	24 8	0 23	21 19	1 9	4 41	14 29	10 3	9 40	3 34		n.a.
W24	19 33	14 44	5 11	25 10	1 50	4 58	2 7	11 45	0 48	1 59	1 19	18 55	1 29	24 8	0 23	21 19	1 9	4 42	14 29	10 2	9 38	3 32		n.a.
T 25	19 46	11 50	4 55	25 11	1 45	5 24	2 7	11 34	0 47	1 55	1 19	18 55	1 29	24 8	0 23	21 19	1 9	4 42	14 28	10 1	9 37	3 30		n.a.
F 26	19 59	8 29	4 27	25 11	1 39	5 51	2 7	11 22	0 45	1 51	1 19	18 55	1 29	24 8	0 23	21 19	1 9	4 42	14 28	10 1	9 36	3 28		n.a.
S 27	20 12	4 49	3 48	25 9	1 33	6 18	2 6	11 11	0 43	1 47	1 20	18 55	1 30	24 8	0 23	21 18	1 9	4 42	14 28	10 1	9 35	3 26		n.a.
S 28	20 24	0 59	2 59	25 5	1 26	6 45	2 5	11 0	0 41	1 43	1 20	18 56	1 30	24 8	0 23	21 18	1 9	4 42	14 27	10 1	9 34	3 24		n.a.
M29	20 37	2s56	2 3	25 0	1 19	7 11	2 5	10 48	0 40	1 39	1 20	18 56	1 30	24 8	0 23	21 18	1 9	4 42	14 27	10 2	9 32	3 22		n.a.
T 30	20 48	6 46	1 0	24 54	1 11	7 38	2 4	10 36	0 38	1 35	1 20	18 56	1 30	24 8	0 23	21 18	1 9	4 42	14 27	10 3	9 31	3 20		n.a.
W31	21n 0	10s23	0n 7	24n47	1n 2	8n 4	2s 3	10n24	0n36	1s32	1s20	18s56	1s31	24n 8	0n23	21s17	1n 9	4n42	14n26	10s 3	9s30	3n18		n.a.

Julian Day Number = 1545858.5, Delta T = 04h34m21s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'40, Lahiri = -10°35'40 Julian Calendar 1 May 481 BCE == Greg. Calendar 26 Apr. 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

JUNE 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 15 32	3♊46'21	9♏20	29♊40	26♈39	5♍21	29♓25	11°R44	1♋10	11°R15	22°R 0	25°R39	24♎ 8	14♍ 9	n.a.	T 1
F 2	16 19 28	4°43'26	22° 5	0♋43	27°48	5°50	29°35	11♒44	1°14	11♐13	21♎58	25♎36	24° 5	14°15	n.a.	F 2
S 3	16 23 25	5°40'31	5♐ 8	1°44	28°58	6°18	29°44	11°43	1°17	11°12	21°57	25°32	24° 2	14°22	n.a.	S 3
S 4	16 27 21	6°37'36	18°28	2°41	0♉ 8	6°47	29°53	11°43	1°21	11°10	21°56	25°26	23°59	14°29	n.a.	S 4
M 5	16 31 18	7°34'41	2♉ 5	3°35	1°18	7°17	0♈ 3	11°42	1°24	11° 9	21°55	25°20	23°56	14°35	n.a.	M 5
T 6	16 35 14	8°31'47	15°54	4°25	2°28	7°46	0°12	11°42	1°27	11° 7	21°54	25°13	23°53	14°42	n.a.	T 6
W 7	16 39 11	9°28'53	29°53	5°13	3°38	8°16	0°21	11°41	1°31	11° 5	21°53	25° 7	23°49	14°49	n.a.	W 7
T 8	16 43 7	10°26'00	13♒59	5°56	4°48	8°46	0°30	11°40	1°34	11° 4	21°52	25° 3	23°46	14°55	n.a.	T 8
F 9	16 47 4	11°23'07	28° 9	6°36	5°59	9°16	0°39	11°39	1°38	11° 2	21°51	25° 0	23°43	15° 2	n.a.	F 9
S 10	16 51 1	12°20'15	12♓20	7°12	7° 9	9°46	0°47	11°38	1°41	11° 1	21°50	24°D59	23°40	15° 9	n.a.	S 10
S 11	16 54 57	13°17'23	26°30	7°44	8°19	10°17	0°56	11°36	1°45	10°59	21°50	25° 0	23°37	15°15	n.a.	S 11
M12	16 58 54	14°14'33	10♈38	8°12	9°30	10°48	1° 4	11°35	1°49	10°57	21°49	25° 1	23°34	15°22	n.a.	M12
T 13	17 2 50	15°11'43	24°42	8°35	10°41	11°19	1°13	11°34	1°52	10°56	21°48	25°R 2	23°30	15°29	n.a.	T 13
W14	17 6 47	16° 8'54	8♉41	8°55	11°51	11°51	1°21	11°32	1°56	10°54	21°47	25° 1	23°27	15°35	n.a.	W14
T 15	17 10 43	17° 6'05	22°31	9° 9	13° 2	12°22	1°29	11°30	1°59	10°52	21°46	24°58	23°24	15°42	n.a.	T 15
F 16	17 14 40	18° 3'18	6♊12	9°19	14°13	12°54	1°37	11°29	2° 3	10°51	21°46	24°53	23°21	15°49	n.a.	F 16
S 17	17 18 37	19° 0'31	19°40	9°24	15°23	13°26	1°44	11°27	2° 7	10°49	21°45	24°45	23°18	15°55	n.a.	S 17
S 18	17 22 33	19°57'45	2♋53	9°R24	16°34	13°59	1°52	11°25	2°10	10°48	21°44	24°36	23°14	16° 2	n.a.	S 18
M19	17 26 30	20°54'59	15°49	9°19	17°45	14°31	1°59	11°23	2°14	10°46	21°44	24°27	23°11	16° 9	n.a.	M19
T 20	17 30 26	21°52'14	28°27	9°10	18°56	15° 4	2° 6	11°21	2°17	10°45	21°43	24°17	23° 8	16°15	n.a.	T 20
W21	17 34 23	22°49'30	10♌50	8°55	20° 7	15°37	2°14	11°19	2°21	10°43	21°42	24° 9	23° 5	16°22	n.a.	W21
T 22	17 38 19	23°46'46	22°59	8°35	21°19	16°10	2°21	11°16	2°25	10°41	21°42	24° 2	23° 2	16°29	n.a.	T 22
F 23	17 42 16	24°44'02	4♍57	8°11	22°30	16°44	2°27	11°14	2°28	10°40	21°41	23°58	22°59	16°35	n.a.	F 23
S 24	17 46 12	25°41'20	16°48	7°43	23°41	17°17	2°34	11°12	2°32	10°38	21°41	23°56	22°55	16°42	n.a.	S 24
S 25	17 50 9	26°38'37	28°38	7°10	24°52	17°51	2°41	11° 9	2°36	10°37	21°40	23°D56	22°52	16°49	n.a.	S 25
M26	17 54 6	27°35'56	10♎31	6°34	26° 4	18°25	2°47	11° 7	2°39	10°35	21°40	23°56	22°49	16°56	n.a.	M26
T 27	17 58 2	28°33'15	22°34	5°54	27°15	18°59	2°53	11° 4	2°43	10°34	21°40	23°R57	22°46	17° 2	n.a.	T 27
W28	18 1 59	29°30'35	4♏50	5°12	28°27	19°34	2°59	11° 1	2°47	10°32	21°39	23°56	22°43	17° 9	n.a.	W28
T 29	18 5 55	0♋27'55	17°25	4°28	29°38	20° 8	3° 5	10°58	2°51	10°31	21°39	23°54	22°40	17°16	n.a.	T 29
F 30	18 9 52	1♋25'17	0♐21	3♋43	0♊50	20♍43	3♈11	10♒55	2♋54	10♐29	21♎39	23♎49	22♎36	17♍22	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n11	13s38	1n14	24n38	0n53	8n31	2s 2	10n12	0n35	1s28	1s21	18s57	1s31	24n 8	0n23	21s17	1n 9	4n42	14n26	10s 2	9s29	3n16		n.a.
F 2	21 22	16 18	2 19	24 28	0° 43	8 57	2 1	10 0	0 33	1 24	1 21	18 57	1 31	24 8	0 23	21 17	1 9	4 42	14 25	10 1	9 28	3 14		n.a.
S 3	21 32	18 11	3 18	24 17	0 33	9 23	2 0	9 48	0 32	1 21	1 21	18 57	1 31	24 8	0 23	21 17	1 9	4 42	14 25	10 0	9 27	3 12		n.a.
S 4	21 42	19 8	4 7	24 6	0 22	9 49	1 59	9 36	0 30	1 17	1 21	18 58	1 32	24 8	0 23	21 17	1 9	4 42	14 24	9 58	9 25	3 10		n.a.
M 5	21 52	19 0	4 44	23 53	0 11	10 14	1 58	9 23	0 28	1 13	1 21	18 58	1 32	24 8	0 23	21 16	1 9	4 42	14 24	9 55	9 24	3 8		n.a.
T 6	22 1	17 45	5 5	23 40	0s 1	10 40	1 56	9 11	0 27	1 10	1 22	18 58	1 32	24 7	0 23	21 16	1 9	4 42	14 24	9 53	9 23	3 6		n.a.
W 7	22 10	15 25	5 8	23 26	0 13	11 5	1 55	8 58	0 25	1 6	1 22	18 59	1 32	24 7	0 23	21 16	1 9	4 42	14 23	9 51	9 22	3 4		n.a.
T 8	22 18	12 11	4 52	23 12	0 25	11 31	1 54	8 45	0 24	1 3	1 22	18 59	1 32	24 7	0 23	21 16	1 9	4 42	14 23	9 49	9 21	3 2		n.a.
F 9	22 26	8 13	4 19	22 57	0 38	11 56	1 52	8 33	0 22	1 0	1 22	19 0	1 33	24 7	0 23	21 16	1 9	4 42	14 22	9 48	9 19	3 0		n.a.
S 10	22 34	3 48	3 30	22 42	0 51	12 20	1 51	8 20	0 21	0 56	1 23	19 0	1 33	24 7	0 23	21 15	1 9	4 42	14 22	9 48	9 18	2 58		n.a.
S 11	22 41	0n51	2 28	22 26	1 5	12 45	1 49	8 6	0 19	0 53	1 23	19 1	1 33	24 7	0 23	21 15	1 9	4 42	14 21	9 48	9 17	2 56		n.a.
M12	22 48	5 26	1 17	22 11	1 19	13 9	1 47	7 53	0 18	0 50	1 23	19 2	1 33	24 7	0 23	21 15	1 8	4 42	14 21	9 48	9 16	2 54		n.a.
T 13	22 55	9 43	0 2	21 55	1 33	13 33	1 45	7 40	0 17	0 47	1 23	19 2	1 34	24 7	0 23	21 15	1 8	4 42	14 20	9 49	9 15	2 52		n.a.
W14	23 1	13 26	1s13	21 40	1 47	13 57	1 44	7 26	0 15	0 44	1 23	19 3	1 34	24 7	0 23	21 14	1 8	4 41	14 20	9 48	9 13	2 50		n.a.
T 15	23 7	16 21	2 22	21 24	2 2	14 20	1 42	7 13	0 14	0 41	1 24	19 3	1 34	24 7	0 23	21 14	1 8	4 41	14 20	9 47	9 12	2 49		n.a.
F 16	23 12	18 18	3 23	21 9	2 16	14 43	1 40	6 59	0 12	0 38	1 24	19 4	1 34	24 7	0 23	21 14	1 8	4 41	14 19	9 45	9 11	2 47		n.a.
S 17	23 17	19 11	4 10	20 54	2 31	15 6	1 38	6 45	0 11	0 35	1 24	19 5	1 34	24 7	0 23	21 14	1 8	4 41	14 19	9 43	9 10	2 45		n.a.
S 18	23 22	18 59	4 44	20 40	2 45	15 29	1 36	6 32	0 9	0 32	1 24	19 6	1 35	24 7	0 23	21 14	1 8	4 41	14 18	9 39	9 9	2 43		n.a.
M19	23 26	17 48	5 2	20 26	2 59	15 51	1 34	6 18	0 8	0 29	1 25	19 6	1 35	24 7	0 23	21 13	1 8	4 40	14 18	9 36	9 7	2 41		n.a.
T 20	23 30	15 46	5 4	20 13	3 13	16 13	1 31	6 4	0 7	0 27	1 25	19 7	1 35	24 7	0 23	21 13	1 8	4 40	14 17	9 32	9 6	2 39		n.a.
W21	23 33	13 3	4 52	20 1	3 26	16 34	1 29	5 49	0 5	0 24	1 25	19 8	1 35	24 7	0 23	21 13	1 8	4 40	14 17	9 29	9 5	2 37		n.a.
T 22	23 36	9 49	4 28	19 50	3 39	16 56	1 27	5 35	0 4	0 22	1 25	19 9	1 35	24 7	0 23	21 13	1 8	4 40	14 16	9 27	9 4	2 35		n.a.
F 23	23 39	6 14	3 51	19 39	3 51	17 16	1 25	5 21	0 3	0 19	1 26	19 10	1 36	24 7	0 23	21 13	1 8	4 39	14 16	9 25	9 3	2 33		n.a.
S 24	23 41	2 27	3 5	19 30	4 2	17 37	1 22	5 6	0 2	0 17	1 26	19 11	1 36	24 7	0 23	21 12	1 8	4 39	14 15	9 24	9 2	2 31		n.a.
S 25	23 42	1s27	2 11	19 22	4 12	17 57	1 20	4 52	0 0	0 14	1 26	19 11	1 36	24 6	0 23	21 12	1 8	4 39	14 15	9 24	9 0	2 29		n.a.
M26	23 44	5 18	1 11	19 15	4 21	18 16	1 17	4 37	0s 1	0 12	1 26	19 12	1 36	24 6	0 23	21 12	1 8	4 38	14 14	9 24	8 59	2 27		n.a.
T 27	23 45	9 0	0 7	19 9	4 28	18 35	1 15	4 23	0 2	0 10	1 27	19 13	1 36	24 6	0 23	21 12	1 8	4 38	14 14	9 24	8 58	2 25		n.a.
W28	23 45	12 24	0n58	19 5	4 34	18 54	1 12	4 8	0 4	0 7	1 27	19 14	1 37	24 6	0 23	21 12	1 8	4 38	14 13	9 24	8 57	2 23		n.a.
T 29	23 45	15 18	2 2	19 2	4 38	19 12	1 10	3 53	0 5	0 5	1 27	19 15	1 37	24 6	0 23	21 11	1 8	4 37	14 13	9 23	8 56	2 21		n.a.
F 30	23n45	17s32	3n 1	19n 1	4s41	19n30	1s 7	3n38	0s 6	0s 3	1s27	19s16	1s37	24n 6	0n23	21s11	1n 8	4n37	14n12	9s22	8s54	2n19		n.a.

Julian Day Number = 1545889.5, Delta T = 04h34m20s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'36, Lahiri = -10°35'35 Julian Calendar 1 June 481 BCE == Greg. Calendar 27 May 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

JULY 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 13 48	2♋22'39	13♐40	2°R57	2♊ 1	21♍18	3♈16	10°R52	2♋58	10°R28	21°R38	23°R42	22♎33	17♍29	n.a.	S 1
S 2	18 17 45	3°20'03	27°22	2♋12	3°13	21°53	3°22	10♒49	3° 2	10♐26	21♎38	23♎33	22°30	17°36	n.a.	S 2
M 3	18 21 41	4°17'27	11♉23	1°28	4°25	22°28	3°27	10°46	3° 5	10°25	21°38	23°22	22°27	17°42	n.a.	M 3
T 4	18 25 38	5°14'53	25°39	0°46	5°37	23° 4	3°32	10°43	3° 9	10°23	21°38	23°11	22°24	17°49	n.a.	T 4
W 5	18 29 35	6°12'20	10♒ 5	0° 7	6°49	23°39	3°37	10°39	3°13	10°22	21°38	23° 2	22°20	17°56	n.a.	W 5
T 6	18 33 31	7° 9'48	24°33	29♊32	8° 1	24°15	3°42	10°36	3°16	10°20	21°38	22°54	22°17	18° 2	n.a.	T 6
F 7	18 37 28	8° 7'18	8♓59	29° 1	9°13	24°51	3°46	10°33	3°20	10°19	21°38	22°49	22°14	18° 9	n.a.	F 7
S 8	18 41 24	9° 4'49	23°19	28°36	10°25	25°27	3°51	10°29	3°24	10°18	21°D38	22°46	22°11	18°16	n.a.	S 8
S 9	18 45 21	10° 2'22	7♈28	28°16	11°37	26° 3	3°55	10°25	3°27	10°16	21°38	22°D46	22° 8	18°22	n.a.	S 9
M10	18 49 17	10°59'56	21°28	28° 2	12°49	26°40	3°59	10°22	3°31	10°15	21°38	22°R46	22° 5	18°29	n.a.	M10
T 11	18 53 14	11°57'32	5♉17	27°54	14° 2	27°16	4° 3	10°18	3°35	10°14	21°38	22°45	22° 1	18°36	n.a.	T 11
W12	18 57 10	12°55'10	18°55	27°D54	15°14	27°53	4° 6	10°14	3°38	10°12	21°38	22°43	21°58	18°42	n.a.	W12
T 13	19 1 7	13°52'50	2♊23	28° 0	16°27	28°30	4°10	10°10	3°42	10°11	21°38	22°39	21°55	18°49	n.a.	T 13
F 14	19 5 4	14°50'31	15°40	28°14	17°39	29° 7	4°13	10° 7	3°46	10°10	21°38	22°31	21°52	18°56	n.a.	F 14
S 15	19 9 0	15°48'14	28°46	28°35	18°52	29°44	4°16	10° 3	3°49	10° 9	21°38	22°21	21°49	19° 2	n.a.	S 15
S 16	19 12 57	16°45'58	11♋40	29° 3	20° 4	0♎22	4°19	9°59	3°53	10° 7	21°39	22° 9	21°46	19° 9	n.a.	S 16
M17	19 16 53	17°43'44	24°20	29°39	21°17	0°59	4°22	9°55	3°57	10° 6	21°39	21°56	21°42	19°16	n.a.	M17
T 18	19 20 50	18°41'31	6♌48	0♋22	22°30	1°37	4°24	9°50	4° 0	10° 5	21°39	21°43	21°39	19°22	n.a.	T 18
W19	19 24 46	19°39'20	19° 3	1°12	23°42	2°15	4°27	9°46	4° 4	10° 4	21°40	21°31	21°36	19°29	n.a.	W19
T 20	19 28 43	20°37'10	1♍ 6	2° 9	24°55	2°53	4°29	9°42	4° 7	10° 3	21°40	21°21	21°33	19°36	n.a.	T 20
F 21	19 32 39	21°35'01	13° 1	3°12	26° 8	3°31	4°31	9°38	4°11	10° 2	21°40	21°14	21°30	19°42	n.a.	F 21
S 22	19 36 36	22°32'54	24°50	4°22	27°21	4° 9	4°33	9°34	4°15	10° 0	21°41	21°10	21°26	19°49	n.a.	S 22
S 23	19 40 33	23°30'48	6♎37	5°38	28°34	4°48	4°34	9°29	4°18	9°59	21°41	21° 8	21°23	19°56	n.a.	S 23
M24	19 44 29	24°28'44	18°29	7° 0	29°47	5°26	4°36	9°25	4°22	9°58	21°42	21° 8	21°20	20° 2	n.a.	M24
T 25	19 48 26	25°26'41	0♏30	8°27	1♋ 0	6° 5	4°37	9°20	4°25	9°57	21°42	21° 8	21°17	20° 9	n.a.	T 25
W26	19 52 22	26°24'40	12°46	9°58	2°13	6°44	4°38	9°16	4°29	9°56	21°43	21° 7	21°14	20°16	n.a.	W26
T 27	19 56 19	27°22'40	25°21	11°34	3°26	7°23	4°38	9°12	4°32	9°55	21°44	21° 5	21°11	20°22	n.a.	T 27
F 28	20 0 15	28°20'42	8♐21	13°14	4°39	8° 2	4°39	9° 7	4°36	9°54	21°44	21° 0	21° 7	20°29	n.a.	F 28
S 29	20 4 12	29°18'45	21°47	14°58	5°53	8°41	4°39	9° 3	4°39	9°53	21°45	20°53	21° 4	20°36	n.a.	S 29
S 30	20 8 8	0♌16'50	5♉40	16°44	7° 6	9°20	4°R40	8°58	4°43	9°53	21°46	20°43	21° 1	20°42	n.a.	S 30
M31	20 12 5	1♌14'56	19♉59	18♋33	8♋19	10♎ 0	4♈40	8♒53	4♋46	9♐52	21♎46	20♎32	20♎58	20♍49	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	18s54	3n52	19n 1	4s42	19n47	1s 5	3n23	0s 7	0s 1	1s28	19s17	1s37	24n 6	0n23	21s11	1n 8	4n37	14n11	9s19	8s53	2n17		n.a.
S 2	23 42	19 12	4 32	19 2	4 41	20 3	1 2	3 8	0 8	0n 1	1 28	19 18	1 37	24 6	0 23	21 11	1 8	4 36	14 11	9 15	8 52	2 15		n.a.
M 3	23 41	18 21	4 56	19 6	4 39	20 20	0 59	2 53	0 10	0 3	1 28	19 19	1 38	24 6	0 23	21 11	1 8	4 36	14 10	9 12	8 51	2 13		n.a.
T 4	23 39	16 21	5 2	19 10	4 35	20 35	0 57	2 37	0 11	0 4	1 28	19 21	1 38	24 6	0 23	21 10	1 8	4 35	14 10	9 8	8 50	2 11		n.a.
W 5	23 36	13 19	4 49	19 16	4 29	20 50	0 54	2 22	0 12	0 6	1 29	19 22	1 38	24 6	0 23	21 10	1 8	4 35	14 9	9 4	8 48	2 9		n.a.
T 6	23 33	9 28	4 18	19 24	4 21	21 5	0 51	2 7	0 13	0 8	1 29	19 23	1 38	24 6	0 23	21 10	1 8	4 34	14 9	9 1	8 47	2 7		n.a.
F 7	23 30	5 4	3 30	19 33	4 12	21 19	0 49	1 51	0 14	0 9	1 29	19 24	1 38	24 6	0 23	21 10	1 8	4 34	14 8	8 59	8 46	2 5		n.a.
S 8	23 26	0 24	2 29	19 44	4 1	21 33	0 46	1 36	0 15	0 11	1 29	19 25	1 39	24 5	0 23	21 10	1 8	4 34	14 8	8 58	8 45	2 3		n.a.
S 9	23 22	4n14	1 20	19 55	3 49	21 46	0 43	1 20	0 16	0 12	1 30	19 26	1 39	24 5	0 23	21 10	1 8	4 33	14 7	8 58	8 44	2 2		n.a.
M10	23 17	8 35	0 7	20 8	3 36	21 58	0 40	1 5	0 18	0 14	1 30	19 27	1 39	24 5	0 23	21 9	1 8	4 32	14 7	8 58	8 42	2 0		n.a.
T 11	23 12	12 25	1s 6	20 22	3 22	22 10	0 38	0 49	0 19	0 15	1 30	19 29	1 39	24 5	0 23	21 9	1 8	4 32	14 6	8 58	8 41	1 58		n.a.
W12	23 7	15 32	2 14	20 37	3 8	22 21	0 35	0 33	0 20	0 16	1 31	19 30	1 39	24 5	0 23	21 9	1 8	4 31	14 6	8 57	8 40	1 56		n.a.
T 13	23 1	17 45	3 13	20 52	2 52	22 31	0 32	0 17	0 21	0 17	1 31	19 31	1 39	24 5	0 23	21 9	1 8	4 31	14 5	8 55	8 39	1 54		n.a.
F 14	22 55	18 58	4 1	21 8	2 36	22 41	0 29	0 1	0 22	0 18	1 31	19 32	1 40	24 5	0 23	21 9	1 8	4 30	14 4	8 52	8 38	1 52		n.a.
S 15	22 48	19 9	4 36	21 25	2 20	22 50	0 26	0s15	0 23	0 19	1 31	19 33	1 40	24 5	0 23	21 9	1 8	4 30	14 4	8 49	8 36	1 50		n.a.
S 16	22 41	18 20	4 55	21 41	2 4	22 59	0 24	0 31	0 24	0 20	1 32	19 35	1 40	24 5	0 23	21 8	1 8	4 29	14 3	8 44	8 35	1 48		n.a.
M17	22 34	16 36	5 0	21 58	1 47	23 7	0 21	0 47	0 25	0 21	1 32	19 36	1 40	24 5	0 23	21 8	1 8	4 29	14 3	8 39	8 34	1 46		n.a.
T 18	22 26	14 8	4 50	22 14	1 31	23 14	0 18	1 3	0 26	0 22	1 32	19 37	1 40	24 5	0 23	21 8	1 8	4 28	14 2	8 34	8 33	1 44		n.a.
W19	22 17	11 5	4 27	22 30	1 14	23 21	0 15	1 19	0 27	0 23	1 32	19 39	1 40	24 4	0 23	21 8	1 8	4 27	14 2	8 30	8 32	1 42		n.a.
T 20	22 9	7 37	3 52	22 46	0 58	23 27	0 12	1 35	0 28	0 23	1 33	19 40	1 40	24 4	0 23	21 8	1 8	4 27	14 1	8 26	8 30	1 40		n.a.
F 21	22 0	3 53	3 7	23 0	0 43	23 32	0 10	1 51	0 29	0 24	1 33	19 41	1 41	24 4	0 23	21 8	1 7	4 26	14 1	8 23	8 29	1 38		n.a.
S 22	21 50	0 2	2 15	23 13	0 28	23 37	0 7	2 8	0 30	0 24	1 33	19 42	1 41	24 4	0 23	21 8	1 7	4 25	14 0	8 22	8 28	1 36		n.a.
S 23	21 40	3s50	1 16	23 25	0 13	23 41	0 4	2 24	0 31	0 25	1 34	19 44	1 41	24 4	0 23	21 8	1 7	4 25	14 0	8 21	8 27	1 34		n.a.
M24	21 30	7 33	0 14	23 35	0n 1	23 44	0 1	2 40	0 32	0 25	1 34	19 45	1 41	24 4	0 23	21 7	1 7	4 24	13 59	8 21	8 26	1 32		n.a.
T 25	21 20	11 1	0n50	23 43	0 14	23 46	0n 1	2 57	0 33	0 25	1 34	19 46	1 41	24 4	0 23	21 7	1 7	4 23	13 58	8 21	8 24	1 30		n.a.
W26	21 9	14 6	1 52	23 49	0 26	23 48	0 4	3 13	0 34	0 25	1 34	19 48	1 41	24 4	0 23	21 7	1 7	4 22	13 58	8 21	8 23	1 28		n.a.
T 27	20 57	16 35	2 51	23 52	0 38	23 49	0 7	3 30	0 35	0 25	1 35	19 49	1 41	24 4	0 23	21 7	1 7	4 22	13 57	8 20	8 22	1 26		n.a.
F 28	20 46	18 19	3 42	23 54	0 49	23 50	0 10	3 46	0 36	0 25	1 35	19 50	1 41	24 4	0 23	21 7	1 7	4 21	13 57	8 18	8 21	1 24		n.a.
S 29	20 34	19 6	4 24	23 52	0 59	23 49	0 12	4 3	0 36	0 25	1 35	19 52	1 42	24 3	0 23	21 7	1 7	4 20	13 56	8 15	8 20	1 23		n.a.
S 30	20 21	18 47	4 51	23 48	1 8	23 48	0 15	4 19	0 37	0 25	1 35	19 53	1 42	24 3	0 23	21 7	1 7	4 20	13 56	8 11	8 18	1 21		n.a.
M31	20n 8	17s17	5n 1	23n42	1n16	23n47	0n17	4s36	0s38	0n25	1s36	19s54	1s42	24n 3	0n23	21s 7	1n 7	4n19	13n55	8s 7	8s17	1n19		n.a.

Julian Day Number = 1545919.5, Delta T = 04h34m18s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'32, Lahiri = -10°35'31 Julian Calendar 1 July 481 BCE == Greg. Calendar 26 June 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

AUGUST 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 16 2	2♌13'05	4♒37	20♋25	9♋33	10♎39	4°R39	8°R49	4♋49	9°R51	21♎47	20°R21	20♎55	20♍56	n.a.	T 1
W 2	20 19 58	3°11'15	19°26	22°17	10°46	11°19	4♈39	8♒44	4°53	9♐50	21°48	20♎11	20°51	21° 2	n.a.	W 2
T 3	20 23 55	4° 9'27	4♓20	24°11	12° 0	11°59	4°38	8°40	4°56	9°49	21°49	20° 3	20°48	21° 9	n.a.	T 3
F 4	20 27 51	5° 7'41	19° 8	26° 6	13°14	12°39	4°38	8°35	4°59	9°49	21°50	19°57	20°45	21°16	n.a.	F 4
S 5	20 31 48	6° 5'57	3♈44	28° 2	14°27	13°19	4°37	8°31	5° 3	9°48	21°51	19°54	20°42	21°22	n.a.	S 5
S 6	20 35 44	7° 4'15	18° 5	29°57	15°41	13°59	4°35	8°26	5° 6	9°47	21°52	19°D53	20°39	21°29	n.a.	S 6
M 7	20 39 41	8° 2'36	2♉ 8	1♌53	16°55	14°39	4°34	8°21	5° 9	9°46	21°53	19°R54	20°36	21°36	n.a.	M 7
T 8	20 43 37	9° 0'59	15°53	3°49	18° 8	15°20	4°32	8°17	5°13	9°46	21°54	19°54	20°32	21°42	n.a.	T 8
W 9	20 47 34	9°59'24	29°21	5°44	19°22	16° 0	4°31	8°12	5°16	9°45	21°55	19°52	20°29	21°49	n.a.	W 9
T 10	20 51 31	10°57'51	12♊33	7°39	20°36	16°41	4°29	8° 7	5°19	9°45	21°56	19°48	20°26	21°56	n.a.	T 10
F 11	20 55 27	11°56'21	25°32	9°33	21°50	17°22	4°26	8° 3	5°22	9°44	21°57	19°42	20°23	22° 2	n.a.	F 11
S 12	20 59 24	12°54'53	8♋19	11°26	23° 4	18° 3	4°24	7°58	5°25	9°44	21°58	19°33	20°20	22° 9	n.a.	S 12
S 13	21 3 20	13°53'27	20°54	13°19	24°18	18°44	4°21	7°54	5°28	9°43	21°59	19°22	20°17	22°16	n.a.	S 13
M14	21 7 17	14°52'04	3♌18	15°10	25°32	19°25	4°18	7°49	5°31	9°43	22° 0	19°10	20°13	22°22	n.a.	M14
T 15	21 11 13	15°50'42	15°32	17° 1	26°46	20° 6	4°15	7°44	5°34	9°42	22° 2	18°58	20°10	22°29	n.a.	T 15
W16	21 15 10	16°49'22	27°37	18°51	28° 1	20°47	4°12	7°40	5°37	9°42	22° 3	18°47	20° 7	22°36	n.a.	W16
T 17	21 19 6	17°48'05	9♍33	20°40	29°15	21°29	4° 9	7°35	5°40	9°41	22° 4	18°39	20° 4	22°42	n.a.	T 17
F 18	21 23 3	18°46'49	21°24	22°28	0♌29	22°10	4° 5	7°31	5°43	9°41	22° 5	18°33	20° 1	22°49	n.a.	F 18
S 19	21 26 59	19°45'35	3♎10	24°15	1°43	22°52	4° 2	7°26	5°46	9°41	22° 7	18°29	19°57	22°56	n.a.	S 19
S 20	21 30 56	20°44'23	14°57	26° 1	2°58	23°34	3°58	7°22	5°49	9°40	22° 8	18°D28	19°54	23° 2	n.a.	S 20
M21	21 34 53	21°43'13	26°48	27°46	4°12	24°16	3°54	7°17	5°52	9°40	22°10	18°28	19°51	23° 9	n.a.	M21
T 22	21 38 49	22°42'05	8♏47	29°29	5°26	24°57	3°49	7°13	5°55	9°40	22°11	18°29	19°48	23°16	n.a.	T 22
W23	21 42 46	23°40'59	21° 0	1♍12	6°41	25°40	3°45	7° 9	5°58	9°40	22°12	18°R29	19°45	23°22	n.a.	W23
T 24	21 46 42	24°39'55	3♐32	2°54	7°55	26°22	3°40	7° 4	6° 0	9°40	22°14	18°29	19°42	23°29	n.a.	T 24
F 25	21 50 39	25°38'53	16°28	4°35	9°10	27° 4	3°35	7° 0	6° 3	9°40	22°15	18°27	19°38	23°36	n.a.	F 25
S 26	21 54 35	26°37'52	29°52	6°15	10°25	27°46	3°30	6°56	6° 6	9°40	22°17	18°23	19°35	23°42	n.a.	S 26
S 27	21 58 32	27°36'54	13♑45	7°55	11°39	28°29	3°25	6°52	6° 8	9°40	22°19	18°17	19°32	23°49	n.a.	S 27
M28	22 2 28	28°35'57	28° 6	9°33	12°54	29°11	3°20	6°48	6°11	9°D40	22°20	18° 9	19°29	23°55	n.a.	M28
T 29	22 6 25	29°35'02	12♒52	11°10	14° 8	29°54	3°14	6°44	6°14	9°40	22°22	18° 2	19°26	24° 2	n.a.	T 29
W30	22 10 22	0♍34'10	27°55	12°47	15°23	0♏37	3° 9	6°39	6°16	9°40	22°23	17°54	19°23	24° 9	n.a.	W30
T 31	22 14 18	1♍33'19	13♓ 6	14♍23	16♌38	1♏19	3♈ 3	6♒35	6♋19	9♐40	22♎25	17♎49	19♎19	24♍15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	19n55	14s38	4n52	23n32	1n23	23n44	0n20	4s52	0s39	0n24	1s36	19s56	1s42	24n 3	0n23	21s 7	1n 7	4n18	13n55	8s 3	8s16	1n17			n.a.
W 2	19 42	11 1	4 23	23 20	1 29	23 41	0 23	5 9	0 40	0 24	1 36	19 57	1 42	24 3	0 23	21 7	1 7	4 17	13 54	7 59	8 15	1 15			n.a.
T 3	19 28	6 41	3 37	23 6	1 34	23 37	0 25	5 25	0 41	0 24	1 37	19 58	1 42	24 3	0 23	21 7	1 7	4 16	13 54	7 56	8 13	1 13			n.a.
F 4	19 14	1 59	2 35	22 49	1 38	23 32	0 28	5 42	0 42	0 23	1 37	20 0	1 42	24 3	0 23	21 6	1 7	4 16	13 53	7 54	8 12	1 11			n.a.
S 5	19 0	2n48	1 25	22 29	1 42	23 27	0 30	5 58	0 43	0 22	1 37	20 1	1 42	24 3	0 23	21 6	1 7	4 15	13 53	7 53	8 11	1 9			n.a.
S 6	18 45	7 20	0 10	22 8	1 45	23 21	0 32	6 15	0 43	0 22	1 37	20 2	1 42	24 3	0 24	21 6	1 7	4 14	13 52	7 53	8 10	1 7			n.a.
M 7	18 30	11 22	1s 5	21 44	1 47	23 14	0 35	6 32	0 44	0 21	1 38	20 3	1 42	24 2	0 24	21 6	1 7	4 13	13 52	7 53	8 9	1 5			n.a.
T 8	18 14	14 41	2 14	21 18	1 48	23 7	0 37	6 48	0 45	0 20	1 38	20 5	1 43	24 2	0 24	21 6	1 7	4 12	13 51	7 53	8 7	1 3			n.a.
W 9	17 58	17 7	3 13	20 50	1 48	22 59	0 39	7 5	0 46	0 19	1 38	20 6	1 43	24 2	0 24	21 6	1 7	4 11	13 51	7 52	8 6	1 1			n.a.
T 10	17 42	18 36	4 2	20 20	1 48	22 50	0 42	7 21	0 47	0 18	1 38	20 7	1 43	24 2	0 24	21 6	1 7	4 11	13 50	7 51	8 5	0 59			n.a.
F 11	17 26	19 4	4 37	19 49	1 48	22 41	0 44	7 38	0 47	0 17	1 39	20 9	1 43	24 2	0 24	21 6	1 7	4 10	13 50	7 48	8 4	0 57			n.a.
S 12	17 9	18 33	4 57	19 16	1 46	22 30	0 46	7 54	0 48	0 16	1 39	20 10	1 43	24 2	0 24	21 6	1 7	4 9	13 49	7 45	8 3	0 55			n.a.
S 13	16 52	17 7	5 3	18 42	1 44	22 20	0 48	8 11	0 49	0 14	1 39	20 11	1 43	24 2	0 24	21 6	1 7	4 8	13 49	7 40	8 1	0 53			n.a.
M14	16 35	14 54	4 54	18 7	1 42	22 8	0 50	8 27	0 50	0 13	1 39	20 12	1 43	24 2	0 24	21 6	1 7	4 7	13 48	7 36	8 0	0 51			n.a.
T 15	16 18	12 4	4 32	17 31	1 39	21 56	0 52	8 44	0 50	0 12	1 40	20 14	1 43	24 2	0 24	21 6	1 6	4 6	13 48	7 31	7 59	0 49			n.a.
W16	16 0	8 45	3 57	16 53	1 36	21 43	0 54	9 0	0 51	0 10	1 40	20 15	1 43	24 1	0 24	21 6	1 6	4 5	13 47	7 27	7 58	0 48			n.a.
T 17	15 42	5 7	3 12	16 15	1 32	21 30	0 56	9 17	0 52	0 9	1 40	20 16	1 43	24 1	0 24	21 6	1 6	4 4	13 47	7 24	7 57	0 46			n.a.
F 18	15 23	1 19	2 20	15 36	1 28	21 15	0 58	9 33	0 53	0 7	1 40	20 17	1 43	24 1	0 24	21 6	1 6	4 3	13 46	7 22	7 55	0 44			n.a.
S 19	15 5	2s31	1 21	14 56	1 24	21 1	1 0	9 50	0 53	0 5	1 41	20 19	1 43	24 1	0 24	21 6	1 6	4 2	13 46	7 20	7 54	0 42			n.a.
S 20	14 46	6 15	0 19	14 15	1 19	20 45	1 2	10 6	0 54	0 3	1 41	20 20	1 43	24 1	0 24	21 6	1 6	4 1	13 45	7 20	7 53	0 40			n.a.
M21	14 27	9 46	0n45	13 34	1 14	20 29	1 4	10 22	0 55	0 2	1 41	20 21	1 43	24 1	0 24	21 6	1 6	4 1	13 45	7 20	7 52	0 38			n.a.
T 22	14 8	12 55	1 47	12 53	1 9	20 13	1 5	10 38	0 55	0s 0	1 41	20 22	1 43	24 1	0 24	21 6	1 6	4 0	13 44	7 20	7 50	0 36			n.a.
W23	13 48	15 34	2 46	12 11	1 4	19 55	1 7	10 55	0 56	0 2	1 41	20 23	1 43	24 1	0 24	21 6	1 6	3 59	13 44	7 20	7 49	0 34			n.a.
T 24	13 28	17 34	3 38	11 28	0 58	19 37	1 8	11 11	0 57	0 4	1 42	20 24	1 43	24 1	0 24	21 6	1 6	3 58	13 43	7 20	7 48	0 32			n.a.
F 25	13 8	18 43	4 21	10 45	0 52	19 19	1 10	11 27	0 57	0 7	1 42	20 26	1 43	24 1	0 24	21 6	1 6	3 57	13 43	7 19	7 47	0 30			n.a.
S 26	12 48	18 53	4 52	10 3	0 46	19 0	1 11	11 43	0 58	0 9	1 42	20 27	1 43	24 0	0 24	21 6	1 6	3 56	13 42	7 18	7 46	0 28			n.a.
S 27	12 27	17 57	5 7	9 19	0 40	18 41	1 13	11 59	0 59	0 11	1 42	20 28	1 43	24 0	0 24	21 6	1 6	3 55	13 42	7 15	7 44	0 26			n.a.
M28	12 7	15 52	5 3	8 36	0 33	18 21	1 14	12 15	0 59	0 13	1 42	20 29	1 43	24 0	0 24	21 6	1 6	3 54	13 42	7 13	7 43	0 24			n.a.
T 29	11 46	12 42	4 40	7 53	0 27	18 0	1 15	12 31	1 0	0 16	1 43	20 30	1 43	24 0	0 24	21 6	1 6	3 53	13 41	7 10	7 42	0 22			n.a.
W30	11 25	8 39	3 56	7 9	0 20	17 39	1 16	12 47	1 0	0 18	1 43	20 31	1 43	24 0	0 24	21 6	1 6	3 52	13 41	7 7	7 41	0 20			n.a.
T 31	11n 4	4s 1	2n56	6n26	0n13	17n17	1n18	13s 2	1s 1	0s21	1s43	20s32	1s43	24n 0	0n24	21s 6	1n 6	3n51	13n40	7s 5	7s40	0n18			n.a.

Julian Day Number = 1545950.5, Delta T = 04h34m17s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'27, Lahiri = -10°35'27 Julian Calendar 1 Aug. 481 BCE == Greg. Calendar 27 July 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

SEPTEMBER 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 18 15	2♍32'31	28♓14	15♍58	17♌53	2♏ 2	2°R57	6°R32	6♋21	9♐40	22♎27	17°R45	19♎16	24♍22	n.a.	F 1
S 2	22 22 11	3°31'44	13♈10	17°32	19° 7	2°45	2♈51	6♒28	6°23	9°40	22°29	17°D44	19°13	24°29	n.a.	S 2
S 3	22 26 8	4°31'01	27°49	19° 5	20°22	3°28	2°45	6°24	6°26	9°40	22°30	17♎44	19°10	24°35	n.a.	S 3
M 4	22 30 4	5°30'20	12♉ 5	20°37	21°37	4°12	2°38	6°20	6°28	9°40	22°32	17°45	19° 7	24°42	n.a.	M 4
T 5	22 34 1	6°29'41	25°57	22° 9	22°52	4°55	2°32	6°16	6°30	9°41	22°34	17°47	19° 3	24°49	n.a.	T 5
W 6	22 37 57	7°29'05	9♊26	23°40	24° 7	5°38	2°25	6°13	6°33	9°41	22°36	17°R47	19° 0	24°55	n.a.	W 6
T 7	22 41 54	8°28'31	22°34	25°10	25°22	6°22	2°18	6° 9	6°35	9°41	22°38	17°46	18°57	25° 2	n.a.	T 7
F 8	22 45 50	9°27'59	5♋23	26°40	26°37	7° 5	2°11	6° 6	6°37	9°42	22°39	17°43	18°54	25° 9	n.a.	F 8
S 9	22 49 47	10°27'30	17°57	28° 8	27°52	7°49	2° 4	6° 2	6°39	9°42	22°41	17°39	18°51	25°15	n.a.	S 9
S 10	22 53 44	11°27'04	0♌18	29°36	29° 7	8°32	1°57	5°59	6°41	9°42	22°43	17°33	18°48	25°22	n.a.	S 10
M11	22 57 40	12°26'39	12°29	1♎ 3	0♍22	9°16	1°50	5°56	6°43	9°43	22°45	17°26	18°44	25°29	n.a.	M11
T 12	23 1 37	13°26'17	24°31	2°29	1°37	10° 0	1°43	5°53	6°45	9°43	22°47	17°20	18°41	25°35	n.a.	T 12
W13	23 5 33	14°25'57	6♍27	3°54	2°52	10°44	1°35	5°50	6°47	9°44	22°49	17°14	18°38	25°42	n.a.	W13
T 14	23 9 30	15°25'40	18°17	5°19	4° 8	11°28	1°28	5°47	6°49	9°45	22°51	17°10	18°35	25°49	n.a.	T 14
F 15	23 13 26	16°25'24	0♎ 5	6°43	5°23	12°12	1°20	5°44	6°51	9°45	22°53	17° 7	18°32	25°55	n.a.	F 15
S 16	23 17 23	17°25'10	11°52	8° 5	6°38	12°56	1°12	5°41	6°52	9°46	22°55	17°D 5	18°28	26° 2	n.a.	S 16
S 17	23 21 19	18°24'59	23°41	9°27	7°53	13°40	1° 5	5°38	6°54	9°46	22°57	17° 5	18°25	26° 9	n.a.	S 17
M18	23 25 16	19°24'49	5♏34	10°48	9° 9	14°25	0°57	5°35	6°56	9°47	22°59	17° 6	18°22	26°15	n.a.	M18
T 19	23 29 12	20°24'41	17°36	12° 7	10°24	15° 9	0°49	5°33	6°57	9°48	23° 1	17° 8	18°19	26°22	n.a.	T 19
W20	23 33 9	21°24'35	29°50	13°25	11°39	15°54	0°41	5°30	6°59	9°49	23° 4	17°10	18°16	26°29	n.a.	W20
T 21	23 37 6	22°24'31	12♐20	14°43	12°54	16°38	0°33	5°28	7° 1	9°49	23° 6	17°11	18°13	26°35	n.a.	T 21
F 22	23 41 2	23°24'29	25°12	15°58	14°10	17°23	0°25	5°25	7° 2	9°50	23° 8	17°R11	18° 9	26°42	n.a.	F 22
S 23	23 44 59	24°24'28	8♑28	17°13	15°25	18° 7	0°17	5°23	7° 3	9°51	23°10	17°11	18° 6	26°49	n.a.	S 23
S 24	23 48 55	25°24'30	22°11	18°25	16°40	18°52	0° 9	5°21	7° 5	9°52	23°12	17° 9	18° 3	26°55	n.a.	S 24
M25	23 52 52	26°24'32	6♒22	19°36	17°56	19°37	0° 1	5°19	7° 6	9°53	23°14	17° 7	18° 0	27° 2	n.a.	M25
T 26	23 56 48	27°24'37	20°59	20°45	19°11	20°22	29♓53	5°17	7° 7	9°54	23°17	17° 4	17°57	27° 9	n.a.	T 26
W27	0 0 45	28°24'43	5♓57	21°52	20°27	21° 7	29°44	5°15	7° 9	9°55	23°19	17° 1	17°54	27°15	n.a.	W27
T 28	0 4 41	29°24'51	21° 9	22°57	21°42	21°52	29°36	5°13	7°10	9°56	23°21	16°59	17°50	27°22	n.a.	T 28
F 29	0 8 38	0♎25'01	6♈24	23°58	22°57	22°37	29°28	5°12	7°11	9°57	23°23	16°58	17°47	27°28	n.a.	F 29
S 30	0 12 35	1♎25'13	21♈33	24♎57	24♍13	23♏22	29♓20	5♒10	7♋12	9♐58	23♎25	16°D58	17♎44	27♍35	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n42	0n52	1n44	5n42	0n 6	16n55	1n19	13s18	1s 2	0s23	1s43	20s33	1s43	24n 0	0n24	21s 6	1n 6	3n50	13n40	7s 3	7s38	0n17		n.a.
S 2	10 21	5 39	0 25	4 59	0s 1	16 33	1 20	13 34	1 2	0 26	1 43	20 34	1 43	24 0	0 24	21 6	1 6	3 49	13 39	7 3	7 37	0 15		n.a.
S 3	9 59	9 59	0s55	4 16	0 8	16 9	1 21	13 49	1 3	0 28	1 43	20 35	1 43	24 0	0 24	21 7	1 6	3 48	13 39	7 3	7 36	0 13		n.a.
M 4	9 37	13 37	2 8	3 32	0 15	15 46	1 22	14 4	1 3	0 31	1 44	20 36	1 43	24 0	0 24	21 7	1 6	3 47	13 39	7 3	7 35	0 11		n.a.
T 5	9 15	16 22	3 13	2 49	0 22	15 22	1 22	14 20	1 4	0 34	1 44	20 37	1 43	24 0	0 24	21 7	1 5	3 46	13 38	7 4	7 33	0 9		n.a.
W 6	8 52	18 8	4 4	2 6	0 29	14 58	1 23	14 35	1 4	0 37	1 44	20 38	1 43	23 59	0 24	21 7	1 5	3 45	13 38	7 4	7 32	0 7		n.a.
T 7	8 30	18 51	4 42	1 24	0 36	14 33	1 24	14 50	1 5	0 39	1 44	20 38	1 43	23 59	0 24	21 7	1 5	3 44	13 37	7 4	7 31	0 5		n.a.
F 8	8 7	18 35	5 4	0 41	0 43	14 7	1 24	15 5	1 5	0 42	1 44	20 39	1 43	23 59	0 24	21 7	1 5	3 43	13 37	7 2	7 30	0 3		n.a.
S 9	7 45	17 23	5 11	0s 1	0 50	13 42	1 25	15 20	1 6	0 45	1 44	20 40	1 43	23 59	0 24	21 7	1 5	3 42	13 37	7 1	7 29	0 1		n.a.
S 10	7 22	15 24	5 3	0 43	0 57	13 16	1 25	15 35	1 6	0 48	1 44	20 41	1 43	23 59	0 24	21 7	1 5	3 40	13 36	6 59	7 27	0s 1		n.a.
M11	6 59	12 46	4 42	1 24	1 4	12 49	1 26	15 50	1 7	0 51	1 44	20 42	1 43	23 59	0 24	21 7	1 5	3 39	13 36	6 56	7 26	0 3		n.a.
T 12	6 36	9 37	4 9	2 5	1 11	12 22	1 26	16 4	1 7	0 54	1 44	20 43	1 43	23 59	0 24	21 7	1 5	3 38	13 36	6 53	7 25	0 5		n.a.
W13	6 12	6 6	3 24	2 46	1 18	11 55	1 26	16 19	1 8	0 57	1 44	20 43	1 43	23 59	0 24	21 8	1 5	3 37	13 35	6 51	7 24	0 7		n.a.
T 14	5 49	2 22	2 31	3 26	1 25	11 28	1 27	16 33	1 8	1 0	1 45	20 44	1 43	23 59	0 24	21 8	1 5	3 36	13 35	6 49	7 22	0 9		n.a.
F 15	5 26	1s26	1 32	4 6	1 32	11 0	1 27	16 47	1 9	1 4	1 45	20 45	1 43	23 59	0 25	21 8	1 5	3 35	13 35	6 48	7 21	0 10		n.a.
S 16	5 2	5 11	0 29	4 45	1 39	10 32	1 27	17 1	1 9	1 7	1 45	20 45	1 43	23 59	0 25	21 8	1 5	3 34	13 34	6 48	7 20	0 12		n.a.
S 17	4 38	8 45	0n36	5 24	1 45	10 4	1 27	17 15	1 10	1 10	1 45	20 46	1 43	23 59	0 25	21 8	1 5	3 33	13 34	6 48	7 19	0 14		n.a.
M18	4 15	11 59	1 40	6 2	1 52	9 35	1 27	17 29	1 10	1 13	1 45	20 47	1 43	23 59	0 25	21 8	1 5	3 32	13 34	6 48	7 18	0 16		n.a.
T 19	3 51	14 44	2 40	6 39	1 58	9 6	1 27	17 43	1 10	1 16	1 45	20 47	1 43	23 59	0 25	21 8	1 5	3 31	13 33	6 49	7 16	0 18		n.a.
W20	3 27	16 53	3 34	7 16	2 4	8 37	1 27	17 56	1 11	1 19	1 45	20 48	1 43	23 58	0 25	21 9	1 5	3 30	13 33	6 50	7 15	0 20		n.a.
T 21	3 3	18 17	4 19	7 52	2 10	8 7	1 26	18 10	1 11	1 23	1 45	20 48	1 42	23 58	0 25	21 9	1 5	3 29	13 33	6 50	7 14	0 22		n.a.
F 22	2 39	18 47	4 53	8 26	2 15	7 38	1 26	18 23	1 12	1 26	1 45	20 49	1 42	23 58	0 25	21 9	1 5	3 28	13 32	6 50	7 13	0 24		n.a.
S 23	2 15	18 17	5 12	9 0	2 21	7 8	1 26	18 36	1 12	1 29	1 45	20 49	1 42	23 58	0 25	21 9	1 5	3 27	13 32	6 50	7 11	0 26		n.a.
S 24	1 51	16 43	5 15	9 33	2 26	6 38	1 25	18 49	1 12	1 32	1 45	20 50	1 42	23 58	0 25	21 9	1 5	3 26	13 32	6 49	7 10	0 28		n.a.
M25	1 27	14 7	4 58	10 5	2 31	6 8	1 25	19 2	1 13	1 36	1 45	20 50	1 42	23 58	0 25	21 9	1 5	3 25	13 32	6 48	7 9	0 30		n.a.
T 26	1 3	10 33	4 22	10 36	2 35	5 37	1 24	19 15	1 13	1 39	1 45	20 51	1 42	23 58	0 25	21 10	1 4	3 24	13 31	6 47	7 8	0 32		n.a.
W27	0 38	6 14	3 28	11 5	2 39	5 7	1 23	19 27	1 13	1 42	1 45	20 51	1 42	23 58	0 25	21 10	1 4	3 23	13 31	6 46	7 6	0 33		n.a.
T 28	0 14	1 26	2 18	11 33	2 43	4 36	1 23	19 39	1 14	1 45	1 45	20 51	1 42	23 58	0 25	21 10	1 4	3 22	13 31	6 46	7 5	0 35		n.a.
F 29	0s10	3n28	0 58	11 59	2 46	4 5	1 22	19 51	1 14	1 49	1 45	20 52	1 42	23 58	0 25	21 10	1 4	3 21	13 30	6 45	7 4	0 37		n.a.
S 30	0s34	8n 7	0s25	12s24	2s49	3n34	1n21	20s 3	1s14	1s52	1s45	20s52	1s42	23n58	0n25	21s10	1n 4	3n20	13n30	6s45	7s 3	0s39		n.a.

Julian Day Number = 1545981.5, Delta T = 04h34m16s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'23, Lahiri = -10°35'23 Julian Calendar 1 Sept. 481 BCE == Greg. Calendar 27 Aug. 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

OCTOBER 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 16 31	2♎25'27	6♉27	25♎53	25♍28	24♏ 7	29°R12	5°R 9	7♋13	9♐59	23♎28	16♎59	17♎41	27♍42	n.a.	S 1
M 2	0 20 28	3°25'43	20°59	26°45	26°44	24°52	29♓ 4	5♒ 7	7°14	10° 0	23°30	17° 0	17°38	27°48	n.a.	M 2
T 3	0 24 24	4°26'01	5♊ 4	27°33	27°59	25°38	28°56	5° 6	7°15	10° 1	23°32	17° 1	17°34	27°55	n.a.	T 3
W 4	0 28 21	5°26'22	18°43	28°16	29°15	26°23	28°48	5° 5	7°16	10° 2	23°35	17° 2	17°31	28° 2	n.a.	W 4
T 5	0 32 17	6°26'44	1♋56	28°55	0♎30	27° 8	28°40	5° 4	7°16	10° 4	23°37	17°R 2	17°28	28° 8	n.a.	T 5
F 6	0 36 14	7°27'09	14°46	29°28	1°46	27°54	28°32	5° 3	7°17	10° 5	23°39	17° 2	17°25	28°15	n.a.	F 6
S 7	0 40 10	8°27'36	27°16	29°54	3° 1	28°39	28°24	5° 2	7°18	10° 6	23°42	17° 2	17°22	28°22	n.a.	S 7
S 8	0 44 7	9°28'04	9♌30	0♏13	4°17	29°25	28°16	5° 1	7°18	10° 8	23°44	17° 1	17°19	28°28	n.a.	S 8
M 9	0 48 4	10°28'35	21°33	0°25	5°32	0♐10	28° 8	5° 1	7°19	10° 9	23°46	17° 0	17°15	28°35	n.a.	M 9
T 10	0 52 0	11°29'07	3♍27	0°R29	6°48	0°56	28° 0	5° 0	7°20	10°10	23°49	16°59	17°12	28°42	n.a.	T 10
W11	0 55 57	12°29'41	15°17	0°23	8° 3	1°42	27°53	5° 0	7°20	10°12	23°51	16°58	17° 9	28°48	n.a.	W11
T 12	0 59 53	13°30'17	27° 5	0° 8	9°19	2°28	27°45	5° 0	7°20	10°13	23°53	16°58	17° 6	28°55	n.a.	T 12
F 13	1 3 50	14°30'55	8♎53	29♎43	10°35	3°13	27°37	4°59	7°21	10°15	23°56	16°58	17° 3	29° 2	n.a.	F 13
S 14	1 7 46	15°31'35	20°43	29° 7	11°50	3°59	27°30	4°D59	7°21	10°16	23°58	16°D58	16°59	29° 8	n.a.	S 14
S 15	1 11 43	16°32'15	2♏39	28°22	13° 6	4°45	27°23	4°59	7°21	10°17	24° 1	16°R58	16°56	29°15	n.a.	S 15
M16	1 15 39	17°32'58	14°41	27°26	14°21	5°31	27°16	4°59	7°21	10°19	24° 3	16°58	16°53	29°22	n.a.	M16
T 17	1 19 36	18°33'42	26°52	26°21	15°37	6°17	27° 8	5° 0	7°22	10°21	24° 5	16°58	16°50	29°28	n.a.	T 17
W18	1 23 32	19°34'27	9♐15	25° 9	16°52	7° 3	27° 1	5° 0	7°22	10°22	24° 8	16°57	16°47	29°35	n.a.	W18
T 19	1 27 29	20°35'14	21°51	23°52	18° 8	7°49	26°55	5° 0	7°R22	10°24	24°10	16°57	16°44	29°42	n.a.	T 19
F 20	1 31 26	21°36'02	4♑44	22°31	19°24	8°36	26°48	5° 1	7°22	10°25	24°13	16°57	16°40	29°48	n.a.	F 20
S 21	1 35 22	22°36'50	17°56	21° 9	20°39	9°22	26°41	5° 2	7°22	10°27	24°15	16°D56	16°37	29°55	n.a.	S 21
S 22	1 39 19	23°37'40	1♒29	19°49	21°55	10° 8	26°35	5° 2	7°21	10°29	24°17	16°56	16°34	0♎ 2	n.a.	S 22
M23	1 43 15	24°38'31	15°26	18°35	23°10	10°54	26°28	5° 3	7°21	10°30	24°20	16°57	16°31	0° 8	n.a.	M23
T 24	1 47 12	25°39'23	29°44	17°27	24°26	11°41	26°22	5° 4	7°21	10°32	24°22	16°57	16°28	0°15	n.a.	T 24
W25	1 51 8	26°40'16	14♓23	16°28	25°42	12°27	26°16	5° 5	7°21	10°34	24°25	16°58	16°25	0°21	n.a.	W25
T 26	1 55 5	27°41'10	29°18	15°39	26°57	13°13	26°10	5° 7	7°20	10°36	24°27	16°59	16°21	0°28	n.a.	T 26
F 27	1 59 1	28°42'05	14♈22	15° 2	28°13	14° 0	26° 5	5° 8	7°20	10°37	24°29	16°R59	16°18	0°35	n.a.	F 27
S 28	2 2 58	29°43'01	29°25	14°36	29°28	14°46	25°59	5° 9	7°19	10°39	24°32	16°59	16°15	0°41	n.a.	S 28
S 29	2 6 55	0♏43'59	14♉21	14°22	0♏44	15°33	25°54	5°11	7°19	10°41	24°34	16°58	16°12	0°48	n.a.	S 29
M30	2 10 51	1°44'57	29° 0	14°D19	1°59	16°19	25°48	5°12	7°18	10°43	24°37	16°57	16° 9	0°55	n.a.	M30
T 31	2 14 48	2♏45'57	13♊16	14♎27	3♏15	17♐ 6	25♓43	5♒14	7♋18	10♐45	24♎39	16♎54	16♎ 5	1♎ 1	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	0s59	12n11	1s46	12s46	2s51	3n 3	1n20	20s15	1s15	1s55	1s45	20s52	1s42	23n58	0n25	21s11	1n 4	3n19	13n30	6s45	7s 2	0s41			n.a.
M 2	1 23	15 23	2 58	13 7	2 53	2 32	1 19	20 27	1 15	1 58	1 44	20 52	1 42	23 58	0 25	21 11	1 4	3 18	13 30	6 46	7 0	0 43			n.a.
T 3	1 47	17 33	3 57	13 25	2 53	2 0	1 18	20 38	1 15	2 1	1 44	20 53	1 42	23 58	0 25	21 11	1 4	3 17	13 30	6 46	6 59	0 45			n.a.
W 4	2 11	18 37	4 40	13 41	2 53	1 29	1 17	20 49	1 16	2 5	1 44	20 53	1 41	23 58	0 25	21 11	1 4	3 16	13 29	6 46	6 58	0 47			n.a.
T 5	2 35	18 38	5 7	13 55	2 52	0 57	1 16	21 0	1 16	2 8	1 44	20 53	1 41	23 58	0 25	21 12	1 4	3 15	13 29	6 47	6 57	0 49			n.a.
F 6	3 0	17 40	5 17	14 5	2 51	0 26	1 15	21 11	1 16	2 11	1 44	20 53	1 41	23 58	0 25	21 12	1 4	3 14	13 29	6 47	6 55	0 51			n.a.
S 7	3 24	15 52	5 13	14 11	2 48	0s 6	1 14	21 22	1 16	2 14	1 44	20 53	1 41	23 58	0 25	21 12	1 4	3 13	13 29	6 46	6 54	0 53			n.a.
S 8	3 48	13 23	4 54	14 15	2 44	0 37	1 12	21 32	1 17	2 17	1 44	20 53	1 41	23 58	0 25	21 12	1 4	3 11	13 29	6 46	6 53	0 55			n.a.
M 9	4 12	10 22	4 22	14 14	2 38	1 9	1 11	21 42	1 17	2 20	1 44	20 54	1 41	23 58	0 25	21 12	1 4	3 10	13 28	6 46	6 52	0 56			n.a.
T 10	4 36	6 58	3 39	14 9	2 31	1 40	1 10	21 52	1 17	2 23	1 44	20 54	1 41	23 58	0 25	21 13	1 4	3 9	13 28	6 45	6 50	0 58			n.a.
W11	5 0	3 18	2 47	13 59	2 23	2 12	1 8	22 2	1 17	2 26	1 43	20 54	1 41	23 58	0 25	21 13	1 4	3 9	13 28	6 45	6 49	1 0			n.a.
T 12	5 24	0s29	1 48	13 44	2 13	2 43	1 7	22 11	1 17	2 29	1 43	20 54	1 41	23 58	0 25	21 13	1 4	3 8	13 28	6 45	6 48	1 2			n.a.
F 13	5 48	4 15	0 45	13 24	2 2	3 15	1 5	22 21	1 18	2 32	1 43	20 53	1 41	23 58	0 25	21 13	1 4	3 7	13 28	6 45	6 47	1 4			n.a.
S 14	6 11	7 52	0n21	12 59	1 48	3 46	1 4	22 30	1 18	2 35	1 43	20 53	1 40	23 58	0 25	21 14	1 4	3 6	13 28	6 45	6 46	1 6			n.a.
S 15	6 35	11 12	1 26	12 29	1 33	4 17	1 2	22 38	1 18	2 37	1 43	20 53	1 40	23 58	0 25	21 14	1 4	3 5	13 28	6 45	6 44	1 8			n.a.
M16	6 59	14 6	2 28	11 53	1 16	4 48	1 0	22 47	1 18	2 40	1 43	20 53	1 40	23 58	0 25	21 14	1 4	3 4	13 27	6 45	6 43	1 10			n.a.
T 17	7 22	16 24	3 24	11 12	0 58	5 20	0 58	22 55	1 18	2 43	1 42	20 53	1 40	23 58	0 26	21 14	1 4	3 3	13 27	6 45	6 42	1 12			n.a.
W18	7 45	17 59	4 12	10 28	0 39	5 51	0 57	23 3	1 18	2 45	1 42	20 53	1 40	23 58	0 26	21 15	1 4	3 2	13 27	6 45	6 41	1 14			n.a.
T 19	8 8	18 42	4 48	9 40	0 19	6 21	0 55	23 11	1 18	2 48	1 42	20 53	1 40	23 58	0 26	21 15	1 4	3 1	13 27	6 45	6 39	1 16			n.a.
F 20	8 32	18 29	5 11	8 50	0n 2	6 52	0 53	23 19	1 19	2 50	1 42	20 52	1 40	23 58	0 26	21 15	1 4	3 0	13 27	6 44	6 38	1 17			n.a.
S 21	8 55	17 17	5 18	8 0	0 23	7 23	0 51	23 26	1 19	2 53	1 41	20 52	1 40	23 58	0 26	21 16	1 3	2 59	13 27	6 44	6 37	1 19			n.a.
S 22	9 17	15 5	5 8	7 12	0 43	7 53	0 49	23 33	1 19	2 55	1 41	20 52	1 40	23 58	0 26	21 16	1 3	2 58	13 27	6 44	6 36	1 21			n.a.
M23	9 40	11 58	4 40	6 25	1 2	8 23	0 47	23 40	1 19	2 58	1 41	20 52	1 40	23 58	0 26	21 16	1 3	2 57	13 27	6 45	6 34	1 23			n.a.
T 24	10 3	8 4	3 54	5 43	1 19	8 53	0 45	23 47	1 19	3 0	1 41	20 51	1 39	23 58	0 26	21 16	1 3	2 56	13 27	6 45	6 33	1 25			n.a.
W25	10 25	3 35	2 52	5 5	1 35	9 23	0 43	23 53	1 19	3 2	1 41	20 51	1 39	23 58	0 26	21 17	1 3	2 55	13 27	6 45	6 32	1 27			n.a.
T 26	10 47	1n12	1 37	4 34	1 50	9 53	0 41	23 59	1 19	3 4	1 40	20 50	1 39	23 58	0 26	21 17	1 3	2 54	13 27	6 45	6 31	1 29			n.a.
F 27	11 9	5 57	0 15	4 8	2 2	10 22	0 39	24 5	1 19	3 6	1 40	20 50	1 39	23 58	0 26	21 17	1 3	2 53	13 27	6 46	6 30	1 31			n.a.
S 28	11 31	10 21	1s 9	3 49	2 12	10 51	0 37	24 11	1 19	3 8	1 40	20 50	1 39	23 59	0 26	21 18	1 3	2 53	13 27	6 45	6 28	1 33			n.a.
S 29	11 53	14 2	2 26	3 36	2 20	11 20	0 35	24 16	1 19	3 10	1 40	20 49	1 39	23 59	0 26	21 18	1 3	2 52	13 27	6 45	6 27	1 35			n.a.
M30	12 14	16 44	3 33	3 29	2 26	11 49	0 33	24 21	1 19	3 12	1 39	20 49	1 39	23 59	0 26	21 18	1 3	2 51	13 27	6 44	6 26	1 36			n.a.
T 31	12s35	18n19	4s24	3s28	2n30	12s17	0n30	24s26	1s19	3s14	1s39	20s48	1s39	23n59	0n26	21s18	1n 3	2n50	13n27	6s44	6s25	1s38			n.a.

Julian Day Number = 1546011.5, Delta T = 04h34m15s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'19, Lahiri = -10°35'19 Julian Calendar 1 Oct. 481 BCE == Greg. Calendar 26 Sept. 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

NOVEMBER 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 18 44	3♏46'58	27♊ 5	14♎44	4♏31	17♐52	25°R39	5♒16	7°R17	10♐47	24♎41	16°R52	16♎ 2	1♎ 8	n.a.	W 1
T 2	2 22 41	4°48'01	10♋27	15°10	5°46	18°39	25♓34	5°18	7♋16	10°49	24°44	16♎50	15°59	1°15	n.a.	T 2
F 3	2 26 37	5°49'04	23°23	15°44	7° 2	19°25	25°29	5°20	7°15	10°51	24°46	16°49	15°56	1°21	n.a.	F 3
S 4	2 30 34	6°50'09	5♌56	16°25	8°17	20°12	25°25	5°22	7°14	10°52	24°48	16°D48	15°53	1°28	n.a.	S 4
S 5	2 34 30	7°51'15	18°11	17°13	9°33	20°59	25°21	5°24	7°14	10°54	24°51	16°49	15°50	1°35	n.a.	S 5
M 6	2 38 27	8°52'22	0♍12	18° 6	10°48	21°45	25°17	5°27	7°13	10°56	24°53	16°50	15°46	1°41	n.a.	M 6
T 7	2 42 24	9°53'30	12° 3	19° 4	12° 4	22°32	25°13	5°29	7°12	10°58	24°55	16°52	15°43	1°48	n.a.	T 7
W 8	2 46 20	10°54'39	23°50	20° 6	13°19	23°19	25° 9	5°32	7°10	11° 0	24°58	16°53	15°40	1°55	n.a.	W 8
T 9	2 50 17	11°55'50	5♎37	21°12	14°35	24° 6	25° 6	5°34	7° 9	11° 2	25° 0	16°55	15°37	2° 1	n.a.	T 9
F 10	2 54 13	12°57'01	17°28	22°21	15°51	24°52	25° 3	5°37	7° 8	11° 5	25° 2	16°R55	15°34	2° 8	n.a.	F 10
S 11	2 58 10	13°58'12	29°25	23°33	17° 6	25°39	25° 0	5°40	7° 7	11° 7	25° 5	16°55	15°31	2°14	n.a.	S 11
S 12	3 2 6	14°59'25	11♏30	24°48	18°22	26°26	24°57	5°43	7° 6	11° 9	25° 7	16°52	15°27	2°21	n.a.	S 12
M13	3 6 3	16° 0'38	23°46	26° 4	19°37	27°13	24°54	5°46	7° 4	11°11	25° 9	16°49	15°24	2°28	n.a.	M13
T 14	3 9 59	17° 1'52	6♐14	27°23	20°53	28° 0	24°52	5°49	7° 3	11°13	25°12	16°44	15°21	2°34	n.a.	T 14
W15	3 13 56	18° 3'06	18°54	28°43	22° 8	28°47	24°50	5°52	7° 2	11°15	25°14	16°38	15°18	2°41	n.a.	W15
T 16	3 17 53	19° 4'21	1♑46	0♏ 4	23°24	29°33	24°48	5°55	7° 0	11°17	25°16	16°33	15°15	2°48	n.a.	T 16
F 17	3 21 49	20° 5'36	14°52	1°27	24°39	0♑20	24°46	5°59	6°59	11°19	25°18	16°28	15°11	2°54	n.a.	F 17
S 18	3 25 46	21° 6'51	28°11	2°51	25°55	1° 7	24°44	6° 2	6°57	11°21	25°21	16°24	15° 8	3° 1	n.a.	S 18
S 19	3 29 42	22° 8'06	11♒44	4°16	27°10	1°54	24°43	6° 6	6°56	11°24	25°23	16°22	15° 5	3° 8	n.a.	S 19
M20	3 33 39	23° 9'21	25°32	5°41	28°26	2°41	24°42	6°10	6°54	11°26	25°25	16°D21	15° 2	3°14	n.a.	M20
T 21	3 37 35	24°10'36	9♓35	7° 7	29°41	3°28	24°41	6°14	6°52	11°28	25°27	16°22	14°59	3°21	n.a.	T 21
W22	3 41 32	25°11'51	23°52	8°34	0♐57	4°15	24°40	6°17	6°50	11°30	25°29	16°23	14°56	3°28	n.a.	W22
T 23	3 45 29	26°13'06	8♈22	10° 2	2°12	5° 2	24°39	6°21	6°49	11°32	25°31	16°25	14°52	3°34	n.a.	T 23
F 24	3 49 25	27°14'21	23° 0	11°30	3°27	5°49	24°39	6°25	6°47	11°35	25°34	16°R25	14°49	3°41	n.a.	F 24
S 25	3 53 22	28°15'35	7♉42	12°59	4°43	6°36	24°D39	6°30	6°45	11°37	25°36	16°23	14°46	3°48	n.a.	S 25
S 26	3 57 18	29°16'50	22°21	14°28	5°58	7°23	24°39	6°34	6°43	11°39	25°38	16°19	14°43	3°54	n.a.	S 26
M27	4 1 15	0♐18'05	6♊50	15°58	7°14	8°10	24°39	6°38	6°41	11°41	25°40	16°13	14°40	4° 1	n.a.	M27
T 28	4 5 11	1°19'20	21° 2	17°28	8°29	8°57	24°40	6°43	6°39	11°43	25°42	16° 6	14°36	4° 8	n.a.	T 28
W29	4 9 8	2°20'35	4♋53	18°58	9°45	9°44	24°41	6°47	6°37	11°46	25°44	15°58	14°33	4°14	n.a.	W29
T 30	4 13 4	3♐21'50	18♋19	20♏29	11♐ 0	10♑31	24♓42	6♒52	6♋35	11♐48	25♎46	15♎50	14♎30	4♎21	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s56	18n45	4s58	3s32	2n33	12s45	0n28	24s30	1s19	3s16	1s39	20s47	1s39	23n59	0n26	21s19	1n 3	2n49	13n27	6s43	6s23	1s40		n.a.
T 2	13 17	18 6	5 15	3 41	2 35	13 13	0 26	24 35	1 19	3 17	1 38	20 47	1 38	23 59	0 26	21 19	1 3	2 48	13 27	6 42	6 22	1 42		n.a.
F 3	13 38	16 32	5 14	3 54	2 35	13 40	0 24	24 39	1 19	3 19	1 38	20 46	1 38	23 59	0 26	21 19	1 3	2 47	13 27	6 41	6 21	1 44		n.a.
S 4	13 58	14 12	4 59	4 10	2 34	14 7	0 21	24 42	1 19	3 20	1 38	20 46	1 38	23 59	0 26	21 20	1 3	2 47	13 27	6 41	6 20	1 46		n.a.
S 5	14 19	11 17	4 30	4 31	2 32	14 34	0 19	24 46	1 19	3 22	1 38	20 45	1 38	23 59	0 26	21 20	1 3	2 46	13 27	6 41	6 18	1 48		n.a.
M 6	14 38	7 58	3 50	4 54	2 29	15 0	0 17	24 49	1 19	3 23	1 37	20 44	1 38	23 59	0 26	21 20	1 3	2 45	13 27	6 42	6 17	1 50		n.a.
T 7	14 58	4 21	3 1	5 19	2 26	15 26	0 14	24 51	1 19	3 24	1 37	20 44	1 38	23 59	0 26	21 21	1 3	2 44	13 27	6 42	6 16	1 52		n.a.
W 8	15 18	0 35	2 4	5 47	2 21	15 51	0 12	24 54	1 19	3 25	1 37	20 43	1 38	23 59	0 26	21 21	1 3	2 43	13 27	6 43	6 15	1 54		n.a.
T 9	15 37	3s12	1 2	6 16	2 17	16 16	0 10	24 56	1 19	3 27	1 36	20 42	1 38	23 59	0 26	21 21	1 3	2 43	13 27	6 44	6 13	1 55		n.a.
F 10	15 56	6 54	0n 3	6 47	2 11	16 41	0 7	24 58	1 19	3 28	1 36	20 41	1 38	24 0	0 26	21 21	1 3	2 42	13 27	6 44	6 12	1 57		n.a.
S 11	16 14	10 21	1 8	7 19	2 6	17 5	0 5	25 0	1 19	3 28	1 36	20 40	1 38	24 0	0 26	21 22	1 3	2 41	13 27	6 44	6 11	1 59		n.a.
S 12	16 33	13 24	2 11	7 52	2 0	17 29	0 3	25 1	1 19	3 29	1 35	20 40	1 37	24 0	0 26	21 22	1 3	2 40	13 27	6 43	6 10	2 1		n.a.
M13	16 51	15 55	3 9	8 26	1 53	17 52	0 0	25 2	1 19	3 30	1 35	20 39	1 37	24 0	0 26	21 22	1 3	2 40	13 27	6 41	6 8	2 3		n.a.
T 14	17 8	17 43	3 58	9 1	1 47	18 15	0s 2	25 3	1 19	3 31	1 35	20 38	1 37	24 0	0 26	21 23	1 3	2 39	13 27	6 39	6 7	2 5		n.a.
W15	17 26	18 41	4 37	9 36	1 40	18 37	0 5	25 3	1 19	3 31	1 34	20 37	1 37	24 0	0 26	21 23	1 3	2 38	13 27	6 37	6 6	2 7		n.a.
T 16	17 43	18 42	5 2	10 11	1 33	18 59	0 7	25 4	1 19	3 32	1 34	20 36	1 37	24 0	0 26	21 23	1 3	2 37	13 27	6 35	6 5	2 9		n.a.
F 17	18 0	17 44	5 12	10 47	1 26	19 20	0 9	25 3	1 18	3 32	1 34	20 35	1 37	24 0	0 26	21 24	1 3	2 37	13 28	6 33	6 3	2 10		n.a.
S 18	18 16	15 48	5 6	11 23	1 19	19 40	0 12	25 3	1 18	3 33	1 33	20 34	1 37	24 0	0 26	21 24	1 3	2 36	13 28	6 32	6 2	2 12		n.a.
S 19	18 32	12 58	4 42	11 59	1 12	20 1	0 14	25 2	1 18	3 33	1 33	20 33	1 37	24 0	0 27	21 24	1 3	2 35	13 28	6 31	6 1	2 14		n.a.
M20	18 48	9 22	4 2	12 35	1 4	20 20	0 16	25 1	1 18	3 33	1 33	20 32	1 37	24 1	0 27	21 25	1 3	2 35	13 28	6 31	6 0	2 16		n.a.
T 21	19 4	5 11	3 7	13 10	0 57	20 39	0 19	25 0	1 18	3 33	1 32	20 31	1 37	24 1	0 27	21 25	1 3	2 34	13 28	6 31	5 59	2 18		n.a.
W22	19 19	0 38	2 0	13 46	0 50	20 58	0 21	24 59	1 18	3 33	1 32	20 30	1 36	24 1	0 27	21 25	1 3	2 34	13 28	6 32	5 57	2 20		n.a.
T 23	19 33	4n 2	0 44	14 21	0 42	21 15	0 23	24 57	1 18	3 33	1 32	20 29	1 36	24 1	0 27	21 26	1 3	2 33	13 28	6 32	5 56	2 22		n.a.
F 24	19 48	8 30	0s36	14 55	0 35	21 32	0 26	24 55	1 17	3 33	1 31	20 28	1 36	24 1	0 27	21 26	1 3	2 32	13 29	6 32	5 55	2 24		n.a.
S 25	20 2	12 29	1 53	15 30	0 28	21 49	0 28	24 52	1 17	3 32	1 31	20 27	1 36	24 1	0 27	21 26	1 2	2 32	13 29	6 31	5 54	2 26		n.a.
S 26	20 15	15 39	3 2	16 4	0 21	22 5	0 30	24 49	1 17	3 32	1 31	20 25	1 36	24 1	0 27	21 27	1 2	2 31	13 29	6 30	5 52	2 27		n.a.
M27	20 29	17 48	3 59	16 37	0 13	22 20	0 33	24 46	1 17	3 32	1 30	20 24	1 36	24 1	0 27	21 27	1 2	2 31	13 29	6 28	5 51	2 29		n.a.
T 28	20 42	18 47	4 40	17 10	0 6	22 35	0 35	24 43	1 17	3 31	1 30	20 23	1 36	24 2	0 27	21 27	1 2	2 30	13 29	6 25	5 50	2 31		n.a.
W29	20 54	18 37	5 3	17 42	0s 1	22 49	0 37	24 40	1 16	3 31	1 30	20 22	1 36	24 2	0 27	21 28	1 2	2 30	13 29	6 21	5 49	2 33		n.a.
T 30	21s 6	17n23	5s 8	18s14	0s 8	23s 2	0s39	24s36	1s16	3s30	1s29	20s21	1s36	24n 2	0n27	21s28	1n 2	2n29	13n30	6s18	5s47	2s35		n.a.

Julian Day Number = 1546042.5, Delta T = 04h34m13s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'15, Lahiri = -10°35'15 Julian Calendar 1 Nov. 481 BCE == Greg. Calendar 27 Oct. 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 481 BCE
geocentric

DECEMBER 481 BCE (-480) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 17 1	4♐23'05	1♌20	22♏ 0	12♐15	11♑18	24♓43	6♒56	6°R33	11♐50	25♎48	15°R43	14♎27	4♎27	n.a.	F 1
S 2	4 20 58	5°24'21	13°58	23°32	13°31	12° 5	24°44	7° 1	6♋31	11°52	25°50	15♎39	14°24	4°34	n.a.	S 2
S 3	4 24 54	6°25'36	26°16	25° 4	14°46	12°52	24°46	7° 6	6°29	11°55	25°52	15°36	14°21	4°41	n.a.	S 3
M 4	4 28 51	7°26'51	8♍18	26°36	16° 1	13°39	24°47	7°11	6°27	11°57	25°54	15°D35	14°17	4°47	n.a.	M 4
T 5	4 32 47	8°28'07	20°10	28° 9	17°17	14°26	24°49	7°16	6°25	11°59	25°56	15°36	14°14	4°54	n.a.	T 5
W 6	4 36 44	9°29'22	1♎57	29°42	18°32	15°13	24°51	7°21	6°22	12° 2	25°58	15°37	14°11	5° 1	n.a.	W 6
T 7	4 40 40	10°30'37	13°45	1♐16	19°47	15°59	24°54	7°26	6°20	12° 4	26° 0	15°R38	14° 8	5° 7	n.a.	T 7
F 8	4 44 37	11°31'52	25°38	2°50	21° 3	16°46	24°56	7°31	6°18	12° 6	26° 1	15°37	14° 5	5°14	n.a.	F 8
S 9	4 48 33	12°33'07	7♏41	4°24	22°18	17°33	24°59	7°36	6°16	12° 8	26° 3	15°35	14° 2	5°21	n.a.	S 9
S 10	4 52 30	13°34'21	19°57	5°59	23°33	18°20	25° 2	7°42	6°13	12°11	26° 5	15°29	13°58	5°27	n.a.	S 10
M11	4 56 27	14°35'35	2♐27	7°34	24°49	19° 7	25° 5	7°47	6°11	12°13	26° 7	15°22	13°55	5°34	n.a.	M11
T 12	5 0 23	15°36'49	15°13	9°10	26° 4	19°54	25° 8	7°52	6° 8	12°15	26° 9	15°12	13°52	5°41	n.a.	T 12
W13	5 4 20	16°38'02	28°15	10°46	27°19	20°41	25°12	7°58	6° 6	12°17	26°10	15° 0	13°49	5°47	n.a.	W13
T 14	5 8 16	17°39'14	11♑32	12°23	28°34	21°28	25°16	8° 4	6° 4	12°20	26°12	14°49	13°46	5°54	n.a.	T 14
F 15	5 12 13	18°40'26	25° 0	14° 0	29°50	22°15	25°20	8° 9	6° 1	12°22	26°14	14°38	13°42	6° 1	n.a.	F 15
S 16	5 16 9	19°41'37	8♒39	15°38	1♑ 5	23° 2	25°24	8°15	5°59	12°24	26°15	14°30	13°39	6° 7	n.a.	S 16
S 17	5 20 6	20°42'46	22°26	17°16	2°20	23°49	25°28	8°21	5°56	12°27	26°17	14°24	13°36	6°14	n.a.	S 17
M18	5 24 3	21°43'55	6♓20	18°55	3°35	24°35	25°32	8°27	5°54	12°29	26°19	14°21	13°33	6°20	n.a.	M18
T 19	5 27 59	22°45'03	20°20	20°35	4°50	25°22	25°37	8°33	5°51	12°31	26°20	14°D20	13°30	6°27	n.a.	T 19
W20	5 31 56	23°46'09	4♈25	22°15	6° 5	26° 9	25°42	8°39	5°49	12°33	26°22	14°20	13°27	6°34	n.a.	W20
T 21	5 35 52	24°47'14	18°34	23°55	7°21	26°56	25°47	8°45	5°46	12°36	26°23	14°R20	13°23	6°40	n.a.	T 21
F 22	5 39 49	25°48'18	2♉47	25°37	8°36	27°43	25°52	8°51	5°44	12°38	26°25	14°19	13°20	6°47	n.a.	F 22
S 23	5 43 45	26°49'20	17° 1	27°18	9°51	28°29	25°58	8°57	5°41	12°40	26°26	14°15	13°17	6°54	n.a.	S 23
S 24	5 47 42	27°50'22	1♊13	29° 1	11° 6	29°16	26° 3	9° 3	5°38	12°42	26°27	14° 8	13°14	7° 0	n.a.	S 24
M25	5 51 38	28°51'22	15°18	0♑44	12°21	0♒ 3	26° 9	9° 9	5°36	12°44	26°29	13°59	13°11	7° 7	n.a.	M25
T 26	5 55 35	29°52'22	29°11	2°27	13°36	0°49	26°15	9°16	5°33	12°47	26°30	13°47	13° 8	7°14	n.a.	T 26
W27	5 59 32	0♑53'20	12♋49	4°12	14°51	1°36	26°21	9°22	5°31	12°49	26°32	13°35	13° 4	7°20	n.a.	W27
T 28	6 3 28	1°54'17	26° 8	5°56	16° 6	2°23	26°27	9°29	5°28	12°51	26°33	13°22	13° 1	7°27	n.a.	T 28
F 29	6 7 25	2°55'13	9♌ 5	7°42	17°21	3° 9	26°34	9°35	5°25	12°53	26°34	13°11	12°58	7°34	n.a.	F 29
S 30	6 11 21	3°56'08	21°43	9°27	18°36	3°56	26°40	9°42	5°23	12°55	26°35	13° 2	12°55	7°40	n.a.	S 30
S 31	6 15 18	4♑57'02	4♍ 1	11♑14	19♑51	4♒43	26♓47	9♒48	5♋20	12♐57	26♎37	12♎56	12♎52	7♎47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s18	15n17	4s57	18s44	0s15	23s14	0s41	24s31	1s16	3s29	1s29	20s19	1s36	24n 2	0n27	21s28	1n 2	2n28	13n30	6s16	5s46	2s37		n.a.
S 2	21 29	12 31	4 32	19 15	0 21	23 26	0 44	24 27	1 16	3 28	1 29	20 18	1 36	24 2	0 27	21 29	1 2	2 28	13 30	6 14	5 45	2 39		n.a.
S 3	21 40	9 15	3 55	19 44	0 28	23 37	0 46	24 22	1 15	3 27	1 28	20 17	1 36	24 2	0 27	21 29	1 2	2 27	13 30	6 13	5 44	2 41		n.a.
M 4	21 50	5 40	3 7	20 12	0 34	23 48	0 48	24 17	1 15	3 26	1 28	20 15	1 35	24 2	0 27	21 29	1 2	2 27	13 31	6 13	5 42	2 42		n.a.
T 5	22 0	1 55	2 13	20 40	0 41	23 57	0 50	24 12	1 15	3 25	1 28	20 14	1 35	24 2	0 27	21 29	1 2	2 27	13 31	6 13	5 41	2 44		n.a.
W 6	22 10	1s54	1 13	21 7	0 47	24 6	0 52	24 6	1 15	3 24	1 27	20 13	1 35	24 3	0 27	21 30	1 2	2 26	13 31	6 14	5 40	2 46		n.a.
T 7	22 19	5 39	0 10	21 33	0 53	24 15	0 54	24 1	1 14	3 23	1 27	20 11	1 35	24 3	0 27	21 30	1 2	2 26	13 31	6 14	5 39	2 48		n.a.
F 8	22 28	9 12	0n54	21 57	0 59	24 22	0 56	23 55	1 14	3 22	1 27	20 10	1 35	24 3	0 27	21 30	1 2	2 25	13 31	6 14	5 37	2 50		n.a.
S 9	22 36	12 26	1 56	22 21	1 4	24 29	0 58	23 48	1 14	3 20	1 26	20 8	1 35	24 3	0 27	21 31	1 2	2 25	13 32	6 13	5 36	2 52		n.a.
S 10	22 44	15 11	2 53	22 44	1 10	24 35	0 59	23 41	1 14	3 19	1 26	20 7	1 35	24 3	0 27	21 31	1 2	2 24	13 32	6 11	5 35	2 54		n.a.
M11	22 51	17 16	3 43	23 5	1 15	24 40	1 1	23 35	1 13	3 17	1 26	20 5	1 35	24 3	0 27	21 31	1 2	2 24	13 32	6 7	5 34	2 56		n.a.
T 12	22 58	18 33	4 24	23 26	1 20	24 44	1 3	23 27	1 13	3 15	1 25	20 4	1 35	24 3	0 27	21 32	1 2	2 24	13 33	6 4	5 32	2 57		n.a.
W13	23 4	18 53	4 51	23 45	1 25	24 48	1 5	23 20	1 13	3 14	1 25	20 2	1 35	24 4	0 27	21 32	1 2	2 23	13 33	5 59	5 31	2 59		n.a.
T 14	23 10	18 13	5 3	24 3	1 30	24 51	1 6	23 12	1 12	3 12	1 25	20 1	1 35	24 4	0 27	21 32	1 2	2 23	13 33	5 55	5 30	3 1		n.a.
F 15	23 16	16 31	4 59	24 20	1 34	24 53	1 8	23 4	1 12	3 10	1 24	19 59	1 35	24 4	0 27	21 33	1 2	2 23	13 33	5 51	5 29	3 3		n.a.
S 16	23 21	13 52	4 37	24 35	1 38	24 54	1 10	22 56	1 12	3 8	1 24	19 58	1 35	24 4	0 27	21 33	1 2	2 22	13 34	5 47	5 27	3 5		n.a.
S 17	23 25	10 26	4 0	24 49	1 42	24 55	1 11	22 48	1 11	3 6	1 24	19 56	1 35	24 4	0 27	21 33	1 2	2 22	13 34	5 45	5 26	3 7		n.a.
M18	23 29	6 24	3 8	25 2	1 45	24 55	1 13	22 39	1 11	3 4	1 23	19 54	1 35	24 4	0 27	21 33	1 2	2 22	13 34	5 44	5 25	3 9		n.a.
T 19	23 33	1 59	2 4	25 13	1 49	24 54	1 14	22 30	1 11	3 2	1 23	19 53	1 35	24 4	0 27	21 34	1 2	2 22	13 35	5 43	5 24	3 10		n.a.
W20	23 36	2n35	0 53	25 23	1 52	24 52	1 16	22 21	1 10	2 59	1 23	19 51	1 34	24 4	0 27	21 34	1 2	2 21	13 35	5 43	5 22	3 12		n.a.
T 21	23 39	7 1	0s23	25 31	1 54	24 49	1 17	22 11	1 10	2 57	1 22	19 50	1 34	24 5	0 27	21 34	1 2	2 21	13 35	5 43	5 21	3 14		n.a.
F 22	23 41	11 5	1 36	25 37	1 56	24 46	1 18	22 2	1 10	2 55	1 22	19 48	1 34	24 5	0 27	21 35	1 2	2 21	13 36	5 43	5 20	3 16		n.a.
S 23	23 43	14 31	2 44	25 42	1 58	24 42	1 19	21 52	1 9	2 52	1 22	19 46	1 34	24 5	0 27	21 35	1 2	2 21	13 36	5 41	5 19	3 18		n.a.
S 24	23 44	17 3	3 42	25 45	2 0	24 37	1 21	21 41	1 9	2 50	1 21	19 44	1 34	24 5	0 27	21 35	1 2	2 21	13 36	5 39	5 17	3 20		n.a.
M25	23 45	18 32	4 25	25 46	2 1	24 31	1 22	21 31	1 8	2 47	1 21	19 43	1 34	24 5	0 27	21 36	1 2	2 20	13 37	5 35	5 16	3 22		n.a.
T 26	23 45	18 53	4 52	25 45	2 2	24 25	1 23	21 20	1 8	2 45	1 21	19 41	1 34	24 5	0 27	21 36	1 2	2 20	13 37	5 30	5 15	3 23		n.a.
W27	23 45	18 8	5 1	25 43	2 2	24 18	1 24	21 10	1 8	2 42	1 20	19 39	1 34	24 5	0 27	21 36	1 2	2 20	13 37	5 25	5 14	3 25		n.a.
T 28	23 44	16 23	4 54	25 38	2 2	24 10	1 25	20 59	1 7	2 39	1 20	19 37	1 34	24 5	0 27	21 36	1 2	2 20	13 38	5 21	5 12	3 27		n.a.
F 29	23 43	13 51	4 31	25 32	2 1	24 1	1 26	20 47	1 7	2 36	1 20	19 36	1 34	24 6	0 27	21 37	1 2	2 20	13 38	5 16	5 11	3 29		n.a.
S 30	23 41	10 44	3 56	25 24	2 0	23 52	1 26	20 36	1 6	2 33	1 20	19 34	1 34	24 6	0 27	21 37	1 2	2 20	13 38	5 13	5 10	3 31		n.a.
S 31	23s39	7n13	3s10	25s14	1s58	23s42	1s27	20s24	1s 6	2s30	1s19	19s32	1s34	24n 6	0n27	21s37	1n 2	2n20	13n39	5s10	5s 9	3s33		n.a.

Julian Day Number = 1546072.5, Delta T = 04h34m12s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'11, Lahiri = -10°35'10 Julian Calendar 1 Dec. 481 BCE == Greg. Calendar 26 Nov. 481 BCE

The year -480 astronomical counting style corresponds to year 481 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

JANUARY 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 19 14	5♉57'55	16♍ 5	13♉ 0	21♉ 6	5♒29	26♓54	9♒55	5°R18	13♐ 0	26♎38	12°R52	12♎48	7♎54	n.a.	M 1
T 2	6 23 11	6°58'46	27°58	14°47	22°21	6°16	27° 1	10° 1	5♋15	13° 2	26°39	12♎51	12°45	8° 0	n.a.	T 2
W 3	6 27 7	7°59'37	9♎46	16°35	23°36	7° 2	27° 8	10° 8	5°12	13° 4	26°40	12°50	12°42	8° 7	n.a.	W 3
T 4	6 31 4	9° 0'27	21°34	18°22	24°51	7°49	27°15	10°15	5°10	13° 6	26°41	12°50	12°39	8°13	n.a.	T 4
F 5	6 35 1	10° 1'15	3♏29	20° 9	26° 5	8°35	27°23	10°22	5° 7	13° 8	26°42	12°49	12°36	8°20	n.a.	F 5
S 6	6 38 57	11° 2'02	15°34	21°56	27°20	9°21	27°31	10°28	5° 4	13°10	26°43	12°46	12°33	8°27	n.a.	S 6
S 7	6 42 54	12° 2'49	27°55	23°43	28°35	10° 8	27°38	10°35	5° 2	13°12	26°44	12°40	12°29	8°33	n.a.	S 7
M 8	6 46 50	13° 3'33	10♐36	25°29	29°50	10°54	27°46	10°42	4°59	13°14	26°45	12°31	12°26	8°40	n.a.	M 8
T 9	6 50 47	14° 4'17	23°37	27°14	1♒ 5	11°40	27°55	10°49	4°57	13°16	26°46	12°20	12°23	8°47	n.a.	T 9
W10	6 54 43	15° 4'59	6♉58	28°58	2°20	12°27	28° 3	10°56	4°54	13°18	26°47	12° 7	12°20	8°53	n.a.	W10
T 11	6 58 40	16° 5'40	20°38	0♒40	3°34	13°13	28°11	11° 3	4°52	13°20	26°48	11°54	12°17	9° 0	n.a.	T 11
F 12	7 2 36	17° 6'19	4♒34	2°20	4°49	13°59	28°20	11°10	4°49	13°22	26°48	11°41	12°14	9° 7	n.a.	F 12
S 13	7 6 33	18° 6'56	18°40	3°57	6° 4	14°45	28°28	11°17	4°46	13°24	26°49	11°31	12°10	9°13	n.a.	S 13
S 14	7 10 30	19° 7'31	2♓51	5°31	7°18	15°32	28°37	11°24	4°44	13°26	26°50	11°24	12° 7	9°20	n.a.	S 14
M15	7 14 26	20° 8'05	17° 4	7° 2	8°33	16°18	28°46	11°32	4°41	13°28	26°51	11°20	12° 4	9°27	n.a.	M15
T 16	7 18 23	21° 8'36	1♈16	8°28	9°48	17° 4	28°55	11°39	4°39	13°30	26°51	11°18	12° 1	9°33	n.a.	T 16
W17	7 22 19	22° 9'06	15°24	9°49	11° 2	17°50	29° 4	11°46	4°36	13°32	26°52	11°18	11°58	9°40	n.a.	W17
T 18	7 26 16	23° 9'33	29°28	11° 5	12°17	18°36	29°14	11°53	4°34	13°34	26°53	11°18	11°54	9°47	n.a.	T 18
F 19	7 30 12	24° 9'58	13♉26	12°14	13°31	19°22	29°23	12° 0	4°32	13°36	26°53	11°16	11°51	9°53	n.a.	F 19
S 20	7 34 9	25°10'22	27°19	13°16	14°46	20° 8	29°33	12° 8	4°29	13°37	26°54	11°13	11°48	10° 0	n.a.	S 20
S 21	7 38 5	26°10'43	11♊ 5	14°11	16° 0	20°54	29°43	12°15	4°27	13°39	26°54	11° 7	11°45	10° 6	n.a.	S 21
M22	7 42 2	27°11'02	24°43	14°58	17°15	21°40	29°52	12°22	4°24	13°41	26°55	10°58	11°42	10°13	n.a.	M22
T 23	7 45 59	28°11'20	8♋10	15°36	18°29	22°25	0♈ 2	12°30	4°22	13°43	26°55	10°46	11°39	10°20	n.a.	T 23
W24	7 49 55	29°11'35	21°25	16° 4	19°43	23°11	0°12	12°37	4°20	13°44	26°55	10°34	11°35	10°26	n.a.	W24
T 25	7 53 52	0♒11'48	4♌26	16°24	20°58	23°57	0°23	12°44	4°17	13°46	26°56	10°22	11°32	10°33	n.a.	T 25
F 26	7 57 48	1°12'00	17°10	16°R33	22°12	24°43	0°33	12°52	4°15	13°48	26°56	10°11	11°29	10°40	n.a.	F 26
S 27	8 1 45	2°12'09	29°39	16°33	23°26	25°28	0°43	12°59	4°13	13°50	26°56	10° 2	11°26	10°46	n.a.	S 27
S 28	8 5 41	3°12'17	11♍53	16°24	24°41	26°14	0°54	13° 6	4°11	13°51	26°57	9°55	11°23	10°53	n.a.	S 28
M29	8 9 38	4°12'23	23°54	16° 5	25°55	26°59	1° 4	13°14	4° 9	13°53	26°57	9°52	11°20	11° 0	n.a.	M29
T 30	8 13 34	5°12'27	5♎47	15°38	27° 9	27°45	1°15	13°21	4° 6	13°54	26°57	9°D50	11°16	11° 6	n.a.	T 30
W31	8 17 31	6♒12'29	17♎35	15♒ 2	28♒23	28♒30	1♈26	13♒29	4♋ 4	13♐56	26♎57	9♎50	11♎13	11♎13	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	23s37	3n28	2s17	25s 1	1s56	23s31	1s28	20s12	1s 6	2s27	1s19	19s30	1s34	24n 6	0n27	21s37	1n 2	2n20	13n39	5s 9		5s 7		3s35			n.a.
T 2	23 34	0s22	1 18	24 47	1 53	23 20	1 29	20 0	1 5	2 24	1 19	19 28	1 34	24 6	0 27	21 38	1 2	2 19	13 39	5 8		5 6		3 36			n.a.
W 3	23 30	4 10	0 16	24 31	1 49	23 7	1 29	19 48	1 5	2 21	1 18	19 26	1 34	24 6	0 27	21 38	1 2	2 19	13 40	5 8		5 5		3 38			n.a.
T 4	23 26	7 48	0n46	24 13	1 45	22 54	1 30	19 35	1 4	2 18	1 18	19 25	1 34	24 6	0 27	21 38	1 2	2 19	13 40	5 8		5 4		3 40			n.a.
F 5	23 22	11 10	1 47	23 52	1 40	22 41	1 30	19 23	1 4	2 14	1 18	19 23	1 34	24 6	0 27	21 38	1 2	2 19	13 40	5 8		5 2		3 42			n.a.
S 6	23 17	14 6	2 44	23 30	1 35	22 26	1 30	19 10	1 3	2 11	1 17	19 21	1 34	24 6	0 27	21 39	1 2	2 19	13 41	5 6		5 1		3 44			n.a.
S 7	23 12	16 28	3 35	23 6	1 29	22 12	1 31	18 57	1 3	2 8	1 17	19 19	1 34	24 7	0 27	21 39	1 2	2 19	13 41	5 4		5 0		3 46			n.a.
M 8	23 6	18 6	4 16	22 40	1 22	21 56	1 31	18 43	1 3	2 4	1 17	19 17	1 34	24 7	0 27	21 39	1 2	2 19	13 42	5 0		4 59		3 47			n.a.
T 9	23 0	18 51	4 45	22 12	1 14	21 40	1 31	18 30	1 2	2 1	1 17	19 15	1 34	24 7	0 27	21 39	1 2	2 19	13 42	4 56		4 57		3 49			n.a.
W10	22 53	18 35	4 59	21 42	1 6	21 23	1 31	18 16	1 2	1 57	1 16	19 13	1 34	24 7	0 27	21 40	1 2	2 20	13 42	4 51		4 56		3 51			n.a.
T 11	22 46	17 15	4 57	21 11	0 56	21 5	1 31	18 3	1 1	1 53	1 16	19 11	1 34	24 7	0 27	21 40	1 2	2 20	13 43	4 46		4 55		3 53			n.a.
F 12	22 38	14 53	4 37	20 39	0 46	20 47	1 31	17 49	1 1	1 50	1 16	19 9	1 34	24 7	0 27	21 40	1 2	2 20	13 43	4 41		4 54		3 55			n.a.
S 13	22 30	11 37	4 0	20 6	0 35	20 28	1 31	17 35	1 0	1 46	1 16	19 7	1 34	24 7	0 27	21 40	1 2	2 20	13 44	4 37		4 52		3 57			n.a.
S 14	22 22	7 40	3 8	19 31	0 24	20 9	1 31	17 20	1 0	1 42	1 15	19 5	1 34	24 7	0 27	21 41	1 2	2 20	13 44	4 34		4 51		3 58			n.a.
M15	22 13	3 16	2 4	18 56	0 11	19 49	1 31	17 6	0 59	1 38	1 15	19 3	1 34	24 7	0 27	21 41	1 2	2 20	13 44	4 32		4 50		4 0			n.a.
T 16	22 4	1n19	0 53	18 21	0n 2	19 29	1 31	16 51	0 59	1 34	1 15	19 1	1 34	24 7	0 27	21 41	1 2	2 20	13 45	4 32		4 49		4 2			n.a.
W17	21 54	5 48	0s22	17 46	0 15	19 8	1 30	16 37	0 58	1 31	1 14	18 59	1 34	24 8	0 27	21 41	1 2	2 20	13 45	4 31		4 47		4 4			n.a.
T 18	21 44	9 57	1 35	17 12	0 30	18 46	1 30	16 22	0 58	1 27	1 14	18 57	1 34	24 8	0 27	21 42	1 2	2 20	13 45	4 31		4 46		4 6			n.a.
F 19	21 34	13 31	2 42	16 38	0 45	18 24	1 29	16 7	0 57	1 23	1 14	18 55	1 34	24 8	0 27	21 42	1 2	2 21	13 46	4 31		4 45		4 8			n.a.
S 20	21 23	16 16	3 38	16 5	1 0	18 2	1 29	15 51	0 57	1 18	1 14	18 53	1 34	24 8	0 27	21 42	1 2	2 21	13 46	4 30		4 44		4 9			n.a.
S 21	21 11	18 5	4 22	15 35	1 16	17 39	1 28	15 36	0 56	1 14	1 13	18 51	1 34	24 8	0 27	21 42	1 2	2 21	13 47	4 27		4 42		4 11			n.a.
M22	21 0	18 49	4 50	15 6	1 32	17 15	1 27	15 21	0 56	1 10	1 13	18 49	1 34	24 8	0 27	21 42	1 2	2 21	13 47	4 24		4 41		4 13			n.a.
T 23	20 48	18 29	5 1	14 39	1 48	16 51	1 27	15 5	0 55	1 6	1 13	18 47	1 34	24 8	0 27	21 43	1 2	2 21	13 47	4 19		4 40		4 15			n.a.
W24	20 35	17 9	4 56	14 16	2 4	16 27	1 26	14 49	0 55	1 2	1 13	18 45	1 34	24 8	0 27	21 43	1 2	2 22	13 48	4 14		4 38		4 17			n.a.
T 25	20 22	14 56	4 36	13 55	2 19	16 2	1 25	14 34	0 54	0 57	1 13	18 42	1 34	24 8	0 27	21 43	1 2	2 22	13 48	4 9		4 37		4 19			n.a.
F 26	20 9	12 3	4 2	13 38	2 34	15 37	1 24	14 18	0 54	0 53	1 12	18 40	1 34	24 8	0 27	21 43	1 2	2 22	13 49	4 5		4 36		4 20			n.a.
S 27	19 56	8 40	3 17	13 24	2 48	15 11	1 23	14 2	0 53	0 49	1 12	18 38	1 34	24 8	0 27	21 43	1 2	2 22	13 49	4 1		4 35		4 22			n.a.
S 28	19 42	4 59	2 23	13 14	3 2	14 45	1 22	13 46	0 53	0 44	1 12	18 36	1 34	24 8	0 27	21 44	1 2	2 23	13 49	3 59		4 33		4 24			n.a.
M29	19 27	1 10	1 24	13 8	3 14	14 18	1 21	13 29	0 52	0 40	1 12	18 34	1 34	24 8	0 27	21 44	1 2	2 23	13 50	3 57		4 32		4 26			n.a.
T 30	19 13	2s39	0 22	13 6	3 25	13 51	1 19	13 13	0 51	0 35	1 11	18 32	1 34	24 9	0 27	21 44	1 3	2 23	13 50	3 57		4 31		4 28			n.a.
W31	18s58	6s21	0n41	13s 8	3n34	13s24	1s18	12s56	0s51	0s31	1s11	18s30	1s34	24n 9	0n27	21s44	1n 3	2n24	13n51	3s57		4s30		4s30			n.a.

Julian Day Number = 1546103.5, Delta T = 04h34m11s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'07, Lahiri = -10°35'06 Julian Calendar 1 Jan. 480 BCE == Greg. Calendar 27 Dec. 481 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

FEBRUARY 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 21 28	7♒12'30	29♎23	14°R20	29♒37	29♒16	1♈37	13♒36	4°R 2	13♐58	26♎57	9♎51	11♎10	11♎20	n.a.	T 1
F 2	8 25 24	8°12'28	11♏17	13♒31	0♓51	0♓ 1	1°48	13°44	4♋ 0	13°59	26°57	9°R51	11° 7	11°26	n.a.	F 2
S 3	8 29 21	9°12'26	23°23	12°38	2° 5	0°47	1°59	13°51	3°58	14° 1	26°R57	9°50	11° 4	11°33	n.a.	S 3
S 4	8 33 17	10°12'21	5♐45	11°41	3°19	1°32	2°10	13°59	3°56	14° 2	26°57	9°47	11° 0	11°39	n.a.	S 4
M 5	8 37 14	11°12'15	18°27	10°42	4°33	2°17	2°21	14° 6	3°54	14° 3	26°57	9°41	10°57	11°46	n.a.	M 5
T 6	8 41 10	12°12'06	1♑34	9°43	5°47	3° 3	2°33	14°14	3°52	14° 5	26°57	9°34	10°54	11°53	n.a.	T 6
W 7	8 45 7	13°11'56	15° 5	8°44	7° 1	3°48	2°44	14°21	3°50	14° 6	26°57	9°25	10°51	11°59	n.a.	W 7
T 8	8 49 3	14°11'44	29° 0	7°47	8°15	4°33	2°56	14°29	3°49	14° 8	26°57	9°15	10°48	12° 6	n.a.	T 8
F 9	8 53 0	15°11'30	13♒16	6°52	9°29	5°18	3° 7	14°36	3°47	14° 9	26°57	9° 6	10°45	12°13	n.a.	F 9
S 10	8 56 57	16°11'14	27°46	6° 2	10°43	6° 3	3°19	14°44	3°45	14°10	26°56	8°59	10°41	12°19	n.a.	S 10
S 11	9 0 53	17°10'56	12♓25	5°16	11°56	6°48	3°31	14°51	3°43	14°12	26°56	8°54	10°38	12°26	n.a.	S 11
M12	9 4 50	18°10'35	27° 4	4°36	13°10	7°33	3°43	14°59	3°42	14°13	26°56	8°51	10°35	12°33	n.a.	M12
T 13	9 8 46	19°10'12	11♈38	4° 2	14°24	8°18	3°55	15° 6	3°40	14°14	26°56	8°D51	10°32	12°39	n.a.	T 13
W14	9 12 43	20° 9'46	26° 3	3°33	15°37	9° 3	4° 7	15°14	3°39	14°15	26°55	8°51	10°29	12°46	n.a.	W14
T 15	9 16 39	21° 9'18	10♉15	3°10	16°51	9°48	4°19	15°21	3°37	14°16	26°55	8°52	10°26	12°53	n.a.	T 15
F 16	9 20 36	22° 8'48	24°14	2°54	18° 4	10°33	4°31	15°28	3°36	14°18	26°54	8°R53	10°22	12°59	n.a.	F 16
S 17	9 24 32	23° 8'15	7♊58	2°44	19°18	11°17	4°43	15°36	3°34	14°19	26°54	8°52	10°19	13° 6	n.a.	S 17
S 18	9 28 29	24° 7'40	21°29	2°D40	20°31	12° 2	4°56	15°43	3°33	14°20	26°54	8°49	10°16	13°13	n.a.	S 18
M19	9 32 25	25° 7'03	4♋46	2°42	21°45	12°47	5° 8	15°51	3°31	14°21	26°53	8°44	10°13	13°19	n.a.	M19
T 20	9 36 22	26° 6'23	17°51	2°49	22°58	13°31	5°21	15°58	3°30	14°22	26°52	8°37	10°10	13°26	n.a.	T 20
W21	9 40 19	27° 5'41	0♌43	3° 2	24°11	14°16	5°33	16° 6	3°29	14°23	26°52	8°30	10° 6	13°32	n.a.	W21
T 22	9 44 15	28° 4'56	13°22	3°20	25°24	15° 0	5°46	16°13	3°28	14°24	26°51	8°22	10° 3	13°39	n.a.	T 22
F 23	9 48 12	29° 4'09	25°49	3°43	26°37	15°45	5°58	16°20	3°26	14°25	26°51	8°16	10° 0	13°46	n.a.	F 23
S 24	9 52 8	0♓ 3'20	8♍ 4	4°11	27°51	16°29	6°11	16°28	3°25	14°26	26°50	8°11	9°57	13°52	n.a.	S 24
S 25	9 56 5	1° 2'29	20° 9	4°43	29° 4	17°13	6°24	16°35	3°24	14°26	26°49	8° 7	9°54	13°59	n.a.	S 25
M26	10 0 1	2° 1'36	2♎ 5	5°19	0♈17	17°58	6°37	16°42	3°23	14°27	26°49	8° 6	9°51	14° 6	n.a.	M26
T 27	10 3 58	3° 0'41	13°55	5°59	1°30	18°42	6°50	16°50	3°22	14°28	26°48	8°D 5	9°47	14°12	n.a.	T 27
W28	10 7 54	3♓59'43	25♎43	6♒43	2♈42	19♓26	7♈ 3	16♒57	3♋21	14♐29	26♎47	8♎ 7	9♎44	14♎19	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s43	9s48	1n43	13s13	3n41	12s57	1s17	12s40	0s50	0s26	1s11	18s28	1s34	24n 9	0n27	21s44	1n 3	2n24	13n51	3s57	4s28	4s31		n.a.
F 2	18 27	12 53	2 40	13 22	3 47	12 29	1 15	12 23	0 50	0 21	1 11	18 25	1 34	24 9	0 27	21 44	1 3	2 24	13 51	3 57	4 27	4 33		n.a.
S 3	18 11	15 27	3 31	13 34	3 50	12 1	1 14	12 6	0 49	0 17	1 10	18 23	1 34	24 9	0 27	21 45	1 3	2 25	13 52	3 57	4 26	4 35		n.a.
S 4	17 55	17 23	4 14	13 48	3 51	11 32	1 12	11 49	0 49	0 12	1 10	18 21	1 34	24 9	0 27	21 45	1 3	2 25	13 52	3 55	4 25	4 37		n.a.
M 5	17 38	18 30	4 45	14 5	3 51	11 3	1 10	11 33	0 48	0 7	1 10	18 19	1 34	24 9	0 27	21 45	1 3	2 26	13 53	3 53	4 23	4 39		n.a.
T 6	17 22	18 42	5 3	14 24	3 48	10 34	1 9	11 15	0 48	0 3	1 10	18 17	1 35	24 9	0 27	21 45	1 3	2 26	13 53	3 50	4 22	4 40		n.a.
W 7	17 4	17 51	5 4	14 44	3 43	10 5	1 7	10 58	0 47	0n 2	1 10	18 15	1 35	24 9	0 27	21 45	1 3	2 26	13 53	3 47	4 21	4 42		n.a.
T 8	16 47	15 56	4 48	15 5	3 36	9 35	1 5	10 41	0 46	0 7	1 9	18 12	1 35	24 9	0 27	21 45	1 3	2 27	13 54	3 43	4 20	4 44		n.a.
F 9	16 29	13 0	4 14	15 26	3 28	9 5	1 3	10 24	0 46	0 12	1 9	18 10	1 35	24 9	0 27	21 45	1 3	2 27	13 54	3 39	4 18	4 46		n.a.
S 10	16 11	9 14	3 22	15 48	3 18	8 35	1 1	10 7	0 45	0 17	1 9	18 8	1 35	24 9	0 27	21 46	1 3	2 28	13 55	3 36	4 17	4 48		n.a.
S 11	15 53	4 53	2 17	16 10	3 8	8 5	0 59	9 49	0 45	0 22	1 9	18 6	1 35	24 9	0 27	21 46	1 3	2 28	13 55	3 34	4 16	4 50		n.a.
M12	15 35	0 13	1 3	16 31	2 56	7 35	0 57	9 32	0 44	0 27	1 9	18 4	1 35	24 9	0 27	21 46	1 3	2 28	13 55	3 33	4 15	4 51		n.a.
T 13	15 16	4n26	0s15	16 52	2 43	7 4	0 55	9 14	0 44	0 32	1 8	18 2	1 35	24 9	0 27	21 46	1 3	2 29	13 56	3 33	4 13	4 53		n.a.
W14	14 57	8 46	1 32	17 12	2 29	6 33	0 53	8 57	0 43	0 37	1 8	17 59	1 35	24 9	0 27	21 46	1 3	2 29	13 56	3 33	4 12	4 55		n.a.
T 15	14 38	12 32	2 41	17 30	2 15	6 2	0 51	8 39	0 42	0 42	1 8	17 57	1 35	24 9	0 27	21 46	1 3	2 30	13 57	3 34	4 11	4 57		n.a.
F 16	14 19	15 31	3 40	17 48	2 1	5 31	0 49	8 21	0 42	0 47	1 8	17 55	1 35	24 9	0 27	21 46	1 3	2 30	13 57	3 34	4 9	4 59		n.a.
S 17	13 59	17 33	4 26	18 4	1 47	5 0	0 46	8 3	0 41	0 52	1 8	17 53	1 35	24 9	0 27	21 46	1 3	2 31	13 57	3 33	4 8	5 0		n.a.
S 18	13 39	18 34	4 55	18 19	1 33	4 28	0 44	7 46	0 41	0 57	1 8	17 51	1 35	24 9	0 27	21 47	1 3	2 31	13 58	3 32	4 7	5 2		n.a.
M19	13 19	18 32	5 8	18 33	1 18	3 57	0 42	7 28	0 40	1 2	1 7	17 48	1 35	24 9	0 27	21 47	1 3	2 32	13 58	3 30	4 6	5 4		n.a.
T 20	12 59	17 30	5 5	18 45	1 4	3 25	0 39	7 10	0 39	1 7	1 7	17 46	1 35	24 9	0 27	21 47	1 3	2 32	13 58	3 28	4 4	5 6		n.a.
W21	12 38	15 36	4 47	18 55	0 50	2 54	0 37	6 52	0 39	1 13	1 7	17 44	1 36	24 9	0 27	21 47	1 3	2 33	13 59	3 25	4 3	5 8		n.a.
T 22	12 18	12 58	4 14	19 4	0 37	2 22	0 34	6 34	0 38	1 18	1 7	17 42	1 36	24 9	0 27	21 47	1 3	2 33	13 59	3 22	4 2	5 9		n.a.
F 23	11 57	9 48	3 30	19 12	0 23	1 50	0 31	6 16	0 38	1 23	1 7	17 40	1 36	24 9	0 27	21 47	1 3	2 34	13 59	3 19	4 1	5 11		n.a.
S 24	11 36	6 14	2 36	19 17	0 11	1 18	0 29	5 58	0 37	1 28	1 7	17 38	1 36	24 10	0 27	21 47	1 3	2 35	14 0	3 17	3 59	5 13		n.a.
S 25	11 15	2 29	1 36	19 22	0s 2	0 47	0 26	5 40	0 37	1 34	1 6	17 35	1 36	24 10	0 27	21 47	1 3	2 35	14 0	3 16	3 58	5 15		n.a.
M26	10 53	1s20	0 33	19 24	0 14	0 15	0 23	5 22	0 36	1 39	1 6	17 33	1 36	24 10	0 27	21 47	1 3	2 36	14 0	3 15	3 57	5 17		n.a.
T 27	10 32	5 4	0n32	19 26	0 25	0n17	0 21	5 4	0 35	1 44	1 6	17 31	1 36	24 10	0 27	21 47	1 3	2 36	14 1	3 15	3 56	5 18		n.a.
W28	10s10	8s35	1n35	19s25	0s36	0n49	0s18	4s46	0s35	1n49	1s 6	17s29	1s36	24n10	0n27	21s47	1n 3	2n37	14n 1	3s15	3s54	5s20		n.a.

Julian Day Number = 1546134.5, Delta T = 04h34m10s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°42'02, Lahiri = -10°35'02 Julian Calendar 1 Feb. 480 BCE == Greg. Calendar 27 Jan. 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

MARCH 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 11 51	4♓58'44	7♏31	7♒31	3♈55	20♓10	7♈16	17♒ 4	3°R21	14♐30	26°R46	8♎ 8	9♎41	14♎26	n.a.	T 1
F 2	10 15 47	5°57'43	19°25	8°22	5° 8	20°54	7°29	17°12	3♋20	14°30	26♎45	8°10	9°38	14°32	n.a.	F 2
S 3	10 19 44	6°56'40	1♐30	9°16	6°21	21°39	7°42	17°19	3°19	14°31	26°44	8°R11	9°35	14°39	n.a.	S 3
S 4	10 23 41	7°55'36	13°50	10°13	7°33	22°23	7°55	17°26	3°18	14°32	26°43	8°11	9°31	14°46	n.a.	S 4
M 5	10 27 37	8°54'29	26°31	11°13	8°46	23° 7	8° 8	17°33	3°18	14°32	26°43	8°10	9°28	14°52	n.a.	M 5
T 6	10 31 34	9°53'21	9♑35	12°15	9°59	23°50	8°21	17°40	3°17	14°33	26°42	8° 7	9°25	14°59	n.a.	T 6
W 7	10 35 30	10°52'11	23° 5	13°20	11°11	24°34	8°35	17°48	3°16	14°33	26°41	8° 4	9°22	15° 5	n.a.	W 7
T 8	10 39 27	11°50'58	7♒ 3	14°28	12°23	25°18	8°48	17°55	3°16	14°34	26°40	8° 0	9°19	15°12	n.a.	T 8
F 9	10 43 23	12°49'44	21°25	15°38	13°36	26° 2	9° 2	18° 2	3°15	14°34	26°39	7°56	9°16	15°19	n.a.	F 9
S 10	10 47 20	13°48'28	6♓ 8	16°50	14°48	26°46	9°15	18° 9	3°15	14°35	26°37	7°53	9°12	15°25	n.a.	S 10
S 11	10 51 16	14°47'10	21° 4	18° 5	16° 0	27°29	9°28	18°16	3°15	14°35	26°36	7°51	9° 9	15°32	n.a.	S 11
M12	10 55 13	15°45'50	6♈ 5	19°21	17°13	28°13	9°42	18°23	3°14	14°35	26°35	7°D51	9° 6	15°39	n.a.	M12
T 13	10 59 10	16°44'28	21° 3	20°40	18°25	28°56	9°56	18°30	3°14	14°36	26°34	7°51	9° 3	15°45	n.a.	T 13
W14	11 3 6	17°43'03	5♉49	22° 1	19°37	29°40	10° 9	18°36	3°14	14°36	26°33	7°52	9° 0	15°52	n.a.	W14
T 15	11 7 3	18°41'36	20°19	23°23	20°49	0♈23	10°23	18°43	3°14	14°36	26°32	7°53	8°57	15°59	n.a.	T 15
F 16	11 10 59	19°40'07	4♊29	24°48	22° 1	1° 7	10°36	18°50	3°14	14°37	26°31	7°55	8°53	16° 5	n.a.	F 16
S 17	11 14 56	20°38'36	18°17	26°14	23°13	1°50	10°50	18°57	3°D14	14°37	26°29	7°R55	8°50	16°12	n.a.	S 17
S 18	11 18 52	21°37'02	1♋45	27°42	24°24	2°34	11° 4	19° 4	3°14	14°37	26°28	7°55	8°47	16°19	n.a.	S 18
M19	11 22 49	22°35'26	14°53	29°12	25°36	3°17	11°18	19°10	3°14	14°37	26°27	7°54	8°44	16°25	n.a.	M19
T 20	11 26 45	23°33'48	27°43	0♓44	26°48	4° 0	11°31	19°17	3°14	14°37	26°25	7°52	8°41	16°32	n.a.	T 20
W21	11 30 42	24°32'08	10♌18	2°18	27°59	4°43	11°45	19°24	3°14	14°37	26°24	7°50	8°37	16°39	n.a.	W21
T 22	11 34 38	25°30'25	22°40	3°53	29°11	5°26	11°59	19°30	3°15	14°37	26°23	7°49	8°34	16°45	n.a.	T 22
F 23	11 38 35	26°28'41	4♍51	5°30	0♉22	6° 9	12°13	19°37	3°15	14°R37	26°21	7°47	8°31	16°52	n.a.	F 23
S 24	11 42 32	27°26'54	16°54	7° 9	1°34	6°52	12°27	19°43	3°15	14°37	26°20	7°46	8°28	16°58	n.a.	S 24
S 25	11 46 28	28°25'06	28°49	8°50	2°45	7°35	12°41	19°50	3°16	14°37	26°19	7°45	8°25	17° 5	n.a.	S 25
M26	11 50 25	29°23'15	10♎40	10°32	3°56	8°18	12°55	19°56	3°16	14°37	26°17	7°D45	8°22	17°12	n.a.	M26
T 27	11 54 21	0♈21'23	22°28	12°16	5° 7	9° 1	13° 9	20° 2	3°17	14°37	26°16	7°45	8°18	17°18	n.a.	T 27
W28	11 58 18	1°19'29	4♏16	14° 2	6°18	9°44	13°23	20° 9	3°17	14°37	26°14	7°46	8°15	17°25	n.a.	W28
T 29	12 2 14	2°17'34	16° 7	15°50	7°29	10°27	13°37	20°15	3°18	14°37	26°13	7°47	8°12	17°32	n.a.	T 29
F 30	12 6 11	3°15'36	28° 4	17°39	8°40	11° 9	13°51	20°21	3°18	14°36	26°11	7°47	8° 9	17°38	n.a.	F 30
S 31	12 10 7	4♈13'38	10♐11	19♓30	9♉51	11♈52	14♈ 5	20♒27	3♋19	14♐36	26♎10	7♎47	8♎ 6	17♎45	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	9s48	11s46	2n34	19s23	0s47	1n21	0s15	4s28	0s34	1n55	1s 6	17s27	1s36	24n10	0n27	21s47	1n 3	2n37	14n 1	3s16	3s53	5s22			n.a.
F 2	9 27	14 29	3 27	19 19	0 57	1 53	0 12	4 10	0 33	2 0	1 6	17 25	1 36	24 10	0 27	21 48	1 3	2 38	14 2	3 17	3 52	5 24			n.a.
S 3	9 5	16 37	4 12	19 14	1 6	2 25	0 9	3 52	0 33	2 6	1 5	17 23	1 37	24 10	0 27	21 48	1 3	2 39	14 2	3 17	3 51	5 26			n.a.
S 4	8 42	18 1	4 46	19 7	1 15	2 56	0 6	3 33	0 32	2 11	1 5	17 20	1 37	24 10	0 27	21 48	1 3	2 39	14 2	3 17	3 49	5 27			n.a.
M 5	8 20	18 35	5 8	18 59	1 24	3 28	0 3	3 15	0 32	2 16	1 5	17 18	1 37	24 10	0 27	21 48	1 3	2 40	14 3	3 17	3 48	5 29			n.a.
T 6	7 58	18 11	5 14	18 49	1 32	4 0	0 0	2 57	0 31	2 22	1 5	17 16	1 37	24 10	0 27	21 48	1 3	2 40	14 3	3 16	3 47	5 31			n.a.
W 7	7 35	16 46	5 3	18 37	1 39	4 31	0n 2	2 39	0 30	2 27	1 5	17 14	1 37	24 10	0 27	21 48	1 3	2 41	14 3	3 14	3 45	5 33			n.a.
T 8	7 12	14 19	4 35	18 24	1 46	5 3	0 6	2 21	0 30	2 33	1 5	17 12	1 37	24 10	0 27	21 48	1 3	2 42	14 3	3 13	3 44	5 35			n.a.
F 9	6 50	10 56	3 48	18 9	1 53	5 34	0 9	2 3	0 29	2 38	1 5	17 10	1 37	24 10	0 27	21 48	1 3	2 42	14 4	3 11	3 43	5 36			n.a.
S 10	6 27	6 49	2 46	17 53	1 59	6 5	0 12	1 44	0 29	2 44	1 4	17 8	1 37	24 10	0 27	21 48	1 3	2 43	14 4	3 10	3 42	5 38			n.a.
S 11	6 4	2 11	1 31	17 34	2 4	6 36	0 15	1 26	0 28	2 49	1 4	17 6	1 37	24 10	0 27	21 48	1 3	2 43	14 4	3 9	3 40	5 40			n.a.
M12	5 41	2n36	0 10	17 15	2 9	7 7	0 18	1 8	0 27	2 55	1 4	17 4	1 38	24 10	0 27	21 48	1 3	2 44	14 4	3 9	3 39	5 42			n.a.
T 13	5 18	7 12	1s12	16 54	2 13	7 38	0 21	0 50	0 27	3 0	1 4	17 2	1 38	24 10	0 27	21 48	1 3	2 45	14 5	3 9	3 38	5 43			n.a.
W14	4 55	11 18	2 29	16 31	2 17	8 8	0 24	0 32	0 26	3 6	1 4	17 0	1 38	24 10	0 27	21 48	1 3	2 45	14 5	3 10	3 37	5 45			n.a.
T 15	4 32	14 37	3 34	16 6	2 20	8 39	0 27	0 14	0 26	3 11	1 4	16 58	1 38	24 10	0 27	21 48	1 3	2 46	14 5	3 10	3 35	5 47			n.a.
F 16	4 9	16 59	4 24	15 40	2 23	9 9	0 30	0n 4	0 25	3 17	1 4	16 55	1 38	24 10	0 27	21 48	1 4	2 47	14 5	3 11	3 34	5 49			n.a.
S 17	3 45	18 17	4 58	15 12	2 25	9 39	0 33	0 22	0 24	3 22	1 4	16 53	1 38	24 10	0 27	21 48	1 4	2 47	14 6	3 11	3 33	5 51			n.a.
S 18	3 22	18 30	5 15	14 43	2 27	10 9	0 36	0 40	0 24	3 28	1 4	16 51	1 38	24 9	0 27	21 48	1 4	2 48	14 6	3 11	3 32	5 52			n.a.
M19	2 59	17 42	5 14	14 12	2 28	10 38	0 39	0 58	0 23	3 33	1 3	16 49	1 39	24 9	0 27	21 48	1 4	2 49	14 6	3 10	3 30	5 54			n.a.
T 20	2 35	16 1	4 58	13 40	2 29	11 7	0 43	1 16	0 22	3 39	1 3	16 47	1 39	24 9	0 27	21 48	1 4	2 49	14 6	3 10	3 29	5 56			n.a.
W21	2 12	13 36	4 27	13 6	2 29	11 36	0 46	1 34	0 22	3 44	1 3	16 45	1 39	24 9	0 27	21 48	1 4	2 50	14 6	3 9	3 28	5 58			n.a.
T 22	1 48	10 36	3 45	12 31	2 28	12 5	0 49	1 52	0 21	3 50	1 3	16 44	1 39	24 9	0 27	21 48	1 4	2 51	14 7	3 8	3 26	5 59			n.a.
F 23	1 25	7 11	2 53	11 54	2 27	12 34	0 52	2 10	0 21	3 55	1 3	16 42	1 39	24 9	0 27	21 48	1 4	2 51	14 7	3 8	3 25	6 1			n.a.
S 24	1 2	3 30	1 53	11 15	2 26	13 2	0 55	2 27	0 20	4 1	1 3	16 40	1 39	24 9	0 27	21 48	1 4	2 52	14 7	3 7	3 24	6 3			n.a.
S 25	0 38	0s17	0 49	10 35	2 24	13 30	0 58	2 45	0 19	4 7	1 3	16 38	1 39	24 9	0 27	21 48	1 4	2 52	14 7	3 7	3 23	6 5			n.a.
M26	0 15	4 2	0n16	9 53	2 21	13 57	1 1	3 3	0 19	4 12	1 3	16 36	1 40	24 9	0 27	21 48	1 4	2 53	14 7	3 7	3 21	6 6			n.a.
T 27	0n 9	7 36	1 21	9 10	2 18	14 24	1 4	3 21	0 18	4 18	1 3	16 34	1 40	24 9	0 27	21 48	1 4	2 54	14 7	3 7	3 20	6 8			n.a.
W28	0 32	10 53	2 22	8 25	2 14	14 51	1 7	3 38	0 18	4 23	1 2	16 32	1 40	24 9	0 27	21 48	1 4	2 54	14 8	3 7	3 19	6 10			n.a.
T 29	0 55	13 43	3 18	7 39	2 10	15 18	1 10	3 56	0 17	4 29	1 2	16 30	1 40	24 9	0 27	21 48	1 4	2 55	14 8	3 7	3 18	6 12			n.a.
F 30	1 19	16 1	4 5	6 51	2 5	15 44	1 13	4 13	0 16	4 34	1 2	16 28	1 40	24 9	0 27	21 48	1 4	2 56	14 8	3 8	3 16	6 14			n.a.
S 31	1n42	17s37	4n42	6s 2	2s 0	16n10	1n16	4n31	0s16	4n40	1s 2	16s27	1s40	24n 9	0n27	21s47	1n 4	2n56	14n 8	3s 8	3s15	6s15			n.a.

Julian Day Number = 1546162.5, Delta T = 04h34m08s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'59, Lahiri = -10°34'58 Julian Calendar 1 March 480 BCE == Greg. Calendar 24 Feb. 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

APRIL 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 14 4	5♈11'38	22♐31	21♓23	11♉ 1	12♈35	14♈19	20♒33	3♋20	14°R36	26°R 8	7♎48	8♎ 2	17♎52	n.a.	S 1
M 2	12 18 1	6° 9'36	5♑ 9	23°18	12°12	13°17	14°33	20°39	3°21	14♐36	26♎ 7	7°R48	7°59	17°58	n.a.	M 2
T 3	12 21 57	7° 7'33	18° 8	25°15	13°22	14° 0	14°47	20°45	3°22	14°35	26° 5	7°48	7°56	18° 5	n.a.	T 3
W 4	12 25 54	8° 5'29	1♒32	27°13	14°33	14°42	15° 1	20°51	3°23	14°35	26° 4	7°D48	7°53	18°12	n.a.	W 4
T 5	12 29 50	9° 3'23	15°23	29°13	15°43	15°25	15°15	20°57	3°24	14°35	26° 2	7°48	7°50	18°18	n.a.	T 5
F 6	12 33 47	10° 1'16	29°39	1♈15	16°53	16° 7	15°29	21° 3	3°25	14°34	26° 1	7°48	7°47	18°25	n.a.	F 6
S 7	12 37 43	10°59'07	14♓20	3°18	18° 4	16°49	15°43	21° 9	3°26	14°34	25°59	7°48	7°43	18°32	n.a.	S 7
S 8	12 41 40	11°56'57	29°18	5°23	19°14	17°32	15°57	21°14	3°27	14°33	25°57	7°48	7°40	18°38	n.a.	S 8
M 9	12 45 36	12°54'46	14♈28	7°29	20°24	18°14	16°11	21°20	3°28	14°33	25°56	7°R48	7°37	18°45	n.a.	M 9
T 10	12 49 33	13°52'33	29°38	9°36	21°34	18°56	16°25	21°26	3°29	14°32	25°54	7°48	7°34	18°51	n.a.	T 10
W11	12 53 29	14°50'18	14♉41	11°45	22°43	19°38	16°39	21°31	3°31	14°31	25°53	7°48	7°31	18°58	n.a.	W11
T 12	12 57 26	15°48'02	29°28	13°54	23°53	20°20	16°54	21°36	3°32	14°31	25°51	7°47	7°28	19° 5	n.a.	T 12
F 13	13 1 23	16°45'44	13♊52	16° 4	25° 3	21° 2	17° 8	21°42	3°33	14°30	25°49	7°46	7°24	19°11	n.a.	F 13
S 14	13 5 19	17°43'24	27°52	18°15	26°12	21°44	17°22	21°47	3°35	14°29	25°48	7°45	7°21	19°18	n.a.	S 14
S 15	13 9 16	18°41'03	11♋24	20°26	27°21	22°26	17°36	21°52	3°36	14°29	25°46	7°44	7°18	19°25	n.a.	S 15
M16	13 13 12	19°38'40	24°32	22°37	28°31	23° 8	17°50	21°58	3°38	14°28	25°44	7°D44	7°15	19°31	n.a.	M16
T 17	13 17 9	20°36'15	7♌18	24°48	29°40	23°50	18° 4	22° 3	3°39	14°27	25°43	7°45	7°12	19°38	n.a.	T 17
W18	13 21 5	21°33'49	19°44	26°58	0♊49	24°32	18°18	22° 8	3°41	14°26	25°41	7°46	7° 8	19°45	n.a.	W18
T 19	13 25 2	22°31'21	1♍57	29° 7	1°58	25°14	18°32	22°13	3°43	14°26	25°40	7°47	7° 5	19°51	n.a.	T 19
F 20	13 28 58	23°28'52	13°58	1♉16	3° 7	25°55	18°46	22°17	3°44	14°25	25°38	7°48	7° 2	19°58	n.a.	F 20
S 21	13 32 55	24°26'21	25°51	3°23	4°15	26°37	19° 0	22°22	3°46	14°24	25°36	7°49	6°59	20° 5	n.a.	S 21
S 22	13 36 52	25°23'49	7♎40	5°28	5°24	27°19	19°14	22°27	3°48	14°23	25°35	7°R50	6°56	20°11	n.a.	S 22
M23	13 40 48	26°21'15	19°28	7°31	6°32	28° 0	19°28	22°32	3°50	14°22	25°33	7°49	6°53	20°18	n.a.	M23
T 24	13 44 45	27°18'40	1♏17	9°33	7°41	28°42	19°42	22°36	3°52	14°21	25°31	7°48	6°49	20°25	n.a.	T 24
W25	13 48 41	28°16'05	13° 8	11°32	8°49	29°23	19°56	22°41	3°54	14°20	25°30	7°46	6°46	20°31	n.a.	W25
T 26	13 52 38	29°13'28	25° 5	13°30	9°57	0♉ 4	20°10	22°45	3°56	14°19	25°28	7°43	6°43	20°38	n.a.	T 26
F 27	13 56 34	0♉10'50	7♐ 9	15°24	11° 5	0°46	20°24	22°49	3°58	14°18	25°26	7°39	6°40	20°44	n.a.	F 27
S 28	14 0 31	1° 8'12	19°23	17°16	12°12	1°27	20°38	22°54	4° 0	14°17	25°25	7°35	6°37	20°51	n.a.	S 28
S 29	14 4 27	2° 5'33	1♑49	19° 6	13°20	2° 8	20°52	22°58	4° 2	14°16	25°23	7°32	6°33	20°58	n.a.	S 29
M30	14 8 24	3♉ 2'53	14♑29	20♉53	14♊27	2♉50	21♈ 6	23♒ 2	4♋ 4	14♐15	25♎21	7♎30	6♎30	21♎ 4	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 5	18s26	5n 7	5s12	1s54	16n35	1n19	4n48	0s15	4n46	1s 2	16s25	1s41	24n 9	0n27	21s47	1n 4	2n57	14n 8	3s 8	3s14	6s17		n.a.
M 2	2 29	18 21	5 18	4 20	1 47	17 0	1 22	5 5	0 14	4 51	1 2	16 23	1 41	24 9	0 27	21 47	1 4	2 58	14 8	3 8	3 13	6 19		n.a.
T 3	2 52	17 20	5 13	3 27	1 41	17 24	1 25	5 23	0 14	4 57	1 2	16 21	1 41	24 9	0 27	21 47	1 4	2 58	14 8	3 8	3 11	6 21		n.a.
W 4	3 15	15 21	4 51	2 33	1 33	17 49	1 28	5 40	0 13	5 2	1 2	16 19	1 41	24 9	0 27	21 47	1 4	2 59	14 8	3 8	3 10	6 22		n.a.
T 5	3 38	12 25	4 12	1 37	1 25	18 12	1 31	5 57	0 13	5 8	1 2	16 18	1 41	24 9	0 27	21 47	1 4	2 59	14 8	3 8	3 9	6 24		n.a.
F 6	4 1	8 40	3 17	0 40	1 17	18 35	1 33	6 14	0 12	5 13	1 2	16 16	1 41	24 9	0 27	21 47	1 4	3 0	14 8	3 8	3 7	6 26		n.a.
S 7	4 24	4 18	2 7	0n17	1 8	18 58	1 36	6 31	0 11	5 19	1 2	16 14	1 42	24 9	0 27	21 47	1 4	3 1	14 9	3 8	3 6	6 28		n.a.
S 8	4 47	0n26	0 47	1 16	0 59	19 21	1 39	6 48	0 11	5 25	1 2	16 13	1 42	24 9	0 27	21 47	1 4	3 1	14 9	3 8	3 5	6 29		n.a.
M 9	5 10	5 12	0s37	2 15	0 50	19 42	1 42	7 5	0 10	5 30	1 2	16 11	1 42	24 9	0 27	21 47	1 4	3 2	14 9	3 8	3 4	6 31		n.a.
T 10	5 33	9 39	1 58	3 15	0 40	20 4	1 44	7 22	0 10	5 36	1 1	16 9	1 42	24 9	0 26	21 47	1 4	3 2	14 9	3 8	3 2	6 33		n.a.
W11	5 55	13 25	3 11	4 15	0 30	20 25	1 47	7 39	0 9	5 41	1 1	16 8	1 42	24 9	0 26	21 47	1 4	3 3	14 9	3 8	3 1	6 35		n.a.
T 12	6 18	16 14	4 9	5 15	0 19	20 45	1 49	7 55	0 8	5 47	1 1	16 6	1 43	24 9	0 26	21 47	1 4	3 4	14 9	3 8	3 0	6 36		n.a.
F 13	6 40	17 57	4 50	6 16	0 9	21 5	1 52	8 12	0 8	5 52	1 1	16 5	1 43	24 9	0 26	21 46	1 4	3 4	14 9	3 7	2 59	6 38		n.a.
S 14	7 3	18 31	5 13	7 16	0n 2	21 24	1 54	8 28	0 7	5 58	1 1	16 3	1 43	24 9	0 26	21 46	1 4	3 5	14 9	3 7	2 57	6 40		n.a.
S 15	7 25	18 0	5 17	8 16	0 12	21 43	1 56	8 45	0 6	6 3	1 1	16 1	1 43	24 8	0 26	21 46	1 4	3 5	14 9	3 7	2 56	6 42		n.a.
M16	7 47	16 30	5 4	9 16	0 23	22 1	1 59	9 1	0 6	6 9	1 1	16 0	1 43	24 8	0 26	21 46	1 4	3 6	14 9	3 7	2 55	6 43		n.a.
T 17	8 9	14 14	4 36	10 14	0 33	22 18	2 1	9 17	0 5	6 14	1 1	15 58	1 44	24 8	0 26	21 46	1 4	3 7	14 9	3 7	2 53	6 45		n.a.
W18	8 31	11 21	3 56	11 12	0 43	22 35	2 3	9 33	0 5	6 20	1 1	15 57	1 44	24 8	0 26	21 46	1 4	3 7	14 9	3 7	2 52	6 47		n.a.
T 19	8 52	8 2	3 6	12 8	0 53	22 52	2 5	9 49	0 4	6 25	1 1	15 56	1 44	24 8	0 26	21 46	1 4	3 8	14 9	3 8	2 51	6 49		n.a.
F 20	9 14	4 25	2 9	13 3	1 3	23 8	2 7	10 5	0 3	6 31	1 1	15 54	1 44	24 8	0 26	21 46	1 4	3 8	14 9	3 8	2 50	6 50		n.a.
S 21	9 36	0 40	1 6	13 56	1 12	23 23	2 9	10 21	0 3	6 36	1 1	15 53	1 44	24 8	0 26	21 46	1 4	3 9	14 9	3 9	2 48	6 52		n.a.
S 22	9 57	3s 6	0 1	14 47	1 21	23 38	2 11	10 37	0 2	6 41	1 1	15 51	1 45	24 8	0 26	21 46	1 4	3 9	14 8	3 9	2 47	6 54		n.a.
M23	10 18	6 44	1n 4	15 36	1 29	23 52	2 13	10 53	0 2	6 47	1 1	15 50	1 45	24 8	0 26	21 45	1 4	3 10	14 8	3 9	2 46	6 55		n.a.
T 24	10 39	10 6	2 6	16 23	1 37	24 5	2 14	11 8	0 1	6 52	1 1	15 49	1 45	24 8	0 26	21 45	1 4	3 10	14 8	3 8	2 45	6 57		n.a.
W25	11 0	13 5	3 3	17 8	1 44	24 18	2 16	11 24	0 0	6 58	1 1	15 47	1 45	24 8	0 26	21 45	1 4	3 11	14 8	3 7	2 43	6 59		n.a.
T 26	11 20	15 32	3 52	17 51	1 51	24 30	2 18	11 39	0n 0	7 3	1 1	15 46	1 46	24 8	0 26	21 45	1 4	3 11	14 8	3 6	2 42	7 1		n.a.
F 27	11 41	17 20	4 31	18 31	1 56	24 41	2 19	11 54	0 1	7 8	1 1	15 45	1 46	24 8	0 26	21 45	1 4	3 12	14 8	3 4	2 41	7 2		n.a.
S 28	12 1	18 21	4 59	19 9	2 1	24 52	2 20	12 9	0 2	7 14	1 1	15 44	1 46	24 8	0 26	21 45	1 4	3 12	14 8	3 3	2 39	7 4		n.a.
S 29	12 21	18 31	5 13	19 44	2 6	25 2	2 22	12 24	0 2	7 19	1 0	15 43	1 46	24 8	0 26	21 45	1 4	3 13	14 8	3 2	2 38	7 6		n.a.
M30	12n41	17s47	5n12	20n17	2n 9	25n12	2n23	12n39	0n 3	7n24	1s 0	15s41	1s46	24n 7	0n26	21s44	1n 4	3n13	14n 8	3s 1	2s37	7s 8		n.a.

Julian Day Number = 1546193.5, Delta T = 04h34m07s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'54, Lahiri = -10°34'54 Julian Calendar 1 Apr. 480 BCE == Greg. Calendar 27 March 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

MAY 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 12 21	4♉ 0'12	27♋27	22♉37	15♊35	3♉31	21♈20	23♒ 6	4♋ 6	14°R14	25°R20	7°R29	6♎27	21♎11	n.a.	T 1
W 2	14 16 17	4°57'30	10♒46	24°19	16°42	4°12	21°34	23°10	4° 9	14♐13	25♎18	7°D29	6°24	21°18	n.a.	W 2
T 3	14 20 14	5°54'48	24°27	25°58	17°49	4°53	21°48	23°14	4°11	14°12	25°16	7♎30	6°21	21°24	n.a.	T 3
F 4	14 24 10	6°52'06	8♓32	27°34	18°56	5°34	22° 2	23°18	4°13	14°10	25°15	7°31	6°18	21°31	n.a.	F 4
S 5	14 28 7	7°49'23	23° 0	29° 7	20° 2	6°15	22°16	23°21	4°16	14° 9	25°13	7°32	6°14	21°38	n.a.	S 5
S 6	14 32 3	8°46'39	7♈47	0♊37	21° 9	6°56	22°29	23°25	4°18	14° 8	25°12	7°R33	6°11	21°44	n.a.	S 6
M 7	14 36 0	9°43'54	22°49	2° 5	22°15	7°37	22°43	23°28	4°21	14° 7	25°10	7°32	6° 8	21°51	n.a.	M 7
T 8	14 39 56	10°41'09	7♉58	3°30	23°22	8°18	22°57	23°32	4°23	14° 5	25° 8	7°30	6° 5	21°58	n.a.	T 8
W 9	14 43 53	11°38'24	23° 4	4°52	24°28	8°59	23°11	23°35	4°26	14° 4	25° 7	7°26	6° 2	22° 4	n.a.	W 9
T 10	14 47 50	12°35'37	7♊57	6°10	25°34	9°40	23°24	23°38	4°28	14° 3	25° 5	7°21	5°59	22°11	n.a.	T 10
F 11	14 51 46	13°32'50	22°31	7°26	26°39	10°21	23°38	23°42	4°31	14° 1	25° 4	7°16	5°55	22°18	n.a.	F 11
S 12	14 55 43	14°30'03	6♋39	8°39	27°45	11° 1	23°51	23°45	4°33	14° 0	25° 2	7°11	5°52	22°24	n.a.	S 12
S 13	14 59 39	15°27'14	20°19	9°49	28°50	11°42	24° 5	23°48	4°36	13°59	25° 1	7° 7	5°49	22°31	n.a.	S 13
M14	15 3 36	16°24'24	3♌31	10°55	29°55	12°23	24°19	23°51	4°39	13°57	24°59	7° 5	5°46	22°38	n.a.	M14
T 15	15 7 32	17°21'34	16°17	11°58	1♋ 0	13° 3	24°32	23°53	4°42	13°56	24°58	7°D 4	5°43	22°44	n.a.	T 15
W16	15 11 29	18°18'43	28°43	12°58	2° 5	13°44	24°45	23°56	4°44	13°55	24°56	7° 5	5°39	22°51	n.a.	W16
T 17	15 15 25	19°15'51	10♍51	13°55	3° 9	14°24	24°59	23°59	4°47	13°53	24°55	7° 6	5°36	22°57	n.a.	T 17
F 18	15 19 22	20°12'59	22°48	14°48	4°13	15° 5	25°12	24° 1	4°50	13°52	24°53	7° 7	5°33	23° 4	n.a.	F 18
S 19	15 23 19	21°10'05	4♎38	15°37	5°17	15°45	25°26	24° 4	4°53	13°50	24°52	7°R 8	5°30	23°11	n.a.	S 19
S 20	15 27 15	22° 7'12	16°25	16°23	6°21	16°26	25°39	24° 6	4°56	13°49	24°50	7° 8	5°27	23°17	n.a.	S 20
M21	15 31 12	23° 4'18	28°13	17° 5	7°25	17° 6	25°52	24° 8	4°59	13°47	24°49	7° 6	5°24	23°24	n.a.	M21
T 22	15 35 8	24° 1'23	10♏ 5	17°42	8°28	17°46	26° 5	24°10	5° 2	13°46	24°47	7° 1	5°20	23°31	n.a.	T 22
W23	15 39 5	24°58'29	22° 4	18°16	9°31	18°26	26°19	24°12	5° 5	13°44	24°46	6°55	5°17	23°37	n.a.	W23
T 24	15 43 1	25°55'34	4♐10	18°46	10°34	19° 7	26°32	24°14	5° 8	13°43	24°45	6°47	5°14	23°44	n.a.	T 24
F 25	15 46 58	26°52'39	16°26	19°12	11°36	19°47	26°45	24°16	5°11	13°41	24°43	6°38	5°11	23°51	n.a.	F 25
S 26	15 50 54	27°49'44	28°53	19°33	12°39	20°27	26°58	24°18	5°14	13°40	24°42	6°29	5° 8	23°57	n.a.	S 26
S 27	15 54 51	28°46'49	11♑31	19°49	13°41	21° 7	27°11	24°20	5°17	13°38	24°41	6°21	5° 5	24° 4	n.a.	S 27
M28	15 58 48	29°43'54	24°22	20° 2	14°42	21°47	27°24	24°21	5°20	13°37	24°40	6°14	5° 1	24°11	n.a.	M28
T 29	16 2 44	0♊40'59	7♒26	20° 9	15°44	22°27	27°36	24°23	5°24	13°35	24°38	6°10	4°58	24°17	n.a.	T 29
W30	16 6 41	1°38'05	20°46	20°R12	16°45	23° 7	27°49	24°24	5°27	13°34	24°37	6° 7	4°55	24°24	n.a.	W30
T 31	16 10 37	2♊35'10	4♓23	20♊10	17♋45	23♉47	28♈ 2	24♒25	5♋30	13♐32	24♎36	6°D 7	4♎52	24♎31	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
T 1	13n 1	16s 6	4n56	20n48	2n12	25n21	2n24	12n54	0n 3	7n30	1s 0	15s40	1s47	24n 7	0n26	21s44	1n 4	3n14	14n 7	3s 0		2s36		7s 9			n.a.
W 2	13 21	13 32	4 23	21 16	2 15	25 29	2 25	13 9	0 4	7 35	1 0	15 39	1 47	24 7	0 26	21 44	1 5	3 14	14 7	3 0		2 34		7 11			n.a.
T 3	13 40	10 10	3 35	21 42	2 16	25 36	2 26	13 23	0 5	7 40	1 0	15 38	1 47	24 7	0 26	21 44	1 5	3 14	14 7	3 1		2 33		7 13			n.a.
F 4	13 59	6 7	2 33	22 5	2 17	25 43	2 27	13 38	0 5	7 45	1 0	15 37	1 47	24 7	0 26	21 44	1 5	3 15	14 7	3 1		2 32		7 14			n.a.
S 5	14 18	1 37	1 19	22 26	2 17	25 49	2 28	13 52	0 6	7 51	1 0	15 36	1 48	24 7	0 26	21 44	1 5	3 15	14 7	3 2		2 31		7 16			n.a.
S 6	14 37	3n 6	0s 1	22 45	2 16	25 55	2 28	14 6	0 6	7 56	1 0	15 35	1 48	24 7	0 26	21 44	1 5	3 16	14 7	3 2		2 29		7 18			n.a.
M 7	14 55	7 42	1 23	23 2	2 14	26 0	2 29	14 20	0 7	8 1	1 0	15 34	1 48	24 7	0 26	21 43	1 5	3 16	14 6	3 2		2 28		7 20			n.a.
T 8	15 13	11 51	2 39	23 17	2 12	26 4	2 29	14 34	0 8	8 6	1 0	15 33	1 48	24 7	0 26	21 43	1 5	3 16	14 6	3 1		2 27		7 21			n.a.
W 9	15 31	15 11	3 43	23 29	2 9	26 7	2 29	14 48	0 8	8 11	1 0	15 32	1 49	24 7	0 26	21 43	1 5	3 17	14 6	2 59		2 25		7 23			n.a.
T 10	15 49	17 27	4 32	23 40	2 5	26 10	2 30	15 2	0 9	8 16	1 0	15 31	1 49	24 7	0 26	21 43	1 5	3 17	14 6	2 57		2 24		7 25			n.a.
F 11	16 7	18 31	5 1	23 49	2 0	26 12	2 30	15 16	0 9	8 22	1 0	15 31	1 49	24 6	0 26	21 43	1 5	3 17	14 6	2 55		2 23		7 26			n.a.
S 12	16 24	18 24	5 12	23 55	1 55	26 14	2 30	15 29	0 10	8 27	1 0	15 30	1 49	24 6	0 26	21 43	1 5	3 18	14 5	2 53		2 22		7 28			n.a.
S 13	16 41	17 11	5 3	24 0	1 49	26 14	2 30	15 42	0 10	8 32	1 0	15 29	1 50	24 6	0 26	21 42	1 5	3 18	14 5	2 52		2 20		7 30			n.a.
M14	16 58	15 6	4 39	24 4	1 42	26 14	2 29	15 56	0 11	8 37	1 0	15 28	1 50	24 6	0 26	21 42	1 5	3 18	14 5	2 51		2 19		7 32			n.a.
T 15	17 14	12 19	4 2	24 5	1 35	26 14	2 29	16 9	0 12	8 42	1 0	15 27	1 50	24 6	0 26	21 42	1 5	3 19	14 5	2 50		2 18		7 33			n.a.
W16	17 30	9 3	3 14	24 5	1 27	26 12	2 28	16 22	0 12	8 47	1 0	15 27	1 50	24 6	0 26	21 42	1 5	3 19	14 4	2 51		2 17		7 35			n.a.
T 17	17 46	5 28	2 18	24 3	1 18	26 10	2 28	16 34	0 13	8 52	1 0	15 26	1 51	24 6	0 26	21 42	1 5	3 19	14 4	2 51		2 15		7 37			n.a.
F 18	18 2	1 43	1 17	24 0	1 8	26 8	2 27	16 47	0 13	8 57	1 0	15 26	1 51	24 6	0 26	21 41	1 5	3 20	14 4	2 52		2 14		7 38			n.a.
S 19	18 17	2s 4	0 14	23 56	0 58	26 5	2 26	17 0	0 14	9 2	1 0	15 25	1 51	24 6	0 26	21 41	1 5	3 20	14 4	2 52		2 13		7 40			n.a.
S 20	18 32	5 46	0n50	23 50	0 47	26 1	2 25	17 12	0 15	9 6	1 0	15 24	1 51	24 5	0 26	21 41	1 5	3 20	14 3	2 52		2 11		7 42			n.a.
M21	18 47	9 15	1 52	23 42	0 36	25 56	2 24	17 24	0 15	9 11	1 0	15 24	1 52	24 5	0 26	21 41	1 5	3 20	14 3	2 51		2 10		7 44			n.a.
T 22	19 1	12 22	2 49	23 34	0 24	25 51	2 23	17 36	0 16	9 16	1 0	15 23	1 52	24 5	0 26	21 41	1 5	3 20	14 3	2 49		2 9		7 45			n.a.
W23	19 15	15 0	3 38	23 24	0 11	25 45	2 21	17 48	0 16	9 21	1 0	15 23	1 52	24 5	0 26	21 41	1 5	3 21	14 2	2 47		2 8		7 47			n.a.
T 24	19 29	17 1	4 19	23 14	0s 2	25 39	2 20	18 0	0 17	9 26	1 0	15 23	1 52	24 5	0 26	21 40	1 5	3 21	14 2	2 44		2 6		7 49			n.a.
F 25	19 43	18 16	4 48	23 2	0 16	25 32	2 18	18 11	0 18	9 30	1 0	15 22	1 53	24 5	0 26	21 40	1 5	3 21	14 2	2 40		2 5		7 50			n.a.
S 26	19 56	18 41	5 4	22 50	0 30	25 24	2 16	18 23	0 18	9 35	1 0	15 22	1 53	24 5	0 26	21 40	1 5	3 21	14 1	2 36		2 4		7 52			n.a.
S 27	20 9	18 10	5 5	22 36	0 45	25 16	2 14	18 34	0 19	9 40	1 0	15 22	1 53	24 5	0 26	21 40	1 5	3 21	14 1	2 33		2 3		7 54			n.a.
M28	20 21	16 44	4 52	22 22	1 0	25 7	2 12	18 45	0 19	9 45	1 0	15 21	1 53	24 4	0 26	21 40	1 5	3 21	14 1	2 31		2 1		7 55			n.a.
T 29	20 34	14 25	4 22	22 7	1 16	24 57	2 10	18 56	0 20	9 49	1 0	15 21	1 54	24 4	0 26	21 39	1 5	3 22	14 0	2 29		2 0		7 57			n.a.
W30	20 45	11 18	3 39	21 52	1 31	24 47	2 7	19 7	0 20	9 54	1 0	15 21	1 54	24 4	0 26	21 39	1 5	3 22	14 0	2 28		1 59		7 59			n.a.
T 31	20n57	7s31	2n42	21n36	1s47	24n37	2n 5	19n18	0n21	9n58	1s 0	15s21	1s54	24n 4	0n26	21s39	1n 5	3n22	14n 0	2s28		1s57		8s 0			n.a.

Julian Day Number = 1546223.5, Delta T = 04h34m06s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'50, Lahiri = -10°34'50 Julian Calendar 1 May 480 BCE == Greg. Calendar 26 Apr. 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

JUNE 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 14 34	3♊32'16	18♓18	20°R 4	18♋46	24♉27	28♈15	24♒26	5♋33	13°R30	24°R35	6♎ 7	4♎49	24♎37	n.a.	F 1
S 2	16 18 30	4°29'23	2♈31	19♊53	19°46	25° 7	28°27	24°27	5°37	13♐29	24♎33	6°R 8	4°45	24°44	n.a.	S 2
S 3	16 22 27	5°26'30	17° 1	19°38	20°46	25°47	28°40	24°28	5°40	13°27	24°32	6° 8	4°42	24°51	n.a.	S 3
M 4	16 26 24	6°23'37	1♉46	19°19	21°45	26°27	28°52	24°29	5°43	13°26	24°31	6° 5	4°39	24°57	n.a.	M 4
T 5	16 30 20	7°20'45	16°38	18°55	22°44	27° 6	29° 5	24°30	5°46	13°24	24°30	6° 1	4°36	25° 4	n.a.	T 5
W 6	16 34 17	8°17'53	1♊32	18°28	23°43	27°46	29°17	24°31	5°50	13°22	24°29	5°53	4°33	25°11	n.a.	W 6
T 7	16 38 13	9°15'02	16°18	17°58	24°41	28°26	29°30	24°31	5°53	13°21	24°28	5°45	4°30	25°17	n.a.	T 7
F 8	16 42 10	10°12'11	0♋48	17°24	25°39	29° 6	29°42	24°31	5°57	13°19	24°27	5°35	4°26	25°24	n.a.	F 8
S 9	16 46 6	11° 9'20	14°56	16°48	26°36	29°45	29°54	24°32	6° 0	13°17	24°26	5°25	4°23	25°31	n.a.	S 9
S 10	16 50 3	12° 6'29	28°38	16°11	27°33	0♊25	0♉ 6	24°32	6° 4	13°16	24°25	5°17	4°20	25°37	n.a.	S 10
M11	16 53 59	13° 3'39	11♌53	15°32	28°30	1° 4	0°18	24°32	6° 7	13°14	24°24	5°11	4°17	25°44	n.a.	M11
T 12	16 57 56	14° 0'48	24°41	14°52	29°26	1°44	0°30	24°R32	6°11	13°13	24°23	5° 7	4°14	25°50	n.a.	T 12
W13	17 1 53	14°57'58	7♍ 8	14°13	0♌22	2°23	0°42	24°32	6°14	13°11	24°22	5° 6	4°11	25°57	n.a.	W13
T 14	17 5 49	15°55'08	19°17	13°35	1°17	3° 3	0°54	24°32	6°18	13° 9	24°21	5°D 6	4° 7	26° 4	n.a.	T 14
F 15	17 9 46	16°52'18	1♎14	12°58	2°11	3°42	1° 6	24°32	6°21	13° 8	24°20	5°R 6	4° 4	26°10	n.a.	F 15
S 16	17 13 42	17°49'29	13° 3	12°23	3° 5	4°22	1°17	24°31	6°25	13° 6	24°20	5° 6	4° 1	26°17	n.a.	S 16
S 17	17 17 39	18°46'39	24°51	11°50	3°59	5° 1	1°29	24°31	6°28	13° 5	24°19	5° 4	3°58	26°24	n.a.	S 17
M18	17 21 35	19°43'51	6♏42	11°22	4°52	5°40	1°40	24°30	6°32	13° 3	24°18	5° 0	3°55	26°30	n.a.	M18
T 19	17 25 32	20°41'03	18°39	10°57	5°44	6°19	1°52	24°30	6°35	13° 1	24°17	4°54	3°51	26°37	n.a.	T 19
W20	17 29 28	21°38'15	0♐46	10°36	6°36	6°59	2° 3	24°29	6°39	13° 0	24°17	4°44	3°48	26°44	n.a.	W20
T 21	17 33 25	22°35'28	13° 4	10°21	7°27	7°38	2°14	24°28	6°43	12°58	24°16	4°33	3°45	26°50	n.a.	T 21
F 22	17 37 22	23°32'42	25°36	10°11	8°17	8°17	2°25	24°27	6°46	12°57	24°15	4°21	3°42	26°57	n.a.	F 22
S 23	17 41 18	24°29'57	8♑20	10°D 6	9° 7	8°56	2°36	24°26	6°50	12°55	24°15	4° 8	3°39	27° 4	n.a.	S 23
S 24	17 45 15	25°27'12	21°16	10° 7	9°56	9°35	2°47	24°25	6°54	12°53	24°14	3°57	3°36	27°10	n.a.	S 24
M25	17 49 11	26°24'29	4♒25	10°13	10°44	10°14	2°58	24°23	6°57	12°52	24°14	3°47	3°32	27°17	n.a.	M25
T 26	17 53 8	27°21'46	17°45	10°26	11°32	10°53	3° 9	24°22	7° 1	12°50	24°13	3°40	3°29	27°24	n.a.	T 26
W27	17 57 4	28°19'05	1♓16	10°45	12°19	11°32	3°20	24°20	7° 4	12°49	24°13	3°36	3°26	27°30	n.a.	W27
T 28	18 1 1	29°16'25	14°57	11°11	13° 5	12°11	3°30	24°19	7° 8	12°47	24°12	3°34	3°23	27°37	n.a.	T 28
F 29	18 4 58	0♋13'46	28°50	11°42	13°50	12°50	3°41	24°17	7°12	12°46	24°12	3°33	3°20	27°44	n.a.	F 29
S 30	18 8 54	1♋11'08	12♈55	12♊20	14♌34	13♊29	3♉51	24♒15	7♋16	12♐44	24♎11	3♎33	3♎16	27♎50	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n 8	3s15	1n34	21n20	2s 3	24n26	2n 2	19n29	0n22	10n 3	1s 0	15s20	1s54	24n 4	0n26	21s39	1n 5	3n22	13n59	2s28	1s56	8s 2		n.a.
S 2	21 19	1n19	0 19	21 3	2 19	24 14	1 59	19 39	0 22	10 7	1 0	15 20	1 55	24 4	0 26	21 39	1 5	3 22	13 59	2 28	1 55	8 4		n.a.
S 3	21 29	5 53	0s58	20 47	2 34	24 2	1 56	19 49	0 23	10 12	1 0	15 20	1 55	24 4	0 26	21 39	1 5	3 22	13 58	2 28	1 54	8 6		n.a.
M 4	21 39	10 10	2 13	20 30	2 49	23 49	1 53	19 59	0 23	10 16	1 0	15 20	1 55	24 3	0 26	21 38	1 5	3 22	13 58	2 27	1 52	8 7		n.a.
T 5	21 49	13 51	3 19	20 13	3 4	23 36	1 49	20 9	0 24	10 21	1 0	15 20	1 55	24 3	0 26	21 38	1 5	3 22	13 58	2 25	1 51	8 9		n.a.
W 6	21 59	16 38	4 12	19 57	3 18	23 23	1 46	20 19	0 24	10 25	1 1	15 20	1 56	24 3	0 26	21 38	1 5	3 22	13 57	2 22	1 50	8 11		n.a.
T 7	22 8	18 17	4 47	19 41	3 32	23 8	1 42	20 28	0 25	10 30	1 1	15 20	1 56	24 3	0 26	21 38	1 5	3 22	13 57	2 19	1 48	8 12		n.a.
F 8	22 16	18 42	5 3	19 26	3 44	22 54	1 38	20 38	0 26	10 34	1 1	15 20	1 56	24 3	0 26	21 38	1 5	3 22	13 56	2 15	1 47	8 14		n.a.
S 9	22 24	17 56	5 0	19 11	3 55	22 39	1 34	20 47	0 26	10 38	1 1	15 21	1 57	24 3	0 26	21 37	1 5	3 22	13 56	2 11	1 46	8 16		n.a.
S 10	22 32	16 9	4 39	18 57	4 6	22 23	1 30	20 56	0 27	10 43	1 1	15 21	1 57	24 2	0 26	21 37	1 5	3 22	13 56	2 8	1 45	8 17		n.a.
M11	22 40	13 32	4 4	18 44	4 15	22 8	1 26	21 5	0 27	10 47	1 1	15 21	1 57	24 2	0 26	21 37	1 5	3 22	13 55	2 5	1 43	8 19		n.a.
T 12	22 47	10 21	3 18	18 32	4 22	21 51	1 21	21 14	0 28	10 51	1 1	15 21	1 57	24 2	0 26	21 37	1 5	3 22	13 55	2 4	1 42	8 21		n.a.
W13	22 53	6 47	2 23	18 22	4 28	21 35	1 16	21 22	0 28	10 55	1 1	15 21	1 58	24 2	0 26	21 37	1 5	3 22	13 54	2 3	1 41	8 22		n.a.
T 14	23 0	3 1	1 23	18 13	4 33	21 18	1 12	21 31	0 29	10 59	1 1	15 22	1 58	24 2	0 26	21 36	1 5	3 22	13 54	2 3	1 40	8 24		n.a.
F 15	23 6	0s49	0 21	18 6	4 35	21 0	1 6	21 39	0 29	11 3	1 1	15 22	1 58	24 2	0 26	21 36	1 5	3 21	13 53	2 3	1 38	8 26		n.a.
S 16	23 11	4 34	0n42	18 0	4 37	20 43	1 1	21 47	0 30	11 7	1 1	15 22	1 58	24 1	0 26	21 36	1 5	3 21	13 53	2 3	1 37	8 27		n.a.
S 17	23 16	8 9	1 43	17 56	4 36	20 25	0 56	21 55	0 31	11 11	1 1	15 23	1 59	24 1	0 26	21 36	1 4	3 21	13 52	2 2	1 36	8 29		n.a.
M18	23 21	11 25	2 40	17 55	4 34	20 6	0 50	22 2	0 31	11 15	1 1	15 23	1 59	24 1	0 26	21 36	1 4	3 21	13 52	2 1	1 34	8 31		n.a.
T 19	23 25	14 15	3 29	17 55	4 31	19 48	0 44	22 10	0 32	11 19	1 1	15 24	1 59	24 1	0 26	21 35	1 4	3 21	13 51	1 58	1 33	8 32		n.a.
W20	23 29	16 30	4 10	17 57	4 25	19 29	0 38	22 17	0 32	11 23	1 1	15 24	1 59	24 1	0 26	21 35	1 4	3 21	13 51	1 54	1 32	8 34		n.a.
T 21	23 32	18 2	4 40	18 1	4 19	19 10	0 32	22 24	0 33	11 27	1 1	15 25	2 0	24 1	0 26	21 35	1 4	3 20	13 51	1 50	1 31	8 36		n.a.
F 22	23 35	18 43	4 57	18 7	4 11	18 51	0 26	22 31	0 33	11 31	1 1	15 25	2 0	24 0	0 26	21 35	1 4	3 20	13 50	1 45	1 29	8 37		n.a.
S 23	23 38	18 30	5 0	18 15	4 2	18 31	0 19	22 38	0 34	11 35	1 1	15 26	2 0	24 0	0 26	21 35	1 4	3 20	13 50	1 40	1 28	8 39		n.a.
S 24	23 40	17 19	4 47	18 26	3 52	18 11	0 12	22 45	0 34	11 38	1 1	15 27	2 0	24 0	0 26	21 35	1 4	3 20	13 49	1 35	1 27	8 41		n.a.
M25	23 42	15 12	4 19	18 37	3 41	17 51	0 5	22 51	0 35	11 42	1 1	15 27	2 1	24 0	0 26	21 34	1 4	3 19	13 49	1 31	1 25	8 42		n.a.
T 26	23 43	12 16	3 37	18 51	3 29	17 31	0s 2	22 57	0 35	11 46	1 1	15 28	2 1	24 0	0 26	21 34	1 4	3 19	13 48	1 28	1 24	8 44		n.a.
W27	23 44	8 39	2 42	19 6	3 17	17 11	0 9	23 3	0 36	11 49	1 2	15 29	2 1	23 59	0 26	21 34	1 4	3 19	13 48	1 27	1 23	8 46		n.a.
T 28	23 45	4 31	1 37	19 23	3 4	16 50	0 17	23 9	0 37	11 53	1 2	15 30	2 1	23 59	0 26	21 34	1 4	3 19	13 47	1 26	1 22	8 47		n.a.
F 29	23 45	0 5	0 25	19 41	2 50	16 30	0 25	23 15	0 37	11 56	1 2	15 30	2 2	23 59	0 26	21 34	1 4	3 18	13 47	1 26	1 20	8 49		n.a.
S 30	23n45	4n24	0s49	20n 0	2s36	16n 9	0s33	23n20	0n38	12n 0	1s 2	15s31	2s 2	23n59	0n26	21s33	1n 4	3n18	13n46	1s26	1s19	8s51		n.a.

Julian Day Number = 1546254.5, Delta T = 04h34m05s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'46, Lahiri = -10°34'46 Julian Calendar 1 June 480 BCE == Greg. Calendar 27 May 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

JULY 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 12 51	2♋ 8'32	27♈10	13♊ 4	15♌17	14♊ 8	4♉ 2	24°R14	7♋19	12°R43	24°R11	3°R32	3♎13	27♎57	n.a.	S 1
M 2	18 16 47	3° 5'57	11♉34	13°54	15°59	14°47	4°12	24♒12	7°23	12♐41	24♎11	3♎29	3°10	28° 4	n.a.	M 2
T 3	18 20 44	4° 3'24	26° 4	14°49	16°41	15°26	4°22	24°10	7°27	12°40	24°11	3°23	3° 7	28°10	n.a.	T 3
W 4	18 24 40	5° 0'52	10♊35	15°51	17°21	16° 5	4°32	24° 7	7°30	12°38	24°10	3°15	3° 4	28°17	n.a.	W 4
T 5	18 28 37	5°58'21	25° 1	16°59	18° 0	16°43	4°42	24° 5	7°34	12°37	24°10	3° 4	3° 1	28°24	n.a.	T 5
F 6	18 32 33	6°55'52	9♋15	18°12	18°39	17°22	4°52	24° 3	7°38	12°35	24°10	2°52	2°57	28°30	n.a.	F 6
S 7	18 36 30	7°53'23	23°11	19°30	19°16	18° 1	5° 1	24° 0	7°41	12°34	24°10	2°41	2°54	28°37	n.a.	S 7
S 8	18 40 27	8°50'56	6♌45	20°54	19°51	18°40	5°11	23°58	7°45	12°32	24°10	2°31	2°51	28°44	n.a.	S 8
M 9	18 44 23	9°48'30	19°56	22°22	20°26	19°18	5°20	23°55	7°49	12°31	24° 9	2°23	2°48	28°50	n.a.	M 9
T 10	18 48 20	10°46'05	2♍43	23°56	20°59	19°57	5°30	23°53	7°53	12°30	24° 9	2°17	2°45	28°57	n.a.	T 10
W11	18 52 16	11°43'41	15°10	25°33	21°31	20°35	5°39	23°50	7°56	12°28	24°D 9	2°14	2°42	29° 4	n.a.	W11
T 12	18 56 13	12°41'19	27°19	27°14	22° 2	21°14	5°48	23°47	8° 0	12°27	24° 9	2°D13	2°38	29°10	n.a.	T 12
F 13	19 0 9	13°38'57	9♎16	29° 0	22°31	21°52	5°57	23°44	8° 4	12°26	24° 9	2°R13	2°35	29°17	n.a.	F 13
S 14	19 4 6	14°36'36	21° 7	0♋48	22°58	22°31	6° 6	23°41	8° 7	12°24	24°10	2°13	2°32	29°24	n.a.	S 14
S 15	19 8 2	15°34'17	2♏56	2°39	23°24	23° 9	6°14	23°38	8°11	12°23	24°10	2°12	2°29	29°30	n.a.	S 15
M16	19 11 59	16°31'59	14°49	4°32	23°49	23°48	6°23	23°35	8°15	12°22	24°10	2° 9	2°26	29°37	n.a.	M16
T 17	19 15 56	17°29'42	26°50	6°28	24°12	24°26	6°31	23°32	8°18	12°20	24°10	2° 3	2°22	29°44	n.a.	T 17
W18	19 19 52	18°27'27	9♐ 4	8°25	24°32	25° 4	6°40	23°28	8°22	12°19	24°10	1°55	2°19	29°50	n.a.	W18
T 19	19 23 49	19°25'13	21°33	10°24	24°52	25°43	6°48	23°25	8°26	12°18	24°10	1°45	2°16	29°57	n.a.	T 19
F 20	19 27 45	20°23'00	4♑19	12°23	25° 9	26°21	6°56	23°21	8°29	12°17	24°11	1°33	2°13	0♏ 4	n.a.	F 20
S 21	19 31 42	21°20'49	17°21	14°23	25°24	26°59	7° 4	23°18	8°33	12°16	24°11	1°22	2°10	0°10	n.a.	S 21
S 22	19 35 38	22°18'40	0♒39	16°23	25°37	27°38	7°12	23°14	8°37	12°14	24°11	1°11	2° 7	0°17	n.a.	S 22
M23	19 39 35	23°16'32	14°11	18°23	25°49	28°16	7°19	23°11	8°40	12°13	24°12	1° 2	2° 3	0°24	n.a.	M23
T 24	19 43 31	24°14'25	27°53	20°23	25°58	28°54	7°27	23° 7	8°44	12°12	24°12	0°55	2° 0	0°30	n.a.	T 24
W25	19 47 28	25°12'21	11♓45	22°23	26° 5	29°32	7°34	23° 3	8°48	12°11	24°13	0°51	1°57	0°37	n.a.	W25
T 26	19 51 25	26°10'19	25°42	24°21	26°10	0♋10	7°41	22°59	8°51	12°10	24°13	0°D50	1°54	0°44	n.a.	T 26
F 27	19 55 21	27° 8'18	9♈45	26°20	26°12	0°48	7°48	22°55	8°55	12° 9	24°14	0°50	1°51	0°50	n.a.	F 27
S 28	19 59 18	28° 6'20	23°51	28°17	26°R13	1°27	7°55	22°51	8°58	12° 8	24°14	0°R51	1°48	0°57	n.a.	S 28
S 29	20 3 14	29° 4'24	7♉59	0♌13	26°11	2° 5	8° 2	22°47	9° 2	12° 7	24°15	0°50	1°44	1° 4	n.a.	S 29
M30	20 7 11	0♌ 2'29	22° 9	2° 9	26° 6	2°43	8° 9	22°43	9° 5	12° 6	24°15	0°48	1°41	1°10	n.a.	M30
T 31	20 11 7	1♌ 0'37	6♊18	4♌ 3	26♌ 0	3♋21	8♉15	22♒39	9♋ 9	12♐ 5	24♎16	0♎44	1♎38	1♏17	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	8n43	2s 1	20n20	2s21	15n49	0s41	23n26	0n38	12n 3	1s 2	15s32	2s 2	23n59	0n26	21s33	1n 4	3n18	13n46	1s25	1s18	8s52		n.a.
M 2	23 43	12 33	3 7	20 40	2 6	15 28	0 49	23 31	0 39	12 7	1 2	15 33	2 2	23 58	0 26	21 33	1 4	3 17	13 45	1 24	1 17	8 54		n.a.
T 3	23 41	15 38	4 0	21 2	1 51	15 7	0 58	23 36	0 39	12 10	1 2	15 34	2 3	23 58	0 26	21 33	1 4	3 17	13 45	1 22	1 15	8 55		n.a.
W 4	23 39	17 44	4 38	21 23	1 36	14 47	1 7	23 40	0 40	12 14	1 2	15 35	2 3	23 58	0 26	21 33	1 4	3 16	13 44	1 18	1 14	8 57		n.a.
T 5	23 37	18 42	4 58	21 45	1 22	14 26	1 16	23 45	0 40	12 17	1 2	15 36	2 3	23 58	0 26	21 33	1 4	3 16	13 44	1 14	1 13	8 59		n.a.
F 6	23 34	18 27	4 59	22 7	1 7	14 5	1 25	23 49	0 41	12 20	1 2	15 37	2 3	23 58	0 26	21 32	1 4	3 16	13 43	1 9	1 11	9 0		n.a.
S 7	23 31	17 6	4 42	22 28	0 52	13 45	1 35	23 53	0 41	12 23	1 2	15 38	2 4	23 57	0 26	21 32	1 4	3 15	13 42	1 5	1 10	9 2		n.a.
S 8	23 27	14 48	4 9	22 48	0 38	13 24	1 44	23 57	0 42	12 26	1 2	15 39	2 4	23 57	0 26	21 32	1 4	3 15	13 42	1 1	1 9	9 4		n.a.
M 9	23 23	11 48	3 24	23 8	0 24	13 4	1 54	24 1	0 42	12 29	1 2	15 40	2 4	23 57	0 26	21 32	1 4	3 14	13 41	0 57	1 8	9 5		n.a.
T 10	23 18	8 19	2 30	23 26	0 11	12 43	2 4	24 5	0 43	12 33	1 3	15 41	2 4	23 57	0 26	21 32	1 4	3 14	13 41	0 55	1 6	9 7		n.a.
W11	23 14	4 33	1 29	23 43	0n 2	12 23	2 15	24 8	0 44	12 36	1 3	15 42	2 5	23 57	0 26	21 32	1 4	3 13	13 40	0 54	1 5	9 9		n.a.
T 12	23 8	0 41	0 26	23 58	0 15	12 3	2 25	24 11	0 44	12 38	1 3	15 43	2 5	23 56	0 26	21 32	1 4	3 13	13 40	0 54	1 4	9 10		n.a.
F 13	23 2	3s 9	0n37	24 11	0 26	11 44	2 36	24 14	0 45	12 41	1 3	15 45	2 5	23 56	0 26	21 31	1 4	3 12	13 39	0 54	1 2	9 12		n.a.
S 14	22 56	6 49	1 39	24 22	0 37	11 25	2 47	24 17	0 45	12 44	1 3	15 46	2 5	23 56	0 26	21 31	1 4	3 12	13 39	0 54	1 1	9 13		n.a.
S 15	22 50	10 13	2 35	24 31	0 48	11 5	2 58	24 20	0 46	12 47	1 3	15 47	2 5	23 56	0 26	21 31	1 4	3 11	13 38	0 53	1 0	9 15		n.a.
M16	22 43	13 13	3 26	24 37	0 57	10 47	3 9	24 22	0 46	12 50	1 3	15 48	2 6	23 55	0 26	21 31	1 4	3 11	13 38	0 52	0 59	9 17		n.a.
T 17	22 35	15 41	4 8	24 41	1 6	10 28	3 21	24 25	0 47	12 53	1 3	15 50	2 6	23 55	0 26	21 31	1 4	3 10	13 37	0 50	0 57	9 18		n.a.
W18	22 28	17 30	4 39	24 42	1 14	10 10	3 33	24 27	0 47	12 55	1 3	15 51	2 6	23 55	0 26	21 31	1 4	3 10	13 37	0 46	0 56	9 20		n.a.
T 19	22 19	18 32	4 57	24 41	1 21	9 53	3 45	24 29	0 48	12 58	1 3	15 52	2 6	23 55	0 26	21 31	1 4	3 9	13 36	0 42	0 55	9 22		n.a.
F 20	22 11	18 39	5 2	24 36	1 27	9 36	3 57	24 30	0 48	13 0	1 3	15 54	2 6	23 55	0 26	21 30	1 4	3 8	13 36	0 38	0 54	9 23		n.a.
S 21	22 2	17 48	4 51	24 29	1 32	9 19	4 9	24 32	0 49	13 3	1 4	15 55	2 7	23 54	0 26	21 30	1 4	3 8	13 35	0 33	0 52	9 25		n.a.
S 22	21 53	15 59	4 24	24 20	1 36	9 3	4 21	24 33	0 49	13 5	1 4	15 56	2 7	23 54	0 26	21 30	1 4	3 7	13 35	0 28	0 51	9 26		n.a.
M23	21 43	13 15	3 41	24 7	1 40	8 48	4 34	24 34	0 50	13 8	1 4	15 58	2 7	23 54	0 26	21 30	1 4	3 7	13 34	0 25	0 50	9 28		n.a.
T 24	21 33	9 46	2 46	23 53	1 43	8 33	4 46	24 35	0 50	13 10	1 4	15 59	2 7	23 54	0 26	21 30	1 4	3 6	13 33	0 22	0 48	9 30		n.a.
W25	21 22	5 43	1 40	23 36	1 45	8 18	4 59	24 36	0 51	13 13	1 4	16 1	2 7	23 53	0 26	21 30	1 3	3 5	13 33	0 21	0 47	9 31		n.a.
T 26	21 11	1 19	0 27	23 16	1 47	8 5	5 11	24 36	0 51	13 15	1 4	16 2	2 8	23 53	0 26	21 30	1 3	3 5	13 32	0 20	0 46	9 33		n.a.
F 27	21 0	3n11	0s47	22 55	1 47	7 52	5 24	24 37	0 52	13 17	1 4	16 4	2 8	23 53	0 26	21 30	1 3	3 4	13 32	0 20	0 45	9 35		n.a.
S 28	20 49	7 31	2 0	22 32	1 47	7 40	5 37	24 37	0 52	13 19	1 4	16 5	2 8	23 53	0 26	21 30	1 3	3 3	13 31	0 20	0 43	9 36		n.a.
S 29	20 37	11 26	3 5	22 6	1 47	7 29	5 49	24 37	0 53	13 21	1 4	16 7	2 8	23 53	0 26	21 30	1 3	3 2	13 31	0 20	0 42	9 38		n.a.
M30	20 24	14 42	3 59	21 39	1 46	7 19	6 2	24 37	0 53	13 23	1 4	16 8	2 8	23 52	0 26	21 29	1 3	3 2	13 30	0 19	0 41	9 39		n.a.
T 31	20n12	17n 5	4s38	21n11	1n44	7n 9	6s14	24n36	0n54	13n25	1s 5	16s10	2s 8	23n52	0n26	21s29	1n 3	3n 1	13n30	0s18	0s39	9s41		n.a.

Julian Day Number = 1546284.5, Delta T = 04h34m03s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'42, Lahiri = -10°34'42 Julian Calendar 1 July 480 BCE == Greg. Calendar 26 June 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

AUGUST 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 15 4	1♌58'47	20♊24	5♌56	25°R51	3♋59	8♉22	22°R35	9♋12	12°R 4	24♎17	0°R38	1♎35	1♏24	n.a.	W 1
T 2	20 19 0	2°57'00	4♋24	7°48	25♌39	4°37	8°28	22♒31	9°16	12♐ 3	24°18	0♎29	1°32	1°30	n.a.	T 2
F 3	20 22 57	3°55'14	18°12	9°39	25°26	5°15	8°34	22°26	9°19	12° 2	24°18	0°20	1°28	1°37	n.a.	F 3
S 4	20 26 54	4°53'30	1♌47	11°29	25° 9	5°52	8°40	22°22	9°23	12° 2	24°19	0°10	1°25	1°44	n.a.	S 4
S 5	20 30 50	5°51'48	15° 4	13°17	24°51	6°30	8°45	22°18	9°26	12° 1	24°20	0° 2	1°22	1°50	n.a.	S 5
M 6	20 34 47	6°50'08	28° 3	15° 4	24°31	7° 8	8°51	22°13	9°30	12° 0	24°21	29♍56	1°19	1°57	n.a.	M 6
T 7	20 38 43	7°48'29	10♍42	16°50	24° 8	7°46	8°56	22° 9	9°33	11°59	24°22	29°52	1°16	2° 4	n.a.	T 7
W 8	20 42 40	8°46'52	23° 4	18°35	23°43	8°24	9° 1	22° 4	9°36	11°59	24°23	29°50	1°13	2°10	n.a.	W 8
T 9	20 46 36	9°45'18	5♎12	20°19	23°16	9° 1	9° 6	22° 0	9°40	11°58	24°23	29°D50	1° 9	2°17	n.a.	T 9
F 10	20 50 33	10°43'44	17° 9	22° 2	22°47	9°39	9°11	21°55	9°43	11°57	24°24	29°51	1° 6	2°24	n.a.	F 10
S 11	20 54 29	11°42'13	28°59	23°44	22°17	10°17	9°16	21°51	9°46	11°57	24°25	29°52	1° 3	2°30	n.a.	S 11
S 12	20 58 26	12°40'43	10♏49	25°24	21°45	10°55	9°20	21°46	9°50	11°56	24°27	29°R53	1° 0	2°37	n.a.	S 12
M13	21 2 22	13°39'16	22°42	27° 3	21°12	11°32	9°24	21°41	9°53	11°56	24°28	29°52	0°57	2°44	n.a.	M13
T 14	21 6 19	14°37'50	4♐45	28°42	20°38	12°10	9°29	21°37	9°56	11°55	24°29	29°50	0°54	2°50	n.a.	T 14
W15	21 10 16	15°36'25	17° 2	0♑19	20° 2	12°47	9°33	21°32	9°59	11°54	24°30	29°46	0°50	2°57	n.a.	W15
T 16	21 14 12	16°35'03	29°36	1°55	19°26	13°25	9°36	21°27	10° 2	11°54	24°31	29°40	0°47	3° 4	n.a.	T 16
F 17	21 18 9	17°33'43	12♑30	3°30	18°50	14° 2	9°40	21°23	10° 6	11°54	24°32	29°33	0°44	3°10	n.a.	F 17
S 18	21 22 5	18°32'24	25°45	5° 5	18°13	14°40	9°43	21°18	10° 9	11°53	24°33	29°26	0°41	3°17	n.a.	S 18
S 19	21 26 2	19°31'07	9♒21	6°38	17°36	15°17	9°47	21°13	10°12	11°53	24°35	29°20	0°38	3°24	n.a.	S 19
M20	21 29 58	20°29'53	23°14	8°10	16°59	15°55	9°50	21° 9	10°15	11°52	24°36	29°15	0°34	3°30	n.a.	M20
T 21	21 33 55	21°28'40	7♓22	9°41	16°23	16°32	9°52	21° 4	10°18	11°52	24°37	29°11	0°31	3°37	n.a.	T 21
W22	21 37 51	22°27'30	21°40	11°11	15°48	17°10	9°55	20°59	10°21	11°52	24°39	29° 9	0°28	3°44	n.a.	W22
T 23	21 41 48	23°26'22	6♈ 3	12°40	15°13	17°47	9°58	20°55	10°24	11°52	24°40	29°D 9	0°25	3°50	n.a.	T 23
F 24	21 45 45	24°25'16	20°25	14° 8	14°40	18°24	10° 0	20°50	10°27	11°51	24°41	29°10	0°22	3°57	n.a.	F 24
S 25	21 49 41	25°24'13	4♉45	15°35	14° 8	19° 2	10° 2	20°45	10°30	11°51	24°43	29°12	0°19	4° 4	n.a.	S 25
S 26	21 53 38	26°23'12	18°59	17° 2	13°38	19°39	10° 4	20°40	10°33	11°51	24°44	29°13	0°15	4°10	n.a.	S 26
M27	21 57 34	27°22'13	3♊ 5	18°27	13° 9	20°16	10° 5	20°36	10°35	11°51	24°46	29°R13	0°12	4°17	n.a.	M27
T 28	22 1 31	28°21'17	17° 2	19°51	12°43	20°53	10° 7	20°31	10°38	11°51	24°47	29°12	0° 9	4°24	n.a.	T 28
W29	22 5 27	29°20'24	0♋49	21°14	12°18	21°31	10° 8	20°27	10°41	11°51	24°49	29° 9	0° 6	4°30	n.a.	W29
T 30	22 9 24	0♍19'33	14°24	22°35	11°55	22° 8	10° 9	20°22	10°44	11°D51	24°50	29° 5	0° 3	4°37	n.a.	T 30
F 31	22 13 20	1♍18'44	27♋46	23♍56	11♌35	22♋45	10♉10	20♒17	10♋46	11♐51	24♎52	29♍ 1	29♍59	4♏44	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
W 1	19n59	18n24	5s 0	20n41	1n42	7n 0	6s26	24n36	0n55	13n27	1s 5	16s11	2s 9	23n52	0n26	21s29	1n 3	3n 0	13n29	0s15		0s38		9s43			n.a.
T 2	19 45	18 36	5 4	20 9	1 39	6 53	6 39	24 35	0 55	13 29	1 5	16 13	2 9	23 52	0 26	21 29	1 3	3 0	13 29	0 12		0 37		9 44			n.a.
F 3	19 31	17 42	4 51	19 37	1 36	6 46	6 50	24 34	0 56	13 31	1 5	16 14	2 9	23 51	0 26	21 29	1 3	2 59	13 28	0 8		0 36		9 46			n.a.
S 4	19 17	15 47	4 20	19 3	1 33	6 41	7 2	24 33	0 56	13 33	1 5	16 16	2 9	23 51	0 26	21 29	1 3	2 58	13 28	0 4		0 34		9 47			n.a.
S 5	19 3	13 5	3 37	18 28	1 29	6 36	7 13	24 32	0 57	13 35	1 5	16 18	2 9	23 51	0 26	21 29	1 3	2 57	13 27	0 1		0 33		9 49			n.a.
M 6	18 48	9 46	2 42	17 52	1 25	6 33	7 24	24 30	0 57	13 36	1 5	16 19	2 9	23 51	0 26	21 29	1 3	2 56	13 27	0n 2		0 32		9 51			n.a.
T 7	18 33	6 5	1 41	17 16	1 20	6 30	7 34	24 29	0 58	13 38	1 5	16 21	2 9	23 50	0 26	21 29	1 3	2 56	13 26	0 3		0 31		9 52			n.a.
W 8	18 18	2 14	0 36	16 38	1 15	6 29	7 44	24 27	0 58	13 39	1 5	16 22	2 10	23 50	0 26	21 29	1 3	2 55	13 26	0 4		0 29		9 54			n.a.
T 9	18 2	1s39	0n29	16 0	1 10	6 29	7 54	24 25	0 59	13 41	1 6	16 24	2 10	23 50	0 26	21 29	1 3	2 54	13 25	0 4		0 28		9 55			n.a.
F 10	17 46	5 24	1 32	15 22	1 4	6 30	8 2	24 23	0 59	13 42	1 6	16 26	2 10	23 50	0 27	21 29	1 3	2 53	13 25	0 4		0 27		9 57			n.a.
S 11	17 30	8 54	2 31	14 42	0 59	6 32	8 10	24 20	1 0	13 44	1 6	16 27	2 10	23 50	0 27	21 29	1 3	2 52	13 24	0 3		0 25		9 59			n.a.
S 12	17 13	12 3	3 23	14 3	0 53	6 35	8 18	24 18	1 0	13 45	1 6	16 29	2 10	23 49	0 27	21 29	1 3	2 52	13 24	0 3		0 24		10 0			n.a.
M13	16 57	14 42	4 7	13 23	0 47	6 39	8 24	24 15	1 1	13 46	1 6	16 30	2 10	23 49	0 27	21 29	1 3	2 51	13 23	0 3		0 23		10 2			n.a.
T 14	16 39	16 46	4 41	12 42	0 40	6 45	8 30	24 12	1 1	13 48	1 6	16 32	2 10	23 49	0 27	21 29	1 3	2 50	13 23	0 4		0 22		10 3			n.a.
W15	16 22	18 6	5 2	12 2	0 34	6 51	8 35	24 9	1 2	13 49	1 6	16 34	2 10	23 49	0 27	21 29	1 3	2 49	13 22	0 6		0 20		10 5			n.a.
T 16	16 4	18 35	5 10	11 21	0 27	6 58	8 39	24 6	1 2	13 50	1 6	16 35	2 10	23 48	0 27	21 28	1 3	2 48	13 22	0 8		0 19		10 6			n.a.
F 17	15 46	18 9	5 2	10 40	0 20	7 7	8 42	24 2	1 3	13 51	1 7	16 37	2 10	23 48	0 27	21 28	1 3	2 47	13 21	0 11		0 18		10 8			n.a.
S 18	15 28	16 43	4 38	9 58	0 13	7 16	8 44	23 59	1 3	13 52	1 7	16 38	2 11	23 48	0 27	21 28	1 3	2 46	13 21	0 14		0 16		10 10			n.a.
S 19	15 9	14 20	3 58	9 17	0 6	7 26	8 45	23 55	1 4	13 53	1 7	16 40	2 11	23 48	0 27	21 28	1 2	2 45	13 20	0 16		0 15		10 11			n.a.
M20	14 51	11 4	3 3	8 36	0s 1	7 36	8 45	23 51	1 4	13 54	1 7	16 42	2 11	23 48	0 27	21 28	1 2	2 45	13 20	0 18		0 14		10 13			n.a.
T 21	14 32	7 7	1 56	7 54	0 9	7 47	8 44	23 47	1 5	13 54	1 7	16 43	2 11	23 47	0 27	21 28	1 2	2 44	13 19	0 20		0 13		10 14			n.a.
W22	14 12	2 43	0 41	7 13	0 16	7 59	8 43	23 43	1 5	13 55	1 7	16 45	2 11	23 47	0 27	21 28	1 2	2 43	13 19	0 20		0 11		10 16			n.a.
T 23	13 53	1n51	0s38	6 31	0 24	8 12	8 40	23 38	1 6	13 56	1 7	16 46	2 11	23 47	0 27	21 28	1 2	2 42	13 18	0 20		0 10		10 17			n.a.
F 24	13 33	6 20	1 54	5 50	0 31	8 24	8 37	23 34	1 6	13 56	1 7	16 48	2 11	23 47	0 27	21 28	1 2	2 41	13 18	0 20		0 9		10 19			n.a.
S 25	13 13	10 25	3 2	5 9	0 39	8 38	8 32	23 29	1 7	13 57	1 7	16 50	2 11	23 47	0 27	21 29	1 2	2 40	13 17	0 19		0 7		10 21			n.a.
S 26	12 53	13 51	3 59	4 29	0 47	8 51	8 27	23 24	1 7	13 57	1 8	16 51	2 11	23 46	0 27	21 29	1 2	2 39	13 17	0 19		0 6		10 22			n.a.
M27	12 33	16 27	4 41	3 48	0 54	9 5	8 21	23 19	1 8	13 58	1 8	16 53	2 11	23 46	0 27	21 29	1 2	2 38	13 16	0 19		0 5		10 24			n.a.
T 28	12 12	18 2	5 6	3 8	1 2	9 18	8 15	23 14	1 8	13 58	1 8	16 54	2 11	23 46	0 27	21 29	1 2	2 37	13 16	0 19		0 4		10 25			n.a.
W29	11 51	18 32	5 13	2 28	1 9	9 32	8 7	23 8	1 9	13 58	1 8	16 56	2 11	23 46	0 27	21 29	1 2	2 36	13 16	0 21		0 2		10 27			n.a.
T 30	11 30	17 57	5 2	1 48	1 17	9 46	7 59	23 3	1 9	13 59	1 8	16 57	2 11	23 46	0 27	21 29	1 2	2 35	13 15	0 22		0 1		10 28			n.a.
F 31	11n 9	16n23	4s35	1n 9	1s25	9n59	7s51	22n57	1n10	13n59	1s 8	16s59	2s11	23n45	0n27	21s29	1n 2	2n34	13n15	0n24		0n 0		10s30			n.a.

Julian Day Number = 1546315.5, Delta T = 04h34m02s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'38, Lahiri = -10°34'37 Julian Calendar 1 Aug. 480 BCE == Greg. Calendar 27 July 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

SEPTEMBER 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 17 17	2♍17'58	10♌55	25♍15	11°R17	23♋22	10♉11	20°R13	10♋49	11♐51	24♎54	28°R56	29♍56	4♏50	n.a.	S 1
S 2	22 21 13	3°17'14	23°50	26°33	11♌ 1	23°59	10°11	20♒ 8	10°52	11°51	24°55	28♍53	29°53	4°57	n.a.	S 2
M 3	22 25 10	4°16'32	6♍31	27°50	10°48	24°36	10°12	20° 4	10°54	11°51	24°57	28°50	29°50	5° 4	n.a.	M 3
T 4	22 29 7	5°15'52	18°58	29° 5	10°37	25°13	10°R12	19°59	10°57	11°51	24°59	28°48	29°47	5°10	n.a.	T 4
W 5	22 33 3	6°15'14	1♎11	0♎19	10°29	25°50	10°12	19°55	10°59	11°51	25° 0	28°D48	29°44	5°17	n.a.	W 5
T 6	22 37 0	7°14'39	13°14	1°32	10°22	26°27	10°11	19°51	11° 2	11°51	25° 2	28°48	29°40	5°24	n.a.	T 6
F 7	22 40 56	8°14'05	25° 8	2°42	10°19	27° 4	10°11	19°46	11° 4	11°52	25° 4	28°50	29°37	5°30	n.a.	F 7
S 8	22 44 53	9°13'33	6♏58	3°51	10°D18	27°41	10°10	19°42	11° 6	11°52	25° 6	28°51	29°34	5°37	n.a.	S 8
S 9	22 48 49	10°13'03	18°47	4°57	10°19	28°18	10° 9	19°38	11° 9	11°52	25° 8	28°53	29°31	5°44	n.a.	S 9
M10	22 52 46	11°12'36	0♐39	6° 2	10°22	28°55	10° 8	19°33	11°11	11°53	25° 9	28°54	29°28	5°50	n.a.	M10
T 11	22 56 42	12°12'10	12°41	7° 4	10°28	29°31	10° 7	19°29	11°13	11°53	25°11	28°R54	29°25	5°57	n.a.	T 11
W12	23 0 39	13°11'46	24°55	8° 4	10°36	0♑ 8	10° 5	19°25	11°15	11°53	25°13	28°54	29°21	6° 4	n.a.	W12
T 13	23 4 35	14°11'24	7♑27	9° 0	10°46	0°45	10° 4	19°21	11°18	11°54	25°15	28°53	29°18	6°10	n.a.	T 13
F 14	23 8 32	15°11'03	20°21	9°54	10°59	1°21	10° 2	19°17	11°20	11°54	25°17	28°51	29°15	6°17	n.a.	F 14
S 15	23 12 29	16°10'45	3♒39	10°44	11°13	1°58	10° 0	19°13	11°22	11°55	25°19	28°50	29°12	6°24	n.a.	S 15
S 16	23 16 25	17°10'29	17°22	11°30	11°30	2°35	9°57	19° 9	11°24	11°55	25°21	28°48	29° 9	6°30	n.a.	S 16
M17	23 20 22	18°10'14	1♓29	12°13	11°48	3°11	9°55	19° 6	11°26	11°56	25°23	28°47	29° 5	6°37	n.a.	M17
T 18	23 24 18	19°10'01	15°56	12°50	12° 8	3°48	9°52	19° 2	11°28	11°57	25°25	28°46	29° 2	6°44	n.a.	T 18
W19	23 28 15	20° 9'51	0♈38	13°23	12°31	4°24	9°49	18°58	11°30	11°57	25°27	28°D46	28°59	6°50	n.a.	W19
T 20	23 32 11	21° 9'42	15°27	13°50	12°55	5° 1	9°46	18°55	11°31	11°58	25°29	28°46	28°56	6°57	n.a.	T 20
F 21	23 36 8	22° 9'36	0♉17	14°11	13°21	5°37	9°43	18°51	11°33	11°59	25°31	28°47	28°53	7° 4	n.a.	F 21
S 22	23 40 4	23° 9'32	15° 0	14°25	13°48	6°14	9°39	18°48	11°35	11°59	25°33	28°47	28°50	7°10	n.a.	S 22
S 23	23 44 1	24° 9'30	29°31	14°R33	14°18	6°50	9°36	18°44	11°37	12° 0	25°35	28°48	28°46	7°17	n.a.	S 23
M24	23 47 58	25° 9'31	13♊46	14°32	14°48	7°27	9°32	18°41	11°38	12° 1	25°37	28°48	28°43	7°24	n.a.	M24
T 25	23 51 54	26° 9'34	27°43	14°23	15°21	8° 3	9°28	18°38	11°40	12° 2	25°40	28°R48	28°40	7°30	n.a.	T 25
W26	23 55 51	27° 9'40	11♋20	14° 5	15°55	8°39	9°24	18°35	11°41	12° 3	25°42	28°48	28°37	7°37	n.a.	W26
T 27	23 59 47	28° 9'47	24°40	13°38	16°30	9°15	9°19	18°31	11°43	12° 4	25°44	28°48	28°34	7°44	n.a.	T 27
F 28	0 3 44	29° 9'57	7♌43	13° 1	17° 6	9°52	9°15	18°28	11°44	12° 5	25°46	28°D48	28°31	7°50	n.a.	F 28
S 29	0 7 40	0♎10'09	20°30	12°15	17°44	10°28	9°10	18°26	11°46	12° 5	25°48	28°48	28°27	7°57	n.a.	S 29
S 30	0 11 37	1♎10'23	3♍ 4	11♎21	18♌23	11♌ 4	9♉ 5	18♒23	11♋47	12♐ 6	25♎51	28♍48	28♍24	8♏ 4	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n47	13n59	3s53	0n30	1s32	10n13	7s42	22n51	1n10	13n59	1s 8	17s 0	2s11	23n45	0n27	21s29	1n 2	2n33	13n14	0n26	0n 1	10s32		n.a.
S 2	10 26	10 55	3 1	0s 8	1 39	10 26	7 32	22 45	1 11	13 59	1 8	17 2	2 11	23 45	0 27	21 29	1 2	2 32	13 14	0 27	0 3	10 33		n.a.
M 3	10 4	7 23	2 0	0 45	1 47	10 39	7 22	22 39	1 11	13 59	1 8	17 3	2 11	23 45	0 27	21 29	1 2	2 31	13 13	0 28	0 4	10 35		n.a.
T 4	9 42	3 36	0 54	1 22	1 54	10 52	7 12	22 33	1 12	13 59	1 9	17 5	2 11	23 45	0 27	21 29	1 2	2 30	13 13	0 29	0 5	10 36		n.a.
W 5	9 20	0s17	0n13	1 59	2 1	11 5	7 2	22 26	1 12	13 59	1 9	17 6	2 11	23 44	0 27	21 29	1 2	2 29	13 13	0 29	0 7	10 38		n.a.
T 6	8 58	4 5	1 19	2 34	2 8	11 17	6 51	22 20	1 13	13 59	1 9	17 7	2 11	23 44	0 27	21 29	1 2	2 28	13 12	0 29	0 8	10 39		n.a.
F 7	8 35	7 41	2 20	3 9	2 15	11 28	6 40	22 13	1 13	13 58	1 9	17 9	2 11	23 44	0 27	21 29	1 2	2 27	13 12	0 28	0 9	10 41		n.a.
S 8	8 13	10 56	3 16	3 42	2 21	11 39	6 28	22 6	1 14	13 58	1 9	17 10	2 11	23 44	0 27	21 29	1 2	2 26	13 11	0 28	0 10	10 42		n.a.
S 9	7 50	13 45	4 2	4 15	2 28	11 50	6 17	21 59	1 14	13 58	1 9	17 12	2 11	23 44	0 27	21 29	1 2	2 25	13 11	0 27	0 12	10 44		n.a.
M10	7 27	16 0	4 39	4 46	2 34	12 0	6 5	21 52	1 15	13 57	1 9	17 13	2 11	23 44	0 27	21 29	1 1	2 24	13 11	0 27	0 13	10 45		n.a.
T 11	7 4	17 35	5 4	5 17	2 40	12 10	5 54	21 44	1 15	13 57	1 9	17 14	2 11	23 43	0 27	21 30	1 1	2 23	13 10	0 26	0 14	10 47		n.a.
W12	6 41	18 23	5 16	5 46	2 45	12 19	5 42	21 37	1 16	13 56	1 9	17 15	2 11	23 43	0 27	21 30	1 1	2 22	13 10	0 27	0 16	10 49		n.a.
T 13	6 18	18 20	5 13	6 13	2 50	12 28	5 30	21 29	1 16	13 56	1 9	17 17	2 11	23 43	0 27	21 30	1 1	2 21	13 10	0 27	0 17	10 50		n.a.
F 14	5 55	17 20	4 55	6 39	2 55	12 36	5 19	21 22	1 17	13 55	1 10	17 18	2 11	23 43	0 27	21 30	1 1	2 20	13 9	0 28	0 18	10 52		n.a.
S 15	5 31	15 22	4 20	7 3	2 59	12 43	5 7	21 14	1 17	13 54	1 10	17 19	2 11	23 43	0 27	21 30	1 1	2 19	13 9	0 28	0 19	10 53		n.a.
S 16	5 8	12 30	3 30	7 24	3 3	12 50	4 55	21 6	1 18	13 53	1 10	17 20	2 11	23 43	0 27	21 30	1 1	2 18	13 9	0 29	0 21	10 55		n.a.
M17	4 44	8 49	2 26	7 44	3 6	12 56	4 43	20 58	1 18	13 52	1 10	17 21	2 11	23 42	0 27	21 30	1 1	2 17	13 8	0 30	0 22	10 56		n.a.
T 18	4 20	4 32	1 11	8 1	3 9	13 2	4 32	20 50	1 19	13 51	1 10	17 23	2 11	23 42	0 28	21 30	1 1	2 16	13 8	0 30	0 23	10 58		n.a.
W19	3 57	0n 6	0s10	8 16	3 10	13 6	4 20	20 41	1 19	13 50	1 10	17 24	2 11	23 42	0 28	21 30	1 1	2 15	13 8	0 30	0 25	10 59		n.a.
T 20	3 33	4 45	1 31	8 27	3 11	13 11	4 9	20 33	1 20	13 49	1 10	17 25	2 10	23 42	0 28	21 31	1 1	2 14	13 7	0 30	0 26	11 1		n.a.
F 21	3 9	9 7	2 46	8 36	3 11	13 14	3 58	20 24	1 20	13 48	1 10	17 26	2 10	23 42	0 28	21 31	1 1	2 13	13 7	0 30	0 27	11 2		n.a.
S 22	2 45	12 53	3 50	8 40	3 10	13 17	3 47	20 16	1 21	13 47	1 10	17 27	2 10	23 42	0 28	21 31	1 1	2 12	13 7	0 29	0 28	11 4		n.a.
S 23	2 21	15 48	4 37	8 41	3 8	13 19	3 36	20 7	1 21	13 46	1 10	17 28	2 10	23 42	0 28	21 31	1 1	2 11	13 6	0 29	0 30	11 5		n.a.
M24	1 57	17 40	5 7	8 37	3 4	13 21	3 25	19 58	1 22	13 45	1 10	17 29	2 10	23 42	0 28	21 31	1 1	2 10	13 6	0 29	0 31	11 7		n.a.
T 25	1 33	18 26	5 18	8 29	2 59	13 21	3 14	19 49	1 22	13 43	1 10	17 30	2 10	23 42	0 28	21 31	1 1	2 9	13 6	0 29	0 32	11 8		n.a.
W26	1 9	18 6	5 10	8 16	2 52	13 22	3 3	19 40	1 23	13 42	1 11	17 31	2 10	23 41	0 28	21 31	1 1	2 8	13 5	0 29	0 33	11 10		n.a.
T 27	0 44	16 47	4 46	7 58	2 44	13 21	2 53	19 30	1 23	13 40	1 11	17 32	2 10	23 41	0 28	21 32	1 1	2 7	13 5	0 29	0 35	11 11		n.a.
F 28	0 20	14 36	4 8	7 34	2 34	13 20	2 42	19 21	1 24	13 39	1 11	17 32	2 10	23 41	0 28	21 32	1 1	2 6	13 5	0 29	0 36	11 13		n.a.
S 29	0s 4	11 44	3 17	7 5	2 22	13 18	2 32	19 12	1 24	13 37	1 11	17 33	2 10	23 41	0 28	21 32	1 1	2 5	13 5	0 29	0 37	11 15		n.a.
S 30	0s28	8n22	2s18	6s31	2s 8	13n16	2s22	19n 2	1n25	13n36	1s11	17s34	2s10	23n41	0n28	21s32	1n 1	2n 4	13n 4	0n29	0n39	11s16		n.a.

Julian Day Number = 1546346.5, Delta T = 04h34m01s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'34, Lahiri = -10°34'33 Julian Calendar 1 Sept. 480 BCE == Greg. Calendar 27 Aug. 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

OCTOBER 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 15 33	2♎10'39	15♍26	10°R18	19♌ 4	11♌40	9°R 0	18°R20	11♋48	12♐ 8	25♎53	28♍48	28♍21	8♏10	n.a.	M 1
T 2	0 19 30	3°10'57	27°38	9♎ 8	19°45	12°16	8♉54	18♒17	11°49	12° 9	25°55	28°R48	28°18	8°17	n.a.	T 2
W 3	0 23 26	4°11'17	9♎41	7°53	20°28	12°52	8°49	18°15	11°51	12°10	25°57	28°48	28°15	8°24	n.a.	W 3
T 4	0 27 23	5°11'39	21°37	6°35	21°12	13°28	8°43	18°12	11°52	12°11	25°59	28°48	28°11	8°30	n.a.	T 4
F 5	0 31 20	6°12'03	3♏29	5°16	21°56	14° 4	8°38	18°10	11°53	12°12	26° 2	28°47	28° 8	8°37	n.a.	F 5
S 6	0 35 16	7°12'28	15°17	3°59	22°42	14°40	8°32	18° 8	11°54	12°13	26° 4	28°46	28° 5	8°44	n.a.	S 6
S 7	0 39 13	8°12'55	27° 6	2°46	23°29	15°16	8°26	18° 6	11°55	12°14	26° 6	28°45	28° 2	8°51	n.a.	S 7
M 8	0 43 9	9°13'23	8♐59	1°39	24°16	15°52	8°19	18° 4	11°56	12°16	26° 9	28°43	27°59	8°57	n.a.	M 8
T 9	0 47 6	10°13'53	20°59	0°41	25° 5	16°27	8°13	18° 2	11°56	12°17	26°11	28°42	27°56	9° 4	n.a.	T 9
W10	0 51 2	11°14'25	3♑10	29♍53	25°54	17° 3	8° 7	18° 0	11°57	12°18	26°13	28°41	27°52	9°11	n.a.	W10
T 11	0 54 59	12°14'58	15°37	29°16	26°44	17°39	8° 0	17°58	11°58	12°19	26°16	28°D41	27°49	9°17	n.a.	T 11
F 12	0 58 55	13°15'32	28°25	28°51	27°35	18°14	7°53	17°56	11°59	12°21	26°18	28°42	27°46	9°24	n.a.	F 12
S 13	1 2 52	14°16'08	11♒36	28°37	28°27	18°50	7°46	17°55	11°59	12°22	26°20	28°43	27°43	9°31	n.a.	S 13
S 14	1 6 49	15°16'45	25°13	28°D35	29°20	19°25	7°39	17°53	12° 0	12°24	26°23	28°44	27°40	9°37	n.a.	S 14
M15	1 10 45	16°17'23	9♓18	28°43	0♍13	20° 1	7°32	17°52	12° 0	12°25	26°25	28°45	27°36	9°44	n.a.	M15
T 16	1 14 42	17°18'03	23°49	29° 2	1° 7	20°36	7°25	17°51	12° 1	12°27	26°27	28°R46	27°33	9°51	n.a.	T 16
W17	1 18 38	18°18'44	8♈42	29°31	2° 1	21°12	7°18	17°50	12° 1	12°28	26°30	28°46	27°30	9°57	n.a.	W17
T 18	1 22 35	19°19'27	23°49	0♎ 8	2°57	21°47	7°10	17°48	12° 2	12°30	26°32	28°45	27°27	10° 4	n.a.	T 18
F 19	1 26 31	20°20'11	9♉ 1	0°52	3°52	22°22	7° 3	17°48	12° 2	12°31	26°35	28°42	27°24	10°11	n.a.	F 19
S 20	1 30 28	21°20'57	24° 9	1°43	4°49	22°58	6°55	17°47	12° 2	12°33	26°37	28°39	27°21	10°17	n.a.	S 20
S 21	1 34 24	22°21'44	9♊ 2	2°41	5°46	23°33	6°48	17°46	12° 2	12°34	26°39	28°36	27°17	10°24	n.a.	S 21
M22	1 38 21	23°22'33	23°35	3°43	6°44	24° 8	6°40	17°45	12° 2	12°36	26°42	28°33	27°14	10°31	n.a.	M22
T 23	1 42 18	24°23'24	7♋43	4°50	7°42	24°43	6°32	17°45	12° 3	12°37	26°44	28°31	27°11	10°37	n.a.	T 23
W24	1 46 14	25°24'16	21°24	6° 1	8°40	25°18	6°24	17°44	12°R 3	12°39	26°46	28°D30	27° 8	10°44	n.a.	W24
T 25	1 50 11	26°25'10	4♌40	7°15	9°40	25°53	6°16	17°44	12° 2	12°41	26°49	28°30	27° 5	10°51	n.a.	T 25
F 26	1 54 7	27°26'06	17°34	8°32	10°39	26°28	6° 8	17°44	12° 2	12°43	26°51	28°31	27° 2	10°57	n.a.	F 26
S 27	1 58 4	28°27'02	0♍ 8	9°51	11°39	27° 3	6° 0	17°D44	12° 2	12°44	26°54	28°33	26°58	11° 4	n.a.	S 27
S 28	2 2 0	29°28'01	12°28	11°13	12°40	27°38	5°52	17°44	12° 2	12°46	26°56	28°35	26°55	11°11	n.a.	S 28
M29	2 5 57	0♏29'00	24°36	12°36	13°41	28°12	5°44	17°44	12° 2	12°48	26°58	28°R36	26°52	11°17	n.a.	M29
T 30	2 9 53	1°30'01	6♎35	14° 1	14°43	28°47	5°36	17°44	12° 1	12°50	27° 1	28°35	26°49	11°24	n.a.	T 30
W31	2 13 50	2♏31'04	18♎30	15♎26	15♍44	29♌22	5♉28	17♒45	12♋ 1	12♐51	27♎ 3	28♍33	26♍46	11♏31	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	0s53	4n41	1s14	5s51	1s53	13n12	2s12	18n52	1n25	13n34	1s11	17s35	2s 9	23n41	0n28	21s32	1n 1	2n 3	13n 4	0n29	0n40	11s18			n.a.
T 2	1 17	0 51	0 7	5 8	1 36	13 8	2 3	18 43	1 26	13 32	1 11	17 35	2 9	23 41	0 28	21 33	1 1	2 2	13 4	0 29	0 41	11 19			n.a.
W 3	1 41	2s58	1n 0	4 21	1 17	13 4	1 53	18 33	1 26	13 30	1 11	17 36	2 9	23 41	0 28	21 33	1 0	2 1	13 4	0 29	0 42	11 21			n.a.
T 4	2 5	6 38	2 3	3 31	0 57	12 59	1 44	18 23	1 27	13 29	1 11	17 37	2 9	23 41	0 28	21 33	1 0	2 0	13 3	0 29	0 44	11 22			n.a.
F 5	2 30	10 0	3 1	2 41	0 37	12 53	1 35	18 13	1 27	13 27	1 11	17 37	2 9	23 41	0 28	21 33	1 0	1 59	13 3	0 29	0 45	11 24			n.a.
S 6	2 54	12 58	3 50	1 51	0 16	12 46	1 26	18 2	1 28	13 25	1 11	17 38	2 9	23 41	0 28	21 33	1 0	1 58	13 3	0 30	0 46	11 25			n.a.
S 7	3 18	15 23	4 30	1 3	0n 4	12 39	1 17	17 52	1 28	13 23	1 11	17 39	2 9	23 41	0 28	21 33	1 0	1 57	13 3	0 30	0 48	11 27			n.a.
M 8	3 42	17 10	4 58	0 18	0 24	12 32	1 9	17 42	1 29	13 21	1 11	17 39	2 9	23 41	0 28	21 34	1 0	1 56	13 3	0 31	0 49	11 28			n.a.
T 9	4 6	18 13	5 14	0n23	0 43	12 23	1 0	17 32	1 29	13 19	1 11	17 40	2 8	23 40	0 28	21 34	1 0	1 55	13 2	0 31	0 50	11 30			n.a.
W10	4 30	18 27	5 16	0 58	1 1	12 14	0 52	17 21	1 30	13 17	1 11	17 40	2 8	23 40	0 28	21 34	1 0	1 54	13 2	0 32	0 51	11 31			n.a.
T 11	4 54	17 48	5 3	1 28	1 16	12 5	0 44	17 10	1 30	13 14	1 11	17 40	2 8	23 40	0 28	21 34	1 0	1 53	13 2	0 32	0 53	11 33			n.a.
F 12	5 18	16 15	4 35	1 51	1 31	11 54	0 36	17 0	1 31	13 12	1 11	17 41	2 8	23 40	0 28	21 35	1 0	1 52	13 2	0 32	0 54	11 34			n.a.
S 13	5 42	13 48	3 52	2 8	1 43	11 44	0 28	16 49	1 31	13 10	1 11	17 41	2 8	23 40	0 28	21 35	1 0	1 51	13 2	0 31	0 55	11 36			n.a.
S 14	6 6	10 32	2 55	2 18	1 53	11 32	0 21	16 38	1 32	13 8	1 11	17 42	2 8	23 40	0 28	21 35	1 0	1 50	13 2	0 31	0 57	11 37			n.a.
M15	6 29	6 33	1 46	2 22	2 2	11 20	0 13	16 27	1 32	13 5	1 11	17 42	2 8	23 40	0 28	21 35	1 0	1 49	13 1	0 30	0 58	11 39			n.a.
T 16	6 53	2 4	0 27	2 21	2 9	11 8	0 6	16 16	1 33	13 3	1 11	17 42	2 7	23 40	0 28	21 35	1 0	1 48	13 1	0 30	0 59	11 40			n.a.
W17	7 16	2n39	0s55	2 15	2 14	10 54	0n 1	16 5	1 33	13 1	1 11	17 42	2 7	23 40	0 28	21 36	1 0	1 47	13 1	0 30	1 0	11 41			n.a.
T 18	7 40	7 17	2 14	2 3	2 18	10 41	0 8	15 54	1 34	12 58	1 11	17 42	2 7	23 40	0 29	21 36	1 0	1 46	13 1	0 30	1 2	11 43			n.a.
F 19	8 3	11 28	3 24	1 48	2 20	10 26	0 15	15 43	1 34	12 56	1 11	17 43	2 7	23 40	0 29	21 36	1 0	1 45	13 1	0 31	1 3	11 44			n.a.
S 20	8 26	14 51	4 20	1 28	2 22	10 12	0 21	15 32	1 35	12 53	1 11	17 43	2 7	23 40	0 29	21 36	1 0	1 44	13 1	0 33	1 4	11 46			n.a.
S 21	8 49	17 12	4 57	1 5	2 22	9 56	0 27	15 21	1 35	12 51	1 11	17 43	2 7	23 40	0 29	21 37	1 0	1 43	13 1	0 34	1 5	11 47			n.a.
M22	9 12	18 22	5 14	0 40	2 21	9 40	0 33	15 9	1 36	12 48	1 11	17 43	2 7	23 40	0 29	21 37	1 0	1 42	13 1	0 35	1 7	11 49			n.a.
T 23	9 34	18 21	5 11	0 11	2 20	9 24	0 39	14 58	1 36	12 46	1 10	17 43	2 6	23 40	0 29	21 37	1 0	1 41	13 0	0 36	1 8	11 50			n.a.
W24	9 57	17 15	4 50	0s19	2 17	9 7	0 45	14 46	1 37	12 43	1 10	17 43	2 6	23 40	0 29	21 37	1 0	1 40	13 0	0 36	1 9	11 52			n.a.
T 25	10 19	15 14	4 14	0 52	2 14	8 50	0 51	14 35	1 37	12 41	1 10	17 43	2 6	23 40	0 29	21 38	1 0	1 40	13 0	0 36	1 11	11 53			n.a.
F 26	10 42	12 30	3 27	1 26	2 10	8 32	0 56	14 23	1 38	12 38	1 10	17 43	2 6	23 41	0 29	21 38	1 0	1 39	13 0	0 36	1 12	11 55			n.a.
S 27	11 4	9 14	2 30	2 1	2 6	8 14	1 2	14 12	1 38	12 36	1 10	17 43	2 6	23 41	0 29	21 38	1 0	1 38	13 0	0 35	1 13	11 56			n.a.
S 28	11 26	5 38	1 27	2 38	2 2	7 55	1 7	14 0	1 39	12 33	1 10	17 42	2 6	23 41	0 29	21 38	1 0	1 37	13 0	0 34	1 14	11 58			n.a.
M29	11 47	1 50	0 22	3 15	1 57	7 36	1 12	13 48	1 39	12 30	1 10	17 42	2 5	23 41	0 29	21 39	0 59	1 36	13 0	0 34	1 16	11 59			n.a.
T 30	12 9	1s59	0n44	3 53	1 51	7 16	1 17	13 36	1 40	12 28	1 10	17 42	2 5	23 41	0 29	21 39	0 59	1 35	13 0	0 34	1 17	12 1			n.a.
W31	12s30	5s42	1n47	4s32	1n46	6n56	1n21	13n25	1n41	12n25	1s10	17s42	2s 5	23n41	0n29	21s39	0n59	1n34	13n 0	0n35	1n18	12s 2			n.a.

Julian Day Number = 1546376.5, Delta T = 04h34m00s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'29, Lahiri = -10°34'29 Julian Calendar 1 Oct. 480 BCE == Greg. Calendar 26 Sept. 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

NOVEMBER 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 17 47	3♏32'07	0♏20	16♎54	16♍47	29♌56	5°R19	17♒45	12°R 1	12♐53	27♎ 6	28°R30	26♍42	11♏38	n.a.	T 1
F 2	2 21 43	4°33'11	12°10	18°21	17°49	0♍31	5♉11	17°46	12♋ 0	12°55	27° 8	28♍24	26°39	11°44	n.a.	F 2
S 3	2 25 40	5°34'17	24° 0	19°50	18°52	1° 5	5° 3	17°46	12° 0	12°57	27°10	28°17	26°36	11°51	n.a.	S 3
S 4	2 29 36	6°35'23	5♐52	21°20	19°56	1°39	4°55	17°47	11°59	12°59	27°13	28°10	26°33	11°58	n.a.	S 4
M 5	2 33 33	7°36'30	17°48	22°49	21° 0	2°14	4°47	17°48	11°58	13° 1	27°15	28° 2	26°30	12° 4	n.a.	M 5
T 6	2 37 29	8°37'38	29°51	24°20	22° 4	2°48	4°39	17°49	11°58	13° 3	27°17	27°55	26°27	12°11	n.a.	T 6
W 7	2 41 26	9°38'46	12♑ 3	25°51	23° 8	3°22	4°30	17°50	11°57	13° 5	27°20	27°50	26°23	12°18	n.a.	W 7
T 8	2 45 22	10°39'55	24°28	27°22	24°13	3°56	4°22	17°52	11°56	13° 7	27°22	27°46	26°20	12°24	n.a.	T 8
F 9	2 49 19	11°41'05	7♒10	28°53	25°18	4°30	4°14	17°53	11°55	13° 9	27°24	27°D45	26°17	12°31	n.a.	F 9
S 10	2 53 16	12°42'15	20°12	0♏25	26°23	5° 4	4° 6	17°54	11°54	13°11	27°27	27°45	26°14	12°38	n.a.	S 10
S 11	2 57 12	13°43'25	3♓37	1°56	27°28	5°38	3°58	17°56	11°53	13°13	27°29	27°46	26°11	12°44	n.a.	S 11
M12	3 1 9	14°44'36	17°30	3°28	28°34	6°12	3°50	17°58	11°52	13°15	27°31	27°47	26° 7	12°51	n.a.	M12
T 13	3 5 5	15°45'47	1♈49	5° 1	29°40	6°45	3°42	17°59	11°51	13°17	27°34	27°R48	26° 4	12°58	n.a.	T 13
W14	3 9 2	16°46'58	16°35	6°33	0♎47	7°19	3°35	18° 1	11°50	13°19	27°36	27°46	26° 1	13° 4	n.a.	W14
T 15	3 12 58	17°48'10	1♉40	8° 6	1°53	7°53	3°27	18° 3	11°49	13°21	27°38	27°42	25°58	13°11	n.a.	T 15
F 16	3 16 55	18°49'22	16°58	9°38	3° 0	8°26	3°19	18° 5	11°48	13°23	27°41	27°36	25°55	13°18	n.a.	F 16
S 17	3 20 51	19°50'35	2♊17	11°11	4° 7	8°59	3°12	18° 8	11°46	13°25	27°43	27°28	25°52	13°25	n.a.	S 17
S 18	3 24 48	20°51'48	17°27	12°44	5°14	9°33	3° 4	18°10	11°45	13°27	27°45	27°20	25°48	13°31	n.a.	S 18
M19	3 28 45	21°53'02	2♋16	14°18	6°22	10° 6	2°57	18°12	11°44	13°30	27°47	27°12	25°45	13°38	n.a.	M19
T 20	3 32 41	22°54'16	16°39	15°51	7°30	10°39	2°50	18°15	11°42	13°32	27°50	27° 5	25°42	13°45	n.a.	T 20
W21	3 36 38	23°55'31	0♌32	17°25	8°38	11°12	2°43	18°17	11°41	13°34	27°52	27° 0	25°39	13°51	n.a.	W21
T 22	3 40 34	24°56'47	13°54	18°59	9°46	11°45	2°35	18°20	11°39	13°36	27°54	26°57	25°36	13°58	n.a.	T 22
F 23	3 44 31	25°58'02	26°50	20°33	10°54	12°18	2°29	18°23	11°38	13°38	27°56	26°D56	25°33	14° 5	n.a.	F 23
S 24	3 48 27	26°59'19	9♍22	22° 7	12° 3	12°51	2°22	18°26	11°36	13°40	27°58	26°57	25°29	14°11	n.a.	S 24
S 25	3 52 24	28° 0'35	21°37	23°42	13°11	13°24	2°15	18°29	11°35	13°43	28° 1	26°R58	25°26	14°18	n.a.	S 25
M26	3 56 20	29° 1'53	3♎38	25°16	14°20	13°56	2° 8	18°32	11°33	13°45	28° 3	26°58	25°23	14°25	n.a.	M26
T 27	4 0 17	0♐ 3'10	15°31	26°52	15°29	14°29	2° 2	18°35	11°31	13°47	28° 5	26°56	25°20	14°31	n.a.	T 27
W28	4 4 14	1° 4'27	27°20	28°27	16°38	15° 1	1°56	18°39	11°29	13°49	28° 7	26°51	25°17	14°38	n.a.	W28
T 29	4 8 10	2° 5'45	9♏ 8	0♐ 3	17°48	15°33	1°50	18°42	11°28	13°51	28° 9	26°44	25°13	14°45	n.a.	T 29
F 30	4 12 7	3♐ 7'03	20♏58	1♐39	18♎57	16♍ 5	1♉44	18♒45	11♋26	13♐54	28♎11	26♍33	25♍10	14♏51	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s51	9s10	2n45	5s11	1n40	6n36	1n26	13n13	1n41	12n22	1s10	17s41	2s 5	23n41	0n29	21s39	0n59	1n33	13n 0	0n36	1n20	12s 4		n.a.
F 2	13 12	12 16	3 35	5 51	1 33	6 15	1 30	13 1	1 42	12 20	1 10	17 41	2 5	23 41	0 29	21 40	0 59	1 33	13 0	0 39	1 21	12 5		n.a.
S 3	13 33	14 52	4 17	6 31	1 27	5 54	1 34	12 49	1 42	12 17	1 9	17 41	2 5	23 41	0 29	21 40	0 59	1 32	13 0	0 41	1 22	12 6		n.a.
S 4	13 53	16 51	4 47	7 11	1 21	5 32	1 38	12 37	1 43	12 15	1 9	17 40	2 4	23 41	0 29	21 40	0 59	1 31	13 0	0 44	1 23	12 8		n.a.
M 5	14 14	18 7	5 5	7 51	1 14	5 10	1 42	12 25	1 43	12 12	1 9	17 40	2 4	23 41	0 29	21 41	0 59	1 30	13 0	0 48	1 25	12 9		n.a.
T 6	14 34	18 36	5 9	8 31	1 7	4 48	1 46	12 13	1 44	12 9	1 9	17 39	2 4	23 41	0 29	21 41	0 59	1 29	13 0	0 50	1 26	12 11		n.a.
W 7	14 53	18 13	5 0	9 10	1 0	4 26	1 49	12 1	1 44	12 7	1 9	17 39	2 4	23 41	0 29	21 41	0 59	1 28	13 0	0 52	1 27	12 12		n.a.
T 8	15 13	16 58	4 37	9 50	0 54	4 3	1 53	11 49	1 45	12 4	1 9	17 38	2 4	23 42	0 29	21 41	0 59	1 28	13 0	0 54	1 28	12 14		n.a.
F 9	15 32	14 51	4 0	10 29	0 47	3 40	1 56	11 37	1 45	12 1	1 9	17 38	2 4	23 42	0 29	21 42	0 59	1 27	13 0	0 54	1 30	12 15		n.a.
S 10	15 51	11 57	3 9	11 9	0 40	3 16	1 59	11 25	1 46	11 59	1 8	17 37	2 3	23 42	0 29	21 42	0 59	1 26	13 0	0 54	1 31	12 17		n.a.
S 11	16 10	8 20	2 7	11 47	0 33	2 53	2 2	11 13	1 46	11 56	1 8	17 36	2 3	23 42	0 29	21 42	0 59	1 25	13 0	0 54	1 32	12 18		n.a.
M12	16 28	4 9	0 55	12 26	0 26	2 29	2 5	11 0	1 47	11 54	1 8	17 36	2 3	23 42	0 29	21 42	0 59	1 25	13 0	0 53	1 34	12 19		n.a.
T 13	16 46	0n24	0s22	13 4	0 19	2 4	2 7	10 48	1 47	11 51	1 8	17 35	2 3	23 42	0 29	21 43	0 59	1 24	13 0	0 53	1 35	12 21		n.a.
W14	17 4	5 4	1 40	13 41	0 12	1 40	2 10	10 36	1 48	11 49	1 8	17 34	2 3	23 42	0 29	21 43	0 59	1 23	13 0	0 54	1 36	12 22		n.a.
T 15	17 22	9 31	2 52	14 18	0 5	1 15	2 12	10 24	1 48	11 46	1 7	17 33	2 3	23 42	0 29	21 43	0 59	1 22	13 0	0 55	1 37	12 24		n.a.
F 16	17 39	13 24	3 53	14 55	0s 2	0 50	2 14	10 12	1 49	11 44	1 7	17 33	2 2	23 43	0 30	21 44	0 59	1 22	13 0	0 58	1 39	12 25		n.a.
S 17	17 56	16 21	4 37	15 31	0 8	0 25	2 16	9 59	1 49	11 41	1 7	17 32	2 2	23 43	0 30	21 44	0 59	1 21	13 0	1 1	1 40	12 27		n.a.
S 18	18 12	18 9	5 2	16 6	0 15	0s 0	2 18	9 47	1 50	11 39	1 7	17 31	2 2	23 43	0 30	21 44	0 59	1 20	13 1	1 4	1 41	12 28		n.a.
M19	18 28	18 39	5 5	16 41	0 21	0 26	2 20	9 35	1 51	11 37	1 7	17 30	2 2	23 43	0 30	21 44	0 59	1 20	13 1	1 8	1 43	12 29		n.a.
T 20	18 44	17 55	4 49	17 15	0 28	0 51	2 21	9 23	1 51	11 34	1 6	17 29	2 2	23 43	0 30	21 45	0 59	1 19	13 1	1 11	1 44	12 31		n.a.
W21	19 0	16 8	4 16	17 48	0 34	1 17	2 23	9 10	1 52	11 32	1 6	17 28	2 2	23 43	0 30	21 45	0 59	1 18	13 1	1 13	1 45	12 32		n.a.
T 22	19 15	13 31	3 30	18 20	0 41	1 43	2 24	8 58	1 52	11 30	1 6	17 27	2 1	23 43	0 30	21 45	0 59	1 18	13 1	1 14	1 46	12 34		n.a.
F 23	19 30	10 19	2 34	18 52	0 47	2 9	2 25	8 46	1 53	11 28	1 6	17 26	2 1	23 44	0 30	21 46	0 59	1 17	13 1	1 14	1 48	12 35		n.a.
S 24	19 44	6 44	1 33	19 23	0 53	2 35	2 26	8 34	1 53	11 26	1 6	17 25	2 1	23 44	0 30	21 46	0 59	1 16	13 1	1 14	1 49	12 37		n.a.
S 25	19 58	2 56	0 29	19 53	0 58	3 1	2 27	8 21	1 54	11 23	1 5	17 24	2 1	23 44	0 30	21 46	0 59	1 16	13 1	1 13	1 50	12 38		n.a.
M26	20 12	0s55	0n36	20 22	1 4	3 27	2 28	8 9	1 54	11 21	1 5	17 23	2 1	23 44	0 30	21 46	0 59	1 15	13 2	1 13	1 51	12 39		n.a.
T 27	20 25	4 41	1 37	20 50	1 9	3 54	2 29	7 57	1 55	11 19	1 5	17 22	2 1	23 44	0 30	21 47	0 59	1 14	13 2	1 14	1 53	12 41		n.a.
W28	20 38	8 15	2 35	21 17	1 15	4 20	2 29	7 45	1 55	11 17	1 5	17 20	2 1	23 45	0 30	21 47	0 59	1 14	13 2	1 16	1 54	12 42		n.a.
T 29	20 51	11 30	3 25	21 43	1 20	4 46	2 30	7 33	1 56	11 15	1 4	17 19	2 0	23 45	0 30	21 47	0 59	1 13	13 2	1 19	1 55	12 44		n.a.
F 30	21s 3	14s17	4n 6	22s 8	1s25	5s13	2n30	7n21	1n57	11n14	1s 4	17s18	2s 0	23n45	0n30	21s48	0n59	1n13	13n 2	1n23	1n57	12s45		n.a.

Julian Day Number = 1546407.5, Delta T = 04h33m58s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'25, Lahiri = -10°34'25 Julian Calendar 1 Nov. 480 BCE == Greg. Calendar 27 Oct. 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 480 BCE
geocentric

DECEMBER 480 BCE (-479) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 16 3	4♐ 8'21	2♐52	3♐15	20♎ 7	16♍37	1°R38	18♒49	11°R24	13♐56	28♎13	26°R21	25♍ 7	14♏58	n.a.	S 1
S 2	4 20 0	5° 9'38	14°51	4°52	21°17	17° 9	1♉32	18°53	11♋22	13°58	28°15	26♍ 7	25° 4	15° 5	n.a.	S 2
M 3	4 23 56	6°10'56	26°56	6°29	22°27	17°41	1°27	18°57	11°20	14° 0	28°17	25°54	25° 1	15°12	n.a.	M 3
T 4	4 27 53	7°12'13	9♑ 8	8° 6	23°37	18°13	1°21	19° 0	11°18	14° 3	28°19	25°41	24°58	15°18	n.a.	T 4
W 5	4 31 50	8°13'30	21°29	9°44	24°47	18°45	1°16	19° 4	11°16	14° 5	28°21	25°30	24°54	15°25	n.a.	W 5
T 6	4 35 46	9°14'46	4♒ 0	11°22	25°57	19°16	1°11	19° 8	11°14	14° 7	28°23	25°23	24°51	15°32	n.a.	T 6
F 7	4 39 43	10°16'02	16°44	13° 1	27° 8	19°47	1° 6	19°13	11°12	14°10	28°25	25°18	24°48	15°38	n.a.	F 7
S 8	4 43 39	11°17'16	29°44	14°40	28°18	20°19	1° 2	19°17	11°10	14°12	28°27	25°15	24°45	15°45	n.a.	S 8
S 9	4 47 36	12°18'31	13♓ 2	16°20	29°29	20°50	0°57	19°21	11° 7	14°14	28°29	25°D15	24°42	15°52	n.a.	S 9
M10	4 51 32	13°19'44	26°42	18° 0	0♏40	21°21	0°53	19°26	11° 5	14°16	28°31	25°R15	24°39	15°58	n.a.	M10
T 11	4 55 29	14°20'57	10♈45	19°40	1°50	21°51	0°49	19°30	11° 3	14°19	28°32	25°14	24°35	16° 5	n.a.	T 11
W12	4 59 25	15°22'08	25°12	21°20	3° 1	22°22	0°45	19°35	11° 1	14°21	28°34	25°12	24°32	16°12	n.a.	W12
T 13	5 3 22	16°23'19	10♉ 0	23° 1	4°12	22°53	0°41	19°39	10°58	14°23	28°36	25° 6	24°29	16°19	n.a.	T 13
F 14	5 7 19	17°24'30	25° 4	24°43	5°23	23°23	0°38	19°44	10°56	14°25	28°38	24°58	24°26	16°25	n.a.	F 14
S 15	5 11 15	18°25'39	10♊14	26°24	6°35	23°53	0°34	19°49	10°54	14°28	28°39	24°47	24°23	16°32	n.a.	S 15
S 16	5 15 12	19°26'48	25°20	28° 6	7°46	24°23	0°31	19°54	10°51	14°30	28°41	24°35	24°19	16°39	n.a.	S 16
M17	5 19 8	20°27'56	10♋12	29°48	8°57	24°53	0°28	19°59	10°49	14°32	28°43	24°24	24°16	16°45	n.a.	M17
T 18	5 23 5	21°29'03	24°41	1♑31	10° 9	25°23	0°25	20° 4	10°47	14°35	28°44	24°13	24°13	16°52	n.a.	T 18
W19	5 27 1	22°30'10	8♌43	3°13	11°20	25°53	0°23	20° 9	10°44	14°37	28°46	24° 5	24°10	16°59	n.a.	W19
T 20	5 30 58	23°31'16	22°14	4°55	12°32	26°23	0°20	20°14	10°42	14°39	28°48	24° 0	24° 7	17° 5	n.a.	T 20
F 21	5 34 54	24°32'21	5♍16	6°37	13°44	26°52	0°18	20°19	10°39	14°41	28°49	23°58	24° 4	17°12	n.a.	F 21
S 22	5 38 51	25°33'26	17°54	8°18	14°55	27°21	0°16	20°25	10°37	14°44	28°51	23°57	24° 0	17°19	n.a.	S 22
S 23	5 42 48	26°34'30	0♎11	9°59	16° 7	27°50	0°15	20°30	10°34	14°46	28°52	23°57	23°57	17°25	n.a.	S 23
M24	5 46 44	27°35'33	12°13	11°39	17°19	28°19	0°13	20°36	10°32	14°48	28°54	23°56	23°54	17°32	n.a.	M24
T 25	5 50 41	28°36'36	24° 5	13°17	18°31	28°48	0°12	20°41	10°29	14°50	28°55	23°54	23°51	17°39	n.a.	T 25
W26	5 54 37	29°37'38	5♏54	14°55	19°43	29°16	0°10	20°47	10°27	14°52	28°57	23°49	23°48	17°46	n.a.	W26
T 27	5 58 34	0♑38'38	17°42	16°30	20°55	29°45	0° 9	20°53	10°24	14°55	28°58	23°42	23°45	17°52	n.a.	T 27
F 28	6 2 30	1°39'38	29°35	18° 3	22° 7	0♎13	0° 9	20°58	10°22	14°57	29° 0	23°31	23°41	17°59	n.a.	F 28
S 29	6 6 27	2°40'37	11♐34	19°33	23°20	0°41	0° 8	21° 4	10°19	14°59	29° 1	23°18	23°38	18° 6	n.a.	S 29
S 30	6 10 24	3°41'35	23°41	21° 0	24°32	1° 8	0° 8	21°10	10°16	15° 1	29° 2	23° 4	23°35	18°12	n.a.	S 30
M31	6 14 20	4♑42'32	5♑58	22♑23	25♏44	1♎36	0°D 8	21♒16	10♋14	15♐ 3	29♎ 3	22♍50	23♍32	18♏19	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s15	16s29	4n37	22s32	1s29	5s39	2n30	7n 8	1n57	11n12	1s 4	17s17	2s 0	23n45	0n30	21s48	0n59	1n12	13n 2	1n28	1n58	12s46		n.a.
S 2	21 26	17 59	4 56	22 55	1 34	6 5	2 30	6 56	1 58	11 10	1 4	17 15	2 0	23 45	0 30	21 48	0 59	1 12	13 3	1 34	1 59	12 48		n.a.
M 3	21 37	18 42	5 1	23 17	1 38	6 32	2 30	6 44	1 58	11 8	1 3	17 14	2 0	23 45	0 30	21 48	0 59	1 11	13 3	1 39	2 0	12 49		n.a.
T 4	21 48	18 33	4 53	23 37	1 42	6 58	2 30	6 32	1 59	11 7	1 3	17 13	2 0	23 46	0 30	21 49	0 59	1 11	13 3	1 44	2 2	12 51		n.a.
W 5	21 58	17 33	4 31	23 56	1 46	7 24	2 30	6 20	1 59	11 5	1 3	17 11	1 59	23 46	0 30	21 49	0 59	1 10	13 3	1 48	2 3	12 52		n.a.
T 6	22 7	15 41	3 56	24 14	1 49	7 50	2 29	6 8	2 0	11 4	1 3	17 10	1 59	23 46	0 30	21 49	0 59	1 10	13 3	1 52	2 4	12 53		n.a.
F 7	22 17	13 1	3 9	24 31	1 52	8 16	2 29	5 56	2 0	11 2	1 2	17 8	1 59	23 46	0 30	21 50	0 59	1 9	13 4	1 54	2 5	12 55		n.a.
S 8	22 25	9 40	2 11	24 46	1 55	8 42	2 28	5 44	2 1	11 1	1 2	17 7	1 59	23 46	0 30	21 50	0 59	1 9	13 4	1 54	2 7	12 56		n.a.
S 9	22 34	5 46	1 4	24 59	1 57	9 8	2 27	5 32	2 2	11 0	1 2	17 5	1 59	23 47	0 30	21 50	0 59	1 8	13 4	1 55	2 8	12 58		n.a.
M10	22 42	1 27	0s 8	25 11	1 59	9 34	2 27	5 20	2 2	10 58	1 1	17 4	1 59	23 47	0 30	21 50	0 59	1 8	13 4	1 55	2 9	12 59		n.a.
T 11	22 49	3n 4	1 21	25 21	2 1	10 0	2 26	5 9	2 3	10 57	1 1	17 2	1 59	23 47	0 30	21 51	0 59	1 8	13 5	1 55	2 11	13 0		n.a.
W12	22 56	7 32	2 31	25 30	2 3	10 25	2 25	4 57	2 3	10 56	1 1	17 1	1 59	23 47	0 30	21 51	0 59	1 7	13 5	1 56	2 12	13 2		n.a.
T 13	23 3	11 38	3 33	25 37	2 3	10 50	2 23	4 45	2 4	10 55	1 1	16 59	1 58	23 48	0 30	21 51	0 59	1 7	13 5	1 58	2 13	13 3		n.a.
F 14	23 9	15 4	4 21	25 42	2 4	11 15	2 22	4 33	2 4	10 54	1 0	16 57	1 58	23 48	0 30	21 52	0 59	1 6	13 5	2 1	2 14	13 5		n.a.
S 15	23 14	17 29	4 51	25 46	2 4	11 40	2 21	4 22	2 5	10 53	1 0	16 56	1 58	23 48	0 30	21 52	0 59	1 6	13 6	2 6	2 16	13 6		n.a.
S 16	23 19	18 40	5 0	25 48	2 3	12 5	2 19	4 10	2 5	10 52	1 0	16 54	1 58	23 48	0 30	21 52	0 58	1 6	13 6	2 11	2 17	13 7		n.a.
M17	23 24	18 33	4 49	25 47	2 2	12 29	2 18	3 59	2 6	10 51	0 59	16 52	1 58	23 48	0 30	21 52	0 58	1 5	13 6	2 15	2 18	13 9		n.a.
T 18	23 28	17 13	4 19	25 45	2 1	12 54	2 16	3 47	2 7	10 51	0 59	16 51	1 58	23 49	0 30	21 53	0 58	1 5	13 6	2 19	2 20	13 10		n.a.
W19	23 32	14 52	3 35	25 41	1 59	13 18	2 15	3 36	2 7	10 50	0 59	16 49	1 58	23 49	0 30	21 53	0 58	1 5	13 7	2 23	2 21	13 11		n.a.
T 20	23 35	11 46	2 39	25 35	1 56	13 41	2 13	3 24	2 8	10 49	0 59	16 47	1 58	23 49	0 30	21 53	0 58	1 4	13 7	2 25	2 22	13 13		n.a.
F 21	23 38	8 12	1 37	25 27	1 53	14 5	2 11	3 13	2 8	10 49	0 58	16 45	1 57	23 49	0 30	21 53	0 58	1 4	13 7	2 26	2 23	13 14		n.a.
S 22	23 40	4 21	0 32	25 18	1 49	14 28	2 9	3 2	2 9	10 49	0 58	16 43	1 57	23 49	0 30	21 54	0 58	1 4	13 7	2 26	2 25	13 16		n.a.
S 23	23 42	0 26	0n33	25 6	1 44	14 51	2 7	2 51	2 9	10 48	0 58	16 41	1 57	23 50	0 30	21 54	0 58	1 4	13 8	2 26	2 26	13 17		n.a.
M24	23 44	3s26	1 35	24 52	1 38	15 13	2 5	2 40	2 10	10 48	0 57	16 40	1 57	23 50	0 30	21 54	0 58	1 3	13 8	2 26	2 27	13 18		n.a.
T 25	23 45	7 6	2 32	24 36	1 32	15 35	2 3	2 29	2 11	10 48	0 57	16 38	1 57	23 50	0 30	21 54	0 58	1 3	13 8	2 27	2 28	13 20		n.a.
W26	23 45	10 29	3 22	24 19	1 25	15 57	2 1	2 18	2 11	10 48	0 57	16 36	1 57	23 50	0 30	21 55	0 58	1 3	13 9	2 29	2 30	13 21		n.a.
T 27	23 45	13 26	4 4	23 59	1 17	16 19	1 59	2 7	2 12	10 48	0 57	16 34	1 57	23 51	0 30	21 55	0 58	1 3	13 9	2 32	2 31	13 22		n.a.
F 28	23 44	15 51	4 35	23 39	1 8	16 40	1 56	1 56	2 12	10 48	0 56	16 32	1 57	23 51	0 30	21 55	0 58	1 3	13 9	2 36	2 32	13 24		n.a.
S 29	23 43	17 37	4 54	23 16	0 58	17 0	1 54	1 45	2 13	10 48	0 56	16 30	1 57	23 51	0 31	21 55	0 58	1 3	13 10	2 41	2 34	13 25		n.a.
S 30	23 42	18 36	5 0	22 52	0 48	17 21	1 52	1 34	2 13	10 48	0 56	16 28	1 56	23 51	0 31	21 56	0 58	1 2	13 10	2 47	2 35	13 26		n.a.
M31	23s40	18s45	4n52	22s28	0s36	17s41	1n49	1n24	2n14	10n48	0s55	16s26	1s56	23n51	0n31	21s56	0n58	1n 2	13n10	2n53	2n36	13s28		n.a.

Julian Day Number = 1546437.5, Delta T = 04h33m57s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'21, Lahiri = -10°34'21 Julian Calendar 1 Dec. 480 BCE == Greg. Calendar 26 Nov. 480 BCE

The year -479 astronomical counting style corresponds to year 480 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

JANUARY 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 18 17	5♉43'27	18♉24	23♉41	26♏57	2♎ 3	0♉ 8	21♒22	10°R11	15♐ 6	29♎ 5	22°R36	23♍29	18♏26	n.a.	T 1
W 2	6 22 13	6°44'21	1♒ 1	24°54	28° 9	2°30	0° 8	21°28	10♋ 9	15° 8	29° 6	22♍25	23°25	18°32	n.a.	W 2
T 3	6 26 10	7°45'14	13°48	26° 1	29°21	2°57	0° 9	21°34	10° 6	15°10	29° 7	22°17	23°22	18°39	n.a.	T 3
F 4	6 30 6	8°46'05	26°46	27° 1	0♐34	3°24	0° 9	21°41	10° 3	15°12	29° 8	22°11	23°19	18°46	n.a.	F 4
S 5	6 34 3	9°46'54	9♓56	27°54	1°46	3°50	0°10	21°47	10° 1	15°14	29° 9	22° 9	23°16	18°53	n.a.	S 5
S 6	6 37 59	10°47'42	23°19	28°38	2°59	4°17	0°11	21°53	9°58	15°16	29°10	22°D 8	23°13	18°59	n.a.	S 6
M 7	6 41 56	11°48'28	6♈57	29°12	4°11	4°43	0°13	22° 0	9°55	15°18	29°12	22°R 8	23°10	19° 6	n.a.	M 7
T 8	6 45 53	12°49'12	20°52	29°37	5°24	5° 8	0°14	22° 6	9°53	15°20	29°13	22° 8	23° 6	19°13	n.a.	T 8
W 9	6 49 49	13°49'54	5♉ 3	29°52	6°37	5°34	0°16	22°12	9°50	15°22	29°14	22° 6	23° 3	19°19	n.a.	W 9
T 10	6 53 46	14°50'35	19°29	29°R57	7°49	5°59	0°18	22°19	9°48	15°25	29°15	22° 2	23° 0	19°26	n.a.	T 10
F 11	6 57 42	15°51'13	4♊ 8	29°50	9° 2	6°24	0°20	22°26	9°45	15°27	29°15	21°55	22°57	19°33	n.a.	F 11
S 12	7 1 39	16°51'50	18°53	29°33	10°15	6°49	0°22	22°32	9°42	15°29	29°16	21°46	22°54	19°39	n.a.	S 12
S 13	7 5 35	17°52'25	3♋38	29° 6	11°27	7°13	0°25	22°39	9°40	15°31	29°17	21°36	22°51	19°46	n.a.	S 13
M14	7 9 32	18°52'59	18°14	28°29	12°40	7°37	0°27	22°46	9°37	15°33	29°18	21°26	22°47	19°53	n.a.	M14
T 15	7 13 28	19°53'31	2♌32	27°44	13°53	8° 1	0°30	22°52	9°35	15°35	29°19	21°17	22°44	20° 0	n.a.	T 15
W16	7 17 25	20°54'01	16°29	26°51	15° 6	8°25	0°33	22°59	9°32	15°36	29°20	21°10	22°41	20° 6	n.a.	W16
T 17	7 21 22	21°54'29	0♍ 0	25°52	16°19	8°48	0°36	23° 6	9°29	15°38	29°20	21° 5	22°38	20°13	n.a.	T 17
F 18	7 25 18	22°54'56	13° 6	24°49	17°32	9°11	0°40	23°13	9°27	15°40	29°21	21° 3	22°35	20°20	n.a.	F 18
S 19	7 29 15	23°55'21	25°48	23°43	18°45	9°34	0°43	23°20	9°24	15°42	29°22	21°D 3	22°31	20°26	n.a.	S 19
S 20	7 33 11	24°55'45	8♎10	22°36	19°58	9°57	0°47	23°27	9°22	15°44	29°22	21° 4	22°28	20°33	n.a.	S 20
M21	7 37 8	25°56'07	20°16	21°30	21°11	10°19	0°51	23°34	9°19	15°46	29°23	21° 5	22°25	20°40	n.a.	M21
T 22	7 41 4	26°56'28	2♏11	20°26	22°24	10°41	0°55	23°41	9°17	15°48	29°23	21°R 5	22°22	20°46	n.a.	T 22
W23	7 45 1	27°56'47	14° 2	19°26	23°37	11° 2	1° 0	23°48	9°14	15°50	29°24	21° 3	22°19	20°53	n.a.	W23
T 24	7 48 57	28°57'04	25°52	18°30	24°50	11°23	1° 4	23°55	9°12	15°51	29°24	20°59	22°16	21° 0	n.a.	T 24
F 25	7 52 54	29°57'20	7♐48	17°41	26° 3	11°44	1° 9	24° 2	9°10	15°53	29°25	20°53	22°12	21° 7	n.a.	F 25
S 26	7 56 51	0♒57'35	19°51	16°57	27°16	12° 4	1°14	24° 9	9° 7	15°55	29°25	20°45	22° 9	21°13	n.a.	S 26
S 27	8 0 47	1°57'47	2♉ 6	16°20	28°29	12°24	1°19	24°17	9° 5	15°57	29°26	20°36	22° 6	21°20	n.a.	S 27
M28	8 4 44	2°57'58	14°33	15°51	29°42	12°44	1°24	24°24	9° 3	15°58	29°26	20°27	22° 3	21°27	n.a.	M28
T 29	8 8 40	3°58'06	27°15	15°28	0♊55	13° 3	1°30	24°31	9° 0	16° 0	29°26	20°18	22° 0	21°33	n.a.	T 29
W30	8 12 37	4°58'13	10♒10	15°13	2° 8	13°22	1°35	24°38	8°58	16° 2	29°26	20°11	21°57	21°40	n.a.	W30
T 31	8 16 33	5♒58'18	23♒19	15♉ 4	3♊21	13♎41	1♉41	24♒46	8♋56	16♐ 3	29♎27	20♍ 6	21♍53	21♏47	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23s37	18s 0	4n31	22s 2	0s24	18s 0	1n47	1n13	2n14	10n48	0s55	16s24	1s56	23n52	0n31	21s56	0n58	1n 2	13n11	2n58	2n37	13s29			n.a.
W 2	23 35	16 22	3 56	21 36	0 11	18 19	1 44	1 3	2 15	10 49	0 55	16 22	1 56	23 52	0 31	21 56	0 58	1 2	13 11	3 3	2 39	13 31			n.a.
T 3	23 31	13 54	3 8	21 10	0n 4	18 38	1 41	0 53	2 16	10 49	0 55	16 19	1 56	23 52	0 31	21 57	0 58	1 2	13 11	3 6	2 40	13 32			n.a.
F 4	23 27	10 43	2 10	20 43	0 19	18 56	1 39	0 43	2 16	10 50	0 54	16 17	1 56	23 52	0 31	21 57	0 58	1 2	13 12	3 8	2 41	13 33			n.a.
S 5	23 23	6 57	1 4	20 17	0 34	19 13	1 36	0 32	2 17	10 50	0 54	16 15	1 56	23 53	0 31	21 57	0 58	1 2	13 12	3 9	2 42	13 35			n.a.
S 6	23 18	2 47	0s 6	19 53	0 51	19 30	1 33	0 22	2 17	10 51	0 54	16 13	1 56	23 53	0 31	21 57	0 58	1 2	13 12	3 10	2 44	13 36			n.a.
M 7	23 13	1n36	1 18	19 29	1 8	19 47	1 30	0 12	2 18	10 52	0 53	16 11	1 56	23 53	0 31	21 58	0 58	1 2	13 13	3 9	2 45	13 37			n.a.
T 8	23 7	5 59	2 26	19 7	1 25	20 3	1 27	0 3	2 18	10 52	0 53	16 9	1 56	23 53	0 31	21 58	0 58	1 2	13 13	3 10	2 46	13 39			n.a.
W 9	23 1	10 7	3 27	18 47	1 42	20 18	1 25	0s 7	2 19	10 53	0 53	16 6	1 56	23 53	0 31	21 58	0 58	1 2	13 13	3 10	2 48	13 40			n.a.
T 10	22 55	13 44	4 16	18 29	1 59	20 33	1 22	0 17	2 19	10 54	0 53	16 4	1 56	23 54	0 31	21 58	0 58	1 2	13 14	3 12	2 49	13 41			n.a.
F 11	22 48	16 31	4 49	18 14	2 16	20 48	1 19	0 26	2 20	10 55	0 52	16 2	1 55	23 54	0 31	21 58	0 58	1 2	13 14	3 15	2 50	13 43			n.a.
S 12	22 40	18 15	5 3	18 1	2 33	21 2	1 16	0 36	2 20	10 56	0 52	16 0	1 55	23 54	0 31	21 59	0 58	1 2	13 14	3 18	2 51	13 44			n.a.
S 13	22 32	18 46	4 56	17 52	2 48	21 15	1 13	0 45	2 21	10 57	0 52	15 57	1 55	23 54	0 31	21 59	0 58	1 2	13 15	3 22	2 53	13 45			n.a.
M14	22 24	18 1	4 31	17 45	3 3	21 28	1 10	0 54	2 22	10 59	0 51	15 55	1 55	23 54	0 31	21 59	0 58	1 2	13 15	3 26	2 54	13 47			n.a.
T 15	22 15	16 8	3 49	17 41	3 16	21 40	1 7	1 3	2 22	11 0	0 51	15 53	1 55	23 55	0 31	21 59	0 58	1 2	13 16	3 30	2 55	13 48			n.a.
W16	22 6	13 20	2 54	17 41	3 27	21 51	1 4	1 12	2 23	11 1	0 51	15 51	1 55	23 55	0 31	22 0	0 59	1 2	13 16	3 33	2 56	13 49			n.a.
T 17	21 57	9 54	1 50	17 43	3 36	22 2	1 0	1 21	2 23	11 3	0 51	15 48	1 55	23 55	0 31	22 0	0 59	1 2	13 16	3 35	2 58	13 50			n.a.
F 18	21 47	6 4	0 42	17 47	3 43	22 12	0 57	1 30	2 24	11 4	0 50	15 46	1 55	23 55	0 31	22 0	0 59	1 2	13 17	3 35	2 59	13 52			n.a.
S 19	21 36	2 5	0n25	17 54	3 48	22 22	0 54	1 38	2 24	11 6	0 50	15 44	1 55	23 55	0 31	22 0	0 59	1 2	13 17	3 36	3 0	13 53			n.a.
S 20	21 25	1s54	1 30	18 2	3 50	22 31	0 51	1 47	2 25	11 7	0 50	15 41	1 55	23 55	0 31	22 0	0 59	1 3	13 17	3 35	3 1	13 54			n.a.
M21	21 14	5 42	2 30	18 13	3 51	22 39	0 48	1 55	2 25	11 9	0 49	15 39	1 55	23 56	0 31	22 1	0 59	1 3	13 18	3 35	3 3	13 56			n.a.
T 22	21 2	9 14	3 22	18 24	3 49	22 47	0 45	2 3	2 26	11 11	0 49	15 36	1 55	23 56	0 31	22 1	0 59	1 3	13 18	3 35	3 4	13 57			n.a.
W23	20 50	12 21	4 5	18 37	3 45	22 54	0 42	2 11	2 26	11 12	0 49	15 34	1 55	23 56	0 31	22 1	0 59	1 3	13 19	3 36	3 5	13 58			n.a.
T 24	20 38	14 58	4 38	18 50	3 39	23 0	0 39	2 19	2 27	11 14	0 49	15 31	1 55	23 56	0 31	22 1	0 59	1 3	13 19	3 37	3 7	14 0			n.a.
F 25	20 25	16 59	4 59	19 4	3 32	23 6	0 35	2 27	2 27	11 16	0 48	15 29	1 55	23 56	0 31	22 1	0 59	1 3	13 19	3 39	3 8	14 1			n.a.
S 26	20 12	18 16	5 7	19 18	3 23	23 11	0 32	2 34	2 28	11 18	0 48	15 27	1 55	23 57	0 31	22 1	0 59	1 4	13 20	3 43	3 9	14 2			n.a.
S 27	19 59	18 43	5 1	19 33	3 13	23 15	0 29	2 42	2 28	11 20	0 48	15 24	1 55	23 57	0 31	22 2	0 59	1 4	13 20	3 46	3 10	14 4			n.a.
M28	19 45	18 18	4 40	19 47	3 2	23 19	0 26	2 49	2 29	11 22	0 48	15 22	1 55	23 57	0 31	22 2	0 59	1 4	13 20	3 50	3 12	14 5			n.a.
T 29	19 31	16 58	4 6	20 1	2 50	23 22	0 23	2 56	2 29	11 24	0 47	15 19	1 55	23 57	0 31	22 2	0 59	1 4	13 21	3 53	3 13	14 6			n.a.
W30	19 16	14 44	3 18	20 15	2 38	23 24	0 20	3 3	2 29	11 27	0 47	15 17	1 55	23 57	0 31	22 2	0 59	1 5	13 21	3 56	3 14	14 7			n.a.
T 31	19s 1	11s44	2n19	20s29	2n25	23s26	0n17	3s10	2n30	11n29	0s47	15s14	1s55	23n57	0n31	22s 2	0n59	1n 5	13n22	3n58	3n15	14s 9			n.a.

Julian Day Number = 1546468.5, Delta T = 04h33m56s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'17, Lahiri = -10°34'16 Julian Calendar 1 Jan. 479 BCE == Greg. Calendar 27 Dec. 480 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

FEBRUARY 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 20 30	6♒58'21	6♓40	15°D 2	4♉34	13♎59	1♉47	24♒53	8°R53	16♐ 5	29♎27	20°R 3	21♍50	21♏54	n.a.	F 1
S 2	8 24 26	7°58'21	20°11	15♉ 6	5°47	14°16	1°53	25° 0	8♋51	16° 7	29°27	20°D 2	21°47	22° 0	n.a.	S 2
S 3	8 28 23	8°58'19	3♈53	15°16	7° 1	14°33	1°59	25° 8	8°49	16° 8	29°27	20♍ 3	21°44	22° 7	n.a.	S 3
M 4	8 32 19	9°58'15	17°43	15°32	8°14	14°50	2° 5	25°15	8°47	16°10	29°27	20° 4	21°41	22°14	n.a.	M 4
T 5	8 36 16	10°58'09	1♉43	15°53	9°27	15° 6	2°12	25°23	8°45	16°11	29°27	20° 6	21°37	22°20	n.a.	T 5
W 6	8 40 13	11°58'00	15°50	16°19	10°40	15°22	2°19	25°30	8°43	16°13	29°R27	20°R 6	21°34	22°27	n.a.	W 6
T 7	8 44 9	12°57'49	0♊ 3	16°50	11°53	15°38	2°26	25°37	8°41	16°14	29°27	20° 5	21°31	22°34	n.a.	T 7
F 8	8 48 6	13°57'35	14°21	17°26	13° 7	15°53	2°33	25°45	8°39	16°15	29°27	20° 2	21°28	22°40	n.a.	F 8
S 9	8 52 2	14°57'19	28°39	18° 5	14°20	16° 7	2°40	25°52	8°37	16°17	29°27	19°57	21°25	22°47	n.a.	S 9
S 10	8 55 59	15°57'01	12♋55	18°49	15°33	16°21	2°47	26° 0	8°35	16°18	29°27	19°52	21°22	22°54	n.a.	S 10
M11	8 59 55	16°56'41	27° 2	19°36	16°46	16°34	2°54	26° 8	8°33	16°20	29°27	19°47	21°18	23° 1	n.a.	M11
T 12	9 3 52	17°56'18	10♌56	20°26	17°59	16°47	3° 2	26°15	8°31	16°21	29°27	19°42	21°15	23° 7	n.a.	T 12
W13	9 7 48	18°55'53	24°34	21°20	19°13	17° 0	3°10	26°23	8°29	16°22	29°27	19°39	21°12	23°14	n.a.	W13
T 14	9 11 45	19°55'26	7♍53	22°16	20°26	17°11	3°18	26°30	8°27	16°23	29°26	19°37	21° 9	23°21	n.a.	T 14
F 15	9 15 42	20°54'56	20°52	23°16	21°39	17°23	3°26	26°38	8°26	16°25	29°26	19°D36	21° 6	23°27	n.a.	F 15
S 16	9 19 38	21°54'25	3♎32	24°18	22°52	17°33	3°34	26°45	8°24	16°26	29°26	19°37	21° 2	23°34	n.a.	S 16
S 17	9 23 35	22°53'52	15°54	25°22	24° 6	17°43	3°42	26°53	8°22	16°27	29°25	19°38	20°59	23°41	n.a.	S 17
M18	9 27 31	23°53'17	28° 2	26°29	25°19	17°53	3°50	27° 0	8°21	16°28	29°25	19°40	20°56	23°48	n.a.	M18
T 19	9 31 28	24°52'40	10♏ 0	27°39	26°32	18° 2	3°59	27° 8	8°19	16°29	29°24	19°42	20°53	23°54	n.a.	T 19
W20	9 35 24	25°52'01	21°53	28°50	27°45	18°10	4° 7	27°16	8°18	16°30	29°24	19°R42	20°50	24° 1	n.a.	W20
T 21	9 39 21	26°51'20	3♐46	0♒ 3	28°59	18°18	4°16	27°23	8°16	16°32	29°24	19°42	20°47	24° 8	n.a.	T 21
F 22	9 43 17	27°50'38	15°42	1°19	0♒12	18°25	4°25	27°31	8°15	16°33	29°23	19°41	20°43	24°14	n.a.	F 22
S 23	9 47 14	28°49'53	27°48	2°36	1°25	18°32	4°34	27°38	8°13	16°34	29°22	19°39	20°40	24°21	n.a.	S 23
S 24	9 51 10	29°49'07	10♉ 6	3°55	2°39	18°37	4°43	27°46	8°12	16°35	29°22	19°36	20°37	24°28	n.a.	S 24
M25	9 55 7	0♓48'18	22°40	5°16	3°52	18°42	4°53	27°54	8°11	16°35	29°21	19°33	20°34	24°34	n.a.	M25
T 26	9 59 4	1°47'28	5♒32	6°39	5° 5	18°47	5° 2	28° 1	8° 9	16°36	29°21	19°31	20°31	24°41	n.a.	T 26
W27	10 3 0	2°46'35	18°42	8° 3	6°19	18°51	5°11	28° 9	8° 8	16°37	29°20	19°28	20°28	24°48	n.a.	W27
T 28	10 6 57	3♓45'41	2♓11	9♒29	7♒32	18♎54	5♉21	28♒16	8♋ 7	16♐38	29♎19	19♍27	20♍24	24♏55	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s46	8s 4	1n12	20s42	2n12	23s27	0n14	3s17	2n30	11n31	0s47	15s12	1s55	23n57	0n31	22s 2	0n59	1n 5	13n22	3n59	3n17	14s10		n.a.
S 2	18 31	3 57	0s 1	20 54	1 59	23 27	0 10	3 23	2 31	11 34	0 46	15 9	1 55	23 58	0 31	22 3	0 59	1 5	13 22	4 0	3 18	14 11		n.a.
S 3	18 15	0n25	1 14	21 6	1 46	23 26	0 7	3 29	2 31	11 36	0 46	15 7	1 55	23 58	0 31	22 3	0 59	1 6	13 23	3 59	3 19	14 13		n.a.
M 4	17 59	4 49	2 25	21 17	1 33	23 25	0 4	3 36	2 32	11 38	0 46	15 4	1 55	23 58	0 31	22 3	0 59	1 6	13 23	3 59	3 21	14 14		n.a.
T 5	17 42	8 59	3 27	21 28	1 20	23 23	0 1	3 42	2 32	11 41	0 46	15 1	1 55	23 58	0 31	22 3	0 59	1 6	13 24	3 58	3 22	14 15		n.a.
W 6	17 26	12 41	4 17	21 37	1 8	23 21	0s 2	3 47	2 32	11 43	0 45	14 59	1 55	23 58	0 31	22 3	0 59	1 7	13 24	3 58	3 23	14 16		n.a.
T 7	17 8	15 40	4 52	21 46	0 55	23 17	0 5	3 53	2 33	11 46	0 45	14 56	1 55	23 58	0 31	22 3	0 59	1 7	13 24	3 59	3 24	14 18		n.a.
F 8	16 51	17 42	5 10	21 53	0 43	23 13	0 8	3 59	2 33	11 49	0 45	14 54	1 55	23 58	0 31	22 3	0 59	1 8	13 25	4 0	3 26	14 19		n.a.
S 9	16 34	18 37	5 8	22 0	0 31	23 8	0 10	4 4	2 33	11 51	0 45	14 51	1 55	23 59	0 31	22 4	0 59	1 8	13 25	4 2	3 27	14 20		n.a.
S 10	16 16	18 22	4 47	22 6	0 19	23 3	0 13	4 9	2 34	11 54	0 44	14 49	1 55	23 59	0 31	22 4	0 59	1 8	13 25	4 4	3 28	14 22		n.a.
M11	15 58	16 58	4 8	22 10	0 8	22 57	0 16	4 14	2 34	11 57	0 44	14 46	1 55	23 59	0 31	22 4	0 59	1 9	13 26	4 6	3 29	14 23		n.a.
T 12	15 39	14 35	3 16	22 13	0s 3	22 50	0 19	4 19	2 34	12 0	0 44	14 43	1 55	23 59	0 31	22 4	0 59	1 9	13 26	4 8	3 31	14 24		n.a.
W13	15 21	11 25	2 13	22 15	0 13	22 43	0 22	4 23	2 35	12 3	0 44	14 41	1 55	23 59	0 31	22 4	0 59	1 9	13 26	4 9	3 32	14 25		n.a.
T 14	15 2	7 44	1 4	22 16	0 24	22 35	0 24	4 27	2 35	12 6	0 43	14 38	1 55	23 59	0 31	22 4	0 59	1 10	13 27	4 10	3 33	14 27		n.a.
F 15	14 43	3 46	0n 7	22 16	0 33	22 26	0 27	4 32	2 35	12 9	0 43	14 36	1 55	23 59	0 31	22 4	0 59	1 10	13 27	4 10	3 34	14 28		n.a.
S 16	14 23	0s16	1 16	22 14	0 43	22 16	0 30	4 35	2 35	12 12	0 43	14 33	1 55	23 59	0 31	22 4	0 59	1 11	13 28	4 10	3 36	14 29		n.a.
S 17	14 4	4 12	2 19	22 11	0 52	22 6	0 32	4 39	2 35	12 15	0 43	14 30	1 55	23 59	0 30	22 4	0 59	1 11	13 28	4 9	3 37	14 30		n.a.
M18	13 44	7 52	3 16	22 7	1 0	21 55	0 35	4 43	2 36	12 18	0 43	14 28	1 55	23 59	0 30	22 5	0 59	1 12	13 28	4 9	3 38	14 32		n.a.
T 19	13 24	11 10	4 3	22 1	1 8	21 44	0 38	4 46	2 36	12 21	0 42	14 25	1 55	24 0	0 30	22 5	0 59	1 12	13 29	4 8	3 40	14 33		n.a.
W20	13 4	13 59	4 39	21 54	1 16	21 32	0 40	4 49	2 36	12 24	0 42	14 23	1 55	24 0	0 30	22 5	0 59	1 13	13 29	4 8	3 41	14 34		n.a.
T 21	12 43	16 13	5 3	21 46	1 24	21 19	0 42	4 52	2 36	12 27	0 42	14 20	1 55	24 0	0 30	22 5	0 59	1 13	13 29	4 8	3 42	14 35		n.a.
F 22	12 23	17 46	5 14	21 36	1 30	21 6	0 45	4 55	2 36	12 30	0 42	14 17	1 55	24 0	0 30	22 5	0 59	1 14	13 30	4 8	3 43	14 37		n.a.
S 23	12 2	18 32	5 12	21 24	1 37	20 52	0 47	4 57	2 36	12 34	0 41	14 15	1 55	24 0	0 30	22 5	0 59	1 14	13 30	4 9	3 45	14 38		n.a.
S 24	11 41	18 27	4 55	21 11	1 43	20 38	0 49	4 59	2 36	12 37	0 41	14 12	1 55	24 0	0 30	22 5	0 59	1 15	13 30	4 10	3 46	14 39		n.a.
M25	11 20	17 29	4 24	20 57	1 48	20 22	0 52	5 1	2 36	12 40	0 41	14 9	1 55	24 0	0 30	22 5	0 59	1 15	13 31	4 11	3 47	14 40		n.a.
T 26	10 58	15 35	3 39	20 41	1 53	20 7	0 54	5 3	2 36	12 44	0 41	14 7	1 55	24 0	0 30	22 5	0 59	1 16	13 31	4 12	3 48	14 42		n.a.
W27	10 37	12 51	2 42	20 23	1 58	19 50	0 56	5 5	2 36	12 47	0 41	14 4	1 55	24 0	0 30	22 5	0 59	1 16	13 31	4 13	3 50	14 43		n.a.
T 28	10s15	9s22	1n34	20s 4	2s 2	19s34	0s58	5s 6	2n36	12n51	0s40	14s 2	1s55	24n 0	0n30	22s 5	0n59	1n17	13n32	4n14	3n51	14s44		n.a.

Julian Day Number = 1546499.5, Delta T = 04h33m55s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'13, Lahiri = -10°34'12 Julian Calendar 1 Feb. 479 BCE == Greg. Calendar 27 Jan. 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

MARCH 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 10 53	4♓44'44	15♓56	10♒57	8♒45	18♎56	5♉31	28♒24	8°R 6	16♐39	29°R18	19°D26	20♍21	25♏ 1	n.a.	F 1
S 2	10 14 50	5°43'45	29°54	12°26	9°59	18°57	5°41	28°32	8♋ 5	16°40	29♎18	19♍27	20°18	25° 8	n.a.	S 2
S 3	10 18 46	6°42'44	14♈ 3	13°57	11°12	18°58	5°51	28°39	8° 4	16°40	29°17	19°27	20°15	25°15	n.a.	S 3
M 4	10 22 43	7°41'40	28°18	15°29	12°25	18°R58	6° 1	28°47	8° 3	16°41	29°16	19°28	20°12	25°21	n.a.	M 4
T 5	10 26 39	8°40'34	12♉35	17° 3	13°39	18°58	6°11	28°54	8° 2	16°42	29°15	19°29	20° 8	25°28	n.a.	T 5
W 6	10 30 36	9°39'26	26°52	18°38	14°52	18°56	6°21	29° 2	8° 1	16°42	29°14	19°30	20° 5	25°35	n.a.	W 6
T 7	10 34 33	10°38'15	11♊ 5	20°15	16° 5	18°54	6°31	29° 9	8° 0	16°43	29°13	19°R30	20° 2	25°42	n.a.	T 7
F 8	10 38 29	11°37'02	25°13	21°53	17°18	18°51	6°42	29°17	8° 0	16°44	29°12	19°30	19°59	25°48	n.a.	F 8
S 9	10 42 26	12°35'47	9♋13	23°33	18°32	18°48	6°52	29°24	7°59	16°44	29°12	19°29	19°56	25°55	n.a.	S 9
S 10	10 46 22	13°34'29	23° 3	25°15	19°45	18°44	7° 3	29°32	7°58	16°45	29°11	19°29	19°53	26° 2	n.a.	S 10
M11	10 50 19	14°33'09	6♌42	26°58	20°58	18°38	7°14	29°39	7°58	16°45	29°10	19°28	19°49	26° 8	n.a.	M11
T 12	10 54 15	15°31'47	20° 9	28°42	22°12	18°33	7°24	29°47	7°57	16°46	29° 8	19°27	19°46	26°15	n.a.	T 12
W13	10 58 12	16°30'22	3♍22	0♓28	23°25	18°26	7°35	29°54	7°57	16°46	29° 7	19°27	19°43	26°22	n.a.	W13
T 14	11 2 8	17°28'55	16°20	2°16	24°38	18°18	7°46	0♓ 1	7°56	16°46	29° 6	19°D27	19°40	26°29	n.a.	T 14
F 15	11 6 5	18°27'26	29° 4	4° 5	25°52	18°10	7°57	0° 9	7°56	16°47	29° 5	19°27	19°37	26°35	n.a.	F 15
S 16	11 10 1	19°25'55	11♎33	5°56	27° 5	18° 1	8° 9	0°16	7°55	16°47	29° 4	19°R27	19°33	26°42	n.a.	S 16
S 17	11 13 58	20°24'23	23°50	7°49	28°18	17°52	8°20	0°23	7°55	16°47	29° 3	19°27	19°30	26°49	n.a.	S 17
M18	11 17 55	21°22'48	5♏56	9°43	29°32	17°41	8°31	0°31	7°55	16°48	29° 2	19°27	19°27	26°55	n.a.	M18
T 19	11 21 51	22°21'12	17°54	11°38	0♓45	17°30	8°43	0°38	7°55	16°48	29° 0	19°27	19°24	27° 2	n.a.	T 19
W20	11 25 48	23°19'34	29°48	13°35	1°58	17°18	8°54	0°45	7°55	16°48	28°59	19°26	19°21	27° 9	n.a.	W20
T 21	11 29 44	24°17'54	11♐41	15°34	3°12	17° 6	9° 6	0°52	7°55	16°48	28°58	19°26	19°18	27°16	n.a.	T 21
F 22	11 33 41	25°16'13	23°37	17°34	4°25	16°52	9°17	0°59	7°D54	16°48	28°57	19°D26	19°14	27°22	n.a.	F 22
S 23	11 37 37	26°14'30	5♑42	19°36	5°38	16°38	9°29	1° 7	7°55	16°48	28°55	19°26	19°11	27°29	n.a.	S 23
S 24	11 41 34	27°12'45	17°59	21°39	6°52	16°24	9°41	1°14	7°55	16°49	28°54	19°26	19° 8	27°36	n.a.	S 24
M25	11 45 30	28°10'59	0♒34	23°43	8° 5	16° 8	9°53	1°21	7°55	16°R49	28°53	19°27	19° 5	27°42	n.a.	M25
T 26	11 49 27	29° 9'11	13°29	25°49	9°18	15°52	10° 5	1°28	7°55	16°49	28°51	19°28	19° 2	27°49	n.a.	T 26
W27	11 53 24	0♈ 7'21	26°46	27°55	10°32	15°36	10°16	1°35	7°55	16°49	28°50	19°29	18°59	27°56	n.a.	W27
T 28	11 57 20	1° 5'30	10♓27	0♈ 3	11°45	15°19	10°29	1°42	7°56	16°48	28°49	19°29	18°55	28° 3	n.a.	T 28
F 29	12 1 17	2° 3'37	24°30	2°12	12°59	15° 1	10°41	1°49	7°56	16°48	28°47	19°R29	18°52	28° 9	n.a.	F 29
S 30	12 5 13	3° 1'42	8♈52	4°21	14°12	14°43	10°53	1°56	7°56	16°48	28°46	19°29	18°49	28°16	n.a.	S 30
S 31	12 9 10	3♈59'45	23♈28	6♈30	15♓25	14♎24	11♉ 5	2♓ 3	7♋57	16♐48	28♎44	19♍28	18♍46	28♏23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s54	5s19	0n19	19s44	2s 6	19s16	1s 0	5s 7	2n35	12n54	0s40	13s59	1s55	24n 0	0n30	22s 5	0n59	1n17	13n32	4n14	3n52	14s45		n.a.
S 2	9 32	0 55	0s58	19 22	2 9	18 58	1 2	5 8	2 35	12 57	0 40	13 56	1 55	24 0	0 30	22 5	0 59	1 18	13 32	4 14	3 53	14 46		n.a.
S 3	9 10	3n35	2 12	18 58	2 12	18 40	1 4	5 8	2 35	13 1	0 40	13 54	1 56	24 0	0 30	22 5	0 59	1 18	13 32	4 14	3 55	14 48		n.a.
M 4	8 48	7 55	3 19	18 32	2 15	18 21	1 6	5 9	2 35	13 5	0 40	13 51	1 56	24 0	0 30	22 6	0 59	1 19	13 33	4 13	3 56	14 49		n.a.
T 5	8 25	11 47	4 14	18 6	2 16	18 1	1 8	5 9	2 34	13 8	0 39	13 49	1 56	24 0	0 30	22 6	0 59	1 20	13 33	4 13	3 57	14 50		n.a.
W 6	8 3	14 58	4 53	17 37	2 18	17 41	1 9	5 9	2 34	13 12	0 39	13 46	1 56	24 0	0 30	22 6	0 59	1 20	13 33	4 13	3 59	14 51		n.a.
T 7	7 40	17 13	5 13	17 7	2 19	17 21	1 11	5 8	2 34	13 15	0 39	13 43	1 56	24 0	0 30	22 6	0 59	1 21	13 34	4 13	4 0	14 53		n.a.
F 8	7 18	18 25	5 15	16 35	2 19	17 0	1 13	5 7	2 33	13 19	0 39	13 41	1 56	24 1	0 30	22 6	0 59	1 21	13 34	4 13	4 1	14 54		n.a.
S 9	6 55	18 28	4 58	16 1	2 19	16 38	1 14	5 7	2 32	13 23	0 39	13 38	1 56	24 1	0 30	22 6	0 59	1 22	13 34	4 13	4 2	14 55		n.a.
S 10	6 32	17 25	4 24	15 26	2 18	16 17	1 16	5 5	2 32	13 26	0 38	13 36	1 56	24 1	0 30	22 6	0 59	1 22	13 34	4 13	4 4	14 56		n.a.
M11	6 10	15 22	3 35	14 50	2 17	15 54	1 17	5 4	2 31	13 30	0 38	13 33	1 56	24 1	0 30	22 6	0 59	1 23	13 35	4 13	4 5	14 57		n.a.
T 12	5 47	12 30	2 36	14 11	2 16	15 31	1 18	5 3	2 31	13 34	0 38	13 30	1 56	24 1	0 30	22 6	0 59	1 24	13 35	4 14	4 6	14 59		n.a.
W13	5 24	9 2	1 28	13 31	2 13	15 8	1 20	5 1	2 30	13 38	0 38	13 28	1 56	24 1	0 30	22 6	0 59	1 24	13 35	4 14	4 7	15 0		n.a.
T 14	5 0	5 12	0 17	12 50	2 11	14 45	1 21	4 59	2 29	13 41	0 38	13 25	1 56	24 1	0 30	22 6	1 0	1 25	13 35	4 14	4 9	15 1		n.a.
F 15	4 37	1 11	0n53	12 7	2 7	14 21	1 22	4 56	2 28	13 45	0 37	13 23	1 57	24 1	0 30	22 6	1 0	1 25	13 36	4 14	4 10	15 2		n.a.
S 16	4 14	2s48	2 0	11 22	2 4	13 56	1 23	4 54	2 27	13 49	0 37	13 20	1 57	24 1	0 30	22 6	1 0	1 26	13 36	4 14	4 11	15 3		n.a.
S 17	3 51	6 36	2 59	10 36	1 59	13 32	1 24	4 51	2 26	13 53	0 37	13 18	1 57	24 1	0 30	22 6	1 0	1 27	13 36	4 14	4 12	15 5		n.a.
M18	3 28	10 3	3 50	9 48	1 55	13 7	1 25	4 48	2 25	13 57	0 37	13 15	1 57	24 1	0 30	22 6	1 0	1 27	13 36	4 14	4 14	15 6		n.a.
T 19	3 4	13 4	4 30	8 58	1 49	12 41	1 26	4 45	2 24	14 1	0 37	13 13	1 57	24 1	0 30	22 6	1 0	1 28	13 37	4 14	4 15	15 7		n.a.
W20	2 41	15 30	4 59	8 7	1 43	12 15	1 27	4 41	2 23	14 4	0 37	13 10	1 57	24 1	0 30	22 6	1 0	1 28	13 37	4 14	4 16	15 8		n.a.
T 21	2 18	17 17	5 14	7 15	1 37	11 49	1 27	4 38	2 21	14 8	0 36	13 8	1 57	24 1	0 30	22 6	1 0	1 29	13 37	4 14	4 17	15 9		n.a.
F 22	1 54	18 20	5 16	6 21	1 30	11 23	1 28	4 34	2 20	14 12	0 36	13 5	1 57	24 1	0 30	22 6	1 0	1 30	13 37	4 14	4 19	15 11		n.a.
S 23	1 31	18 33	5 4	5 26	1 22	10 56	1 29	4 30	2 19	14 16	0 36	13 3	1 57	24 1	0 30	22 6	1 0	1 30	13 37	4 14	4 20	15 12		n.a.
S 24	1 7	17 55	4 39	4 30	1 15	10 29	1 29	4 25	2 17	14 20	0 36	13 0	1 58	24 1	0 30	22 6	1 0	1 31	13 38	4 14	4 21	15 13		n.a.
M25	0 44	16 24	3 59	3 32	1 6	10 2	1 30	4 21	2 16	14 24	0 36	12 58	1 58	24 1	0 30	22 6	1 0	1 32	13 38	4 14	4 23	15 14		n.a.
T 26	0 20	14 1	3 7	2 34	0 57	9 34	1 30	4 16	2 14	14 28	0 36	12 55	1 58	24 0	0 30	22 6	1 0	1 32	13 38	4 13	4 24	15 15		n.a.
W27	0n 3	10 50	2 3	1 34	0 48	9 6	1 30	4 11	2 12	14 32	0 35	12 53	1 58	24 0	0 30	22 6	1 0	1 33	13 38	4 13	4 25	15 16		n.a.
T 28	0 26	6 59	0 50	0 34	0 38	8 38	1 31	4 6	2 10	14 36	0 35	12 51	1 58	24 0	0 30	22 6	1 0	1 33	13 38	4 13	4 26	15 18		n.a.
F 29	0 50	2 38	0s28	0n27	0 28	8 10	1 31	4 1	2 9	14 40	0 35	12 48	1 58	24 0	0 30	22 6	1 0	1 34	13 38	4 13	4 28	15 19		n.a.
S 30	1 13	1n57	1 45	1 28	0 18	7 42	1 31	3 56	2 7	14 44	0 35	12 46	1 58	24 0	0 30	22 6	1 0	1 35	13 38	4 13	4 29	15 20		n.a.
S 31	1n36	6n29	2s57	2n30	0s 8	7s13	1s31	3s50	2n 5	14n48	0s35	12s43	1s59	24n 0	0n30	22s 6	1n 0	1n35	13n39	4n14	4n30	15s21		n.a.

Julian Day Number = 1546527.5, Delta T = 04h33m54s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'09, Lahiri = -10°34'08 Julian Calendar 1 March 479 BCE == Greg. Calendar 24 Feb. 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

APRIL 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 13 6	4♈57'47	8♉10	8♈39	16♓39	14°R 5	11♉17	2♓ 9	7♋57	16°R48	28°R43	19°R26	18♍43	28♏29	n.a.	M 1
T 2	12 17 3	5°55'47	22°53	10°49	17°52	13♎45	11°30	2°16	7°58	16♐48	28♎41	19♍24	18°39	28°36	n.a.	T 2
W 3	12 20 59	6°53'45	7♊29	12°57	19° 5	13°26	11°42	2°23	7°58	16°47	28°40	19°22	18°36	28°43	n.a.	W 3
T 4	12 24 56	7°51'40	21°54	15° 6	20°19	13° 5	11°55	2°30	7°59	16°47	28°38	19°21	18°33	28°50	n.a.	T 4
F 5	12 28 52	8°49'34	6♋ 4	17°13	21°32	12°45	12° 7	2°36	8° 0	16°47	28°37	19°D20	18°30	28°56	n.a.	F 5
S 6	12 32 49	9°47'26	19°57	19°18	22°45	12°24	12°20	2°43	8° 1	16°46	28°35	19°20	18°27	29° 3	n.a.	S 6
S 7	12 36 46	10°45'16	3♌32	21°23	23°59	12° 3	12°32	2°49	8° 1	16°46	28°34	19°21	18°24	29°10	n.a.	S 7
M 8	12 40 42	11°43'04	16°52	23°25	25°12	11°42	12°45	2°56	8° 2	16°46	28°32	19°23	18°20	29°16	n.a.	M 8
T 9	12 44 39	12°40'51	29°55	25°25	26°25	11°21	12°58	3° 2	8° 3	16°45	28°31	19°24	18°17	29°23	n.a.	T 9
W10	12 48 35	13°38'35	12♍45	27°23	27°39	10°59	13°11	3° 9	8° 4	16°45	28°29	19°25	18°14	29°30	n.a.	W10
T 11	12 52 32	14°36'18	25°23	29°18	28°52	10°38	13°24	3°15	8° 5	16°44	28°27	19°R25	18°11	29°37	n.a.	T 11
F 12	12 56 28	15°33'59	7♎49	1♉11	0♈ 5	10°17	13°36	3°22	8° 6	16°44	28°26	19°24	18° 8	29°43	n.a.	F 12
S 13	13 0 25	16°31'39	20° 6	3° 0	1°19	9°56	13°49	3°28	8° 8	16°43	28°24	19°21	18° 5	29°50	n.a.	S 13
S 14	13 4 21	17°29'17	2♏14	4°47	2°32	9°34	14° 2	3°34	8° 9	16°42	28°23	19°17	18° 1	29°57	n.a.	S 14
M15	13 8 18	18°26'54	14°14	6°31	3°46	9°13	14°15	3°40	8°10	16°42	28°21	19°13	17°58	0♐ 3	n.a.	M15
T 16	13 12 15	19°24'30	26°10	8°12	4°59	8°53	14°28	3°46	8°11	16°41	28°19	19° 8	17°55	0°10	n.a.	T 16
W17	13 16 11	20°22'05	8♐ 3	9°49	6°12	8°32	14°41	3°52	8°13	16°40	28°18	19° 2	17°52	0°17	n.a.	W17
T 18	13 20 8	21°19'38	19°55	11°23	7°26	8°12	14°55	3°58	8°14	16°40	28°16	18°58	17°49	0°24	n.a.	T 18
F 19	13 24 4	22°17'11	1♑51	12°54	8°39	7°52	15° 8	4° 4	8°15	16°39	28°15	18°55	17°45	0°30	n.a.	F 19
S 20	13 28 1	23°14'42	13°54	14°22	9°52	7°32	15°21	4°10	8°17	16°38	28°13	18°53	17°42	0°37	n.a.	S 20
S 21	13 31 57	24°12'12	26° 9	15°46	11° 6	7°13	15°34	4°16	8°19	16°37	28°11	18°D52	17°39	0°44	n.a.	S 21
M22	13 35 54	25° 9'42	8♒41	17° 6	12°19	6°54	15°47	4°22	8°20	16°36	28°10	18°53	17°36	0°50	n.a.	M22
T 23	13 39 50	26° 7'10	21°33	18°24	13°33	6°36	16° 1	4°27	8°22	16°36	28° 8	18°54	17°33	0°57	n.a.	T 23
W24	13 43 47	27° 4'38	4♓49	19°37	14°46	6°18	16°14	4°33	8°23	16°35	28° 6	18°56	17°30	1° 4	n.a.	W24
T 25	13 47 44	28° 2'04	18°32	20°47	15°59	6° 1	16°27	4°39	8°25	16°34	28° 5	18°R57	17°26	1°11	n.a.	T 25
F 26	13 51 40	28°59'30	2♈42	21°54	17°13	5°45	16°41	4°44	8°27	16°33	28° 3	18°56	17°23	1°17	n.a.	F 26
S 27	13 55 37	29°56'54	17°16	22°56	18°26	5°29	16°54	4°50	8°29	16°32	28° 1	18°53	17°20	1°24	n.a.	S 27
S 28	13 59 33	0♉54'18	2♉10	23°55	19°40	5°13	17° 8	4°55	8°31	16°31	28° 0	18°49	17°17	1°31	n.a.	S 28
M29	14 3 30	1°51'41	17°14	24°51	20°53	4°59	17°21	5° 0	8°33	16°30	27°58	18°43	17°14	1°37	n.a.	M29
T 30	14 7 26	2♉49'03	2♊20	25♉42	22♈ 7	4♎45	17♉34	5♓ 5	8♋35	16♐29	27♎56	18♍37	17♍10	1♐44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n 0	10n40	3s58	3n31	0n 3	6s44	1s31	3s45	2n 3	14n52	0s35	12s41	1s59	24n 0	0n30	22s 6	1n 0	1n36	13n39	4n14	4n31	15s22		n.a.
T 2	2 23	14 11	4 43	4 33	0 14	6 15	1 31	3 39	2 0	14 56	0 34	12 39	1 59	24 0	0 30	22 6	1 0	1 37	13 39	4 15	4 33	15 23		n.a.
W 3	2 46	16 46	5 9	5 33	0 24	5 46	1 31	3 33	1 58	15 0	0 34	12 36	1 59	24 0	0 30	22 5	1 0	1 37	13 39	4 16	4 34	15 25		n.a.
T 4	3 9	18 15	5 15	6 34	0 35	5 16	1 31	3 27	1 56	15 4	0 34	12 34	1 59	24 0	0 30	22 5	1 0	1 38	13 39	4 16	4 35	15 26		n.a.
F 5	3 33	18 35	5 2	7 33	0 46	4 47	1 30	3 22	1 53	15 8	0 34	12 32	1 59	24 0	0 30	22 5	1 0	1 38	13 39	4 17	4 36	15 27		n.a.
S 6	3 56	17 46	4 32	8 31	0 56	4 17	1 30	3 16	1 51	15 12	0 34	12 30	1 59	24 0	0 30	22 5	1 0	1 39	13 39	4 16	4 38	15 28		n.a.
S 7	4 19	15 57	3 46	9 28	1 6	3 47	1 29	3 10	1 48	15 16	0 34	12 27	2 0	24 0	0 30	22 5	1 0	1 40	13 39	4 16	4 39	15 29		n.a.
M 8	4 42	13 17	2 50	10 23	1 16	3 17	1 29	3 4	1 46	15 20	0 34	12 25	2 0	24 0	0 30	22 5	1 0	1 40	13 39	4 15	4 40	15 30		n.a.
T 9	5 4	10 0	1 45	11 17	1 25	2 47	1 28	2 58	1 43	15 24	0 33	12 23	2 0	24 0	0 30	22 5	1 0	1 41	13 39	4 15	4 41	15 32		n.a.
W10	5 27	6 18	0 37	12 8	1 34	2 17	1 28	2 52	1 41	15 28	0 33	12 21	2 0	24 0	0 30	22 5	1 0	1 41	13 39	4 15	4 43	15 33		n.a.
T 11	5 50	2 21	0n33	12 58	1 43	1 47	1 27	2 46	1 38	15 32	0 33	12 18	2 0	24 0	0 30	22 5	1 0	1 42	13 40	4 15	4 44	15 34		n.a.
F 12	6 12	1s37	1 39	13 45	1 50	1 17	1 26	2 40	1 35	15 36	0 33	12 16	2 0	23 59	0 30	22 5	1 0	1 43	13 40	4 15	4 45	15 35		n.a.
S 13	6 35	5 29	2 40	14 31	1 57	0 47	1 26	2 34	1 32	15 40	0 33	12 14	2 1	23 59	0 30	22 5	1 0	1 43	13 40	4 16	4 46	15 36		n.a.
S 14	6 57	9 4	3 33	15 14	2 4	0 16	1 25	2 29	1 29	15 44	0 33	12 12	2 1	23 59	0 30	22 5	1 0	1 44	13 40	4 18	4 48	15 37		n.a.
M15	7 19	12 15	4 16	15 54	2 10	0n14	1 24	2 23	1 26	15 48	0 33	12 10	2 1	23 59	0 30	22 5	1 0	1 44	13 40	4 19	4 49	15 38		n.a.
T 16	7 41	14 53	4 47	16 33	2 15	0 44	1 23	2 17	1 23	15 52	0 32	12 8	2 1	23 59	0 29	22 5	1 0	1 45	13 40	4 21	4 50	15 40		n.a.
W17	8 3	16 54	5 6	17 9	2 19	1 15	1 22	2 12	1 20	15 56	0 32	12 6	2 1	23 59	0 29	22 4	1 0	1 45	13 40	4 23	4 51	15 41		n.a.
T 18	8 25	18 11	5 12	17 42	2 23	1 45	1 21	2 7	1 17	16 0	0 32	12 4	2 2	23 59	0 29	22 4	1 0	1 46	13 40	4 25	4 53	15 42		n.a.
F 19	8 47	18 40	5 4	18 13	2 25	2 15	1 20	2 1	1 14	16 4	0 32	12 2	2 2	23 59	0 29	22 4	1 0	1 46	13 40	4 27	4 54	15 43		n.a.
S 20	9 9	18 20	4 43	18 42	2 27	2 46	1 19	1 57	1 11	16 8	0 32	12 0	2 2	23 59	0 29	22 4	1 0	1 47	13 40	4 27	4 55	15 44		n.a.
S 21	9 30	17 8	4 9	19 8	2 29	3 16	1 17	1 52	1 8	16 12	0 32	11 58	2 2	23 59	0 29	22 4	1 0	1 48	13 40	4 27	4 56	15 45		n.a.
M22	9 52	15 5	3 22	19 32	2 29	3 46	1 16	1 47	1 5	16 16	0 32	11 56	2 2	23 58	0 29	22 4	1 0	1 48	13 39	4 27	4 58	15 46		n.a.
T 23	10 13	12 14	2 24	19 54	2 28	4 16	1 15	1 43	1 2	16 20	0 32	11 54	2 3	23 58	0 29	22 4	1 0	1 49	13 39	4 27	4 59	15 47		n.a.
W24	10 34	8 41	1 16	20 13	2 27	4 46	1 13	1 38	0 59	16 24	0 31	11 52	2 3	23 58	0 29	22 4	1 0	1 49	13 39	4 26	5 0	15 48		n.a.
T 25	10 55	4 33	0 2	20 31	2 25	5 16	1 12	1 35	0 55	16 28	0 31	11 50	2 3	23 58	0 29	22 4	1 0	1 50	13 39	4 26	5 1	15 50		n.a.
F 26	11 15	0 3	1s14	20 45	2 22	5 46	1 10	1 31	0 52	16 32	0 31	11 48	2 3	23 58	0 29	22 4	1 0	1 50	13 39	4 26	5 3	15 51		n.a.
S 27	11 36	4n36	2 28	20 58	2 18	6 16	1 9	1 27	0 49	16 36	0 31	11 46	2 3	23 58	0 29	22 3	1 0	1 51	13 39	4 27	5 4	15 52		n.a.
S 28	11 56	9 3	3 33	21 9	2 13	6 45	1 7	1 24	0 46	16 40	0 31	11 45	2 4	23 58	0 29	22 3	1 0	1 51	13 39	4 29	5 5	15 53		n.a.
M29	12 16	12 59	4 24	21 17	2 7	7 15	1 5	1 21	0 43	16 44	0 31	11 43	2 4	23 57	0 29	22 3	1 0	1 52	13 39	4 31	5 7	15 54		n.a.
T 30	12n36	16n 4	4s56	21n23	2n 1	7n44	1s 4	1s18	0n40	16n48	0s31	11s41	2s 4	23n57	0n29	22s 3	1n 0	1n52	13n39	4n34	5n 8	15s55		n.a.

Julian Day Number = 1546558.5, Delta T = 04h33m52s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'05, Lahiri = -10°34'04 Julian Calendar 1 Apr. 479 BCE == Greg. Calendar 27 March 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

MAY 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 11 23	3♉46'23	17♊18	26♉29	23♈20	4°R32	17♉48	5♓11	8♋37	16°R28	27°R55	18°R31	17♍ 7	1♐51	n.a.	W 1
T 2	14 15 19	4°43'43	2♋ 0	27°12	24°33	4♎19	18° 1	5°16	8°39	16♐27	27♎53	18♍25	17° 4	1°58	n.a.	T 2
F 3	14 19 16	5°41'01	16°20	27°51	25°47	4° 7	18°15	5°21	8°41	16°26	27°51	18°22	17° 1	2° 4	n.a.	F 3
S 4	14 23 13	6°38'18	0♌16	28°26	27° 0	3°56	18°29	5°26	8°43	16°24	27°50	18°20	16°58	2°11	n.a.	S 4
S 5	14 27 9	7°35'34	13°48	28°56	28°14	3°46	18°42	5°31	8°45	16°23	27°48	18°D20	16°55	2°18	n.a.	S 5
M 6	14 31 6	8°32'49	26°58	29°22	29°27	3°37	18°56	5°35	8°47	16°22	27°47	18°21	16°51	2°24	n.a.	M 6
T 7	14 35 2	9°30'03	9♍49	29°44	0♉41	3°28	19° 9	5°40	8°49	16°21	27°45	18°22	16°48	2°31	n.a.	T 7
W 8	14 38 59	10°27'16	22°23	0♊ 1	1°54	3°21	19°23	5°45	8°52	16°20	27°43	18°R22	16°45	2°38	n.a.	W 8
T 9	14 42 55	11°24'27	4♎45	0°13	3° 8	3°14	19°37	5°49	8°54	16°19	27°42	18°21	16°42	2°45	n.a.	T 9
F 10	14 46 52	12°21'38	16°57	0°21	4°21	3° 8	19°50	5°54	8°57	16°17	27°40	18°17	16°39	2°51	n.a.	F 10
S 11	14 50 48	13°18'49	29° 2	0°R24	5°35	3° 3	20° 4	5°58	8°59	16°16	27°39	18°11	16°36	2°58	n.a.	S 11
S 12	14 54 45	14°15'58	11♏ 2	0°23	6°48	2°58	20°17	6° 3	9° 1	16°15	27°37	18° 3	16°32	3° 5	n.a.	S 12
M13	14 58 42	15°13'07	22°57	0°17	8° 2	2°55	20°31	6° 7	9° 4	16°13	27°35	17°53	16°29	3°12	n.a.	M13
T 14	15 2 38	16°10'16	4♐50	0° 7	9°15	2°52	20°45	6°11	9° 6	16°12	27°34	17°43	16°26	3°18	n.a.	T 14
W15	15 6 35	17° 7'24	16°42	29♉53	10°29	2°50	20°58	6°15	9° 9	16°11	27°32	17°32	16°23	3°25	n.a.	W15
T 16	15 10 31	18° 4'32	28°36	29°35	11°42	2°49	21°12	6°19	9°12	16° 9	27°31	17°22	16°20	3°32	n.a.	T 16
F 17	15 14 28	19° 1'39	10♑33	29°13	12°56	2°D49	21°26	6°23	9°14	16° 8	27°29	17°14	16°16	3°38	n.a.	F 17
S 18	15 18 24	19°58'47	22°37	28°48	14° 9	2°49	21°39	6°27	9°17	16° 7	27°28	17° 8	16°13	3°45	n.a.	S 18
S 19	15 22 21	20°55'54	4♒51	28°20	15°23	2°50	21°53	6°31	9°20	16° 5	27°26	17° 5	16°10	3°52	n.a.	S 19
M20	15 26 17	21°53'01	17°20	27°50	16°36	2°53	22° 7	6°34	9°22	16° 4	27°25	17°D 4	16° 7	3°59	n.a.	M20
T 21	15 30 14	22°50'08	0♓ 8	27°17	17°50	2°56	22°21	6°38	9°25	16° 2	27°23	17° 4	16° 4	4° 5	n.a.	T 21
W22	15 34 11	23°47'15	13°19	26°43	19° 4	2°59	22°34	6°41	9°28	16° 1	27°22	17°R 4	16° 1	4°12	n.a.	W22
T 23	15 38 7	24°44'22	26°56	26° 8	20°17	3° 4	22°48	6°45	9°31	15°59	27°21	17° 4	15°57	4°19	n.a.	T 23
F 24	15 42 4	25°41'29	11♈ 2	25°33	21°31	3° 9	23° 2	6°48	9°34	15°58	27°19	17° 2	15°54	4°25	n.a.	F 24
S 25	15 46 0	26°38'36	25°36	24°59	22°44	3°15	23°15	6°51	9°37	15°56	27°18	16°57	15°51	4°32	n.a.	S 25
S 26	15 49 57	27°35'44	10♉34	24°25	23°58	3°22	23°29	6°54	9°40	15°55	27°16	16°50	15°48	4°39	n.a.	S 26
M27	15 53 53	28°32'51	25°47	23°52	25°12	3°29	23°43	6°57	9°43	15°53	27°15	16°42	15°45	4°46	n.a.	M27
T 28	15 57 50	29°29'58	11♊ 5	23°22	26°25	3°38	23°56	7° 0	9°46	15°52	27°14	16°32	15°41	4°52	n.a.	T 28
W29	16 1 46	0♊27'05	26°18	22°54	27°39	3°47	24°10	7° 3	9°49	15°50	27°12	16°22	15°38	4°59	n.a.	W29
T 30	16 5 43	1°24'12	11♋14	22°29	28°53	3°57	24°23	7° 6	9°52	15°49	27°11	16°13	15°35	5° 6	n.a.	T 30
F 31	16 9 40	2♊21'19	25♋46	22♉ 8	0♊ 6	4♎ 7	24♉37	7♓ 9	9♋55	15♐47	27♎10	16♍ 7	15♍32	5♐13	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	12n56	18n 1	5s 8	21n28	1n54	8n13	1s 2	1s16	0n36	16n52	0s31	11s39	2s 4	23n57	0n29	22s 3	1n 0	1n52	13n39	4n36	5n 9	15s56			n.a.
T 2	13 16	18 44	5 0	21 30	1 45	8 42	1 0	1 14	0 33	16 56	0 30	11 38	2 4	23 57	0 29	22 3	1 0	1 53	13 39	4 38	5 10	15 57			n.a.
F 3	13 35	18 13	4 33	21 30	1 36	9 11	0 58	1 12	0 30	17 0	0 30	11 36	2 5	23 57	0 29	22 3	1 0	1 53	13 38	4 40	5 12	15 58			n.a.
S 4	13 54	16 37	3 50	21 28	1 26	9 40	0 57	1 10	0 27	17 4	0 30	11 34	2 5	23 57	0 29	22 3	1 0	1 54	13 38	4 40	5 13	15 59			n.a.
S 5	14 13	14 6	2 55	21 25	1 16	10 8	0 55	1 9	0 24	17 8	0 30	11 33	2 5	23 57	0 29	22 3	1 0	1 54	13 38	4 40	5 14	16 1			n.a.
M 6	14 32	10 55	1 53	21 19	1 4	10 36	0 53	1 8	0 21	17 12	0 30	11 31	2 5	23 56	0 29	22 2	1 0	1 55	13 38	4 40	5 15	16 2			n.a.
T 7	14 51	7 17	0 46	21 12	0 52	11 4	0 51	1 7	0 18	17 16	0 30	11 30	2 6	23 56	0 29	22 2	1 1	1 55	13 38	4 39	5 17	16 3			n.a.
W 8	15 9	3 23	0n22	21 3	0 39	11 32	0 49	1 7	0 15	17 19	0 30	11 28	2 6	23 56	0 29	22 2	1 1	1 55	13 38	4 39	5 18	16 4			n.a.
T 9	15 27	0s35	1 27	20 52	0 25	11 59	0 47	1 7	0 12	17 23	0 30	11 27	2 6	23 56	0 29	22 2	1 1	1 56	13 37	4 40	5 19	16 5			n.a.
F 10	15 45	4 29	2 27	20 39	0 10	12 26	0 45	1 7	0 9	17 27	0 30	11 25	2 6	23 56	0 29	22 2	1 1	1 56	13 37	4 41	5 20	16 6			n.a.
S 11	16 2	8 10	3 20	20 25	0s 5	12 53	0 42	1 8	0 6	17 31	0 29	11 24	2 7	23 56	0 29	22 2	1 1	1 56	13 37	4 44	5 22	16 7			n.a.
S 12	16 20	11 28	4 4	20 10	0 20	13 20	0 40	1 9	0 3	17 35	0 29	11 22	2 7	23 55	0 29	22 2	1 1	1 57	13 37	4 47	5 23	16 8			n.a.
M13	16 37	14 18	4 36	19 53	0 36	13 46	0 38	1 10	0 1	17 38	0 29	11 21	2 7	23 55	0 29	22 1	1 1	1 57	13 37	4 51	5 24	16 9			n.a.
T 14	16 53	16 31	4 56	19 35	0 53	14 12	0 36	1 11	0s 2	17 42	0 29	11 20	2 7	23 55	0 29	22 1	1 1	1 58	13 36	4 55	5 25	16 10			n.a.
W15	17 10	18 2	5 4	19 16	1 9	14 37	0 34	1 13	0 5	17 46	0 29	11 18	2 8	23 55	0 29	22 1	1 1	1 58	13 36	4 59	5 27	16 11			n.a.
T 16	17 26	18 46	4 58	18 56	1 26	15 2	0 32	1 15	0 8	17 50	0 29	11 17	2 8	23 55	0 29	22 1	1 1	1 58	13 36	5 3	5 28	16 12			n.a.
F 17	17 42	18 41	4 39	18 35	1 43	15 27	0 29	1 17	0 10	17 53	0 29	11 16	2 8	23 54	0 29	22 1	1 1	1 58	13 36	5 6	5 29	16 13			n.a.
S 18	17 58	17 45	4 8	18 13	1 59	15 52	0 27	1 20	0 13	17 57	0 29	11 15	2 8	23 54	0 29	22 1	1 1	1 59	13 35	5 9	5 30	16 14			n.a.
S 19	18 13	15 59	3 25	17 51	2 15	16 16	0 25	1 23	0 16	18 1	0 29	11 13	2 9	23 54	0 29	22 1	1 1	1 59	13 35	5 10	5 32	16 15			n.a.
M20	18 28	13 26	2 31	17 29	2 31	16 40	0 22	1 26	0 18	18 4	0 29	11 12	2 9	23 54	0 29	22 0	1 1	1 59	13 35	5 11	5 33	16 17			n.a.
T 21	18 43	10 11	1 29	17 7	2 46	17 3	0 20	1 30	0 21	18 8	0 28	11 11	2 9	23 54	0 29	22 0	1 1	1 59	13 35	5 10	5 34	16 18			n.a.
W22	18 58	6 20	0 20	16 45	3 1	17 26	0 18	1 33	0 23	18 12	0 28	11 10	2 9	23 53	0 29	22 0	1 1	2 0	13 34	5 10	5 35	16 19			n.a.
T 23	19 12	2 2	0s52	16 23	3 14	17 48	0 16	1 38	0 26	18 15	0 28	11 9	2 10	23 53	0 29	22 0	1 1	2 0	13 34	5 10	5 37	16 20			n.a.
F 24	19 26	2n32	2 4	16 3	3 27	18 10	0 13	1 42	0 28	18 19	0 28	11 8	2 10	23 53	0 29	22 0	1 1	2 0	13 34	5 11	5 38	16 21			n.a.
S 25	19 39	7 5	3 9	15 44	3 38	18 31	0 11	1 46	0 30	18 23	0 28	11 7	2 10	23 53	0 29	22 0	1 1	2 0	13 33	5 13	5 39	16 22			n.a.
S 26	19 53	11 19	4 4	15 26	3 49	18 52	0 8	1 51	0 33	18 26	0 28	11 6	2 10	23 52	0 29	21 59	1 1	2 1	13 33	5 16	5 40	16 23			n.a.
M27	20 6	14 53	4 42	15 9	3 57	19 13	0 6	1 56	0 35	18 30	0 28	11 5	2 11	23 52	0 29	21 59	1 1	2 1	13 33	5 19	5 42	16 24			n.a.
T 28	20 18	17 26	5 0	14 54	4 5	19 33	0 4	2 2	0 37	18 33	0 28	11 4	2 11	23 52	0 29	21 59	1 1	2 1	13 32	5 23	5 43	16 25			n.a.
W29	20 31	18 45	4 57	14 42	4 11	19 52	0 1	2 7	0 39	18 37	0 28	11 4	2 11	23 52	0 29	21 59	1 1	2 1	13 32	5 27	5 44	16 26			n.a.
T 30	20 43	18 43	4 34	14 31	4 15	20 11	0n 1	2 13	0 42	18 40	0 28	11 3	2 12	23 51	0 29	21 59	1 1	2 1	13 32	5 30	5 45	16 27			n.a.
F 31	20n54	17n27	3s53	14n23	4s19	20n29	0n 3	2s20	0s44	18n44	0s28	11s 2	2s12	23n51	0n29	21s59	1n 1	2n 1	13n31	5n33	5n46	16s28			n.a.

Julian Day Number = 1546588.5, Delta T = 04h33m51s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°41'01, Lahiri = -10°34'00 Julian Calendar 1 May 479 BCE == Greg. Calendar 26 Apr. 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

JUNE 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 13 36	3♊18'26	9♌50	21°R50	1♊20	4♎18	24♉51	7♓11	9♋58	15°R46	27°R 9	16°R 3	15♍29	5♐19	n.a.	S 1
S 2	16 17 33	4°15'32	23°26	21♉37	2°34	4°30	25° 4	7°14	10° 1	15♐44	27♎ 7	16♍ 1	15°26	5°26	n.a.	S 2
M 3	16 21 29	5°12'38	6♍36	21°29	3°47	4°43	25°18	7°16	10° 5	15°42	27° 6	16°D 1	15°22	5°33	n.a.	M 3
T 4	16 25 26	6° 9'44	19°22	21°D25	5° 1	4°56	25°31	7°18	10° 8	15°41	27° 5	16°R 1	15°19	5°39	n.a.	T 4
W 5	16 29 22	7° 6'50	1♎50	21°25	6°15	5°10	25°45	7°21	10°11	15°39	27° 4	16° 0	15°16	5°46	n.a.	W 5
T 6	16 33 19	8° 3'56	14° 4	21°31	7°29	5°24	25°58	7°23	10°14	15°38	27° 3	15°57	15°13	5°53	n.a.	T 6
F 7	16 37 15	9° 1'02	26° 8	21°42	8°42	5°40	26°12	7°25	10°18	15°36	27° 2	15°52	15°10	6° 0	n.a.	F 7
S 8	16 41 12	9°58'08	8♏ 6	21°59	9°56	5°55	26°25	7°26	10°21	15°34	27° 0	15°44	15° 7	6° 6	n.a.	S 8
S 9	16 45 9	10°55'14	19°59	22°20	11°10	6°12	26°39	7°28	10°24	15°33	26°59	15°34	15° 3	6°13	n.a.	S 9
M10	16 49 5	11°52'21	1♐52	22°47	12°24	6°29	26°52	7°30	10°28	15°31	26°58	15°21	15° 0	6°20	n.a.	M10
T 11	16 53 2	12°49'28	13°45	23°19	13°38	6°46	27° 6	7°31	10°31	15°30	26°57	15° 8	14°57	6°26	n.a.	T 11
W12	16 56 58	13°46'35	25°39	23°56	14°51	7° 4	27°19	7°33	10°34	15°28	26°56	14°54	14°54	6°33	n.a.	W12
T 13	17 0 55	14°43'43	7♑37	24°39	16° 5	7°23	27°32	7°34	10°38	15°26	26°55	14°41	14°51	6°40	n.a.	T 13
F 14	17 4 51	15°40'52	19°39	25°26	17°19	7°42	27°46	7°36	10°41	15°25	26°54	14°31	14°47	6°47	n.a.	F 14
S 15	17 8 48	16°38'01	1♒48	26°19	18°33	8° 2	27°59	7°37	10°45	15°23	26°54	14°23	14°44	6°53	n.a.	S 15
S 16	17 12 45	17°35'11	14° 6	27°17	19°47	8°22	28°12	7°38	10°48	15°21	26°53	14°18	14°41	7° 0	n.a.	S 16
M17	17 16 41	18°32'22	26°37	28°19	21° 1	8°43	28°25	7°39	10°52	15°20	26°52	14°15	14°38	7° 7	n.a.	M17
T 18	17 20 38	19°29'34	9♓25	29°27	22°14	9° 4	28°39	7°40	10°55	15°18	26°51	14°15	14°35	7°14	n.a.	T 18
W19	17 24 34	20°26'46	22°32	0♊39	23°28	9°26	28°52	7°41	10°59	15°17	26°50	14°15	14°32	7°20	n.a.	W19
T 20	17 28 31	21°24'00	6♈ 3	1°56	24°42	9°48	29° 5	7°41	11° 2	15°15	26°49	14°14	14°28	7°27	n.a.	T 20
F 21	17 32 27	22°21'14	20° 1	3°18	25°56	10°11	29°18	7°42	11° 6	15°13	26°49	14°12	14°25	7°34	n.a.	F 21
S 22	17 36 24	23°18'30	4♉25	4°44	27°10	10°34	29°31	7°42	11° 9	15°12	26°48	14° 8	14°22	7°40	n.a.	S 22
S 23	17 40 20	24°15'46	19°13	6°15	28°24	10°58	29°44	7°43	11°13	15°10	26°47	14° 1	14°19	7°47	n.a.	S 23
M24	17 44 17	25°13'04	4♊18	7°49	29°38	11°22	29°57	7°43	11°17	15° 9	26°47	13°51	14°16	7°54	n.a.	M24
T 25	17 48 14	26°10'23	19°33	9°28	0♋52	11°46	0♊10	7°43	11°20	15° 7	26°46	13°41	14°13	8° 1	n.a.	T 25
W26	17 52 10	27° 7'43	4♋46	11°10	2° 6	12°11	0°23	7°R43	11°24	15° 5	26°45	13°31	14° 9	8° 7	n.a.	W26
T 27	17 56 7	28° 5'03	19°46	12°56	3°20	12°37	0°36	7°43	11°27	15° 4	26°45	13°22	14° 6	8°14	n.a.	T 27
F 28	18 0 3	29° 2'25	4♌24	14°46	4°34	13° 3	0°48	7°43	11°31	15° 2	26°44	13°15	14° 3	8°21	n.a.	F 28
S 29	18 4 0	29°59'47	18°35	16°38	5°48	13°29	1° 1	7°42	11°35	15° 1	26°44	13°10	14° 0	8°28	n.a.	S 29
S 30	18 7 56	0♋57'10	2♍17	18♊33	7♋ 2	13♎56	1♊14	7♓42	11♋38	14♐59	26♎43	13♍ 8	13♍57	8♐34	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 5	15n 8	2s59	14n16	4s20	20n47	0n 6	2s26	0s46	18n47	0s27	11s 1	2s12	23n51	0n29	21s58	1n 1	2n 1	13n31	5n34	5n48	16s29		n.a.
S 2	21 16	12 3	1 57	14 13	4 21	21 5	0 8	2 33	0 48	18 50	0 27	11 1	2 12	23 51	0 29	21 58	1 1	2 1	13 31	5 35	5 49	16 30		n.a.
M 3	21 27	8 26	0 50	14 11	4 20	21 21	0 10	2 39	0 50	18 54	0 27	11 0	2 13	23 51	0 29	21 58	1 1	2 2	13 30	5 35	5 50	16 31		n.a.
T 4	21 37	4 32	0n18	14 13	4 17	21 37	0 13	2 47	0 52	18 57	0 27	10 59	2 13	23 50	0 29	21 58	1 1	2 2	13 30	5 35	5 51	16 32		n.a.
W 5	21 47	0 31	1 23	14 16	4 14	21 53	0 15	2 54	0 54	19 0	0 27	10 59	2 13	23 50	0 29	21 58	1 1	2 2	13 30	5 36	5 53	16 33		n.a.
T 6	21 56	3s26	2 23	14 23	4 9	22 8	0 17	3 1	0 56	19 4	0 27	10 58	2 13	23 50	0 29	21 58	1 1	2 2	13 29	5 37	5 54	16 34		n.a.
F 7	22 5	7 12	3 15	14 31	4 3	22 22	0 20	3 9	0 58	19 7	0 27	10 58	2 14	23 49	0 29	21 57	1 1	2 2	13 29	5 39	5 55	16 35		n.a.
S 8	22 14	10 38	3 58	14 42	3 56	22 36	0 22	3 17	0 59	19 10	0 27	10 57	2 14	23 49	0 29	21 57	1 1	2 2	13 28	5 42	5 56	16 36		n.a.
S 9	22 22	13 37	4 31	14 55	3 48	22 49	0 24	3 25	1 1	19 14	0 27	10 57	2 14	23 49	0 29	21 57	1 1	2 2	13 28	5 46	5 58	16 37		n.a.
M10	22 30	16 3	4 52	15 10	3 40	23 1	0 27	3 34	1 3	19 17	0 27	10 57	2 15	23 49	0 29	21 57	1 1	2 2	13 28	5 51	5 59	16 38		n.a.
T 11	22 38	17 47	5 0	15 27	3 30	23 13	0 29	3 42	1 5	19 20	0 27	10 56	2 15	23 48	0 29	21 57	1 1	2 2	13 27	5 56	6 0	16 39		n.a.
W12	22 45	18 46	4 54	15 46	3 20	23 24	0 31	3 51	1 6	19 23	0 26	10 56	2 15	23 48	0 29	21 57	1 1	2 2	13 27	6 1	6 1	16 40		n.a.
T 13	22 52	18 56	4 36	16 7	3 9	23 34	0 33	4 0	1 8	19 26	0 26	10 56	2 15	23 48	0 29	21 56	1 1	2 2	13 26	6 6	6 3	16 41		n.a.
F 14	22 58	18 14	4 6	16 30	2 58	23 43	0 35	4 9	1 10	19 29	0 26	10 56	2 16	23 48	0 29	21 56	1 0	2 2	13 26	6 10	6 4	16 42		n.a.
S 15	23 4	16 42	3 24	16 54	2 46	23 52	0 38	4 19	1 11	19 32	0 26	10 55	2 16	23 47	0 29	21 56	1 0	2 2	13 26	6 13	6 5	16 43		n.a.
S 16	23 10	14 23	2 32	17 19	2 33	24 1	0 40	4 28	1 13	19 36	0 26	10 55	2 16	23 47	0 29	21 56	1 0	2 1	13 25	6 15	6 6	16 44		n.a.
M17	23 15	11 22	1 32	17 46	2 21	24 8	0 42	4 38	1 14	19 39	0 26	10 55	2 17	23 47	0 29	21 56	1 0	2 1	13 25	6 16	6 8	16 45		n.a.
T 18	23 20	7 45	0 26	18 13	2 8	24 15	0 44	4 48	1 16	19 42	0 26	10 55	2 17	23 46	0 29	21 56	1 0	2 1	13 24	6 17	6 9	16 46		n.a.
W19	23 24	3 40	0s44	18 41	1 54	24 21	0 46	4 58	1 17	19 45	0 26	10 55	2 17	23 46	0 29	21 55	1 0	2 1	13 24	6 17	6 10	16 47		n.a.
T 20	23 28	0n43	1 53	19 10	1 41	24 26	0 48	5 8	1 19	19 48	0 26	10 55	2 18	23 46	0 29	21 55	1 0	2 1	13 23	6 17	6 11	16 48		n.a.
F 21	23 32	5 12	2 57	19 39	1 27	24 31	0 50	5 18	1 20	19 51	0 26	10 55	2 18	23 45	0 29	21 55	1 0	2 1	13 23	6 18	6 13	16 49		n.a.
S 22	23 35	9 31	3 52	20 9	1 14	24 35	0 52	5 29	1 21	19 53	0 26	10 55	2 18	23 45	0 29	21 55	1 0	2 1	13 22	6 19	6 14	16 50		n.a.
S 23	23 37	13 22	4 34	20 38	1 0	24 38	0 54	5 39	1 23	19 56	0 26	10 55	2 18	23 45	0 29	21 55	1 0	2 0	13 22	6 22	6 15	16 51		n.a.
M24	23 40	16 25	4 57	21 7	0 47	24 40	0 55	5 50	1 24	19 59	0 26	10 56	2 19	23 45	0 29	21 55	1 0	2 0	13 22	6 26	6 16	16 52		n.a.
T 25	23 42	18 21	4 59	21 36	0 34	24 42	0 57	6 1	1 25	20 2	0 26	10 56	2 19	23 44	0 29	21 54	1 0	2 0	13 21	6 30	6 18	16 53		n.a.
W26	23 43	18 59	4 41	22 4	0 21	24 43	0 59	6 12	1 26	20 5	0 25	10 56	2 19	23 44	0 29	21 54	1 0	2 0	13 21	6 34	6 19	16 54		n.a.
T 27	23 44	18 16	4 3	22 30	0 8	24 43	1 1	6 23	1 28	20 8	0 25	10 56	2 20	23 44	0 29	21 54	1 0	1 59	13 20	6 37	6 20	16 55		n.a.
F 28	23 45	16 20	3 10	22 56	0n 4	24 43	1 2	6 35	1 29	20 10	0 25	10 57	2 20	23 43	0 29	21 54	1 0	1 59	13 20	6 40	6 21	16 56		n.a.
S 29	23 45	13 27	2 6	23 19	0 15	24 41	1 4	6 46	1 30	20 13	0 25	10 57	2 20	23 43	0 29	21 54	1 0	1 59	13 19	6 42	6 22	16 57		n.a.
S 30	23n45	9n54	0s57	23n41	0n27	24n39	1n 6	6s58	1s31	20n16	0s25	10s57	2s20	23n43	0n29	21s54	1n 0	1n59	13n19	6n43	6n24	16s58		n.a.

Julian Day Number = 1546619.5, Delta T = 04h33m50s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'56, Lahiri = -10°33'56 Julian Calendar 1 June 479 BCE == Greg. Calendar 27 May 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

JULY 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 11 53	1♋54'33	15♍31	20♊30	8♋16	14♎23	1♊27	7°R42	11♋42	14°R58	26°R43	13°D 8	13♍53	8♐41	n.a.	M 1
T 2	18 15 49	2°51'58	28°20	22°29	9°30	14°50	1°39	7♓41	11°46	14♐56	26♎42	13°R 8	13°50	8°48	n.a.	T 2
W 3	18 19 46	3°49'23	10♎48	24°30	10°44	15°18	1°52	7°40	11°49	14°55	26°42	13♍ 8	13°47	8°54	n.a.	W 3
T 4	18 23 43	4°46'49	23° 1	26°32	11°58	15°46	2° 4	7°40	11°53	14°53	26°42	13° 6	13°44	9° 1	n.a.	T 4
F 5	18 27 39	5°44'16	5♏ 2	28°35	13°13	16°15	2°17	7°39	11°57	14°52	26°41	13° 3	13°41	9° 8	n.a.	F 5
S 6	18 31 36	6°41'44	16°57	0♋39	14°27	16°44	2°29	7°38	12° 1	14°50	26°41	12°56	13°38	9°15	n.a.	S 6
S 7	18 35 32	7°39'13	28°49	2°43	15°41	17°13	2°41	7°37	12° 4	14°49	26°41	12°48	13°34	9°21	n.a.	S 7
M 8	18 39 29	8°36'43	10♐41	4°47	16°55	17°43	2°54	7°35	12° 8	14°47	26°41	12°37	13°31	9°28	n.a.	M 8
T 9	18 43 25	9°34'14	22°36	6°51	18° 9	18°13	3° 6	7°34	12°12	14°46	26°40	12°26	13°28	9°35	n.a.	T 9
W10	18 47 22	10°31'47	4♑36	8°54	19°23	18°43	3°18	7°33	12°15	14°44	26°40	12°14	13°25	9°41	n.a.	W10
T 11	18 51 18	11°29'21	16°41	10°57	20°37	19°14	3°30	7°31	12°19	14°43	26°40	12° 4	13°22	9°48	n.a.	T 11
F 12	18 55 15	12°26'56	28°53	12°59	21°51	19°45	3°42	7°30	12°23	14°41	26°40	11°55	13°19	9°55	n.a.	F 12
S 13	18 59 12	13°24'33	11♒13	15° 0	23° 5	20°16	3°54	7°28	12°27	14°40	26°40	11°48	13°15	10° 2	n.a.	S 13
S 14	19 3 8	14°22'11	23°43	16°59	24°20	20°47	4° 6	7°26	12°30	14°39	26°D40	11°44	13°12	10° 8	n.a.	S 14
M15	19 7 5	15°19'51	6♓24	18°58	25°34	21°19	4°18	7°24	12°34	14°37	26°40	11°D43	13° 9	10°15	n.a.	M15
T 16	19 11 1	16°17'32	19°19	20°56	26°48	21°51	4°29	7°22	12°38	14°36	26°40	11°43	13° 6	10°22	n.a.	T 16
W17	19 14 58	17°15'15	2♈30	22°52	28° 2	22°24	4°41	7°20	12°41	14°35	26°40	11°44	13° 3	10°29	n.a.	W17
T 18	19 18 54	18°13'00	16° 0	24°47	29°16	22°56	4°53	7°18	12°45	14°33	26°40	11°R44	12°59	10°35	n.a.	T 18
F 19	19 22 51	19°10'47	29°51	26°41	0♌31	23°29	5° 4	7°16	12°49	14°32	26°40	11°44	12°56	10°42	n.a.	F 19
S 20	19 26 47	20° 8'35	14♉ 3	28°33	1°45	24° 3	5°16	7°13	12°53	14°31	26°41	11°42	12°53	10°49	n.a.	S 20
S 21	19 30 44	21° 6'26	28°35	0♌24	2°59	24°36	5°27	7°11	12°56	14°30	26°41	11°37	12°50	10°55	n.a.	S 21
M22	19 34 41	22° 4'18	13♊22	2°13	4°13	25°10	5°38	7° 8	13° 0	14°29	26°41	11°31	12°47	11° 2	n.a.	M22
T 23	19 38 37	23° 2'13	28°19	4° 2	5°27	25°44	5°50	7° 6	13° 4	14°27	26°41	11°24	12°44	11° 9	n.a.	T 23
W24	19 42 34	24° 0'09	13♋16	5°49	6°42	26°18	6° 1	7° 3	13° 7	14°26	26°42	11°17	12°40	11°16	n.a.	W24
T 25	19 46 30	24°58'07	28° 5	7°34	7°56	26°53	6°12	7° 0	13°11	14°25	26°42	11°10	12°37	11°22	n.a.	T 25
F 26	19 50 27	25°56'06	12♌37	9°18	9°10	27°27	6°23	6°57	13°15	14°24	26°42	11° 6	12°34	11°29	n.a.	F 26
S 27	19 54 23	26°54'07	26°46	11° 1	10°25	28° 3	6°34	6°54	13°18	14°23	26°43	11° 3	12°31	11°36	n.a.	S 27
S 28	19 58 20	27°52'10	10♍30	12°43	11°39	28°38	6°45	6°51	13°22	14°22	26°43	11°D 2	12°28	11°43	n.a.	S 28
M29	20 2 16	28°50'14	23°47	14°23	12°53	29°13	6°55	6°48	13°26	14°21	26°44	11° 3	12°25	11°49	n.a.	M29
T 30	20 6 13	29°48'20	6♎40	16° 2	14° 7	29°49	7° 6	6°45	13°29	14°20	26°44	11° 4	12°21	11°56	n.a.	T 30
W31	20 10 10	0♌46'27	19♎12	17♌40	15♌22	0♏25	7♊16	6♓41	13♋33	14♐19	26♎45	11♍ 5	12♍18	12♐ 3	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n44	5n58	0n13	24n 1	0n37	24n36	1n 7	7s 9	1s32	20n18	0s25	10s58	2s21	23n42	0n29	21s54	1n 0	1n58	13n18	6n43	6n25	16s58		n.a.
T 2	23 43	1 53	1 20	24 19	0 47	24 33	1 9	7 21	1 33	20 21	0 25	10 58	2 21	23 42	0 29	21 53	1 0	1 58	13 18	6 43	6 26	16 59		n.a.
W 3	23 42	2s10	2 21	24 34	0 56	24 28	1 10	7 33	1 34	20 24	0 25	10 59	2 21	23 42	0 29	21 53	1 0	1 58	13 17	6 43	6 27	17 0		n.a.
T 4	23 40	6 2	3 15	24 47	1 5	24 23	1 12	7 45	1 35	20 26	0 25	10 59	2 22	23 41	0 29	21 53	1 0	1 57	13 17	6 43	6 29	17 1		n.a.
F 5	23 37	9 37	3 59	24 57	1 12	24 18	1 13	7 57	1 36	20 29	0 25	11 0	2 22	23 41	0 29	21 53	1 0	1 57	13 16	6 45	6 30	17 2		n.a.
S 6	23 35	12 46	4 33	25 4	1 19	24 11	1 14	8 9	1 37	20 31	0 25	11 1	2 22	23 41	0 29	21 53	1 0	1 57	13 16	6 47	6 31	17 3		n.a.
S 7	23 32	15 22	4 54	25 9	1 25	24 4	1 15	8 22	1 38	20 34	0 25	11 1	2 22	23 40	0 29	21 53	1 0	1 56	13 15	6 51	6 32	17 4		n.a.
M 8	23 28	17 21	5 3	25 11	1 31	23 56	1 17	8 34	1 39	20 36	0 25	11 2	2 23	23 40	0 29	21 53	1 0	1 56	13 15	6 55	6 34	17 5		n.a.
T 9	23 24	18 35	4 58	25 10	1 35	23 47	1 18	8 46	1 40	20 39	0 25	11 3	2 23	23 40	0 29	21 52	1 0	1 55	13 14	6 59	6 35	17 6		n.a.
W10	23 20	19 0	4 40	25 6	1 39	23 38	1 19	8 59	1 41	20 41	0 24	11 4	2 23	23 39	0 29	21 52	1 0	1 55	13 14	7 3	6 36	17 7		n.a.
T 11	23 15	18 33	4 10	25 0	1 42	23 27	1 20	9 12	1 42	20 44	0 24	11 4	2 23	23 39	0 29	21 52	1 0	1 55	13 13	7 8	6 37	17 8		n.a.
F 12	23 10	17 15	3 28	24 51	1 45	23 17	1 21	9 24	1 43	20 46	0 24	11 5	2 24	23 39	0 29	21 52	1 0	1 54	13 13	7 11	6 39	17 9		n.a.
S 13	23 4	15 9	2 36	24 39	1 46	23 5	1 22	9 37	1 44	20 48	0 24	11 6	2 24	23 38	0 29	21 52	1 0	1 54	13 12	7 13	6 40	17 10		n.a.
S 14	22 58	12 18	1 35	24 26	1 47	22 53	1 22	9 50	1 45	20 51	0 24	11 7	2 24	23 38	0 29	21 52	1 0	1 53	13 12	7 15	6 41	17 11		n.a.
M15	22 51	8 50	0 28	24 10	1 48	22 40	1 23	10 3	1 45	20 53	0 24	11 8	2 25	23 38	0 29	21 52	1 0	1 53	13 11	7 16	6 42	17 11		n.a.
T 16	22 45	4 54	0s41	23 52	1 47	22 26	1 24	10 16	1 46	20 55	0 24	11 9	2 25	23 37	0 29	21 51	1 0	1 52	13 11	7 16	6 43	17 12		n.a.
W17	22 37	0 40	1 49	23 32	1 47	22 12	1 24	10 29	1 47	20 57	0 24	11 10	2 25	23 37	0 29	21 51	1 0	1 52	13 10	7 15	6 45	17 13		n.a.
T 18	22 30	3n43	2 53	23 10	1 45	21 57	1 25	10 42	1 48	21 0	0 24	11 11	2 25	23 37	0 29	21 51	1 0	1 51	13 10	7 15	6 46	17 14		n.a.
F 19	22 21	8 0	3 49	22 47	1 43	21 42	1 26	10 55	1 48	21 2	0 24	11 12	2 26	23 36	0 29	21 51	1 0	1 51	13 9	7 15	6 47	17 15		n.a.
S 20	22 13	11 56	4 32	22 22	1 41	21 25	1 26	11 8	1 49	21 4	0 24	11 13	2 26	23 36	0 29	21 51	1 0	1 50	13 8	7 16	6 48	17 16		n.a.
S 21	22 4	15 14	4 59	21 55	1 38	21 9	1 26	11 21	1 50	21 6	0 24	11 14	2 26	23 36	0 29	21 51	1 0	1 49	13 8	7 18	6 50	17 17		n.a.
M22	21 55	17 37	5 7	21 27	1 34	20 51	1 27	11 34	1 50	21 8	0 24	11 16	2 26	23 35	0 29	21 51	1 0	1 49	13 7	7 20	6 51	17 18		n.a.
T 23	21 45	18 50	4 54	20 58	1 31	20 33	1 27	11 47	1 51	21 10	0 24	11 17	2 27	23 35	0 29	21 51	1 0	1 48	13 7	7 23	6 52	17 19		n.a.
W24	21 35	18 45	4 21	20 28	1 26	20 15	1 27	12 0	1 51	21 12	0 24	11 18	2 27	23 34	0 29	21 51	1 0	1 48	13 6	7 26	6 53	17 20		n.a.
T 25	21 25	17 22	3 31	19 56	1 22	19 55	1 27	12 14	1 52	21 14	0 24	11 19	2 27	23 34	0 29	21 50	1 0	1 47	13 6	7 28	6 55	17 20		n.a.
F 26	21 14	14 53	2 27	19 24	1 17	19 36	1 27	12 27	1 53	21 16	0 23	11 21	2 27	23 34	0 29	21 50	1 0	1 46	13 5	7 30	6 56	17 21		n.a.
S 27	21 3	11 33	1 16	18 50	1 12	19 15	1 27	12 40	1 53	21 18	0 23	11 22	2 28	23 33	0 29	21 50	0 59	1 46	13 5	7 31	6 57	17 22		n.a.
S 28	20 51	7 41	0 3	18 16	1 6	18 55	1 27	12 54	1 54	21 20	0 23	11 23	2 28	23 33	0 29	21 50	0 59	1 45	13 4	7 31	6 58	17 23		n.a.
M29	20 40	3 33	1n 9	17 41	1 0	18 33	1 27	13 7	1 54	21 22	0 23	11 25	2 28	23 33	0 29	21 50	0 59	1 45	13 4	7 31	6 59	17 24		n.a.
T 30	20 27	0s37	2 15	17 6	0 54	18 11	1 27	13 20	1 55	21 24	0 23	11 26	2 28	23 32	0 29	21 50	0 59	1 44	13 3	7 31	7 1	17 25		n.a.
W31	20n15	4s39	3n12	16n30	0n48	17n49	1n27	13s34	1s55	21n26	0s23	11s28	2s28	23n32	0n29	21s50	0n59	1n43	13n 3	7n30	7n 2	17s26		n.a.

Julian Day Number = 1546649.5, Delta T = 04h33m49s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'52, Lahiri = -10°33'52 Julian Calendar 1 July 479 BCE == Greg. Calendar 26 June 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

AUGUST 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 14 6	1♌44'36	1♏26	19♌17	16♌36	1♏ 1	7♊27	6°R38	13♋36	14°R18	26♎45	11°R 6	12♍15	12♐ 9	n.a.	T 1
F 2	20 18 3	2°42'46	13°29	20°52	17°50	1°38	7°37	6♓35	13°40	14♐17	26°46	11♍ 5	12°12	12°16	n.a.	F 2
S 3	20 21 59	3°40'58	25°24	22°26	19° 4	2°14	7°47	6°31	13°44	14°16	26°47	11° 3	12° 9	12°23	n.a.	S 3
S 4	20 25 56	4°39'12	7♐16	23°59	20°19	2°51	7°57	6°27	13°47	14°15	26°47	10°59	12° 5	12°30	n.a.	S 4
M 5	20 29 52	5°37'28	19°10	25°31	21°33	3°28	8° 7	6°24	13°51	14°14	26°48	10°54	12° 2	12°36	n.a.	M 5
T 6	20 33 49	6°35'45	1♑ 8	27° 1	22°47	4° 5	8°17	6°20	13°54	14°13	26°49	10°48	11°59	12°43	n.a.	T 6
W 7	20 37 45	7°34'04	13°14	28°31	24° 2	4°43	8°27	6°16	13°58	14°12	26°50	10°42	11°56	12°50	n.a.	W 7
T 8	20 41 42	8°32'24	25°28	29°59	25°16	5°20	8°37	6°12	14° 1	14°12	26°51	10°36	11°53	12°57	n.a.	T 8
F 9	20 45 39	9°30'47	7♒53	1♍25	26°30	5°58	8°47	6° 8	14° 5	14°11	26°51	10°32	11°50	13° 3	n.a.	F 9
S 10	20 49 35	10°29'12	20°29	2°51	27°44	6°36	8°56	6° 4	14° 8	14°10	26°52	10°29	11°46	13°10	n.a.	S 10
S 11	20 53 32	11°27'38	3♓17	4°15	28°59	7°14	9° 5	6° 0	14°11	14° 9	26°53	10°27	11°43	13°17	n.a.	S 11
M12	20 57 28	12°26'07	16°17	5°38	0♍13	7°53	9°15	5°56	14°15	14° 9	26°54	10°D27	11°40	13°23	n.a.	M12
T 13	21 1 25	13°24'37	29°30	6°59	1°27	8°31	9°24	5°52	14°18	14° 8	26°55	10°28	11°37	13°30	n.a.	T 13
W14	21 5 21	14°23'10	12♈55	8°20	2°41	9°10	9°33	5°48	14°22	14° 8	26°56	10°30	11°34	13°37	n.a.	W14
T 15	21 9 18	15°21'46	26°34	9°38	3°56	9°49	9°42	5°44	14°25	14° 7	26°57	10°31	11°31	13°44	n.a.	T 15
F 16	21 13 14	16°20'24	10♉27	10°56	5°10	10°28	9°51	5°39	14°28	14° 6	26°58	10°R32	11°27	13°50	n.a.	F 16
S 17	21 17 11	17°19'04	24°33	12°11	6°24	11° 7	9°59	5°35	14°32	14° 6	26°59	10°32	11°24	13°57	n.a.	S 17
S 18	21 21 7	18°17'46	8♊50	13°25	7°39	11°46	10° 8	5°31	14°35	14° 5	27° 1	10°31	11°21	14° 4	n.a.	S 18
M19	21 25 4	19°16'31	23°17	14°38	8°53	12°26	10°16	5°26	14°38	14° 5	27° 2	10°29	11°18	14°10	n.a.	M19
T 20	21 29 1	20°15'19	7♋48	15°49	10° 7	13° 5	10°25	5°22	14°41	14° 4	27° 3	10°26	11°15	14°17	n.a.	T 20
W21	21 32 57	21°14'08	22°19	16°57	11°21	13°45	10°33	5°17	14°44	14° 4	27° 4	10°24	11°11	14°24	n.a.	W21
T 22	21 36 54	22°13'00	6♌44	18° 4	12°36	14°25	10°41	5°13	14°48	14° 4	27° 5	10°21	11° 8	14°31	n.a.	T 22
F 23	21 40 50	23°11'54	20°57	19° 9	13°50	15° 5	10°49	5° 8	14°51	14° 3	27° 7	10°20	11° 5	14°37	n.a.	F 23
S 24	21 44 47	24°10'50	4♍52	20°12	15° 4	15°46	10°57	5° 3	14°54	14° 3	27° 8	10°D19	11° 2	14°44	n.a.	S 24
S 25	21 48 43	25° 9'49	18°28	21°12	16°18	16°26	11° 4	4°59	14°57	14° 3	27° 9	10°19	10°59	14°51	n.a.	S 25
M26	21 52 40	26° 8'49	1♎42	22° 9	17°33	17° 7	11°12	4°54	15° 0	14° 3	27°11	10°20	10°56	14°58	n.a.	M26
T 27	21 56 36	27° 7'51	14°35	23° 3	18°47	17°47	11°19	4°49	15° 3	14° 2	27°12	10°21	10°52	15° 4	n.a.	T 27
W28	22 0 33	28° 6'55	27° 8	23°55	20° 1	18°28	11°26	4°45	15° 6	14° 2	27°14	10°22	10°49	15°11	n.a.	W28
T 29	22 4 30	29° 6'01	9♏25	24°43	21°15	19° 9	11°33	4°40	15° 9	14° 2	27°15	10°23	10°46	15°18	n.a.	T 29
F 30	22 8 26	0♍ 5'09	21°30	25°28	22°29	19°50	11°40	4°35	15°12	14° 2	27°17	10°24	10°43	15°24	n.a.	F 30
S 31	22 12 23	1♍ 4'19	3♐26	26♍ 8	23♍44	20♏31	11♊47	4♓30	15♋15	14♐ 2	27♎18	10°R24	10♍40	15♐31	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	20n 2	8s23	4n 0	15n53	0n41	17n26	1n26	13s47	1s56	21n27	0s23	11s29	2s29	23n32	0n29	21s50	0n59	1n43	13n 2	7n30	7n 3	17s27			n.a.
F 2	19 49	11 42	4 36	15 16	0 34	17 3	1 26	14 0	1 56	21 29	0 23	11 31	2 29	23 31	0 29	21 50	0 59	1 42	13 2	7 30	7 4	17 27			n.a.
S 3	19 35	14 31	4 59	14 39	0 27	16 39	1 25	14 14	1 56	21 31	0 23	11 32	2 29	23 31	0 29	21 50	0 59	1 41	13 1	7 31	7 6	17 28			n.a.
S 4	19 21	16 43	5 10	14 1	0 20	16 14	1 25	14 27	1 57	21 33	0 23	11 34	2 29	23 31	0 29	21 50	0 59	1 40	13 1	7 32	7 7	17 29			n.a.
M 5	19 7	18 12	5 8	13 23	0 13	15 50	1 24	14 40	1 57	21 34	0 23	11 35	2 29	23 30	0 29	21 50	0 59	1 40	13 0	7 34	7 8	17 30			n.a.
T 6	18 52	18 53	4 52	12 45	0 5	15 25	1 23	14 53	1 58	21 36	0 23	11 37	2 30	23 30	0 29	21 50	0 59	1 39	13 0	7 37	7 9	17 31			n.a.
W 7	18 37	18 44	4 23	12 6	0s 3	14 59	1 23	15 6	1 58	21 38	0 23	11 39	2 30	23 30	0 29	21 49	0 59	1 38	12 59	7 39	7 11	17 32			n.a.
T 8	18 22	17 42	3 41	11 28	0 10	14 33	1 22	15 20	1 58	21 39	0 23	11 40	2 30	23 29	0 29	21 49	0 59	1 37	12 59	7 41	7 12	17 33			n.a.
F 9	18 6	15 49	2 49	10 49	0 18	14 7	1 21	15 33	1 59	21 41	0 23	11 42	2 30	23 29	0 29	21 49	0 59	1 37	12 58	7 43	7 13	17 33			n.a.
S 10	17 50	13 9	1 47	10 11	0 26	13 40	1 20	15 46	1 59	21 42	0 23	11 43	2 30	23 28	0 29	21 49	0 59	1 36	12 58	7 44	7 14	17 34			n.a.
S 11	17 34	9 49	0 39	9 33	0 34	13 13	1 19	15 59	1 59	21 44	0 23	11 45	2 31	23 28	0 29	21 49	0 59	1 35	12 57	7 45	7 15	17 35			n.a.
M12	17 18	5 58	0s32	8 54	0 43	12 45	1 18	16 12	1 59	21 45	0 22	11 47	2 31	23 28	0 29	21 49	0 59	1 34	12 57	7 45	7 17	17 36			n.a.
T 13	17 1	1 46	1 43	8 16	0 51	12 17	1 17	16 25	2 0	21 47	0 22	11 49	2 31	23 27	0 29	21 49	0 59	1 33	12 56	7 44	7 18	17 37			n.a.
W14	16 44	2n35	2 49	7 38	0 59	11 49	1 16	16 38	2 0	21 48	0 22	11 50	2 31	23 27	0 29	21 49	0 59	1 33	12 56	7 44	7 19	17 38			n.a.
T 15	16 26	6 52	3 47	7 1	1 7	11 21	1 14	16 50	2 0	21 50	0 22	11 52	2 31	23 27	0 29	21 49	0 59	1 32	12 55	7 43	7 20	17 38			n.a.
F 16	16 9	10 50	4 32	6 24	1 16	10 52	1 13	17 3	2 0	21 51	0 22	11 54	2 31	23 26	0 29	21 49	0 59	1 31	12 55	7 43	7 22	17 39			n.a.
S 17	15 51	14 16	5 3	5 47	1 24	10 23	1 12	17 16	2 1	21 52	0 22	11 56	2 31	23 26	0 29	21 49	0 59	1 30	12 54	7 43	7 23	17 40			n.a.
S 18	15 33	16 53	5 15	5 11	1 32	9 54	1 10	17 28	2 1	21 54	0 22	11 57	2 32	23 26	0 29	21 49	0 59	1 29	12 54	7 43	7 24	17 41			n.a.
M19	15 14	18 28	5 7	4 35	1 41	9 24	1 9	17 41	2 1	21 55	0 22	11 59	2 32	23 25	0 29	21 49	0 59	1 28	12 53	7 44	7 25	17 42			n.a.
T 20	14 55	18 52	4 40	4 0	1 49	8 54	1 7	17 53	2 1	21 56	0 22	12 1	2 32	23 25	0 29	21 49	0 59	1 28	12 53	7 45	7 26	17 43			n.a.
W21	14 36	18 1	3 55	3 25	1 57	8 24	1 5	18 6	2 1	21 57	0 22	12 3	2 32	23 25	0 29	21 49	0 59	1 27	12 52	7 46	7 28	17 43			n.a.
T 22	14 17	16 1	2 55	2 51	2 5	7 54	1 4	18 18	2 1	21 59	0 22	12 5	2 32	23 24	0 30	21 49	0 58	1 26	12 52	7 47	7 29	17 44			n.a.
F 23	13 58	13 3	1 45	2 19	2 13	7 23	1 2	18 30	2 1	22 0	0 22	12 6	2 32	23 24	0 30	21 49	0 58	1 25	12 51	7 47	7 30	17 45			n.a.
S 24	13 38	9 23	0 30	1 47	2 21	6 53	1 0	18 42	2 1	22 1	0 22	12 8	2 32	23 24	0 30	21 49	0 58	1 24	12 51	7 48	7 31	17 46			n.a.
S 25	13 18	5 18	0n45	1 16	2 29	6 22	0 58	18 54	2 2	22 2	0 22	12 10	2 32	23 23	0 30	21 49	0 58	1 23	12 50	7 48	7 33	17 47			n.a.
M26	12 58	1 5	1 56	0 46	2 36	5 51	0 56	19 6	2 2	22 3	0 22	12 12	2 33	23 23	0 30	21 49	0 58	1 22	12 50	7 47	7 34	17 47			n.a.
T 27	12 38	3s 5	2 58	0 18	2 43	5 20	0 54	19 18	2 2	22 4	0 22	12 14	2 33	23 23	0 30	21 49	0 58	1 21	12 50	7 47	7 35	17 48			n.a.
W28	12 17	7 0	3 51	0s 9	2 50	4 48	0 52	19 30	2 2	22 5	0 22	12 15	2 33	23 22	0 30	21 49	0 58	1 20	12 49	7 47	7 36	17 49			n.a.
T 29	11 56	10 32	4 32	0 35	2 57	4 17	0 50	19 41	2 2	22 6	0 22	12 17	2 33	23 22	0 30	21 49	0 58	1 20	12 49	7 46	7 37	17 50			n.a.
F 30	11 35	13 33	5 0	0 58	3 3	3 45	0 48	19 53	2 2	22 7	0 21	12 19	2 33	23 22	0 30	21 49	0 58	1 19	12 48	7 46	7 39	17 51			n.a.
S 31	11n14	15s58	5n14	1s20	3s 9	3n13	0n46	20s 4	2s 2	22n 8	0s21	12s21	2s33	23n22	0n30	21s49	0n58	1n18	12n48	7n46	7n40	17s51			n.a.

Julian Day Number = 1546680.5, Delta T = 04h33m47s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'48, Lahiri = -10°33'48 Julian Calendar 1 Aug. 479 BCE == Greg. Calendar 27 July 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

SEPTEMBER 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 16 19	2♍ 3'31	15♐19	26♍45	24♍58	21♏13	11♊54	4°R26	15♋17	14°R 2	27♎20	10°R24	10♍36	15♐38	n.a.	S 1
M 2	22 20 16	3° 2'44	27°14	27°16	26°12	21°54	12° 0	4♓21	15°20	14°D 2	27°21	10♍23	10°33	15°45	n.a.	M 2
T 3	22 24 12	4° 2'00	9♑14	27°43	27°26	22°36	12° 6	4°16	15°23	14♐ 2	27°23	10°22	10°30	15°51	n.a.	T 3
W 4	22 28 9	5° 1'18	21°23	28° 4	28°40	23°18	12°13	4°11	15°26	14° 2	27°24	10°21	10°27	15°58	n.a.	W 4
T 5	22 32 5	6° 0'37	3♒45	28°19	29°55	23°59	12°19	4° 6	15°28	14° 2	27°26	10°21	10°24	16° 5	n.a.	T 5
F 6	22 36 2	6°59'59	16°21	28°27	1♎ 9	24°41	12°25	4° 2	15°31	14° 2	27°28	10°20	10°21	16°12	n.a.	F 6
S 7	22 39 58	7°59'22	29°14	28°R29	2°23	25°23	12°30	3°57	15°34	14° 2	27°29	10°20	10°17	16°18	n.a.	S 7
S 8	22 43 55	8°58'48	12♓22	28°23	3°37	26° 6	12°36	3°52	15°36	14° 3	27°31	10°D20	10°14	16°25	n.a.	S 8
M 9	22 47 52	9°58'16	25°47	28°10	4°51	26°48	12°41	3°47	15°39	14° 3	27°33	10°R20	10°11	16°32	n.a.	M 9
T 10	22 51 48	10°57'46	9♈25	27°48	6° 5	27°30	12°46	3°43	15°41	14° 3	27°35	10°20	10° 8	16°38	n.a.	T 10
W11	22 55 45	11°57'18	23°16	27°18	7°19	28°13	12°51	3°38	15°44	14° 3	27°36	10°20	10° 5	16°45	n.a.	W11
T 12	22 59 41	12°56'53	7♉16	26°40	8°33	28°55	12°56	3°33	15°46	14° 4	27°38	10°20	10° 2	16°52	n.a.	T 12
F 13	23 3 38	13°56'30	21°23	25°53	9°47	29°38	13° 1	3°29	15°49	14° 4	27°40	10°19	9°58	16°59	n.a.	F 13
S 14	23 7 34	14°56'10	5♊33	24°59	11° 1	0♐20	13° 5	3°24	15°51	14° 4	27°42	10°19	9°55	17° 5	n.a.	S 14
S 15	23 11 31	15°55'52	19°46	23°58	12°15	1° 3	13°10	3°19	15°53	14° 5	27°44	10°D19	9°52	17°12	n.a.	S 15
M16	23 15 27	16°55'36	3♋58	22°50	13°29	1°46	13°14	3°15	15°55	14° 5	27°46	10°19	9°49	17°19	n.a.	M16
T 17	23 19 24	17°55'23	18° 7	21°39	14°44	2°29	13°18	3°10	15°58	14° 6	27°48	10°20	9°46	17°25	n.a.	T 17
W18	23 23 21	18°55'12	2♌10	20°25	15°58	3°12	13°22	3° 6	16° 0	14° 6	27°50	10°21	9°42	17°32	n.a.	W18
T 19	23 27 17	19°55'04	16° 6	19°10	17°12	3°55	13°25	3° 1	16° 2	14° 7	27°52	10°21	9°39	17°39	n.a.	T 19
F 20	23 31 14	20°54'57	29°51	17°57	18°26	4°39	13°29	2°57	16° 4	14° 7	27°54	10°22	9°36	17°46	n.a.	F 20
S 21	23 35 10	21°54'53	13♍24	16°47	19°40	5°22	13°32	2°53	16° 6	14° 8	27°56	10°R22	9°33	17°52	n.a.	S 21
S 22	23 39 7	22°54'51	26°42	15°44	20°53	6° 6	13°35	2°48	16° 8	14° 9	27°58	10°22	9°30	17°59	n.a.	S 22
M23	23 43 3	23°54'51	9♎44	14°49	22° 7	6°49	13°38	2°44	16°10	14° 9	28° 0	10°21	9°27	18° 6	n.a.	M23
T 24	23 47 0	24°54'53	22°30	14° 3	23°21	7°33	13°41	2°40	16°12	14°10	28° 2	10°19	9°23	18°13	n.a.	T 24
W25	23 50 56	25°54'57	5♏ 0	13°27	24°35	8°16	13°43	2°36	16°14	14°11	28° 4	10°16	9°20	18°19	n.a.	W25
T 26	23 54 53	26°55'03	17°16	13° 3	25°49	9° 0	13°46	2°31	16°15	14°12	28° 6	10°14	9°17	18°26	n.a.	T 26
F 27	23 58 49	27°55'10	29°20	12°50	27° 3	9°44	13°48	2°27	16°17	14°13	28° 8	10°12	9°14	18°33	n.a.	F 27
S 28	0 2 46	28°55'19	11♐17	12°D48	28°17	10°28	13°50	2°23	16°19	14°13	28°10	10°10	9°11	18°39	n.a.	S 28
S 29	0 6 43	29°55'30	23° 9	12°58	29°31	11°12	13°51	2°19	16°21	14°14	28°12	10° 9	9° 7	18°46	n.a.	S 29
M30	0 10 39	0♎55'43	5♑ 2	13♍18	0♏45	11♐56	13♊53	2♓15	16♋22	14♐15	28♎14	10°D 9	9♍ 4	18♐53	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n53	17s42	5n16	1s39	3s14	2n42	0n44	20s15	2s 2	22n 9	0s21	12s23	2s33	23n21	0n30	21s49	0n58	1n17	12n47	7n46	7n41	17s52		n.a.
M 2	10 31	18 40	5 3	1 56	3 19	2 10	0 42	20 26	2 2	22 10	0 21	12 25	2 33	23 21	0 30	21 49	0 58	1 16	12 47	7 46	7 42	17 53		n.a.
T 3	10 9	18 49	4 38	2 11	3 23	1 38	0 39	20 37	2 2	22 11	0 21	12 26	2 33	23 21	0 30	21 49	0 58	1 15	12 47	7 47	7 44	17 54		n.a.
W 4	9 48	18 5	3 59	2 22	3 27	1 6	0 37	20 48	2 1	22 12	0 21	12 28	2 33	23 20	0 30	21 49	0 58	1 14	12 46	7 47	7 45	17 54		n.a.
T 5	9 25	16 30	3 9	2 31	3 29	0 34	0 34	20 58	2 1	22 13	0 21	12 30	2 33	23 20	0 30	21 49	0 58	1 13	12 46	7 47	7 46	17 55		n.a.
F 6	9 3	14 5	2 9	2 36	3 31	0 2	0 32	21 9	2 1	22 14	0 21	12 32	2 33	23 20	0 30	21 50	0 58	1 12	12 45	7 47	7 47	17 56		n.a.
S 7	8 41	10 56	1 1	2 37	3 32	0s30	0 30	21 19	2 1	22 15	0 21	12 34	2 33	23 20	0 30	21 50	0 58	1 11	12 45	7 47	7 48	17 57		n.a.
S 8	8 18	7 11	0s11	2 34	3 31	1 3	0 27	21 29	2 1	22 15	0 21	12 35	2 33	23 19	0 30	21 50	0 58	1 10	12 45	7 47	7 50	17 57		n.a.
M 9	7 56	2 59	1 25	2 27	3 29	1 35	0 25	21 39	2 1	22 16	0 21	12 37	2 33	23 19	0 30	21 50	0 58	1 9	12 44	7 47	7 51	17 58		n.a.
T 10	7 33	1n25	2 34	2 15	3 26	2 7	0 22	21 49	2 1	22 17	0 21	12 39	2 33	23 19	0 30	21 50	0 58	1 8	12 44	7 47	7 52	17 59		n.a.
W11	7 10	5 49	3 36	1 58	3 21	2 39	0 19	21 59	2 1	22 18	0 21	12 41	2 33	23 18	0 30	21 50	0 58	1 7	12 43	7 47	7 53	18 0		n.a.
T 12	6 47	9 56	4 26	1 37	3 14	3 11	0 17	22 8	2 0	22 18	0 21	12 42	2 33	23 18	0 30	21 50	0 58	1 6	12 43	7 48	7 54	18 0		n.a.
F 13	6 24	13 31	5 0	1 10	3 5	3 43	0 14	22 17	2 0	22 19	0 21	12 44	2 33	23 18	0 30	21 50	0 58	1 5	12 43	7 48	7 56	18 1		n.a.
S 14	6 1	16 20	5 16	0 39	2 54	4 15	0 11	22 26	2 0	22 19	0 21	12 46	2 33	23 18	0 30	21 50	0 57	1 4	12 42	7 48	7 57	18 2		n.a.
S 15	5 37	18 9	5 13	0 3	2 42	4 46	0 9	22 35	2 0	22 20	0 21	12 47	2 33	23 17	0 30	21 50	0 57	1 3	12 42	7 48	7 58	18 3		n.a.
M16	5 14	18 51	4 51	0n37	2 27	5 18	0 6	22 44	2 0	22 21	0 20	12 49	2 33	23 17	0 30	21 50	0 57	1 2	12 42	7 48	7 59	18 3		n.a.
T 17	4 50	18 22	4 11	1 21	2 11	5 50	0 3	22 53	1 59	22 21	0 20	12 51	2 33	23 17	0 30	21 50	0 57	1 1	12 41	7 47	8 1	18 4		n.a.
W18	4 26	16 45	3 16	2 7	1 53	6 21	0 0	23 1	1 59	22 22	0 20	12 52	2 33	23 17	0 30	21 51	0 57	1 0	12 41	7 47	8 2	18 5		n.a.
T 19	4 3	14 9	2 10	2 54	1 34	6 52	0s 2	23 9	1 59	22 22	0 20	12 54	2 33	23 17	0 30	21 51	0 57	0 59	12 41	7 47	8 3	18 6		n.a.
F 20	3 39	10 46	0 58	3 41	1 14	7 24	0 5	23 17	1 59	22 23	0 20	12 56	2 33	23 16	0 30	21 51	0 57	0 58	12 40	7 47	8 4	18 6		n.a.
S 21	3 15	6 52	0n17	4 27	0 54	7 55	0 8	23 25	1 58	22 23	0 20	12 57	2 33	23 16	0 30	21 51	0 57	0 57	12 40	7 47	8 5	18 7		n.a.
S 22	2 51	2 41	1 29	5 11	0 33	8 26	0 11	23 32	1 58	22 24	0 20	12 59	2 33	23 16	0 30	21 51	0 57	0 56	12 40	7 47	8 7	18 8		n.a.
M23	2 27	1s32	2 35	5 52	0 13	8 56	0 14	23 40	1 58	22 24	0 20	13 0	2 33	23 16	0 30	21 51	0 57	0 55	12 39	7 47	8 8	18 9		n.a.
T 24	2 3	5 35	3 32	6 28	0n 7	9 27	0 17	23 47	1 57	22 25	0 20	13 2	2 33	23 15	0 30	21 51	0 57	0 54	12 39	7 48	8 9	18 9		n.a.
W25	1 39	9 19	4 18	6 58	0 25	9 57	0 19	23 54	1 57	22 25	0 20	13 3	2 33	23 15	0 31	21 51	0 57	0 53	12 39	7 49	8 10	18 10		n.a.
T 26	1 14	12 34	4 50	7 24	0 42	10 27	0 22	24 1	1 57	22 25	0 20	13 5	2 33	23 15	0 31	21 52	0 57	0 52	12 38	7 50	8 11	18 11		n.a.
F 27	0 50	15 14	5 10	7 43	0 58	10 57	0 25	24 7	1 56	22 26	0 20	13 6	2 33	23 15	0 31	21 52	0 57	0 51	12 38	7 51	8 13	18 11		n.a.
S 28	0 26	17 13	5 15	7 57	1 12	11 26	0 28	24 13	1 56	22 26	0 20	13 7	2 32	23 15	0 31	21 52	0 57	0 50	12 38	7 51	8 14	18 12		n.a.
S 29	0 2	18 27	5 7	8 5	1 25	11 56	0 31	24 19	1 56	22 26	0 20	13 9	2 32	23 15	0 31	21 52	0 57	0 49	12 37	7 52	8 15	18 13		n.a.
M30	0s22	18s53	4n46	8n 7	1n36	12s25	0s34	24s25	1s55	22n26	0s20	13s10	2s32	23n14	0n31	21s52	0n57	0n48	12n37	7n52	8n16	18s14		n.a.

Julian Day Number = 1546711.5, Delta T = 04h33m46s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'44, Lahiri = -10°33'43 Julian Calendar 1 Sept. 479 BCE == Greg. Calendar 27 Aug. 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

OCTOBER 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 14 36	1♎55'57	17♉ 1	13♍48	1♏59	12♐40	13♊54	2°R12	16♋24	14♐16	28♎17	10♍ 9	9♍ 1	19♐ 0	n.a.	T 1
W 2	0 18 32	2°56'13	29°10	14°27	3°12	13°24	13°55	2♓ 8	16°25	14°17	28°19	10°11	8°58	19° 6	n.a.	W 2
T 3	0 22 29	3°56'30	11♒33	15°15	4°26	14° 9	13°56	2° 4	16°27	14°18	28°21	10°12	8°55	19°13	n.a.	T 3
F 4	0 26 25	4°56'50	24°15	16° 9	5°40	14°53	13°57	2° 1	16°28	14°19	28°23	10°14	8°52	19°20	n.a.	F 4
S 5	0 30 22	5°57'10	7♓18	17°10	6°54	15°37	13°58	1°57	16°29	14°20	28°25	10°R15	8°48	19°26	n.a.	S 5
S 6	0 34 18	6°57'33	20°43	18°16	8° 7	16°22	13°58	1°54	16°31	14°21	28°28	10°14	8°45	19°33	n.a.	S 6
M 7	0 38 15	7°57'57	4♈30	19°27	9°21	17° 6	13°R58	1°50	16°32	14°23	28°30	10°13	8°42	19°40	n.a.	M 7
T 8	0 42 12	8°58'23	18°36	20°42	10°35	17°50	13°58	1°47	16°33	14°24	28°32	10°10	8°39	19°47	n.a.	T 8
W 9	0 46 8	9°58'50	2♉56	22° 1	11°48	18°35	13°58	1°44	16°34	14°25	28°35	10° 5	8°36	19°53	n.a.	W 9
T 10	0 50 5	10°59'20	17°26	23°23	13° 2	19°20	13°58	1°41	16°35	14°26	28°37	10° 1	8°33	20° 0	n.a.	T 10
F 11	0 54 1	11°59'51	1♊57	24°47	14°16	20° 4	13°57	1°38	16°36	14°27	28°39	9°56	8°29	20° 7	n.a.	F 11
S 12	0 57 58	13° 0'25	16°26	26°13	15°29	20°49	13°56	1°35	16°37	14°29	28°41	9°52	8°26	20°13	n.a.	S 12
S 13	1 1 54	14° 1'00	0♋47	27°41	16°43	21°34	13°55	1°32	16°38	14°30	28°44	9°50	8°23	20°20	n.a.	S 13
M14	1 5 51	15° 1'38	14°57	29°11	17°56	22°18	13°54	1°29	16°39	14°31	28°46	9°D49	8°20	20°27	n.a.	M14
T 15	1 9 47	16° 2'17	28°54	0♎42	19°10	23° 3	13°52	1°26	16°40	14°33	28°48	9°50	8°17	20°34	n.a.	T 15
W16	1 13 44	17° 2'58	12♌38	2°13	20°23	23°48	13°51	1°24	16°40	14°34	28°51	9°51	8°13	20°40	n.a.	W16
T 17	1 17 41	18° 3'41	26° 9	3°46	21°37	24°33	13°49	1°21	16°41	14°36	28°53	9°53	8°10	20°47	n.a.	T 17
F 18	1 21 37	19° 4'26	9♍28	5°19	22°50	25°18	13°47	1°19	16°42	14°37	28°55	9°R54	8° 7	20°54	n.a.	F 18
S 19	1 25 34	20° 5'12	22°35	6°52	24° 4	26° 3	13°45	1°16	16°42	14°38	28°58	9°53	8° 4	21° 1	n.a.	S 19
S 20	1 29 30	21° 6'00	5♎31	8°26	25°17	26°48	13°42	1°14	16°43	14°40	29° 0	9°50	8° 1	21° 7	n.a.	S 20
M21	1 33 27	22° 6'49	18°15	10° 0	26°31	27°33	13°40	1°12	16°43	14°42	29° 3	9°45	7°58	21°14	n.a.	M21
T 22	1 37 23	23° 7'40	0♏48	11°35	27°44	28°18	13°37	1°10	16°44	14°43	29° 5	9°38	7°54	21°21	n.a.	T 22
W23	1 41 20	24° 8'32	13° 9	13° 9	28°57	29° 3	13°34	1° 8	16°44	14°45	29° 7	9°29	7°51	21°27	n.a.	W23
T 24	1 45 16	25° 9'26	25°20	14°44	0♐11	29°48	13°31	1° 6	16°44	14°46	29°10	9°20	7°48	21°34	n.a.	T 24
F 25	1 49 13	26°10'20	7♐22	16°18	1°24	0♑34	13°27	1° 5	16°45	14°48	29°12	9°12	7°45	21°41	n.a.	F 25
S 26	1 53 9	27°11'16	19°16	17°53	2°37	1°19	13°24	1° 3	16°45	14°50	29°14	9° 4	7°42	21°48	n.a.	S 26
S 27	1 57 6	28°12'13	1♑ 7	19°27	3°50	2° 4	13°20	1° 1	16°45	14°51	29°17	8°58	7°38	21°54	n.a.	S 27
M28	2 1 3	29°13'11	12°58	21° 2	5° 3	2°49	13°16	1° 0	16°45	14°53	29°19	8°54	7°35	22° 1	n.a.	M28
T 29	2 4 59	0♏14'10	24°53	22°37	6°17	3°35	13°12	0°59	16°R45	14°55	29°22	8°D52	7°32	22° 8	n.a.	T 29
W30	2 8 56	1°15'09	6♒58	24°11	7°30	4°20	13° 7	0°58	16°45	14°56	29°24	8°52	7°29	22°14	n.a.	W30
T 31	2 12 52	2♏16'10	19♒18	25♎45	8♐43	5♑ 5	13♊ 3	0♓57	16♋45	14♐58	29♎26	8♍53	7♍26	22♐21	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	0s47	18s29	4n12	8n 4	1n45	12s53	0s37	24s31	1s55	22n27	0s19	13s11	2s32	23n14	0n31	21s52	0n57	0n47	12n37	7n52	8n18	18s14			n.a.
W 2	1 11	17 13	3 27	7 55	1 53	13 22	0 40	24 36	1 55	22 27	0 19	13 13	2 32	23 14	0 31	21 52	0 57	0 46	12 37	7 51	8 19	18 15			n.a.
T 3	1 35	15 7	2 31	7 43	1 59	13 50	0 42	24 41	1 54	22 27	0 19	13 14	2 32	23 14	0 31	21 53	0 57	0 45	12 36	7 50	8 20	18 16			n.a.
F 4	1 59	12 15	1 27	7 26	2 4	14 18	0 45	24 46	1 54	22 27	0 19	13 15	2 32	23 14	0 31	21 53	0 57	0 44	12 36	7 50	8 21	18 16			n.a.
S 5	2 24	8 41	0 16	7 5	2 7	14 45	0 48	24 50	1 53	22 27	0 19	13 16	2 32	23 14	0 31	21 53	0 57	0 43	12 36	7 49	8 22	18 17			n.a.
S 6	2 48	4 36	0s57	6 41	2 10	15 12	0 51	24 55	1 53	22 27	0 19	13 17	2 32	23 14	0 31	21 53	0 57	0 42	12 36	7 50	8 24	18 18			n.a.
M 7	3 12	0 10	2 9	6 14	2 11	15 39	0 54	24 59	1 52	22 28	0 19	13 19	2 31	23 13	0 31	21 53	0 57	0 41	12 36	7 50	8 25	18 18			n.a.
T 8	3 36	4n23	3 15	5 45	2 12	16 5	0 57	25 3	1 52	22 28	0 19	13 20	2 31	23 13	0 31	21 53	0 56	0 40	12 35	7 51	8 26	18 19			n.a.
W 9	4 0	8 45	4 9	5 13	2 11	16 31	0 59	25 6	1 51	22 28	0 19	13 21	2 31	23 13	0 31	21 54	0 56	0 39	12 35	7 53	8 27	18 20			n.a.
T 10	4 24	12 39	4 48	4 39	2 10	16 56	1 2	25 10	1 51	22 28	0 19	13 22	2 31	23 13	0 31	21 54	0 56	0 38	12 35	7 55	8 28	18 20			n.a.
F 11	4 48	15 47	5 9	4 3	2 8	17 21	1 5	25 13	1 51	22 28	0 19	13 23	2 31	23 13	0 31	21 54	0 56	0 37	12 35	7 57	8 30	18 21			n.a.
S 12	5 12	17 55	5 10	3 26	2 5	17 46	1 8	25 15	1 50	22 28	0 19	13 24	2 31	23 13	0 31	21 54	0 56	0 36	12 35	7 58	8 31	18 22			n.a.
S 13	5 36	18 53	4 51	2 48	2 2	18 10	1 10	25 18	1 50	22 28	0 19	13 25	2 31	23 13	0 31	21 54	0 56	0 35	12 34	7 59	8 32	18 22			n.a.
M14	6 0	18 40	4 15	2 8	1 58	18 34	1 13	25 20	1 49	22 28	0 18	13 25	2 30	23 13	0 31	21 55	0 56	0 34	12 34	7 59	8 33	18 23			n.a.
T 15	6 23	17 19	3 25	1 28	1 54	18 57	1 15	25 22	1 49	22 28	0 18	13 26	2 30	23 13	0 31	21 55	0 56	0 33	12 34	7 59	8 34	18 24			n.a.
W16	6 47	14 57	2 23	0 47	1 50	19 20	1 18	25 24	1 48	22 27	0 18	13 27	2 30	23 13	0 31	21 55	0 56	0 32	12 34	7 58	8 36	18 24			n.a.
T 17	7 10	11 48	1 14	0 5	1 45	19 42	1 21	25 26	1 47	22 27	0 18	13 28	2 30	23 13	0 31	21 55	0 56	0 31	12 34	7 58	8 37	18 25			n.a.
F 18	7 34	8 5	0 2	0s37	1 40	20 4	1 23	25 27	1 47	22 27	0 18	13 28	2 30	23 13	0 31	21 55	0 56	0 31	12 34	7 58	8 38	18 26			n.a.
S 19	7 57	4 1	1n 8	1 19	1 34	20 25	1 25	25 28	1 46	22 27	0 18	13 29	2 30	23 13	0 31	21 56	0 56	0 30	12 33	7 58	8 39	18 26			n.a.
S 20	8 20	0s10	2 14	2 2	1 28	20 45	1 28	25 28	1 46	22 27	0 18	13 30	2 29	23 13	0 31	21 56	0 56	0 29	12 33	7 59	8 40	18 27			n.a.
M21	8 43	4 17	3 13	2 45	1 23	21 5	1 30	25 29	1 45	22 27	0 18	13 30	2 29	23 13	0 31	21 56	0 56	0 28	12 33	8 1	8 42	18 28			n.a.
T 22	9 6	8 9	4 0	3 28	1 16	21 25	1 33	25 29	1 45	22 26	0 18	13 31	2 29	23 13	0 31	21 56	0 56	0 27	12 33	8 4	8 43	18 28			n.a.
W23	9 29	11 36	4 36	4 11	1 10	21 44	1 35	25 29	1 44	22 26	0 18	13 31	2 29	23 13	0 32	21 56	0 56	0 26	12 33	8 7	8 44	18 29			n.a.
T 24	9 51	14 31	4 58	4 54	1 4	22 2	1 37	25 29	1 43	22 26	0 18	13 32	2 29	23 13	0 32	21 57	0 56	0 25	12 33	8 10	8 45	18 29			n.a.
F 25	10 14	16 46	5 7	5 37	0 57	22 20	1 39	25 28	1 43	22 25	0 17	13 32	2 28	23 13	0 32	21 57	0 56	0 24	12 33	8 14	8 46	18 30			n.a.
S 26	10 36	18 17	5 2	6 19	0 51	22 37	1 41	25 27	1 42	22 25	0 17	13 33	2 28	23 13	0 32	21 57	0 56	0 23	12 33	8 17	8 48	18 31			n.a.
S 27	10 58	19 0	4 45	7 2	0 44	22 53	1 43	25 26	1 42	22 25	0 17	13 33	2 28	23 13	0 32	21 57	0 56	0 22	12 32	8 19	8 49	18 31			n.a.
M28	11 20	18 53	4 15	7 44	0 38	23 9	1 45	25 24	1 41	22 24	0 17	13 33	2 28	23 13	0 32	21 58	0 56	0 21	12 32	8 20	8 50	18 32			n.a.
T 29	11 42	17 55	3 34	8 26	0 31	23 24	1 47	25 23	1 40	22 24	0 17	13 34	2 28	23 13	0 32	21 58	0 56	0 20	12 32	8 21	8 51	18 33			n.a.
W30	12 4	16 9	2 43	9 7	0 24	23 38	1 49	25 21	1 40	22 23	0 17	13 34	2 27	23 13	0 32	21 58	0 56	0 20	12 32	8 21	8 52	18 33			n.a.
T 31	12s25	13s36	1n43	9s48	0n18	23s52	1s51	25s18	1s39	22n23	0s17	13s34	2s27	23n13	0n32	21s58	0n56	0n19	12n32	8n21	8n54	18s34			n.a.

Julian Day Number = 1546741.5, Delta T = 04h33m45s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'40, Lahiri = -10°33'39 Julian Calendar 1 Oct. 479 BCE == Greg. Calendar 26 Sept. 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

NOVEMBER 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 16 49	3♏17'11	1♓57	27♎20	9♐56	5♑51	12°R58	0°R56	16°R45	15♐ 0	29♎29	8♍54	7♍23	22♐28	n.a.	F 1
S 2	2 20 45	4°18'13	15° 0	28°54	11° 9	6°36	12♊54	0♓55	16♋44	15° 2	29°31	8°R54	7°19	22°35	n.a.	S 2
S 3	2 24 42	5°19'16	28°30	0♏28	12°22	7°21	12°48	0°54	16°44	15° 4	29°33	8°52	7°16	22°41	n.a.	S 3
M 4	2 28 38	6°20'19	12♈28	2° 3	13°34	8° 7	12°43	0°53	16°44	15° 6	29°36	8°48	7°13	22°48	n.a.	M 4
T 5	2 32 35	7°21'23	26°52	3°37	14°47	8°52	12°38	0°53	16°43	15° 7	29°38	8°41	7°10	22°55	n.a.	T 5
W 6	2 36 32	8°22'29	11♉36	5°11	16° 0	9°38	12°32	0°52	16°43	15° 9	29°41	8°33	7° 7	23° 1	n.a.	W 6
T 7	2 40 28	9°23'35	26°33	6°45	17°13	10°23	12°27	0°52	16°42	15°11	29°43	8°23	7° 4	23° 8	n.a.	T 7
F 8	2 44 25	10°24'42	11♊34	8°20	18°25	11° 8	12°21	0°52	16°42	15°13	29°45	8°13	7° 0	23°15	n.a.	F 8
S 9	2 48 21	11°25'50	26°28	9°54	19°38	11°54	12°15	0°D52	16°41	15°15	29°48	8° 5	6°57	23°22	n.a.	S 9
S 10	2 52 18	12°26'59	11♋ 8	11°28	20°50	12°39	12° 9	0°52	16°41	15°17	29°50	7°59	6°54	23°28	n.a.	S 10
M11	2 56 14	13°28'09	25°30	13° 3	22° 3	13°25	12° 3	0°52	16°40	15°19	29°52	7°55	6°51	23°35	n.a.	M11
T 12	3 0 11	14°29'20	9♌30	14°37	23°15	14°10	11°56	0°52	16°39	15°21	29°55	7°D53	6°48	23°42	n.a.	T 12
W13	3 4 8	15°30'32	23° 8	16°12	24°28	14°56	11°50	0°53	16°38	15°23	29°57	7°54	6°44	23°49	n.a.	W13
T 14	3 8 4	16°31'45	6♍28	17°47	25°40	15°41	11°43	0°53	16°38	15°25	29°59	7°R54	6°41	23°55	n.a.	T 14
F 15	3 12 1	17°32'58	19°30	19°22	26°52	16°27	11°36	0°54	16°37	15°27	0♏ 2	7°53	6°38	24° 2	n.a.	F 15
S 16	3 15 57	18°34'12	2♎18	20°57	28° 5	17°12	11°30	0°54	16°36	15°29	0° 4	7°51	6°35	24° 9	n.a.	S 16
S 17	3 19 54	19°35'27	14°54	22°32	29°17	17°58	11°23	0°55	16°35	15°31	0° 6	7°45	6°32	24°15	n.a.	S 17
M18	3 23 50	20°36'43	27°20	24° 7	0♑29	18°43	11°15	0°56	16°34	15°33	0° 8	7°37	6°29	24°22	n.a.	M18
T 19	3 27 47	21°37'59	9♏37	25°43	1°41	19°29	11° 8	0°57	16°32	15°36	0°11	7°25	6°25	24°29	n.a.	T 19
W20	3 31 43	22°39'16	21°47	27°19	2°53	20°14	11° 1	0°58	16°31	15°38	0°13	7°12	6°22	24°36	n.a.	W20
T 21	3 35 40	23°40'33	3♐50	28°55	4° 5	21° 0	10°54	0°59	16°30	15°40	0°15	6°57	6°19	24°42	n.a.	T 21
F 22	3 39 37	24°41'50	15°47	0♐31	5°17	21°45	10°46	1° 1	16°29	15°42	0°17	6°43	6°16	24°49	n.a.	F 22
S 23	3 43 33	25°43'07	27°40	2° 7	6°28	22°31	10°38	1° 2	16°27	15°44	0°20	6°30	6°13	24°56	n.a.	S 23
S 24	3 47 30	26°44'25	9♑30	3°44	7°40	23°16	10°31	1° 4	16°26	15°46	0°22	6°19	6°10	25° 2	n.a.	S 24
M25	3 51 26	27°45'42	21°19	5°20	8°52	24° 2	10°23	1° 6	16°25	15°48	0°24	6°11	6° 6	25° 9	n.a.	M25
T 26	3 55 23	28°46'59	3♒13	6°57	10° 3	24°47	10°15	1° 7	16°23	15°51	0°26	6° 6	6° 3	25°16	n.a.	T 26
W27	3 59 19	29°48'16	15°14	8°34	11°14	25°32	10° 7	1° 9	16°22	15°53	0°28	6° 3	6° 0	25°23	n.a.	W27
T 28	4 3 16	0♐49'33	27°29	10°12	12°26	26°18	10° 0	1°11	16°20	15°55	0°30	6° 3	5°57	25°29	n.a.	T 28
F 29	4 7 12	1°50'50	10♓ 2	11°49	13°37	27° 3	9°52	1°13	16°18	15°57	0°33	6° 3	5°54	25°36	n.a.	F 29
S 30	4 11 9	2♐52'06	22♓58	13♐26	14♑48	27♑49	9♊44	1♓16	16♋17	15♐59	0♏35	6♍ 2	5♍50	25♐43	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s46	10s20	0n37	10s29	0n11	24s 5	1s53	25s16	1s39	22n22	0s17	13s34	2s27	23n13	0n32	21s58	0n56	0n18	12n32	8n20	8n55	18s34		n.a.
S 2	13 7	6 29	0s33	11 9	0 4	24 18	1 55	25 13	1 38	22 22	0 17	13 34	2 27	23 13	0 32	21 59	0 56	0 17	12 32	8 20	8 56	18 35		n.a.
S 3	13 28	2 10	1 43	11 49	0s 2	24 29	1 56	25 10	1 37	22 21	0 16	13 35	2 27	23 13	0 32	21 59	0 56	0 16	12 32	8 21	8 57	18 36		n.a.
M 4	13 48	2n24	2 49	12 29	0 9	24 40	1 58	25 6	1 37	22 21	0 16	13 35	2 26	23 13	0 32	21 59	0 56	0 15	12 32	8 22	8 58	18 36		n.a.
T 5	14 9	6 58	3 47	13 8	0 15	24 51	1 59	25 3	1 36	22 20	0 16	13 35	2 26	23 13	0 32	21 59	0 55	0 14	12 32	8 25	9 0	18 37		n.a.
W 6	14 29	11 13	4 31	13 46	0 22	25 0	2 1	24 59	1 35	22 20	0 16	13 35	2 26	23 13	0 32	22 0	0 55	0 14	12 32	8 28	9 1	18 37		n.a.
T 7	14 49	14 49	4 57	14 23	0 28	25 9	2 2	24 55	1 35	22 19	0 16	13 34	2 26	23 13	0 32	22 0	0 55	0 13	12 32	8 32	9 2	18 38		n.a.
F 8	15 8	17 28	5 3	15 1	0 35	25 17	2 3	24 50	1 34	22 18	0 16	13 34	2 26	23 13	0 32	22 0	0 55	0 12	12 32	8 36	9 3	18 38		n.a.
S 9	15 27	18 54	4 48	15 37	0 41	25 24	2 4	24 46	1 33	22 18	0 16	13 34	2 25	23 13	0 32	22 0	0 55	0 11	12 32	8 39	9 4	18 39		n.a.
S 10	15 46	19 3	4 15	16 13	0 47	25 31	2 5	24 41	1 33	22 17	0 16	13 34	2 25	23 14	0 32	22 1	0 55	0 10	12 32	8 41	9 6	18 40		n.a.
M11	16 5	17 57	3 25	16 48	0 53	25 37	2 6	24 35	1 32	22 16	0 16	13 34	2 25	23 14	0 32	22 1	0 55	0 10	12 32	8 43	9 7	18 40		n.a.
T 12	16 24	15 47	2 25	17 22	0 59	25 42	2 7	24 30	1 31	22 16	0 15	13 33	2 25	23 14	0 32	22 1	0 55	0 9	12 32	8 43	9 8	18 41		n.a.
W13	16 42	12 46	1 18	17 56	1 4	25 46	2 8	24 24	1 30	22 15	0 15	13 33	2 24	23 14	0 32	22 1	0 55	0 8	12 32	8 43	9 9	18 41		n.a.
T 14	17 0	9 8	0 8	18 28	1 10	25 50	2 9	24 18	1 30	22 14	0 15	13 33	2 24	23 14	0 32	22 2	0 55	0 7	12 32	8 43	9 10	18 42		n.a.
F 15	17 17	5 9	1n 1	19 0	1 15	25 52	2 10	24 12	1 29	22 13	0 15	13 32	2 24	23 14	0 32	22 2	0 55	0 7	12 32	8 43	9 11	18 42		n.a.
S 16	17 35	1 0	2 6	19 31	1 20	25 54	2 10	24 5	1 28	22 12	0 15	13 32	2 24	23 14	0 32	22 2	0 55	0 6	12 32	8 44	9 13	18 43		n.a.
S 17	17 52	3s 8	3 3	20 1	1 25	25 56	2 11	23 58	1 28	22 12	0 15	13 31	2 24	23 15	0 32	22 2	0 55	0 5	12 32	8 46	9 14	18 44		n.a.
M18	18 8	7 5	3 50	20 30	1 30	25 56	2 11	23 51	1 27	22 11	0 15	13 31	2 23	23 15	0 32	22 3	0 55	0 5	12 32	8 49	9 15	18 44		n.a.
T 19	18 24	10 41	4 26	20 58	1 35	25 56	2 11	23 44	1 26	22 10	0 15	13 30	2 23	23 15	0 32	22 3	0 55	0 4	12 32	8 54	9 16	18 45		n.a.
W20	18 40	13 47	4 49	21 25	1 39	25 55	2 11	23 37	1 25	22 9	0 14	13 30	2 23	23 15	0 33	22 3	0 55	0 3	12 32	8 59	9 17	18 45		n.a.
T 21	18 56	16 17	5 0	21 51	1 43	25 53	2 12	23 29	1 25	22 8	0 14	13 29	2 23	23 15	0 33	22 3	0 55	0 2	12 33	9 4	9 19	18 46		n.a.
F 22	19 11	18 4	4 56	22 16	1 47	25 50	2 12	23 21	1 24	22 7	0 14	13 28	2 22	23 15	0 33	22 4	0 55	0 2	12 33	9 10	9 20	18 46		n.a.
S 23	19 26	19 4	4 40	22 40	1 51	25 47	2 11	23 13	1 23	22 6	0 14	13 27	2 22	23 16	0 33	22 4	0 55	0 1	12 33	9 15	9 21	18 47		n.a.
S 24	19 41	19 13	4 12	23 2	1 54	25 43	2 11	23 4	1 22	22 5	0 14	13 27	2 22	23 16	0 33	22 4	0 55	0 0	12 33	9 19	9 22	18 47		n.a.
M25	19 55	18 32	3 33	23 23	1 57	25 38	2 11	22 55	1 22	22 4	0 14	13 26	2 22	23 16	0 33	22 4	0 55	0s 0	12 33	9 22	9 23	18 48		n.a.
T 26	20 9	17 2	2 44	23 43	2 0	25 32	2 11	22 47	1 21	22 3	0 14	13 25	2 22	23 16	0 33	22 5	0 55	0 1	12 33	9 24	9 25	18 48		n.a.
W27	20 22	14 46	1 48	24 2	2 2	25 26	2 10	22 37	1 20	22 2	0 13	13 24	2 21	23 17	0 33	22 5	0 55	0 1	12 33	9 24	9 26	18 49		n.a.
T 28	20 35	11 48	0 45	24 19	2 4	25 18	2 9	22 28	1 19	22 1	0 13	13 23	2 21	23 17	0 33	22 5	0 55	0 2	12 33	9 25	9 27	18 49		n.a.
F 29	20 48	8 14	0s21	24 34	2 6	25 11	2 9	22 18	1 19	22 0	0 13	13 22	2 21	23 17	0 33	22 5	0 55	0 3	12 33	9 25	9 28	18 50		n.a.
S 30	21s 0	4s10	1s28	24s48	2s 7	25s 2	2s 8	22s 8	1s18	21n59	0s13	13s21	2s21	23n17	0n33	22s 6	0n55	0s 3	12n34	9n25	9n29	18s51		n.a.

Julian Day Number = 1546772.5, Delta T = 04h33m43s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'36, Lahiri = -10°33'35 Julian Calendar 1 Nov. 479 BCE == Greg. Calendar 27 Oct. 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 479 BCE
geocentric

DECEMBER 479 BCE (-478) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 15 6	3♐53'22	6♈22	15♐ 4	15♑59	28♑34	9°R36	1♓18	16°R15	16♐ 2	0♏37	6°R 0	5♍47	25♐49	n.a.	S 1
M 2	4 19 2	4°54'37	20°17	16°41	17°10	29°20	9♊28	1°20	16♋13	16° 4	0°39	5♍54	5°44	25°56	n.a.	M 2
T 3	4 22 59	5°55'52	4♉42	18°18	18°21	0♒ 5	9°19	1°23	16°12	16° 6	0°41	5°47	5°41	26° 3	n.a.	T 3
W 4	4 26 55	6°57'07	19°33	19°55	19°31	0°50	9°11	1°26	16°10	16° 8	0°43	5°36	5°38	26°10	n.a.	W 4
T 5	4 30 52	7°58'21	4♊43	21°32	20°42	1°36	9° 3	1°28	16° 8	16°11	0°45	5°25	5°35	26°16	n.a.	T 5
F 6	4 34 48	8°59'35	20° 2	23° 8	21°52	2°21	8°55	1°31	16° 6	16°13	0°47	5°13	5°31	26°23	n.a.	F 6
S 7	4 38 45	10° 0'49	5♋18	24°43	23° 3	3° 6	8°47	1°34	16° 4	16°15	0°49	5° 2	5°28	26°30	n.a.	S 7
S 8	4 42 41	11° 2'02	20°20	26°18	24°13	3°52	8°39	1°37	16° 2	16°17	0°51	4°54	5°25	26°36	n.a.	S 8
M 9	4 46 38	12° 3'16	5♌ 1	27°51	25°23	4°37	8°31	1°40	16° 0	16°20	0°53	4°49	5°22	26°43	n.a.	M 9
T 10	4 50 35	13° 4'29	19°14	29°23	26°33	5°22	8°23	1°44	15°58	16°22	0°55	4°47	5°19	26°50	n.a.	T 10
W11	4 54 31	14° 5'42	3♍ 1	0♑54	27°42	6° 7	8°15	1°47	15°56	16°24	0°56	4°D46	5°16	26°57	n.a.	W11
T 12	4 58 28	15° 6'55	16°22	2°22	28°52	6°52	8° 7	1°50	15°54	16°27	0°58	4°R46	5°12	27° 3	n.a.	T 12
F 13	5 2 24	16° 8'07	29°21	3°48	0♒ 2	7°38	7°59	1°54	15°52	16°29	1° 0	4°45	5° 9	27°10	n.a.	F 13
S 14	5 6 21	17° 9'19	12♎ 0	5°10	1°11	8°23	7°51	1°58	15°50	16°31	1° 2	4°43	5° 6	27°17	n.a.	S 14
S 15	5 10 17	18°10'31	24°26	6°29	2°20	9° 8	7°43	2° 1	15°47	16°33	1° 4	4°38	5° 3	27°23	n.a.	S 15
M16	5 14 14	19°11'42	6♏40	7°44	3°29	9°53	7°35	2° 5	15°45	16°36	1° 6	4°30	5° 0	27°30	n.a.	M16
T 17	5 18 11	20°12'52	18°46	8°53	4°38	10°38	7°27	2° 9	15°43	16°38	1° 7	4°19	4°56	27°37	n.a.	T 17
W18	5 22 7	21°14'03	0♐45	9°57	5°47	11°23	7°20	2°13	15°41	16°40	1° 9	4° 6	4°53	27°44	n.a.	W18
T 19	5 26 4	22°15'12	12°41	10°55	6°55	12° 8	7°12	2°17	15°38	16°42	1°11	3°52	4°50	27°50	n.a.	T 19
F 20	5 30 0	23°16'21	24°34	11°45	8° 4	12°53	7° 4	2°21	15°36	16°45	1°12	3°38	4°47	27°57	n.a.	F 20
S 21	5 33 57	24°17'28	6♑25	12°26	9°12	13°38	6°57	2°26	15°34	16°47	1°14	3°25	4°44	28° 4	n.a.	S 21
S 22	5 37 53	25°18'35	18°16	12°59	10°20	14°23	6°50	2°30	15°31	16°49	1°16	3°14	4°41	28°10	n.a.	S 22
M23	5 41 50	26°19'41	0♒ 8	13°22	11°27	15° 8	6°42	2°35	15°29	16°52	1°17	3° 6	4°37	28°17	n.a.	M23
T 24	5 45 46	27°20'45	12° 5	13°34	12°35	15°53	6°35	2°39	15°26	16°54	1°19	3° 1	4°34	28°24	n.a.	T 24
W25	5 49 43	28°21'49	24° 9	13°R35	13°42	16°38	6°28	2°44	15°24	16°56	1°20	2°59	4°31	28°31	n.a.	W25
T 26	5 53 40	29°22'51	6♓24	13°25	14°49	17°23	6°21	2°48	15°21	16°58	1°22	2°D58	4°28	28°37	n.a.	T 26
F 27	5 57 36	0♑23'51	18°54	13° 3	15°56	18° 8	6°14	2°53	15°19	17° 0	1°23	2°59	4°25	28°44	n.a.	F 27
S 28	6 1 33	1°24'51	1♈45	12°30	17° 3	18°53	6° 8	2°58	15°16	17° 3	1°25	3°R 0	4°22	28°51	n.a.	S 28
S 29	6 5 29	2°25'48	15° 1	11°47	18°10	19°37	6° 1	3° 3	15°14	17° 5	1°26	2°59	4°18	28°57	n.a.	S 29
M30	6 9 26	3°26'45	28°45	10°55	19°16	20°22	5°55	3° 8	15°11	17° 7	1°28	2°56	4°15	29° 4	n.a.	M30
T 31	6 13 22	4♑27'39	12♉57	9♑54	20♒22	21♒ 7	5♊48	3♓13	15♋ 9	17♐ 9	1♏29	2♍51	4♍12	29♐11	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	21s12	0n14	2s33	25s 1	2s 8	24s53	2s 7	21s58	1s17	21n58	0s13	13s20	2s20	23n17	0n33	22s 6	0n55	0s 4	12n34	9n26	9n30	18s51					n.a.
M 2	21 24	4 46	3 31	25 12	2 8	24 43	2 6	21 48	1 16	21 57	0 13	13 19	2 20	23 18	0 33	22 6	0 55	0 4	12 34	9 28	9 32	18 52					n.a.
T 3	21 35	9 13	4 18	25 21	2 8	24 32	2 5	21 38	1 16	21 56	0 13	13 18	2 20	23 18	0 33	22 6	0 55	0 5	12 34	9 31	9 33	18 52					n.a.
W 4	21 45	13 13	4 49	25 28	2 7	24 21	2 3	21 27	1 15	21 55	0 12	13 17	2 20	23 18	0 33	22 7	0 55	0 5	12 34	9 35	9 34	18 53					n.a.
T 5	21 55	16 26	5 0	25 34	2 5	24 9	2 2	21 16	1 14	21 54	0 12	13 16	2 20	23 18	0 33	22 7	0 55	0 6	12 34	9 39	9 35	18 53					n.a.
F 6	22 5	18 33	4 50	25 37	2 3	23 56	2 1	21 5	1 13	21 52	0 12	13 14	2 19	23 19	0 33	22 7	0 55	0 6	12 35	9 43	9 36	18 54					n.a.
S 7	22 14	19 19	4 20	25 39	2 1	23 42	1 59	20 54	1 13	21 51	0 12	13 13	2 19	23 19	0 33	22 7	0 55	0 7	12 35	9 47	9 38	18 54					n.a.
S 8	22 23	18 42	3 32	25 39	1 57	23 28	1 57	20 42	1 12	21 50	0 12	13 12	2 19	23 19	0 33	22 8	0 55	0 7	12 35	9 50	9 39	18 55					n.a.
M 9	22 32	16 50	2 30	25 37	1 53	23 14	1 55	20 30	1 11	21 49	0 12	13 10	2 19	23 19	0 33	22 8	0 55	0 8	12 35	9 52	9 40	18 55					n.a.
T 10	22 40	13 58	1 21	25 34	1 49	22 58	1 53	20 18	1 10	21 48	0 11	13 9	2 19	23 20	0 33	22 8	0 55	0 8	12 35	9 53	9 41	18 55					n.a.
W11	22 47	10 23	0 9	25 28	1 43	22 43	1 51	20 6	1 9	21 47	0 11	13 8	2 18	23 20	0 33	22 8	0 55	0 9	12 36	9 53	9 42	18 56					n.a.
T 12	22 54	6 23	1n 1	25 20	1 37	22 26	1 49	19 54	1 9	21 46	0 11	13 6	2 18	23 20	0 33	22 9	0 55	0 9	12 36	9 53	9 43	18 56					n.a.
F 13	23 1	2 11	2 6	25 11	1 29	22 9	1 47	19 42	1 8	21 45	0 11	13 5	2 18	23 21	0 33	22 9	0 55	0 10	12 36	9 53	9 45	18 57					n.a.
S 14	23 7	2s 0	3 3	25 0	1 21	21 51	1 45	19 29	1 7	21 43	0 11	13 3	2 18	23 21	0 33	22 9	0 55	0 10	12 36	9 54	9 46	18 57					n.a.
S 15	23 13	6 1	3 51	24 47	1 12	21 33	1 42	19 16	1 6	21 42	0 11	13 2	2 18	23 21	0 33	22 9	0 55	0 10	12 36	9 56	9 47	18 58					n.a.
M16	23 18	9 43	4 27	24 33	1 1	21 14	1 39	19 3	1 5	21 41	0 11	13 0	2 17	23 21	0 33	22 10	0 55	0 11	12 37	9 59	9 48	18 58					n.a.
T 17	23 23	12 59	4 50	24 17	0 50	20 55	1 37	18 50	1 5	21 40	0 10	12 58	2 17	23 22	0 33	22 10	0 55	0 11	12 37	10 3	9 49	18 59					n.a.
W18	23 27	15 41	5 0	24 0	0 38	20 35	1 34	18 37	1 4	21 39	0 10	12 57	2 17	23 22	0 33	22 10	0 55	0 11	12 37	10 8	9 50	18 59					n.a.
T 19	23 31	17 42	4 57	23 42	0 24	20 15	1 31	18 23	1 3	21 38	0 10	12 55	2 17	23 22	0 33	22 10	0 55	0 12	12 37	10 13	9 52	19 0					n.a.
F 20	23 35	18 57	4 41	23 23	0 10	19 54	1 28	18 9	1 2	21 37	0 10	12 53	2 17	23 23	0 33	22 10	0 55	0 12	12 38	10 18	9 53	19 0					n.a.
S 21	23 38	19 23	4 13	23 4	0n 6	19 33	1 24	17 56	1 2	21 36	0 10	12 52	2 16	23 23	0 33	22 11	0 55	0 12	12 38	10 23	9 54	19 1					n.a.
S 22	23 40	18 57	3 34	22 44	0 22	19 11	1 21	17 42	1 1	21 34	0 10	12 50	2 16	23 23	0 33	22 11	0 55	0 13	12 38	10 27	9 55	19 1					n.a.
M23	23 42	17 42	2 45	22 25	0 40	18 49	1 18	17 28	1 0	21 33	0 9	12 48	2 16	23 24	0 33	22 11	0 55	0 13	12 39	10 30	9 56	19 1					n.a.
T 24	23 43	15 39	1 49	22 6	0 57	18 26	1 14	17 13	0 59	21 32	0 9	12 46	2 16	23 24	0 33	22 11	0 55	0 13	12 39	10 32	9 58	19 2					n.a.
W25	23 44	12 54	0 47	21 47	1 16	18 3	1 10	16 59	0 58	21 31	0 9	12 44	2 16	23 24	0 33	22 12	0 55	0 13	12 39	10 33	9 59	19 2					n.a.
T 26	23 45	9 34	0s18	21 30	1 34	17 40	1 7	16 44	0 58	21 30	0 9	12 42	2 15	23 24	0 33	22 12	0 55	0 14	12 39	10 33	10 0	19 3					n.a.
F 27	23 45	5 44	1 24	21 14	1 53	17 16	1 3	16 30	0 57	21 29	0 9	12 41	2 15	23 25	0 33	22 12	0 55	0 14	12 40	10 32	10 1	19 3					n.a.
S 28	23 45	1 33	2 27	20 59	2 11	16 51	0 59	16 15	0 56	21 28	0 9	12 39	2 15	23 25	0 33	22 12	0 55	0 14	12 40	10 32	10 2	19 4					n.a.
S 29	23 44	2n51	3 25	20 45	2 28	16 27	0 55	16 0	0 55	21 27	0 8	12 37	2 15	23 25	0 34	22 13	0 55	0 14	12 40	10 33	10 3	19 4					n.a.
M30	23 42	7 14	4 13	20 34	2 45	16 2	0 50	15 45	0 54	21 26	0 8	12 35	2 15	23 26	0 34	22 13	0 55	0 15	12 40	10 34	10 5	19 4					n.a.
T 31	23s40	11n22	4s47	20s24	2n59	15s37	0s46	15s29	0s54	21n25	0s 8	12s33	2s15	23n26	0n34	22s13	0n55	0s15	12n41	10n36	10n 6	19s 5					n.a.

Julian Day Number = 1546802.5, Delta T = 04h33m42s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'31, Lahiri = -10°33'31 Julian Calendar 1 Dec. 479 BCE == Greg. Calendar 26 Nov. 479 BCE

The year -478 astronomical counting style corresponds to year 479 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

JANUARY 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 17 19	5♉28'33	27♉38	8°R48	21♒27	21♒52	5°R42	3♓18	15°R 6	17♐11	1♏30	2°R43	4♍ 9	29♐18	n.a.	W 1
T 2	6 21 15	6°29'25	12♊41	7♉37	22°33	22°36	5♊36	3°24	15♋ 4	17°14	1°32	2♍35	4° 6	29°24	n.a.	T 2
F 3	6 25 12	7°30'15	27°59	6°24	23°38	23°21	5°30	3°29	15° 1	17°16	1°33	2°26	4° 2	29°31	n.a.	F 3
S 4	6 29 9	8°31'04	13♋19	5°11	24°43	24° 5	5°24	3°34	14°58	17°18	1°34	2°18	3°59	29°38	n.a.	S 4
S 5	6 33 5	9°31'52	28°31	4° 0	25°47	24°50	5°19	3°40	14°56	17°20	1°35	2°12	3°56	29°44	n.a.	S 5
M 6	6 37 2	10°32'38	13♌24	2°53	26°51	25°34	5°13	3°46	14°53	17°22	1°36	2° 8	3°53	29°51	n.a.	M 6
T 7	6 40 58	11°33'23	27°52	1°51	27°55	26°19	5° 8	3°51	14°51	17°24	1°38	2°D 7	3°50	29°58	n.a.	T 7
W 8	6 44 55	12°34'07	11♍52	0°55	28°59	27° 3	5° 3	3°57	14°48	17°27	1°39	2° 7	3°47	0♑ 5	n.a.	W 8
T 9	6 48 51	13°34'49	25°24	0° 7	0♓ 2	27°48	4°58	4° 3	14°45	17°29	1°40	2° 8	3°43	0°11	n.a.	T 9
F 10	6 52 48	14°35'31	8♎29	29♐26	1° 5	28°32	4°53	4° 8	14°43	17°31	1°41	2° 9	3°40	0°18	n.a.	F 10
S 11	6 56 44	15°36'11	21°12	28°53	2° 7	29°16	4°49	4°14	14°40	17°33	1°42	2°R 9	3°37	0°25	n.a.	S 11
S 12	7 0 41	16°36'49	3♏36	28°28	3° 9	0♓ 1	4°44	4°20	14°38	17°35	1°43	2° 7	3°34	0°31	n.a.	S 12
M13	7 4 38	17°37'27	15°46	28°11	4°11	0°45	4°40	4°26	14°35	17°37	1°44	2° 4	3°31	0°38	n.a.	M13
T 14	7 8 34	18°38'02	27°47	28° 2	5°13	1°29	4°36	4°32	14°32	17°39	1°45	1°58	3°27	0°45	n.a.	T 14
W15	7 12 31	19°38'37	9♐41	28°D 0	6°14	2°13	4°32	4°39	14°30	17°41	1°45	1°51	3°24	0°51	n.a.	W15
T 16	7 16 27	20°39'10	21°32	28° 5	7°14	2°57	4°28	4°45	14°27	17°43	1°46	1°43	3°21	0°58	n.a.	T 16
F 17	7 20 24	21°39'41	3♑23	28°17	8°14	3°41	4°25	4°51	14°24	17°45	1°47	1°34	3°18	1° 5	n.a.	F 17
S 18	7 24 20	22°40'11	15°15	28°34	9°14	4°25	4°21	4°57	14°22	17°47	1°48	1°27	3°15	1°12	n.a.	S 18
S 19	7 28 17	23°40'39	27°10	28°58	10°13	5° 9	4°18	5° 4	14°19	17°49	1°49	1°21	3°12	1°18	n.a.	S 19
M20	7 32 14	24°41'05	9♒ 9	29°26	11°12	5°53	4°15	5°10	14°17	17°51	1°49	1°17	3° 8	1°25	n.a.	M20
T 21	7 36 10	25°41'30	21°15	29°59	12°10	6°37	4°12	5°17	14°14	17°53	1°50	1°14	3° 5	1°32	n.a.	T 21
W22	7 40 7	26°41'52	3♓29	0♑37	13° 8	7°21	4°10	5°23	14°12	17°54	1°51	1°D14	3° 2	1°38	n.a.	W22
T 23	7 44 3	27°42'12	15°53	1°20	14° 5	8° 5	4° 7	5°30	14° 9	17°56	1°51	1°15	2°59	1°45	n.a.	T 23
F 24	7 48 0	28°42'31	28°31	2° 5	15° 2	8°49	4° 5	5°37	14° 7	17°58	1°52	1°16	2°56	1°52	n.a.	F 24
S 25	7 51 56	29°42'47	11♈26	2°55	15°58	9°33	4° 3	5°43	14° 4	18° 0	1°52	1°18	2°53	1°59	n.a.	S 25
S 26	7 55 53	0♒43'00	24°40	3°48	16°53	10°16	4° 1	5°50	14° 2	18° 2	1°53	1°R19	2°49	2° 5	n.a.	S 26
M27	7 59 49	1°43'12	8♉16	4°44	17°48	11° 0	4° 0	5°57	13°59	18° 4	1°53	1°19	2°46	2°12	n.a.	M27
T 28	8 3 46	2°43'22	22°16	5°42	18°42	11°44	3°58	6° 4	13°57	18° 5	1°54	1°18	2°43	2°19	n.a.	T 28
W29	8 7 42	3°43'29	6♊39	6°44	19°36	12°27	3°57	6°10	13°54	18° 7	1°54	1°15	2°40	2°25	n.a.	W29
T 30	8 11 39	4°43'34	21°22	7°47	20°29	13°11	3°56	6°17	13°52	18° 9	1°54	1°12	2°37	2°32	n.a.	T 30
F 31	8 15 36	5♒43'37	6♋20	8♑53	21♓21	13♓55	3♊55	6♓24	13♋49	18♐10	1♏55	1♍ 8	2♍33	2♑39	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23s38	14n57	5s 4	20s15	3n12	15s11	0s41	15s14	0s53	21n24	0s 8	12s30	2s14	23n26	0n34	22s13	0n55	0s15	12n41	10n38	10n 7	19s 5			n.a.
T 2	23 35	17 39	5 0	20 9	3 23	14 45	0 37	14 59	0 52	21 23	0 8	12 28	2 14	23 27	0 34	22 13	0 55	0 15	12 41	10 41	10 8	19 6			n.a.
F 3	23 32	19 8	4 36	20 4	3 32	14 19	0 32	14 43	0 51	21 23	0 8	12 26	2 14	23 27	0 34	22 14	0 55	0 15	12 42	10 45	10 9	19 6			n.a.
S 4	23 28	19 15	3 51	20 1	3 38	13 53	0 27	14 27	0 50	21 22	0 7	12 24	2 14	23 27	0 34	22 14	0 55	0 15	12 42	10 47	10 10	19 7			n.a.
S 5	23 24	17 57	2 50	19 59	3 42	13 26	0 22	14 12	0 50	21 21	0 7	12 22	2 14	23 28	0 34	22 14	0 55	0 15	12 42	10 50	10 12	19 7			n.a.
M 6	23 20	15 26	1 39	20 0	3 43	12 59	0 17	13 56	0 49	21 20	0 7	12 20	2 14	23 28	0 34	22 14	0 55	0 15	12 43	10 51	10 13	19 7			n.a.
T 7	23 14	12 1	0 23	20 2	3 43	12 32	0 12	13 40	0 48	21 19	0 7	12 18	2 14	23 28	0 34	22 14	0 55	0 16	12 43	10 52	10 14	19 8			n.a.
W 8	23 9	8 0	0n52	20 5	3 40	12 5	0 7	13 23	0 47	21 18	0 7	12 15	2 13	23 28	0 34	22 15	0 55	0 16	12 43	10 51	10 15	19 8			n.a.
T 9	23 3	3 43	2 2	20 10	3 35	11 38	0 1	13 7	0 46	21 18	0 7	12 13	2 13	23 29	0 34	22 15	0 55	0 16	12 44	10 51	10 16	19 9			n.a.
F 10	22 56	0s36	3 3	20 16	3 29	11 10	0n 4	12 51	0 46	21 17	0 6	12 11	2 13	23 29	0 34	22 15	0 55	0 16	12 44	10 51	10 17	19 9			n.a.
S 11	22 49	4 46	3 54	20 23	3 22	10 42	0 10	12 35	0 45	21 16	0 6	12 8	2 13	23 29	0 34	22 15	0 55	0 16	12 44	10 51	10 19	19 9			n.a.
S 12	22 42	8 37	4 32	20 31	3 13	10 14	0 15	12 18	0 44	21 16	0 6	12 6	2 13	23 30	0 34	22 15	0 55	0 16	12 45	10 51	10 20	19 10			n.a.
M13	22 34	12 3	4 56	20 41	3 3	9 46	0 21	12 1	0 43	21 15	0 6	12 4	2 13	23 30	0 34	22 16	0 55	0 16	12 45	10 53	10 21	19 10			n.a.
T 14	22 26	14 55	5 8	20 51	2 53	9 18	0 27	11 45	0 43	21 14	0 6	12 1	2 13	23 30	0 34	22 16	0 55	0 16	12 45	10 55	10 22	19 10			n.a.
W15	22 17	17 9	5 6	21 2	2 42	8 50	0 33	11 28	0 42	21 14	0 6	11 59	2 12	23 31	0 34	22 16	0 55	0 16	12 46	10 57	10 23	19 11			n.a.
T 16	22 8	18 39	4 51	21 13	2 31	8 21	0 39	11 11	0 41	21 13	0 5	11 57	2 12	23 31	0 34	22 16	0 55	0 16	12 46	11 0	10 24	19 11			n.a.
F 17	21 59	19 20	4 23	21 25	2 20	7 53	0 46	10 54	0 40	21 13	0 5	11 54	2 12	23 31	0 34	22 16	0 55	0 16	12 46	11 3	10 26	19 11			n.a.
S 18	21 49	19 10	3 44	21 36	2 8	7 25	0 52	10 37	0 39	21 12	0 5	11 52	2 12	23 31	0 34	22 16	0 55	0 16	12 47	11 6	10 27	19 12			n.a.
S 19	21 39	18 9	2 55	21 48	1 56	6 56	0 58	10 20	0 39	21 12	0 5	11 49	2 12	23 32	0 34	22 17	0 55	0 15	12 47	11 8	10 28	19 12			n.a.
M20	21 28	16 19	1 57	22 0	1 45	6 28	1 5	10 3	0 38	21 11	0 5	11 47	2 12	23 32	0 34	22 17	0 55	0 15	12 47	11 10	10 29	19 13			n.a.
T 21	21 17	13 45	0 54	22 12	1 33	5 59	1 11	9 46	0 37	21 11	0 5	11 44	2 12	23 32	0 34	22 17	0 55	0 15	12 48	11 10	10 30	19 13			n.a.
W22	21 5	10 33	0s12	22 24	1 21	5 31	1 18	9 29	0 36	21 11	0 5	11 42	2 12	23 33	0 34	22 17	0 55	0 15	12 48	11 11	10 31	19 13			n.a.
T 23	20 53	6 51	1 19	22 35	1 10	5 2	1 25	9 12	0 36	21 10	0 4	11 39	2 12	23 33	0 34	22 17	0 55	0 15	12 48	11 10	10 33	19 14			n.a.
F 24	20 41	2 47	2 24	22 45	0 59	4 34	1 32	8 54	0 35	21 10	0 4	11 36	2 11	23 33	0 34	22 17	0 55	0 15	12 49	11 10	10 34	19 14			n.a.
S 25	20 29	1n29	3 22	22 55	0 48	4 5	1 39	8 37	0 34	21 10	0 4	11 34	2 11	23 33	0 34	22 18	0 55	0 15	12 49	11 9	10 35	19 14			n.a.
S 26	20 15	5 47	4 12	23 5	0 37	3 37	1 46	8 19	0 33	21 10	0 4	11 31	2 11	23 34	0 34	22 18	0 55	0 15	12 50	11 9	10 36	19 15			n.a.
M27	20 2	9 54	4 49	23 14	0 26	3 9	1 53	8 2	0 32	21 10	0 4	11 29	2 11	23 34	0 34	22 18	0 55	0 14	12 50	11 9	10 37	19 15			n.a.
T 28	19 48	13 35	5 10	23 22	0 16	2 41	2 0	7 44	0 32	21 9	0 4	11 26	2 11	23 34	0 34	22 18	0 55	0 14	12 50	11 9	10 38	19 15			n.a.
W29	19 34	16 34	5 12	23 29	0 6	2 13	2 8	7 27	0 31	21 9	0 3	11 23	2 11	23 34	0 34	22 18	0 55	0 14	12 51	11 10	10 39	19 16			n.a.
T 30	19 20	18 34	4 55	23 35	0s 4	1 45	2 15	7 9	0 30	21 9	0 3	11 21	2 11	23 35	0 34	22 18	0 55	0 14	12 51	11 11	10 41	19 16			n.a.
F 31	19s 5	19n19	4s17	23s40	0s13	1s18	2n23	6s52	0s29	21n 9	0s 3	11s18	2s11	23n35	0n34	22s18	0n55	0s13	12n51	11n13	10n42	19s16			n.a.

Julian Day Number = 1546833.5, Delta T = 04h33m41s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'27, Lahiri = -10°33'27 Julian Calendar 1 Jan. 478 BCE == Greg. Calendar 27 Dec. 479 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

FEBRUARY 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 19 32	6♒43'37	21♋24	10♉ 2	22♓12	14♓38	3°R55	6♓31	13°R47	18♐12	1♏55	1°R 5	2♍30	2♉45	n.a.	S 1
S 2	8 23 29	7°43'36	6♌26	11°12	23° 3	15°21	3♊54	6°38	13♋45	18°14	1°55	1♍ 2	2°27	2°52	n.a.	S 2
M 3	8 27 25	8°43'32	21°16	12°25	23°53	16° 5	3°54	6°46	13°42	18°15	1°56	1° 1	2°24	2°59	n.a.	M 3
T 4	8 31 22	9°43'27	5♍47	13°39	24°42	16°48	3°D54	6°53	13°40	18°17	1°56	1°D 1	2°21	3° 6	n.a.	T 4
W 5	8 35 18	10°43'19	19°54	14°55	25°30	17°31	3°54	7° 0	13°38	18°19	1°56	1° 1	2°18	3°12	n.a.	W 5
T 6	8 39 15	11°43'10	3♎35	16°13	26°17	18°15	3°55	7° 7	13°36	18°20	1°56	1° 3	2°14	3°19	n.a.	T 6
F 7	8 43 11	12°42'58	16°49	17°32	27° 3	18°58	3°55	7°14	13°33	18°22	1°56	1° 4	2°11	3°26	n.a.	F 7
S 8	8 47 8	13°42'45	29°39	18°53	27°49	19°41	3°56	7°21	13°31	18°23	1°56	1° 5	2° 8	3°32	n.a.	S 8
S 9	8 51 5	14°42'30	12♏ 8	20°15	28°33	20°24	3°57	7°29	13°29	18°25	1°R56	1°R 6	2° 5	3°39	n.a.	S 9
M10	8 55 1	15°42'13	24°21	21°39	29°16	21° 7	3°58	7°36	13°27	18°26	1°56	1° 6	2° 2	3°46	n.a.	M10
T 11	8 58 58	16°41'55	6♐22	23° 5	29°59	21°50	3°59	7°43	13°25	18°27	1°56	1° 5	1°59	3°53	n.a.	T 11
W12	9 2 54	17°41'35	18°15	24°32	0♈40	22°33	4° 1	7°51	13°23	18°29	1°56	1° 3	1°55	3°59	n.a.	W12
T 13	9 6 51	18°41'12	0♑ 6	26° 0	1°20	23°16	4° 2	7°58	13°21	18°30	1°56	1° 1	1°52	4° 6	n.a.	T 13
F 14	9 10 47	19°40'48	11°56	27°29	1°59	23°59	4° 4	8° 6	13°19	18°32	1°56	1° 0	1°49	4°13	n.a.	F 14
S 15	9 14 44	20°40'22	23°51	29° 0	2°36	24°42	4° 6	8°13	13°17	18°33	1°55	0°58	1°46	4°19	n.a.	S 15
S 16	9 18 40	21°39'53	5♒51	0♒33	3°13	25°25	4° 9	8°21	13°15	18°34	1°55	0°57	1°43	4°26	n.a.	S 16
M17	9 22 37	22°39'23	18° 0	2° 6	3°48	26° 8	4°11	8°28	13°13	18°35	1°55	0°56	1°39	4°33	n.a.	M17
T 18	9 26 34	23°38'50	0♓19	3°41	4°21	26°50	4°14	8°36	13°11	18°37	1°55	0°D56	1°36	4°39	n.a.	T 18
W19	9 30 30	24°38'16	12°49	5°17	4°53	27°33	4°17	8°43	13°10	18°38	1°54	0°56	1°33	4°46	n.a.	W19
T 20	9 34 27	25°37'39	25°32	6°55	5°24	28°16	4°20	8°51	13° 8	18°39	1°54	0°56	1°30	4°53	n.a.	T 20
F 21	9 38 23	26°36'59	8♈27	8°34	5°53	28°58	4°23	8°58	13° 6	18°40	1°54	0°57	1°27	5° 0	n.a.	F 21
S 22	9 42 20	27°36'18	21°37	10°14	6°21	29°41	4°26	9° 6	13° 5	18°41	1°53	0°57	1°24	5° 6	n.a.	S 22
S 23	9 46 16	28°35'33	5♉ 2	11°55	6°46	0♈24	4°30	9°13	13° 3	18°42	1°53	0°57	1°20	5°13	n.a.	S 23
M24	9 50 13	29°34'47	18°42	13°38	7°10	1° 6	4°33	9°21	13° 1	18°43	1°52	0°58	1°17	5°20	n.a.	M24
T 25	9 54 9	0♓33'58	2♊38	15°23	7°33	1°49	4°37	9°29	13° 0	18°44	1°52	0°58	1°14	5°26	n.a.	T 25
W26	9 58 6	1°33'07	16°48	17° 8	7°53	2°31	4°41	9°36	12°58	18°45	1°51	0°58	1°11	5°33	n.a.	W26
T 27	10 2 2	2°32'13	1♋11	18°55	8°11	3°13	4°46	9°44	12°57	18°46	1°51	0°58	1° 8	5°40	n.a.	T 27
F 28	10 5 59	3♓31'17	15♋44	20♒43	8♈28	3♈56	4♊50	9♓52	12♋56	18♐47	1♏50	0♍58	1♍ 5	5♉46	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s50	18n43	3s21	23s44	0s22	0s50	2n30	6s34	0s29	21n 9	0s 3	11s15	2s11	23n35	0n34	22s19	0n55	0s13	12n52	11n14	10n43	19s16		n.a.
S 2	18 35	16 47	2 11	23 47	0 31	0 23	2 38	6 16	0 28	21 9	0 3	11 12	2 11	23 35	0 34	22 19	0 55	0 13	12 52	11 15	10 44	19 17		n.a.
M 3	18 19	13 45	0 53	23 49	0 40	0n 4	2 46	5 59	0 27	21 10	0 3	11 10	2 11	23 36	0 34	22 19	0 55	0 13	12 52	11 15	10 45	19 17		n.a.
T 4	18 3	9 55	0n26	23 50	0 48	0 31	2 53	5 41	0 26	21 10	0 3	11 7	2 10	23 36	0 34	22 19	0 55	0 12	12 53	11 15	10 46	19 17		n.a.
W 5	17 46	5 37	1 42	23 50	0 56	0 57	3 1	5 23	0 26	21 10	0 2	11 4	2 10	23 36	0 34	22 19	0 55	0 12	12 53	11 15	10 48	19 18		n.a.
T 6	17 30	1 9	2 50	23 48	1 3	1 24	3 9	5 5	0 25	21 10	0 2	11 1	2 10	23 36	0 34	22 19	0 55	0 12	12 53	11 15	10 49	19 18		n.a.
F 7	17 13	3s12	3 47	23 45	1 10	1 49	3 17	4 47	0 24	21 10	0 2	10 59	2 10	23 37	0 34	22 19	0 55	0 12	12 54	11 14	10 50	19 18		n.a.
S 8	16 55	7 17	4 30	23 40	1 17	2 15	3 25	4 30	0 23	21 11	0 2	10 56	2 10	23 37	0 34	22 20	0 55	0 11	12 54	11 14	10 51	19 19		n.a.
S 9	16 38	10 56	4 59	23 34	1 23	2 40	3 33	4 12	0 23	21 11	0 2	10 53	2 10	23 37	0 34	22 20	0 55	0 11	12 55	11 14	10 52	19 19		n.a.
M10	16 20	14 2	5 14	23 27	1 29	3 5	3 41	3 54	0 22	21 11	0 2	10 50	2 10	23 37	0 34	22 20	0 55	0 11	12 55	11 14	10 53	19 19		n.a.
T 11	16 2	16 29	5 15	23 19	1 35	3 30	3 50	3 36	0 21	21 12	0 2	10 47	2 10	23 37	0 34	22 20	0 55	0 10	12 55	11 14	10 54	19 19		n.a.
W12	15 44	18 13	5 2	23 8	1 40	3 54	3 58	3 18	0 20	21 12	0 1	10 45	2 10	23 38	0 34	22 20	0 55	0 10	12 56	11 14	10 56	19 20		n.a.
T 13	15 25	19 8	4 37	22 57	1 45	4 17	4 6	3 0	0 20	21 13	0 1	10 42	2 10	23 38	0 34	22 20	0 55	0 10	12 56	11 15	10 57	19 20		n.a.
F 14	15 6	19 14	3 59	22 44	1 50	4 41	4 14	2 42	0 19	21 13	0 1	10 39	2 10	23 38	0 34	22 20	0 55	0 9	12 56	11 16	10 58	19 20		n.a.
S 15	14 47	18 28	3 11	22 29	1 54	5 3	4 23	2 25	0 18	21 14	0 1	10 36	2 10	23 38	0 34	22 20	0 55	0 9	12 57	11 16	10 59	19 20		n.a.
S 16	14 28	16 53	2 15	22 13	1 58	5 26	4 31	2 7	0 18	21 14	0 1	10 33	2 10	23 38	0 34	22 20	0 55	0 8	12 57	11 17	11 0	19 21		n.a.
M17	14 8	14 30	1 11	21 55	2 1	5 47	4 39	1 49	0 17	21 15	0 1	10 30	2 10	23 38	0 34	22 20	0 55	0 8	12 57	11 17	11 1	19 21		n.a.
T 18	13 49	11 27	0 3	21 35	2 4	6 8	4 47	1 31	0 16	21 15	0 1	10 27	2 10	23 39	0 34	22 21	0 55	0 8	12 58	11 17	11 3	19 21		n.a.
W19	13 29	7 50	1s 6	21 14	2 6	6 29	4 56	1 13	0 15	21 16	0 1	10 24	2 10	23 39	0 34	22 21	0 55	0 7	12 58	11 17	11 4	19 21		n.a.
T 20	13 9	3 49	2 12	20 51	2 8	6 49	5 4	0 55	0 15	21 17	0 0	10 21	2 10	23 39	0 34	22 21	0 55	0 7	12 58	11 17	11 5	19 22		n.a.
F 21	12 48	0n26	3 14	20 27	2 10	7 8	5 12	0 38	0 14	21 17	0 0	10 19	2 10	23 39	0 34	22 21	0 55	0 6	12 59	11 17	11 6	19 22		n.a.
S 22	12 28	4 44	4 6	20 0	2 11	7 26	5 20	0 20	0 13	21 18	0 0	10 16	2 10	23 39	0 34	22 21	0 55	0 6	12 59	11 17	11 7	19 22		n.a.
S 23	12 7	8 53	4 46	19 32	2 12	7 44	5 29	0 2	0 13	21 19	0 0	10 13	2 10	23 39	0 33	22 21	0 55	0 5	12 59	11 17	11 8	19 22		n.a.
M24	11 46	12 38	5 10	19 3	2 12	8 1	5 37	0n16	0 12	21 20	0n 0	10 10	2 10	23 40	0 33	22 21	0 55	0 5	13 0	11 16	11 9	19 23		n.a.
T 25	11 25	15 46	5 17	18 32	2 12	8 17	5 45	0 34	0 11	21 21	0 0	10 7	2 10	23 40	0 33	22 21	0 55	0 4	13 0	11 16	11 11	19 23		n.a.
W26	11 4	18 1	5 5	17 58	2 11	8 33	5 53	0 51	0 10	21 21	0 0	10 4	2 10	23 40	0 33	22 21	0 55	0 4	13 0	11 16	11 12	19 23		n.a.
T 27	10 42	19 10	4 35	17 24	2 9	8 47	6 0	1 9	0 10	21 22	0 0	10 1	2 10	23 40	0 33	22 21	0 55	0 3	13 1	11 16	11 13	19 23		n.a.
F 28	10s21	19n 4	3s46	16s47	2s 8	9n 1	6n 8	1n27	0s 9	21n23	0n 1	9s58	2s10	23n40	0n33	22s21	0n55	0s 3	13n 1	11n16	11n14	19s24		n.a.

Julian Day Number = 1546864.5, Delta T = 04h33m40s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'23, Lahiri = -10°33'23 Julian Calendar 1 Feb. 478 BCE == Greg. Calendar 27 Jan. 478 BCE

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

MARCH 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 9 56	4♓30'18	0♌22	22♒33	8♈42	4♈38	4♊55	9♓59	12°R54	18♐48	1°R49	0♍58	1♍ 1	5♉53	n.a.	S 1
S 2	10 13 52	5°29'17	14°59	24°24	8°54	5°20	4°59	10° 7	12♋53	18°49	1♏49	0°59	0°58	6° 0	n.a.	S 2
M 3	10 17 49	6°28'14	29°29	26°17	9° 4	6° 2	5° 4	10°15	12°52	18°50	1°48	0°R59	0°55	6° 7	n.a.	M 3
T 4	10 21 45	7°27'08	13♍46	28°11	9°12	6°44	5° 9	10°22	12°50	18°51	1°47	0°59	0°52	6°13	n.a.	T 4
W 5	10 25 42	8°26'00	27°46	0♓ 6	9°18	7°26	5°15	10°30	12°49	18°51	1°46	0°58	0°49	6°20	n.a.	W 5
T 6	10 29 38	9°24'51	11♎25	2° 3	9°21	8° 8	5°20	10°38	12°48	18°52	1°46	0°57	0°45	6°27	n.a.	T 6
F 7	10 33 35	10°23'39	24°41	4° 1	9°R22	8°50	5°26	10°45	12°47	18°53	1°45	0°56	0°42	6°33	n.a.	F 7
S 8	10 37 31	11°22'25	7♏35	6° 0	9°20	9°32	5°31	10°53	12°46	18°53	1°44	0°55	0°39	6°40	n.a.	S 8
S 9	10 41 28	12°21'10	20° 9	8° 1	9°16	10°14	5°37	11° 1	12°45	18°54	1°43	0°54	0°36	6°47	n.a.	S 9
M10	10 45 24	13°19'53	2♐26	10° 3	9° 9	10°56	5°43	11° 8	12°44	18°55	1°42	0°53	0°33	6°53	n.a.	M10
T 11	10 49 21	14°18'34	14°29	12° 6	9° 0	11°38	5°49	11°16	12°43	18°55	1°41	0°D52	0°30	7° 0	n.a.	T 11
W12	10 53 18	15°17'13	26°24	14°10	8°49	12°20	5°56	11°24	12°43	18°56	1°40	0°53	0°26	7° 7	n.a.	W12
T 13	10 57 14	16°15'51	8♑15	16°15	8°35	13° 2	6° 2	11°32	12°42	18°56	1°39	0°54	0°23	7°13	n.a.	T 13
F 14	11 1 11	17°14'26	20° 7	18°21	8°19	13°43	6° 9	11°39	12°41	18°57	1°38	0°55	0°20	7°20	n.a.	F 14
S 15	11 5 7	18°13'00	2♒ 4	20°28	8° 0	14°25	6°16	11°47	12°40	18°57	1°37	0°56	0°17	7°27	n.a.	S 15
S 16	11 9 4	19°11'32	14°10	22°35	7°39	15° 7	6°23	11°55	12°40	18°58	1°36	0°58	0°14	7°34	n.a.	S 16
M17	11 13 0	20°10'02	26°28	24°42	7°16	15°48	6°30	12° 2	12°39	18°58	1°35	0°R58	0°10	7°40	n.a.	M17
T 18	11 16 57	21° 8'30	9♓ 0	26°49	6°50	16°30	6°37	12°10	12°39	18°58	1°34	0°58	0° 7	7°47	n.a.	T 18
W19	11 20 53	22° 6'56	21°49	28°55	6°23	17°11	6°44	12°17	12°38	18°59	1°33	0°57	0° 4	7°54	n.a.	W19
T 20	11 24 50	23° 5'20	4♈53	1♈ 1	5°54	17°53	6°52	12°25	12°38	18°59	1°31	0°55	0° 1	8° 0	n.a.	T 20
F 21	11 28 47	24° 3'43	18°13	3° 6	5°22	18°34	6°59	12°33	12°38	18°59	1°30	0°52	29♌58	8° 7	n.a.	F 21
S 22	11 32 43	25° 2'03	1♉47	5°10	4°50	19°15	7° 7	12°40	12°37	18°59	1°29	0°48	29°55	8°14	n.a.	S 22
S 23	11 36 40	26° 0'21	15°33	7°12	4°16	19°57	7°15	12°48	12°37	18°59	1°28	0°45	29°51	8°20	n.a.	S 23
M24	11 40 36	26°58'37	29°29	9°12	3°40	20°38	7°23	12°55	12°37	19° 0	1°27	0°42	29°48	8°27	n.a.	M24
T 25	11 44 33	27°56'51	13♊32	11° 9	3° 4	21°19	7°31	13° 3	12°37	19° 0	1°25	0°40	29°45	8°34	n.a.	T 25
W26	11 48 29	28°55'02	27°41	13° 5	2°26	22° 1	7°39	13°10	12°37	19° 0	1°24	0°D39	29°42	8°41	n.a.	W26
T 27	11 52 26	29°53'12	11♋54	14°57	1°49	22°42	7°47	13°18	12°D37	19° 0	1°23	0°40	29°39	8°47	n.a.	T 27
F 28	11 56 22	0♈51'19	26° 7	16°47	1°11	23°23	7°56	13°25	12°37	19°R 0	1°21	0°41	29°36	8°54	n.a.	F 28
S 29	12 0 19	1°49'25	10♌20	18°33	0°32	24° 4	8° 5	13°33	12°37	19° 0	1°20	0°42	29°32	9° 1	n.a.	S 29
S 30	12 4 15	2°47'28	24°29	20°16	29♓55	24°45	8°13	13°40	12°37	19° 0	1°19	0°R43	29°29	9° 7	n.a.	S 30
M31	12 8 12	3♈45'29	8♍32	21♈55	29♓17	25♈26	8♊22	13♓48	12♋37	19♐ 0	1♏17	0♍43	29♌26	9♉14	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s59	17n42	2s42	16s 9	2s 5	9n14	6n15	1n44	0s 8	21n24	0n 1	9s55	2s10	23n40	0n33	22s21	0n55	0s 2	13n 1	11n16	11n15	19s24		n.a.
S 2	9 37	15 9	1 28	15 29	2 3	9 25	6 23	2 2	0 8	21 25	0 1	9 52	2 10	23 40	0 33	22 21	0 55	0 2	13 1	11 16	11 16	19 24		n.a.
M 3	9 15	11 40	0 8	14 47	1 59	9 36	6 30	2 19	0 7	21 26	0 1	9 49	2 10	23 40	0 33	22 21	0 55	0 1	13 2	11 16	11 17	19 24		n.a.
T 4	8 53	7 33	1n10	14 4	1 55	9 45	6 37	2 37	0 6	21 27	0 1	9 46	2 10	23 41	0 33	22 21	0 55	0 1	13 2	11 16	11 19	19 24		n.a.
W 5	8 31	3 5	2 23	13 18	1 51	9 53	6 43	2 54	0 6	21 28	0 1	9 43	2 10	23 41	0 33	22 22	0 55	0 0	13 2	11 16	11 20	19 25		n.a.
T 6	8 8	1s25	3 26	12 32	1 46	10 0	6 50	3 12	0 5	21 30	0 1	9 40	2 10	23 41	0 33	22 22	0 55	0n 0	13 3	11 17	11 21	19 25		n.a.
F 7	7 46	5 43	4 16	11 43	1 40	10 6	6 56	3 29	0 4	21 31	0 1	9 38	2 10	23 41	0 33	22 22	0 55	0 1	13 3	11 17	11 22	19 25		n.a.
S 8	7 23	9 38	4 51	10 53	1 34	10 11	7 1	3 46	0 4	21 32	0 2	9 35	2 10	23 41	0 33	22 22	0 55	0 1	13 3	11 17	11 23	19 25		n.a.
S 9	7 1	13 1	5 11	10 1	1 28	10 14	7 7	4 4	0 3	21 33	0 2	9 32	2 10	23 41	0 33	22 22	0 55	0 2	13 3	11 18	11 24	19 25		n.a.
M10	6 38	15 45	5 17	9 8	1 21	10 16	7 12	4 21	0 2	21 34	0 2	9 29	2 10	23 41	0 33	22 22	0 55	0 2	13 4	11 18	11 25	19 26		n.a.
T 11	6 15	17 44	5 8	8 14	1 13	10 16	7 16	4 38	0 2	21 35	0 2	9 26	2 10	23 41	0 33	22 22	0 55	0 3	13 4	11 18	11 27	19 26		n.a.
W12	5 52	18 56	4 46	7 18	1 5	10 15	7 20	4 55	0 1	21 37	0 2	9 23	2 10	23 41	0 33	22 22	0 55	0 3	13 4	11 18	11 28	19 26		n.a.
T 13	5 29	19 18	4 12	6 21	0 56	10 13	7 23	5 12	0 0	21 38	0 2	9 20	2 10	23 41	0 33	22 22	0 55	0 4	13 4	11 18	11 29	19 26		n.a.
F 14	5 6	18 48	3 27	5 23	0 47	10 9	7 26	5 29	0n 0	21 39	0 2	9 17	2 10	23 41	0 33	22 22	0 55	0 5	13 5	11 17	11 30	19 26		n.a.
S 15	4 43	17 28	2 33	4 24	0 37	10 3	7 28	5 46	0 1	21 40	0 2	9 14	2 10	23 41	0 33	22 22	0 55	0 5	13 5	11 17	11 31	19 26		n.a.
S 16	4 20	15 20	1 32	3 24	0 27	9 56	7 30	6 3	0 2	21 42	0 3	9 11	2 10	23 41	0 33	22 22	0 55	0 6	13 5	11 16	11 32	19 27		n.a.
M17	3 57	12 28	0 25	2 24	0 17	9 48	7 31	6 20	0 2	21 43	0 3	9 8	2 10	23 41	0 33	22 22	0 56	0 6	13 5	11 16	11 33	19 27		n.a.
T 18	3 33	8 59	0s44	1 23	0 6	9 38	7 31	6 37	0 3	21 44	0 3	9 5	2 10	23 41	0 33	22 22	0 56	0 7	13 6	11 16	11 34	19 27		n.a.
W19	3 10	5 0	1 52	0 22	0n 4	9 26	7 31	6 53	0 4	21 46	0 3	9 2	2 10	23 41	0 33	22 22	0 56	0 8	13 6	11 17	11 36	19 27		n.a.
T 20	2 47	0 43	2 56	0n39	0 15	9 13	7 29	7 10	0 4	21 47	0 3	8 59	2 10	23 41	0 33	22 22	0 56	0 8	13 6	11 17	11 37	19 27		n.a.
F 21	2 23	3n40	3 51	1 39	0 26	8 59	7 27	7 27	0 5	21 49	0 3	8 57	2 10	23 41	0 33	22 22	0 56	0 9	13 6	11 19	11 38	19 27		n.a.
S 22	2 0	7 57	4 35	2 39	0 38	8 43	7 24	7 43	0 5	21 50	0 3	8 54	2 11	23 41	0 33	22 22	0 56	0 9	13 6	11 20	11 39	19 28		n.a.
S 23	1 36	11 53	5 3	3 38	0 49	8 26	7 20	7 59	0 6	21 51	0 3	8 51	2 11	23 41	0 33	22 22	0 56	0 10	13 7	11 21	11 40	19 28		n.a.
M24	1 13	15 12	5 14	4 36	1 0	8 7	7 16	8 16	0 7	21 53	0 3	8 48	2 11	23 41	0 33	22 22	0 56	0 10	13 7	11 22	11 41	19 28		n.a.
T 25	0 50	17 40	5 6	5 33	1 10	7 48	7 11	8 32	0 7	21 54	0 4	8 45	2 11	23 41	0 33	22 22	0 56	0 11	13 7	11 23	11 42	19 28		n.a.
W26	0 26	19 4	4 40	6 28	1 21	7 27	7 4	8 48	0 8	21 56	0 4	8 42	2 11	23 41	0 33	22 22	0 56	0 12	13 7	11 23	11 44	19 28		n.a.
T 27	0 3	19 17	3 56	7 22	1 31	7 6	6 57	9 4	0 9	21 57	0 4	8 39	2 11	23 41	0 33	22 22	0 56	0 12	13 7	11 23	11 45	19 28		n.a.
F 28	0n21	18 17	2 58	8 13	1 41	6 43	6 50	9 20	0 9	21 59	0 4	8 37	2 11	23 41	0 33	22 22	0 56	0 13	13 7	11 22	11 46	19 28		n.a.
S 29	0 44	16 8	1 49	9 3	1 50	6 20	6 41	9 36	0 10	22 0	0 4	8 34	2 11	23 41	0 33	22 22	0 56	0 13	13 8	11 22	11 47	19 28		n.a.
S 30	1 7	13 0	0 34	9 50	1 58	5 56	6 32	9 52	0 10	22 2	0 4	8 31	2 11	23 41	0 33	22 22	0 56	0 14	13 8	11 22	11 48	19 29		n.a.
M31	1n31	9n 8	0n43	10n36	2n 6	5n32	6n22	10n 8	0n11	22n 3	0n 4	8s28	2s11	23n41	0n33	22s22	0n56	0n15	13n 8	11n22	11n49	19s29		n.a.

Julian Day Number = 1546892.5, Delta T = 04h33m39s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'19, Lahiri = -10°33'19 Julian Calendar 1 March 478 BCE == Greg. Calendar 24 Feb. 478 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

APRIL 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 12 9	4♈43'28	22♍26	23♈31	28°R40	26♈ 7	8♊31	13♓55	12♋37	19°R 0	1°R16	0°R42	29♌23	9♑21	n.a.	T 1
W 2	12 16 5	5°41'26	6♎ 6	25° 2	28♓ 4	26°48	8°40	14° 2	12°38	18♐59	1♏14	0♍38	29°20	9°27	n.a.	W 2
T 3	12 20 2	6°39'22	19°32	26°30	27°30	27°29	8°49	14°10	12°38	18°59	1°13	0°33	29°16	9°34	n.a.	T 3
F 4	12 23 58	7°37'16	2♏40	27°54	26°56	28°10	8°59	14°17	12°39	18°59	1°11	0°27	29°13	9°41	n.a.	F 4
S 5	12 27 55	8°35'08	15°30	29°14	26°25	28°50	9° 8	14°24	12°39	18°59	1°10	0°21	29°10	9°47	n.a.	S 5
S 6	12 31 51	9°33'00	28° 2	0♉29	25°55	29°31	9°17	14°32	12°39	18°58	1° 8	0°15	29° 7	9°54	n.a.	S 6
M 7	12 35 48	10°30'49	10♐19	1°41	25°27	0♉12	9°27	14°39	12°40	18°58	1° 7	0°10	29° 4	10° 1	n.a.	M 7
T 8	12 39 44	11°28'38	22°23	2°48	25° 0	0°53	9°37	14°46	12°41	18°58	1° 5	0° 6	29° 1	10° 7	n.a.	T 8
W 9	12 43 41	12°26'25	4♑18	3°51	24°36	1°33	9°46	14°53	12°41	18°57	1° 4	0° 4	28°57	10°14	n.a.	W 9
T 10	12 47 38	13°24'11	16° 9	4°49	24°15	2°14	9°56	15° 0	12°42	18°57	1° 2	0°D 4	28°54	10°21	n.a.	T 10
F 11	12 51 34	14°21'55	28° 2	5°43	23°55	2°55	10° 6	15° 7	12°43	18°57	1° 1	0° 5	28°51	10°28	n.a.	F 11
S 12	12 55 31	15°19'39	10♒ 0	6°32	23°38	3°35	10°16	15°14	12°44	18°56	0°59	0° 6	28°48	10°34	n.a.	S 12
S 13	12 59 27	16°17'21	22° 9	7°17	23°23	4°16	10°27	15°21	12°45	18°56	0°58	0° 7	28°45	10°41	n.a.	S 13
M14	13 3 24	17°15'02	4♓33	7°57	23°11	4°56	10°37	15°28	12°46	18°55	0°56	0°R 7	28°41	10°48	n.a.	M14
T 15	13 7 20	18°12'41	17°15	8°32	23° 1	5°37	10°47	15°35	12°47	18°54	0°55	0° 6	28°38	10°54	n.a.	T 15
W16	13 11 17	19°10'20	0♈19	9° 3	22°54	6°17	10°58	15°42	12°48	18°54	0°53	0° 2	28°35	11° 1	n.a.	W16
T 17	13 15 13	20° 7'57	13°43	9°28	22°49	6°57	11° 8	15°49	12°49	18°53	0°51	29♌57	28°32	11° 8	n.a.	T 17
F 18	13 19 10	21° 5'32	27°28	9°49	22°46	7°38	11°19	15°56	12°50	18°53	0°50	29°50	28°29	11°14	n.a.	F 18
S 19	13 23 6	22° 3'07	11♉29	10° 6	22°D46	8°18	11°30	16° 3	12°51	18°52	0°48	29°41	28°26	11°21	n.a.	S 19
S 20	13 27 3	23° 0'40	25°42	10°17	22°48	8°58	11°40	16° 9	12°52	18°51	0°47	29°33	28°22	11°28	n.a.	S 20
M21	13 31 0	23°58'11	10♊ 2	10°23	22°52	9°38	11°51	16°16	12°54	18°51	0°45	29°26	28°19	11°34	n.a.	M21
T 22	13 34 56	24°55'42	24°23	10°R25	22°59	10°19	12° 2	16°23	12°55	18°50	0°43	29°20	28°16	11°41	n.a.	T 22
W23	13 38 53	25°53'11	8♋42	10°22	23° 8	10°59	12°13	16°29	12°56	18°49	0°42	29°17	28°13	11°48	n.a.	W23
T 24	13 42 49	26°50'38	22°55	10°15	23°18	11°39	12°24	16°36	12°58	18°48	0°40	29°D16	28°10	11°55	n.a.	T 24
F 25	13 46 46	27°48'04	7♌ 1	10° 3	23°31	12°19	12°36	16°42	12°59	18°47	0°38	29°16	28° 7	12° 1	n.a.	F 25
S 26	13 50 42	28°45'28	20°57	9°47	23°46	12°59	12°47	16°49	13° 1	18°46	0°37	29°16	28° 3	12° 8	n.a.	S 26
S 27	13 54 39	29°42'51	4♍45	9°28	24° 3	13°39	12°58	16°55	13° 2	18°46	0°35	29°R17	28° 0	12°15	n.a.	S 27
M28	13 58 35	0♉40'13	18°23	9° 5	24°22	14°19	13° 9	17° 1	13° 4	18°45	0°33	29°15	27°57	12°21	n.a.	M28
T 29	14 2 32	1°37'33	1♎52	8°39	24°42	14°59	13°21	17° 8	13° 6	18°44	0°32	29°11	27°54	12°28	n.a.	T 29
W30	14 6 29	2♉34'52	15♎ 9	8♉10	25♓ 4	15♉39	13♊32	17♓14	13♋ 7	18♐43	0♏30	29♌ 5	27♌51	12♑35	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n54	4n49	1n56	11n19	2n14	5n 8	6n11	10n24	0n12	22n 5	0n 4	8s25	2s11	23n41	0n33	22s22	0n56	0n15	13n 8	11n22	11n50	19s29		n.a.
W 2	2 17	0 19	3 1	11 59	2 20	4 43	6 0	10 39	0 12	22 6	0 4	8 23	2 11	23 41	0 33	22 22	0 56	0 16	13 8	11 23	11 51	19 29		n.a.
T 3	2 41	4s 7	3 55	12 37	2 26	4 18	5 48	10 55	0 13	22 8	0 4	8 20	2 12	23 41	0 33	22 22	0 56	0 16	13 8	11 25	11 53	19 29		n.a.
F 4	3 4	8 15	4 35	13 13	2 31	3 54	5 36	11 10	0 13	22 9	0 5	8 17	2 12	23 41	0 33	22 22	0 56	0 17	13 8	11 27	11 54	19 29		n.a.
S 5	3 27	11 55	5 0	13 46	2 36	3 29	5 23	11 25	0 14	22 11	0 5	8 14	2 12	23 41	0 33	22 22	0 56	0 18	13 8	11 30	11 55	19 29		n.a.
S 6	3 50	14 57	5 10	14 16	2 39	3 5	5 10	11 40	0 15	22 13	0 5	8 12	2 12	23 41	0 33	22 21	0 56	0 18	13 9	11 32	11 56	19 29		n.a.
M 7	4 13	17 15	5 5	14 44	2 42	2 42	4 57	11 56	0 15	22 14	0 5	8 9	2 12	23 41	0 33	22 21	0 56	0 19	13 9	11 34	11 57	19 29		n.a.
T 8	4 36	18 45	4 47	15 9	2 43	2 19	4 44	12 10	0 16	22 16	0 5	8 6	2 12	23 41	0 33	22 21	0 56	0 19	13 9	11 35	11 58	19 29		n.a.
W 9	4 59	19 24	4 17	15 32	2 44	1 57	4 30	12 25	0 16	22 17	0 5	8 3	2 12	23 41	0 33	22 21	0 56	0 20	13 9	11 36	11 59	19 29		n.a.
T 10	5 21	19 11	3 36	15 52	2 44	1 36	4 16	12 40	0 17	22 19	0 5	8 1	2 12	23 41	0 33	22 21	0 56	0 20	13 9	11 36	12 0	19 30		n.a.
F 11	5 44	18 8	2 45	16 9	2 43	1 15	4 2	12 55	0 17	22 21	0 5	7 58	2 13	23 40	0 33	22 21	0 56	0 21	13 9	11 35	12 1	19 30		n.a.
S 12	6 7	16 15	1 47	16 24	2 41	0 56	3 48	13 9	0 18	22 22	0 5	7 55	2 13	23 40	0 33	22 21	0 56	0 22	13 9	11 35	12 3	19 30		n.a.
S 13	6 29	13 38	0 43	16 36	2 37	0 37	3 34	13 24	0 19	22 24	0 5	7 53	2 13	23 40	0 32	22 21	0 56	0 22	13 9	11 34	12 4	19 30		n.a.
M14	6 52	10 20	0s24	16 45	2 33	0 19	3 20	13 38	0 19	22 25	0 6	7 50	2 13	23 40	0 32	22 21	0 56	0 23	13 9	11 34	12 5	19 30		n.a.
T 15	7 14	6 30	1 31	16 52	2 28	0 3	3 7	13 52	0 20	22 27	0 6	7 48	2 13	23 40	0 32	22 21	0 56	0 23	13 9	11 35	12 6	19 30		n.a.
W16	7 36	2 15	2 35	16 56	2 22	0s13	2 53	14 6	0 20	22 28	0 6	7 45	2 13	23 40	0 32	22 21	0 56	0 24	13 9	11 36	12 7	19 30		n.a.
T 17	7 58	2n13	3 33	16 58	2 15	0 27	2 40	14 20	0 21	22 30	0 6	7 42	2 13	23 40	0 32	22 21	0 56	0 24	13 9	11 38	12 8	19 30		n.a.
F 18	8 20	6 41	4 19	16 56	2 6	0 40	2 26	14 34	0 21	22 32	0 6	7 40	2 14	23 40	0 32	22 21	0 56	0 25	13 9	11 41	12 9	19 30		n.a.
S 19	8 42	10 52	4 51	16 53	1 57	0 52	2 13	14 48	0 22	22 33	0 6	7 37	2 14	23 39	0 32	22 21	0 56	0 26	13 9	11 44	12 10	19 30		n.a.
S 20	9 3	14 29	5 5	16 47	1 47	1 3	2 1	15 2	0 23	22 35	0 6	7 35	2 14	23 39	0 32	22 21	0 56	0 26	13 9	11 47	12 12	19 30		n.a.
M21	9 25	17 17	5 1	16 38	1 35	1 13	1 48	15 15	0 23	22 36	0 6	7 32	2 14	23 39	0 32	22 21	0 56	0 27	13 9	11 49	12 13	19 30		n.a.
T 22	9 46	19 1	4 38	16 27	1 23	1 21	1 36	15 29	0 24	22 38	0 6	7 30	2 14	23 39	0 32	22 20	0 56	0 27	13 9	11 51	12 14	19 30		n.a.
W23	10 8	19 31	3 57	16 14	1 10	1 29	1 24	15 42	0 24	22 40	0 6	7 28	2 14	23 39	0 32	22 20	0 56	0 28	13 9	11 52	12 15	19 30		n.a.
T 24	10 29	18 47	3 2	15 58	0 56	1 35	1 12	15 55	0 25	22 41	0 7	7 25	2 15	23 39	0 32	22 20	0 56	0 28	13 9	11 53	12 16	19 30		n.a.
F 25	10 50	16 53	1 56	15 40	0 41	1 41	1 1	16 8	0 25	22 43	0 7	7 23	2 15	23 39	0 32	22 20	0 56	0 29	13 9	11 53	12 17	19 30		n.a.
S 26	11 10	14 0	0 44	15 20	0 26	1 45	0 50	16 21	0 26	22 44	0 7	7 20	2 15	23 38	0 32	22 20	0 56	0 29	13 9	11 53	12 18	19 30		n.a.
S 27	11 31	10 21	0n29	14 59	0 9	1 48	0 39	16 34	0 26	22 46	0 7	7 18	2 15	23 38	0 32	22 20	0 56	0 30	13 9	11 52	12 19	19 30		n.a.
M28	11 51	6 11	1 40	14 36	0s 7	1 50	0 28	16 46	0 27	22 47	0 7	7 16	2 15	23 38	0 32	22 20	0 56	0 30	13 9	11 53	12 20	19 30		n.a.
T 29	12 12	1 46	2 45	14 11	0 24	1 51	0 18	16 59	0 27	22 49	0 7	7 13	2 15	23 38	0 32	22 20	0 56	0 31	13 9	11 54	12 22	19 30		n.a.
W30	12n32	2s41	3n39	13n46	0s41	1s51	0n 8	17n11	0n28	22n50	0n 7	7s11	2s16	23n38	0n32	22s20	0n56	0n31	13n 9	11n57	12n23	19s30		n.a.

Julian Day Number = 1546923.5, Delta T = 04h33m37s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'15, Lahiri = -10°33'14 Julian Calendar 1 Apr. 478 BCE == Greg. Calendar 27 March 478 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

MAY 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 10 25	3♉32'11	28♎14	7°R40	25♓28	16♉19	13♊44	17♓20	13♋ 9	18°R42	0°R28	28°R56	27♌47	12♑41	n.a.	T 1
F 2	14 14 22	4°29'28	11♏ 7	7♉ 8	25°54	16°59	13°56	17°26	13°11	18♐41	0♏27	28♌45	27°44	12°48	n.a.	F 2
S 3	14 18 18	5°26'44	23°45	6°34	26°21	17°39	14° 7	17°32	13°13	18°40	0°25	28°34	27°41	12°55	n.a.	S 3
S 4	14 22 15	6°24'00	6♐10	6° 1	26°50	18°18	14°19	17°38	13°15	18°39	0°24	28°22	27°38	13° 1	n.a.	S 4
M 5	14 26 11	7°21'15	18°22	5°27	27°20	18°58	14°31	17°44	13°17	18°37	0°22	28°12	27°35	13° 8	n.a.	M 5
T 6	14 30 8	8°18'30	0♑23	4°54	27°52	19°38	14°43	17°50	13°19	18°36	0°20	28° 4	27°32	13°15	n.a.	T 6
W 7	14 34 4	9°15'43	12°17	4°23	28°25	20°18	14°55	17°56	13°21	18°35	0°19	27°59	27°28	13°21	n.a.	W 7
T 8	14 38 1	10°12'57	24° 7	3°53	28°59	20°57	15° 7	18° 1	13°23	18°34	0°17	27°56	27°25	13°28	n.a.	T 8
F 9	14 41 58	11°10'10	5♒58	3°26	29°35	21°37	15°19	18° 7	13°25	18°33	0°15	27°55	27°22	13°35	n.a.	F 9
S 10	14 45 54	12° 7'22	17°55	3° 1	0♈12	22°17	15°31	18°13	13°27	18°32	0°14	27°D55	27°19	13°41	n.a.	S 10
S 11	14 49 51	13° 4'34	0♓ 4	2°40	0°50	22°56	15°43	18°18	13°29	18°30	0°12	27°R55	27°16	13°48	n.a.	S 11
M12	14 53 47	14° 1'46	12°29	2°22	1°29	23°36	15°56	18°24	13°32	18°29	0°11	27°54	27°13	13°55	n.a.	M12
T 13	14 57 44	14°58'57	25°16	2° 8	2° 9	24°15	16° 8	18°29	13°34	18°28	0° 9	27°51	27° 9	14° 1	n.a.	T 13
W14	15 1 40	15°56'08	8♈28	1°58	2°50	24°55	16°20	18°34	13°36	18°27	0° 7	27°46	27° 6	14° 8	n.a.	W14
T 15	15 5 37	16°53'18	22° 5	1°52	3°32	25°34	16°33	18°40	13°39	18°25	0° 6	27°39	27° 3	14°15	n.a.	T 15
F 16	15 9 33	17°50'29	6♉ 7	1°D51	4°15	26°14	16°45	18°45	13°41	18°24	0° 4	27°29	27° 0	14°22	n.a.	F 16
S 17	15 13 30	18°47'39	20°31	1°54	5° 0	26°53	16°58	18°50	13°44	18°23	0° 3	27°18	26°57	14°28	n.a.	S 17
S 18	15 17 27	19°44'48	5♊ 9	2° 2	5°44	27°33	17°10	18°55	13°46	18°21	0° 1	27° 7	26°53	14°35	n.a.	S 18
M19	15 21 23	20°41'57	19°54	2°14	6°30	28°12	17°23	19° 0	13°49	18°20	29♎59	26°57	26°50	14°42	n.a.	M19
T 20	15 25 20	21°39'06	4♋39	2°31	7°17	28°51	17°35	19° 5	13°51	18°18	29°58	26°49	26°47	14°48	n.a.	T 20
W21	15 29 16	22°36'14	19°16	2°53	8° 4	29°31	17°48	19°10	13°54	18°17	29°57	26°44	26°44	14°55	n.a.	W21
T 22	15 33 13	23°33'22	3♌40	3°20	8°52	0♊10	18° 1	19°14	13°57	18°16	29°55	26°41	26°41	15° 2	n.a.	T 22
F 23	15 37 9	24°30'29	17°48	3°51	9°41	0°49	18°13	19°19	13°59	18°14	29°54	26°41	26°38	15° 8	n.a.	F 23
S 24	15 41 6	25°27'35	1♍41	4°26	10°31	1°28	18°26	19°24	14° 2	18°13	29°52	26°41	26°34	15°15	n.a.	S 24
S 25	15 45 3	26°24'41	15°17	5° 6	11°21	2° 8	18°39	19°28	14° 5	18°11	29°51	26°40	26°31	15°22	n.a.	S 25
M26	15 48 59	27°21'47	28°39	5°50	12°12	2°47	18°52	19°33	14° 8	18°10	29°50	26°38	26°28	15°28	n.a.	M26
T 27	15 52 56	28°18'52	11♎48	6°39	13° 3	3°26	19° 5	19°37	14°10	18° 8	29°48	26°33	26°25	15°35	n.a.	T 27
W28	15 56 52	29°15'56	24°45	7°32	13°55	4° 5	19°17	19°41	14°13	18° 7	29°47	26°25	26°22	15°42	n.a.	W28
T 29	16 0 49	0♊13'01	7♏30	8°29	14°48	4°44	19°30	19°45	14°16	18° 5	29°45	26°15	26°18	15°48	n.a.	T 29
F 30	16 4 45	1°10'06	20° 5	9°31	15°41	5°23	19°43	19°49	14°19	18° 4	29°44	26° 3	26°15	15°55	n.a.	F 30
S 31	16 8 42	2♊ 7'10	2♐29	10♉36	16♈35	6♊ 2	19♊56	19♓53	14♋22	18♐ 2	29♎43	25♌50	26♌12	16♑ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	12n51	6s56	4n21	13n20	0s58	1s51	0s 1	17n23	0n28	22n52	0n 7	7s 9	2s16	23n37	0n32	22s20	0n56	0n32	13n 8	12n 0	12n24	19s30			n.a.
F 2	13 11	10 47	4 49	12 53	1 15	1 49	0 11	17 35	0 29	22 53	0 7	7 7	2 16	23 37	0 32	22 20	0 56	0 32	13 8	12 4	12 25	19 30			n.a.
S 3	13 30	14 5	5 1	12 26	1 32	1 46	0 20	17 47	0 29	22 55	0 7	7 4	2 16	23 37	0 32	22 19	0 56	0 32	13 8	12 8	12 26	19 30			n.a.
S 4	13 50	16 42	5 0	12 0	1 49	1 43	0 28	17 59	0 30	22 56	0 8	7 2	2 16	23 37	0 32	22 19	0 56	0 33	13 8	12 12	12 27	19 30			n.a.
M 5	14 9	18 31	4 44	11 33	2 4	1 38	0 37	18 10	0 30	22 58	0 8	7 0	2 17	23 37	0 32	22 19	0 56	0 33	13 8	12 15	12 28	19 30			n.a.
T 6	14 27	19 29	4 16	11 8	2 20	1 33	0 45	18 22	0 31	22 59	0 8	6 58	2 17	23 36	0 32	22 19	0 56	0 34	13 8	12 18	12 29	19 30			n.a.
W 7	14 46	19 34	3 38	10 44	2 34	1 27	0 53	18 33	0 31	23 1	0 8	6 56	2 17	23 36	0 32	22 19	0 56	0 34	13 8	12 20	12 30	19 30			n.a.
T 8	15 4	18 47	2 49	10 21	2 47	1 20	1 0	18 44	0 32	23 2	0 8	6 54	2 17	23 36	0 32	22 19	0 56	0 35	13 7	12 21	12 32	19 30			n.a.
F 9	15 22	17 11	1 54	10 1	3 0	1 12	1 8	18 55	0 32	23 4	0 8	6 52	2 17	23 36	0 32	22 19	0 56	0 35	13 7	12 21	12 33	19 30			n.a.
S 10	15 40	14 49	0 53	9 42	3 11	1 4	1 15	19 6	0 33	23 5	0 8	6 50	2 18	23 35	0 32	22 19	0 56	0 35	13 7	12 21	12 34	19 30			n.a.
S 11	15 58	11 46	0s11	9 25	3 21	0 54	1 21	19 17	0 33	23 7	0 8	6 48	2 18	23 35	0 32	22 19	0 56	0 36	13 7	12 21	12 35	19 30			n.a.
M12	16 15	8 8	1 17	9 10	3 30	0 45	1 28	19 28	0 34	23 8	0 8	6 46	2 18	23 35	0 32	22 18	0 56	0 36	13 7	12 22	12 36	19 30			n.a.
T 13	16 32	4 2	2 20	8 58	3 37	0 34	1 34	19 38	0 34	23 9	0 8	6 44	2 18	23 35	0 32	22 18	0 56	0 36	13 7	12 22	12 37	19 30			n.a.
W14	16 49	0n23	3 17	8 49	3 44	0 23	1 40	19 48	0 35	23 11	0 8	6 42	2 18	23 34	0 32	22 18	0 56	0 37	13 6	12 24	12 38	19 30			n.a.
T 15	17 6	4 55	4 6	8 42	3 49	0 11	1 45	19 58	0 35	23 12	0 9	6 40	2 19	23 34	0 32	22 18	0 56	0 37	13 6	12 27	12 39	19 30			n.a.
F 16	17 22	9 20	4 40	8 38	3 53	0n 1	1 51	20 8	0 36	23 13	0 9	6 38	2 19	23 34	0 32	22 18	0 56	0 37	13 6	12 30	12 40	19 30			n.a.
S 17	17 38	13 19	4 59	8 36	3 56	0 14	1 56	20 18	0 36	23 15	0 9	6 36	2 19	23 34	0 32	22 18	0 56	0 38	13 6	12 34	12 41	19 30			n.a.
S 18	17 54	16 33	4 58	8 38	3 57	0 28	2 1	20 28	0 37	23 16	0 9	6 34	2 19	23 33	0 32	22 18	0 56	0 38	13 6	12 38	12 43	19 30			n.a.
M19	18 10	18 45	4 37	8 42	3 57	0 42	2 6	20 37	0 37	23 17	0 9	6 33	2 20	23 33	0 32	22 18	0 56	0 38	13 5	12 41	12 44	19 30			n.a.
T 20	18 25	19 42	3 58	8 48	3 57	0 56	2 10	20 47	0 38	23 19	0 9	6 31	2 20	23 33	0 32	22 17	0 56	0 39	13 5	12 44	12 45	19 29			n.a.
W21	18 40	19 19	3 4	8 57	3 55	1 11	2 14	20 56	0 38	23 20	0 9	6 29	2 20	23 32	0 32	22 17	0 56	0 39	13 5	12 46	12 46	19 29			n.a.
T 22	18 54	17 40	1 59	9 9	3 52	1 27	2 18	21 5	0 39	23 21	0 9	6 28	2 20	23 32	0 32	22 17	0 56	0 39	13 5	12 47	12 47	19 29			n.a.
F 23	19 9	14 57	0 47	9 23	3 49	1 43	2 22	21 13	0 39	23 23	0 9	6 26	2 21	23 32	0 32	22 17	0 56	0 39	13 4	12 47	12 48	19 29			n.a.
S 24	19 23	11 26	0n26	9 39	3 44	1 59	2 26	21 22	0 40	23 24	0 9	6 24	2 21	23 32	0 32	22 17	0 56	0 40	13 4	12 47	12 49	19 29			n.a.
S 25	19 36	7 21	1 37	9 58	3 39	2 16	2 29	21 31	0 40	23 25	0 9	6 23	2 21	23 31	0 32	22 17	0 56	0 40	13 4	12 47	12 50	19 29			n.a.
M26	19 50	2 59	2 40	10 18	3 32	2 33	2 32	21 39	0 40	23 26	0 10	6 21	2 21	23 31	0 32	22 17	0 56	0 40	13 3	12 48	12 51	19 29			n.a.
T 27	20 3	1s27	3 34	10 41	3 25	2 50	2 35	21 47	0 41	23 27	0 10	6 20	2 22	23 31	0 32	22 17	0 56	0 40	13 3	12 50	12 52	19 29			n.a.
W28	20 15	5 44	4 16	11 6	3 18	3 8	2 38	21 55	0 41	23 28	0 10	6 18	2 22	23 30	0 32	22 16	0 56	0 40	13 3	12 52	12 54	19 29			n.a.
T 29	20 28	9 43	4 45	11 32	3 9	3 26	2 41	22 3	0 42	23 30	0 10	6 17	2 22	23 30	0 32	22 16	0 56	0 41	13 3	12 56	12 55	19 29			n.a.
F 30	20 40	13 12	4 59	12 0	3 0	3 45	2 43	22 10	0 42	23 31	0 10	6 15	2 22	23 30	0 32	22 16	0 56	0 41	13 2	13 0	12 56	19 29			n.a.
S 31	20n51	16s 3	4n58	12n30	2s51	4n 4	2s46	22n18	0n43	23n32	0n10	6s14	2s23	23n29	0n32	22s16	0n56	0n41	13n 2	13n 4	12n57	19s28			n.a.

Julian Day Number = 1546953.5, Delta T = 04h33m36s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'11, Lahiri = -10°33'10 Julian Calendar 1 May 478 BCE == Greg. Calendar 26 Apr. 478 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

JUNE 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 12 38	3♊ 4'15	14♐42	11♉46	17♈30	6♊41	20♊ 9	19♓57	14♋25	18°R 1	29°R41	25°R37	26♌ 9	16♑ 8	n.a.	S 1
M 2	16 16 35	4° 1'20	26°46	12°59	18°24	7°20	20°22	20° 1	14°28	17♐59	29♎40	25♌25	26° 6	16°15	n.a.	M 2
T 3	16 20 32	4°58'25	8♑43	14°17	19°20	7°59	20°35	20° 5	14°31	17°58	29°39	25°16	26° 3	16°22	n.a.	T 3
W 4	16 24 28	5°55'30	20°33	15°38	20°16	8°38	20°48	20° 9	14°34	17°56	29°38	25° 9	25°59	16°28	n.a.	W 4
T 5	16 28 25	6°52'36	2♒22	17° 3	21°12	9°17	21° 2	20°12	14°37	17°54	29°36	25° 4	25°56	16°35	n.a.	T 5
F 6	16 32 21	7°49'42	14°11	18°33	22° 9	9°56	21°15	20°16	14°40	17°53	29°35	25° 2	25°53	16°42	n.a.	F 6
S 7	16 36 18	8°46'48	26° 7	20° 5	23° 6	10°35	21°28	20°19	14°44	17°51	29°34	25°D 2	25°50	16°48	n.a.	S 7
S 8	16 40 14	9°43'55	8♓15	21°42	24° 4	11°14	21°41	20°22	14°47	17°50	29°33	25°R 2	25°47	16°55	n.a.	S 8
M 9	16 44 11	10°41'03	20°39	23°22	25° 2	11°53	21°54	20°26	14°50	17°48	29°32	25° 2	25°44	17° 2	n.a.	M 9
T 10	16 48 7	11°38'11	3♈25	25° 5	26° 0	12°32	22° 7	20°29	14°53	17°46	29°31	25° 0	25°40	17° 9	n.a.	T 10
W11	16 52 4	12°35'20	16°37	26°52	26°59	13°11	22°21	20°32	14°57	17°45	29°30	24°56	25°37	17°15	n.a.	W11
T 12	16 56 1	13°32'30	0♉17	28°41	27°58	13°49	22°34	20°35	15° 0	17°43	29°29	24°50	25°34	17°22	n.a.	T 12
F 13	16 59 57	14°29'40	14°26	0♊34	28°58	14°28	22°47	20°38	15° 3	17°42	29°27	24°41	25°31	17°29	n.a.	F 13
S 14	17 3 54	15°26'51	29° 0	2°30	29°58	15° 7	23° 0	20°40	15° 7	17°40	29°26	24°31	25°28	17°35	n.a.	S 14
S 15	17 7 50	16°24'03	13♊54	4°27	0♉58	15°46	23°14	20°43	15°10	17°38	29°25	24°21	25°24	17°42	n.a.	S 15
M16	17 11 47	17°21'16	28°58	6°28	1°58	16°25	23°27	20°46	15°13	17°37	29°25	24°12	25°21	17°49	n.a.	M16
T 17	17 15 43	18°18'28	14♋ 3	8°30	2°59	17° 3	23°40	20°48	15°17	17°35	29°24	24° 5	25°18	17°55	n.a.	T 17
W18	17 19 40	19°15'42	28°59	10°33	4° 0	17°42	23°53	20°50	15°20	17°33	29°23	24° 1	25°15	18° 2	n.a.	W18
T 19	17 23 37	20°12'56	13♌40	12°38	5° 2	18°21	24° 7	20°53	15°24	17°32	29°22	23°59	25°12	18° 9	n.a.	T 19
F 20	17 27 33	21°10'10	28° 0	14°44	6° 4	18°59	24°20	20°55	15°27	17°30	29°21	23°D58	25° 9	18°15	n.a.	F 20
S 21	17 31 30	22° 7'24	11♍58	16°51	7° 6	19°38	24°33	20°57	15°31	17°29	29°20	23°59	25° 5	18°22	n.a.	S 21
S 22	17 35 26	23° 4'39	25°34	18°58	8° 8	20°17	24°47	20°59	15°34	17°27	29°19	23°R59	25° 2	18°29	n.a.	S 22
M23	17 39 23	24° 1'55	8♎50	21° 5	9°11	20°55	25° 0	21° 1	15°38	17°25	29°19	23°58	24°59	18°35	n.a.	M23
T 24	17 43 19	24°59'11	21°48	23°12	10°13	21°34	25°13	21° 2	15°41	17°24	29°18	23°55	24°56	18°42	n.a.	T 24
W25	17 47 16	25°56'27	4♏31	25°19	11°16	22°12	25°27	21° 4	15°45	17°22	29°17	23°50	24°53	18°49	n.a.	W25
T 26	17 51 12	26°53'44	17° 2	27°25	12°20	22°51	25°40	21° 6	15°48	17°21	29°16	23°42	24°50	18°55	n.a.	T 26
F 27	17 55 9	27°51'03	29°22	29°30	13°23	23°29	25°53	21° 7	15°52	17°19	29°16	23°33	24°46	19° 2	n.a.	F 27
S 28	17 59 6	28°48'21	11♐32	1♋34	14°27	24° 8	26° 7	21° 8	15°55	17°17	29°15	23°23	24°43	19° 9	n.a.	S 28
S 29	18 3 2	29°45'41	23°35	3°37	15°31	24°46	26°20	21°10	15°59	17°16	29°15	23°13	24°40	19°15	n.a.	S 29
M30	18 6 59	0♋43'02	5♑31	5♋39	16♉35	25♊25	26♊33	21♓11	16♋ 3	17♐14	29♎14	23♌ 4	24♌37	19♑22	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 3	18s 9	4n44	13n 1	2s41	4n23	2s48	22n25	0n43	23n33	0n10	6s13	2s23	23n29	0n32	22s16	0n56	0n41	13n 2	13n 9	12n58	19s28		n.a.
M 2	21 14	19 26	4 17	13 33	2 30	4 42	2 50	22 32	0 44	23 34	0 10	6 11	2 23	23 29	0 32	22 16	0 56	0 41	13 1	13 13	12 59	19 28		n.a.
T 3	21 24	19 49	3 39	14 7	2 19	5 1	2 51	22 39	0 44	23 35	0 10	6 10	2 23	23 28	0 32	22 16	0 56	0 41	13 1	13 16	13 0	19 28		n.a.
W 4	21 35	19 19	2 52	14 42	2 8	5 21	2 53	22 46	0 44	23 36	0 10	6 9	2 24	23 28	0 32	22 15	0 56	0 41	13 1	13 18	13 1	19 28		n.a.
T 5	21 44	17 59	1 57	15 17	1 56	5 41	2 54	22 52	0 45	23 37	0 11	6 8	2 24	23 28	0 32	22 15	0 56	0 41	13 0	13 20	13 2	19 28		n.a.
F 6	21 54	15 52	0 57	15 54	1 44	6 1	2 55	22 58	0 45	23 38	0 11	6 7	2 24	23 27	0 32	22 15	0 56	0 42	13 0	13 21	13 3	19 28		n.a.
S 7	22 3	13 4	0s 6	16 31	1 32	6 22	2 56	23 5	0 46	23 39	0 11	6 6	2 24	23 27	0 32	22 15	0 56	0 42	12 59	13 21	13 4	19 28		n.a.
S 8	22 12	9 40	1 10	17 8	1 20	6 42	2 57	23 11	0 46	23 40	0 11	6 4	2 25	23 27	0 32	22 15	0 56	0 42	12 59	13 21	13 5	19 27		n.a.
M 9	22 20	5 46	2 12	17 46	1 8	7 3	2 58	23 16	0 46	23 41	0 11	6 3	2 25	23 26	0 32	22 15	0 56	0 42	12 59	13 21	13 7	19 27		n.a.
T 10	22 28	1 31	3 9	18 24	0 55	7 24	2 59	23 22	0 47	23 42	0 11	6 2	2 25	23 26	0 32	22 15	0 56	0 42	12 58	13 21	13 8	19 27		n.a.
W11	22 36	2n57	3 58	19 1	0 43	7 45	2 59	23 27	0 47	23 43	0 11	6 1	2 26	23 25	0 32	22 15	0 56	0 42	12 58	13 23	13 9	19 27		n.a.
T 12	22 43	7 25	4 36	19 38	0 31	8 6	2 59	23 33	0 48	23 44	0 11	6 1	2 26	23 25	0 32	22 14	0 56	0 42	12 58	13 25	13 10	19 27		n.a.
F 13	22 50	11 38	4 58	20 14	0 18	8 27	3 0	23 38	0 48	23 44	0 11	6 0	2 26	23 25	0 32	22 14	0 56	0 42	12 57	13 28	13 11	19 27		n.a.
S 14	22 57	15 17	5 2	20 49	0 7	8 48	3 0	23 43	0 49	23 45	0 11	5 59	2 26	23 24	0 32	22 14	0 56	0 42	12 57	13 31	13 12	19 26		n.a.
S 15	23 3	18 2	4 46	21 23	0n 5	9 9	3 0	23 47	0 49	23 46	0 11	5 58	2 27	23 24	0 32	22 14	0 56	0 42	12 56	13 34	13 13	19 26		n.a.
M16	23 8	19 35	4 9	21 56	0 16	9 31	2 59	23 52	0 49	23 47	0 12	5 57	2 27	23 23	0 32	22 14	0 56	0 42	12 56	13 37	13 14	19 26		n.a.
T 17	23 14	19 45	3 16	22 27	0 27	9 52	2 59	23 56	0 50	23 47	0 12	5 57	2 27	23 23	0 31	22 14	0 56	0 42	12 56	13 40	13 15	19 26		n.a.
W18	23 19	18 31	2 9	22 56	0 37	10 13	2 58	24 0	0 50	23 48	0 12	5 56	2 28	23 23	0 31	22 14	0 56	0 41	12 55	13 41	13 16	19 26		n.a.
T 19	23 23	16 4	0 55	23 23	0 47	10 35	2 58	24 4	0 50	23 49	0 12	5 55	2 28	23 22	0 31	22 13	0 56	0 41	12 55	13 42	13 17	19 26		n.a.
F 20	23 27	12 40	0n21	23 47	0 56	10 56	2 57	24 8	0 51	23 50	0 12	5 55	2 28	23 22	0 31	22 13	0 56	0 41	12 54	13 42	13 18	19 25		n.a.
S 21	23 31	8 37	1 35	24 9	1 4	11 17	2 56	24 12	0 51	23 50	0 12	5 54	2 28	23 21	0 31	22 13	0 56	0 41	12 54	13 42	13 20	19 25		n.a.
S 22	23 34	4 14	2 40	24 29	1 12	11 38	2 55	24 15	0 52	23 51	0 12	5 54	2 29	23 21	0 31	22 13	0 56	0 41	12 53	13 42	13 21	19 25		n.a.
M23	23 37	0s15	3 36	24 46	1 19	11 59	2 54	24 18	0 52	23 52	0 12	5 53	2 29	23 21	0 31	22 13	0 56	0 41	12 53	13 42	13 22	19 25		n.a.
T 24	23 39	4 36	4 19	25 0	1 25	12 20	2 53	24 21	0 52	23 52	0 12	5 53	2 29	23 20	0 31	22 13	0 56	0 41	12 53	13 43	13 23	19 25		n.a.
W25	23 41	8 40	4 48	25 11	1 31	12 41	2 52	24 24	0 53	23 53	0 12	5 52	2 30	23 20	0 31	22 13	0 56	0 40	12 52	13 45	13 24	19 24		n.a.
T 26	23 43	12 18	5 3	25 19	1 36	13 2	2 50	24 26	0 53	23 53	0 13	5 52	2 30	23 19	0 31	22 12	0 56	0 40	12 52	13 48	13 25	19 24		n.a.
F 27	23 44	15 20	5 4	25 25	1 40	13 23	2 49	24 29	0 54	23 54	0 13	5 52	2 30	23 19	0 31	22 12	0 56	0 40	12 51	13 51	13 26	19 24		n.a.
S 28	23 45	17 40	4 50	25 27	1 43	13 43	2 47	24 31	0 54	23 54	0 13	5 51	2 31	23 18	0 31	22 12	0 56	0 40	12 51	13 54	13 27	19 24		n.a.
S 29	23 45	19 12	4 24	25 28	1 46	14 4	2 46	24 33	0 54	23 55	0 13	5 51	2 31	23 18	0 31	22 12	0 56	0 40	12 50	13 57	13 28	19 23		n.a.
M30	23n45	19s52	3n46	25n25	1n47	14n24	2s44	24n35	0n55	23n55	0n13	5s51	2s31	23n18	0n31	22s12	0n56	0n39	12n50	14n 0	13n29	19s23		n.a.

Julian Day Number = 1546984.5, Delta T = 04h33m35s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'07, Lahiri = -10°33'06 Julian Calendar 1 June 478 BCE == Greg. Calendar 27 May 478 BCE

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

JULY 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 10 55	1♋40'24	17♉23	7♋39	17♉40	26♊ 3	26♊46	21♓12	16♋ 6	17°R13	29°R14	22°R57	24♌34	19♉29	n.a.	T 1
W 2	18 14 52	2°37'47	29°11	9°38	18°45	26°42	27° 0	21°13	16°10	17♐11	29♎13	22♌52	24°30	19°35	n.a.	W 2
T 3	18 18 48	3°35'11	10♒59	11°36	19°50	27°20	27°13	21°14	16°14	17°10	29°13	22°49	24°27	19°42	n.a.	T 3
F 4	18 22 45	4°32'37	22°50	13°32	20°55	27°59	27°26	21°14	16°17	17° 8	29°12	22°D48	24°24	19°49	n.a.	F 4
S 5	18 26 41	5°30'03	4♓48	15°27	22° 0	28°37	27°39	21°15	16°21	17° 7	29°12	22°49	24°21	19°55	n.a.	S 5
S 6	18 30 38	6°27'31	16°56	17°20	23° 6	29°16	27°53	21°15	16°25	17° 5	29°11	22°50	24°18	20° 2	n.a.	S 6
M 7	18 34 35	7°25'01	29°19	19°11	24°11	29°54	28° 6	21°16	16°28	17° 4	29°11	22°51	24°15	20° 9	n.a.	M 7
T 8	18 38 31	8°22'32	12♈ 3	21° 2	25°17	0♋32	28°19	21°16	16°32	17° 2	29°11	22°R51	24°11	20°15	n.a.	T 8
W 9	18 42 28	9°20'05	25°10	22°50	26°24	1°11	28°32	21°16	16°36	17° 1	29°10	22°50	24° 8	20°22	n.a.	W 9
T 10	18 46 24	10°17'39	8♉46	24°37	27°30	1°49	28°45	21°R16	16°39	16°59	29°10	22°47	24° 5	20°29	n.a.	T 10
F 11	18 50 21	11°15'15	22°50	26°23	28°36	2°27	28°59	21°16	16°43	16°58	29°10	22°43	24° 2	20°35	n.a.	F 11
S 12	18 54 17	12°12'52	7♊22	28° 7	29°43	3° 6	29°12	21°16	16°47	16°56	29°10	22°37	23°59	20°42	n.a.	S 12
S 13	18 58 14	13°10'32	22°16	29°49	0♊50	3°44	29°25	21°16	16°51	16°55	29°10	22°31	23°56	20°49	n.a.	S 13
M14	19 2 10	14° 8'12	7♋25	1♌30	1°57	4°22	29°38	21°16	16°54	16°53	29°10	22°26	23°52	20°55	n.a.	M14
T 15	19 6 7	15° 5'55	22°39	3°10	3° 4	5° 1	29°51	21°15	16°58	16°52	29° 9	22°22	23°49	21° 2	n.a.	T 15
W16	19 10 4	16° 3'38	7♌48	4°48	4°11	5°39	0♋ 4	21°15	17° 2	16°51	29° 9	22°19	23°46	21° 9	n.a.	W16
T 17	19 14 0	17° 1'23	22°43	6°25	5°19	6°17	0°17	21°14	17° 6	16°49	29°D 9	22°D18	23°43	21°15	n.a.	T 17
F 18	19 17 57	17°59'09	7♍17	8° 0	6°26	6°56	0°30	21°13	17° 9	16°48	29° 9	22°19	23°40	21°22	n.a.	F 18
S 19	19 21 53	18°56'56	21°26	9°34	7°34	7°34	0°43	21°12	17°13	16°47	29° 9	22°20	23°36	21°29	n.a.	S 19
S 20	19 25 50	19°54'45	5♎10	11° 6	8°42	8°12	0°56	21°11	17°17	16°45	29°10	22°22	23°33	21°35	n.a.	S 20
M21	19 29 46	20°52'35	18°29	12°37	9°50	8°50	1° 9	21°10	17°20	16°44	29°10	22°R23	23°30	21°42	n.a.	M21
T 22	19 33 43	21°50'26	1♏26	14° 7	10°58	9°28	1°22	21° 9	17°24	16°43	29°10	22°22	23°27	21°49	n.a.	T 22
W23	19 37 39	22°48'19	14° 4	15°34	12° 7	10° 7	1°35	21° 8	17°28	16°42	29°10	22°20	23°24	21°55	n.a.	W23
T 24	19 41 36	23°46'13	26°26	17° 1	13°15	10°45	1°47	21° 6	17°32	16°40	29°10	22°17	23°21	22° 2	n.a.	T 24
F 25	19 45 33	24°44'08	8♐36	18°26	14°24	11°23	2° 0	21° 5	17°35	16°39	29°10	22°14	23°17	22° 9	n.a.	F 25
S 26	19 49 29	25°42'05	20°38	19°49	15°33	12° 1	2°13	21° 3	17°39	16°38	29°11	22° 9	23°14	22°15	n.a.	S 26
S 27	19 53 26	26°40'04	2♑32	21°11	16°42	12°39	2°26	21° 2	17°43	16°37	29°11	22° 5	23°11	22°22	n.a.	S 27
M28	19 57 22	27°38'04	14°23	22°32	17°51	13°18	2°38	21° 0	17°47	16°36	29°11	22° 1	23° 8	22°29	n.a.	M28
T 29	20 1 19	28°36'06	26°13	23°50	19° 0	13°56	2°51	20°58	17°50	16°35	29°12	21°58	23° 5	22°35	n.a.	T 29
W30	20 5 15	29°34'10	8♒ 2	25° 7	20° 9	14°34	3° 3	20°56	17°54	16°33	29°12	21°56	23° 2	22°42	n.a.	W30
T 31	20 9 12	0♌32'15	19♒54	26♌22	21♊19	15♋12	3♋16	20♓54	17♋58	16♐32	29♎13	21°D55	22♌58	22♉49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n44	19s39	2n59	25n20	1n49	14n44	2s42	24n36	0n55	23n56	0n13	5s51	2s31	23n17	0n31	22s12	0n56	0n39	12n49	14n 3	13n30	19s23			n.a.
W 2	23 43	18 34	2 4	25 13	1 49	15 4	2 40	24 38	0 55	23 56	0 13	5 51	2 32	23 17	0 31	22 12	0 56	0 39	12 49	14 4	13 31	19 23			n.a.
T 3	23 42	16 41	1 3	25 3	1 49	15 23	2 38	24 39	0 56	23 57	0 13	5 51	2 32	23 16	0 31	22 12	0 56	0 39	12 48	14 5	13 32	19 23			n.a.
F 4	23 40	14 5	0s 0	24 51	1 49	15 43	2 36	24 40	0 56	23 57	0 13	5 51	2 32	23 16	0 31	22 11	0 56	0 38	12 48	14 6	13 34	19 22			n.a.
S 5	23 38	10 53	1 4	24 37	1 47	16 2	2 34	24 41	0 56	23 57	0 14	5 51	2 33	23 15	0 31	22 11	0 56	0 38	12 47	14 5	13 35	19 22			n.a.
S 6	23 35	7 10	2 7	24 21	1 46	16 21	2 31	24 42	0 57	23 58	0 14	5 51	2 33	23 15	0 31	22 11	0 56	0 38	12 47	14 5	13 36	19 22			n.a.
M 7	23 32	3 6	3 5	24 4	1 43	16 40	2 29	24 42	0 57	23 58	0 14	5 51	2 33	23 14	0 31	22 11	0 56	0 37	12 46	14 5	13 37	19 22			n.a.
T 8	23 29	1n13	3 55	23 44	1 40	16 58	2 26	24 42	0 58	23 58	0 14	5 51	2 34	23 14	0 31	22 11	0 56	0 37	12 46	14 5	13 38	19 21			n.a.
W 9	23 25	5 36	4 35	23 23	1 37	17 16	2 24	24 43	0 58	23 59	0 14	5 51	2 34	23 14	0 31	22 11	0 56	0 37	12 45	14 5	13 39	19 21			n.a.
T 10	23 21	9 51	5 1	23 1	1 33	17 34	2 21	24 42	0 58	23 59	0 14	5 52	2 34	23 13	0 31	22 11	0 56	0 36	12 45	14 6	13 40	19 21			n.a.
F 11	23 16	13 43	5 10	22 37	1 29	17 51	2 19	24 42	0 59	23 59	0 14	5 52	2 34	23 13	0 31	22 11	0 56	0 36	12 44	14 7	13 41	19 21			n.a.
S 12	23 11	16 53	5 0	22 11	1 25	18 8	2 16	24 42	0 59	23 59	0 14	5 52	2 35	23 12	0 31	22 10	0 56	0 35	12 44	14 9	13 42	19 20			n.a.
S 13	23 5	19 2	4 30	21 45	1 20	18 25	2 13	24 41	0 59	23 59	0 14	5 52	2 35	23 12	0 32	22 10	0 56	0 35	12 43	14 11	13 43	19 20			n.a.
M14	22 59	19 53	3 40	21 17	1 14	18 42	2 10	24 40	1 0	24 0	0 14	5 53	2 35	23 11	0 32	22 10	0 56	0 35	12 43	14 13	13 44	19 20			n.a.
T 15	22 53	19 17	2 35	20 49	1 9	18 58	2 7	24 39	1 0	24 0	0 15	5 53	2 36	23 11	0 32	22 10	0 56	0 34	12 42	14 14	13 45	19 19			n.a.
W16	22 46	17 18	1 18	20 19	1 3	19 13	2 5	24 38	1 0	24 0	0 15	5 54	2 36	23 10	0 32	22 10	0 56	0 34	12 42	14 15	13 46	19 19			n.a.
T 17	22 39	14 9	0n 2	19 49	0 56	19 28	2 2	24 36	1 1	24 0	0 15	5 54	2 36	23 10	0 32	22 10	0 56	0 33	12 41	14 15	13 47	19 19			n.a.
F 18	22 31	10 12	1 21	19 18	0 50	19 43	1 58	24 35	1 1	24 0	0 15	5 55	2 37	23 9	0 32	22 10	0 56	0 33	12 41	14 15	13 48	19 19			n.a.
S 19	22 23	5 46	2 33	18 46	0 43	19 58	1 55	24 33	1 1	24 0	0 15	5 56	2 37	23 9	0 32	22 10	0 56	0 32	12 40	14 15	13 50	19 18			n.a.
S 20	22 15	1 11	3 33	18 14	0 36	20 12	1 52	24 31	1 2	24 0	0 15	5 56	2 37	23 8	0 32	22 10	0 56	0 32	12 40	14 14	13 51	19 18			n.a.
M21	22 6	3s20	4 20	17 41	0 28	20 25	1 49	24 29	1 2	24 0	0 15	5 57	2 37	23 8	0 32	22 9	0 56	0 31	12 39	14 14	13 52	19 18			n.a.
T 22	21 57	7 33	4 53	17 8	0 20	20 38	1 46	24 26	1 2	24 0	0 15	5 58	2 38	23 7	0 32	22 9	0 56	0 31	12 39	14 14	13 53	19 17			n.a.
W23	21 48	11 20	5 10	16 34	0 13	20 51	1 43	24 24	1 2	24 0	0 16	5 58	2 38	23 7	0 32	22 9	0 56	0 30	12 38	14 15	13 54	19 17			n.a.
T 24	21 38	14 33	5 13	16 1	0 4	21 3	1 39	24 21	1 3	24 0	0 16	5 59	2 38	23 6	0 32	22 9	0 56	0 30	12 38	14 16	13 55	19 17			n.a.
F 25	21 27	17 4	5 1	15 26	0s 4	21 14	1 36	24 18	1 3	24 0	0 16	6 0	2 38	23 6	0 32	22 9	0 55	0 29	12 37	14 17	13 56	19 16			n.a.
S 26	21 17	18 50	4 36	14 52	0 12	21 25	1 33	24 15	1 3	24 0	0 16	6 1	2 39	23 5	0 32	22 9	0 55	0 28	12 37	14 18	13 57	19 16			n.a.
S 27	21 6	19 45	3 59	14 18	0 21	21 36	1 29	24 12	1 4	24 0	0 16	6 2	2 39	23 5	0 32	22 9	0 55	0 28	12 36	14 20	13 58	19 16			n.a.
M28	20 54	19 47	3 12	13 43	0 30	21 46	1 26	24 8	1 4	24 0	0 16	6 3	2 39	23 5	0 32	22 9	0 55	0 27	12 36	14 21	13 59	19 15			n.a.
T 29	20 42	18 56	2 17	13 9	0 38	21 55	1 23	24 5	1 4	23 59	0 16	6 4	2 40	23 4	0 32	22 9	0 55	0 27	12 35	14 22	14 0	19 15			n.a.
W30	20 30	17 16	1 16	12 34	0 47	22 4	1 19	24 1	1 5	23 59	0 16	6 5	2 40	23 4	0 32	22 9	0 55	0 26	12 35	14 23	14 1	19 15			n.a.
T 31	20n18	14s52	0n11	12n 0	0s56	22n12	1s16	23n57	1n 5	23n59	0n16	6s 6	2s40	23n 3	0n32	22s 9	0n55	0n25	12n34	14n23	14n 2	19s14			n.a.

Julian Day Number = 1547014.5, Delta T = 04h33m34s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°40'03, Lahiri = -10°33'02 Julian Calendar 1 July 478 BCE == Greg. Calendar 26 June 478 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

AUGUST 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 13 8	1♌30'22	1♓50	27♌36	22♊28	15♋50	3♋28	20°R52	18♋ 1	16°R31	29♎13	21♌55	22♌55	22♉55	n.a.	F 1
S 2	20 17 5	2°28'32	13°54	28°47	23°38	16°28	3°41	20♓50	18° 5	16♐30	29°14	21°57	22°52	23° 2	n.a.	S 2
S 3	20 21 2	3°26'43	26° 8	29°57	24°48	17° 6	3°53	20°47	18° 9	16°29	29°14	21°58	22°49	23° 9	n.a.	S 3
M 4	20 24 58	4°24'56	8♈36	1♍ 5	25°58	17°44	4° 5	20°45	18°12	16°28	29°15	21°59	22°46	23°15	n.a.	M 4
T 5	20 28 55	5°23'12	21°21	2°10	27° 8	18°22	4°18	20°42	18°16	16°27	29°16	22° 0	22°42	23°22	n.a.	T 5
W 6	20 32 51	6°21'30	4♉27	3°13	28°18	19° 1	4°30	20°39	18°19	16°27	29°16	22°R 1	22°39	23°29	n.a.	W 6
T 7	20 36 48	7°19'50	17°56	4°14	29°28	19°39	4°42	20°37	18°23	16°26	29°17	22° 1	22°36	23°35	n.a.	T 7
F 8	20 40 44	8°18'12	1♊50	5°12	0♋38	20°17	4°54	20°34	18°27	16°25	29°18	22° 0	22°33	23°42	n.a.	F 8
S 9	20 44 41	9°16'36	16° 9	6° 7	1°49	20°55	5° 6	20°31	18°30	16°24	29°18	21°59	22°30	23°49	n.a.	S 9
S 10	20 48 37	10°15'03	0♋50	6°59	3° 0	21°33	5°18	20°28	18°34	16°23	29°19	21°57	22°27	23°55	n.a.	S 10
M11	20 52 34	11°13'32	15°48	7°49	4°10	22°11	5°30	20°25	18°37	16°22	29°20	21°56	22°23	24° 2	n.a.	M11
T 12	20 56 31	12°12'03	0♌56	8°35	5°21	22°49	5°42	20°22	18°41	16°22	29°21	21°55	22°20	24° 9	n.a.	T 12
W13	21 0 27	13°10'37	16° 3	9°17	6°32	23°27	5°54	20°18	18°44	16°21	29°22	21°D54	22°17	24°15	n.a.	W13
T 14	21 4 24	14° 9'12	1♍ 2	9°56	7°43	24° 5	6° 6	20°15	18°48	16°20	29°23	21°55	22°14	24°22	n.a.	T 14
F 15	21 8 20	15° 7'49	15°44	10°30	8°54	24°43	6°18	20°12	18°51	16°20	29°24	21°55	22°11	24°29	n.a.	F 15
S 16	21 12 17	16° 6'27	0♎ 3	11° 0	10° 6	25°21	6°29	20° 8	18°55	16°19	29°25	21°55	22° 7	24°35	n.a.	S 16
S 17	21 16 13	17° 5'08	13°56	11°25	11°17	25°59	6°41	20° 5	18°58	16°18	29°26	21°56	22° 4	24°42	n.a.	S 17
M18	21 20 10	18° 3'51	27°22	11°45	12°28	26°37	6°52	20° 1	19° 1	16°18	29°27	21°56	22° 1	24°49	n.a.	M18
T 19	21 24 6	19° 2'35	10♏24	11°59	13°40	27°15	7° 4	19°57	19° 5	16°17	29°28	21°57	21°58	24°55	n.a.	T 19
W20	21 28 3	20° 1'21	23° 3	12° 8	14°52	27°53	7°15	19°53	19° 8	16°17	29°29	21°R57	21°55	25° 2	n.a.	W20
T 21	21 31 59	21° 0'09	5♐23	12°R10	16° 3	28°31	7°26	19°50	19°11	16°16	29°30	21°56	21°52	25° 9	n.a.	T 21
F 22	21 35 56	21°58'59	17°30	12° 6	17°15	29° 9	7°37	19°46	19°15	16°16	29°31	21°D56	21°48	25°15	n.a.	F 22
S 23	21 39 53	22°57'51	29°27	11°54	18°27	29°47	7°49	19°42	19°18	16°15	29°32	21°57	21°45	25°22	n.a.	S 23
S 24	21 43 49	23°56'45	11♑18	11°36	19°39	0♌25	8° 0	19°38	19°21	16°15	29°34	21°57	21°42	25°29	n.a.	S 24
M25	21 47 46	24°55'40	23° 6	11°10	20°51	1° 3	8°11	19°33	19°24	16°15	29°35	21°57	21°39	25°35	n.a.	M25
T 26	21 51 42	25°54'38	4♒56	10°36	22° 3	1°41	8°21	19°29	19°28	16°14	29°36	21°57	21°36	25°42	n.a.	T 26
W27	21 55 39	26°53'38	16°49	9°56	23°16	2°19	8°32	19°25	19°31	16°14	29°37	21°R58	21°33	25°49	n.a.	W27
T 28	21 59 35	27°52'39	28°49	9° 8	24°28	2°57	8°43	19°21	19°34	16°14	29°39	21°58	21°29	25°55	n.a.	T 28
F 29	22 3 32	28°51'43	10♓56	8°14	25°41	3°35	8°54	19°16	19°37	16°14	29°40	21°57	21°26	26° 2	n.a.	F 29
S 30	22 7 28	29°50'49	23°13	7°14	26°53	4°13	9° 4	19°12	19°40	16°13	29°42	21°56	21°23	26° 9	n.a.	S 30
S 31	22 11 25	0♍49'57	5♈41	6♍ 9	28♋ 6	4♌50	9♋15	19♓ 8	19♋43	16♐13	29♎43	21♌55	21♌20	26♉15	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n 5	11s48	0s55	11n26	1s 6	22n20	1s12	23n53	1n 5	23n59	0n17	6s 7	2s40	23n 3	0n32	22s 9	0n55	0n25	12n34	14n23	14n 3	19s14		n.a.
S 2	19 52	8 14	1 59	10 53	1 15	22 27	1 9	23 48	1 6	23 59	0 17	6 8	2 41	23 2	0 32	22 8	0 55	0 24	12 33	14 23	14 4	19 14		n.a.
S 3	19 38	4 16	2 58	10 20	1 24	22 34	1 5	23 44	1 6	23 58	0 17	6 9	2 41	23 2	0 32	22 8	0 55	0 23	12 33	14 22	14 5	19 13		n.a.
M 4	19 24	0 4	3 51	9 47	1 33	22 40	1 2	23 39	1 6	23 58	0 17	6 11	2 41	23 1	0 32	22 8	0 55	0 23	12 32	14 22	14 6	19 13		n.a.
T 5	19 10	4n13	4 33	9 15	1 43	22 45	0 58	23 34	1 6	23 58	0 17	6 12	2 41	23 1	0 32	22 8	0 55	0 22	12 32	14 21	14 7	19 13		n.a.
W 6	18 56	8 26	5 2	8 43	1 52	22 50	0 55	23 29	1 7	23 58	0 17	6 13	2 42	23 0	0 32	22 8	0 55	0 21	12 31	14 21	14 9	19 12		n.a.
T 7	18 41	12 20	5 16	8 12	2 1	22 54	0 51	23 24	1 7	23 57	0 17	6 14	2 42	23 0	0 32	22 8	0 55	0 21	12 31	14 21	14 10	19 12		n.a.
F 8	18 25	15 42	5 12	7 42	2 10	22 57	0 48	23 18	1 7	23 57	0 17	6 16	2 42	22 59	0 32	22 8	0 55	0 20	12 30	14 21	14 11	19 11		n.a.
S 9	18 10	18 13	4 49	7 13	2 20	23 0	0 44	23 13	1 8	23 57	0 18	6 17	2 42	22 59	0 32	22 8	0 55	0 19	12 30	14 22	14 12	19 11		n.a.
S 10	17 54	19 38	4 7	6 46	2 29	23 2	0 41	23 7	1 8	23 56	0 18	6 19	2 43	22 58	0 32	22 8	0 55	0 19	12 29	14 22	14 13	19 11		n.a.
M11	17 38	19 42	3 7	6 19	2 38	23 4	0 37	23 1	1 8	23 56	0 18	6 20	2 43	22 58	0 32	22 8	0 55	0 18	12 29	14 23	14 14	19 10		n.a.
T 12	17 22	18 22	1 54	5 54	2 46	23 5	0 34	22 55	1 8	23 56	0 18	6 22	2 43	22 57	0 32	22 8	0 55	0 17	12 28	14 23	14 15	19 10		n.a.
W13	17 5	15 43	0 32	5 30	2 55	23 5	0 30	22 49	1 9	23 55	0 18	6 23	2 43	22 57	0 32	22 8	0 55	0 16	12 28	14 23	14 16	19 10		n.a.
T 14	16 48	12 2	0n51	5 8	3 3	23 5	0 27	22 42	1 9	23 55	0 18	6 25	2 43	22 56	0 32	22 8	0 55	0 16	12 27	14 23	14 17	19 9		n.a.
F 15	16 30	7 40	2 9	4 47	3 11	23 4	0 23	22 36	1 9	23 54	0 18	6 26	2 44	22 56	0 32	22 8	0 55	0 15	12 27	14 23	14 18	19 9		n.a.
S 16	16 13	2 59	3 17	4 29	3 18	23 2	0 20	22 29	1 9	23 54	0 19	6 28	2 44	22 55	0 32	22 8	0 55	0 14	12 26	14 23	14 19	19 8		n.a.
S 17	15 55	1s43	4 11	4 13	3 25	22 59	0 17	22 22	1 10	23 53	0 19	6 29	2 44	22 55	0 32	22 8	0 55	0 13	12 26	14 23	14 20	19 8		n.a.
M18	15 37	6 11	4 49	3 59	3 32	22 56	0 13	22 15	1 10	23 53	0 19	6 31	2 44	22 55	0 32	22 8	0 55	0 12	12 26	14 23	14 21	19 7		n.a.
T 19	15 18	10 12	5 11	3 49	3 37	22 53	0 10	22 8	1 10	23 52	0 19	6 33	2 45	22 54	0 32	22 8	0 55	0 12	12 25	14 23	14 22	19 7		n.a.
W20	15 0	13 39	5 18	3 41	3 43	22 48	0 6	22 0	1 11	23 52	0 19	6 34	2 45	22 54	0 32	22 8	0 55	0 11	12 25	14 23	14 23	19 7		n.a.
T 21	14 41	16 24	5 9	3 36	3 47	22 43	0 3	21 53	1 11	23 52	0 19	6 36	2 45	22 53	0 32	22 8	0 55	0 10	12 24	14 23	14 24	19 6		n.a.
F 22	14 22	18 24	4 47	3 34	3 50	22 37	0n 0	21 45	1 11	23 51	0 19	6 38	2 45	22 53	0 32	22 8	0 54	0 9	12 24	14 23	14 25	19 6		n.a.
S 23	14 2	19 33	4 12	3 37	3 52	22 31	0 3	21 37	1 11	23 50	0 19	6 40	2 45	22 52	0 32	22 8	0 54	0 8	12 23	14 23	14 26	19 5		n.a.
S 24	13 43	19 49	3 27	3 43	3 53	22 24	0 7	21 29	1 12	23 50	0 20	6 41	2 45	22 52	0 32	22 8	0 54	0 7	12 23	14 23	14 27	19 5		n.a.
M25	13 23	19 13	2 34	3 53	3 53	22 16	0 10	21 21	1 12	23 49	0 20	6 43	2 46	22 51	0 32	22 8	0 54	0 7	12 22	14 22	14 28	19 4		n.a.
T 26	13 3	17 46	1 33	4 8	3 51	22 8	0 13	21 13	1 12	23 49	0 20	6 45	2 46	22 51	0 32	22 8	0 54	0 6	12 22	14 22	14 29	19 4		n.a.
W27	12 42	15 33	0 29	4 27	3 47	21 59	0 16	21 4	1 12	23 48	0 20	6 47	2 46	22 50	0 32	22 8	0 54	0 5	12 21	14 22	14 30	19 4		n.a.
T 28	12 22	12 38	0s38	4 50	3 41	21 49	0 19	20 56	1 13	23 48	0 20	6 49	2 46	22 50	0 32	22 8	0 54	0 4	12 21	14 22	14 31	19 3		n.a.
F 29	12 1	9 9	1 43	5 18	3 34	21 39	0 22	20 47	1 13	23 47	0 20	6 50	2 46	22 50	0 32	22 8	0 54	0 3	12 21	14 22	14 32	19 3		n.a.
S 30	11 40	5 15	2 45	5 49	3 24	21 28	0 25	20 38	1 13	23 47	0 20	6 52	2 46	22 49	0 32	22 8	0 54	0 2	12 20	14 23	14 34	19 2		n.a.
S 31	11n19	1s 4	3s40	6n24	3s12	21n16	0n28	20n29	1n13	23n46	0n21	6s54	2s46	22n49	0n32	22s 8	0n54	0n 1	12n20	14n23	14n35	19s 2		n.a.

Julian Day Number = 1547045.5, Delta T = 04h33m32s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'58, Lahiri = -10°32'58 Julian Calendar 1 Aug. 478 BCE == Greg. Calendar 27 July 478 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

SEPTEMBER 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 15 22	1♍49'08	18♈21	5°R 2	29♋18	5♌28	9♋25	19°R 3	19♋46	16°R13	29♎44	21°R54	21♌17	26♑22	n.a.	M 1
T 2	22 19 18	2°48'21	1♉16	3♍52	0♌31	6° 6	9°35	18♓59	19°49	16♐13	29°46	21♌53	21°13	26°29	n.a.	T 2
W 3	22 23 15	3°47'36	14°27	2°43	1°44	6°44	9°45	18°54	19°52	16°13	29°47	21°52	21°10	26°35	n.a.	W 3
T 4	22 27 11	4°46'54	27°55	1°36	2°57	7°22	9°55	18°50	19°55	16°D13	29°49	21°51	21° 7	26°42	n.a.	T 4
F 5	22 31 8	5°46'14	11♊42	0°32	4°10	8° 0	10° 5	18°45	19°58	16°13	29°51	21°D51	21° 4	26°49	n.a.	F 5
S 6	22 35 4	6°45'37	25°47	29♌34	5°23	8°38	10°15	18°40	20° 1	16°13	29°52	21°52	21° 1	26°55	n.a.	S 6
S 7	22 39 1	7°45'02	10♋ 9	28°44	6°36	9°16	10°25	18°36	20° 4	16°13	29°54	21°53	20°58	27° 2	n.a.	S 7
M 8	22 42 57	8°44'30	24°45	28° 2	7°50	9°54	10°35	18°31	20° 6	16°13	29°55	21°54	20°54	27° 9	n.a.	M 8
T 9	22 46 54	9°44'00	9♌32	27°30	9° 3	10°32	10°44	18°26	20° 9	16°13	29°57	21°55	20°51	27°15	n.a.	T 9
W10	22 50 50	10°43'33	24°23	27° 8	10°16	11°10	10°54	18°21	20°12	16°14	29°59	21°R55	20°48	27°22	n.a.	W10
T 11	22 54 47	11°43'07	9♍10	26°D57	11°30	11°47	11° 3	18°17	20°15	16°14	0♏ 1	21°54	20°45	27°29	n.a.	T 11
F 12	22 58 44	12°42'44	23°46	26°58	12°43	12°25	11°12	18°12	20°17	16°14	0° 2	21°53	20°42	27°35	n.a.	F 12
S 13	23 2 40	13°42'22	8♎ 5	27° 9	13°57	13° 3	11°22	18° 7	20°20	16°14	0° 4	21°50	20°39	27°42	n.a.	S 13
S 14	23 6 37	14°42'03	22° 2	27°30	15°11	13°41	11°31	18° 2	20°22	16°15	0° 6	21°47	20°35	27°48	n.a.	S 14
M15	23 10 33	15°41'46	5♏33	28° 1	16°24	14°19	11°39	17°57	20°25	16°15	0° 8	21°43	20°32	27°55	n.a.	M15
T 16	23 14 30	16°41'30	18°40	28°42	17°38	14°57	11°48	17°52	20°27	16°15	0°10	21°40	20°29	28° 2	n.a.	T 16
W17	23 18 26	17°41'17	1♐23	29°31	18°52	15°35	11°57	17°48	20°30	16°16	0°11	21°38	20°26	28° 8	n.a.	W17
T 18	23 22 23	18°41'05	13°46	0♍28	20° 6	16°13	12° 5	17°43	20°32	16°16	0°13	21°D37	20°23	28°15	n.a.	T 18
F 19	23 26 19	19°40'55	25°52	1°31	21°20	16°50	12°14	17°38	20°34	16°17	0°15	21°37	20°19	28°22	n.a.	F 19
S 20	23 30 16	20°40'47	7♑48	2°41	22°34	17°28	12°22	17°33	20°37	16°17	0°17	21°38	20°16	28°28	n.a.	S 20
S 21	23 34 13	21°40'41	19°38	3°55	23°48	18° 6	12°30	17°28	20°39	16°18	0°19	21°40	20°13	28°35	n.a.	S 21
M22	23 38 9	22°40'36	1♒26	5°14	25° 2	18°44	12°38	17°23	20°41	16°18	0°21	21°41	20°10	28°42	n.a.	M22
T 23	23 42 6	23°40'34	13°18	6°37	26°16	19°22	12°46	17°19	20°43	16°19	0°23	21°43	20° 7	28°48	n.a.	T 23
W24	23 46 2	24°40'33	25°16	8° 4	27°30	19°59	12°54	17°14	20°45	16°20	0°25	21°R43	20° 4	28°55	n.a.	W24
T 25	23 49 59	25°40'34	7♓25	9°33	28°45	20°37	13° 2	17° 9	20°48	16°20	0°27	21°42	20° 0	29° 2	n.a.	T 25
F 26	23 53 55	26°40'37	19°45	11° 4	29°59	21°15	13° 9	17° 4	20°50	16°21	0°29	21°39	19°57	29° 8	n.a.	F 26
S 27	23 57 52	27°40'42	2♈19	12°37	1♍13	21°53	13°16	17° 0	20°52	16°22	0°31	21°34	19°54	29°15	n.a.	S 27
S 28	0 1 48	28°40'48	15° 7	14°11	2°28	22°31	13°24	16°55	20°54	16°23	0°33	21°28	19°51	29°22	n.a.	S 28
M29	0 5 45	29°40'57	28° 9	15°47	3°42	23° 8	13°31	16°50	20°55	16°23	0°35	21°21	19°48	29°28	n.a.	M29
T 30	0 9 41	0♎41'08	11♉25	17♍24	4♍57	23♌46	13♋38	16♓46	20♋57	16♐24	0♏37	21♌15	19♌44	29♑35	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n58	3n13	4s24	7n 1	2s59	21n 4	0n31	20n20	1n14	23n45	0n21	6s56	2s47	22n48	0n32	22s 8	0n54	0n 0	12n19	14n23	14n36	19s 1		n.a.
T 2	10 36	7 26	4 57	7 41	2 44	20 51	0 34	20 11	1 14	23 45	0 21	6 58	2 47	22 48	0 32	22 8	0 54	0s 1	12 19	14 24	14 37	19 1		n.a.
W 3	10 15	11 23	5 14	8 22	2 27	20 37	0 36	20 1	1 14	23 44	0 21	7 0	2 47	22 48	0 32	22 8	0 54	0 1	12 18	14 24	14 38	19 0		n.a.
T 4	9 53	14 50	5 15	9 3	2 8	20 23	0 39	19 52	1 14	23 44	0 21	7 2	2 47	22 47	0 32	22 8	0 54	0 2	12 18	14 24	14 39	19 0		n.a.
F 5	9 31	17 33	4 58	9 44	1 49	20 9	0 42	19 42	1 14	23 43	0 21	7 4	2 47	22 47	0 32	22 8	0 54	0 3	12 18	14 24	14 40	18 59		n.a.
S 6	9 9	19 18	4 23	10 23	1 29	19 53	0 45	19 32	1 15	23 42	0 22	7 6	2 47	22 46	0 32	22 8	0 54	0 4	12 17	14 24	14 41	18 59		n.a.
S 7	8 46	19 51	3 31	11 0	1 9	19 37	0 47	19 22	1 15	23 42	0 22	7 8	2 47	22 46	0 32	22 8	0 54	0 5	12 17	14 24	14 42	18 58		n.a.
M 8	8 24	19 5	2 25	11 33	0 49	19 21	0 50	19 12	1 15	23 41	0 22	7 10	2 47	22 46	0 33	22 8	0 54	0 6	12 16	14 23	14 43	18 58		n.a.
T 9	8 1	17 0	1 8	12 3	0 29	19 4	0 52	19 2	1 15	23 41	0 22	7 12	2 47	22 45	0 33	22 8	0 54	0 7	12 16	14 23	14 44	18 57		n.a.
W10	7 38	13 47	0n14	12 28	0 10	18 46	0 54	18 52	1 16	23 40	0 22	7 13	2 47	22 45	0 33	22 8	0 54	0 8	12 16	14 23	14 45	18 57		n.a.
T 11	7 15	9 41	1 34	12 49	0n 8	18 28	0 57	18 41	1 16	23 39	0 22	7 15	2 47	22 44	0 33	22 8	0 54	0 9	12 15	14 23	14 46	18 56		n.a.
F 12	6 52	5 3	2 47	13 5	0 25	18 9	0 59	18 31	1 16	23 39	0 23	7 17	2 48	22 44	0 33	22 8	0 54	0 10	12 15	14 24	14 47	18 56		n.a.
S 13	6 29	0 14	3 48	13 16	0 41	17 50	1 1	18 20	1 16	23 38	0 23	7 19	2 48	22 44	0 33	22 8	0 54	0 11	12 14	14 25	14 48	18 55		n.a.
S 14	6 6	4s28	4 34	13 22	0 55	17 30	1 3	18 9	1 16	23 37	0 23	7 21	2 48	22 43	0 33	22 9	0 54	0 12	12 14	14 26	14 49	18 55		n.a.
M15	5 43	8 48	5 2	13 23	1 8	17 10	1 6	17 58	1 17	23 37	0 23	7 23	2 48	22 43	0 33	22 9	0 53	0 13	12 14	14 27	14 50	18 54		n.a.
T 16	5 19	12 34	5 14	13 19	1 19	16 49	1 8	17 47	1 17	23 36	0 23	7 25	2 48	22 43	0 33	22 9	0 53	0 14	12 13	14 28	14 51	18 54		n.a.
W17	4 56	15 39	5 10	13 11	1 29	16 28	1 10	17 36	1 17	23 36	0 23	7 27	2 48	22 42	0 33	22 9	0 53	0 15	12 13	14 29	14 52	18 53		n.a.
T 18	4 32	17 55	4 52	12 58	1 38	16 6	1 11	17 25	1 17	23 35	0 24	7 29	2 48	22 42	0 33	22 9	0 53	0 16	12 13	14 29	14 53	18 53		n.a.
F 19	4 8	19 21	4 20	12 42	1 45	15 44	1 13	17 13	1 17	23 34	0 24	7 31	2 48	22 42	0 33	22 9	0 53	0 17	12 12	14 29	14 54	18 52		n.a.
S 20	3 44	19 53	3 38	12 22	1 51	15 21	1 15	17 2	1 18	23 34	0 24	7 33	2 48	22 41	0 33	22 9	0 53	0 18	12 12	14 29	14 55	18 52		n.a.
S 21	3 21	19 32	2 47	11 59	1 55	14 58	1 17	16 50	1 18	23 33	0 24	7 35	2 48	22 41	0 33	22 9	0 53	0 19	12 12	14 28	14 56	18 51		n.a.
M22	2 57	18 20	1 49	11 33	1 59	14 34	1 18	16 38	1 18	23 33	0 24	7 37	2 48	22 41	0 33	22 9	0 53	0 20	12 11	14 28	14 57	18 51		n.a.
T 23	2 33	16 19	0 46	11 4	2 1	14 10	1 20	16 27	1 18	23 32	0 24	7 39	2 48	22 40	0 33	22 9	0 53	0 21	12 11	14 27	14 58	18 50		n.a.
W24	2 9	13 34	0s19	10 33	2 3	13 46	1 21	16 15	1 18	23 31	0 25	7 41	2 48	22 40	0 33	22 9	0 53	0 22	12 11	14 27	14 59	18 49		n.a.
T 25	1 44	10 13	1 25	10 0	2 3	13 21	1 23	16 3	1 19	23 31	0 25	7 42	2 48	22 40	0 33	22 10	0 53	0 22	12 10	14 27	15 0	18 49		n.a.
F 26	1 20	6 22	2 27	9 24	2 3	12 56	1 24	15 51	1 19	23 30	0 25	7 44	2 48	22 40	0 33	22 10	0 53	0 23	12 10	14 28	15 1	18 48		n.a.
S 27	0 56	2 10	3 23	8 47	2 2	12 30	1 25	15 38	1 19	23 30	0 25	7 46	2 48	22 39	0 33	22 10	0 53	0 24	12 10	14 30	15 2	18 48		n.a.
S 28	0 32	2n11	4 10	8 9	2 1	12 4	1 26	15 26	1 19	23 29	0 25	7 48	2 48	22 39	0 33	22 10	0 53	0 25	12 9	14 32	15 3	18 47		n.a.
M29	0 8	6 31	4 45	7 29	1 58	11 38	1 27	15 14	1 19	23 29	0 25	7 50	2 48	22 39	0 33	22 10	0 53	0 26	12 9	14 34	15 4	18 47		n.a.
T 30	0s17	10n37	5s 5	6n49	1n56	11n11	1n29	15n 1	1n20	23n28	0n26	7s51	2s47	22n38	0n33	22s10	0n53	0s27	12n 9	14n36	15n 5	18s46		n.a.

Julian Day Number = 1547076.5, Delta T = 04h33m31s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'54, Lahiri = -10°32'54 Julian Calendar 1 Sept. 478 BCE == Greg. Calendar 27 Aug. 478 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

OCTOBER 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 13 38	1♎41'21	24♉52	19♍ 1	6♍11	24♌24	13♋45	16°R41	20♋59	16♐25	0♏39	21°R 9	19♌41	29♑42	n.a.	W 1
T 2	0 17 35	2°41'36	8♊30	20°39	7°26	25° 2	13°51	16♓36	21° 1	16°26	0°42	21♌ 5	19°38	29°48	n.a.	T 2
F 3	0 21 31	3°41'54	22°19	22°17	8°41	25°40	13°58	16°32	21° 2	16°27	0°44	21° 2	19°35	29°55	n.a.	F 3
S 4	0 25 28	4°42'13	6♋18	23°55	9°55	26°17	14° 4	16°27	21° 4	16°28	0°46	21°D 2	19°32	0♒ 2	n.a.	S 4
S 5	0 29 24	5°42'35	20°25	25°33	11°10	26°55	14°10	16°23	21° 6	16°29	0°48	21° 2	19°29	0° 8	n.a.	S 5
M 6	0 33 21	6°42'59	4♌41	27°12	12°25	27°33	14°16	16°19	21° 7	16°30	0°50	21° 4	19°25	0°15	n.a.	M 6
T 7	0 37 17	7°43'25	19° 2	28°50	13°40	28°11	14°22	16°14	21° 9	16°31	0°53	21°R 4	19°22	0°22	n.a.	T 7
W 8	0 41 14	8°43'53	3♍26	0♎28	14°55	28°48	14°28	16°10	21°10	16°32	0°55	21° 4	19°19	0°28	n.a.	W 8
T 9	0 45 10	9°44'23	17°49	2° 6	16°10	29°26	14°33	16° 6	21°12	16°33	0°57	21° 1	19°16	0°35	n.a.	T 9
F 10	0 49 7	10°44'54	2♎ 5	3°44	17°25	0♍ 4	14°39	16° 2	21°13	16°34	0°59	20°56	19°13	0°41	n.a.	F 10
S 11	0 53 4	11°45'28	16°10	5°22	18°39	0°42	14°44	15°58	21°14	16°36	1° 2	20°48	19°10	0°48	n.a.	S 11
S 12	0 57 0	12°46'03	29°58	6°59	19°54	1°19	14°49	15°53	21°15	16°37	1° 4	20°39	19° 6	0°55	n.a.	S 12
M13	1 0 57	13°46'40	13♏26	8°37	21°10	1°57	14°54	15°49	21°17	16°38	1° 6	20°30	19° 3	1° 1	n.a.	M13
T 14	1 4 53	14°47'18	26°32	10°13	22°25	2°35	14°59	15°46	21°18	16°39	1° 8	20°21	19° 0	1° 8	n.a.	T 14
W15	1 8 50	15°47'57	9♐16	11°50	23°40	3°12	15° 3	15°42	21°19	16°41	1°11	20°13	18°57	1°15	n.a.	W15
T 16	1 12 46	16°48'38	21°40	13°26	24°55	3°50	15° 8	15°38	21°20	16°42	1°13	20° 8	18°54	1°21	n.a.	T 16
F 17	1 16 43	17°49'21	3♑48	15° 3	26°10	4°28	15°12	15°34	21°21	16°43	1°15	20° 4	18°50	1°28	n.a.	F 17
S 18	1 20 39	18°50'04	15°44	16°38	27°25	5° 5	15°16	15°31	21°22	16°45	1°18	20°D 3	18°47	1°35	n.a.	S 18
S 19	1 24 36	19°50'49	27°34	18°14	28°40	5°43	15°20	15°27	21°23	16°46	1°20	20° 3	18°44	1°41	n.a.	S 19
M20	1 28 33	20°51'35	9♒22	19°49	29°55	6°21	15°23	15°24	21°23	16°48	1°22	20° 4	18°41	1°48	n.a.	M20
T 21	1 32 29	21°52'22	21°14	21°25	1♎11	6°58	15°27	15°20	21°24	16°49	1°25	20°R 4	18°38	1°55	n.a.	T 21
W22	1 36 26	22°53'10	3♓16	23° 0	2°26	7°36	15°30	15°17	21°25	16°51	1°27	20° 3	18°35	2° 1	n.a.	W22
T 23	1 40 22	23°54'00	15°31	24°34	3°41	8°14	15°33	15°14	21°25	16°52	1°29	20° 0	18°31	2° 8	n.a.	T 23
F 24	1 44 19	24°54'50	28° 3	26° 9	4°56	8°51	15°36	15°10	21°26	16°54	1°32	19°54	18°28	2°15	n.a.	F 24
S 25	1 48 15	25°55'42	10♈53	27°43	6°12	9°29	15°39	15° 7	21°26	16°55	1°34	19°46	18°25	2°21	n.a.	S 25
S 26	1 52 12	26°56'35	24° 2	29°18	7°27	10° 6	15°42	15° 4	21°27	16°57	1°36	19°35	18°22	2°28	n.a.	S 26
M27	1 56 8	27°57'29	7♉29	0♏52	8°42	10°44	15°44	15° 2	21°27	16°58	1°39	19°24	18°19	2°35	n.a.	M27
T 28	2 0 5	28°58'24	21°11	2°26	9°58	11°22	15°46	14°59	21°28	17° 0	1°41	19°12	18°15	2°41	n.a.	T 28
W29	2 4 1	29°59'21	5♊ 4	4° 0	11°13	11°59	15°48	14°56	21°28	17° 2	1°43	19° 1	18°12	2°48	n.a.	W29
T 30	2 7 58	1♏ 0'19	19° 5	5°34	12°28	12°37	15°50	14°53	21°28	17° 3	1°46	18°53	18° 9	2°55	n.a.	T 30
F 31	2 11 55	2♏ 1'19	3♋ 9	7♏ 8	13♎44	13♍14	15♋52	14♓51	21♋28	17♐ 5	1♏48	18♌47	18♌ 6	3♒ 1	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
W 1	0s41	14n14	5s 9	6n 7	1n52	10n44	1n29	14n49	1n20	23n28	0n26	7s53	2s47	22n38	0n33	22s10	0n53	0s28	12n 9	14n38	15n 6	18s45					n.a.
T 2	1 5	17 8	4 56	5 25	1 49	10 17	1 30	14 36	1 20	23 27	0 26	7 55	2 47	22 38	0 33	22 10	0 53	0 29	12 8	14 39	15 7	18 45					n.a.
F 3	1 29	19 7	4 25	4 42	1 44	9 50	1 31	14 23	1 20	23 27	0 26	7 57	2 47	22 38	0 33	22 11	0 53	0 30	12 8	14 40	15 8	18 44					n.a.
S 4	1 54	19 58	3 39	3 58	1 40	9 22	1 32	14 10	1 20	23 26	0 26	7 58	2 47	22 38	0 33	22 11	0 53	0 31	12 8	14 40	15 9	18 44					n.a.
S 5	2 18	19 34	2 38	3 14	1 35	8 54	1 33	13 57	1 20	23 26	0 27	8 0	2 47	22 37	0 33	22 11	0 53	0 32	12 8	14 40	15 10	18 43					n.a.
M 6	2 42	17 56	1 28	2 30	1 30	8 25	1 33	13 44	1 21	23 25	0 27	8 2	2 47	22 37	0 33	22 11	0 53	0 33	12 7	14 40	15 11	18 42					n.a.
T 7	3 6	15 8	0 11	1 46	1 25	7 57	1 34	13 31	1 21	23 25	0 27	8 3	2 47	22 37	0 33	22 11	0 53	0 34	12 7	14 40	15 12	18 42					n.a.
W 8	3 30	11 24	1n 6	1 1	1 19	7 28	1 34	13 18	1 21	23 24	0 27	8 5	2 47	22 37	0 34	22 11	0 53	0 35	12 7	14 40	15 13	18 41					n.a.
T 9	3 54	7 1	2 19	0 16	1 13	6 59	1 34	13 5	1 21	23 24	0 27	8 6	2 47	22 37	0 34	22 11	0 53	0 36	12 7	14 41	15 14	18 41					n.a.
F 10	4 18	2 15	3 23	0s28	1 8	6 29	1 35	12 52	1 21	23 23	0 28	8 8	2 47	22 36	0 34	22 12	0 52	0 37	12 6	14 42	15 15	18 40					n.a.
S 11	4 42	2s33	4 13	1 13	1 1	6 0	1 35	12 38	1 21	23 23	0 28	8 9	2 46	22 36	0 34	22 12	0 52	0 38	12 6	14 45	15 16	18 39					n.a.
S 12	5 6	7 8	4 47	1 58	0 55	5 30	1 35	12 25	1 22	23 23	0 28	8 11	2 46	22 36	0 34	22 12	0 52	0 39	12 6	14 48	15 17	18 39					n.a.
M13	5 30	11 15	5 4	2 42	0 49	5 0	1 35	12 11	1 22	23 22	0 28	8 12	2 46	22 36	0 34	22 12	0 52	0 40	12 6	14 51	15 18	18 38					n.a.
T 14	5 54	14 42	5 4	3 27	0 43	4 30	1 35	11 58	1 22	23 22	0 28	8 14	2 46	22 36	0 34	22 12	0 52	0 41	12 6	14 54	15 19	18 37					n.a.
W15	6 18	17 21	4 50	4 11	0 36	4 0	1 35	11 44	1 22	23 22	0 29	8 15	2 46	22 36	0 34	22 12	0 52	0 42	12 5	14 56	15 20	18 37					n.a.
T 16	6 41	19 8	4 21	4 55	0 30	3 30	1 35	11 30	1 22	23 21	0 29	8 17	2 46	22 36	0 34	22 13	0 52	0 43	12 5	14 58	15 21	18 36					n.a.
F 17	7 5	20 0	3 42	5 39	0 23	2 59	1 35	11 16	1 22	23 21	0 29	8 18	2 46	22 35	0 34	22 13	0 52	0 44	12 5	14 59	15 22	18 35					n.a.
S 18	7 28	19 56	2 53	6 22	0 17	2 29	1 34	11 2	1 22	23 21	0 29	8 19	2 45	22 35	0 34	22 13	0 52	0 45	12 5	14 59	15 23	18 35					n.a.
S 19	7 52	19 0	1 58	7 5	0 10	1 58	1 34	10 49	1 22	23 21	0 29	8 20	2 45	22 35	0 34	22 13	0 52	0 46	12 5	14 59	15 24	18 34					n.a.
M20	8 15	17 14	0 57	7 48	0 3	1 27	1 33	10 35	1 23	23 20	0 30	8 22	2 45	22 35	0 34	22 13	0 52	0 47	12 5	14 59	15 25	18 33					n.a.
T 21	8 38	14 42	0s 6	8 30	0s 3	0 57	1 33	10 21	1 23	23 20	0 30	8 23	2 45	22 35	0 34	22 13	0 52	0 48	12 4	14 59	15 26	18 33					n.a.
W22	9 1	11 31	1 10	9 12	0 10	0 26	1 32	10 6	1 23	23 20	0 30	8 24	2 45	22 35	0 34	22 14	0 52	0 48	12 4	14 59	15 27	18 32					n.a.
T 23	9 23	7 48	2 11	9 54	0 16	0s 5	1 32	9 52	1 23	23 20	0 30	8 25	2 45	22 35	0 34	22 14	0 52	0 49	12 4	15 0	15 28	18 31					n.a.
F 24	9 46	3 39	3 8	10 35	0 23	0 36	1 31	9 38	1 23	23 20	0 30	8 26	2 44	22 35	0 34	22 14	0 52	0 50	12 4	15 2	15 29	18 31					n.a.
S 25	10 9	0n45	3 56	11 15	0 29	1 7	1 30	9 24	1 23	23 20	0 31	8 27	2 44	22 35	0 34	22 14	0 52	0 51	12 4	15 5	15 30	18 30					n.a.
S 26	10 31	5 13	4 33	11 55	0 35	1 38	1 29	9 10	1 23	23 20	0 31	8 28	2 44	22 35	0 34	22 14	0 52	0 52	12 4	15 8	15 31	18 29					n.a.
M27	10 53	9 32	4 56	12 34	0 42	2 9	1 28	8 55	1 23	23 19	0 31	8 29	2 44	22 35	0 34	22 15	0 52	0 53	12 4	15 12	15 32	18 29					n.a.
T 28	11 15	13 26	5 2	13 13	0 48	2 39	1 27	8 41	1 24	23 19	0 31	8 30	2 44	22 35	0 34	22 15	0 52	0 54	12 4	15 16	15 33	18 28					n.a.
W29	11 37	16 40	4 50	13 51	0 54	3 10	1 26	8 26	1 24	23 19	0 32	8 31	2 43	22 35	0 34	22 15	0 52	0 55	12 3	15 19	15 34	18 27					n.a.
T 30	11 58	18 57	4 22	14 29	1 0	3 41	1 25	8 12	1 24	23 19	0 32	8 32	2 43	22 35	0 34	22 15	0 52	0 56	12 3	15 22	15 35	18 27					n.a.
F 31	12s20	20n 6	3s37	15s 6	1s 6	4s12	1n24	7n57	1n24	23n19	0n32	8s32	2s43	22n35	0n34	22s15	0n52	0s56	12n 3	15n23	15n36	18s26					n.a.

Julian Day Number = 1547106.5, Delta T = 04h33m30s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'50, Lahiri = -10°32'50 Julian Calendar 1 Oct. 478 BCE == Greg. Calendar 26 Sept. 478 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

NOVEMBER 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 15 51	3♏ 2'20	17♋15	8♏42	14♎59	13♍52	15♋53	14°R49	21♋29	17♐ 7	1♏51	18°R44	18♌ 3	3♒ 8	n.a.	S 1
S 2	2 19 48	4° 3'22	1♌21	10°15	16°15	14°29	15°54	14♓46	21°29	17° 9	1°53	18°D43	18° 0	3°14	n.a.	S 2
M 3	2 23 44	5° 4'26	15°25	11°49	17°30	15° 7	15°56	14°44	21°R29	17°10	1°55	18°R43	17°56	3°21	n.a.	M 3
T 4	2 27 41	6° 5'31	29°28	13°23	18°46	15°44	15°56	14°42	21°29	17°12	1°58	18♌43	17°53	3°28	n.a.	T 4
W 5	2 31 37	7° 6'37	13♍27	14°57	20° 1	16°22	15°57	14°40	21°28	17°14	2° 0	18°41	17°50	3°34	n.a.	W 5
T 6	2 35 34	8° 7'44	27°23	16°30	21°17	16°59	15°58	14°38	21°28	17°16	2° 2	18°36	17°47	3°41	n.a.	T 6
F 7	2 39 30	9° 8'52	11♎12	18° 4	22°32	17°37	15°58	14°36	21°28	17°18	2° 5	18°28	17°44	3°48	n.a.	F 7
S 8	2 43 27	10°10'01	24°52	19°38	23°47	18°14	15°R58	14°35	21°28	17°20	2° 7	18°18	17°41	3°54	n.a.	S 8
S 9	2 47 24	11°11'11	8♏20	21°12	25° 3	18°52	15°58	14°33	21°27	17°22	2°10	18° 5	17°37	4° 1	n.a.	S 9
M10	2 51 20	12°12'22	21°33	22°45	26°18	19°29	15°57	14°32	21°27	17°24	2°12	17°51	17°34	4° 8	n.a.	M10
T 11	2 55 17	13°13'34	4♐29	24°19	27°34	20° 7	15°57	14°30	21°27	17°25	2°14	17°38	17°31	4°14	n.a.	T 11
W12	2 59 13	14°14'46	17° 7	25°52	28°50	20°44	15°56	14°29	21°26	17°27	2°17	17°26	17°28	4°21	n.a.	W12
T 13	3 3 10	15°15'59	29°29	27°26	0♏ 5	21°21	15°55	14°28	21°26	17°29	2°19	17°16	17°25	4°28	n.a.	T 13
F 14	3 7 6	16°17'12	11♑35	28°59	1°21	21°59	15°54	14°27	21°25	17°31	2°21	17°10	17°21	4°34	n.a.	F 14
S 15	3 11 3	17°18'25	23°30	0♐32	2°36	22°36	15°53	14°26	21°24	17°33	2°23	17° 6	17°18	4°41	n.a.	S 15
S 16	3 15 0	18°19'39	5♒19	2° 5	3°52	23°13	15°51	14°25	21°24	17°35	2°26	17° 5	17°15	4°48	n.a.	S 16
M17	3 18 56	19°20'53	17° 6	3°38	5° 7	23°51	15°50	14°24	21°23	17°38	2°28	17° 4	17°12	4°54	n.a.	M17
T 18	3 22 53	20°22'07	28°58	5°10	6°23	24°28	15°48	14°24	21°22	17°40	2°30	17° 4	17° 9	5° 1	n.a.	T 18
W19	3 26 49	21°23'21	10♓59	6°42	7°38	25° 5	15°46	14°23	21°21	17°42	2°33	17° 3	17° 6	5° 8	n.a.	W19
T 20	3 30 46	22°24'35	23°15	8°13	8°54	25°42	15°43	14°23	21°20	17°44	2°35	17° 0	17° 2	5°14	n.a.	T 20
F 21	3 34 42	23°25'49	5♈51	9°43	10° 9	26°20	15°41	14°23	21°19	17°46	2°37	16°54	16°59	5°21	n.a.	F 21
S 22	3 38 39	24°27'04	18°50	11°12	11°25	26°57	15°38	14°23	21°18	17°48	2°39	16°45	16°56	5°27	n.a.	S 22
S 23	3 42 35	25°28'18	2♉13	12°40	12°40	27°34	15°35	14°D23	21°17	17°50	2°42	16°34	16°53	5°34	n.a.	S 23
M24	3 46 32	26°29'33	15°59	14° 7	13°56	28°11	15°32	14°23	21°16	17°52	2°44	16°22	16°50	5°41	n.a.	M24
T 25	3 50 29	27°30'48	0♊ 5	15°32	15°11	28°48	15°29	14°23	21°15	17°54	2°46	16° 9	16°47	5°47	n.a.	T 25
W26	3 54 25	28°32'02	14°26	16°55	16°27	29°26	15°26	14°23	21°14	17°57	2°48	15°58	16°43	5°54	n.a.	W26
T 27	3 58 22	29°33'18	28°55	18°15	17°42	0♎ 3	15°22	14°24	21°12	17°59	2°50	15°49	16°40	6° 1	n.a.	T 27
F 28	4 2 18	0♐34'33	13♋26	19°33	18°58	0°40	15°18	14°24	21°11	18° 1	2°53	15°42	16°37	6° 7	n.a.	F 28
S 29	4 6 15	1°35'48	27°53	20°47	20°13	1°17	15°14	14°25	21°10	18° 3	2°55	15°39	16°34	6°14	n.a.	S 29
S 30	4 10 11	2♐37'04	12♌12	21♐58	21♏29	1♎54	15♋10	14♓26	21♋ 8	18♐ 5	2♏57	15°D38	16♌31	6♒21	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s41	20n 0	2s39	15s42	1s11	4s42	1n23	7n43	1n24	23n19	0n32	8s33	2s43	22n35	0n34	22s16	0n52	0s57	12n 3	15n24	15n37	18s25		n.a.
S 2	13 2	18 39	1 31	16 18	1 17	5 13	1 22	7 28	1 24	23 20	0 32	8 34	2 43	22 35	0 34	22 16	0 52	0 58	12 3	15 25	15 38	18 25		n.a.
M 3	13 23	16 9	0 17	16 53	1 22	5 43	1 20	7 14	1 24	23 20	0 33	8 35	2 42	22 35	0 35	22 16	0 52	0 59	12 3	15 25	15 39	18 24		n.a.
T 4	13 43	12 41	0n57	17 27	1 27	6 14	1 19	6 59	1 24	23 20	0 33	8 35	2 42	22 35	0 35	22 16	0 52	1 0	12 3	15 25	15 40	18 23		n.a.
W 5	14 4	8 32	2 7	18 0	1 32	6 44	1 18	6 44	1 24	23 20	0 33	8 36	2 42	22 35	0 35	22 16	0 52	1 1	12 3	15 25	15 41	18 22		n.a.
T 6	14 24	3 57	3 9	18 32	1 37	7 14	1 16	6 30	1 24	23 20	0 33	8 36	2 42	22 35	0 35	22 17	0 52	1 2	12 3	15 27	15 42	18 22		n.a.
F 7	14 44	0s49	4 0	19 4	1 42	7 44	1 14	6 15	1 24	23 20	0 34	8 37	2 41	22 35	0 35	22 17	0 52	1 2	12 3	15 29	15 43	18 21		n.a.
S 8	15 3	5 29	4 36	19 34	1 46	8 13	1 13	6 0	1 25	23 20	0 34	8 37	2 41	22 35	0 35	22 17	0 52	1 3	12 3	15 33	15 44	18 20		n.a.
S 9	15 23	9 48	4 56	20 4	1 50	8 43	1 11	5 45	1 25	23 21	0 34	8 38	2 41	22 35	0 35	22 17	0 51	1 4	12 3	15 37	15 45	18 19		n.a.
M10	15 42	13 34	5 0	20 32	1 54	9 12	1 10	5 31	1 25	23 21	0 34	8 38	2 41	22 35	0 35	22 17	0 51	1 5	12 3	15 41	15 46	18 19		n.a.
T 11	16 1	16 36	4 48	21 0	1 58	9 41	1 8	5 16	1 25	23 21	0 34	8 38	2 40	22 35	0 35	22 18	0 51	1 6	12 3	15 45	15 47	18 18		n.a.
W12	16 19	18 47	4 22	21 26	2 1	10 10	1 6	5 1	1 25	23 22	0 35	8 39	2 40	22 36	0 35	22 18	0 51	1 6	12 3	15 49	15 48	18 17		n.a.
T 13	16 38	20 1	3 44	21 51	2 4	10 39	1 4	4 46	1 25	23 22	0 35	8 39	2 40	22 36	0 35	22 18	0 51	1 7	12 3	15 52	15 49	18 16		n.a.
F 14	16 55	20 19	2 56	22 15	2 6	11 7	1 2	4 31	1 25	23 22	0 35	8 39	2 40	22 36	0 35	22 18	0 51	1 8	12 3	15 54	15 50	18 16		n.a.
S 15	17 13	19 41	2 1	22 37	2 9	11 35	1 0	4 16	1 25	23 23	0 35	8 39	2 39	22 36	0 35	22 19	0 51	1 9	12 3	15 55	15 51	18 15		n.a.
S 16	17 31	18 11	1 2	22 59	2 10	12 3	0 58	4 1	1 25	23 23	0 36	8 39	2 39	22 36	0 35	22 19	0 51	1 9	12 3	15 55	15 52	18 14		n.a.
M17	17 48	15 55	0s 0	23 19	2 12	12 31	0 56	3 46	1 25	23 23	0 36	8 39	2 39	22 36	0 35	22 19	0 51	1 10	12 3	15 55	15 53	18 13		n.a.
T 18	18 4	12 58	1 3	23 37	2 13	12 58	0 54	3 32	1 25	23 24	0 36	8 39	2 39	22 36	0 35	22 19	0 51	1 11	12 3	15 55	15 54	18 13		n.a.
W19	18 21	9 26	2 3	23 54	2 13	13 25	0 52	3 17	1 25	23 24	0 36	8 39	2 38	22 37	0 35	22 19	0 51	1 12	12 3	15 56	15 55	18 12		n.a.
T 20	18 37	5 27	2 59	24 9	2 13	13 51	0 50	3 2	1 25	23 25	0 37	8 39	2 38	22 37	0 35	22 20	0 51	1 12	12 3	15 57	15 56	18 11		n.a.
F 21	18 52	1 7	3 48	24 23	2 13	14 18	0 48	2 47	1 25	23 25	0 37	8 39	2 38	22 37	0 35	22 20	0 51	1 13	12 3	15 58	15 57	18 10		n.a.
S 22	19 8	3n22	4 26	24 35	2 12	14 43	0 46	2 32	1 25	23 26	0 37	8 39	2 38	22 37	0 35	22 20	0 51	1 14	12 3	16 1	15 58	18 9		n.a.
S 23	19 23	7 50	4 52	24 45	2 10	15 9	0 44	2 17	1 25	23 27	0 37	8 38	2 37	22 37	0 35	22 20	0 51	1 14	12 3	16 4	15 59	18 9		n.a.
M24	19 37	12 2	5 1	24 54	2 7	15 34	0 41	2 2	1 25	23 27	0 37	8 38	2 37	22 38	0 35	22 20	0 51	1 15	12 3	16 8	16 0	18 8		n.a.
T 25	19 52	15 40	4 52	25 0	2 4	15 59	0 39	1 47	1 25	23 28	0 38	8 38	2 37	22 38	0 35	22 21	0 51	1 16	12 3	16 12	16 1	18 7		n.a.
W26	20 6	18 27	4 25	25 5	2 0	16 23	0 37	1 32	1 25	23 28	0 38	8 37	2 37	22 38	0 35	22 21	0 51	1 16	12 4	16 15	16 2	18 6		n.a.
T 27	20 19	20 4	3 41	25 8	1 55	16 47	0 35	1 17	1 25	23 29	0 38	8 37	2 36	22 38	0 35	22 21	0 51	1 17	12 4	16 18	16 3	18 5		n.a.
F 28	20 32	20 23	2 42	25 9	1 49	17 10	0 32	1 2	1 25	23 30	0 38	8 37	2 36	22 38	0 35	22 21	0 51	1 17	12 4	16 20	16 4	18 5		n.a.
S 29	20 45	19 20	1 33	25 8	1 43	17 33	0 30	0 47	1 25	23 30	0 39	8 36	2 36	22 39	0 35	22 22	0 51	1 18	12 4	16 21	16 5	18 4		n.a.
S 30	20s57	17n 4	0s18	25s 5	1s35	17s55	0n28	0n32	1n25	23n31	0n39	8s36	2s35	22n39	0n36	22s22	0n51	1s19	12n 4	16n22	16n 6	18s 3		n.a.

Julian Day Number = 1547137.5, Delta T = 04h33m29s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'46, Lahiri = -10°32'45 Julian Calendar 1 Nov. 478 BCE == Greg. Calendar 27 Oct. 478 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 478 BCE
geocentric

DECEMBER 478 BCE (-477) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 14 8	3♐38'20	26♌21	23♐ 3	22♏44	2♎31	15°R 6	14♓26	21°R 7	18♐ 8	2♏59	15♌38	16♌27	6♒27	n.a.	M 1
T 2	4 18 4	4°39'36	10♍19	24° 4	24° 0	3° 8	15♋ 1	14°27	21♋ 5	18°10	3° 1	15°R38	16°24	6°34	n.a.	T 2
W 3	4 22 1	5°40'52	24° 6	24°58	25°15	3°45	14°57	14°28	21° 4	18°12	3° 3	15°37	16°21	6°41	n.a.	W 3
T 4	4 25 58	6°42'09	7♎42	25°45	26°30	4°22	14°52	14°30	21° 2	18°14	3° 5	15°33	16°18	6°47	n.a.	T 4
F 5	4 29 54	7°43'25	21° 8	26°25	27°46	4°59	14°47	14°31	21° 0	18°16	3° 7	15°26	16°15	6°54	n.a.	F 5
S 6	4 33 51	8°44'41	4♏23	26°55	29° 1	5°36	14°42	14°32	20°59	18°19	3° 9	15°17	16°12	7° 1	n.a.	S 6
S 7	4 37 47	9°45'57	17°26	27°16	0♑17	6°13	14°36	14°34	20°57	18°21	3°11	15° 6	16° 8	7° 7	n.a.	S 7
M 8	4 41 44	10°47'13	0♑18	27°R27	1°32	6°50	14°31	14°36	20°55	18°23	3°13	14°53	16° 5	7°14	n.a.	M 8
T 9	4 45 40	11°48'29	12°56	27°26	2°48	7°26	14°25	14°37	20°53	18°25	3°15	14°41	16° 2	7°20	n.a.	T 9
W10	4 49 37	12°49'44	25°22	27°14	4° 3	8° 3	14°20	14°39	20°52	18°28	3°17	14°30	15°59	7°27	n.a.	W10
T 11	4 53 34	13°50'59	7♉34	26°50	5°19	8°40	14°14	14°41	20°50	18°30	3°19	14°22	15°56	7°34	n.a.	T 11
F 12	4 57 30	14°52'13	19°36	26°14	6°34	9°17	14° 8	14°43	20°48	18°32	3°21	14°16	15°53	7°40	n.a.	F 12
S 13	5 1 27	15°53'26	1♒29	25°27	7°49	9°53	14° 1	14°46	20°46	18°35	3°23	14°13	15°49	7°47	n.a.	S 13
S 14	5 5 23	16°54'39	13°16	24°31	9° 5	10°30	13°55	14°48	20°44	18°37	3°25	14°D12	15°46	7°54	n.a.	S 14
M15	5 9 20	17°55'50	25° 2	23°25	10°20	11° 7	13°49	14°50	20°42	18°39	3°27	14°12	15°43	8° 0	n.a.	M15
T 16	5 13 16	18°57'01	6♓52	22°14	11°36	11°43	13°42	14°53	20°40	18°41	3°29	14°13	15°40	8° 7	n.a.	T 16
W17	5 17 13	19°58'11	18°51	20°58	12°51	12°20	13°35	14°56	20°38	18°44	3°30	14°R14	15°37	8°14	n.a.	W17
T 18	5 21 9	20°59'19	1♈ 5	19°40	14° 6	12°56	13°29	14°58	20°35	18°46	3°32	14°13	15°33	8°20	n.a.	T 18
F 19	5 25 6	22° 0'27	13°38	18°23	15°22	13°33	13°22	15° 1	20°33	18°48	3°34	14°11	15°30	8°27	n.a.	F 19
S 20	5 29 3	23° 1'33	26°36	17° 8	16°37	14° 9	13°15	15° 4	20°31	18°50	3°36	14° 6	15°27	8°34	n.a.	S 20
S 21	5 32 59	24° 2'38	10♉ 0	15°58	17°52	14°46	13° 7	15° 7	20°29	18°53	3°37	13°59	15°24	8°40	n.a.	S 21
M22	5 36 56	25° 3'43	23°53	14°55	19° 8	15°22	13° 0	15°10	20°26	18°55	3°39	13°52	15°21	8°47	n.a.	M22
T 23	5 40 52	26° 4'46	8♊10	13°59	20°23	15°59	12°53	15°14	20°24	18°57	3°41	13°43	15°18	8°54	n.a.	T 23
W24	5 44 49	27° 5'48	22°48	13°12	21°38	16°35	12°46	15°17	20°22	19° 0	3°42	13°36	15°14	9° 0	n.a.	W24
T 25	5 48 45	28° 6'49	7♋40	12°33	22°54	17°11	12°38	15°20	20°20	19° 2	3°44	13°30	15°11	9° 7	n.a.	T 25
F 26	5 52 42	29° 7'50	22°37	12° 4	24° 9	17°47	12°31	15°24	20°17	19° 4	3°45	13°26	15° 8	9°13	n.a.	F 26
S 27	5 56 38	0♉ 8'49	7♌30	11°43	25°24	18°24	12°23	15°28	20°15	19° 6	3°47	13°D24	15° 5	9°20	n.a.	S 27
S 28	6 0 35	1° 9'47	22°13	11°31	26°39	19° 0	12°15	15°31	20°12	19° 9	3°48	13°24	15° 2	9°27	n.a.	S 28
M29	6 4 32	2°10'45	6♍40	11°D28	27°55	19°36	12° 8	15°35	20°10	19°11	3°50	13°25	14°59	9°33	n.a.	M29
T 30	6 8 28	3°11'41	20°48	11°32	29°10	20°12	12° 0	15°39	20° 7	19°13	3°51	13°27	14°55	9°40	n.a.	T 30
W31	6 12 25	4♉12'36	4♎38	11♐43	0♉25	20♎48	11♋52	15♓43	20♋ 5	19♐15	3♏53	13°R27	14♌52	9♒47	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	21s 9	13n47	0n57	25s 0	1s26	18s17	0n25	0n17	1n25	23n32	0n39	8s35	2s35	22n39	0n36	22s22	0n51	1s19	12n 4	16n21	16n 7	18s 2		n.a.
T 2	21 21	9 45	2 7	24 53	1 16	18 39	0 23	0 2	1 25	23 32	0 39	8 34	2 35	22 40	0 36	22 22	0 51	1 20	12 4	16 21	16 7	18 1		n.a.
W 3	21 32	5 16	3 9	24 44	1 5	19 0	0 21	0s13	1 25	23 33	0 39	8 34	2 35	22 40	0 36	22 22	0 51	1 20	12 4	16 22	16 8	18 0		n.a.
T 4	21 43	0 34	4 0	24 33	0 53	19 20	0 18	0 27	1 25	23 34	0 40	8 33	2 34	22 40	0 36	22 23	0 51	1 21	12 4	16 23	16 9	18 0		n.a.
F 5	21 53	4s 5	4 36	24 21	0 39	19 40	0 16	0 42	1 25	23 35	0 40	8 32	2 34	22 40	0 36	22 23	0 51	1 22	12 5	16 25	16 10	17 59		n.a.
S 6	22 3	8 29	4 57	24 7	0 24	19 59	0 13	0 57	1 25	23 36	0 40	8 31	2 34	22 41	0 36	22 23	0 51	1 22	12 5	16 28	16 11	17 58		n.a.
S 7	22 12	12 25	5 3	23 52	0 8	20 18	0 11	1 12	1 25	23 36	0 40	8 30	2 34	22 41	0 36	22 23	0 51	1 23	12 5	16 31	16 12	17 57		n.a.
M 8	22 21	15 43	4 52	23 35	0n 9	20 36	0 9	1 27	1 25	23 37	0 41	8 30	2 33	22 41	0 36	22 23	0 51	1 23	12 5	16 35	16 13	17 56		n.a.
T 9	22 30	18 14	4 27	23 17	0 27	20 53	0 6	1 42	1 25	23 38	0 41	8 29	2 33	22 42	0 36	22 24	0 51	1 24	12 5	16 38	16 14	17 55		n.a.
W10	22 38	19 50	3 50	22 58	0 45	21 10	0 4	1 56	1 25	23 39	0 41	8 28	2 33	22 42	0 36	22 24	0 51	1 24	12 5	16 42	16 15	17 54		n.a.
T 11	22 46	20 29	3 3	22 38	1 5	21 27	0 1	2 11	1 25	23 40	0 41	8 27	2 32	22 42	0 36	22 24	0 51	1 24	12 6	16 44	16 16	17 54		n.a.
F 12	22 53	20 11	2 8	22 18	1 24	21 42	0s 1	2 26	1 25	23 41	0 41	8 26	2 32	22 43	0 36	22 24	0 51	1 25	12 6	16 46	16 17	17 53		n.a.
S 13	23 0	18 59	1 8	21 57	1 43	21 57	0 3	2 40	1 25	23 41	0 42	8 24	2 32	22 43	0 36	22 25	0 51	1 25	12 6	16 47	16 18	17 52		n.a.
S 14	23 6	16 59	0 5	21 36	2 2	22 12	0 6	2 55	1 25	23 42	0 42	8 23	2 32	22 43	0 36	22 25	0 51	1 26	12 6	16 47	16 19	17 51		n.a.
M15	23 12	14 15	0s58	21 15	2 20	22 26	0 8	3 10	1 24	23 43	0 42	8 22	2 31	22 44	0 36	22 25	0 51	1 26	12 6	16 47	16 20	17 50		n.a.
T 16	23 17	10 56	1 59	20 55	2 37	22 39	0 11	3 24	1 24	23 44	0 42	8 21	2 31	22 44	0 36	22 25	0 51	1 27	12 7	16 47	16 21	17 49		n.a.
W17	23 22	7 9	2 55	20 35	2 51	22 51	0 13	3 39	1 24	23 45	0 42	8 20	2 31	22 44	0 36	22 25	0 51	1 27	12 7	16 46	16 22	17 48		n.a.
T 18	23 26	3 0	3 45	20 17	3 4	23 3	0 15	3 53	1 24	23 46	0 43	8 18	2 31	22 45	0 36	22 26	0 51	1 27	12 7	16 47	16 23	17 47		n.a.
F 19	23 30	1n23	4 26	20 1	3 14	23 14	0 18	4 8	1 24	23 47	0 43	8 17	2 30	22 45	0 36	22 26	0 51	1 28	12 7	16 47	16 24	17 47		n.a.
S 20	23 34	5 50	4 54	19 46	3 22	23 24	0 20	4 22	1 24	23 48	0 43	8 16	2 30	22 45	0 36	22 26	0 51	1 28	12 7	16 49	16 25	17 46		n.a.
S 21	23 37	10 9	5 7	19 34	3 27	23 34	0 22	4 36	1 24	23 49	0 43	8 14	2 30	22 46	0 36	22 26	0 51	1 28	12 8	16 51	16 26	17 45		n.a.
M22	23 39	14 5	5 3	19 24	3 30	23 42	0 25	4 51	1 24	23 49	0 43	8 13	2 30	22 46	0 36	22 26	0 51	1 29	12 8	16 53	16 27	17 44		n.a.
T 23	23 42	17 20	4 41	19 17	3 31	23 51	0 27	5 5	1 23	23 50	0 43	8 11	2 29	22 46	0 36	22 27	0 51	1 29	12 8	16 55	16 28	17 43		n.a.
W24	23 43	19 34	3 59	19 12	3 30	23 58	0 29	5 19	1 23	23 51	0 44	8 10	2 29	22 47	0 36	22 27	0 51	1 29	12 8	16 58	16 29	17 42		n.a.
T 25	23 44	20 31	3 1	19 11	3 27	24 5	0 31	5 33	1 23	23 52	0 44	8 8	2 29	22 47	0 36	22 27	0 51	1 30	12 9	16 59	16 29	17 41		n.a.
F 26	23 45	20 1	1 50	19 11	3 22	24 11	0 34	5 48	1 23	23 53	0 44	8 6	2 29	22 48	0 36	22 27	0 51	1 30	12 9	17 0	16 30	17 40		n.a.
S 27	23 45	18 7	0 32	19 14	3 16	24 16	0 36	6 2	1 23	23 54	0 44	8 5	2 28	22 48	0 36	22 27	0 51	1 30	12 9	17 1	16 31	17 39		n.a.
S 28	23 45	15 2	0n48	19 20	3 9	24 20	0 38	6 16	1 23	23 55	0 44	8 3	2 28	22 48	0 36	22 28	0 51	1 31	12 9	17 1	16 32	17 38		n.a.
M29	23 44	11 5	2 3	19 27	3 2	24 24	0 40	6 30	1 22	23 56	0 44	8 1	2 28	22 49	0 36	22 28	0 51	1 31	12 10	17 1	16 33	17 37		n.a.
T 30	23 43	6 35	3 9	19 36	2 53	24 27	0 42	6 44	1 22	23 57	0 45	8 0	2 28	22 49	0 36	22 28	0 51	1 31	12 10	17 0	16 34	17 36		n.a.
W31	23s41	1n51	4n 3	19s47	2n44	24s29	0s44	6s57	1n22	23n57	0n45	7s58	2s27	22n50	0n36	22s28	0n51	1s31	12n10	17n 0	16n35	17s35		n.a.

Julian Day Number = 1547167.5, Delta T = 04h33m27s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'42, Lahiri = -10°32'41 Julian Calendar 1 Dec. 478 BCE == Greg. Calendar 26 Nov. 478 BCE

The year -477 astronomical counting style corresponds to year 478 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

JANUARY 477 BCE (-476) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 16 21	5♉13'31	18♎ 8	12♐ 1	1♉40	21♎24	11°R44	15♓47	20°R 2	19♐17	3♏54	13°R27	14♌49	9♒53	n.a.	T 1
F 2	6 20 18	6°14'24	1♏22	12°25	2°56	22° 0	11♋36	15°51	20♋ 0	19°20	3°56	13♌24	14°46	10° 0	n.a.	F 2
S 3	6 24 14	7°15'17	14°20	12°55	4°11	22°36	11°28	15°56	19°57	19°22	3°57	13°20	14°43	10° 7	n.a.	S 3
S 4	6 28 11	8°16'08	27° 4	13°30	5°26	23°12	11°20	16° 0	19°55	19°24	3°58	13°14	14°39	10°13	n.a.	S 4
M 5	6 32 7	9°16'59	9♐35	14° 9	6°41	23°48	11°12	16° 4	19°52	19°26	4° 0	13° 8	14°36	10°20	n.a.	M 5
T 6	6 36 4	10°17'48	21°55	14°53	7°56	24°23	11° 4	16° 9	19°50	19°28	4° 1	13° 2	14°33	10°27	n.a.	T 6
W 7	6 40 1	11°18'36	4♑ 6	15°41	9°11	24°59	10°56	16°14	19°47	19°30	4° 2	12°56	14°30	10°33	n.a.	W 7
T 8	6 43 57	12°19'22	16° 7	16°33	10°27	25°35	10°48	16°18	19°45	19°33	4° 3	12°52	14°27	10°40	n.a.	T 8
F 9	6 47 54	13°20'07	28° 2	17°28	11°42	26°10	10°41	16°23	19°42	19°35	4° 4	12°49	14°24	10°47	n.a.	F 9
S 10	6 51 50	14°20'50	9♒51	18°25	12°57	26°46	10°33	16°28	19°39	19°37	4° 5	12°D48	14°20	10°53	n.a.	S 10
S 11	6 55 47	15°21'31	21°37	19°26	14°12	27°21	10°25	16°33	19°37	19°39	4° 7	12°48	14°17	11° 0	n.a.	S 11
M12	6 59 43	16°22'11	3♓24	20°29	15°27	27°57	10°17	16°38	19°34	19°41	4° 8	12°50	14°14	11° 6	n.a.	M12
T 13	7 3 40	17°22'49	15°15	21°35	16°42	28°32	10° 9	16°43	19°32	19°43	4° 9	12°51	14°11	11°13	n.a.	T 13
W14	7 7 37	18°23'25	27°14	22°43	17°57	29° 7	10° 1	16°48	19°29	19°45	4°10	12°53	14° 8	11°20	n.a.	W14
T 15	7 11 33	19°23'59	9♈26	23°52	19°12	29°43	9°53	16°54	19°26	19°47	4°11	12°54	14° 5	11°26	n.a.	T 15
F 16	7 15 30	20°24'31	21°56	25° 4	20°27	0♏18	9°45	16°59	19°24	19°49	4°11	12°R55	14° 1	11°33	n.a.	F 16
S 17	7 19 26	21°25'01	4♉47	26°17	21°42	0°53	9°38	17° 5	19°21	19°51	4°12	12°54	13°58	11°40	n.a.	S 17
S 18	7 23 23	22°25'29	18° 5	27°33	22°57	1°28	9°30	17°10	19°18	19°53	4°13	12°53	13°55	11°46	n.a.	S 18
M19	7 27 19	23°25'55	1♊50	28°49	24°12	2° 3	9°23	17°16	19°16	19°55	4°14	12°50	13°52	11°53	n.a.	M19
T 20	7 31 16	24°26'20	16° 3	0♑ 8	25°27	2°38	9°15	17°21	19°13	19°57	4°15	12°48	13°49	12° 0	n.a.	T 20
W21	7 35 12	25°26'42	0♋42	1°27	26°42	3°13	9° 8	17°27	19°11	19°59	4°16	12°45	13°45	12° 6	n.a.	W21
T 22	7 39 9	26°27'02	15°40	2°48	27°57	3°47	9° 0	17°33	19° 8	20° 1	4°16	12°43	13°42	12°13	n.a.	T 22
F 23	7 43 6	27°27'21	0♌49	4°11	29°12	4°22	8°53	17°39	19° 5	20° 3	4°17	12°42	13°39	12°20	n.a.	F 23
S 24	7 47 2	28°27'37	16° 1	5°35	0♒27	4°57	8°46	17°45	19° 3	20° 5	4°18	12°D42	13°36	12°26	n.a.	S 24
S 25	7 50 59	29°27'52	1♍ 5	7° 0	1°42	5°31	8°39	17°51	19° 0	20° 7	4°18	12°43	13°33	12°33	n.a.	S 25
M26	7 54 55	0♒28'05	15°53	8°26	2°57	6° 6	8°32	17°57	18°58	20° 9	4°19	12°43	13°30	12°39	n.a.	M26
T 27	7 58 52	1°28'16	0♎20	9°53	4°12	6°40	8°25	18° 3	18°55	20°10	4°19	12°44	13°26	12°46	n.a.	T 27
W28	8 2 48	2°28'25	14°23	11°22	5°26	7°14	8°18	18° 9	18°53	20°12	4°20	12°45	13°23	12°53	n.a.	W28
T 29	8 6 45	3°28'33	28° 1	12°51	6°41	7°49	8°12	18°15	18°50	20°14	4°20	12°R46	13°20	12°59	n.a.	T 29
F 30	8 10 41	4°28'39	11♏14	14°22	7°56	8°23	8° 5	18°22	18°48	20°16	4°21	12°46	13°17	13° 6	n.a.	F 30
S 31	8 14 38	5♒28'44	24♏ 7	15♑54	9♒11	8♏57	7♋59	18♓28	18♋45	20♐18	4♏21	12♌45	13♌14	13♒13	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23 s39	2 s52	4n42	19 s59	2n34	24 s30	0 s46	7 s11	1n22	23n58	0n45	7 s56	2 s27	22n50	0n36	22 s28	0n51	1 s31	12n10	17n 0	16n36	17 s34		n.a.
F 2	23 36	7 21	5 5	20 12	2 24	24 31	0 48	7 25	1 22	23 59	0 45	7 54	2 27	22 50	0 36	22 28	0 51	1 32	12 11	17 1	16 37	17 34		n.a.
S 3	23 33	11 23	5 11	20 26	2 14	24 31	0 50	7 39	1 21	24 0	0 45	7 52	2 27	22 51	0 36	22 29	0 51	1 32	12 11	17 2	16 38	17 33		n.a.
S 4	23 29	14 51	5 2	20 40	2 4	24 30	0 52	7 52	1 21	24 1	0 45	7 50	2 27	22 51	0 36	22 29	0 51	1 32	12 11	17 4	16 39	17 32		n.a.
M 5	23 25	17 35	4 39	20 55	1 53	24 28	0 54	8 6	1 21	24 2	0 46	7 48	2 26	22 51	0 36	22 29	0 51	1 32	12 12	17 6	16 40	17 31		n.a.
T 6	23 21	19 27	4 3	21 11	1 43	24 26	0 55	8 20	1 21	24 2	0 46	7 46	2 26	22 52	0 36	22 29	0 51	1 32	12 12	17 7	16 41	17 30		n.a.
W 7	23 16	20 25	3 16	21 26	1 32	24 23	0 57	8 33	1 20	24 3	0 46	7 44	2 26	22 52	0 36	22 29	0 51	1 32	12 12	17 9	16 42	17 29		n.a.
T 8	23 10	20 26	2 21	21 42	1 22	24 19	0 59	8 46	1 20	24 4	0 46	7 42	2 26	22 53	0 36	22 30	0 51	1 32	12 12	17 10	16 43	17 28		n.a.
F 9	23 4	19 31	1 20	21 58	1 12	24 14	1 1	9 0	1 20	24 5	0 46	7 40	2 25	22 53	0 36	22 30	0 51	1 33	12 13	17 11	16 44	17 27		n.a.
S 10	22 58	17 45	0 16	22 13	1 2	24 9	1 2	9 13	1 20	24 6	0 46	7 38	2 25	22 53	0 36	22 30	0 51	1 33	12 13	17 11	16 45	17 26		n.a.
S 11	22 51	15 15	0 s48	22 28	0 52	24 2	1 4	9 26	1 19	24 6	0 46	7 36	2 25	22 54	0 36	22 30	0 51	1 33	12 13	17 11	16 45	17 25		n.a.
M12	22 44	12 7	1 51	22 43	0 42	23 56	1 5	9 39	1 19	24 7	0 46	7 34	2 25	22 54	0 36	22 30	0 51	1 33	12 14	17 11	16 46	17 24		n.a.
T 13	22 36	8 29	2 49	22 57	0 32	23 48	1 7	9 52	1 19	24 8	0 47	7 31	2 25	22 55	0 37	22 30	0 51	1 33	12 14	17 10	16 47	17 23		n.a.
W14	22 28	4 29	3 41	23 10	0 23	23 39	1 8	10 5	1 18	24 9	0 47	7 29	2 24	22 55	0 37	22 30	0 51	1 33	12 14	17 10	16 48	17 22		n.a.
T 15	22 20	0 15	4 24	23 23	0 13	23 30	1 10	10 18	1 18	24 9	0 47	7 27	2 24	22 55	0 37	22 31	0 51	1 33	12 15	17 9	16 49	17 21		n.a.
F 16	22 11	4n 5	4 55	23 35	0 4	23 21	1 11	10 31	1 18	24 10	0 47	7 25	2 24	22 56	0 37	22 31	0 51	1 33	12 15	17 9	16 50	17 20		n.a.
S 17	22 1	8 23	5 13	23 46	0 s 5	23 10	1 12	10 44	1 17	24 11	0 47	7 22	2 24	22 56	0 37	22 31	0 51	1 33	12 15	17 10	16 51	17 19		n.a.
S 18	21 51	12 24	5 15	23 57	0 13	22 59	1 14	10 56	1 17	24 11	0 47	7 20	2 24	22 57	0 37	22 31	0 51	1 33	12 16	17 10	16 52	17 18		n.a.
M19	21 41	15 55	4 59	24 6	0 21	22 47	1 15	11 9	1 17	24 12	0 47	7 17	2 23	22 57	0 37	22 31	0 51	1 33	12 16	17 11	16 53	17 17		n.a.
T 20	21 31	18 37	4 25	24 15	0 29	22 34	1 16	11 21	1 16	24 13	0 47	7 15	2 23	22 57	0 37	22 31	0 51	1 33	12 16	17 11	16 54	17 16		n.a.
W21	21 20	20 13	3 32	24 22	0 37	22 21	1 17	11 34	1 16	24 13	0 47	7 13	2 23	22 58	0 37	22 32	0 51	1 33	12 17	17 12	16 55	17 15		n.a.
T 22	21 8	20 26	2 24	24 28	0 45	22 7	1 18	11 46	1 15	24 14	0 47	7 10	2 23	22 58	0 37	22 32	0 51	1 33	12 17	17 13	16 56	17 14		n.a.
F 23	20 56	19 10	1 5	24 33	0 52	21 52	1 19	11 58	1 15	24 14	0 47	7 8	2 23	22 58	0 37	22 32	0 51	1 32	12 17	17 13	16 57	17 13		n.a.
S 24	20 44	16 32	0n18	24 37	0 59	21 37	1 20	12 10	1 14	24 15	0 48	7 5	2 23	22 59	0 37	22 32	0 51	1 32	12 18	17 13	16 58	17 12		n.a.
S 25	20 32	12 47	1 40	24 39	1 6	21 21	1 21	12 22	1 14	24 15	0 48	7 3	2 22	22 59	0 37	22 32	0 51	1 32	12 18	17 13	16 58	17 10		n.a.
M26	20 19	8 18	2 54	24 41	1 12	21 4	1 21	12 34	1 13	24 16	0 48	7 0	2 22	23 0	0 37	22 32	0 51	1 32	12 18	17 13	16 59	17 9		n.a.
T 27	20 5	3 27	3 55	24 40	1 18	20 47	1 22	12 46	1 13	24 16	0 48	6 58	2 22	23 0	0 37	22 32	0 51	1 32	12 19	17 12	17 0	17 8		n.a.
W28	19 52	1 s27	4 40	24 39	1 24	20 30	1 23	12 58	1 13	24 17	0 48	6 55	2 22	23 0	0 37	22 32	0 51	1 32	12 19	17 12	17 1	17 7		n.a.
T 29	19 38	6 7	5 7	24 36	1 29	20 11	1 23	13 10	1 12	24 17	0 48	6 52	2 22	23 1	0 37	22 33	0 51	1 32	12 19	17 12	17 2	17 6		n.a.
F 30	19 23	10 22	5 18	24 32	1 34	19 52	1 24	13 21	1 11	24 18	0 48	6 50	2 22	23 1	0 37	22 33	0 51	1 32	12 20	17 12	17 3	17 5		n.a.
S 31	19 s 9	14 s 1	5n12	24 s26	1 s39	19 s33	1 s24	13 s33	1n11	24n18	0n48	6 s47	2 s21	23n 1	0n37	22 s33	0n51	1 s31	12n20	17n12	17n 4	17 s 4		n.a.

Julian Day Number = 1547198.5, Delta T = 04h33m26s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'37, Lahiri = -10°32'37 Julian Calendar 1 Jan. 477 BCE == Greg. Calendar 27 Dec. 478 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

FEBRUARY 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 18 34	6♒28'47	6♐41	17♉27	10♒26	9♏31	7°R53	18♓34	18°R43	20♐19	4♏22	12°R45	13♌10	13♒19	n.a.	S 1
M 2	8 22 31	7°28'48	19° 0	19° 1	11°40	10° 5	7♋46	18°41	18♋40	20°21	4°22	12♌44	13° 7	13°26	n.a.	M 2
T 3	8 26 28	8°28'47	1♉ 7	20°37	12°55	10°39	7°40	18°47	18°38	20°23	4°22	12°43	13° 4	13°33	n.a.	T 3
W 4	8 30 24	9°28'45	13° 5	22°13	14°10	11°12	7°35	18°54	18°35	20°24	4°23	12°43	13° 1	13°39	n.a.	W 4
T 5	8 34 21	10°28'40	24°58	23°51	15°25	11°46	7°29	19° 1	18°33	20°26	4°23	12°43	12°58	13°46	n.a.	T 5
F 6	8 38 17	11°28'33	6♒46	25°29	16°39	12°19	7°23	19° 7	18°31	20°28	4°23	12°42	12°55	13°53	n.a.	F 6
S 7	8 42 14	12°28'25	18°33	27° 9	17°54	12°53	7°18	19°14	18°28	20°29	4°23	12°42	12°51	13°59	n.a.	S 7
S 8	8 46 10	13°28'14	0♓21	28°50	19° 9	13°26	7°13	19°21	18°26	20°31	4°23	12°42	12°48	14° 6	n.a.	S 8
M 9	8 50 7	14°28'01	12°12	0♒32	20°23	13°59	7° 8	19°28	18°24	20°32	4°24	12°42	12°45	14°13	n.a.	M 9
T 10	8 54 3	15°27'46	24° 8	2°16	21°38	14°32	7° 3	19°34	18°21	20°34	4°24	12°42	12°42	14°19	n.a.	T 10
W11	8 58 0	16°27'28	6♈12	4° 0	22°53	15° 5	6°58	19°41	18°19	20°35	4°R24	12°42	12°39	14°26	n.a.	W11
T 12	9 1 57	17°27'08	18°28	5°46	24° 7	15°38	6°53	19°48	18°17	20°37	4°24	12°41	12°36	14°32	n.a.	T 12
F 13	9 5 53	18°26'46	0♉58	7°33	25°22	16°11	6°49	19°55	18°15	20°38	4°24	12°41	12°32	14°39	n.a.	F 13
S 14	9 9 50	19°26'22	13°47	9°21	26°36	16°43	6°44	20° 2	18°13	20°40	4°23	12°D40	12°29	14°46	n.a.	S 14
S 15	9 13 46	20°25'55	26°58	11°11	27°51	17°16	6°40	20° 9	18°11	20°41	4°23	12°40	12°26	14°52	n.a.	S 15
M16	9 17 43	21°25'25	10♊32	13° 1	29° 5	17°48	6°36	20°17	18° 8	20°42	4°23	12°41	12°23	14°59	n.a.	M16
T 17	9 21 39	22°24'54	24°32	14°53	0♓20	18°20	6°33	20°24	18° 6	20°44	4°23	12°41	12°20	15° 6	n.a.	T 17
W18	9 25 36	23°24'19	8♋58	16°46	1°34	18°52	6°29	20°31	18° 4	20°45	4°23	12°42	12°16	15°12	n.a.	W18
T 19	9 29 32	24°23'43	23°45	18°40	2°49	19°24	6°26	20°38	18° 2	20°46	4°23	12°43	12°13	15°19	n.a.	T 19
F 20	9 33 29	25°23'04	8♌49	20°36	4° 3	19°56	6°22	20°46	18° 1	20°47	4°22	12°R44	12°10	15°26	n.a.	F 20
S 21	9 37 26	26°22'23	24° 1	22°33	5°17	20°28	6°19	20°53	17°59	20°49	4°22	12°43	12° 7	15°32	n.a.	S 21
S 22	9 41 22	27°21'39	9♍12	24°31	6°32	20°59	6°16	21° 0	17°57	20°50	4°22	12°42	12° 4	15°39	n.a.	S 22
M23	9 45 19	28°20'54	24°13	26°30	7°46	21°31	6°14	21° 8	17°55	20°51	4°21	12°41	12° 1	15°46	n.a.	M23
T 24	9 49 15	29°20'06	8♎54	28°30	9° 0	22° 2	6°11	21°15	17°53	20°52	4°21	12°39	11°57	15°52	n.a.	T 24
W25	9 53 12	0♓19'16	23°11	0♓31	10°15	22°33	6° 9	21°22	17°51	20°53	4°21	12°37	11°54	15°59	n.a.	W25
T 26	9 57 8	1°18'25	7♏ 0	2°33	11°29	23° 4	6° 7	21°30	17°50	20°54	4°20	12°35	11°51	16° 5	n.a.	T 26
F 27	10 1 5	2°17'32	20°21	4°35	12°43	23°35	6° 5	21°37	17°48	20°55	4°20	12°33	11°48	16°12	n.a.	F 27
S 28	10 5 1	3°16'36	3♐17	6°38	13°58	24° 6	6° 3	21°45	17°47	20°56	4°19	12°D33	11°45	16°19	n.a.	S 28
S 29	10 8 58	4♓15'39	15♐50	8♓42	15♓12	24♏36	6♋ 2	21♓52	17♋45	20♐57	4♏18	12♌33	11♌42	16♒25	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s54	16s56	4n51	24s18	1s44	19s13	1s25	13s44	1n10	24n19	0n48	6s44	2s21	23n 2	0n37	22s33	0n51	1s31	12n20	17n12	17n 5	17s 3		n.a.
M 2	18 38	19 2	4 17	24 9	1 48	18 52	1 25	13 56	1 10	24 19	0 48	6 42	2 21	23 2	0 37	22 33	0 51	1 31	12 21	17 12	17 6	17 2		n.a.
T 3	18 23	20 13	3 31	23 59	1 51	18 31	1 25	14 7	1 9	24 20	0 48	6 39	2 21	23 2	0 37	22 33	0 51	1 31	12 21	17 13	17 7	17 1		n.a.
W 4	18 7	20 29	2 37	23 47	1 55	18 9	1 26	14 18	1 9	24 20	0 48	6 36	2 21	23 3	0 37	22 33	0 51	1 30	12 21	17 13	17 8	17 0		n.a.
T 5	17 50	19 49	1 37	23 33	1 58	17 47	1 26	14 29	1 8	24 20	0 48	6 33	2 21	23 3	0 37	22 33	0 51	1 30	12 22	17 13	17 9	16 59		n.a.
F 6	17 34	18 17	0 33	23 17	2 0	17 25	1 26	14 40	1 7	24 21	0 48	6 31	2 21	23 3	0 37	22 34	0 51	1 30	12 22	17 13	17 9	16 58		n.a.
S 7	17 17	15 59	0s32	23 0	2 2	17 2	1 26	14 51	1 7	24 21	0 48	6 28	2 20	23 4	0 37	22 34	0 51	1 30	12 22	17 13	17 10	16 57		n.a.
S 8	17 0	13 0	1 37	22 41	2 4	16 38	1 26	15 2	1 6	24 21	0 48	6 25	2 20	23 4	0 37	22 34	0 51	1 29	12 23	17 13	17 11	16 55		n.a.
M 9	16 42	9 29	2 37	22 20	2 5	16 14	1 26	15 12	1 5	24 22	0 48	6 22	2 20	23 4	0 37	22 34	0 51	1 29	12 23	17 13	17 12	16 54		n.a.
T 10	16 25	5 35	3 31	21 58	2 6	15 50	1 26	15 23	1 5	24 22	0 48	6 19	2 20	23 5	0 37	22 34	0 51	1 29	12 23	17 13	17 13	16 53		n.a.
W11	16 7	1 25	4 16	21 33	2 7	15 25	1 25	15 33	1 4	24 22	0 48	6 16	2 20	23 5	0 37	22 34	0 51	1 29	12 24	17 13	17 14	16 52		n.a.
T 12	15 48	2n52	4 50	21 7	2 7	14 59	1 25	15 44	1 3	24 22	0 48	6 14	2 20	23 5	0 36	22 34	0 51	1 28	12 24	17 13	17 15	16 51		n.a.
F 13	15 30	7 6	5 11	20 39	2 6	14 34	1 25	15 54	1 3	24 23	0 48	6 11	2 20	23 6	0 36	22 34	0 51	1 28	12 24	17 13	17 16	16 50		n.a.
S 14	15 11	11 8	5 18	20 9	2 5	14 8	1 24	16 4	1 2	24 23	0 48	6 8	2 20	23 6	0 36	22 34	0 51	1 28	12 25	17 14	17 17	16 49		n.a.
S 15	14 52	14 44	5 8	19 38	2 4	13 41	1 24	16 14	1 1	24 23	0 48	6 5	2 19	23 6	0 36	22 34	0 51	1 27	12 25	17 14	17 18	16 48		n.a.
M16	14 33	17 41	4 41	19 4	2 2	13 14	1 23	16 24	1 0	24 23	0 48	6 2	2 19	23 6	0 36	22 34	0 51	1 27	12 25	17 13	17 19	16 47		n.a.
T 17	14 13	19 41	3 57	18 29	1 59	12 47	1 23	16 34	0 59	24 24	0 48	5 59	2 19	23 7	0 36	22 35	0 51	1 27	12 26	17 13	17 19	16 45		n.a.
W18	13 54	20 30	2 57	17 51	1 56	12 20	1 22	16 43	0 58	24 24	0 48	5 56	2 19	23 7	0 36	22 35	0 51	1 26	12 26	17 13	17 20	16 44		n.a.
T 19	13 34	19 56	1 43	17 12	1 53	11 52	1 21	16 53	0 58	24 24	0 48	5 53	2 19	23 7	0 36	22 35	0 51	1 26	12 26	17 13	17 21	16 43		n.a.
F 20	13 14	17 56	0 22	16 31	1 48	11 24	1 20	17 3	0 57	24 24	0 48	5 50	2 19	23 7	0 36	22 35	0 51	1 25	12 27	17 13	17 22	16 42		n.a.
S 21	12 53	14 40	1n 2	15 49	1 44	10 55	1 20	17 12	0 56	24 24	0 48	5 47	2 19	23 8	0 36	22 35	0 51	1 25	12 27	17 13	17 23	16 41		n.a.
S 22	12 33	10 24	2 22	15 4	1 39	10 27	1 19	17 21	0 55	24 24	0 48	5 44	2 19	23 8	0 36	22 35	0 51	1 25	12 27	17 13	17 24	16 40		n.a.
M23	12 12	5 32	3 30	14 18	1 33	9 58	1 18	17 31	0 54	24 24	0 48	5 41	2 19	23 8	0 36	22 35	0 51	1 24	12 27	17 13	17 25	16 39		n.a.
T 24	11 51	0 27	4 23	13 30	1 26	9 29	1 17	17 40	0 53	24 25	0 48	5 38	2 19	23 8	0 36	22 35	0 51	1 24	12 28	17 14	17 26	16 37		n.a.
W25	11 30	4s30	4 58	12 40	1 20	8 59	1 16	17 49	0 52	24 25	0 48	5 35	2 19	23 9	0 36	22 35	0 51	1 23	12 28	17 15	17 27	16 36		n.a.
T 26	11 9	9 4	5 15	11 49	1 12	8 30	1 14	17 58	0 51	24 25	0 48	5 32	2 18	23 9	0 36	22 35	0 51	1 23	12 28	17 15	17 28	16 35		n.a.
F 27	10 48	13 2	5 13	10 57	1 4	8 0	1 13	18 6	0 50	24 25	0 48	5 29	2 18	23 9	0 36	22 35	0 51	1 22	12 29	17 16	17 28	16 34		n.a.
S 28	10 26	16 15	4 56	10 3	0 55	7 30	1 12	18 15	0 49	24 25	0 48	5 26	2 18	23 9	0 36	22 35	0 51	1 22	12 29	17 16	17 29	16 33		n.a.
S 29	10s 4	18s36	4n25	9s 8	0s46	6s59	1s11	18s24	0n48	24n25	0n48	5s23	2s18	23n 9	0n36	22s35	0n51	1s22	12n29	17n16	17n30	16s31		n.a.

Julian Day Number = 1547229.5, Delta T = 04h33m25s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'33, Lahiri = -10°32'33 Julian Calendar 1 Feb. 477 BCE == Greg. Calendar 27 Jan. 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

MARCH 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 12 54	5♓14'40	28♐ 5	10♓46	16♓26	25♏ 6	6°R 0	22♓ 0	17°R43	20♐58	4°R18	12♌34	11♌38	16♒32	n.a.	M 1
T 2	10 16 51	6°13'40	10♑ 6	12°50	17°40	25°36	5♋59	22° 7	17♋42	20°59	4♏17	12°36	11°35	16°39	n.a.	T 2
W 3	10 20 48	7°12'37	21°59	14°53	18°54	26° 6	5°58	22°15	17°40	21° 0	4°17	12°38	11°32	16°45	n.a.	W 3
T 4	10 24 44	8°11'32	3♒46	16°56	20° 8	26°36	5°57	22°23	17°39	21° 1	4°16	12°39	11°29	16°52	n.a.	T 4
F 5	10 28 41	9°10'26	15°32	18°58	21°23	27° 6	5°57	22°30	17°38	21° 1	4°15	12°R39	11°26	16°59	n.a.	F 5
S 6	10 32 37	10° 9'17	27°20	20°58	22°37	27°35	5°56	22°38	17°36	21° 2	4°14	12°38	11°22	17° 5	n.a.	S 6
S 7	10 36 34	11° 8'06	9♓12	22°57	23°51	28° 4	5°56	22°46	17°35	21° 3	4°14	12°36	11°19	17°12	n.a.	S 7
M 8	10 40 30	12° 6'53	21°10	24°54	25° 5	28°33	5°D56	22°53	17°34	21° 4	4°13	12°32	11°16	17°19	n.a.	M 8
T 9	10 44 27	13° 5'38	3♈16	26°48	26°19	29° 2	5°56	23° 1	17°33	21° 4	4°12	12°27	11°13	17°25	n.a.	T 9
W10	10 48 23	14° 4'21	15°32	28°40	27°33	29°30	5°56	23° 9	17°32	21° 5	4°11	12°22	11°10	17°32	n.a.	W10
T 11	10 52 20	15° 3'02	27°59	0♈29	28°47	29°59	5°57	23°16	17°31	21° 6	4°10	12°16	11° 7	17°39	n.a.	T 11
F 12	10 56 16	16° 1'40	10♉39	2°14	0♈ 1	0♐27	5°58	23°24	17°30	21° 6	4° 9	12°11	11° 3	17°45	n.a.	F 12
S 13	11 0 13	17° 0'16	23°33	3°56	1°15	0°54	5°58	23°32	17°29	21° 7	4° 8	12° 8	11° 0	17°52	n.a.	S 13
S 14	11 4 10	17°58'50	6♊44	5°33	2°28	1°22	6° 0	23°40	17°28	21° 7	4° 7	12° 5	10°57	17°58	n.a.	S 14
M15	11 8 6	18°57'22	20°13	7° 7	3°42	1°49	6° 1	23°47	17°27	21° 8	4° 6	12°D 5	10°54	18° 5	n.a.	M15
T 16	11 12 3	19°55'51	4♋ 2	8°36	4°56	2°16	6° 2	23°55	17°26	21° 8	4° 5	12° 6	10°51	18°12	n.a.	T 16
W17	11 15 59	20°54'18	18°12	10° 1	6°10	2°43	6° 4	24° 3	17°25	21° 9	4° 4	12° 7	10°47	18°18	n.a.	W17
T 18	11 19 56	21°52'43	2♌41	11°21	7°24	3°10	6° 6	24°11	17°25	21° 9	4° 3	12° 8	10°44	18°25	n.a.	T 18
F 19	11 23 52	22°51'05	17°26	12°35	8°37	3°36	6° 8	24°19	17°24	21° 9	4° 2	12°R 8	10°41	18°32	n.a.	F 19
S 20	11 27 49	23°49'25	2♍23	13°45	9°51	4° 2	6°10	24°26	17°23	21°10	4° 1	12° 7	10°38	18°38	n.a.	S 20
S 21	11 31 45	24°47'44	17°23	14°50	11° 5	4°28	6°12	24°34	17°23	21°10	4° 0	12° 3	10°35	18°45	n.a.	S 21
M22	11 35 42	25°46'00	2♎19	15°50	12°18	4°53	6°15	24°42	17°22	21°10	3°59	11°58	10°32	18°52	n.a.	M22
T 23	11 39 39	26°44'14	17° 1	16°44	13°32	5°19	6°17	24°50	17°22	21°10	3°58	11°51	10°28	18°58	n.a.	T 23
W24	11 43 35	27°42'26	1♏22	17°33	14°46	5°44	6°20	24°57	17°22	21°11	3°56	11°44	10°25	19° 5	n.a.	W24
T 25	11 47 32	28°40'37	15°17	18°17	15°59	6° 8	6°23	25° 5	17°21	21°11	3°55	11°38	10°22	19°12	n.a.	T 25
F 26	11 51 28	29°38'46	28°45	18°55	17°13	6°32	6°27	25°13	17°21	21°11	3°54	11°32	10°19	19°18	n.a.	F 26
S 27	11 55 25	0♈36'54	11♐45	19°27	18°26	6°56	6°30	25°21	17°21	21°11	3°53	11°28	10°16	19°25	n.a.	S 27
S 28	11 59 21	1°35'00	24°22	19°54	19°40	7°20	6°34	25°29	17°20	21°11	3°51	11°26	10°13	19°32	n.a.	S 28
M29	12 3 18	2°33'05	6♑38	20°15	20°53	7°43	6°37	25°36	17°20	21°R11	3°50	11°D26	10° 9	19°38	n.a.	M29
T 30	12 7 14	3°31'08	18°39	20°31	22° 7	8° 6	6°41	25°44	17°20	21°11	3°49	11°27	10° 6	19°45	n.a.	T 30
W31	12 11 11	4♈29'10	0♒31	20♈42	23♈20	8♐29	6♋45	25♓52	17°D20	21♐11	3♏47	11♌28	10♌ 3	19♒51	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	9s43	20s 2	3n42	8s11	0s37	6s29	1s 9	18s32	0n47	24n25	0n48	5s20	2s18	23n10	0n36	22s35	0n51	1s21	12n30	17n15	17n31	16s30			n.a.
T 2	9 21	20 32	2 50	7 14	0 27	5 58	1 8	18 41	0 45	24 25	0 48	5 16	2 18	23 10	0 36	22 35	0 51	1 21	12 30	17 15	17 32	16 29			n.a.
W 3	8 59	20 6	1 52	6 17	0 16	5 28	1 6	18 49	0 44	24 25	0 48	5 13	2 18	23 10	0 36	22 35	0 51	1 20	12 30	17 14	17 33	16 28			n.a.
T 4	8 36	18 46	0 49	5 18	0 5	4 57	1 5	18 57	0 43	24 25	0 48	5 10	2 18	23 10	0 36	22 35	0 51	1 20	12 30	17 14	17 34	16 27			n.a.
F 5	8 14	16 38	0s16	4 20	0n 6	4 26	1 3	19 5	0 42	24 25	0 48	5 7	2 18	23 10	0 36	22 36	0 51	1 19	12 31	17 14	17 35	16 26			n.a.
S 6	7 52	13 48	1 20	3 22	0 17	3 55	1 2	19 13	0 41	24 25	0 48	5 4	2 18	23 10	0 36	22 36	0 51	1 19	12 31	17 14	17 36	16 24			n.a.
S 7	7 29	10 24	2 21	2 24	0 29	3 23	1 0	19 21	0 39	24 25	0 48	5 1	2 18	23 11	0 36	22 36	0 51	1 18	12 31	17 15	17 36	16 23			n.a.
M 8	7 6	6 32	3 16	1 26	0 41	2 52	0 58	19 29	0 38	24 25	0 48	4 58	2 18	23 11	0 36	22 36	0 51	1 18	12 31	17 16	17 37	16 22			n.a.
T 9	6 44	2 23	4 3	0 29	0 52	2 21	0 56	19 36	0 37	24 25	0 48	4 55	2 18	23 11	0 36	22 36	0 51	1 17	12 32	17 17	17 38	16 21			n.a.
W10	6 21	1n55	4 39	0n26	1 4	1 49	0 54	19 44	0 35	24 25	0 48	4 52	2 18	23 11	0 36	22 36	0 51	1 17	12 32	17 19	17 39	16 19			n.a.
T 11	5 58	6 11	5 3	1 21	1 16	1 18	0 53	19 51	0 34	24 25	0 48	4 48	2 18	23 11	0 36	22 36	0 51	1 16	12 32	17 20	17 40	16 18			n.a.
F 12	5 35	10 16	5 12	2 13	1 27	0 46	0 51	19 59	0 32	24 25	0 48	4 45	2 18	23 11	0 36	22 36	0 51	1 16	12 32	17 22	17 41	16 17			n.a.
S 13	5 12	13 58	5 6	3 4	1 38	0 14	0 49	20 6	0 31	24 25	0 48	4 42	2 18	23 11	0 36	22 36	0 51	1 15	12 33	17 23	17 42	16 16			n.a.
S 14	4 49	17 3	4 44	3 53	1 48	0n17	0 47	20 13	0 29	24 25	0 48	4 39	2 18	23 11	0 36	22 36	0 51	1 14	12 33	17 23	17 43	16 15			n.a.
M15	4 26	19 18	4 6	4 40	1 59	0 49	0 44	20 20	0 28	24 25	0 48	4 36	2 18	23 11	0 36	22 36	0 51	1 14	12 33	17 24	17 43	16 13			n.a.
T 16	4 2	20 29	3 13	5 25	2 8	1 20	0 42	20 27	0 26	24 24	0 48	4 33	2 18	23 12	0 36	22 36	0 51	1 13	12 33	17 23	17 44	16 12			n.a.
W17	3 39	20 24	2 7	6 7	2 17	1 52	0 40	20 34	0 25	24 24	0 48	4 30	2 18	23 12	0 36	22 36	0 51	1 13	12 34	17 23	17 45	16 11			n.a.
T 18	3 16	18 59	0 51	6 46	2 26	2 23	0 38	20 41	0 23	24 24	0 48	4 27	2 18	23 12	0 36	22 36	0 51	1 12	12 34	17 23	17 46	16 10			n.a.
F 19	2 52	16 16	0n29	7 23	2 33	2 55	0 36	20 48	0 21	24 24	0 48	4 23	2 18	23 12	0 36	22 36	0 51	1 12	12 34	17 23	17 47	16 8			n.a.
S 20	2 29	12 26	1 48	7 57	2 40	3 26	0 34	20 54	0 20	24 24	0 48	4 20	2 18	23 12	0 36	22 36	0 51	1 11	12 34	17 23	17 48	16 7			n.a.
S 21	2 6	7 48	3 0	8 28	2 46	3 58	0 31	21 1	0 18	24 24	0 48	4 17	2 18	23 12	0 36	22 36	0 51	1 11	12 34	17 24	17 49	16 6			n.a.
M22	1 42	2 42	3 58	8 56	2 51	4 29	0 29	21 7	0 16	24 24	0 48	4 14	2 18	23 12	0 36	22 36	0 51	1 10	12 35	17 26	17 50	16 5			n.a.
T 23	1 19	2s27	4 41	9 21	2 55	5 0	0 27	21 14	0 14	24 24	0 48	4 11	2 18	23 12	0 36	22 36	0 52	1 10	12 35	17 27	17 51	16 3			n.a.
W24	0 55	7 21	5 4	9 43	2 59	5 31	0 24	21 20	0 12	24 23	0 48	4 8	2 18	23 12	0 36	22 36	0 52	1 9	12 35	17 29	17 51	16 2			n.a.
T 25	0 32	11 43	5 8	10 2	3 1	6 2	0 22	21 26	0 11	24 23	0 48	4 5	2 18	23 12	0 36	22 36	0 52	1 8	12 35	17 31	17 52	16 1			n.a.
F 26	0 9	15 20	4 55	10 18	3 2	6 33	0 19	21 33	0 9	24 23	0 47	4 2	2 18	23 12	0 36	22 36	0 52	1 8	12 35	17 33	17 53	15 59			n.a.
S 27	0n15	18 5	4 27	10 30	3 2	7 4	0 17	21 39	0 7	24 23	0 47	3 59	2 18	23 12	0 36	22 36	0 52	1 7	12 36	17 34	17 54	15 58			n.a.
S 28	0 38	19 51	3 47	10 39	3 1	7 34	0 14	21 45	0 5	24 23	0 47	3 55	2 18	23 12	0 36	22 36	0 52	1 7	12 36	17 34	17 55	15 57			n.a.
M29	1 2	20 38	2 57	10 46	2 58	8 4	0 12	21 50	0 2	24 22	0 47	3 52	2 18	23 12	0 36	22 36	0 52	1 6	12 36	17 34	17 56	15 56			n.a.
T 30	1 25	20 27	2 0	10 48	2 55	8 34	0 9	21 56	0 0	24 22	0 47	3 49	2 18	23 12	0 36	22 36	0 52	1 6	12 36	17 34	17 57	15 54			n.a.
W31	1n48	19s21	0n59	10n48	2n50	9n 4	0s 7	22s 2	0s 2	24n22	0n47	3s46	2s18	23n12	0n36	22s36	0n52	1s 5	12n36	17n34	17n57	15s53			n.a.

Julian Day Number = 1547258.5, Delta T = 04h33m24s
Ecliptic obliquity = 23°45'05, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'29, Lahiri = -10°32'29 Julian Calendar 1 March 477 BCE == Greg. Calendar 25 Feb. 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

APRIL 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 15 7	5♈27'10	12♒17	20°R47	24♈33	8♐51	6♋50	25♓59	17♋20	21°R11	3°R46	11°R29	10♌ 0	19♒58	n.a.	T 1
F 2	12 19 4	6°25'08	24° 4	20♈46	25°47	9°13	6°54	26° 7	17°20	21♐11	3♏44	11♌28	9°57	20° 5	n.a.	F 2
S 3	12 23 1	7°23'05	5♓55	20°41	27° 0	9°34	6°58	26°15	17°21	21°11	3°43	11°25	9°53	20°11	n.a.	S 3
S 4	12 26 57	8°21'01	17°53	20°31	28°13	9°55	7° 3	26°23	17°21	21°11	3°42	11°19	9°50	20°18	n.a.	S 4
M 5	12 30 54	9°18'54	0♈ 2	20°16	29°27	10°16	7° 8	26°30	17°21	21°10	3°40	11°12	9°47	20°25	n.a.	M 5
T 6	12 34 50	10°16'47	12°21	19°57	0♉40	10°36	7°13	26°38	17°21	21°10	3°39	11° 2	9°44	20°31	n.a.	T 6
W 7	12 38 47	11°14'37	24°53	19°34	1°53	10°56	7°18	26°46	17°22	21°10	3°37	10°51	9°41	20°38	n.a.	W 7
T 8	12 42 43	12°12'26	7♉38	19° 8	3° 6	11°15	7°24	26°53	17°22	21°10	3°36	10°40	9°38	20°45	n.a.	T 8
F 9	12 46 40	13°10'14	20°34	18°39	4°20	11°34	7°29	27° 1	17°22	21° 9	3°34	10°31	9°34	20°51	n.a.	F 9
S 10	12 50 36	14° 8'00	3♊44	18° 7	5°33	11°53	7°35	27° 8	17°23	21° 9	3°33	10°23	9°31	20°58	n.a.	S 10
S 11	12 54 33	15° 5'44	17° 5	17°33	6°46	12°11	7°41	27°16	17°24	21° 9	3°31	10°17	9°28	21° 5	n.a.	S 11
M12	12 58 30	16° 3'26	0♋39	16°59	7°59	12°28	7°47	27°23	17°24	21° 8	3°30	10°14	9°25	21°11	n.a.	M12
T 13	13 2 26	17° 1'07	14°26	16°23	9°12	12°45	7°53	27°31	17°25	21° 8	3°28	10°D13	9°22	21°18	n.a.	T 13
W14	13 6 23	17°58'46	28°26	15°47	10°25	13° 2	7°59	27°38	17°26	21° 7	3°27	10°13	9°18	21°25	n.a.	W14
T 15	13 10 19	18°56'23	12♌40	15°13	11°38	13°18	8° 5	27°46	17°26	21° 7	3°25	10°R14	9°15	21°31	n.a.	T 15
F 16	13 14 16	19°53'58	27° 5	14°39	12°51	13°33	8°12	27°53	17°27	21° 6	3°23	10°13	9°12	21°38	n.a.	F 16
S 17	13 18 12	20°51'32	11♍39	14° 7	14° 4	13°48	8°18	28° 1	17°28	21° 6	3°22	10°10	9° 9	21°44	n.a.	S 17
S 18	13 22 9	21°49'04	26°17	13°37	15°17	14° 2	8°25	28° 8	17°29	21° 5	3°20	10° 4	9° 6	21°51	n.a.	S 18
M19	13 26 5	22°46'35	10♎53	13°10	16°29	14°16	8°32	28°15	17°30	21° 4	3°19	9°56	9° 3	21°58	n.a.	M19
T 20	13 30 2	23°44'04	25°20	12°47	17°42	14°30	8°39	28°23	17°31	21° 4	3°17	9°45	8°59	22° 4	n.a.	T 20
W21	13 33 59	24°41'32	9♏31	12°26	18°55	14°42	8°46	28°30	17°32	21° 3	3°15	9°34	8°56	22°11	n.a.	W21
T 22	13 37 55	25°38'59	23°21	12°10	20° 8	14°55	8°54	28°37	17°33	21° 2	3°14	9°23	8°53	22°18	n.a.	T 22
F 23	13 41 52	26°36'26	6♐47	11°58	21°20	15° 6	9° 1	28°44	17°35	21° 1	3°12	9°14	8°50	22°24	n.a.	F 23
S 24	13 45 48	27°33'51	19°48	11°49	22°33	15°17	9° 9	28°52	17°36	21° 1	3°11	9° 7	8°47	22°31	n.a.	S 24
S 25	13 49 45	28°31'15	2♑26	11°D46	23°46	15°28	9°16	28°59	17°37	21° 0	3° 9	9° 2	8°44	22°38	n.a.	S 25
M26	13 53 41	29°28'39	14°43	11°46	24°58	15°37	9°24	29° 6	17°38	20°59	3° 7	9° 0	8°40	22°44	n.a.	M26
T 27	13 57 38	0♉26'01	26°46	11°52	26°11	15°46	9°32	29°13	17°40	20°58	3° 6	8°D59	8°37	22°51	n.a.	T 27
W28	14 1 34	1°23'23	8♒39	12° 1	27°23	15°55	9°40	29°20	17°41	20°57	3° 4	8°R59	8°34	22°58	n.a.	W28
T 29	14 5 31	2°20'44	20°27	12°16	28°36	16° 3	9°48	29°27	17°43	20°56	3° 2	8°59	8°31	23° 4	n.a.	T 29
F 30	14 9 28	3♉18'05	2♓16	12♈34	29♉48	16♐10	9♋57	29♓34	17♋44	20♐55	3♏ 1	8♌57	8♌28	23♒11	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n12	17s24	0s 4	10n44	2n44	9n34	0s 4	22s 8	0s 4	24n22	0n47	3s43	2s18	23n12	0n36	22s36	0n52	1s 4	12n36	17n34	17n58	15s52		n.a.
F 2	2 35	14 44	1 7	10 37	2 36	10 4	0 2	22 13	0 6	24 21	0 47	3 40	2 18	23 12	0 36	22 36	0 52	1 4	12 36	17 34	17 59	15 50		n.a.
S 3	2 58	11 26	2 7	10 28	2 28	10 33	0n 1	22 19	0 9	24 21	0 47	3 37	2 18	23 12	0 36	22 36	0 52	1 3	12 36	17 35	18 0	15 49		n.a.
S 4	3 21	7 38	3 3	10 15	2 18	11 2	0 3	22 25	0 11	24 21	0 47	3 34	2 18	23 12	0 35	22 36	0 52	1 3	12 37	17 36	18 1	15 48		n.a.
M 5	3 44	3 30	3 50	9 59	2 7	11 31	0 6	22 30	0 13	24 20	0 47	3 31	2 18	23 12	0 35	22 36	0 52	1 2	12 37	17 39	18 2	15 46		n.a.
T 6	4 7	0n51	4 27	9 41	1 55	11 59	0 9	22 35	0 16	24 20	0 47	3 28	2 18	23 12	0 35	22 36	0 52	1 2	12 37	17 41	18 3	15 45		n.a.
W 7	4 30	5 14	4 52	9 20	1 42	12 28	0 11	22 41	0 18	24 20	0 47	3 25	2 18	23 12	0 35	22 36	0 52	1 1	12 37	17 44	18 4	15 44		n.a.
T 8	4 53	9 27	5 4	8 57	1 28	12 56	0 14	22 46	0 21	24 19	0 47	3 22	2 18	23 11	0 35	22 35	0 52	1 0	12 37	17 47	18 4	15 42		n.a.
F 9	5 16	13 19	4 59	8 31	1 13	13 23	0 17	22 51	0 23	24 19	0 47	3 19	2 18	23 11	0 35	22 35	0 52	1 0	12 37	17 50	18 5	15 41		n.a.
S 10	5 39	16 36	4 39	8 5	0 58	13 51	0 19	22 56	0 26	24 19	0 47	3 16	2 19	23 11	0 35	22 35	0 52	0 59	12 37	17 52	18 6	15 40		n.a.
S 11	6 1	19 4	4 4	7 37	0 41	14 18	0 22	23 1	0 29	24 18	0 47	3 13	2 19	23 11	0 35	22 35	0 52	0 59	12 37	17 54	18 7	15 38		n.a.
M12	6 24	20 30	3 14	7 8	0 25	14 44	0 24	23 6	0 32	24 18	0 47	3 10	2 19	23 11	0 35	22 35	0 52	0 58	12 37	17 54	18 8	15 37		n.a.
T 13	6 46	20 45	2 13	6 38	0 8	15 10	0 27	23 11	0 34	24 18	0 47	3 7	2 19	23 11	0 35	22 35	0 52	0 58	12 37	17 55	18 9	15 36		n.a.
W14	7 9	19 43	1 2	6 9	0s 9	15 36	0 30	23 16	0 37	24 17	0 47	3 4	2 19	23 11	0 35	22 35	0 52	0 57	12 37	17 55	18 9	15 34		n.a.
T 15	7 31	17 26	0n13	5 40	0 27	16 2	0 32	23 21	0 40	24 17	0 47	3 1	2 19	23 11	0 35	22 35	0 52	0 57	12 37	17 55	18 10	15 33		n.a.
F 16	7 53	14 2	1 28	5 11	0 43	16 27	0 35	23 26	0 43	24 16	0 47	2 58	2 19	23 11	0 35	22 35	0 52	0 56	12 37	17 55	18 11	15 32		n.a.
S 17	8 15	9 44	2 39	4 43	1 0	16 52	0 38	23 31	0 46	24 16	0 47	2 55	2 19	23 10	0 35	22 35	0 52	0 56	12 37	17 56	18 12	15 30		n.a.
S 18	8 37	4 50	3 39	4 17	1 16	17 16	0 40	23 36	0 49	24 15	0 47	2 53	2 19	23 10	0 35	22 35	0 52	0 55	12 37	17 57	18 13	15 29		n.a.
M19	8 58	0s19	4 24	3 52	1 32	17 40	0 43	23 41	0 53	24 15	0 47	2 50	2 19	23 10	0 35	22 35	0 52	0 54	12 37	17 59	18 14	15 28		n.a.
T 20	9 20	5 24	4 52	3 29	1 46	18 3	0 45	23 46	0 56	24 14	0 47	2 47	2 19	23 10	0 35	22 35	0 52	0 54	12 37	18 2	18 15	15 26		n.a.
W21	9 41	10 5	5 2	3 8	2 0	18 26	0 48	23 50	0 59	24 14	0 47	2 44	2 20	23 10	0 35	22 35	0 52	0 53	12 37	18 5	18 15	15 25		n.a.
T 22	10 2	14 8	4 53	2 49	2 14	18 49	0 50	23 55	1 2	24 13	0 46	2 41	2 20	23 10	0 35	22 35	0 52	0 53	12 37	18 8	18 16	15 23		n.a.
F 23	10 24	17 19	4 28	2 33	2 26	19 11	0 53	24 0	1 6	24 13	0 46	2 38	2 20	23 9	0 35	22 35	0 52	0 52	12 37	18 11	18 17	15 22		n.a.
S 24	10 44	19 32	3 50	2 20	2 37	19 32	0 55	24 4	1 9	24 12	0 46	2 36	2 20	23 9	0 35	22 35	0 52	0 52	12 37	18 13	18 18	15 21		n.a.
S 25	11 5	20 43	3 1	2 9	2 47	19 53	0 58	24 9	1 13	24 12	0 46	2 33	2 20	23 9	0 35	22 35	0 52	0 51	12 37	18 14	18 19	15 19		n.a.
M26	11 26	20 51	2 5	2 1	2 56	20 14	1 0	24 14	1 16	24 11	0 46	2 30	2 20	23 9	0 35	22 34	0 52	0 51	12 37	18 14	18 20	15 18		n.a.
T 27	11 46	20 1	1 4	1 56	3 4	20 34	1 2	24 18	1 20	24 10	0 46	2 27	2 20	23 9	0 35	22 34	0 52	0 50	12 37	18 15	18 21	15 16		n.a.
W28	12 7	18 18	0 2	1 53	3 11	20 53	1 5	24 23	1 24	24 10	0 46	2 25	2 20	23 8	0 35	22 34	0 52	0 50	12 37	18 15	18 21	15 15		n.a.
T 29	12 27	15 49	1s 0	1 53	3 17	21 12	1 7	24 28	1 27	24 9	0 46	2 22	2 20	23 8	0 35	22 34	0 52	0 49	12 37	18 15	18 22	15 14		n.a.
F 30	12n47	12s40	2s 0	1n56	3s22	21n30	1n 9	24s32	1s31	24n 9	0n46	2s19	2s21	23n 8	0n35	22s34	0n52	0s49	12n37	18n15	18n23	15s12		n.a.

Julian Day Number = 1547289.5, Delta T = 04h33m22s
Ecliptic obliquity = 23°45'05, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'25, Lahiri = -10°32'25 Julian Calendar 1 Apr. 477 BCE == Greg. Calendar 27 March 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

MAY 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 13 24	4♉15'24	14♓11	12♈57	1♊ 1	16♐16	10♋ 5	29♓41	17♋46	20°R55	2°R59	8°R53	8♌24	23♒18	n.a.	S 1
S 2	14 17 21	5°12'43	26°15	13°25	2°13	16°22	10°14	29°48	17°47	20♐54	2♏58	8♌47	8°21	23°24	n.a.	S 2
M 3	14 21 17	6°10'01	8♈33	13°56	3°25	16°27	10°22	29°55	17°49	20°53	2°56	8°38	8°18	23°31	n.a.	M 3
T 4	14 25 14	7° 7'19	21° 6	14°32	4°38	16°31	10°31	0♈ 1	17°51	20°51	2°54	8°26	8°15	23°37	n.a.	T 4
W 5	14 29 10	8° 4'35	3♉55	15°12	5°50	16°34	10°40	0° 8	17°53	20°50	2°53	8°14	8°12	23°44	n.a.	W 5
T 6	14 33 7	9° 1'51	17° 0	15°56	7° 2	16°37	10°49	0°15	17°54	20°49	2°51	8° 1	8° 9	23°51	n.a.	T 6
F 7	14 37 3	9°59'07	0♊19	16°43	8°15	16°39	10°58	0°21	17°56	20°48	2°49	7°49	8° 5	23°57	n.a.	F 7
S 8	14 41 0	10°56'21	13°50	17°35	9°27	16°40	11° 7	0°28	17°58	20°47	2°48	7°40	8° 2	24° 4	n.a.	S 8
S 9	14 44 57	11°53'35	27°31	18°30	10°39	16°R41	11°17	0°34	18° 0	20°46	2°46	7°33	7°59	24°11	n.a.	S 9
M10	14 48 53	12°50'48	11♋20	19°29	11°51	16°41	11°26	0°41	18° 2	20°45	2°45	7°29	7°56	24°17	n.a.	M10
T 11	14 52 50	13°48'00	25°16	20°31	13° 3	16°40	11°35	0°47	18° 4	20°44	2°43	7°27	7°53	24°24	n.a.	T 11
W12	14 56 46	14°45'11	9♌18	21°37	14°15	16°38	11°45	0°54	18° 6	20°42	2°41	7°27	7°50	24°31	n.a.	W12
T 13	15 0 43	15°42'21	23°25	22°46	15°27	16°35	11°55	1° 0	18° 9	20°41	2°40	7°27	7°46	24°37	n.a.	T 13
F 14	15 4 39	16°39'30	7♍37	23°59	16°39	16°32	12° 4	1° 6	18°11	20°40	2°38	7°26	7°43	24°44	n.a.	F 14
S 15	15 8 36	17°36'38	21°51	25°14	17°51	16°28	12°14	1°13	18°13	20°39	2°37	7°22	7°40	24°51	n.a.	S 15
S 16	15 12 32	18°33'46	6♎ 5	26°34	19° 3	16°24	12°24	1°19	18°15	20°37	2°35	7°16	7°37	24°57	n.a.	S 16
M17	15 16 29	19°30'53	20°16	27°56	20°15	16°18	12°34	1°25	18°18	20°36	2°33	7° 8	7°34	25° 4	n.a.	M17
T 18	15 20 26	20°27'59	4♏18	29°22	21°26	16°12	12°45	1°31	18°20	20°35	2°32	6°58	7°30	25°11	n.a.	T 18
W19	15 24 22	21°25'06	18° 8	0♉50	22°38	16° 5	12°55	1°37	18°22	20°33	2°30	6°46	7°27	25°17	n.a.	W19
T 20	15 28 19	22°22'11	1♐41	2°22	23°50	15°58	13° 5	1°43	18°25	20°32	2°29	6°35	7°24	25°24	n.a.	T 20
F 21	15 32 15	23°19'17	14°55	3°58	25° 1	15°49	13°15	1°49	18°27	20°31	2°27	6°25	7°21	25°31	n.a.	F 21
S 22	15 36 12	24°16'22	27°48	5°36	26°13	15°40	13°26	1°54	18°30	20°29	2°26	6°18	7°18	25°37	n.a.	S 22
S 23	15 40 8	25°13'28	10♑22	7°17	27°24	15°31	13°36	2° 0	18°32	20°28	2°24	6°13	7°15	25°44	n.a.	S 23
M24	15 44 5	26°10'33	22°38	9° 1	28°36	15°21	13°47	2° 6	18°35	20°26	2°23	6°10	7°11	25°51	n.a.	M24
T 25	15 48 1	27° 7'39	4♒40	10°48	29°47	15°10	13°58	2°11	18°37	20°25	2°21	6°D 9	7° 8	25°57	n.a.	T 25
W26	15 51 58	28° 4'44	16°34	12°38	0♋59	14°58	14° 9	2°17	18°40	20°23	2°20	6° 9	7° 5	26° 4	n.a.	W26
T 27	15 55 55	29° 1'50	28°23	14°31	2°10	14°46	14°19	2°22	18°43	20°22	2°19	6°R10	7° 2	26°10	n.a.	T 27
F 28	15 59 51	29°58'56	10♓13	16°26	3°21	14°33	14°30	2°28	18°46	20°20	2°17	6° 9	6°59	26°17	n.a.	F 28
S 29	16 3 48	0♊56'02	22°10	18°24	4°33	14°20	14°41	2°33	18°48	20°19	2°16	6° 7	6°56	26°24	n.a.	S 29
S 30	16 7 44	1°53'08	4♈19	20°24	5°44	14° 6	14°53	2°38	18°51	20°17	2°14	6° 3	6°52	26°30	n.a.	S 30
M31	16 11 41	2♊50'15	16♈43	22♉26	6♋55	13♐52	15♋ 4	2♈43	18♋54	20♐16	2♏13	5♌56	6♌49	26♒37	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n 6	8s59	2s55	2n 1	3s26	21n48	1n12	24s37	1s35	24n 8	0n46	2s17	2s21	23n 8	0n35	22s34	0n52	0s49	12n37	18n16	18n24	15s11		n.a.
S 2	13 26	4 54	3 43	2 9	3 29	22 5	1 14	24 41	1 39	24 7	0 46	2 14	2 21	23 8	0 35	22 34	0 52	0 48	12 37	18 18	18 25	15 9		n.a.
M 3	13 45	0 33	4 21	2 20	3 31	22 21	1 16	24 46	1 43	24 6	0 46	2 11	2 21	23 7	0 35	22 34	0 52	0 48	12 37	18 20	18 26	15 8		n.a.
T 4	14 4	3n55	4 47	2 33	3 32	22 37	1 18	24 50	1 47	24 6	0 46	2 9	2 21	23 7	0 35	22 34	0 52	0 47	12 36	18 23	18 26	15 7		n.a.
W 5	14 23	8 18	5 0	2 48	3 32	22 52	1 20	24 55	1 51	24 5	0 46	2 6	2 21	23 7	0 35	22 34	0 52	0 47	12 36	18 27	18 27	15 5		n.a.
T 6	14 42	12 23	4 57	3 6	3 32	23 7	1 22	24 59	1 55	24 4	0 46	2 4	2 21	23 7	0 35	22 34	0 52	0 46	12 36	18 30	18 28	15 4		n.a.
F 7	15 0	15 57	4 38	3 26	3 30	23 21	1 24	25 3	2 0	24 3	0 46	2 1	2 22	23 6	0 35	22 34	0 52	0 46	12 36	18 33	18 29	15 2		n.a.
S 8	15 18	18 44	4 3	3 48	3 28	23 34	1 26	25 8	2 4	24 3	0 46	1 59	2 22	23 6	0 35	22 34	0 52	0 46	12 36	18 36	18 30	15 1		n.a.
S 9	15 36	20 29	3 14	4 12	3 25	23 47	1 28	25 12	2 8	24 2	0 46	1 56	2 22	23 6	0 35	22 33	0 52	0 45	12 36	18 37	18 31	14 59		n.a.
M10	15 54	21 3	2 13	4 38	3 21	23 59	1 30	25 16	2 13	24 1	0 46	1 54	2 22	23 5	0 35	22 33	0 52	0 45	12 36	18 38	18 31	14 58		n.a.
T 11	16 11	20 19	1 4	5 5	3 16	24 10	1 31	25 21	2 17	24 0	0 46	1 51	2 22	23 5	0 35	22 33	0 52	0 44	12 35	18 39	18 32	14 56		n.a.
W12	16 28	18 19	0n10	5 35	3 11	24 21	1 33	25 25	2 21	23 59	0 46	1 49	2 22	23 5	0 35	22 33	0 52	0 44	12 35	18 39	18 33	14 55		n.a.
T 13	16 45	15 12	1 24	6 7	3 5	24 31	1 35	25 29	2 26	23 58	0 46	1 46	2 23	23 4	0 35	22 33	0 52	0 44	12 35	18 39	18 34	14 53		n.a.
F 14	17 2	11 11	2 32	6 40	2 58	24 40	1 36	25 33	2 30	23 57	0 46	1 44	2 23	23 4	0 35	22 33	0 52	0 43	12 35	18 39	18 35	14 52		n.a.
S 15	17 18	6 31	3 32	7 14	2 51	24 49	1 38	25 37	2 35	23 57	0 46	1 42	2 23	23 4	0 35	22 33	0 52	0 43	12 35	18 40	18 36	14 51		n.a.
S 16	17 34	1 30	4 18	7 50	2 43	24 57	1 39	25 41	2 39	23 56	0 46	1 39	2 23	23 3	0 34	22 33	0 52	0 43	12 35	18 42	18 36	14 49		n.a.
M17	17 50	3s34	4 49	8 28	2 35	25 4	1 41	25 45	2 44	23 55	0 46	1 37	2 23	23 3	0 34	22 33	0 52	0 42	12 34	18 44	18 37	14 48		n.a.
T 18	18 6	8 24	5 1	9 7	2 26	25 10	1 42	25 49	2 49	23 54	0 46	1 35	2 24	23 3	0 34	22 33	0 52	0 42	12 34	18 46	18 38	14 46		n.a.
W19	18 21	12 43	4 56	9 47	2 17	25 16	1 44	25 53	2 53	23 53	0 46	1 33	2 24	23 2	0 34	22 33	0 52	0 42	12 34	18 49	18 39	14 45		n.a.
T 20	18 36	16 18	4 33	10 28	2 7	25 21	1 45	25 57	2 58	23 52	0 46	1 30	2 24	23 2	0 34	22 32	0 52	0 41	12 34	18 52	18 40	14 43		n.a.
F 21	18 51	18 58	3 57	11 10	1 57	25 25	1 46	26 0	3 2	23 51	0 46	1 28	2 24	23 2	0 34	22 32	0 52	0 41	12 33	18 55	18 40	14 42		n.a.
S 22	19 5	20 35	3 9	11 53	1 47	25 29	1 47	26 4	3 7	23 50	0 46	1 26	2 24	23 1	0 34	22 32	0 52	0 41	12 33	18 57	18 41	14 40		n.a.
S 23	19 19	21 8	2 13	12 36	1 36	25 31	1 48	26 8	3 12	23 48	0 46	1 24	2 25	23 1	0 34	22 32	0 52	0 41	12 33	18 58	18 42	14 39		n.a.
M24	19 33	20 39	1 11	13 21	1 25	25 33	1 49	26 11	3 16	23 47	0 46	1 22	2 25	23 1	0 34	22 32	0 52	0 40	12 33	18 59	18 43	14 37		n.a.
T 25	19 46	19 13	0 8	14 5	1 14	25 35	1 50	26 14	3 21	23 46	0 46	1 20	2 25	23 0	0 34	22 32	0 52	0 40	12 32	18 59	18 44	14 36		n.a.
W26	19 59	16 57	0s55	14 50	1 2	25 35	1 50	26 18	3 26	23 45	0 46	1 18	2 25	23 0	0 34	22 32	0 52	0 40	12 32	18 59	18 45	14 34		n.a.
T 27	20 12	14 0	1 56	15 36	0 51	25 35	1 51	26 21	3 30	23 44	0 46	1 16	2 25	22 59	0 34	22 32	0 52	0 40	12 32	18 59	18 45	14 33		n.a.
F 28	20 25	10 28	2 51	16 20	0 39	25 34	1 52	26 24	3 35	23 43	0 46	1 14	2 26	22 59	0 34	22 32	0 52	0 40	12 32	18 59	18 46	14 31		n.a.
S 29	20 37	6 30	3 40	17 5	0 28	25 33	1 52	26 27	3 39	23 41	0 46	1 12	2 26	22 59	0 34	22 31	0 52	0 39	12 31	18 59	18 47	14 30		n.a.
S 30	20 48	2 13	4 19	17 49	0 16	25 30	1 53	26 29	3 44	23 40	0 46	1 10	2 26	22 58	0 34	22 31	0 52	0 39	12 31	19 0	18 48	14 28		n.a.
M31	21n 0	2n14	4s48	18n32	0s 5	25n27	1n53	26s32	3s48	23n39	0n46	1s 8	2s26	22n58	0n34	22s31	0n52	0s39	12n31	19n 2	18n49	14s27		n.a.

Julian Day Number = 1547319.5, Delta T = 04h33m21s
Ecliptic obliquity = 23°45'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'21, Lahiri = -10°32'21 Julian Calendar 1 May 477 BCE == Greg. Calendar 26 Apr. 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

JUNE 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 15 37	3♊47'22	29♈25	24♉30	8♋ 6	13°R37	15♋15	2♈48	18♋57	20°R14	2°R12	5°R47	6♌46	26♒44	n.a.	T 1
W 2	16 19 34	4°44'29	12♉28	26°36	9°17	13♐22	15°26	2°53	19° 0	20♐13	2♏10	5♌37	6°43	26°50	n.a.	W 2
T 3	16 23 30	5°41'37	25°50	28°43	10°28	13° 6	15°38	2°58	19° 3	20°11	2° 9	5°27	6°40	26°57	n.a.	T 3
F 4	16 27 27	6°38'44	9♊30	0♊51	11°39	12°51	15°49	3° 3	19° 6	20°10	2° 8	5°18	6°36	27° 4	n.a.	F 4
S 5	16 31 24	7°35'52	23°25	3° 0	12°50	12°35	16° 1	3° 8	19° 9	20° 8	2° 7	5°11	6°33	27°10	n.a.	S 5
S 6	16 35 20	8°33'01	7♋31	5° 9	14° 1	12°18	16°12	3°13	19°12	20° 7	2° 5	5° 5	6°30	27°17	n.a.	S 6
M 7	16 39 17	9°30'09	21°44	7°19	15°12	12° 2	16°24	3°17	19°15	20° 5	2° 4	5° 3	6°27	27°24	n.a.	M 7
T 8	16 43 13	10°27'18	5♌59	9°28	16°22	11°45	16°35	3°22	19°18	20° 3	2° 3	5°D 2	6°24	27°30	n.a.	T 8
W 9	16 47 10	11°24'26	20°14	11°37	17°33	11°28	16°47	3°26	19°21	20° 2	2° 2	5° 3	6°21	27°37	n.a.	W 9
T 10	16 51 6	12°21'35	4♍26	13°46	18°43	11°11	16°59	3°31	19°24	20° 0	2° 1	5° 3	6°17	27°44	n.a.	T 10
F 11	16 55 3	13°18'43	18°34	15°53	19°54	10°54	17°11	3°35	19°27	19°59	2° 0	5°R 3	6°14	27°50	n.a.	F 11
S 12	16 59 0	14°15'52	2♎37	18° 0	21° 4	10°37	17°23	3°39	19°30	19°57	1°58	5° 2	6°11	27°57	n.a.	S 12
S 13	17 2 56	15°13'01	16°33	20° 6	22°15	10°21	17°35	3°44	19°34	19°55	1°57	4°59	6° 8	28° 4	n.a.	S 13
M14	17 6 53	16°10'10	0♏20	22°10	23°25	10° 4	17°47	3°48	19°37	19°54	1°56	4°53	6° 5	28°10	n.a.	M14
T 15	17 10 49	17° 7'20	13°57	24°13	24°35	9°48	17°59	3°52	19°40	19°52	1°55	4°46	6° 1	28°17	n.a.	T 15
W16	17 14 46	18° 4'30	27°22	26°14	25°46	9°31	18°11	3°55	19°43	19°50	1°54	4°38	5°58	28°24	n.a.	W16
T 17	17 18 42	19° 1'40	10♐32	28°14	26°56	9°16	18°23	3°59	19°47	19°49	1°53	4°31	5°55	28°30	n.a.	T 17
F 18	17 22 39	19°58'52	23°27	0♋12	28° 6	9° 0	18°35	4° 3	19°50	19°47	1°52	4°24	5°52	28°37	n.a.	F 18
S 19	17 26 35	20°56'04	6♑ 6	2° 9	29°16	8°45	18°47	4° 6	19°54	19°46	1°51	4°19	5°49	28°44	n.a.	S 19
S 20	17 30 32	21°53'16	18°30	4° 4	0♌25	8°30	19° 0	4°10	19°57	19°44	1°51	4°16	5°46	28°50	n.a.	S 20
M21	17 34 29	22°50'30	0♒40	5°57	1°35	8°15	19°12	4°13	20° 0	19°42	1°50	4°D15	5°42	28°57	n.a.	M21
T 22	17 38 25	23°47'45	12°39	7°49	2°45	8° 1	19°24	4°17	20° 4	19°41	1°49	4°15	5°39	29° 4	n.a.	T 22
W23	17 42 22	24°45'00	24°31	9°38	3°54	7°47	19°37	4°20	20° 7	19°39	1°48	4°16	5°36	29°10	n.a.	W23
T 24	17 46 18	25°42'17	6♓20	11°26	5° 4	7°34	19°49	4°23	20°11	19°38	1°47	4°18	5°33	29°17	n.a.	T 24
F 25	17 50 15	26°39'34	18°11	13°13	6°13	7°22	20° 2	4°26	20°14	19°36	1°46	4°19	5°30	29°24	n.a.	F 25
S 26	17 54 11	27°36'53	0♈ 8	14°57	7°23	7°10	20°14	4°29	20°18	19°34	1°46	4°R19	5°27	29°30	n.a.	S 26
S 27	17 58 8	28°34'13	12°17	16°40	8°32	6°58	20°27	4°32	20°21	19°33	1°45	4°18	5°23	29°37	n.a.	S 27
M28	18 2 4	29°31'34	24°43	18°22	9°41	6°48	20°39	4°35	20°25	19°31	1°44	4°16	5°20	29°44	n.a.	M28
T 29	18 6 1	0♋28'57	7♉28	20° 1	10°50	6°38	20°52	4°37	20°28	19°29	1°44	4°12	5°17	29°50	n.a.	T 29
W30	18 9 58	1♋26'20	20♉37	21♋39	11♌59	6♐28	21♋ 5	4♈40	20♋32	19♐28	1♏43	4♌ 7	5♌14	29♒57	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n11	6n42	5s 2	19n14	0n 6	25n23	1n53	26s34	3s52	23n38	0n46	1s 6	2s26	22n57	0n34	22s31	0n52	0s39	12n30	19n 4	18n49	14s25		n.a.
W 2	21 22	10 59	5 2	19 55	0 17	25 19	1 54	26 37	3 57	23 36	0 46	1 4	2 27	22 57	0 34	22 31	0 52	0 39	12 30	19 7	18 50	14 23		n.a.
T 3	21 32	14 51	4 46	20 35	0 27	25 13	1 54	26 39	4 1	23 35	0 46	1 3	2 27	22 57	0 34	22 31	0 52	0 39	12 30	19 9	18 51	14 22		n.a.
F 4	21 42	18 0	4 12	21 12	0 37	25 7	1 54	26 41	4 5	23 34	0 46	1 1	2 27	22 56	0 34	22 31	0 52	0 38	12 29	19 11	18 52	14 20		n.a.
S 5	21 52	20 12	3 24	21 48	0 47	25 1	1 54	26 43	4 9	23 32	0 46	0 59	2 27	22 56	0 34	22 31	0 52	0 38	12 29	19 13	18 53	14 19		n.a.
S 6	22 1	21 10	2 22	22 21	0 56	24 53	1 54	26 44	4 13	23 31	0 46	0 58	2 28	22 55	0 34	22 31	0 52	0 38	12 29	19 15	18 53	14 17		n.a.
M 7	22 10	20 48	1 11	22 52	1 4	24 45	1 53	26 46	4 17	23 29	0 46	0 56	2 28	22 55	0 34	22 30	0 52	0 38	12 28	19 15	18 54	14 16		n.a.
T 8	22 18	19 6	0n 5	23 21	1 12	24 36	1 53	26 47	4 20	23 28	0 46	0 54	2 28	22 54	0 34	22 30	0 52	0 38	12 28	19 15	18 55	14 14		n.a.
W 9	22 27	16 12	1 21	23 47	1 19	24 27	1 53	26 48	4 24	23 27	0 46	0 53	2 28	22 54	0 34	22 30	0 52	0 38	12 28	19 15	18 56	14 13		n.a.
T 10	22 34	12 21	2 31	24 10	1 26	24 16	1 52	26 49	4 27	23 25	0 46	0 51	2 29	22 53	0 34	22 30	0 52	0 38	12 27	19 15	18 57	14 11		n.a.
F 11	22 42	7 50	3 32	24 31	1 32	24 6	1 52	26 50	4 31	23 24	0 46	0 50	2 29	22 53	0 34	22 30	0 52	0 38	12 27	19 15	18 57	14 10		n.a.
S 12	22 49	2 55	4 20	24 48	1 37	23 54	1 51	26 51	4 34	23 22	0 46	0 48	2 29	22 52	0 34	22 30	0 52	0 38	12 27	19 15	18 58	14 8		n.a.
S 13	22 55	2s 6	4 52	25 3	1 41	23 42	1 50	26 52	4 37	23 20	0 46	0 47	2 29	22 52	0 34	22 30	0 52	0 38	12 26	19 16	18 59	14 6		n.a.
M14	23 1	6 57	5 7	25 15	1 45	23 29	1 49	26 52	4 40	23 19	0 46	0 45	2 30	22 51	0 34	22 30	0 52	0 38	12 26	19 18	19 0	14 5		n.a.
T 15	23 7	11 24	5 4	25 25	1 47	23 16	1 48	26 52	4 43	23 17	0 46	0 44	2 30	22 51	0 34	22 30	0 52	0 38	12 25	19 19	19 1	14 3		n.a.
W16	23 13	15 13	4 44	25 31	1 50	23 1	1 47	26 52	4 46	23 16	0 46	0 43	2 30	22 50	0 34	22 29	0 52	0 38	12 25	19 21	19 1	14 2		n.a.
T 17	23 17	18 12	4 10	25 36	1 51	22 47	1 46	26 52	4 48	23 14	0 46	0 41	2 30	22 50	0 34	22 29	0 52	0 38	12 25	19 23	19 2	14 0		n.a.
F 18	23 22	20 13	3 23	25 37	1 52	22 31	1 45	26 52	4 51	23 12	0 46	0 40	2 31	22 49	0 34	22 29	0 52	0 38	12 24	19 25	19 3	13 58		n.a.
S 19	23 26	21 10	2 27	25 36	1 52	22 15	1 43	26 52	4 53	23 11	0 46	0 39	2 31	22 49	0 34	22 29	0 52	0 38	12 24	19 26	19 4	13 57		n.a.
S 20	23 30	21 4	1 25	25 33	1 52	21 59	1 42	26 52	4 55	23 9	0 46	0 38	2 31	22 48	0 34	22 29	0 52	0 38	12 23	19 27	19 5	13 55		n.a.
M21	23 33	19 57	0 19	25 28	1 51	21 42	1 41	26 52	4 57	23 7	0 46	0 37	2 31	22 48	0 34	22 29	0 52	0 38	12 23	19 27	19 5	13 54		n.a.
T 22	23 36	17 58	0s46	25 20	1 49	21 24	1 39	26 51	4 59	23 5	0 46	0 36	2 32	22 47	0 34	22 29	0 52	0 39	12 23	19 27	19 6	13 52		n.a.
W23	23 39	15 13	1 48	25 11	1 47	21 6	1 37	26 51	5 1	23 4	0 46	0 35	2 32	22 47	0 34	22 29	0 52	0 39	12 22	19 26	19 7	13 50		n.a.
T 24	23 41	11 52	2 46	24 59	1 44	20 47	1 35	26 50	5 3	23 2	0 46	0 33	2 32	22 46	0 34	22 29	0 52	0 39	12 22	19 26	19 8	13 49		n.a.
F 25	23 42	8 3	3 37	24 46	1 41	20 28	1 33	26 49	5 4	23 0	0 46	0 33	2 32	22 46	0 34	22 28	0 52	0 39	12 21	19 26	19 9	13 47		n.a.
S 26	23 44	3 53	4 19	24 31	1 37	20 8	1 31	26 48	5 6	22 58	0 46	0 32	2 33	22 45	0 34	22 28	0 52	0 39	12 21	19 26	19 9	13 46		n.a.
S 27	23 45	0n29	4 50	24 14	1 33	19 48	1 29	26 48	5 7	22 56	0 46	0 31	2 33	22 45	0 34	22 28	0 52	0 39	12 20	19 26	19 10	13 44		n.a.
M28	23 45	4 55	5 8	23 56	1 29	19 27	1 27	26 47	5 8	22 54	0 47	0 30	2 33	22 44	0 34	22 28	0 52	0 39	12 20	19 27	19 11	13 42		n.a.
T 29	23 45	9 16	5 12	23 37	1 24	19 6	1 25	26 46	5 9	22 52	0 47	0 29	2 34	22 44	0 34	22 28	0 52	0 40	12 20	19 27	19 12	13 41		n.a.
W30	23n45	13n19	5s 0	23n16	1n18	18n44	1n22	26s45	5s10	22n51	0n47	0s28	2s34	22n43	0n34	22s28	0n52	0s40	12n19	19n29	19n12	13s39		n.a.

Julian Day Number = 1547350.5, Delta T = 04h33m20s
Ecliptic obliquity = 23°45'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'17, Lahiri = -10°32'16 Julian Calendar 1 June 477 BCE == Greg. Calendar 27 May 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

JULY 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 13 54	2♋23'45	4♊ 9	23♋16	13♌ 8	6°R20	21♋17	4♈42	20♋35	19°R26	1°R43	4°R 3	5♌11	0♓ 3	n.a.	T 1
F 2	18 17 51	3°21'12	18° 4	24°50	14°17	6♐12	21°30	4°45	20°39	19♐25	1♏42	3♌58	5° 7	0°10	n.a.	F 2
S 3	18 21 47	4°18'39	2♋18	26°23	15°26	6° 4	21°43	4°47	20°43	19°23	1°41	3°54	5° 4	0°17	n.a.	S 3
S 4	18 25 44	5°16'08	16°47	27°54	16°35	5°58	21°56	4°49	20°46	19°22	1°41	3°52	5° 1	0°23	n.a.	S 4
M 5	18 29 40	6°13'38	1♌24	29°24	17°43	5°53	22° 8	4°51	20°50	19°20	1°41	3°D51	4°58	0°30	n.a.	M 5
T 6	18 33 37	7°11'09	16° 4	0♌52	18°52	5°48	22°21	4°53	20°54	19°19	1°40	3°51	4°55	0°37	n.a.	T 6
W 7	18 37 34	8° 8'41	0♍40	2°18	20° 0	5°44	22°34	4°55	20°57	19°17	1°40	3°53	4°52	0°43	n.a.	W 7
T 8	18 41 30	9° 6'13	15° 8	3°42	21° 8	5°41	22°47	4°57	21° 1	19°16	1°39	3°54	4°48	0°50	n.a.	T 8
F 9	18 45 27	10° 3'47	29°24	5° 5	22°16	5°38	23° 0	4°59	21° 5	19°14	1°39	3°55	4°45	0°57	n.a.	F 9
S 10	18 49 23	11° 1'22	13♎26	6°25	23°24	5°37	23°13	5° 0	21° 8	19°13	1°39	3°R55	4°42	1° 3	n.a.	S 10
S 11	18 53 20	11°58'58	27°13	7°44	24°32	5°D36	23°26	5° 2	21°12	19°11	1°38	3°55	4°39	1°10	n.a.	S 11
M12	18 57 16	12°56'34	10♏44	9° 1	25°40	5°37	23°39	5° 3	21°16	19°10	1°38	3°53	4°36	1°17	n.a.	M12
T 13	19 1 13	13°54'13	24° 1	10°16	26°48	5°38	23°52	5° 4	21°20	19° 8	1°38	3°51	4°33	1°23	n.a.	T 13
W14	19 5 9	14°51'52	7♐ 3	11°29	27°55	5°40	24° 5	5° 5	21°23	19° 7	1°38	3°48	4°29	1°30	n.a.	W14
T 15	19 9 6	15°49'33	19°51	12°40	29° 2	5°42	24°18	5° 6	21°27	19° 5	1°38	3°45	4°26	1°37	n.a.	T 15
F 16	19 13 3	16°47'15	2♑26	13°49	0♍10	5°46	24°31	5° 7	21°31	19° 4	1°38	3°43	4°23	1°43	n.a.	F 16
S 17	19 16 59	17°44'58	14°48	14°55	1°17	5°50	24°44	5° 8	21°34	19° 3	1°38	3°41	4°20	1°50	n.a.	S 17
S 18	19 20 56	18°42'43	26°59	15°59	2°24	5°55	24°57	5° 9	21°38	19° 1	1°37	3°41	4°17	1°57	n.a.	S 18
M19	19 24 52	19°40'29	9♒ 1	17° 1	3°30	6° 1	25°10	5° 9	21°42	19° 0	1°D37	3°D40	4°13	2° 3	n.a.	M19
T 20	19 28 49	20°38'18	20°56	18° 0	4°37	6° 8	25°23	5°10	21°46	18°59	1°37	3°41	4°10	2°10	n.a.	T 20
W21	19 32 45	21°36'07	2♓45	18°56	5°43	6°15	25°36	5°10	21°49	18°57	1°38	3°42	4° 7	2°17	n.a.	W21
T 22	19 36 42	22°33'59	14°34	19°49	6°50	6°24	25°49	5°10	21°53	18°56	1°38	3°43	4° 4	2°23	n.a.	T 22
F 23	19 40 38	23°31'52	26°24	20°39	7°56	6°33	26° 2	5°11	21°57	18°55	1°38	3°44	4° 1	2°30	n.a.	F 23
S 24	19 44 35	24°29'48	8♈21	21°26	9° 2	6°42	26°15	5°R11	22° 1	18°53	1°38	3°45	3°58	2°37	n.a.	S 24
S 25	19 48 32	25°27'45	20°29	22°10	10° 8	6°53	26°28	5°11	22° 4	18°52	1°38	3°R45	3°54	2°43	n.a.	S 25
M26	19 52 28	26°25'44	2♉53	22°50	11°13	7° 4	26°41	5°10	22° 8	18°51	1°38	3°45	3°51	2°50	n.a.	M26
T 27	19 56 25	27°23'45	15°36	23°25	12°19	7°16	26°54	5°10	22°12	18°50	1°39	3°45	3°48	2°57	n.a.	T 27
W28	20 0 21	28°21'49	28°42	23°57	13°24	7°29	27° 8	5°10	22°16	18°49	1°39	3°44	3°45	3° 3	n.a.	W28
T 29	20 4 18	29°19'54	12♊13	24°25	14°29	7°42	27°21	5° 9	22°19	18°48	1°39	3°44	3°42	3°10	n.a.	T 29
F 30	20 8 14	0♌18'02	26°11	24°48	15°34	7°56	27°34	5° 9	22°23	18°46	1°40	3°43	3°39	3°17	n.a.	F 30
S 31	20 12 11	1♌16'11	10♋33	25♌ 5	16♍39	8♐11	27♋47	5♈ 8	22♋27	18♐45	1♏40	3♌43	3♌35	3♓23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n44	16n49	4s31	22n54	1n12	18n22	1n20	26s44	5s10	22n49	0n47	0s28	2s34	22n43	0n34	22s28	0n52	0s40	12n19	19n30	19n13	13s37			n.a.
F 2	23 42	19 28	3 45	22 31	1 6	17 59	1 17	26 43	5 11	22 47	0 47	0 27	2 34	22 42	0 34	22 28	0 52	0 40	12 18	19 31	19 14	13 36			n.a.
S 3	23 41	20 59	2 44	22 7	0 59	17 36	1 14	26 42	5 11	22 45	0 47	0 26	2 35	22 41	0 34	22 28	0 52	0 41	12 18	19 32	19 15	13 34			n.a.
S 4	23 39	21 9	1 32	21 42	0 52	17 13	1 12	26 41	5 11	22 43	0 47	0 26	2 35	22 41	0 34	22 27	0 52	0 41	12 17	19 32	19 16	13 32			n.a.
M 5	23 36	19 53	0 13	21 16	0 45	16 49	1 9	26 40	5 12	22 40	0 47	0 25	2 35	22 40	0 34	22 27	0 52	0 41	12 17	19 32	19 16	13 31			n.a.
T 6	23 33	17 17	1n 7	20 50	0 37	16 24	1 6	26 40	5 12	22 38	0 47	0 24	2 36	22 40	0 34	22 27	0 52	0 41	12 16	19 32	19 17	13 29			n.a.
W 7	23 30	13 35	2 22	20 23	0 29	16 0	1 3	26 39	5 12	22 36	0 47	0 24	2 36	22 39	0 34	22 27	0 52	0 42	12 16	19 32	19 18	13 27			n.a.
T 8	23 26	9 7	3 28	19 55	0 21	15 35	1 0	26 38	5 11	22 34	0 47	0 24	2 36	22 39	0 34	22 27	0 52	0 42	12 15	19 32	19 19	13 26			n.a.
F 9	23 22	4 12	4 20	19 27	0 13	15 9	0 56	26 37	5 11	22 32	0 47	0 23	2 36	22 38	0 34	22 27	0 52	0 42	12 15	19 32	19 19	13 24			n.a.
S 10	23 17	0s50	4 55	18 58	0 4	14 43	0 53	26 37	5 11	22 30	0 47	0 23	2 37	22 37	0 34	22 27	0 52	0 43	12 15	19 31	19 20	13 22			n.a.
S 11	23 12	5 45	5 13	18 29	0s 5	14 17	0 49	26 36	5 10	22 28	0 47	0 23	2 37	22 37	0 34	22 27	0 52	0 43	12 14	19 32	19 21	13 21			n.a.
M12	23 7	10 17	5 13	18 0	0 14	13 51	0 46	26 36	5 10	22 26	0 47	0 22	2 37	22 36	0 34	22 27	0 52	0 43	12 14	19 32	19 22	13 19			n.a.
T 13	23 1	14 14	4 56	17 31	0 24	13 24	0 42	26 35	5 9	22 23	0 47	0 22	2 38	22 36	0 34	22 27	0 52	0 44	12 13	19 33	19 23	13 17			n.a.
W14	22 55	17 26	4 24	17 1	0 34	12 57	0 39	26 35	5 8	22 21	0 47	0 22	2 38	22 35	0 34	22 26	0 52	0 44	12 13	19 33	19 23	13 16			n.a.
T 15	22 48	19 43	3 39	16 32	0 43	12 30	0 35	26 35	5 7	22 19	0 47	0 22	2 38	22 35	0 34	22 26	0 52	0 45	12 12	19 34	19 24	13 14			n.a.
F 16	22 41	20 59	2 44	16 3	0 53	12 2	0 31	26 34	5 7	22 16	0 47	0 22	2 38	22 34	0 34	22 26	0 52	0 45	12 12	19 34	19 25	13 12			n.a.
S 17	22 33	21 13	1 43	15 34	1 3	11 35	0 27	26 34	5 6	22 14	0 47	0 22	2 39	22 33	0 34	22 26	0 52	0 45	12 11	19 35	19 26	13 11			n.a.
S 18	22 26	20 26	0 37	15 5	1 14	11 7	0 23	26 34	5 5	22 12	0 48	0 22	2 39	22 33	0 34	22 26	0 52	0 46	12 11	19 35	19 26	13 9			n.a.
M19	22 17	18 43	0s30	14 36	1 24	10 38	0 19	26 34	5 3	22 10	0 48	0 22	2 39	22 32	0 34	22 26	0 51	0 46	12 10	19 35	19 27	13 7			n.a.
T 20	22 9	16 12	1 34	14 8	1 35	10 10	0 14	26 34	5 2	22 7	0 48	0 22	2 40	22 32	0 34	22 26	0 51	0 47	12 10	19 35	19 28	13 6			n.a.
W21	22 0	13 1	2 34	13 41	1 45	9 41	0 10	26 34	5 1	22 5	0 48	0 22	2 40	22 31	0 34	22 26	0 51	0 47	12 9	19 35	19 29	13 4			n.a.
T 22	21 50	9 21	3 28	13 14	1 56	9 12	0 6	26 35	5 0	22 2	0 48	0 22	2 40	22 30	0 34	22 26	0 51	0 48	12 9	19 34	19 29	13 2			n.a.
F 23	21 40	5 18	4 13	12 48	2 6	8 43	0 1	26 35	4 58	22 0	0 48	0 22	2 41	22 30	0 34	22 26	0 51	0 48	12 8	19 34	19 30	13 0			n.a.
S 24	21 30	1 2	4 47	12 23	2 17	8 14	0s 3	26 35	4 57	21 58	0 48	0 22	2 41	22 29	0 34	22 26	0 51	0 49	12 8	19 34	19 31	12 59			n.a.
S 25	21 19	3n20	5 9	11 59	2 27	7 45	0 8	26 36	4 56	21 55	0 48	0 23	2 41	22 29	0 34	22 26	0 51	0 49	12 7	19 34	19 32	12 57			n.a.
M26	21 8	7 40	5 17	11 36	2 38	7 15	0 13	26 36	4 54	21 53	0 48	0 23	2 41	22 28	0 34	22 25	0 51	0 50	12 7	19 34	19 32	12 55			n.a.
T 27	20 57	11 46	5 11	11 15	2 48	6 45	0 18	26 37	4 53	21 50	0 48	0 23	2 42	22 27	0 34	22 25	0 51	0 50	12 6	19 34	19 33	12 54			n.a.
W28	20 45	15 27	4 48	10 55	2 58	6 16	0 23	26 37	4 51	21 48	0 48	0 24	2 42	22 27	0 34	22 25	0 51	0 51	12 6	19 34	19 34	12 52			n.a.
T 29	20 33	18 26	4 9	10 36	3 8	5 46	0 27	26 38	4 49	21 45	0 48	0 24	2 42	22 26	0 34	22 25	0 51	0 52	12 5	19 34	19 35	12 50			n.a.
F 30	20 21	20 28	3 14	10 20	3 17	5 16	0 32	26 39	4 48	21 43	0 48	0 25	2 43	22 25	0 34	22 25	0 51	0 52	12 5	19 34	19 35	12 48			n.a.
S 31	20n 8	21n15	2s 5	10n 5	3s26	4n46	0s38	26s40	4s46	21n40	0n48	0s25	2s43	22n25	0n34	22s25	0n51	0s53	12n 4	19n34	19n36	12s47			n.a.

Julian Day Number = 1547380.5, Delta T = 04h33m19s
Ecliptic obliquity = 23°45'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'13, Lahiri = -10°32'12 Julian Calendar 1 July 477 BCE == Greg. Calendar 26 June 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

AUGUST 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 16 7	2♌14'22	25♋16	25♌18	17♍43	8♐26	28♋ 0	5°R 7	22♋31	18°R44	1♏40	3°R43	3♌32	3♓30	n.a.	S 1
M 2	20 20 4	3°12'36	10♌12	25°25	18°48	8°42	28°13	5♈ 6	22°34	18♐43	1°41	3♌43	3°29	3°37	n.a.	M 2
T 3	20 24 1	4°10'51	25°15	25°R26	19°52	8°59	28°26	5° 5	22°38	18°42	1°41	3°43	3°26	3°43	n.a.	T 3
W 4	20 27 57	5° 9'08	10♍14	25°21	20°56	9°16	28°39	5° 4	22°42	18°41	1°42	3°43	3°23	3°50	n.a.	W 4
T 5	20 31 54	6° 7'26	25° 2	25°10	21°59	9°34	28°52	5° 3	22°45	18°40	1°42	3°43	3°19	3°57	n.a.	T 5
F 6	20 35 50	7° 5'46	9♎34	24°53	23° 3	9°53	29° 5	5° 1	22°49	18°39	1°43	3°43	3°16	4° 3	n.a.	F 6
S 7	20 39 47	8° 4'08	23°45	24°28	24° 6	10°12	29°18	5° 0	22°53	18°38	1°44	3°42	3°13	4°10	n.a.	S 7
S 8	20 43 43	9° 2'31	7♏33	23°58	25° 9	10°32	29°31	4°58	22°56	18°37	1°44	3°D42	3°10	4°17	n.a.	S 8
M 9	20 47 40	10° 0'56	20°59	23°21	26°12	10°52	29°44	4°57	23° 0	18°37	1°45	3°42	3° 7	4°23	n.a.	M 9
T 10	20 51 36	10°59'23	4♐ 4	22°38	27°14	11°13	29°57	4°55	23° 4	18°36	1°46	3°43	3° 4	4°30	n.a.	T 10
W11	20 55 33	11°57'52	16°51	21°49	28°16	11°35	0♌10	4°53	23° 7	18°35	1°47	3°43	3° 0	4°37	n.a.	W11
T 12	20 59 29	12°56'22	29°22	20°55	29°18	11°57	0°23	4°51	23°11	18°34	1°47	3°44	2°57	4°43	n.a.	T 12
F 13	21 3 26	13°54'55	11♑40	19°57	0♎20	12°19	0°36	4°49	23°14	18°33	1°48	3°45	2°54	4°50	n.a.	F 13
S 14	21 7 23	14°53'29	23°48	18°56	1°21	12°42	0°49	4°47	23°18	18°33	1°49	3°46	2°51	4°57	n.a.	S 14
S 15	21 11 19	15°52'05	5♒48	17°53	2°22	13° 6	1° 2	4°45	23°21	18°32	1°50	3°R46	2°48	5° 3	n.a.	S 15
M16	21 15 16	16°50'43	17°42	16°50	3°22	13°30	1°15	4°42	23°25	18°31	1°51	3°46	2°45	5°10	n.a.	M16
T 17	21 19 12	17°49'23	29°32	15°47	4°23	13°54	1°27	4°40	23°28	18°31	1°52	3°44	2°41	5°17	n.a.	T 17
W18	21 23 9	18°48'05	11♓21	14°48	5°22	14°19	1°40	4°37	23°32	18°30	1°53	3°43	2°38	5°23	n.a.	W18
T 19	21 27 5	19°46'49	23°11	13°52	6°22	14°45	1°53	4°35	23°35	18°29	1°54	3°40	2°35	5°30	n.a.	T 19
F 20	21 31 2	20°45'36	5♈ 4	13° 2	7°21	15°10	2° 6	4°32	23°39	18°29	1°55	3°38	2°32	5°37	n.a.	F 20
S 21	21 34 58	21°44'25	17° 3	12°19	8°20	15°37	2°18	4°29	23°42	18°28	1°56	3°35	2°29	5°43	n.a.	S 21
S 22	21 38 55	22°43'16	29°11	11°44	9°18	16° 3	2°31	4°26	23°46	18°28	1°57	3°33	2°25	5°50	n.a.	S 22
M23	21 42 52	23°42'09	11♉33	11°17	10°16	16°30	2°44	4°23	23°49	18°27	1°58	3°31	2°22	5°57	n.a.	M23
T 24	21 46 48	24°41'05	24°11	11° 1	11°14	16°58	2°56	4°20	23°52	18°27	1°59	3°D31	2°19	6° 3	n.a.	T 24
W25	21 50 45	25°40'04	7♊11	10°D54	12°11	17°26	3° 9	4°17	23°56	18°27	2° 1	3°31	2°16	6°10	n.a.	W25
T 26	21 54 41	26°39'05	20°35	10°58	13° 8	17°54	3°22	4°14	23°59	18°26	2° 2	3°32	2°13	6°17	n.a.	T 26
F 27	21 58 38	27°38'08	4♋25	11°11	14° 4	18°22	3°34	4°10	24° 2	18°26	2° 3	3°34	2°10	6°23	n.a.	F 27
S 28	22 2 34	28°37'14	18°41	11°35	15° 0	18°51	3°47	4° 7	24° 6	18°26	2° 4	3°35	2° 6	6°30	n.a.	S 28
S 29	22 6 31	29°36'22	3♌22	12° 8	15°55	19°21	3°59	4° 3	24° 9	18°25	2° 6	3°R36	2° 3	6°37	n.a.	S 29
M30	22 10 27	0♍35'32	18°23	12°50	16°50	19°50	4°11	4° 0	24°12	18°25	2° 7	3°35	2° 0	6°43	n.a.	M30
T 31	22 14 24	1♍34'45	3♍36	13♌41	17♎44	20♐21	4♌24	3♈56	24♋15	18♐25	2♏ 8	3♌33	1♌57	6♓50	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	19n55	20n36	0s47	9n53	3s35	4n16	0s43	26s40	4s44	21n37	0n49	0s26	2s43	22n24	0n34	22s25	0n51	0s53	12n 4	19n34	19n37	12s45			n.a.
M 2	19 42	18 30	0n36	9 43	3 43	3 45	0 48	26 41	4 42	21 35	0 49	0 26	2 43	22 24	0 34	22 25	0 51	0 54	12 3	19 34	19 38	12 43			n.a.
T 3	19 28	15 6	1 57	9 36	3 51	3 15	0 53	26 42	4 41	21 32	0 49	0 27	2 44	22 23	0 34	22 25	0 51	0 55	12 3	19 34	19 38	12 41			n.a.
W 4	19 14	10 45	3 9	9 31	3 57	2 45	0 59	26 43	4 39	21 30	0 49	0 28	2 44	22 22	0 34	22 25	0 51	0 55	12 2	19 34	19 39	12 40			n.a.
T 5	18 59	5 47	4 8	9 29	4 3	2 14	1 4	26 44	4 37	21 27	0 49	0 29	2 44	22 22	0 34	22 25	0 51	0 56	12 2	19 34	19 40	12 38			n.a.
F 6	18 44	0 36	4 50	9 31	4 8	1 44	1 9	26 45	4 35	21 24	0 49	0 29	2 44	22 21	0 34	22 25	0 51	0 57	12 1	19 35	19 41	12 36			n.a.
S 7	18 29	4s30	5 13	9 36	4 11	1 14	1 15	26 46	4 33	21 22	0 49	0 30	2 45	22 21	0 34	22 25	0 51	0 57	12 1	19 35	19 41	12 34			n.a.
S 8	18 14	9 13	5 17	9 44	4 13	0 43	1 21	26 47	4 31	21 19	0 49	0 31	2 45	22 20	0 34	22 25	0 51	0 58	12 0	19 35	19 42	12 33			n.a.
M 9	17 58	13 21	5 3	9 55	4 14	0 13	1 26	26 49	4 29	21 16	0 49	0 32	2 45	22 19	0 34	22 25	0 51	0 59	12 0	19 35	19 43	12 31			n.a.
T 10	17 42	16 45	4 34	10 10	4 13	0s17	1 32	26 50	4 27	21 14	0 49	0 33	2 46	22 19	0 34	22 25	0 51	0 59	11 59	19 35	19 44	12 29			n.a.
W11	17 26	19 15	3 52	10 29	4 10	0 47	1 38	26 51	4 25	21 11	0 49	0 34	2 46	22 18	0 34	22 25	0 51	1 0	11 59	19 34	19 44	12 27			n.a.
T 12	17 9	20 45	3 0	10 51	4 5	1 18	1 43	26 52	4 24	21 8	0 50	0 35	2 46	22 18	0 34	22 25	0 51	1 1	11 58	19 34	19 45	12 25			n.a.
F 13	16 52	21 15	2 0	11 15	3 58	1 48	1 49	26 53	4 22	21 6	0 50	0 36	2 46	22 17	0 34	22 25	0 51	1 1	11 58	19 34	19 46	12 24			n.a.
S 14	16 35	20 43	0 55	11 43	3 49	2 18	1 55	26 54	4 20	21 3	0 50	0 37	2 47	22 16	0 34	22 25	0 51	1 2	11 58	19 34	19 47	12 22			n.a.
S 15	16 17	19 15	0s11	12 12	3 39	2 48	2 1	26 55	4 18	21 0	0 50	0 38	2 47	22 16	0 34	22 25	0 51	1 3	11 57	19 34	19 47	12 20			n.a.
M16	15 59	16 56	1 16	12 43	3 26	3 18	2 7	26 56	4 16	20 57	0 50	0 39	2 47	22 15	0 34	22 24	0 51	1 4	11 57	19 34	19 48	12 18			n.a.
T 17	15 41	13 56	2 18	13 16	3 12	3 47	2 13	26 58	4 13	20 55	0 50	0 41	2 47	22 15	0 34	22 24	0 51	1 4	11 56	19 34	19 49	12 16			n.a.
W18	15 23	10 22	3 13	13 49	2 56	4 17	2 19	26 59	4 11	20 52	0 50	0 42	2 48	22 14	0 34	22 24	0 51	1 5	11 56	19 35	19 50	12 15			n.a.
T 19	15 4	6 25	4 0	14 21	2 38	4 46	2 25	27 0	4 9	20 49	0 50	0 43	2 48	22 14	0 34	22 24	0 50	1 6	11 55	19 35	19 50	12 13			n.a.
F 20	14 46	2 12	4 37	14 53	2 20	5 15	2 31	27 1	4 7	20 46	0 50	0 44	2 48	22 13	0 34	22 24	0 50	1 7	11 55	19 36	19 51	12 11			n.a.
S 21	14 27	2n 8	5 3	15 24	2 1	5 45	2 37	27 2	4 5	20 43	0 51	0 46	2 48	22 12	0 34	22 24	0 50	1 8	11 54	19 36	19 52	12 9			n.a.
S 22	14 7	6 26	5 15	15 52	1 41	6 14	2 43	27 2	4 3	20 41	0 51	0 47	2 48	22 12	0 34	22 24	0 50	1 8	11 54	19 37	19 53	12 7			n.a.
M23	13 48	10 33	5 12	16 19	1 21	6 42	2 49	27 3	4 1	20 38	0 51	0 49	2 49	22 11	0 34	22 24	0 50	1 9	11 53	19 37	19 53	12 6			n.a.
T 24	13 28	14 18	4 55	16 42	1 2	7 11	2 55	27 4	3 59	20 35	0 51	0 50	2 49	22 11	0 34	22 24	0 50	1 10	11 53	19 37	19 54	12 4			n.a.
W25	13 8	17 28	4 23	17 2	0 43	7 39	3 1	27 5	3 57	20 32	0 51	0 51	2 49	22 10	0 35	22 24	0 50	1 11	11 52	19 37	19 55	12 2			n.a.
T 26	12 48	19 50	3 35	17 19	0 25	8 7	3 7	27 5	3 55	20 29	0 51	0 53	2 49	22 10	0 35	22 24	0 50	1 12	11 52	19 37	19 55	12 0			n.a.
F 27	12 27	21 7	2 34	17 32	0 7	8 35	3 14	27 6	3 53	20 26	0 51	0 55	2 50	22 9	0 35	22 24	0 50	1 12	11 52	19 37	19 56	11 58			n.a.
S 28	12 6	21 5	1 21	17 41	0n10	9 3	3 20	27 7	3 51	20 24	0 51	0 56	2 50	22 8	0 35	22 24	0 50	1 13	11 51	19 36	19 57	11 56			n.a.
S 29	11 45	19 38	0 1	17 47	0 25	9 30	3 26	27 7	3 49	20 21	0 52	0 58	2 50	22 8	0 35	22 24	0 50	1 14	11 51	19 36	19 58	11 55			n.a.
M30	11 24	16 47	1n20	17 48	0 39	9 57	3 32	27 7	3 47	20 18	0 52	0 59	2 50	22 7	0 35	22 24	0 50	1 15	11 50	19 36	19 58	11 53			n.a.
T 31	11n 3	12n45	2n37	17n46	0n52	10s24	3s38	27s 8	3s44	20n15	0n52	1s 1	2s50	22n 7	0n35	22s25	0n50	1s16	11n50	19n37	19n59	11s51			n.a.

Julian Day Number = 1547411.5, Delta T = 04h33m17s
Ecliptic obliquity = 23°45'05, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'08, Lahiri = -10°32'08 Julian Calendar 1 Aug. 477 BCE == Greg. Calendar 27 July 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

SEPTEMBER 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 18 20	2♍33'59	18♍50	14♌39	18♎37	20♐51	4♌36	3°R52	24♋18	18°R25	2♏10	3°R30	1♌54	6♓57	n.a.	W 1
T 2	22 22 17	3°33'16	3♎57	15°45	19°30	21°22	4°48	3♈49	24°21	18♐25	2°11	3♌25	1°50	7° 3	n.a.	T 2
F 3	22 26 14	4°32'35	18°45	16°56	20°23	21°53	5° 0	3°45	24°25	18°24	2°13	3°21	1°47	7°10	n.a.	F 3
S 4	22 30 10	5°31'55	3♏10	18°14	21°15	22°24	5°13	3°41	24°28	18°24	2°14	3°17	1°44	7°17	n.a.	S 4
S 5	22 34 7	6°31'18	17° 8	19°36	22° 6	22°56	5°25	3°37	24°31	18°24	2°16	3°14	1°41	7°23	n.a.	S 5
M 6	22 38 3	7°30'42	0♐37	21° 3	22°56	23°28	5°37	3°33	24°34	18°D24	2°17	3°13	1°38	7°30	n.a.	M 6
T 7	22 42 0	8°30'09	13°40	22°33	23°46	24° 0	5°49	3°28	24°37	18°24	2°19	3°D13	1°35	7°37	n.a.	T 7
W 8	22 45 56	9°29'37	26°21	24° 6	24°35	24°32	6° 1	3°24	24°40	18°24	2°20	3°14	1°31	7°43	n.a.	W 8
T 9	22 49 53	10°29'07	8♑43	25°42	25°23	25° 5	6°13	3°20	24°42	18°25	2°22	3°15	1°28	7°50	n.a.	T 9
F 10	22 53 49	11°28'39	20°52	27°20	26°11	25°38	6°24	3°16	24°45	18°25	2°24	3°17	1°25	7°57	n.a.	F 10
S 11	22 57 46	12°28'13	2♒50	28°59	26°57	26°11	6°36	3°11	24°48	18°25	2°25	3°R17	1°22	8° 3	n.a.	S 11
S 12	23 1 43	13°27'49	14°42	0♍40	27°43	26°45	6°48	3° 7	24°51	18°25	2°27	3°17	1°19	8°10	n.a.	S 12
M13	23 5 39	14°27'26	26°31	2°21	28°28	27°19	6°59	3° 2	24°54	18°25	2°29	3°14	1°16	8°17	n.a.	M13
T 14	23 9 36	15°27'06	8♓20	4° 4	29°11	27°53	7°11	2°58	24°56	18°26	2°30	3° 9	1°12	8°23	n.a.	T 14
W15	23 13 32	16°26'48	20°11	5°46	29°54	28°27	7°23	2°53	24°59	18°26	2°32	3° 3	1° 9	8°30	n.a.	W15
T 16	23 17 29	17°26'32	2♈ 5	7°29	0♏36	29° 1	7°34	2°49	25° 2	18°26	2°34	2°55	1° 6	8°37	n.a.	T 16
F 17	23 21 25	18°26'18	14° 4	9°12	1°17	29°36	7°45	2°44	25° 4	18°27	2°36	2°46	1° 3	8°43	n.a.	F 17
S 18	23 25 22	19°26'06	26°11	10°55	1°56	0♑11	7°57	2°39	25° 7	18°27	2°38	2°37	1° 0	8°50	n.a.	S 18
S 19	23 29 18	20°25'57	8♉25	12°38	2°35	0°46	8° 8	2°35	25° 9	18°27	2°40	2°29	0°56	8°57	n.a.	S 19
M20	23 33 15	21°25'50	20°51	14°21	3°12	1°21	8°19	2°30	25°12	18°28	2°41	2°23	0°53	9° 4	n.a.	M20
T 21	23 37 11	22°25'45	3♊30	16° 4	3°48	1°57	8°30	2°25	25°14	18°28	2°43	2°19	0°50	9°10	n.a.	T 21
W22	23 41 8	23°25'42	16°26	17°46	4°23	2°33	8°41	2°20	25°17	18°29	2°45	2°17	0°47	9°17	n.a.	W22
T 23	23 45 5	24°25'42	29°41	19°27	4°56	3° 8	8°52	2°16	25°19	18°29	2°47	2°D17	0°44	9°24	n.a.	T 23
F 24	23 49 1	25°25'44	13♋19	21° 8	5°28	3°44	9° 3	2°11	25°21	18°30	2°49	2°17	0°41	9°30	n.a.	F 24
S 25	23 52 58	26°25'49	27°22	22°49	5°59	4°21	9°14	2° 6	25°24	18°31	2°51	2°R18	0°37	9°37	n.a.	S 25
S 26	23 56 54	27°25'56	11♌49	24°30	6°28	4°57	9°24	2° 1	25°26	18°31	2°53	2°18	0°34	9°44	n.a.	S 26
M27	0 0 51	28°26'04	26°38	26° 9	6°55	5°34	9°35	1°56	25°28	18°32	2°55	2°16	0°31	9°50	n.a.	M27
T 28	0 4 47	29°26'15	11♍43	27°49	7°21	6°10	9°46	1°51	25°30	18°33	2°57	2°11	0°28	9°57	n.a.	T 28
W29	0 8 44	0♎26'28	26°56	29°28	7°45	6°47	9°56	1°46	25°32	18°34	2°59	2° 4	0°25	10° 4	n.a.	W29
T 30	0 12 40	1♎26'43	12♎ 6	1♎ 6	8♏ 8	7♑24	10♌ 6	1♈41	25♋34	18♐34	3♏ 1	1♌55	0♌21	10♓10	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n42	7n53	3n43	17n40	1n 4	10s50	3s44	27s 8	3s42	20n12	0n52	1s 3	2s50	22n 6	0n35	22s25	0n50	1s17	11n49	19n38	20n 0	11s49		n.a.
T 2	10 20	2 34	4 33	17 31	1 15	11 16	3 50	27 8	3 40	20 9	0 52	1 4	2 51	22 6	0 35	22 25	0 50	1 18	11 49	19 39	20 1	11 47		n.a.
F 3	9 58	2s47	5 3	17 17	1 24	11 42	3 56	27 8	3 38	20 6	0 52	1 6	2 51	22 5	0 35	22 25	0 50	1 18	11 49	19 40	20 1	11 45		n.a.
S 4	9 36	7 50	5 13	17 1	1 32	12 7	4 2	27 8	3 36	20 4	0 52	1 8	2 51	22 5	0 35	22 25	0 50	1 19	11 48	19 41	20 2	11 43		n.a.
S 5	9 14	12 19	5 4	16 41	1 38	12 33	4 8	27 7	3 34	20 1	0 53	1 9	2 51	22 4	0 35	22 25	0 50	1 20	11 48	19 41	20 3	11 42		n.a.
M 6	8 52	16 1	4 38	16 18	1 44	12 57	4 14	27 7	3 32	19 58	0 53	1 11	2 51	22 4	0 35	22 25	0 50	1 21	11 47	19 42	20 3	11 40		n.a.
T 7	8 29	18 48	3 58	15 53	1 49	13 22	4 20	27 6	3 30	19 55	0 53	1 13	2 51	22 3	0 35	22 25	0 50	1 22	11 47	19 42	20 4	11 38		n.a.
W 8	8 7	20 34	3 8	15 25	1 52	13 45	4 26	27 6	3 28	19 52	0 53	1 15	2 52	22 3	0 35	22 25	0 50	1 23	11 47	19 41	20 5	11 36		n.a.
T 9	7 44	21 18	2 10	14 55	1 55	14 9	4 32	27 5	3 26	19 49	0 53	1 17	2 52	22 2	0 35	22 25	0 50	1 24	11 46	19 41	20 6	11 34		n.a.
F 10	7 21	21 0	1 7	14 22	1 56	14 32	4 37	27 4	3 24	19 46	0 53	1 19	2 52	22 2	0 35	22 25	0 50	1 25	11 46	19 41	20 6	11 32		n.a.
S 11	6 58	19 44	0 3	13 48	1 57	14 54	4 43	27 3	3 22	19 44	0 53	1 20	2 52	22 1	0 35	22 25	0 50	1 26	11 45	19 40	20 7	11 30		n.a.
S 12	6 35	17 37	1s 2	13 12	1 57	15 16	4 49	27 2	3 20	19 41	0 54	1 22	2 52	22 1	0 35	22 25	0 50	1 27	11 45	19 41	20 8	11 28		n.a.
M13	6 12	14 45	2 3	12 35	1 56	15 38	4 54	27 1	3 18	19 38	0 54	1 24	2 52	22 0	0 35	22 25	0 50	1 28	11 45	19 41	20 8	11 27		n.a.
T 14	5 48	11 18	2 59	11 56	1 55	15 59	5 0	27 0	3 16	19 35	0 54	1 26	2 52	22 0	0 35	22 25	0 49	1 28	11 44	19 42	20 9	11 25		n.a.
W15	5 25	7 24	3 46	11 16	1 53	16 20	5 5	26 58	3 13	19 32	0 54	1 28	2 52	21 59	0 35	22 25	0 49	1 29	11 44	19 44	20 10	11 23		n.a.
T 16	5 1	3 12	4 25	10 35	1 51	16 40	5 10	26 56	3 11	19 29	0 54	1 30	2 52	21 59	0 35	22 25	0 49	1 30	11 44	19 46	20 10	11 21		n.a.
F 17	4 38	1n 9	4 52	9 53	1 48	16 59	5 15	26 54	3 9	19 27	0 54	1 32	2 53	21 58	0 35	22 25	0 49	1 31	11 43	19 48	20 11	11 19		n.a.
S 18	4 14	5 30	5 6	9 10	1 44	17 18	5 20	26 52	3 7	19 24	0 55	1 34	2 53	21 58	0 35	22 25	0 49	1 32	11 43	19 50	20 12	11 17		n.a.
S 19	3 50	9 40	5 6	8 27	1 41	17 36	5 25	26 50	3 5	19 21	0 55	1 36	2 53	21 57	0 35	22 25	0 49	1 33	11 43	19 52	20 13	11 15		n.a.
M20	3 26	13 31	4 52	7 43	1 36	17 54	5 30	26 48	3 3	19 18	0 55	1 38	2 53	21 57	0 35	22 26	0 49	1 34	11 42	19 53	20 13	11 13		n.a.
T 21	3 3	16 49	4 23	6 59	1 32	18 11	5 35	26 46	3 1	19 16	0 55	1 40	2 53	21 57	0 35	22 26	0 49	1 35	11 42	19 54	20 14	11 11		n.a.
W22	2 39	19 23	3 41	6 14	1 27	18 27	5 39	26 43	2 59	19 13	0 55	1 42	2 53	21 56	0 35	22 26	0 49	1 36	11 42	19 55	20 15	11 9		n.a.
T 23	2 14	20 59	2 46	5 29	1 22	18 43	5 43	26 40	2 57	19 10	0 55	1 44	2 53	21 56	0 35	22 26	0 49	1 37	11 41	19 55	20 15	11 7		n.a.
F 24	1 50	21 25	1 40	4 44	1 17	18 57	5 47	26 37	2 55	19 7	0 56	1 46	2 53	21 55	0 35	22 26	0 49	1 38	11 41	19 54	20 16	11 6		n.a.
S 25	1 26	20 32	0 27	3 58	1 11	19 12	5 51	26 34	2 53	19 5	0 56	1 48	2 53	21 55	0 35	22 26	0 49	1 39	11 41	19 54	20 17	11 4		n.a.
S 26	1 2	18 17	0n51	3 13	1 6	19 25	5 55	26 31	2 51	19 2	0 56	1 50	2 53	21 55	0 35	22 26	0 49	1 40	11 40	19 54	20 17	11 2		n.a.
M27	0 38	14 47	2 7	2 28	1 0	19 38	5 58	26 27	2 49	18 59	0 56	1 52	2 53	21 54	0 35	22 26	0 49	1 41	11 40	19 55	20 18	11 0		n.a.
T 28	0 14	10 15	3 15	1 42	0 54	19 49	6 2	26 24	2 48	18 56	0 56	1 54	2 53	21 54	0 36	22 26	0 49	1 42	11 40	19 56	20 19	10 58		n.a.
W29	0s11	5 2	4 10	0 57	0 48	20 0	6 4	26 20	2 46	18 54	0 57	1 56	2 53	21 54	0 36	22 26	0 49	1 43	11 39	19 58	20 20	10 56		n.a.
T 30	0s35	0s27	4n47	0n11	0n41	20s10	6s 7	26s16	2s44	18n51	0n57	1s58	2s53	21n53	0n36	22s27	0n49	1s44	11n39	20n 0	20n20	10s54		n.a.

Julian Day Number = 1547442.5, Delta T = 04h33m16s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'04, Lahiri = -10°32'04 Julian Calendar 1 Sept. 477 BCE == Greg. Calendar 27 Aug. 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

OCTOBER 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 16 37	2♎27'00	27♎ 3	2♎44	8♏28	8♑ 2	10♌17	1°R36	25♋36	18♐35	3♏ 3	1°R45	0♌18	10♓17	n.a.	F 1
S 2	0 20 34	3°27'18	11♏38	4°22	8°47	8°39	10°27	1♈32	25°38	18°36	3° 5	1♌36	0°15	10°24	n.a.	S 2
S 3	0 24 30	4°27'39	25°46	5°59	9° 3	9°16	10°37	1°27	25°40	18°37	3° 8	1°28	0°12	10°30	n.a.	S 3
M 4	0 28 27	5°28'00	9♐23	7°35	9°18	9°54	10°47	1°22	25°42	18°38	3°10	1°23	0° 9	10°37	n.a.	M 4
T 5	0 32 23	6°28'24	22°31	9°12	9°31	10°32	10°57	1°17	25°44	18°39	3°12	1°20	0° 6	10°44	n.a.	T 5
W 6	0 36 20	7°28'49	5♑14	10°48	9°41	11°10	11° 6	1°12	25°46	18°40	3°14	1°D19	0° 2	10°50	n.a.	W 6
T 7	0 40 16	8°29'15	17°35	12°23	9°49	11°48	11°16	1° 7	25°47	18°41	3°16	1°19	29♋59	10°57	n.a.	T 7
F 8	0 44 13	9°29'43	29°41	13°58	9°55	12°26	11°25	1° 2	25°49	18°42	3°18	1°R19	29°56	11° 4	n.a.	F 8
S 9	0 48 9	10°30'13	11♒35	15°33	9°59	13° 4	11°35	0°58	25°50	18°43	3°21	1°19	29°53	11°10	n.a.	S 9
S 10	0 52 6	11°30'43	23°24	17° 7	10°R 0	13°43	11°44	0°53	25°52	18°44	3°23	1°17	29°50	11°17	n.a.	S 10
M11	0 56 2	12°31'16	5♓12	18°41	9°59	14°21	11°53	0°48	25°54	18°45	3°25	1°12	29°47	11°24	n.a.	M11
T 12	0 59 59	13°31'49	17° 2	20°15	9°55	15° 0	12° 3	0°43	25°55	18°46	3°27	1° 4	29°43	11°30	n.a.	T 12
W13	1 3 56	14°32'25	28°57	21°49	9°49	15°39	12°12	0°39	25°56	18°48	3°30	0°53	29°40	11°37	n.a.	W13
T 14	1 7 52	15°33'01	10♈59	23°22	9°41	16°18	12°20	0°34	25°58	18°49	3°32	0°40	29°37	11°44	n.a.	T 14
F 15	1 11 49	16°33'40	23° 9	24°55	9°30	16°56	12°29	0°29	25°59	18°50	3°34	0°26	29°34	11°50	n.a.	F 15
S 16	1 15 45	17°34'20	5♉27	26°28	9°16	17°35	12°38	0°25	26° 0	18°51	3°36	0°12	29°31	11°57	n.a.	S 16
S 17	1 19 42	18°35'01	17°56	28° 0	9° 0	18°15	12°46	0°20	26° 1	18°53	3°39	29♋59	29°27	12° 4	n.a.	S 17
M18	1 23 38	19°35'44	0♊34	29°32	8°42	18°54	12°55	0°16	26° 3	18°54	3°41	29°49	29°24	12°11	n.a.	M18
T 19	1 27 35	20°36'29	13°23	1♏ 4	8°22	19°33	13° 3	0°11	26° 4	18°55	3°43	29°42	29°21	12°17	n.a.	T 19
W20	1 31 31	21°37'16	26°24	2°36	7°59	20°12	13°11	0° 7	26° 5	18°57	3°46	29°37	29°18	12°24	n.a.	W20
T 21	1 35 28	22°38'04	9♋40	4° 8	7°34	20°52	13°19	0° 3	26° 6	18°58	3°48	29°35	29°15	12°31	n.a.	T 21
F 22	1 39 25	23°38'54	23°12	5°39	7° 7	21°31	13°27	29♓58	26° 6	19° 0	3°50	29°34	29°12	12°37	n.a.	F 22
S 23	1 43 21	24°39'46	7♌ 3	7°10	6°39	22°11	13°35	29°54	26° 7	19° 1	3°53	29°34	29° 8	12°44	n.a.	S 23
S 24	1 47 18	25°40'39	21°13	8°41	6° 8	22°51	13°43	29°50	26° 8	19° 3	3°55	29°33	29° 5	12°51	n.a.	S 24
M25	1 51 14	26°41'34	5♍42	10°12	5°37	23°31	13°50	29°46	26° 9	19° 4	3°57	29°30	29° 2	12°57	n.a.	M25
T 26	1 55 11	27°42'30	20°26	11°42	5° 3	24°10	13°58	29°42	26°10	19° 6	4° 0	29°24	28°59	13° 4	n.a.	T 26
W27	1 59 7	28°43'28	5♎20	13°12	4°29	24°50	14° 5	29°38	26°10	19° 7	4° 2	29°15	28°56	13°11	n.a.	W27
T 28	2 3 4	29°44'27	20°15	14°42	3°54	25°30	14°12	29°34	26°11	19° 9	4° 4	29° 4	28°53	13°17	n.a.	T 28
F 29	2 7 0	0♏45'27	5♏ 3	16°11	3°18	26°10	14°19	29°30	26°11	19°11	4° 7	28°51	28°49	13°24	n.a.	F 29
S 30	2 10 57	1°46'29	19°34	17°40	2°42	26°50	14°26	29°26	26°12	19°12	4° 9	28°39	28°46	13°31	n.a.	S 30
S 31	2 14 54	2♏47'31	3♐42	19♏ 9	2♏ 6	27♑31	14♌32	29♓23	26♋12	19♐14	4♏11	28♋29	28♋43	13♓37	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s59	5s51	5n 3	0s34	0n35	20s19	6s10	26s12	2s42	18n49	0n57	2s 0	2s53	21n53	0n36	22s27	0n49	1s45	11n39	20n 2	20n21	10s52		n.a.
S 2	1 23	10 46	5 0	1 19	0 29	20 28	6 12	26 7	2 40	18 46	0 57	2 2	2 53	21 53	0 36	22 27	0 49	1 45	11 39	20 4	20 22	10 50		n.a.
S 3	1 48	14 57	4 38	2 4	0 22	20 35	6 13	26 3	2 38	18 43	0 57	2 4	2 53	21 52	0 36	22 27	0 49	1 46	11 38	20 6	20 22	10 48		n.a.
M 4	2 12	18 11	4 0	2 49	0 16	20 41	6 15	25 58	2 36	18 41	0 58	2 5	2 53	21 52	0 36	22 27	0 49	1 47	11 38	20 7	20 23	10 46		n.a.
T 5	2 36	20 21	3 12	3 33	0 9	20 46	6 16	25 53	2 34	18 38	0 58	2 7	2 53	21 52	0 36	22 27	0 49	1 48	11 38	20 7	20 24	10 44		n.a.
W 6	3 0	21 24	2 14	4 17	0 3	20 50	6 16	25 48	2 32	18 36	0 58	2 9	2 53	21 51	0 36	22 27	0 49	1 49	11 37	20 8	20 24	10 42		n.a.
T 7	3 24	21 23	1 13	5 1	0s 4	20 53	6 17	25 43	2 30	18 33	0 58	2 11	2 53	21 51	0 36	22 27	0 49	1 50	11 37	20 8	20 25	10 40		n.a.
F 8	3 49	20 20	0 9	5 44	0 11	20 55	6 16	25 37	2 28	18 31	0 58	2 13	2 53	21 51	0 36	22 27	0 49	1 51	11 37	20 7	20 26	10 38		n.a.
S 9	4 13	18 24	0s54	6 28	0 17	20 55	6 16	25 32	2 27	18 28	0 59	2 15	2 53	21 51	0 36	22 28	0 49	1 52	11 37	20 8	20 26	10 36		n.a.
S 10	4 37	15 42	1 55	7 10	0 24	20 54	6 14	25 26	2 25	18 26	0 59	2 17	2 53	21 50	0 36	22 28	0 48	1 53	11 37	20 8	20 27	10 34		n.a.
M11	5 1	12 21	2 50	7 53	0 30	20 52	6 13	25 20	2 23	18 23	0 59	2 19	2 53	21 50	0 36	22 28	0 48	1 54	11 36	20 9	20 28	10 32		n.a.
T 12	5 24	8 31	3 37	8 35	0 37	20 49	6 10	25 14	2 21	18 21	0 59	2 21	2 53	21 50	0 36	22 28	0 48	1 55	11 36	20 11	20 28	10 30		n.a.
W13	5 48	4 19	4 16	9 16	0 43	20 44	6 7	25 8	2 19	18 19	0 59	2 22	2 53	21 50	0 36	22 28	0 48	1 56	11 36	20 13	20 29	10 28		n.a.
T 14	6 12	0n 4	4 43	9 57	0 49	20 38	6 4	25 1	2 17	18 16	1 0	2 24	2 52	21 49	0 36	22 28	0 48	1 57	11 36	20 16	20 30	10 26		n.a.
F 15	6 36	4 30	4 58	10 38	0 55	20 31	6 0	24 54	2 16	18 14	1 0	2 26	2 52	21 49	0 36	22 28	0 48	1 58	11 35	20 19	20 30	10 24		n.a.
S 16	6 59	8 49	4 59	11 18	1 2	20 22	5 55	24 47	2 14	18 12	1 0	2 28	2 52	21 49	0 36	22 29	0 48	1 59	11 35	20 22	20 31	10 22		n.a.
S 17	7 22	12 49	4 46	11 57	1 8	20 11	5 50	24 40	2 12	18 10	1 0	2 29	2 52	21 49	0 36	22 29	0 48	2 0	11 35	20 25	20 32	10 20		n.a.
M18	7 46	16 19	4 19	12 36	1 13	20 0	5 44	24 33	2 10	18 7	1 1	2 31	2 52	21 49	0 36	22 29	0 48	2 1	11 35	20 27	20 32	10 18		n.a.
T 19	8 9	19 6	3 38	13 14	1 19	19 46	5 37	24 26	2 9	18 5	1 1	2 33	2 52	21 48	0 36	22 29	0 48	2 1	11 35	20 29	20 33	10 16		n.a.
W20	8 32	20 56	2 46	13 52	1 25	19 32	5 29	24 18	2 7	18 3	1 1	2 34	2 52	21 48	0 36	22 29	0 48	2 2	11 35	20 30	20 34	10 14		n.a.
T 21	8 55	21 41	1 43	14 28	1 30	19 16	5 21	24 10	2 5	18 1	1 1	2 36	2 52	21 48	0 36	22 29	0 48	2 3	11 34	20 30	20 34	10 12		n.a.
F 22	9 18	21 10	0 34	15 5	1 36	18 58	5 12	24 2	2 3	17 59	1 2	2 38	2 51	21 48	0 36	22 29	0 48	2 4	11 34	20 30	20 35	10 10		n.a.
S 23	9 41	19 23	0n39	15 40	1 41	18 40	5 3	23 54	2 2	17 57	1 2	2 39	2 51	21 48	0 36	22 30	0 48	2 5	11 34	20 30	20 36	10 8		n.a.
S 24	10 3	16 22	1 52	16 15	1 45	18 19	4 52	23 45	2 0	17 55	1 2	2 41	2 51	21 48	0 37	22 30	0 48	2 6	11 34	20 31	20 36	10 6		n.a.
M25	10 25	12 18	2 58	16 48	1 50	17 58	4 41	23 37	1 58	17 53	1 2	2 42	2 51	21 48	0 37	22 30	0 48	2 7	11 34	20 31	20 37	10 4		n.a.
T 26	10 48	7 25	3 54	17 21	1 55	17 36	4 30	23 28	1 56	17 51	1 2	2 44	2 51	21 48	0 37	22 30	0 48	2 8	11 34	20 33	20 38	10 2		n.a.
W27	11 10	2 3	4 35	17 53	1 59	17 13	4 17	23 19	1 55	17 49	1 3	2 45	2 51	21 47	0 37	22 30	0 48	2 9	11 34	20 34	20 38	10 0		n.a.
T 28	11 32	3s27	4 57	18 25	2 3	16 48	4 4	23 10	1 53	17 47	1 3	2 47	2 50	21 47	0 37	22 30	0 48	2 10	11 34	20 37	20 39	9 58		n.a.
F 29	11 53	8 41	4 58	18 55	2 6	16 23	3 51	23 1	1 51	17 45	1 3	2 48	2 50	21 47	0 37	22 31	0 48	2 10	11 33	20 39	20 40	9 56		n.a.
S 30	12 15	13 21	4 41	19 24	2 10	15 58	3 37	22 51	1 50	17 44	1 4	2 49	2 50	21 47	0 37	22 31	0 48	2 11	11 33	20 42	20 40	9 54		n.a.
S 31	12s36	17s 9	4n 6	19s51	2s12	15s31	3s23	22s42	1s48	17n42	1n 4	2s51	2s50	21n47	0n37	22s31	0n48	2s12	11n33	20n44	20n41	9s52		n.a.

Julian Day Number = 1547472.5, Delta T = 04h33m15s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°39'00, Lahiri = -10°32'00 Julian Calendar 1 Oct. 477 BCE == Greg. Calendar 26 Sept. 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

NOVEMBER 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 18 50	3♏48'34	17♐23	20♏36	1°R30	28♑11	14♌39	29°R19	26♋13	19♐16	4♏14	28°R21	28♋40	13♓44	n.a.	M 1
T 2	2 22 47	4°49'39	0♑37	22° 4	0♏54	28°51	14°45	29♓16	26°13	19°17	4°16	28♋16	28°37	13°51	n.a.	T 2
W 3	2 26 43	5°50'43	13°24	23°30	0°18	29°31	14°51	29°12	26°13	19°19	4°18	28°13	28°33	13°57	n.a.	W 3
T 4	2 30 40	6°51'49	25°48	24°55	29♎44	0♒12	14°57	29° 9	26°13	19°21	4°21	28°D13	28°30	14° 4	n.a.	T 4
F 5	2 34 36	7°52'55	7♒56	26°19	29°10	0°52	15° 3	29° 5	26°13	19°23	4°23	28°R13	28°27	14°11	n.a.	F 5
S 6	2 38 33	8°54'02	19°52	27°42	28°38	1°33	15° 9	29° 2	26°13	19°25	4°25	28°12	28°24	14°17	n.a.	S 6
S 7	2 42 29	9°55'09	1♓42	29° 4	28° 8	2°13	15°15	28°59	26°R13	19°26	4°28	28°10	28°21	14°24	n.a.	S 7
M 8	2 46 26	10°56'17	13°30	0♐23	27°39	2°54	15°20	28°56	26°13	19°28	4°30	28° 6	28°18	14°31	n.a.	M 8
T 9	2 50 23	11°57'26	25°22	1°41	27°11	3°35	15°25	28°53	26°13	19°30	4°32	27°59	28°14	14°38	n.a.	T 9
W10	2 54 19	12°58'34	7♈22	2°56	26°46	4°15	15°30	28°51	26°13	19°32	4°35	27°49	28°11	14°44	n.a.	W10
T 11	2 58 16	13°59'44	19°31	4° 8	26°23	4°56	15°35	28°48	26°13	19°34	4°37	27°37	28° 8	14°51	n.a.	T 11
F 12	3 2 12	15° 0'54	1♉53	5°18	26° 3	5°37	15°40	28°45	26°13	19°36	4°39	27°23	28° 5	14°58	n.a.	F 12
S 13	3 6 9	16° 2'04	14°27	6°23	25°44	6°17	15°45	28°43	26°12	19°38	4°42	27°10	28° 2	15° 4	n.a.	S 13
S 14	3 10 5	17° 3'16	27°13	7°24	25°28	6°58	15°49	28°40	26°12	19°40	4°44	26°57	27°58	15°11	n.a.	S 14
M15	3 14 2	18° 4'27	10♊11	8°20	25°14	7°39	15°53	28°38	26°11	19°42	4°46	26°47	27°55	15°18	n.a.	M15
T 16	3 17 58	19° 5'40	23°20	9°11	25° 3	8°20	15°57	28°36	26°11	19°44	4°49	26°40	27°52	15°24	n.a.	T 16
W17	3 21 55	20° 6'53	6♋39	9°54	24°55	9° 1	16° 1	28°34	26°10	19°46	4°51	26°36	27°49	15°31	n.a.	W17
T 18	3 25 52	21° 8'07	20° 9	10°31	24°49	9°42	16° 5	28°32	26°10	19°48	4°53	26°34	27°46	15°38	n.a.	T 18
F 19	3 29 48	22° 9'21	3♌49	10°59	24°45	10°23	16° 9	28°30	26° 9	19°50	4°56	26°D34	27°43	15°44	n.a.	F 19
S 20	3 33 45	23°10'36	17°39	11°18	24°D44	11° 4	16°12	28°28	26° 8	19°52	4°58	26°R34	27°39	15°51	n.a.	S 20
S 21	3 37 41	24°11'52	1♍41	11°R27	24°45	11°45	16°15	28°26	26° 8	19°54	5° 0	26°34	27°36	15°58	n.a.	S 21
M22	3 41 38	25°13'08	15°53	11°26	24°49	12°26	16°18	28°25	26° 7	19°56	5° 2	26°32	27°33	16° 5	n.a.	M22
T 23	3 45 34	26°14'24	0♎15	11°12	24°55	13° 7	16°21	28°23	26° 6	19°58	5° 5	26°28	27°30	16°11	n.a.	T 23
W24	3 49 31	27°15'41	14°42	10°48	25° 4	13°48	16°24	28°22	26° 5	20° 1	5° 7	26°21	27°27	16°18	n.a.	W24
T 25	3 53 28	28°16'59	29°10	10°11	25°15	14°29	16°26	28°21	26° 4	20° 3	5° 9	26°13	27°24	16°25	n.a.	T 25
F 26	3 57 24	29°18'16	13♏33	9°23	25°28	15°10	16°28	28°19	26° 3	20° 5	5°11	26° 3	27°20	16°31	n.a.	F 26
S 27	4 1 21	0♐19'34	27°44	8°24	25°43	15°51	16°30	28°18	26° 2	20° 7	5°13	25°53	27°17	16°38	n.a.	S 27
S 28	4 5 17	1°20'52	11♐37	7°17	26° 0	16°32	16°32	28°18	26° 1	20° 9	5°16	25°45	27°14	16°45	n.a.	S 28
M29	4 9 14	2°22'10	25°10	6° 3	26°19	17°13	16°34	28°17	26° 0	20°11	5°18	25°38	27°11	16°51	n.a.	M29
T 30	4 13 10	3♐23'28	8♑20	4♐43	26♎40	17♒54	16♌36	28♓16	25♋58	20♐14	5♏20	25♋34	27♋ 8	16♓58	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s57	19s52	3n18	20s18	2s15	15s 5	3s 8	22s32	1s46	17n40	1n 4	2s52	2s50	21n47	0n37	22s31	0n48	2s13	11n33	20n46	20n42	9s50		n.a.
T 2	13 18	21 25	2 21	20 44	2 17	14 38	2 53	22 22	1 45	17 39	1 4	2 53	2 50	21 47	0 37	22 31	0 48	2 14	11 33	20 47	20 42	9 48		n.a.
W 3	13 39	21 47	1 18	21 8	2 19	14 11	2 38	22 12	1 43	17 37	1 5	2 54	2 49	21 47	0 37	22 31	0 48	2 15	11 33	20 47	20 43	9 46		n.a.
T 4	13 59	21 3	0 13	21 31	2 20	13 44	2 22	22 2	1 42	17 35	1 5	2 55	2 49	21 47	0 37	22 32	0 48	2 15	11 33	20 47	20 44	9 44		n.a.
F 5	14 19	19 21	0s51	21 52	2 21	13 18	2 7	21 51	1 40	17 34	1 5	2 57	2 49	21 47	0 37	22 32	0 48	2 16	11 33	20 47	20 44	9 42		n.a.
S 6	14 39	16 49	1 52	22 12	2 21	12 52	1 51	21 40	1 38	17 33	1 5	2 58	2 49	21 47	0 37	22 32	0 48	2 17	11 33	20 47	20 45	9 40		n.a.
S 7	14 59	13 37	2 47	22 30	2 21	12 26	1 36	21 30	1 37	17 31	1 6	2 59	2 48	21 47	0 37	22 32	0 48	2 18	11 33	20 48	20 46	9 38		n.a.
M 8	15 18	9 52	3 35	22 46	2 20	12 1	1 20	21 19	1 35	17 30	1 6	3 0	2 48	21 47	0 37	22 32	0 48	2 19	11 33	20 49	20 46	9 36		n.a.
T 9	15 37	5 45	4 14	23 1	2 18	11 36	1 5	21 8	1 34	17 28	1 6	3 1	2 48	21 47	0 37	22 32	0 48	2 20	11 33	20 50	20 47	9 34		n.a.
W10	15 56	1 21	4 42	23 14	2 16	11 13	0 49	20 56	1 32	17 27	1 6	3 1	2 48	21 47	0 37	22 33	0 47	2 20	11 33	20 52	20 48	9 32		n.a.
T 11	16 15	3n 9	4 58	23 25	2 12	10 51	0 34	20 45	1 31	17 26	1 7	3 2	2 47	21 48	0 37	22 33	0 47	2 21	11 33	20 55	20 48	9 30		n.a.
F 12	16 33	7 35	5 0	23 34	2 8	10 29	0 19	20 33	1 29	17 25	1 7	3 3	2 47	21 48	0 37	22 33	0 47	2 22	11 33	20 57	20 49	9 27		n.a.
S 13	16 51	11 48	4 48	23 41	2 3	10 9	0 5	20 21	1 28	17 24	1 7	3 4	2 47	21 48	0 37	22 33	0 47	2 23	11 33	21 0	20 50	9 25		n.a.
S 14	17 9	15 34	4 21	23 45	1 57	9 50	0n 9	20 10	1 26	17 23	1 8	3 5	2 47	21 48	0 37	22 33	0 47	2 23	11 33	21 2	20 50	9 23		n.a.
M15	17 26	18 38	3 40	23 47	1 50	9 32	0 23	19 57	1 25	17 22	1 8	3 5	2 46	21 48	0 37	22 34	0 47	2 24	11 33	21 4	20 51	9 21		n.a.
T 16	17 43	20 48	2 47	23 47	1 42	9 16	0 36	19 45	1 23	17 21	1 8	3 6	2 46	21 48	0 37	22 34	0 47	2 25	11 33	21 6	20 52	9 19		n.a.
W17	18 0	21 51	1 44	23 45	1 32	9 0	0 49	19 33	1 22	17 20	1 8	3 7	2 46	21 48	0 37	22 34	0 47	2 26	11 33	21 7	20 52	9 17		n.a.
T 18	18 17	21 39	0 34	23 39	1 21	8 47	1 2	19 20	1 20	17 19	1 9	3 7	2 46	21 48	0 38	22 34	0 47	2 26	11 33	21 7	20 53	9 15		n.a.
F 19	18 33	20 11	0n39	23 31	1 9	8 34	1 14	19 8	1 19	17 18	1 9	3 8	2 45	21 49	0 38	22 34	0 47	2 27	11 33	21 7	20 53	9 13		n.a.
S 20	18 49	17 29	1 50	23 21	0 56	8 23	1 25	18 55	1 17	17 17	1 9	3 8	2 45	21 49	0 38	22 34	0 47	2 28	11 33	21 7	20 54	9 11		n.a.
S 21	19 4	13 45	2 56	23 7	0 41	8 13	1 36	18 42	1 16	17 17	1 10	3 9	2 45	21 49	0 38	22 35	0 47	2 28	11 33	21 7	20 55	9 9		n.a.
M22	19 19	9 11	3 52	22 51	0 24	8 5	1 47	18 29	1 14	17 16	1 10	3 9	2 45	21 49	0 38	22 35	0 47	2 29	11 33	21 7	20 55	9 7		n.a.
T 23	19 34	4 4	4 34	22 32	0 7	7 57	1 57	18 16	1 13	17 15	1 10	3 9	2 44	21 49	0 38	22 35	0 47	2 30	11 33	21 8	20 56	9 4		n.a.
W24	19 48	1s17	4 58	22 10	0n12	7 52	2 7	18 3	1 12	17 15	1 10	3 10	2 44	21 50	0 38	22 35	0 47	2 30	11 33	21 9	20 57	9 2		n.a.
T 25	20 2	6 35	5 4	21 45	0 31	7 47	2 16	17 49	1 10	17 14	1 11	3 10	2 44	21 50	0 38	22 35	0 47	2 31	11 33	21 11	20 57	9 0		n.a.
F 26	20 16	11 29	4 51	21 18	0 51	7 44	2 25	17 36	1 9	17 14	1 11	3 10	2 43	21 50	0 38	22 36	0 47	2 32	11 33	21 13	20 58	8 58		n.a.
S 27	20 29	15 42	4 19	20 49	1 11	7 41	2 33	17 22	1 7	17 14	1 11	3 10	2 43	21 50	0 38	22 36	0 47	2 32	11 33	21 15	20 58	8 56		n.a.
S 28	20 42	18 57	3 33	20 19	1 31	7 40	2 41	17 8	1 6	17 13	1 12	3 10	2 43	21 50	0 38	22 36	0 47	2 33	11 33	21 16	20 59	8 54		n.a.
M29	20 54	21 4	2 36	19 47	1 50	7 40	2 48	16 54	1 5	17 13	1 12	3 10	2 43	21 51	0 38	22 36	0 47	2 34	11 33	21 18	21 0	8 52		n.a.
T 30	21s 6	21s58	1n31	19s16	2n 8	7s42	2n56	16s40	1s 3	17n13	1n12	3s10	2s42	21n51	0n38	22s36	0n47	2s34	11n33	21n18	21n 0	8s50		n.a.

Julian Day Number = 1547503.5, Delta T = 04h33m14s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'56, Lahiri = -10°31'55 Julian Calendar 1 Nov. 477 BCE == Greg. Calendar 27 Oct. 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 477 BCE
geocentric

DECEMBER 477 BCE (-476) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 17 7	4♐24'45	21♉ 7	3°R22	27♎ 3	18♒36	16♌37	28°R15	25°R57	20♐16	5♏22	25°D33	27♋ 4	17♓ 5	n.a.	W 1
T 2	4 21 3	5°26'02	3♒34	2♐ 2	27°28	19°17	16°38	28♓15	25♋56	20°18	5°24	25♋33	27° 1	17°11	n.a.	T 2
F 3	4 25 0	6°27'19	15°45	0°45	27°55	19°58	16°39	28°15	25°54	20°20	5°26	25°34	26°58	17°18	n.a.	F 3
S 4	4 28 57	7°28'35	27°43	29♏33	28°23	20°39	16°40	28°14	25°53	20°22	5°28	25°35	26°55	17°25	n.a.	S 4
S 5	4 32 53	8°29'50	9♓35	28°28	28°53	21°20	16°40	28°14	25°52	20°25	5°30	25°R36	26°52	17°32	n.a.	S 5
M 6	4 36 50	9°31'05	21°25	27°32	29°24	22° 2	16°41	28°D14	25°50	20°27	5°33	25°35	26°49	17°38	n.a.	M 6
T 7	4 40 46	10°32'19	3♈18	26°45	29°57	22°43	16°R41	28°14	25°48	20°29	5°35	25°32	26°45	17°45	n.a.	T 7
W 8	4 44 43	11°33'33	15°20	26° 8	0♏32	23°24	16°41	28°15	25°47	20°31	5°37	25°27	26°42	17°52	n.a.	W 8
T 9	4 48 39	12°34'46	27°34	25°41	1° 8	24° 5	16°41	28°15	25°45	20°34	5°39	25°21	26°39	17°58	n.a.	T 9
F 10	4 52 36	13°35'58	10♉ 3	25°24	1°45	24°46	16°40	28°15	25°44	20°36	5°41	25°13	26°36	18° 5	n.a.	F 10
S 11	4 56 32	14°37'10	22°49	25°D16	2°23	25°28	16°40	28°16	25°42	20°38	5°42	25° 5	26°33	18°12	n.a.	S 11
S 12	5 0 29	15°38'21	5♊52	25°17	3° 3	26° 9	16°39	28°17	25°40	20°40	5°44	24°58	26°30	18°18	n.a.	S 12
M13	5 4 26	16°39'32	19°11	25°27	3°44	26°50	16°38	28°17	25°38	20°43	5°46	24°52	26°26	18°25	n.a.	M13
T 14	5 8 22	17°40'42	2♋45	25°43	4°26	27°31	16°37	28°18	25°36	20°45	5°48	24°49	26°23	18°32	n.a.	T 14
W15	5 12 19	18°41'51	16°30	26° 7	5° 9	28°13	16°35	28°19	25°34	20°47	5°50	24°47	26°20	18°38	n.a.	W15
T 16	5 16 15	19°43'00	0♌25	26°37	5°53	28°54	16°34	28°21	25°33	20°49	5°52	24°D46	26°17	18°45	n.a.	T 16
F 17	5 20 12	20°44'08	14°27	27°12	6°39	29°35	16°32	28°22	25°31	20°52	5°54	24°47	26°14	18°52	n.a.	F 17
S 18	5 24 8	21°45'16	28°33	27°53	7°25	0♓16	16°30	28°23	25°29	20°54	5°56	24°49	26°10	18°59	n.a.	S 18
S 19	5 28 5	22°46'23	12♍41	28°38	8°12	0°57	16°28	28°25	25°26	20°56	5°57	24°50	26° 7	19° 5	n.a.	S 19
M20	5 32 2	23°47'30	26°50	29°28	9° 0	1°38	16°25	28°26	25°24	20°59	5°59	24°R51	26° 4	19°12	n.a.	M20
T 21	5 35 58	24°48'36	10♎59	0♐21	9°49	2°20	16°23	28°28	25°22	21° 1	6° 1	24°50	26° 1	19°19	n.a.	T 21
W22	5 39 55	25°49'41	25° 5	1°18	10°39	3° 1	16°20	28°30	25°20	21° 3	6° 3	24°47	25°58	19°25	n.a.	W22
T 23	5 43 51	26°50'46	9♏ 5	2°18	11°30	3°42	16°17	28°32	25°18	21° 5	6° 4	24°44	25°55	19°32	n.a.	T 23
F 24	5 47 48	27°51'50	22°58	3°20	12°21	4°23	16°14	28°34	25°16	21° 8	6° 6	24°39	25°51	19°39	n.a.	F 24
S 25	5 51 44	28°52'53	6♐40	4°26	13°13	5° 4	16°11	28°36	25°14	21°10	6° 8	24°35	25°48	19°45	n.a.	S 25
S 26	5 55 41	29°53'55	20° 8	5°33	14° 6	5°45	16° 8	28°38	25°11	21°12	6° 9	24°32	25°45	19°52	n.a.	S 26
M27	5 59 37	0♉54'57	3♉21	6°43	14°59	6°27	16° 4	28°40	25° 9	21°14	6°11	24°29	25°42	19°59	n.a.	M27
T 28	6 3 34	1°55'57	16°17	7°54	15°53	7° 8	16° 0	28°43	25° 7	21°17	6°12	24°27	25°39	20° 6	n.a.	T 28
W29	6 7 31	2°56'56	28°56	9° 7	16°48	7°49	15°56	28°45	25° 4	21°19	6°14	24°D27	25°36	20°12	n.a.	W29
T 30	6 11 27	3°57'53	11♒19	10°22	17°43	8°30	15°52	28°48	25° 2	21°21	6°15	24°28	25°32	20°19	n.a.	T 30
F 31	6 15 24	4♉58'49	23♒29	11♐39	18♏39	9♓11	15♌48	28♓51	25♋ 0	21♐23	6♏17	24♋30	25♋29	20♓26	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	21s18	21s41	0n24	18s45	2n24	7s44	3n 2	16s26	1s 2	17n13	1n13	3s10	2s42	21n51	0n38	22s36	0n47	2s35	11n33	21n19	21n 1	8s47			n.a.
T 2	21 29	20 18	0s43	18 15	2 38	7 47	3 8	16 12	1 1	17 13	1 13	3 10	2 42	21 52	0 38	22 37	0 47	2 35	11 34	21 19	21 2	8 45			n.a.
F 3	21 40	18 1	1 47	17 48	2 50	7 51	3 14	15 57	0 59	17 13	1 13	3 10	2 41	21 52	0 38	22 37	0 47	2 36	11 34	21 18	21 2	8 43			n.a.
S 4	21 51	15 0	2 45	17 23	3 0	7 56	3 20	15 43	0 58	17 13	1 13	3 10	2 41	21 52	0 38	22 37	0 47	2 37	11 34	21 18	21 3	8 41			n.a.
S 5	22 0	11 23	3 35	17 2	3 7	8 2	3 25	15 28	0 57	17 13	1 14	3 10	2 41	21 52	0 38	22 37	0 47	2 37	11 34	21 18	21 3	8 39			n.a.
M 6	22 10	7 22	4 16	16 45	3 12	8 9	3 29	15 13	0 56	17 13	1 14	3 10	2 41	21 53	0 38	22 37	0 47	2 38	11 34	21 18	21 4	8 37			n.a.
T 7	22 19	3 2	4 46	16 31	3 15	8 16	3 34	14 59	0 54	17 13	1 14	3 9	2 40	21 53	0 38	22 38	0 47	2 38	11 34	21 19	21 5	8 35			n.a.
W 8	22 28	1n27	5 4	16 22	3 16	8 25	3 38	14 44	0 53	17 14	1 15	3 9	2 40	21 53	0 38	22 38	0 47	2 39	11 34	21 20	21 5	8 33			n.a.
T 9	22 36	5 57	5 9	16 17	3 15	8 34	3 41	14 29	0 52	17 14	1 15	3 8	2 40	21 54	0 38	22 38	0 47	2 39	11 34	21 21	21 6	8 30			n.a.
F 10	22 44	10 18	4 59	16 15	3 12	8 43	3 45	14 14	0 51	17 14	1 15	3 8	2 39	21 54	0 38	22 38	0 47	2 40	11 35	21 22	21 7	8 28			n.a.
S 11	22 51	14 18	4 34	16 17	3 8	8 54	3 48	13 58	0 49	17 15	1 16	3 7	2 39	21 55	0 38	22 38	0 47	2 40	11 35	21 24	21 7	8 26			n.a.
S 12	22 58	17 43	3 54	16 23	3 3	9 5	3 50	13 43	0 48	17 15	1 16	3 7	2 39	21 55	0 38	22 38	0 47	2 41	11 35	21 25	21 8	8 24			n.a.
M13	23 4	20 17	3 1	16 31	2 57	9 17	3 53	13 28	0 47	17 16	1 16	3 6	2 38	21 55	0 38	22 39	0 47	2 41	11 35	21 26	21 8	8 22			n.a.
T 14	23 10	21 46	1 57	16 41	2 50	9 29	3 55	13 12	0 46	17 17	1 16	3 6	2 38	21 56	0 38	22 39	0 47	2 42	11 35	21 27	21 9	8 20			n.a.
W15	23 16	21 58	0 45	16 54	2 42	9 41	3 57	12 57	0 44	17 17	1 17	3 5	2 38	21 56	0 38	22 39	0 47	2 42	11 35	21 27	21 10	8 17			n.a.
T 16	23 21	20 50	0n31	17 9	2 35	9 54	3 59	12 41	0 43	17 18	1 17	3 4	2 38	21 56	0 39	22 39	0 47	2 42	11 36	21 27	21 10	8 15			n.a.
F 17	23 25	18 23	1 45	17 25	2 26	10 8	4 0	12 25	0 42	17 19	1 17	3 3	2 37	21 57	0 39	22 39	0 47	2 43	11 36	21 27	21 11	8 13			n.a.
S 18	23 29	14 51	2 54	17 43	2 17	10 22	4 1	12 10	0 41	17 20	1 18	3 3	2 37	21 57	0 39	22 39	0 47	2 43	11 36	21 27	21 11	8 11			n.a.
S 19	23 33	10 27	3 52	18 2	2 9	10 36	4 2	11 54	0 40	17 21	1 18	3 2	2 37	21 58	0 39	22 40	0 47	2 44	11 36	21 26	21 12	8 9			n.a.
M20	23 36	5 29	4 37	18 21	1 59	10 51	4 3	11 38	0 39	17 22	1 18	3 1	2 36	21 58	0 39	22 40	0 47	2 44	11 36	21 26	21 13	8 7			n.a.
T 21	23 39	0 15	5 4	18 42	1 50	11 6	4 3	11 22	0 37	17 23	1 19	3 0	2 36	21 58	0 39	22 40	0 47	2 44	11 37	21 26	21 13	8 4			n.a.
W22	23 41	4s59	5 13	19 2	1 41	11 22	4 3	11 6	0 36	17 24	1 19	2 59	2 36	21 59	0 39	22 40	0 47	2 45	11 37	21 27	21 14	8 2			n.a.
T 23	23 43	9 55	5 3	19 24	1 32	11 37	4 3	10 50	0 35	17 25	1 19	2 58	2 35	21 59	0 39	22 40	0 47	2 45	11 37	21 28	21 14	8 0			n.a.
F 24	23 44	14 18	4 36	19 45	1 22	11 53	4 3	10 33	0 34	17 26	1 19	2 57	2 35	22 0	0 39	22 40	0 47	2 45	11 37	21 28	21 15	7 58			n.a.
S 25	23 45	17 53	3 53	20 6	1 13	12 9	4 3	10 17	0 33	17 27	1 20	2 56	2 35	22 0	0 39	22 41	0 47	2 46	11 37	21 29	21 16	7 56			n.a.
S 26	23 45	20 26	2 58	20 28	1 4	12 25	4 2	10 1	0 32	17 29	1 20	2 54	2 35	22 1	0 39	22 41	0 47	2 46	11 38	21 30	21 16	7 53			n.a.
M27	23 45	21 49	1 54	20 49	0 55	12 42	4 1	9 44	0 31	17 30	1 20	2 53	2 34	22 1	0 39	22 41	0 47	2 46	11 38	21 30	21 17	7 51			n.a.
T 28	23 44	22 0	0 45	21 9	0 46	12 58	4 0	9 28	0 30	17 32	1 21	2 52	2 34	22 2	0 39	22 41	0 47	2 46	11 38	21 30	21 17	7 49			n.a.
W29	23 43	21 3	0s25	21 30	0 37	13 15	3 59	9 11	0 29	17 33	1 21	2 51	2 34	22 2	0 39	22 41	0 47	2 47	11 38	21 30	21 18	7 47			n.a.
T 30	23 41	19 4	1 32	21 50	0 28	13 32	3 58	8 55	0 28	17 35	1 21	2 49	2 33	22 2	0 39	22 41	0 47	2 47	11 39	21 30	21 19	7 45			n.a.
F 31	23s39	16s17	2s33	22s 9	0n20	13s49	3n57	8s38	0s27	17n36	1n21	2s48	2s33	22n 3	0n39	22s42	0n47	2s47	11n39	21n30	21n19	7s42			n.a.

Julian Day Number = 1547533.5, Delta T = 04h33m12s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'52, Lahiri = -10°31'51 Julian Calendar 1 Dec. 477 BCE == Greg. Calendar 26 Nov. 477 BCE

The year -476 astronomical counting style corresponds to year 477 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

JANUARY 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 19 20	5♑59'44	5♓28	12♐57	19♏35	9♓52	15°R43	28♓54	24°R57	21♐26	6♏18	24♋31	25♋26	20♓32	n.a.	S 1
S 2	6 23 17	7° 0'37	17°21	14°16	20°32	10°33	15♌39	28°57	24♋55	21°28	6°20	24°33	25°23	20°39	n.a.	S 2
M 3	6 27 13	8° 1'28	29°11	15°36	21°30	11°14	15°34	29° 0	24°52	21°30	6°21	24°34	25°20	20°46	n.a.	M 3
T 4	6 31 10	9° 2'18	11♈ 5	16°58	22°28	11°55	15°29	29° 3	24°50	21°32	6°22	24°R34	25°16	20°52	n.a.	T 4
W 5	6 35 6	10° 3'06	23° 6	18°21	23°26	12°36	15°24	29° 6	24°47	21°34	6°24	24°33	25°13	20°59	n.a.	W 5
T 6	6 39 3	11° 3'52	5♉20	19°45	24°25	13°17	15°18	29°10	24°45	21°37	6°25	24°32	25°10	21° 6	n.a.	T 6
F 7	6 43 0	12° 4'37	17°50	21° 9	25°24	13°58	15°13	29°13	24°42	21°39	6°26	24°31	25° 7	21°13	n.a.	F 7
S 8	6 46 56	13° 5'20	0♊40	22°35	26°24	14°39	15° 7	29°17	24°40	21°41	6°27	24°29	25° 4	21°19	n.a.	S 8
S 9	6 50 53	14° 6'01	13°51	24° 2	27°24	15°20	15° 2	29°21	24°37	21°43	6°29	24°28	25° 1	21°26	n.a.	S 9
M10	6 54 49	15° 6'41	27°24	25°30	28°24	16° 1	14°56	29°24	24°35	21°45	6°30	24°26	24°57	21°33	n.a.	M10
T 11	6 58 46	16° 7'19	11♋17	26°59	29°25	16°42	14°50	29°28	24°32	21°47	6°31	24°26	24°54	21°39	n.a.	T 11
W12	7 2 42	17° 7'56	25°28	28°29	0♐27	17°23	14°44	29°32	24°29	21°49	6°32	24°D26	24°51	21°46	n.a.	W12
T 13	7 6 39	18° 8'31	9♌52	29°59	1°28	18° 4	14°38	29°36	24°27	21°52	6°33	24°26	24°48	21°53	n.a.	T 13
F 14	7 10 36	19° 9'04	24°23	1♑31	2°30	18°45	14°31	29°40	24°24	21°54	6°34	24°26	24°45	21°59	n.a.	F 14
S 15	7 14 32	20° 9'36	8♍56	3° 4	3°32	19°26	14°25	29°45	24°22	21°56	6°35	24°27	24°42	22° 6	n.a.	S 15
S 16	7 18 29	21°10'06	23°25	4°37	4°35	20° 7	14°18	29°49	24°19	21°58	6°36	24°27	24°38	22°13	n.a.	S 16
M17	7 22 25	22°10'35	7♎46	6°12	5°38	20°47	14°11	29°53	24°16	22° 0	6°37	24°27	24°35	22°20	n.a.	M17
T 18	7 26 22	23°11'02	21°57	7°47	6°41	21°28	14° 5	29°58	24°14	22° 2	6°38	24°R27	24°32	22°26	n.a.	T 18
W19	7 30 18	24°11'28	5♏54	9°23	7°45	22° 9	13°58	0♈ 3	24°11	22° 4	6°39	24°D27	24°29	22°33	n.a.	W19
T 20	7 34 15	25°11'53	19°38	11° 1	8°48	22°50	13°51	0° 7	24° 8	22° 6	6°40	24°27	24°26	22°40	n.a.	T 20
F 21	7 38 11	26°12'16	3♐ 8	12°39	9°52	23°30	13°44	0°12	24° 6	22° 8	6°40	24°27	24°22	22°46	n.a.	F 21
S 22	7 42 8	27°12'37	16°23	14°18	10°57	24°11	13°36	0°17	24° 3	22°10	6°41	24°28	24°19	22°53	n.a.	S 22
S 23	7 46 5	28°12'57	29°25	15°58	12° 1	24°52	13°29	0°22	24° 1	22°12	6°42	24°28	24°16	23° 0	n.a.	S 23
M24	7 50 1	29°13'15	12♑14	17°39	13° 6	25°32	13°22	0°27	23°58	22°14	6°43	24°28	24°13	23° 6	n.a.	M24
T 25	7 53 58	0♒13'32	24°51	19°21	14°11	26°13	13°14	0°32	23°55	22°16	6°43	24°R28	24°10	23°13	n.a.	T 25
W26	7 57 54	1°13'46	7♒15	21° 4	15°16	26°54	13° 7	0°37	23°53	22°17	6°44	24°28	24° 7	23°20	n.a.	W26
T 27	8 1 51	2°13'58	19°29	22°48	16°22	27°34	12°59	0°42	23°50	22°19	6°45	24°28	24° 3	23°27	n.a.	T 27
F 28	8 5 47	3°14'09	1♓33	24°33	17°27	28°15	12°52	0°48	23°48	22°21	6°45	24°27	24° 0	23°33	n.a.	F 28
S 29	8 9 44	4°14'17	13°30	26°20	18°33	28°56	12°44	0°53	23°45	22°23	6°46	24°25	23°57	23°40	n.a.	S 29
S 30	8 13 40	5°14'23	25°22	28° 7	19°39	29°36	12°36	0°59	23°42	22°25	6°46	24°24	23°54	23°47	n.a.	S 30
M31	8 17 37	6♒14'27	7♈13	29♑55	20♐45	0♈17	12♌29	1♈ 4	23♋40	22♐26	6♏47	24♋22	23♋51	23♓53	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23s37	12s50	3s28	22s28	0n11	14s 5	3n55	8s22	0s25	17n38	1n22	2s47	2s33	22n 3	0n39	22s42	0n47	2s47	11n39	21n30	21n20	7s40		n.a.	S 1
S 2	23 34	8 55	4 12	22 46	0 3	14 22	3 53	8 5	0 24	17 39	1 22	2 45	2 33	22 4	0 39	22 42	0 47	2 48	11 39	21 30	21 20	7 38		n.a.	S 2
M 3	23 30	4 41	4 46	23 3	0s 5	14 39	3 51	7 48	0 23	17 41	1 22	2 44	2 32	22 4	0 39	22 42	0 47	2 48	11 40	21 29	21 21	7 36		n.a.	M 3
T 4	23 26	0 16	5 8	23 19	0 13	14 56	3 49	7 31	0 22	17 43	1 22	2 42	2 32	22 5	0 39	22 42	0 47	2 48	11 40	21 29	21 22	7 33		n.a.	T 4
W 5	23 22	4n12	5 16	23 35	0 21	15 13	3 47	7 15	0 21	17 45	1 23	2 40	2 32	22 5	0 39	22 42	0 47	2 48	11 40	21 29	21 22	7 31		n.a.	W 5
T 6	23 17	8 35	5 11	23 49	0 28	15 29	3 45	6 58	0 20	17 46	1 23	2 39	2 31	22 6	0 39	22 42	0 47	2 48	11 40	21 30	21 23	7 29		n.a.	T 6
F 7	23 12	12 43	4 51	24 3	0 36	15 46	3 42	6 41	0 19	17 48	1 23	2 37	2 31	22 6	0 39	22 43	0 47	2 49	11 41	21 30	21 23	7 27		n.a.	F 7
S 8	23 6	16 23	4 16	24 15	0 43	16 2	3 40	6 24	0 18	17 50	1 23	2 35	2 31	22 7	0 39	22 43	0 47	2 49	11 41	21 30	21 24	7 25		n.a.	S 8
S 9	23 0	19 21	3 26	24 26	0 49	16 19	3 37	6 7	0 17	17 52	1 24	2 34	2 31	22 7	0 39	22 43	0 47	2 49	11 41	21 30	21 24	7 22		n.a.	S 9
M10	22 53	21 19	2 24	24 36	0 56	16 35	3 34	5 50	0 16	17 54	1 24	2 32	2 30	22 8	0 39	22 43	0 47	2 49	11 42	21 31	21 25	7 20		n.a.	M10
T 11	22 46	22 4	1 12	24 45	1 2	16 51	3 32	5 33	0 15	17 56	1 24	2 30	2 30	22 8	0 39	22 43	0 47	2 49	11 42	21 31	21 26	7 18		n.a.	T 11
W12	22 38	21 25	0n 6	24 53	1 8	17 7	3 29	5 16	0 15	17 58	1 24	2 28	2 30	22 9	0 39	22 43	0 47	2 49	11 42	21 31	21 26	7 16		n.a.	W12
T 13	22 30	19 22	1 25	24 59	1 14	17 22	3 26	4 59	0 14	18 0	1 25	2 26	2 30	22 9	0 39	22 43	0 47	2 49	11 42	21 31	21 27	7 13		n.a.	T 13
F 14	22 22	16 3	2 39	25 4	1 20	17 38	3 22	4 42	0 13	18 2	1 25	2 24	2 29	22 10	0 39	22 43	0 47	2 49	11 43	21 31	21 27	7 11		n.a.	F 14
S 15	22 13	11 45	3 43	25 8	1 25	17 53	3 19	4 25	0 12	18 4	1 25	2 23	2 29	22 10	0 39	22 44	0 47	2 49	11 43	21 31	21 28	7 9		n.a.	S 15
S 16	22 4	6 48	4 32	25 10	1 30	18 7	3 16	4 8	0 11	18 7	1 25	2 21	2 29	22 11	0 39	22 44	0 47	2 49	11 43	21 31	21 29	7 7		n.a.	S 16
M17	21 54	1 32	5 4	25 11	1 35	18 22	3 12	3 51	0 10	18 9	1 25	2 19	2 28	22 11	0 39	22 44	0 47	2 49	11 44	21 31	21 29	7 4		n.a.	M17
T 18	21 44	3s46	5 17	25 10	1 39	18 36	3 9	3 34	0 9	18 11	1 26	2 16	2 28	22 11	0 39	22 44	0 47	2 49	11 44	21 31	21 30	7 2		n.a.	T 18
W19	21 33	8 46	5 11	25 8	1 43	18 50	3 5	3 17	0 8	18 13	1 26	2 14	2 28	22 12	0 39	22 44	0 47	2 49	11 44	21 31	21 30	7 0		n.a.	W19
T 20	21 22	13 16	4 47	25 4	1 47	19 4	3 2	3 0	0 7	18 15	1 26	2 12	2 28	22 12	0 39	22 44	0 47	2 49	11 44	21 31	21 31	6 58		n.a.	T 20
F 21	21 11	17 0	4 8	24 58	1 50	19 17	2 58	2 42	0 6	18 18	1 26	2 10	2 27	22 13	0 39	22 44	0 47	2 49	11 45	21 30	21 31	6 55		n.a.	F 21
S 22	20 59	19 48	3 16	24 51	1 53	19 30	2 54	2 25	0 5	18 20	1 26	2 8	2 27	22 13	0 39	22 44	0 47	2 49	11 45	21 30	21 32	6 53		n.a.	S 22
S 23	20 47	21 30	2 15	24 42	1 56	19 43	2 50	2 8	0 5	18 22	1 26	2 6	2 27	22 14	0 39	22 45	0 47	2 49	11 45	21 30	21 33	6 51		n.a.	S 23
M24	20 35	22 4	1 7	24 31	1 58	19 55	2 47	1 51	0 4	18 25	1 27	2 4	2 27	22 14	0 39	22 45	0 47	2 49	11 46	21 30	21 33	6 49		n.a.	M24
T 25	20 22	21 28	0s 2	24 19	2 0	20 7	2 43	1 34	0 3	18 27	1 27	2 1	2 27	22 15	0 39	22 45	0 47	2 49	11 46	21 30	21 34	6 46		n.a.	T 25
W26	20 9	19 50	1 10	24 4	2 1	20 18	2 39	1 17	0 2	18 29	1 27	1 59	2 26	22 15	0 39	22 45	0 47	2 49	11 46	21 30	21 34	6 44		n.a.	W26
T 27	19 55	17 18	2 14	23 48	2 2	20 29	2 35	1 0	0 1	18 31	1 27	1 57	2 26	22 16	0 39	22 45	0 47	2 49	11 47	21 30	21 35	6 42		n.a.	T 27
F 28	19 41	14 2	3 11	23 30	2 3	20 39	2 30	0 43	0 0	18 34	1 27	1 54	2 26	22 16	0 39	22 45	0 47	2 49	11 47	21 31	21 35	6 39		n.a.	F 28
S 29	19 27	10 15	3 59	23 11	2 3	20 49	2 26	0 25	0n 1	18 36	1 27	1 52	2 26	22 17	0 39	22 45	0 47	2 49	11 47	21 31	21 36	6 37		n.a.	S 29
S 30	19 12	6 5	4 37	22 49	2 3	20 59	2 22	0 8	0 1	18 38	1 28	1 49	2 25	22 17	0 39	22 45	0 47	2 48	11 48	21 31	21 36	6 35		n.a.	S 30
M31	18s57	1s43	5s 2	22s25	2s 2	21s 8	2n18	0n 9	0n 2	18n41	1n28	1s47	2s25	22n17	0n39	22s45	0n47	2s48	11n48	21n31	21n37	6s33		n.a.	M31

Julian Day Number = 1547564.5, Delta T = 04h33m11s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'48, Lahiri = -10°31'47 Julian Calendar 1 Jan. 476 BCE == Greg. Calendar 27 Dec. 477 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

FEBRUARY 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 21 33	7♒14'28	19♈ 6	1♒45	21♐51	0♈57	12°R21	1♈10	23°R37	22♐28	6♏47	24°R21	23♋48	24♓ 0	n.a.	T 1
W 2	8 25 30	8°14'28	1♉ 5	3°35	22°58	1°38	12♌13	1°16	23♋35	22°30	6°48	24♋20	23°44	24° 7	n.a.	W 2
T 3	8 29 27	9°14'25	13°16	5°27	24° 4	2°18	12° 5	1°21	23°32	22°32	6°48	24°D20	23°41	24°13	n.a.	T 3
F 4	8 33 23	10°14'19	25°42	7°19	25°11	2°59	11°58	1°27	23°30	22°33	6°48	24°21	23°38	24°20	n.a.	F 4
S 5	8 37 20	11°14'12	8♊28	9°13	26°18	3°39	11°50	1°33	23°27	22°35	6°49	24°22	23°35	24°27	n.a.	S 5
S 6	8 41 16	12°14'02	21°38	11° 8	27°25	4°19	11°42	1°39	23°25	22°37	6°49	24°23	23°32	24°34	n.a.	S 6
M 7	8 45 13	13°13'50	5♋13	13° 3	28°33	5° 0	11°34	1°45	23°22	22°38	6°49	24°24	23°28	24°40	n.a.	M 7
T 8	8 49 9	14°13'36	19°14	15° 0	29°40	5°40	11°26	1°51	23°20	22°40	6°49	24°R25	23°25	24°47	n.a.	T 8
W 9	8 53 6	15°13'19	3♌39	16°57	0♑48	6°20	11°19	1°57	23°18	22°41	6°49	24°25	23°22	24°54	n.a.	W 9
T 10	8 57 2	16°13'00	18°24	18°56	1°55	7° 1	11°11	2° 4	23°15	22°43	6°50	24°24	23°19	25° 0	n.a.	T 10
F 11	9 0 59	17°12'39	3♍20	20°54	3° 3	7°41	11° 3	2°10	23°13	22°45	6°50	24°21	23°16	25° 7	n.a.	F 11
S 12	9 4 56	18°12'16	18°21	22°54	4°11	8°21	10°55	2°16	23°11	22°46	6°50	24°18	23°13	25°14	n.a.	S 12
S 13	9 8 52	19°11'51	3♎16	24°53	5°19	9° 1	10°48	2°23	23° 8	22°47	6°R50	24°15	23° 9	25°21	n.a.	S 13
M14	9 12 49	20°11'24	17°58	26°53	6°27	9°41	10°40	2°29	23° 6	22°49	6°50	24°12	23° 6	25°27	n.a.	M14
T 15	9 16 45	21°10'55	2♏23	28°53	7°36	10°22	10°32	2°36	23° 4	22°50	6°50	24°10	23° 3	25°34	n.a.	T 15
W16	9 20 42	22°10'24	16°25	0♓52	8°44	11° 2	10°25	2°42	23° 2	22°52	6°50	24°D 8	23° 0	25°41	n.a.	W16
T 17	9 24 38	23° 9'52	0♐ 6	2°51	9°53	11°42	10°17	2°49	23° 0	22°53	6°49	24° 8	22°57	25°47	n.a.	T 17
F 18	9 28 35	24° 9'17	13°25	4°49	11° 1	12°22	10°10	2°56	22°57	22°54	6°49	24° 9	22°53	25°54	n.a.	F 18
S 19	9 32 31	25° 8'41	26°24	6°46	12°10	13° 2	10° 2	3° 2	22°55	22°56	6°49	24°11	22°50	26° 1	n.a.	S 19
S 20	9 36 28	26° 8'03	9♑ 8	8°40	13°19	13°42	9°55	3° 9	22°53	22°57	6°49	24°13	22°47	26° 8	n.a.	S 20
M21	9 40 25	27° 7'23	21°38	10°33	14°28	14°22	9°48	3°16	22°51	22°58	6°49	24°R13	22°44	26°14	n.a.	M21
T 22	9 44 21	28° 6'41	3♒56	12°23	15°37	15° 2	9°41	3°23	22°49	22°59	6°48	24°13	22°41	26°21	n.a.	T 22
W23	9 48 18	29° 5'57	16° 6	14°11	16°46	15°42	9°34	3°30	22°47	23° 1	6°48	24°11	22°38	26°28	n.a.	W23
T 24	9 52 14	0♓ 5'11	28° 9	15°55	17°55	16°22	9°27	3°37	22°45	23° 2	6°48	24° 7	22°34	26°34	n.a.	T 24
F 25	9 56 11	1° 4'22	10♓ 6	17°35	19° 4	17° 2	9°20	3°44	22°43	23° 3	6°47	24° 1	22°31	26°41	n.a.	F 25
S 26	10 0 7	2° 3'32	21°59	19°11	20°14	17°42	9°13	3°51	22°42	23° 4	6°47	23°55	22°28	26°48	n.a.	S 26
S 27	10 4 4	3° 2'39	3♈50	20°42	21°23	18°22	9° 6	3°58	22°40	23° 5	6°46	23°47	22°25	26°54	n.a.	S 27
M28	10 8 0	4♓ 1'43	15♈42	22♓ 9	22♑33	19♈ 1	9♌ 0	4♈ 5	22♋38	23♐ 6	6♏46	23♋40	22♋22	27♓ 1	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	18s42	2n43	5s15	22s 0	2s 1	21s16	2n14	0n26	0n 3	18n43	1n28	1s45	2s25	22n18	0n39	22s45	0n47	2s48	11n48	21n32	21n38	6s30		n.a.	T 1
W 2	18 27	7 6	5 14	21 32	1 59	21 24	2 10	0 43	0 4	18 45	1 28	1 42	2 25	22 18	0 39	22 46	0 47	2 48	11 48	21 32	21 38	6 28		n.a.	W 2
T 3	18 11	11 16	4 59	21 3	1 57	21 32	2 5	1 0	0 5	18 48	1 28	1 40	2 25	22 19	0 39	22 46	0 47	2 48	11 49	21 32	21 39	6 26		n.a.	T 3
F 4	17 54	15 4	4 30	20 31	1 54	21 39	2 1	1 17	0 5	18 50	1 28	1 37	2 24	22 19	0 39	22 46	0 47	2 48	11 49	21 32	21 39	6 23		n.a.	F 4
S 5	17 38	18 16	3 47	19 58	1 51	21 45	1 57	1 34	0 6	18 52	1 28	1 34	2 24	22 20	0 39	22 46	0 47	2 47	11 49	21 32	21 40	6 21		n.a.	S 5
S 6	17 21	20 38	2 51	19 23	1 47	21 51	1 52	1 51	0 7	18 55	1 28	1 32	2 24	22 20	0 39	22 46	0 47	2 47	11 50	21 31	21 40	6 19		n.a.	S 6
M 7	17 4	21 55	1 44	18 45	1 43	21 57	1 48	2 8	0 8	18 57	1 28	1 29	2 24	22 20	0 39	22 46	0 47	2 47	11 50	21 31	21 41	6 16		n.a.	M 7
T 8	16 47	21 53	0 29	18 6	1 38	22 1	1 44	2 24	0 8	18 59	1 28	1 27	2 24	22 21	0 39	22 46	0 47	2 47	11 50	21 31	21 41	6 14		n.a.	T 8
W 9	16 29	20 25	0n51	17 25	1 32	22 6	1 39	2 41	0 9	19 2	1 28	1 24	2 23	22 21	0 39	22 46	0 47	2 46	11 51	21 31	21 42	6 12		n.a.	W 9
T 10	16 11	17 33	2 8	16 42	1 26	22 9	1 35	2 58	0 10	19 4	1 29	1 21	2 23	22 22	0 39	22 46	0 47	2 46	11 51	21 31	21 43	6 10		n.a.	T 10
F 11	15 53	13 29	3 18	15 58	1 19	22 12	1 31	3 15	0 11	19 6	1 29	1 19	2 23	22 22	0 39	22 46	0 47	2 46	11 51	21 32	21 43	6 7		n.a.	F 11
S 12	15 34	8 34	4 15	15 12	1 12	22 15	1 26	3 32	0 11	19 8	1 29	1 16	2 23	22 22	0 39	22 46	0 47	2 46	11 52	21 32	21 44	6 5		n.a.	S 12
S 13	15 16	3 10	4 53	14 24	1 4	22 17	1 22	3 48	0 12	19 10	1 29	1 13	2 23	22 23	0 39	22 46	0 47	2 45	11 52	21 33	21 44	6 3		n.a.	S 13
M14	14 57	2s20	5 12	13 35	0 55	22 18	1 18	4 5	0 13	19 13	1 29	1 10	2 22	22 23	0 39	22 47	0 47	2 45	11 52	21 33	21 45	6 0		n.a.	M14
T 15	14 37	7 36	5 11	12 44	0 46	22 19	1 13	4 22	0 13	19 15	1 29	1 8	2 22	22 24	0 39	22 47	0 47	2 45	11 53	21 34	21 45	5 58		n.a.	T 15
W16	14 18	12 19	4 51	11 52	0 36	22 19	1 9	4 38	0 14	19 17	1 29	1 5	2 22	22 24	0 39	22 47	0 47	2 44	11 53	21 34	21 46	5 56		n.a.	W16
T 17	13 58	16 17	4 14	11 0	0 26	22 18	1 5	4 55	0 15	19 19	1 29	1 2	2 22	22 24	0 39	22 47	0 47	2 44	11 53	21 34	21 46	5 53		n.a.	T 17
F 18	13 39	19 19	3 25	10 6	0 15	22 17	1 1	5 11	0 16	19 21	1 29	0 59	2 22	22 25	0 39	22 47	0 47	2 44	11 53	21 34	21 47	5 51		n.a.	F 18
S 19	13 18	21 16	2 26	9 12	0 4	22 15	0 56	5 28	0 16	19 23	1 29	0 56	2 22	22 25	0 39	22 47	0 47	2 43	11 54	21 33	21 47	5 49		n.a.	S 19
S 20	12 58	22 4	1 22	8 18	0n 8	22 13	0 52	5 44	0 17	19 25	1 29	0 53	2 21	22 25	0 39	22 47	0 47	2 43	11 54	21 33	21 48	5 46		n.a.	S 20
M21	12 38	21 45	0 14	7 24	0 20	22 10	0 48	6 0	0 18	19 27	1 29	0 51	2 21	22 26	0 39	22 47	0 47	2 43	11 54	21 33	21 48	5 44		n.a.	M21
T 22	12 17	20 23	0s53	6 31	0 32	22 6	0 44	6 17	0 18	19 29	1 29	0 48	2 21	22 26	0 39	22 47	0 47	2 42	11 55	21 33	21 49	5 42		n.a.	T 22
W23	11 56	18 4	1 57	5 38	0 44	22 2	0 39	6 33	0 19	19 31	1 29	0 45	2 21	22 26	0 39	22 47	0 47	2 42	11 55	21 33	21 50	5 39		n.a.	W23
T 24	11 35	15 0	2 54	4 45	0 57	21 57	0 35	6 49	0 20	19 33	1 29	0 42	2 21	22 27	0 39	22 47	0 47	2 42	11 55	21 34	21 50	5 37		n.a.	T 24
F 25	11 14	11 19	3 44	3 54	1 9	21 52	0 31	7 5	0 20	19 34	1 29	0 39	2 21	22 27	0 39	22 47	0 47	2 41	11 56	21 35	21 51	5 35		n.a.	F 25
S 26	10 53	7 14	4 23	3 5	1 22	21 46	0 27	7 21	0 21	19 36	1 29	0 36	2 21	22 27	0 39	22 47	0 47	2 41	11 56	21 36	21 51	5 32		n.a.	S 26
S 27	10 31	2 54	4 51	2 17	1 34	21 39	0 23	7 37	0 22	19 38	1 29	0 33	2 20	22 28	0 39	22 47	0 47	2 40	11 56	21 38	21 52	5 30		n.a.	S 27
M28	10s10	1n33	5s 6	1s32	1n46	21s31	0n19	7n53	0n22	19n40	1n28	0s30	2s20	22n28	0n39	22s47	0n47	2s40	11n56	21n39	21n52	5s27		n.a.	M28

Julian Day Number = 1547595.5, Delta T = 04h33m10s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'43, Lahiri = -10°31'43 Julian Calendar 1 Feb. 476 BCE == Greg. Calendar 27 Jan. 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

MARCH 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 11 57	5♓ 0'46	27♈36	23♓30	23♉42	19♈41	8°R53	4♈12	22°R36	23♐ 7	6°R45	23°R33	22♋19	27♓ 8	n.a.	T 1
W 2	10 15 53	5°59'46	9♉35	24°46	24°52	20°21	8♌47	4°19	22♋35	23° 8	6♏45	23♋28	22°15	27°15	n.a.	W 2
T 3	10 19 50	6°58'43	21°44	25°57	26° 2	21° 1	8°41	4°27	22°33	23° 9	6°44	23°25	22°12	27°21	n.a.	T 3
F 4	10 23 47	7°57'39	4♊ 7	27° 1	27°11	21°41	8°35	4°34	22°31	23°10	6°44	23°D23	22° 9	27°28	n.a.	F 4
S 5	10 27 43	8°56'32	16°47	27°59	28°21	22°20	8°29	4°41	22°30	23°11	6°43	23°24	22° 6	27°35	n.a.	S 5
S 6	10 31 40	9°55'23	29°50	28°51	29°31	23° 0	8°23	4°49	22°28	23°12	6°42	23°25	22° 3	27°41	n.a.	S 6
M 7	10 35 36	10°54'11	13♋19	29°37	0♒41	23°40	8°18	4°56	22°27	23°13	6°42	23°26	21°59	27°48	n.a.	M 7
T 8	10 39 33	11°52'57	27°15	0♈16	1°51	24°19	8°12	5° 3	22°25	23°13	6°41	23°R26	21°56	27°55	n.a.	T 8
W 9	10 43 29	12°51'40	11♌40	0°49	3° 1	24°59	8° 7	5°11	22°24	23°14	6°40	23°25	21°53	28° 2	n.a.	W 9
T 10	10 47 26	13°50'21	26°30	1°15	4°11	25°38	8° 1	5°18	22°22	23°15	6°39	23°21	21°50	28° 8	n.a.	T 10
F 11	10 51 22	14°49'00	11♍38	1°34	5°22	26°18	7°56	5°26	22°21	23°16	6°39	23°16	21°47	28°15	n.a.	F 11
S 12	10 55 19	15°47'37	26°55	1°47	6°32	26°58	7°51	5°33	22°20	23°16	6°38	23° 8	21°44	28°22	n.a.	S 12
S 13	10 59 15	16°46'12	12♎ 9	1°53	7°42	27°37	7°47	5°41	22°19	23°17	6°37	23° 0	21°40	28°28	n.a.	S 13
M14	11 3 12	17°44'45	27°12	1°R53	8°53	28°17	7°42	5°49	22°18	23°17	6°36	22°53	21°37	28°35	n.a.	M14
T 15	11 7 9	18°43'16	11♏53	1°47	10° 3	28°56	7°38	5°56	22°16	23°18	6°35	22°46	21°34	28°42	n.a.	T 15
W16	11 11 5	19°41'46	26° 8	1°36	11°14	29°35	7°33	6° 4	22°15	23°19	6°34	22°42	21°31	28°49	n.a.	W16
T 17	11 15 2	20°40'14	9♐54	1°19	12°24	0♉15	7°29	6°11	22°14	23°19	6°33	22°39	21°28	28°55	n.a.	T 17
F 18	11 18 58	21°38'40	23°14	0°56	13°35	0°54	7°25	6°19	22°13	23°20	6°32	22°D39	21°25	29° 2	n.a.	F 18
S 19	11 22 55	22°37'04	6♉ 9	0°30	14°45	1°34	7°21	6°27	22°13	23°20	6°31	22°39	21°21	29° 9	n.a.	S 19
S 20	11 26 51	23°35'27	18°45	29♓59	15°56	2°13	7°18	6°35	22°12	23°20	6°30	22°R40	21°18	29°15	n.a.	S 20
M21	11 30 48	24°33'48	1♒ 4	29°25	17° 7	2°52	7°14	6°42	22°11	23°21	6°29	22°40	21°15	29°22	n.a.	M21
T 22	11 34 44	25°32'07	13°12	28°48	18°18	3°32	7°11	6°50	22°10	23°21	6°28	22°37	21°12	29°29	n.a.	T 22
W23	11 38 41	26°30'25	25°11	28°10	19°28	4°11	7° 8	6°58	22° 9	23°21	6°27	22°33	21° 9	29°36	n.a.	W23
T 24	11 42 38	27°28'40	7♓ 6	27°30	20°39	4°50	7° 5	7° 6	22° 9	23°22	6°26	22°26	21° 5	29°42	n.a.	T 24
F 25	11 46 34	28°26'54	18°58	26°49	21°50	5°30	7° 2	7°13	22° 8	23°22	6°25	22°16	21° 2	29°49	n.a.	F 25
S 26	11 50 31	29°25'06	0♈49	26° 9	23° 1	6° 9	6°59	7°21	22° 8	23°22	6°23	22° 4	20°59	29°56	n.a.	S 26
S 27	11 54 27	0♈23'16	12°41	25°29	24°12	6°48	6°57	7°29	22° 7	23°22	6°22	21°51	20°56	0♈ 2	n.a.	S 27
M28	11 58 24	1°21'25	24°35	24°52	25°23	7°27	6°55	7°37	22° 7	23°22	6°21	21°38	20°53	0° 9	n.a.	M28
T 29	12 2 20	2°19'31	6♉33	24°16	26°34	8° 6	6°53	7°45	22° 6	23°22	6°20	21°27	20°50	0°16	n.a.	T 29
W30	12 6 17	3°17'35	18°37	23°43	27°45	8°45	6°51	7°52	22° 6	23°23	6°18	21°17	20°46	0°23	n.a.	W30
T 31	12 10 13	4♈15'38	0♊49	23♓13	28♒57	9♉25	6♌49	8♈ 0	22♋ 6	23♐23	6♏17	21♋10	20♋43	0♈29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s48	5n57	5s 8	0s48	1n58	21s24	0n15	8n 9	0n23	19n41	1n28	0s27	2s20	22n28	0n39	22s47	0n47	2s40	11n57	21n40	21n53	5s25		n.a.
W 2	9 26	10 11	4 57	0 8	2 9	21 15	0 11	8 25	0 23	19 43	1 28	0 24	2 20	22 28	0 39	22 47	0 47	2 39	11 57	21 41	21 53	5 23		n.a.
T 3	9 4	14 3	4 33	0n31	2 20	21 6	0 7	8 40	0 24	19 45	1 28	0 21	2 20	22 29	0 39	22 47	0 47	2 39	11 57	21 42	21 54	5 20		n.a.
F 4	8 42	17 24	3 55	1 6	2 30	20 56	0 4	8 56	0 25	19 46	1 28	0 18	2 20	22 29	0 39	22 47	0 47	2 38	11 57	21 42	21 54	5 18		n.a.
S 5	8 19	20 1	3 5	1 38	2 40	20 46	0s 0	9 12	0 25	19 48	1 28	0 15	2 20	22 29	0 39	22 47	0 47	2 38	11 58	21 42	21 55	5 16		n.a.
S 6	7 57	21 41	2 4	2 7	2 49	20 35	0 4	9 27	0 26	19 49	1 28	0 12	2 20	22 29	0 39	22 47	0 47	2 37	11 58	21 42	21 55	5 13		n.a.
M 7	7 34	22 10	0 54	2 32	2 56	20 23	0 8	9 43	0 26	19 51	1 28	0 9	2 19	22 30	0 39	22 48	0 47	2 37	11 58	21 41	21 56	5 11		n.a.
T 8	7 12	21 19	0n21	2 54	3 3	20 11	0 11	9 58	0 27	19 52	1 28	0 6	2 19	22 30	0 39	22 48	0 47	2 36	11 58	21 41	21 56	5 9		n.a.
W 9	6 49	19 3	1 37	3 13	3 9	19 59	0 15	10 13	0 28	19 53	1 28	0 2	2 19	22 30	0 39	22 48	0 47	2 36	11 59	21 41	21 57	5 6		n.a.
T 10	6 26	15 29	2 48	3 27	3 14	19 45	0 18	10 28	0 28	19 55	1 28	0n 1	2 19	22 30	0 39	22 48	0 47	2 35	11 59	21 42	21 57	5 4		n.a.
F 11	6 3	10 49	3 49	3 38	3 17	19 32	0 22	10 44	0 29	19 56	1 28	0 4	2 19	22 30	0 39	22 48	0 47	2 35	11 59	21 43	21 58	5 1		n.a.
S 12	5 40	5 26	4 35	3 46	3 20	19 17	0 25	10 59	0 29	19 57	1 28	0 7	2 19	22 31	0 39	22 48	0 47	2 34	11 59	21 44	21 58	4 59		n.a.
S 13	5 17	0s16	5 0	3 49	3 21	19 2	0 28	11 14	0 30	19 58	1 27	0 10	2 19	22 31	0 39	22 48	0 47	2 34	12 0	21 46	21 59	4 57		n.a.
M14	4 54	5 52	5 5	3 49	3 20	18 47	0 32	11 28	0 30	19 59	1 27	0 13	2 19	22 31	0 39	22 48	0 47	2 33	12 0	21 47	21 59	4 54		n.a.
T 15	4 31	11 1	4 49	3 45	3 18	18 31	0 35	11 43	0 31	20 0	1 27	0 16	2 19	22 31	0 39	22 48	0 47	2 33	12 0	21 48	22 0	4 52		n.a.
W16	4 8	15 24	4 16	3 37	3 15	18 15	0 38	11 58	0 32	20 1	1 27	0 19	2 19	22 31	0 39	22 48	0 47	2 32	12 0	21 49	22 0	4 49		n.a.
T 17	3 45	18 48	3 28	3 26	3 10	17 58	0 41	12 12	0 32	20 2	1 27	0 22	2 19	22 31	0 39	22 48	0 47	2 32	12 1	21 49	22 1	4 47		n.a.
F 18	3 21	21 4	2 31	3 11	3 4	17 40	0 44	12 27	0 33	20 3	1 27	0 26	2 18	22 32	0 39	22 48	0 47	2 31	12 1	21 49	22 1	4 45		n.a.
S 19	2 58	22 9	1 27	2 53	2 56	17 22	0 47	12 41	0 33	20 4	1 27	0 29	2 18	22 32	0 39	22 48	0 47	2 31	12 1	21 49	22 2	4 42		n.a.
S 20	2 35	22 5	0 21	2 33	2 47	17 4	0 50	12 56	0 34	20 5	1 26	0 32	2 18	22 32	0 38	22 48	0 47	2 30	12 1	21 49	22 2	4 40		n.a.
M21	2 11	20 55	0s45	2 9	2 37	16 45	0 53	13 10	0 34	20 6	1 26	0 35	2 18	22 32	0 38	22 48	0 47	2 30	12 1	21 49	22 3	4 38		n.a.
T 22	1 48	18 47	1 47	1 44	2 25	16 25	0 56	13 24	0 35	20 6	1 26	0 38	2 18	22 32	0 38	22 48	0 47	2 29	12 2	21 50	22 3	4 35		n.a.
W23	1 24	15 52	2 44	1 17	2 12	16 6	0 58	13 38	0 35	20 7	1 26	0 41	2 18	22 32	0 38	22 48	0 47	2 29	12 2	21 50	22 4	4 33		n.a.
T 24	1 1	12 19	3 33	0 48	1 58	15 45	1 1	13 52	0 36	20 8	1 26	0 44	2 18	22 32	0 38	22 48	0 47	2 28	12 2	21 52	22 4	4 30		n.a.
F 25	0 38	8 17	4 13	0 18	1 43	15 24	1 3	14 5	0 36	20 8	1 26	0 48	2 18	22 32	0 38	22 48	0 47	2 28	12 2	21 53	22 5	4 28		n.a.
S 26	0 14	3 58	4 41	0s13	1 28	15 3	1 6	14 19	0 37	20 9	1 26	0 51	2 18	22 32	0 38	22 48	0 47	2 27	12 2	21 55	22 5	4 25		n.a.
S 27	0n 9	0n31	4 58	0 43	1 12	14 42	1 8	14 33	0 37	20 9	1 25	0 54	2 18	22 32	0 38	22 48	0 47	2 27	12 2	21 57	22 6	4 23		n.a.
M28	0 33	4 59	5 1	1 13	0 55	14 20	1 10	14 46	0 38	20 10	1 25	0 57	2 18	22 32	0 38	22 48	0 47	2 26	12 3	21 59	22 6	4 21		n.a.
T 29	0 56	9 18	4 51	1 43	0 39	13 57	1 13	15 0	0 38	20 10	1 25	1 0	2 18	22 32	0 38	22 48	0 47	2 26	12 3	22 1	22 7	4 18		n.a.
W30	1 20	13 17	4 28	2 11	0 22	13 35	1 15	15 13	0 39	20 10	1 25	1 3	2 18	22 32	0 38	22 48	0 47	2 25	12 3	22 3	22 7	4 16		n.a.
T 31	1n43	16n47	3s53	2s39	0n 5	13s12	1s17	15n26	0n39	20n11	1n25	1n 7	2s18	22n32	0n38	22s48	0n47	2s24	12n 3	22n 4	22n 8	4s13		n.a.

Julian Day Number = 1547623.5, Delta T = 04h33m09s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'40, Lahiri = -10°31'39 Julian Calendar 1 March 476 BCE == Greg. Calendar 24 Feb. 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

APRIL 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 14 10	5♈13'39	13♊12	22°R47	0♓ 8	10♉ 4	6°R48	8♈ 8	22°R 5	23°R23	6°R16	21°R 6	20♋40	0♈36	n.a.	F 1
S 2	12 18 6	6°11'37	25°51	22♓25	1°19	10°43	6♌46	8°16	22♋ 5	23♐23	6♏14	21♋ 4	20°37	0°43	n.a.	S 2
S 3	12 22 3	7° 9'34	8♋49	22° 8	2°30	11°22	6°45	8°24	22° 5	23°23	6°13	21°D 4	20°34	0°49	n.a.	S 3
M 4	12 26 0	8° 7'29	22°10	21°54	3°41	12° 1	6°44	8°32	22° 5	23°22	6°12	21°R 4	20°30	0°56	n.a.	M 4
T 5	12 29 56	9° 5'22	5♌58	21°46	4°53	12°40	6°44	8°40	22°D 5	23°22	6°10	21° 3	20°27	1° 3	n.a.	T 5
W 6	12 33 53	10° 3'12	20°13	21°D42	6° 4	13°19	6°43	8°47	22° 5	23°22	6° 9	21° 1	20°24	1°10	n.a.	W 6
T 7	12 37 49	11° 1'01	4♍54	21°42	7°15	13°58	6°43	8°55	22° 5	23°22	6° 7	20°56	20°21	1°16	n.a.	T 7
F 8	12 41 46	11°58'48	19°57	21°48	8°27	14°37	6°42	9° 3	22° 5	23°22	6° 6	20°48	20°18	1°23	n.a.	F 8
S 9	12 45 42	12°56'34	5♎13	21°58	9°38	15°16	6°D42	9°11	22° 5	23°21	6° 5	20°39	20°15	1°30	n.a.	S 9
S 10	12 49 39	13°54'17	20°31	22°12	10°50	15°55	6°43	9°19	22° 6	23°21	6° 3	20°28	20°11	1°36	n.a.	S 10
M11	12 53 35	14°52'00	5♏41	22°31	12° 1	16°33	6°43	9°27	22° 6	23°21	6° 2	20°17	20° 8	1°43	n.a.	M11
T 12	12 57 32	15°49'41	20°32	22°55	13°13	17°12	6°43	9°34	22° 6	23°21	6° 0	20° 8	20° 5	1°50	n.a.	T 12
W13	13 1 29	16°47'20	4♐57	23°23	14°24	17°51	6°44	9°42	22° 7	23°20	5°59	20° 1	20° 2	1°57	n.a.	W13
T 14	13 5 25	17°44'59	18°52	23°54	15°36	18°30	6°45	9°50	22° 7	23°20	5°57	19°57	19°59	2° 3	n.a.	T 14
F 15	13 9 22	18°42'36	2♑18	24°30	16°47	19° 9	6°46	9°58	22° 8	23°19	5°56	19°55	19°56	2°10	n.a.	F 15
S 16	13 13 18	19°40'13	15°17	25°10	17°59	19°48	6°47	10° 6	22° 8	23°19	5°54	19°55	19°52	2°17	n.a.	S 16
S 17	13 17 15	20°37'48	27°52	25°54	19°11	20°26	6°49	10°13	22° 9	23°18	5°52	19°55	19°49	2°23	n.a.	S 17
M18	13 21 11	21°35'22	10♒ 9	26°41	20°22	21° 5	6°50	10°21	22°10	23°18	5°51	19°54	19°46	2°30	n.a.	M18
T 19	13 25 8	22°32'55	22°14	27°32	21°34	21°44	6°52	10°29	22°10	23°17	5°49	19°51	19°43	2°37	n.a.	T 19
W20	13 29 4	23°30'27	4♓ 9	28°26	22°46	22°23	6°54	10°37	22°11	23°17	5°48	19°46	19°40	2°44	n.a.	W20
T 21	13 33 1	24°27'58	16° 1	29°23	23°57	23° 1	6°56	10°44	22°12	23°16	5°46	19°38	19°36	2°50	n.a.	T 21
F 22	13 36 58	25°25'28	27°51	0♈24	25° 9	23°40	6°58	10°52	22°13	23°15	5°45	19°28	19°33	2°57	n.a.	F 22
S 23	13 40 54	26°22'56	9♈42	1°28	26°21	24°19	7° 1	11° 0	22°14	23°15	5°43	19°15	19°30	3° 4	n.a.	S 23
S 24	13 44 51	27°20'24	21°37	2°35	27°33	24°57	7° 4	11° 7	22°15	23°14	5°41	19° 2	19°27	3°10	n.a.	S 24
M25	13 48 47	28°17'51	3♉37	3°45	28°45	25°36	7° 6	11°15	22°16	23°13	5°40	18°48	19°24	3°17	n.a.	M25
T 26	13 52 44	29°15'16	15°43	4°57	29°57	26°15	7° 9	11°23	22°17	23°13	5°38	18°35	19°21	3°24	n.a.	T 26
W27	13 56 40	0♉12'40	27°56	6°13	1♈ 9	26°53	7°12	11°30	22°18	23°12	5°37	18°25	19°17	3°31	n.a.	W27
T 28	14 0 37	1°10'04	10♊18	7°31	2°21	27°32	7°16	11°38	22°19	23°11	5°35	18°17	19°14	3°37	n.a.	T 28
F 29	14 4 33	2° 7'26	22°50	8°52	3°33	28°10	7°19	11°45	22°20	23°10	5°33	18°12	19°11	3°44	n.a.	F 29
S 30	14 8 30	3♉ 4'46	5♋35	10♈16	4♈45	28♉49	7♌23	11♈53	22♋22	23♐ 9	5♏32	18♋10	19♋ 8	3♈51	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n 6	19n36	3s 6	3s 4	0s11	12s48	1s19	15n39	0n40	20n11	1n25	1n10	2s18	22n32	0n38	22s48	0n47	2s24	12n 3	22n 4	22n 8	4s11		n.a.
S 2	2 29	21 32	2 9	3 27	0 27	12 24	1 21	15 52	0 40	20 11	1 24	1 13	2 18	22 32	0 38	22 48	0 47	2 23	12 3	22 5	22 9	4 9		n.a.
S 3	2 53	22 23	1 4	3 49	0 43	12 0	1 23	16 5	0 40	20 11	1 24	1 16	2 18	22 32	0 38	22 48	0 47	2 23	12 3	22 5	22 9	4 6		n.a.
M 4	3 16	22 0	0n 6	4 8	0 58	11 36	1 24	16 17	0 41	20 11	1 24	1 19	2 18	22 32	0 38	22 48	0 47	2 22	12 4	22 5	22 10	4 4		n.a.
T 5	3 39	20 17	1 18	4 24	1 12	11 11	1 26	16 30	0 41	20 11	1 24	1 22	2 18	22 32	0 38	22 48	0 47	2 22	12 4	22 5	22 10	4 1		n.a.
W 6	4 2	17 16	2 28	4 38	1 25	10 46	1 28	16 42	0 42	20 11	1 24	1 25	2 18	22 32	0 38	22 48	0 48	2 21	12 4	22 5	22 11	3 59		n.a.
T 7	4 25	13 5	3 30	4 50	1 38	10 20	1 29	16 55	0 42	20 11	1 24	1 29	2 18	22 32	0 38	22 48	0 48	2 21	12 4	22 6	22 11	3 56		n.a.
F 8	4 48	7 59	4 19	4 59	1 50	9 54	1 31	17 7	0 43	20 11	1 23	1 32	2 18	22 32	0 38	22 48	0 48	2 20	12 4	22 7	22 12	3 54		n.a.
S 9	5 11	2 20	4 50	5 5	2 1	9 28	1 32	17 19	0 43	20 11	1 23	1 35	2 18	22 32	0 38	22 47	0 48	2 20	12 4	22 9	22 12	3 52		n.a.
S 10	5 33	3s29	5 0	5 9	2 12	9 2	1 33	17 31	0 44	20 11	1 23	1 38	2 18	22 32	0 38	22 47	0 48	2 19	12 4	22 10	22 13	3 49		n.a.
M11	5 56	9 2	4 50	5 10	2 21	8 36	1 34	17 42	0 44	20 10	1 23	1 41	2 18	22 32	0 38	22 47	0 48	2 19	12 4	22 12	22 13	3 47		n.a.
T 12	6 18	13 57	4 20	5 8	2 30	8 9	1 36	17 54	0 44	20 10	1 23	1 44	2 18	22 32	0 38	22 47	0 48	2 18	12 4	22 13	22 14	3 44		n.a.
W13	6 41	17 54	3 34	5 4	2 38	7 42	1 37	18 6	0 45	20 10	1 23	1 47	2 18	22 32	0 38	22 47	0 48	2 17	12 4	22 14	22 14	3 42		n.a.
T 14	7 3	20 41	2 36	4 58	2 44	7 15	1 38	18 17	0 45	20 9	1 22	1 50	2 18	22 32	0 38	22 47	0 48	2 17	12 4	22 15	22 15	3 39		n.a.
F 15	7 25	22 12	1 32	4 49	2 50	6 47	1 38	18 28	0 46	20 9	1 22	1 53	2 18	22 32	0 38	22 47	0 48	2 16	12 4	22 15	22 15	3 37		n.a.
S 16	7 48	22 28	0 24	4 37	2 56	6 20	1 39	18 39	0 46	20 8	1 22	1 56	2 18	22 32	0 38	22 47	0 48	2 16	12 4	22 15	22 16	3 34		n.a.
S 17	8 10	21 33	0s42	4 24	3 0	5 52	1 40	18 50	0 46	20 8	1 22	1 59	2 18	22 31	0 38	22 47	0 48	2 15	12 4	22 15	22 16	3 32		n.a.
M18	8 31	19 37	1 45	4 8	3 3	5 24	1 41	19 1	0 47	20 7	1 22	2 3	2 18	22 31	0 38	22 47	0 48	2 15	12 4	22 15	22 16	3 29		n.a.
T 19	8 53	16 50	2 42	3 50	3 6	4 56	1 41	19 12	0 47	20 7	1 21	2 6	2 18	22 31	0 38	22 47	0 48	2 14	12 4	22 16	22 17	3 27		n.a.
W20	9 15	13 23	3 31	3 30	3 8	4 28	1 42	19 22	0 48	20 6	1 21	2 9	2 18	22 31	0 38	22 47	0 48	2 14	12 4	22 16	22 17	3 25		n.a.
T 21	9 36	9 25	4 11	3 8	3 9	3 59	1 42	19 33	0 48	20 5	1 21	2 12	2 18	22 31	0 38	22 47	0 48	2 13	12 4	22 18	22 18	3 22		n.a.
F 22	9 57	5 7	4 39	2 44	3 10	3 31	1 42	19 43	0 48	20 4	1 21	2 15	2 18	22 31	0 38	22 47	0 48	2 13	12 4	22 19	22 18	3 20		n.a.
S 23	10 19	0 38	4 56	2 18	3 9	3 2	1 43	19 53	0 49	20 4	1 21	2 18	2 18	22 31	0 38	22 47	0 48	2 12	12 4	22 21	22 19	3 17		n.a.
S 24	10 40	3n55	4 59	1 50	3 8	2 33	1 43	20 3	0 49	20 3	1 21	2 21	2 18	22 30	0 38	22 47	0 48	2 12	12 4	22 23	22 19	3 15		n.a.
M25	11 0	8 21	4 50	1 20	3 6	2 4	1 43	20 13	0 50	20 2	1 20	2 24	2 18	22 30	0 37	22 47	0 48	2 11	12 4	22 25	22 20	3 12		n.a.
T 26	11 21	12 30	4 27	0 49	3 4	1 35	1 43	20 22	0 50	20 1	1 20	2 27	2 18	22 30	0 37	22 47	0 48	2 11	12 4	22 27	22 20	3 10		n.a.
W27	11 42	16 11	3 52	0 16	3 1	1 6	1 43	20 32	0 50	20 0	1 20	2 29	2 18	22 30	0 37	22 47	0 48	2 10	12 4	22 28	22 21	3 7		n.a.
T 28	12 2	19 13	3 6	0n19	2 57	0 37	1 43	20 41	0 51	19 59	1 20	2 32	2 18	22 29	0 37	22 47	0 48	2 10	12 4	22 29	22 21	3 5		n.a.
F 29	12 22	21 24	2 10	0 55	2 53	0 8	1 42	20 50	0 51	19 58	1 20	2 35	2 18	22 29	0 37	22 47	0 48	2 9	12 4	22 30	22 22	3 2		n.a.
S 30	12n42	22n32	1s 6	1n33	2s48	0n21	1s42	20n59	0n51	19n57	1n19	2n38	2s18	22n29	0n37	22s47	0n48	2s 9	12n 4	22n30	22n22	3s 0		n.a.

Julian Day Number = 1547654.5, Delta T = 04h33m07s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'35, Lahiri = -10°31'35 Julian Calendar 1 Apr. 476 BCE == Greg. Calendar 27 March 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

MAY 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 12 27	4♉ 2'06	18♋36	11♈43	5♈57	29♉28	7♌27	12♈ 0	22♋23	23°R 8	5°R30	18°D10	19♋ 5	3♈57	n.a.	S 1
M 2	14 16 23	4°59'24	1♌55	13°12	7° 9	0♊ 6	7°31	12° 8	22°24	23♐ 7	5♏28	18°R10	19° 2	4° 4	n.a.	M 2
T 3	14 20 20	5°56'42	15°37	14°44	8°21	0°45	7°35	12°15	22°26	23° 6	5°27	18♋10	18°58	4°11	n.a.	T 3
W 4	14 24 16	6°53'58	29°41	16°18	9°33	1°23	7°39	12°23	22°27	23° 5	5°25	18° 8	18°55	4°18	n.a.	W 4
T 5	14 28 13	7°51'12	14♍ 8	17°55	10°45	2° 2	7°44	12°30	22°29	23° 4	5°24	18° 4	18°52	4°24	n.a.	T 5
F 6	14 32 9	8°48'26	28°55	19°35	11°57	2°40	7°48	12°37	22°30	23° 3	5°22	17°57	18°49	4°31	n.a.	F 6
S 7	14 36 6	9°45'39	13♎55	21°17	13° 9	3°19	7°53	12°45	22°32	23° 2	5°20	17°49	18°46	4°38	n.a.	S 7
S 8	14 40 2	10°42'51	29° 1	23° 2	14°21	3°57	7°58	12°52	22°34	23° 1	5°19	17°39	18°42	4°45	n.a.	S 8
M 9	14 43 59	11°40'02	14♏ 2	24°49	15°34	4°35	8° 3	12°59	22°35	23° 0	5°17	17°30	18°39	4°51	n.a.	M 9
T 10	14 47 56	12°37'13	28°49	26°39	16°46	5°14	8° 8	13° 6	22°37	22°59	5°15	17°22	18°36	4°58	n.a.	T 10
W11	14 51 52	13°34'23	13♐13	28°31	17°58	5°52	8°14	13°14	22°39	22°58	5°14	17°15	18°33	5° 5	n.a.	W11
T 12	14 55 49	14°31'32	27°11	0♑26	19°10	6°31	8°19	13°21	22°41	22°57	5°12	17°11	18°30	5°11	n.a.	T 12
F 13	14 59 45	15°28'42	10♑41	2°23	20°23	7° 9	8°25	13°28	22°43	22°56	5°11	17°10	18°27	5°18	n.a.	F 13
S 14	15 3 42	16°25'51	23°44	4°22	21°35	7°47	8°31	13°35	22°45	22°54	5° 9	17°D10	18°23	5°25	n.a.	S 14
S 15	15 7 38	17°22'59	6♒23	6°24	22°47	8°26	8°37	13°42	22°47	22°53	5° 7	17°10	18°20	5°32	n.a.	S 15
M16	15 11 35	18°20'08	18°43	8°27	24° 0	9° 4	8°43	13°49	22°49	22°52	5° 6	17°R11	18°17	5°38	n.a.	M16
T 17	15 15 31	19°17'16	0♓49	10°32	25°12	9°42	8°49	13°56	22°51	22°51	5° 4	17°10	18°14	5°45	n.a.	T 17
W18	15 19 28	20°14'24	12°45	12°39	26°25	10°21	8°55	14° 3	22°53	22°49	5° 3	17° 8	18°11	5°52	n.a.	W18
T 19	15 23 25	21°11'32	24°37	14°47	27°37	10°59	9° 2	14°10	22°55	22°48	5° 1	17° 3	18° 7	5°58	n.a.	T 19
F 20	15 27 21	22° 8'40	6♈28	16°56	28°50	11°37	9° 9	14°16	22°58	22°47	5° 0	16°56	18° 4	6° 5	n.a.	F 20
S 21	15 31 18	23° 5'47	18°22	19° 6	0♉ 2	12°16	9°15	14°23	23° 0	22°45	4°58	16°47	18° 1	6°12	n.a.	S 21
S 22	15 35 14	24° 2'55	0♉22	21°17	1°15	12°54	9°22	14°30	23° 2	22°44	4°57	16°38	17°58	6°19	n.a.	S 22
M23	15 39 11	25° 0'02	12°29	23°28	2°27	13°32	9°29	14°36	23° 4	22°43	4°55	16°28	17°55	6°25	n.a.	M23
T 24	15 43 7	25°57'10	24°46	25°39	3°40	14°11	9°37	14°43	23° 7	22°41	4°54	16°19	17°52	6°32	n.a.	T 24
W25	15 47 4	26°54'17	7♊12	27°50	4°53	14°49	9°44	14°50	23° 9	22°40	4°52	16°12	17°48	6°39	n.a.	W25
T 26	15 51 1	27°51'24	19°49	0♊ 0	6° 5	15°27	9°51	14°56	23°12	22°38	4°51	16° 7	17°45	6°46	n.a.	T 26
F 27	15 54 57	28°48'31	2♋38	2°10	7°18	16° 5	9°59	15° 3	23°14	22°37	4°49	16° 4	17°42	6°52	n.a.	F 27
S 28	15 58 54	29°45'38	15°38	4°18	8°31	16°44	10° 7	15° 9	23°17	22°36	4°48	16°D 3	17°39	6°59	n.a.	S 28
S 29	16 2 50	0♊42'44	28°52	6°26	9°43	17°22	10°14	15°15	23°19	22°34	4°46	16° 4	17°36	7° 6	n.a.	S 29
M30	16 6 47	1°39'50	12♌20	8°32	10°56	18° 0	10°22	15°22	23°22	22°33	4°45	16° 5	17°33	7°12	n.a.	M30
T 31	16 10 43	2♊36'56	26♌ 3	10♊37	12♉ 9	18♊38	10♌30	15♈28	23♋25	22♐31	4♏43	16°R 6	17♋29	7♈19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	13n 2	22n29	0n 2	2n12	2s42	0n50	1s42	21n 8	0n52	19n55	1n19	2n41	2s18	22n29	0n37	22s47	0n48	2s 9	12n 4	22n30	22n22	2s57			n.a.
M 2	13 21	21 10	1 12	2 53	2 36	1 19	1 41	21 17	0 52	19 54	1 19	2 44	2 19	22 29	0 37	22 46	0 48	2 8	12 4	22 30	22 23	2 55			n.a.
T 3	13 41	18 36	2 20	3 35	2 30	1 49	1 41	21 26	0 52	19 53	1 19	2 47	2 19	22 28	0 37	22 46	0 48	2 8	12 4	22 30	22 23	2 52			n.a.
W 4	14 0	14 52	3 21	4 18	2 22	2 18	1 40	21 34	0 53	19 52	1 19	2 50	2 19	22 28	0 37	22 46	0 48	2 7	12 4	22 30	22 24	2 50			n.a.
T 5	14 19	10 11	4 12	5 3	2 15	2 47	1 40	21 42	0 53	19 50	1 19	2 53	2 19	22 28	0 37	22 46	0 48	2 7	12 4	22 31	22 24	2 47			n.a.
F 6	14 37	4 48	4 46	5 48	2 7	3 16	1 39	21 50	0 53	19 49	1 18	2 55	2 19	22 27	0 37	22 46	0 48	2 6	12 4	22 32	22 25	2 45			n.a.
S 7	14 56	0s56	5 2	6 35	1 58	3 45	1 38	21 58	0 54	19 48	1 18	2 58	2 19	22 27	0 37	22 46	0 48	2 6	12 3	22 33	22 25	2 42			n.a.
S 8	15 14	6 39	4 57	7 23	1 49	4 14	1 37	22 6	0 54	19 46	1 18	3 1	2 19	22 27	0 37	22 46	0 48	2 6	12 3	22 34	22 26	2 40			n.a.
M 9	15 32	11 57	4 31	8 12	1 39	4 43	1 36	22 13	0 54	19 45	1 18	3 4	2 19	22 26	0 37	22 46	0 48	2 5	12 3	22 35	22 26	2 37			n.a.
T 10	15 50	16 27	3 48	9 1	1 30	5 12	1 35	22 21	0 55	19 43	1 18	3 6	2 19	22 26	0 37	22 46	0 48	2 5	12 3	22 37	22 26	2 35			n.a.
W11	16 7	19 52	2 50	9 51	1 19	5 41	1 34	22 28	0 55	19 41	1 17	3 9	2 19	22 26	0 37	22 46	0 48	2 4	12 3	22 37	22 27	2 32			n.a.
T 12	16 24	21 59	1 44	10 42	1 9	6 10	1 33	22 35	0 55	19 40	1 17	3 12	2 19	22 25	0 37	22 46	0 48	2 4	12 3	22 38	22 27	2 30			n.a.
F 13	16 41	22 45	0 35	11 33	0 58	6 39	1 32	22 42	0 56	19 38	1 17	3 15	2 20	22 25	0 37	22 46	0 48	2 4	12 3	22 38	22 28	2 27			n.a.
S 14	16 58	22 13	0s35	12 24	0 47	7 7	1 31	22 49	0 56	19 36	1 17	3 17	2 20	22 25	0 37	22 46	0 48	2 3	12 2	22 38	22 28	2 25			n.a.
S 15	17 14	20 33	1 41	13 15	0 36	7 36	1 30	22 55	0 56	19 35	1 17	3 20	2 20	22 24	0 37	22 46	0 48	2 3	12 2	22 38	22 29	2 22			n.a.
M16	17 31	17 57	2 40	14 6	0 25	8 4	1 28	23 2	0 56	19 33	1 17	3 22	2 20	22 24	0 37	22 46	0 48	2 3	12 2	22 38	22 29	2 20			n.a.
T 17	17 47	14 37	3 31	14 57	0 14	8 32	1 27	23 8	0 57	19 31	1 16	3 25	2 20	22 24	0 37	22 46	0 48	2 2	12 2	22 38	22 30	2 17			n.a.
W18	18 2	10 44	4 13	15 47	0 4	9 0	1 25	23 14	0 57	19 29	1 16	3 28	2 20	22 23	0 37	22 45	0 48	2 2	12 2	22 38	22 30	2 15			n.a.
T 19	18 18	6 29	4 43	16 36	0n 7	9 28	1 24	23 20	0 57	19 27	1 16	3 30	2 20	22 23	0 37	22 45	0 48	2 2	12 2	22 39	22 30	2 12			n.a.
F 20	18 33	1 59	5 0	17 24	0 18	9 55	1 22	23 25	0 58	19 25	1 16	3 33	2 20	22 22	0 37	22 45	0 48	2 1	12 1	22 40	22 31	2 10			n.a.
S 21	18 47	2n36	5 5	18 11	0 28	10 22	1 21	23 31	0 58	19 23	1 16	3 35	2 21	22 22	0 37	22 45	0 48	2 1	12 1	22 41	22 31	2 7			n.a.
S 22	19 2	7 7	4 57	18 56	0 38	10 50	1 19	23 36	0 58	19 21	1 16	3 38	2 21	22 22	0 37	22 45	0 48	2 1	12 1	22 42	22 32	2 5			n.a.
M23	19 16	11 26	4 35	19 39	0 48	11 17	1 17	23 41	0 58	19 19	1 16	3 40	2 21	22 21	0 37	22 45	0 48	2 0	12 1	22 43	22 32	2 2			n.a.
T 24	19 30	15 20	4 0	20 20	0 57	11 43	1 15	23 46	0 59	19 17	1 15	3 43	2 21	22 21	0 37	22 45	0 48	2 0	12 0	22 44	22 33	2 0			n.a.
W25	19 43	18 37	3 13	21 0	1 5	12 10	1 14	23 51	0 59	19 15	1 15	3 45	2 21	22 20	0 37	22 45	0 48	2 0	12 0	22 45	22 33	1 57			n.a.
T 26	19 56	21 5	2 17	21 36	1 13	12 36	1 12	23 56	0 59	19 13	1 15	3 48	2 21	22 20	0 37	22 45	0 48	2 0	12 0	22 46	22 33	1 55			n.a.
F 27	20 9	22 32	1 12	22 11	1 21	13 2	1 10	24 0	0 59	19 11	1 15	3 50	2 21	22 19	0 37	22 45	0 48	1 59	12 0	22 46	22 34	1 52			n.a.
S 28	20 22	22 47	0 2	22 43	1 27	13 27	1 8	24 4	1 0	19 8	1 15	3 52	2 22	22 19	0 37	22 45	0 48	1 59	11 59	22 46	22 34	1 50			n.a.
S 29	20 34	21 47	1n 9	23 12	1 33	13 52	1 6	24 8	1 0	19 6	1 15	3 55	2 22	22 19	0 37	22 45	0 48	1 59	11 59	22 46	22 35	1 47			n.a.
M30	20 46	19 31	2 17	23 38	1 39	14 17	1 4	24 12	1 0	19 4	1 14	3 57	2 22	22 18	0 37	22 44	0 48	1 59	11 59	22 46	22 35	1 45			n.a.
T 31	20n57	16n 7	3n19	24n 2	1n43	14n42	1s 2	24n16	1n 0	19n 1	1n14	3n59	2s22	22n18	0n37	22s44	0n48	1s59	11n59	22n46	22n35	1s42			n.a.

Julian Day Number = 1547684.5, Delta T = 04h33m06s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'31, Lahiri = -10°31'31 Julian Calendar 1 May 476 BCE == Greg. Calendar 26 Apr. 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

JUNE 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 14 40	3♊34'02	10♍ 3	12♊40	13♉22	19♊17	10♌39	15♈34	23♋27	22°R30	4°R42	16°R 6	17♋26	7♈26	n.a.	W 1
T 2	16 18 36	4°31'07	24°19	14°42	14°34	19°55	10°47	15°40	23°30	22♐28	4♏41	16♋ 4	17°23	7°33	n.a.	T 2
F 3	16 22 33	5°28'12	8♎48	16°41	15°47	20°33	10°55	15°46	23°33	22°27	4°39	16° 1	17°20	7°39	n.a.	F 3
S 4	16 26 30	6°25'17	23°26	18°39	17° 0	21°11	11° 4	15°52	23°36	22°25	4°38	15°56	17°17	7°46	n.a.	S 4
S 5	16 30 26	7°22'23	8♏ 8	20°35	18°13	21°49	11°12	15°58	23°38	22°24	4°37	15°51	17°13	7°53	n.a.	S 5
M 6	16 34 23	8°19'28	22°47	22°30	19°26	22°28	11°21	16° 4	23°41	22°22	4°35	15°45	17°10	7°59	n.a.	M 6
T 7	16 38 19	9°16'33	7♐15	24°22	20°39	23° 6	11°30	16° 9	23°44	22°20	4°34	15°40	17° 7	8° 6	n.a.	T 7
W 8	16 42 16	10°13'39	21°26	26°12	21°52	23°44	11°39	16°15	23°47	22°19	4°33	15°37	17° 4	8°13	n.a.	W 8
T 9	16 46 12	11°10'45	5♑16	28° 1	23° 5	24°22	11°48	16°21	23°50	22°17	4°32	15°35	17° 1	8°20	n.a.	T 9
F 10	16 50 9	12° 7'52	18°42	29°47	24°18	25° 0	11°57	16°26	23°53	22°16	4°31	15°D35	16°58	8°26	n.a.	F 10
S 11	16 54 5	13° 4'59	1♒45	1♋32	25°31	25°38	12° 6	16°32	23°56	22°14	4°29	15°35	16°54	8°33	n.a.	S 11
S 12	16 58 2	14° 2'07	14°26	3°15	26°44	26°17	12°16	16°37	23°59	22°12	4°28	15°37	16°51	8°40	n.a.	S 12
M13	17 1 59	14°59'16	26°49	4°56	27°57	26°55	12°25	16°43	24° 2	22°11	4°27	15°39	16°48	8°47	n.a.	M13
T 14	17 5 55	15°56'25	8♓57	6°34	29°10	27°33	12°35	16°48	24° 5	22° 9	4°26	15°40	16°45	8°53	n.a.	T 14
W15	17 9 52	16°53'35	20°56	8°11	0♊24	28°11	12°44	16°53	24° 9	22° 8	4°25	15°R40	16°42	9° 0	n.a.	W15
T 16	17 13 48	17°50'46	2♈49	9°46	1°37	28°49	12°54	16°58	24°12	22° 6	4°24	15°39	16°39	9° 7	n.a.	T 16
F 17	17 17 45	18°47'58	14°42	11°20	2°50	29°27	13° 4	17° 3	24°15	22° 4	4°23	15°37	16°35	9°13	n.a.	F 17
S 18	17 21 41	19°45'11	26°39	12°51	4° 3	0♋ 6	13°14	17° 8	24°18	22° 3	4°22	15°33	16°32	9°20	n.a.	S 18
S 19	17 25 38	20°42'24	8♉43	14°20	5°17	0°44	13°24	17°13	24°21	22° 1	4°21	15°30	16°29	9°27	n.a.	S 19
M20	17 29 35	21°39'39	20°58	15°47	6°30	1°22	13°34	17°18	24°25	22° 0	4°20	15°26	16°26	9°34	n.a.	M20
T 21	17 33 31	22°36'54	3♊25	17°12	7°43	2° 0	13°44	17°23	24°28	21°58	4°19	15°22	16°23	9°40	n.a.	T 21
W22	17 37 28	23°34'10	16° 6	18°36	8°57	2°38	13°54	17°28	24°31	21°56	4°18	15°19	16°19	9°47	n.a.	W22
T 23	17 41 24	24°31'28	29° 2	19°57	10°10	3°16	14° 5	17°32	24°35	21°55	4°17	15°17	16°16	9°54	n.a.	T 23
F 24	17 45 21	25°28'45	12♋11	21°16	11°24	3°54	14°15	17°37	24°38	21°53	4°16	15°D17	16°13	10° 0	n.a.	F 24
S 25	17 49 17	26°26'04	25°34	22°33	12°37	4°33	14°26	17°41	24°42	21°51	4°15	15°17	16°10	10° 7	n.a.	S 25
S 26	17 53 14	27°23'24	9♌10	23°47	13°51	5°11	14°36	17°46	24°45	21°50	4°15	15°18	16° 7	10°14	n.a.	S 26
M27	17 57 10	28°20'44	22°56	25° 0	15° 4	5°49	14°47	17°50	24°48	21°48	4°14	15°19	16° 4	10°21	n.a.	M27
T 28	18 1 7	29°18'05	6♍53	26°10	16°18	6°27	14°58	17°54	24°52	21°47	4°13	15°20	16° 0	10°27	n.a.	T 28
W29	18 5 4	0♋15'26	20°59	27°17	17°32	7° 5	15° 9	17°58	24°55	21°45	4°12	15°21	15°57	10°34	n.a.	W29
T 30	18 9 0	1♋12'48	5♎11	28♋23	18♊45	7♋43	15♌20	18♈ 2	24♋59	21♐43	4♏12	15°R21	15♋54	10♈41	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n 8	11n45	4n11	24n23	1n47	15n 6	1s 0	24n19	1n 1	18n59	1n14	4n 1	2s22	22n17	0n37	22s44	0n48	1s58	11n58	22n46	22n36	1s40		n.a.
T 2	21 19	6 41	4 48	24 41	1 51	15 30	0 58	24 22	1 1	18 57	1 14	4 4	2 22	22 17	0 37	22 44	0 48	1 58	11 58	22 46	22 36	1 37		n.a.
F 3	21 30	1 10	5 7	24 57	1 53	15 54	0 55	24 26	1 1	18 54	1 14	4 6	2 22	22 16	0 37	22 44	0 48	1 58	11 58	22 47	22 37	1 35		n.a.
S 4	21 40	4s28	5 7	25 10	1 55	16 17	0 53	24 28	1 1	18 52	1 14	4 8	2 23	22 16	0 37	22 44	0 48	1 58	11 57	22 47	22 37	1 32		n.a.
S 5	21 50	9 53	4 47	25 21	1 56	16 40	0 51	24 31	1 2	18 49	1 14	4 10	2 23	22 15	0 37	22 44	0 48	1 58	11 57	22 48	22 38	1 29		n.a.
M 6	21 59	14 43	4 8	25 29	1 57	17 2	0 49	24 34	1 2	18 47	1 14	4 12	2 23	22 15	0 37	22 44	0 48	1 58	11 57	22 48	22 38	1 27		n.a.
T 7	22 8	18 38	3 13	25 34	1 56	17 24	0 46	24 36	1 2	18 44	1 13	4 14	2 23	22 14	0 37	22 44	0 48	1 58	11 56	22 49	22 38	1 24		n.a.
W 8	22 16	21 21	2 8	25 37	1 56	17 46	0 44	24 38	1 2	18 41	1 13	4 16	2 23	22 14	0 36	22 44	0 48	1 58	11 56	22 49	22 39	1 22		n.a.
T 9	22 25	22 43	0 56	25 38	1 54	18 7	0 42	24 40	1 2	18 39	1 13	4 18	2 24	22 13	0 36	22 44	0 48	1 57	11 56	22 50	22 39	1 19		n.a.
F 10	22 32	22 43	0s17	25 37	1 52	18 27	0 39	24 42	1 3	18 36	1 13	4 20	2 24	22 12	0 36	22 44	0 48	1 57	11 55	22 50	22 40	1 17		n.a.
S 11	22 40	21 27	1 27	25 34	1 50	18 48	0 37	24 44	1 3	18 33	1 13	4 22	2 24	22 12	0 36	22 43	0 48	1 57	11 55	22 50	22 40	1 14		n.a.
S 12	22 47	19 7	2 31	25 29	1 47	19 7	0 35	24 45	1 3	18 30	1 13	4 24	2 24	22 11	0 36	22 43	0 48	1 57	11 55	22 49	22 40	1 12		n.a.
M13	22 54	15 58	3 26	25 22	1 43	19 26	0 32	24 46	1 3	18 28	1 13	4 26	2 24	22 11	0 36	22 43	0 48	1 57	11 54	22 49	22 41	1 9		n.a.
T 14	23 0	12 11	4 11	25 14	1 39	19 45	0 30	24 47	1 3	18 25	1 13	4 28	2 24	22 10	0 36	22 43	0 48	1 57	11 54	22 49	22 41	1 6		n.a.
W15	23 6	7 59	4 45	25 3	1 34	20 3	0 27	24 48	1 4	18 22	1 12	4 30	2 25	22 10	0 36	22 43	0 48	1 57	11 54	22 49	22 42	1 4		n.a.
T 16	23 11	3 32	5 5	24 52	1 29	20 21	0 25	24 49	1 4	18 19	1 12	4 32	2 25	22 9	0 36	22 43	0 48	1 57	11 53	22 49	22 42	1 1		n.a.
F 17	23 16	1n 4	5 13	24 38	1 23	20 38	0 22	24 49	1 4	18 16	1 12	4 33	2 25	22 9	0 36	22 43	0 48	1 57	11 53	22 50	22 42	0 59		n.a.
S 18	23 21	5 38	5 7	24 24	1 17	20 54	0 20	24 49	1 4	18 13	1 12	4 35	2 25	22 8	0 36	22 43	0 48	1 57	11 53	22 50	22 43	0 56		n.a.
S 19	23 25	10 3	4 48	24 8	1 10	21 10	0 18	24 49	1 4	18 10	1 12	4 37	2 25	22 7	0 36	22 43	0 48	1 57	11 52	22 50	22 43	0 54		n.a.
M20	23 29	14 8	4 15	23 51	1 3	21 26	0 15	24 49	1 5	18 7	1 12	4 38	2 26	22 7	0 36	22 43	0 48	1 57	11 52	22 51	22 44	0 51		n.a.
T 21	23 33	17 41	3 30	23 33	0 56	21 41	0 13	24 49	1 5	18 4	1 12	4 40	2 26	22 6	0 36	22 43	0 48	1 57	11 51	22 51	22 44	0 49		n.a.
W22	23 36	20 28	2 34	23 14	0 48	21 55	0 10	24 48	1 5	18 1	1 12	4 42	2 26	22 5	0 36	22 43	0 48	1 57	11 51	22 52	22 44	0 46		n.a.
T 23	23 38	22 17	1 28	22 54	0 40	22 8	0 8	24 48	1 5	17 58	1 12	4 43	2 26	22 5	0 36	22 42	0 48	1 58	11 51	22 52	22 45	0 43		n.a.
F 24	23 40	22 54	0 17	22 33	0 31	22 21	0 5	24 47	1 5	17 54	1 11	4 45	2 27	22 4	0 36	22 42	0 48	1 58	11 50	22 52	22 45	0 41		n.a.
S 25	23 42	22 14	0n56	22 12	0 22	22 34	0 3	24 46	1 5	17 51	1 11	4 46	2 27	22 4	0 36	22 42	0 48	1 58	11 50	22 52	22 46	0 38		n.a.
S 26	23 44	20 15	2 8	21 50	0 13	22 45	0 0	24 45	1 6	17 48	1 11	4 48	2 27	22 3	0 36	22 42	0 48	1 58	11 49	22 52	22 46	0 36		n.a.
M27	23 44	17 5	3 13	21 28	0 3	22 57	0n 2	24 43	1 6	17 45	1 11	4 49	2 27	22 2	0 36	22 42	0 48	1 58	11 49	22 52	22 46	0 33		n.a.
T 28	23 45	12 55	4 8	21 5	0s 7	23 7	0 5	24 41	1 6	17 41	1 11	4 51	2 27	22 2	0 36	22 42	0 48	1 58	11 49	22 51	22 47	0 31		n.a.
W29	23 45	8 1	4 48	20 41	0 17	23 17	0 7	24 40	1 6	17 38	1 11	4 52	2 28	22 1	0 36	22 42	0 48	1 58	11 48	22 51	22 47	0 28		n.a.
T 30	23n45	2n40	5n11	20n18	0s28	23n26	0n10	24n38	1n 6	17n35	1n11	4n53	2s28	22n 0	0n36	22s42	0n48	1s58	11n48	22n51	22n47	0s25		n.a.

Julian Day Number = 1547715.5, Delta T = 04h33m05s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'27, Lahiri = -10°31'27 Julian Calendar 1 June 476 BCE == Greg. Calendar 27 May 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

JULY 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 12 57	2♋10'11	19♎27	29♋25	19♊59	8♋22	15♌31	18♈ 6	25♋ 2	21°R42	4°R11	15°R21	15♋51	10♈48	n.a.	F 1
S 2	18 16 53	3° 7'35	3♏46	0♌25	21°13	9° 0	15°42	18°10	25° 6	21♐40	4♏10	15♋20	15°48	10°54	n.a.	S 2
S 3	18 20 50	4° 5'00	18° 2	1°22	22°26	9°38	15°53	18°14	25° 9	21°39	4°10	15°18	15°45	11° 1	n.a.	S 3
M 4	18 24 46	5° 2'25	2♐13	2°16	23°40	10°16	16° 4	18°17	25°13	21°37	4° 9	15°17	15°41	11° 8	n.a.	M 4
T 5	18 28 43	5°59'52	16°15	3° 7	24°54	10°54	16°15	18°21	25°17	21°35	4° 9	15°16	15°38	11°14	n.a.	T 5
W 6	18 32 39	6°57'19	0♑ 3	3°54	26° 8	11°32	16°26	18°24	25°20	21°34	4° 8	15°15	15°35	11°21	n.a.	W 6
T 7	18 36 36	7°54'48	13°34	4°38	27°21	12°10	16°38	18°28	25°24	21°32	4° 8	15°D15	15°32	11°28	n.a.	T 7
F 8	18 40 33	8°52'19	26°48	5°19	28°35	12°49	16°49	18°31	25°27	21°31	4° 7	15°15	15°29	11°35	n.a.	F 8
S 9	18 44 29	9°49'50	9♒44	5°56	29°49	13°27	17° 1	18°34	25°31	21°29	4° 7	15°16	15°25	11°41	n.a.	S 9
S 10	18 48 26	10°47'23	22°22	6°29	1♋ 3	14° 5	17°12	18°37	25°35	21°28	4° 6	15°16	15°22	11°48	n.a.	S 10
M11	18 52 22	11°44'57	4♓43	6°57	2°17	14°43	17°24	18°40	25°38	21°26	4° 6	15°16	15°19	11°55	n.a.	M11
T 12	18 56 19	12°42'33	16°52	7°21	3°31	15°21	17°36	18°43	25°42	21°25	4° 6	15°17	15°16	12° 2	n.a.	T 12
W13	19 0 15	13°40'11	28°52	7°41	4°45	15°59	17°47	18°46	25°46	21°23	4° 5	15°17	15°13	12° 8	n.a.	W13
T 14	19 4 12	14°37'50	10♈46	7°55	5°59	16°38	17°59	18°49	25°49	21°22	4° 5	15°17	15°10	12°15	n.a.	T 14
F 15	19 8 8	15°35'31	22°39	8° 5	7°13	17°16	18°11	18°51	25°53	21°20	4° 5	15°17	15° 6	12°22	n.a.	F 15
S 16	19 12 5	16°33'14	4♉37	8°R 9	8°27	17°54	18°23	18°54	25°57	21°19	4° 5	15°17	15° 3	12°28	n.a.	S 16
S 17	19 16 2	17°30'58	16°43	8° 8	9°41	18°32	18°35	18°56	26° 1	21°18	4° 4	15°17	15° 0	12°35	n.a.	S 17
M18	19 19 58	18°28'44	29° 1	8° 1	10°56	19°10	18°47	18°58	26° 4	21°16	4° 4	15°18	14°57	12°42	n.a.	M18
T 19	19 23 55	19°26'32	11♊35	7°49	12°10	19°49	18°59	19° 0	26° 8	21°15	4° 4	15°18	14°54	12°49	n.a.	T 19
W20	19 27 51	20°24'22	24°28	7°31	13°24	20°27	19°11	19° 3	26°12	21°13	4° 4	15°18	14°51	12°55	n.a.	W20
T 21	19 31 48	21°22'14	7♋39	7° 7	14°38	21° 5	19°23	19° 5	26°16	21°12	4°D 4	15°19	14°47	13° 2	n.a.	T 21
F 22	19 35 44	22°20'07	21°10	6°37	15°53	21°43	19°36	19° 6	26°19	21°11	4° 4	15°R19	14°44	13° 9	n.a.	F 22
S 23	19 39 41	23°18'02	4♌58	6° 2	17° 7	22°22	19°48	19° 8	26°23	21° 9	4° 4	15°18	14°41	13°16	n.a.	S 23
S 24	19 43 37	24°15'58	19° 1	5°21	18°21	23° 0	20° 0	19°10	26°27	21° 8	4° 4	15°18	14°38	13°22	n.a.	S 24
M25	19 47 34	25°13'56	3♍14	4°36	19°36	23°38	20°13	19°11	26°31	21° 7	4° 4	15°16	14°35	13°29	n.a.	M25
T 26	19 51 31	26°11'56	17°34	3°47	20°50	24°17	20°25	19°13	26°34	21° 6	4° 5	15°15	14°31	13°36	n.a.	T 26
W27	19 55 27	27° 9'57	1♎56	2°55	22° 4	24°55	20°37	19°14	26°38	21° 4	4° 5	15°14	14°28	13°42	n.a.	W27
T 28	19 59 24	28° 7'59	16°15	2° 0	23°19	25°33	20°50	19°15	26°42	21° 3	4° 5	15°13	14°25	13°49	n.a.	T 28
F 29	20 3 20	29° 6'03	0♏30	1° 4	24°33	26°11	21° 2	19°17	26°46	21° 2	4° 5	15°D13	14°22	13°56	n.a.	F 29
S 30	20 7 17	0♌ 4'08	14°36	0° 7	25°48	26°50	21°15	19°18	26°49	21° 1	4° 5	15°13	14°19	14° 3	n.a.	S 30
S 31	20 11 13	1♌ 2'15	28♏33	29♋12	27♋ 2	27♋28	21♌27	19♈18	26♋53	21♐ 0	4♏ 6	15♋14	14♋16	14♈ 9	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n44	2s51	5n15	19n55	0s39	23n34	0n12	24n35	1n 6	17n31	1n11	4n55	2s28	22n 0	0n36	22s42	0n48	1s59	11n47	22n51	22n48	0s23		n.a.
S 2	23 43	8 14	5 0	19 31	0 50	23 42	0 14	24 33	1 7	17 28	1 11	4 56	2 28	21 59	0 36	22 42	0 48	1 59	11 47	22 51	22 48	0 20		n.a.
S 3	23 41	13 10	4 26	19 8	1 1	23 49	0 17	24 30	1 7	17 24	1 11	4 57	2 29	21 58	0 36	22 42	0 48	1 59	11 46	22 52	22 49	0 18		n.a.
M 4	23 39	17 21	3 36	18 44	1 12	23 55	0 19	24 28	1 7	17 21	1 11	4 58	2 29	21 58	0 36	22 41	0 48	1 59	11 46	22 52	22 49	0 15		n.a.
T 5	23 37	20 29	2 34	18 21	1 24	24 1	0 22	24 25	1 7	17 17	1 11	4 59	2 29	21 57	0 36	22 41	0 48	2 0	11 46	22 52	22 49	0 13		n.a.
W 6	23 34	22 22	1 23	17 59	1 36	24 6	0 24	24 22	1 7	17 14	1 10	5 0	2 29	21 56	0 36	22 41	0 48	2 0	11 45	22 52	22 50	0 10		n.a.
T 7	23 31	22 54	0 9	17 37	1 48	24 10	0 26	24 18	1 7	17 10	1 10	5 2	2 30	21 56	0 36	22 41	0 48	2 0	11 45	22 52	22 50	0 7		n.a.
F 8	23 27	22 7	1s 4	17 15	2 0	24 13	0 28	24 15	1 7	17 7	1 10	5 3	2 30	21 55	0 36	22 41	0 47	2 0	11 44	22 52	22 50	0 5		n.a.
S 9	23 23	20 9	2 12	16 54	2 12	24 16	0 31	24 11	1 8	17 3	1 10	5 4	2 30	21 54	0 36	22 41	0 47	2 1	11 44	22 52	22 51	0 2		n.a.
S 10	23 18	17 15	3 11	16 35	2 24	24 18	0 33	24 7	1 8	17 0	1 10	5 5	2 30	21 54	0 36	22 41	0 47	2 1	11 43	22 52	22 51	0n 0		n.a.
M11	23 13	13 38	4 1	16 16	2 36	24 19	0 35	24 3	1 8	16 56	1 10	5 5	2 31	21 53	0 36	22 41	0 47	2 1	11 43	22 52	22 52	0 3		n.a.
T 12	23 8	9 31	4 39	15 58	2 48	24 20	0 37	23 59	1 8	16 52	1 10	5 6	2 31	21 52	0 36	22 41	0 47	2 2	11 42	22 52	22 52	0 6		n.a.
W13	23 2	5 6	5 4	15 42	2 59	24 19	0 39	23 54	1 8	16 49	1 10	5 7	2 31	21 52	0 36	22 41	0 47	2 2	11 42	22 52	22 52	0 8		n.a.
T 14	22 56	0 31	5 16	15 27	3 11	24 18	0 41	23 50	1 8	16 45	1 10	5 8	2 31	21 51	0 36	22 41	0 47	2 2	11 42	22 52	22 53	0 11		n.a.
F 15	22 50	4n 4	5 14	15 14	3 22	24 17	0 44	23 45	1 8	16 41	1 10	5 9	2 32	21 50	0 36	22 41	0 47	2 3	11 41	22 52	22 53	0 13		n.a.
S 16	22 43	8 32	4 59	15 2	3 33	24 14	0 46	23 40	1 8	16 37	1 10	5 9	2 32	21 50	0 36	22 41	0 47	2 3	11 41	22 52	22 53	0 16		n.a.
S 17	22 35	12 44	4 31	14 53	3 43	24 11	0 48	23 35	1 8	16 33	1 10	5 10	2 32	21 49	0 36	22 41	0 47	2 3	11 40	22 52	22 54	0 19		n.a.
M18	22 27	16 28	3 49	14 45	3 53	24 7	0 49	23 30	1 9	16 30	1 10	5 11	2 32	21 48	0 36	22 40	0 47	2 4	11 40	22 52	22 54	0 21		n.a.
T 19	22 19	19 34	2 56	14 40	4 1	24 2	0 51	23 24	1 9	16 26	1 10	5 11	2 33	21 47	0 36	22 40	0 47	2 4	11 39	22 52	22 54	0 24		n.a.
W20	22 11	21 45	1 53	14 37	4 9	23 57	0 53	23 18	1 9	16 22	1 10	5 12	2 33	21 47	0 36	22 40	0 47	2 5	11 39	22 52	22 55	0 26		n.a.
T 21	22 2	22 49	0 42	14 36	4 16	23 51	0 55	23 13	1 9	16 18	1 10	5 12	2 33	21 46	0 36	22 40	0 47	2 5	11 38	22 52	22 55	0 29		n.a.
F 22	21 52	22 36	0n32	14 38	4 22	23 44	0 57	23 6	1 9	16 14	1 10	5 13	2 33	21 45	0 36	22 40	0 47	2 5	11 38	22 52	22 56	0 32		n.a.
S 23	21 43	21 0	1 47	14 43	4 26	23 36	0 59	23 0	1 9	16 10	1 10	5 13	2 34	21 45	0 36	22 40	0 47	2 6	11 37	22 52	22 56	0 34		n.a.
S 24	21 33	18 6	2 56	14 49	4 29	23 28	1 0	22 54	1 9	16 6	1 9	5 14	2 34	21 44	0 36	22 40	0 47	2 6	11 37	22 52	22 56	0 37		n.a.
M25	21 22	14 6	3 55	14 59	4 31	23 19	1 2	22 47	1 9	16 2	1 9	5 14	2 34	21 43	0 36	22 40	0 47	2 7	11 36	22 52	22 57	0 39		n.a.
T 26	21 11	9 16	4 40	15 11	4 30	23 10	1 3	22 41	1 9	15 58	1 9	5 14	2 34	21 42	0 36	22 40	0 47	2 7	11 36	22 52	22 57	0 42		n.a.
W27	21 0	3 55	5 8	15 25	4 28	22 59	1 5	22 34	1 9	15 54	1 9	5 15	2 35	21 42	0 36	22 40	0 47	2 8	11 35	22 52	22 57	0 45		n.a.
T 28	20 48	1s37	5 16	15 42	4 23	22 48	1 6	22 27	1 10	15 50	1 9	5 15	2 35	21 41	0 36	22 40	0 47	2 8	11 35	22 52	22 58	0 47		n.a.
F 29	20 36	7 2	5 5	16 0	4 17	22 36	1 8	22 20	1 10	15 46	1 9	5 15	2 35	21 40	0 36	22 40	0 47	2 9	11 34	22 52	22 58	0 50		n.a.
S 30	20 24	12 2	4 36	16 20	4 9	22 24	1 9	22 12	1 10	15 42	1 9	5 15	2 36	21 40	0 36	22 40	0 47	2 9	11 34	22 52	22 58	0 52		n.a.
S 31	20n11	16s21	3n50	16n42	3s59	22n11	1n11	22n 5	1n10	15n38	1n 9	5n15	2s36	21n39	0n36	22s40	0n47	2s10	11n34	22n52	22n59	0n55		n.a.

Julian Day Number = 1547745.5, Delta T = 04h33m04s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'23, Lahiri = -10°31'23 Julian Calendar 1 July 476 BCE == Greg. Calendar 26 June 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

AUGUST 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 15 10	2♌ 0'23	12♐19	28°R18	28♋17	28♋ 6	21♌40	19♈19	26♋57	20°R58	4♏ 6	15♋16	14♋12	14♈16	n.a.	M 1
T 2	20 19 6	2°58'33	25°53	27♋28	29°31	28°45	21°53	19°20	27° 1	20♐57	4° 6	15°17	14° 9	14°23	n.a.	T 2
W 3	20 23 3	3°56'45	9♑15	26°43	0♌46	29°23	22° 5	19°21	27° 4	20°56	4° 7	15°R17	14° 6	14°29	n.a.	W 3
T 4	20 27 0	4°54'59	22°24	26° 3	2° 0	0♌ 1	22°18	19°21	27° 8	20°55	4° 7	15°17	14° 3	14°36	n.a.	T 4
F 5	20 30 56	5°53'14	5♒19	25°29	3°15	0°40	22°31	19°21	27°12	20°54	4° 8	15°16	14° 0	14°43	n.a.	F 5
S 6	20 34 53	6°51'31	18° 1	25° 4	4°30	1°18	22°44	19°22	27°15	20°53	4° 8	15°14	13°57	14°50	n.a.	S 6
S 7	20 38 49	7°49'51	0♓29	24°46	5°44	1°56	22°56	19°22	27°19	20°52	4° 9	15°11	13°53	14°56	n.a.	S 7
M 8	20 42 46	8°48'12	12°46	24°37	6°59	2°35	23° 9	19°R22	27°23	20°51	4° 9	15° 7	13°50	15° 3	n.a.	M 8
T 9	20 46 42	9°46'35	24°52	24°D36	8°14	3°13	23°22	19°22	27°27	20°50	4°10	15° 3	13°47	15°10	n.a.	T 9
W10	20 50 39	10°45'01	6♈50	24°45	9°28	3°52	23°35	19°22	27°30	20°49	4°11	15° 0	13°44	15°17	n.a.	W10
T 11	20 54 35	11°43'28	18°44	25° 3	10°43	4°30	23°48	19°21	27°34	20°48	4°11	14°57	13°41	15°23	n.a.	T 11
F 12	20 58 32	12°41'58	0♉36	25°30	11°58	5° 9	24° 1	19°21	27°38	20°48	4°12	14°55	13°37	15°30	n.a.	F 12
S 13	21 2 29	13°40'30	12°32	26° 6	13°13	5°47	24°13	19°20	27°41	20°47	4°13	14°D54	13°34	15°37	n.a.	S 13
S 14	21 6 25	14°39'05	24°36	26°51	14°27	6°25	24°26	19°20	27°45	20°46	4°13	14°54	13°31	15°43	n.a.	S 14
M15	21 10 22	15°37'42	6♊53	27°43	15°42	7° 4	24°39	19°19	27°49	20°45	4°14	14°56	13°28	15°50	n.a.	M15
T 16	21 14 18	16°36'21	19°28	28°44	16°57	7°42	24°52	19°18	27°52	20°44	4°15	14°57	13°25	15°57	n.a.	T 16
W17	21 18 15	17°35'03	2♋24	29°51	18°12	8°21	25° 5	19°17	27°56	20°44	4°16	14°59	13°22	16° 4	n.a.	W17
T 18	21 22 11	18°33'47	15°44	1♌ 4	19°27	8°59	25°18	19°16	27°59	20°43	4°17	14°R59	13°18	16°10	n.a.	T 18
F 19	21 26 8	19°32'33	29°28	2°24	20°42	9°38	25°31	19°15	28° 3	20°42	4°18	14°58	13°15	16°17	n.a.	F 19
S 20	21 30 4	20°31'21	13♌36	3°49	21°57	10°17	25°44	19°14	28° 7	20°42	4°19	14°56	13°12	16°24	n.a.	S 20
S 21	21 34 1	21°30'11	28° 4	5°18	23°11	10°55	25°57	19°12	28°10	20°41	4°20	14°52	13° 9	16°31	n.a.	S 21
M22	21 37 57	22°29'04	12♍46	6°51	24°26	11°34	26°10	19°11	28°14	20°41	4°21	14°46	13° 6	16°37	n.a.	M22
T 23	21 41 54	23°27'58	27°34	8°28	25°41	12°12	26°23	19° 9	28°17	20°40	4°22	14°41	13° 2	16°44	n.a.	T 23
W24	21 45 51	24°26'55	12♎19	10° 8	26°56	12°51	26°36	19° 7	28°21	20°40	4°23	14°35	12°59	16°51	n.a.	W24
T 25	21 49 47	25°25'53	26°56	11°50	28°11	13°29	26°50	19° 6	28°24	20°39	4°24	14°31	12°56	16°57	n.a.	T 25
F 26	21 53 44	26°24'53	11♏19	13°34	29°26	14° 8	27° 3	19° 4	28°27	20°39	4°25	14°28	12°53	17° 4	n.a.	F 26
S 27	21 57 40	27°23'55	25°25	15°19	0♍41	14°47	27°16	19° 2	28°31	20°38	4°26	14°D27	12°50	17°11	n.a.	S 27
S 28	22 1 37	28°22'59	9♐13	17° 6	1°56	15°25	27°29	19° 0	28°34	20°38	4°27	14°27	12°47	17°18	n.a.	S 28
M29	22 5 33	29°22'05	22°43	18°53	3°11	16° 4	27°42	18°57	28°38	20°38	4°29	14°28	12°43	17°24	n.a.	M29
T 30	22 9 30	0♍21'12	5♑57	20°40	4°26	16°43	27°55	18°55	28°41	20°37	4°30	14°30	12°40	17°31	n.a.	T 30
W31	22 13 26	1♍20'22	18♑57	22♌28	5♍41	17♌21	28♌ 8	18♈53	28♋44	20♐37	4♏31	14°R30	12♋37	17♈38	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	19n58	19s43	2n52	17n 4	3s47	21n57	1n12	21n57	1n10	15n33	1n 9	5n15	2s36	21n38	0n36	22s40	0n47	2s11	11n33	22n52	22n59	0n58			n.a.
T 2	19 45	21 56	1 45	17 27	3 33	21 42	1 13	21 49	1 10	15 29	1 9	5 15	2 36	21 37	0 36	22 40	0 47	2 11	11 33	22 52	22 59	1 0			n.a.
W 3	19 31	22 52	0 33	17 50	3 18	21 27	1 14	21 41	1 10	15 25	1 9	5 15	2 37	21 37	0 36	22 40	0 47	2 12	11 32	22 52	23 0	1 3			n.a.
T 4	19 17	22 30	0s39	18 14	3 2	21 12	1 15	21 33	1 10	15 21	1 9	5 15	2 37	21 36	0 36	22 40	0 47	2 12	11 32	22 52	23 0	1 6			n.a.
F 5	19 3	20 56	1 48	18 37	2 45	20 55	1 16	21 25	1 10	15 17	1 9	5 15	2 37	21 35	0 36	22 39	0 47	2 13	11 31	22 52	23 0	1 8			n.a.
S 6	18 48	18 20	2 50	18 59	2 27	20 38	1 17	21 16	1 10	15 12	1 9	5 15	2 37	21 34	0 36	22 39	0 47	2 14	11 31	22 52	23 1	1 11			n.a.
S 7	18 33	14 55	3 43	19 20	2 9	20 21	1 18	21 7	1 10	15 8	1 9	5 15	2 38	21 34	0 36	22 39	0 47	2 14	11 30	22 52	23 1	1 13			n.a.
M 8	18 18	10 55	4 25	19 40	1 50	20 3	1 19	20 59	1 10	15 4	1 9	5 15	2 38	21 33	0 36	22 39	0 47	2 15	11 30	22 53	23 1	1 16			n.a.
T 9	18 2	6 33	4 54	19 59	1 32	19 44	1 20	20 50	1 10	15 0	1 9	5 14	2 38	21 32	0 36	22 39	0 47	2 15	11 29	22 53	23 2	1 19			n.a.
W10	17 46	1 59	5 10	20 15	1 13	19 24	1 21	20 41	1 10	14 55	1 9	5 14	2 38	21 32	0 36	22 39	0 47	2 16	11 29	22 54	23 2	1 21			n.a.
T 11	17 30	2n37	5 13	20 30	0 55	19 5	1 21	20 31	1 10	14 51	1 9	5 14	2 39	21 31	0 36	22 39	0 47	2 17	11 28	22 54	23 2	1 24			n.a.
F 12	17 13	7 8	5 2	20 42	0 37	18 44	1 22	20 22	1 10	14 47	1 9	5 13	2 39	21 30	0 36	22 39	0 47	2 17	11 28	22 54	23 3	1 27			n.a.
S 13	16 56	11 24	4 38	20 52	0 21	18 23	1 22	20 12	1 10	14 42	1 9	5 13	2 39	21 29	0 36	22 39	0 47	2 18	11 27	22 54	23 3	1 29			n.a.
S 14	16 39	15 16	4 1	20 59	0 4	18 2	1 23	20 3	1 10	14 38	1 9	5 12	2 39	21 29	0 36	22 39	0 46	2 19	11 27	22 54	23 3	1 32			n.a.
M15	16 22	18 34	3 13	21 4	0n11	17 40	1 23	19 53	1 10	14 34	1 9	5 12	2 40	21 28	0 36	22 39	0 46	2 19	11 26	22 54	23 4	1 34			n.a.
T 16	16 4	21 5	2 15	21 5	0 25	17 17	1 24	19 43	1 10	14 29	1 9	5 11	2 40	21 27	0 36	22 39	0 46	2 20	11 26	22 54	23 4	1 37			n.a.
W17	15 46	22 36	1 8	21 4	0 38	16 54	1 24	19 33	1 10	14 25	1 9	5 11	2 40	21 27	0 36	22 39	0 46	2 21	11 26	22 54	23 4	1 40			n.a.
T 18	15 28	22 53	0n 4	21 0	0 50	16 31	1 24	19 23	1 10	14 20	1 9	5 10	2 40	21 26	0 36	22 39	0 46	2 22	11 25	22 54	23 5	1 42			n.a.
F 19	15 9	21 48	1 18	20 52	1 1	16 7	1 24	19 12	1 11	14 16	1 9	5 9	2 41	21 25	0 37	22 39	0 46	2 22	11 25	22 54	23 5	1 45			n.a.
S 20	14 50	19 20	2 29	20 42	1 11	15 42	1 24	19 2	1 11	14 11	1 9	5 9	2 41	21 24	0 37	22 39	0 46	2 23	11 24	22 54	23 5	1 48			n.a.
S 21	14 31	15 37	3 33	20 28	1 19	15 18	1 25	18 51	1 11	14 7	1 9	5 8	2 41	21 24	0 37	22 39	0 46	2 24	11 24	22 55	23 6	1 50			n.a.
M22	14 12	10 53	4 23	20 12	1 27	14 52	1 24	18 40	1 11	14 2	1 9	5 7	2 41	21 23	0 37	22 39	0 46	2 25	11 23	22 55	23 6	1 53			n.a.
T 23	13 52	5 30	4 56	19 53	1 33	14 27	1 24	18 29	1 11	13 58	1 9	5 6	2 42	21 22	0 37	22 39	0 46	2 25	11 23	22 56	23 6	1 55			n.a.
W24	13 33	0s12	5 9	19 31	1 39	14 1	1 24	18 18	1 11	13 53	1 9	5 5	2 42	21 22	0 37	22 39	0 46	2 26	11 22	22 57	23 7	1 58			n.a.
T 25	13 13	5 49	5 2	19 7	1 43	13 34	1 24	18 7	1 11	13 49	1 9	5 4	2 42	21 21	0 37	22 39	0 46	2 27	11 22	22 57	23 7	2 1			n.a.
F 26	12 52	11 3	4 36	18 40	1 47	13 7	1 24	17 56	1 11	13 44	1 9	5 4	2 42	21 20	0 37	22 39	0 46	2 28	11 22	22 57	23 7	2 3			n.a.
S 27	12 32	15 35	3 54	18 12	1 49	12 40	1 23	17 44	1 11	13 40	1 9	5 3	2 43	21 20	0 37	22 39	0 46	2 28	11 21	22 57	23 7	2 6			n.a.
S 28	12 11	19 10	2 59	17 41	1 51	12 13	1 23	17 33	1 11	13 35	1 9	5 2	2 43	21 19	0 37	22 39	0 46	2 29	11 21	22 57	23 8	2 9			n.a.
M29	11 51	21 38	1 55	17 8	1 52	11 45	1 22	17 21	1 11	13 31	1 9	5 0	2 43	21 18	0 37	22 39	0 46	2 30	11 20	22 57	23 8	2 11			n.a.
T 30	11 30	22 51	0 46	16 34	1 53	11 17	1 22	17 9	1 11	13 26	1 10	4 59	2 43	21 18	0 37	22 39	0 46	2 31	11 20	22 57	23 8	2 14			n.a.
W31	11n 8	22s47	0s24	15n58	1n52	10n48	1n21	16n57	1n11	13n22	1n10	4n58	2s44	21n17	0n37	22s39	0n46	2s32	11n19	22n57	23n 9	2n17			n.a.

Julian Day Number = 1547776.5, Delta T = 04h33m02s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'19, Lahiri = -10°31'18 Julian Calendar 1 Aug. 476 BCE == Greg. Calendar 27 July 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

SEPTEMBER 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 17 23	2♍19'33	1♒44	24♌17	6♍56	18♌ 0	28♌21	18°R50	28♋48	20°R37	4♏32	14°R28	12♋34	17♈45	n.a.	T 1
F 2	22 21 20	3°18'47	14°20	26° 5	8°11	18°39	28°34	18♈47	28°51	20♐36	4°34	14♋25	12°31	17°51	n.a.	F 2
S 3	22 25 16	4°18'02	26°46	27°52	9°26	19°18	28°47	18°45	28°54	20°36	4°35	14°18	12°28	17°58	n.a.	S 3
S 4	22 29 13	5°17'20	9♓ 2	29°40	10°42	19°56	29° 0	18°42	28°57	20°36	4°37	14°10	12°24	18° 5	n.a.	S 4
M 5	22 33 9	6°16'40	21°11	1♍27	11°57	20°35	29°13	18°39	29° 1	20°36	4°38	14° 0	12°21	18°11	n.a.	M 5
T 6	22 37 6	7°16'02	3♈12	3°13	13°12	21°14	29°26	18°36	29° 4	20°36	4°40	13°50	12°18	18°18	n.a.	T 6
W 7	22 41 2	8°15'26	15° 7	4°59	14°27	21°53	29°39	18°33	29° 7	20°36	4°41	13°40	12°15	18°25	n.a.	W 7
T 8	22 44 59	9°14'53	26°59	6°44	15°42	22°31	29°52	18°30	29°10	20°D36	4°43	13°31	12°12	18°32	n.a.	T 8
F 9	22 48 55	10°14'22	8♉50	8°29	16°57	23°10	0♍ 5	18°27	29°13	20°36	4°44	13°24	12° 8	18°38	n.a.	F 9
S 10	22 52 52	11°13'53	20°44	10°13	18°12	23°49	0°18	18°23	29°16	20°36	4°46	13°19	12° 5	18°45	n.a.	S 10
S 11	22 56 48	12°13'27	2♊45	11°56	19°27	24°28	0°31	18°20	29°19	20°36	4°47	13°17	12° 2	18°52	n.a.	S 11
M12	23 0 45	13°13'03	14°57	13°39	20°42	25° 7	0°44	18°16	29°22	20°36	4°49	13°D17	11°59	18°58	n.a.	M12
T 13	23 4 42	14°12'42	27°28	15°21	21°57	25°46	0°57	18°13	29°25	20°36	4°50	13°17	11°56	19° 5	n.a.	T 13
W14	23 8 38	15°12'23	10♋19	17° 2	23°13	26°25	1°10	18° 9	29°28	20°36	4°52	13°R18	11°53	19°12	n.a.	W14
T 15	23 12 35	16°12'06	23°38	18°43	24°28	27° 4	1°22	18° 5	29°31	20°37	4°54	13°17	11°49	19°19	n.a.	T 15
F 16	23 16 31	17°11'52	7♌24	20°23	25°43	27°43	1°35	18° 2	29°34	20°37	4°56	13°15	11°46	19°25	n.a.	F 16
S 17	23 20 28	18°11'40	21°40	22° 2	26°58	28°22	1°48	17°58	29°36	20°37	4°57	13°10	11°43	19°32	n.a.	S 17
S 18	23 24 24	19°11'30	6♍21	23°41	28°13	29° 1	2° 1	17°54	29°39	20°38	4°59	13° 3	11°40	19°39	n.a.	S 18
M19	23 28 21	20°11'23	21°22	25°19	29°28	29°40	2°14	17°50	29°42	20°38	5° 1	12°53	11°37	19°46	n.a.	M19
T 20	23 32 17	21°11'17	6♎32	26°56	0♎43	0♍19	2°26	17°46	29°45	20°38	5° 3	12°43	11°34	19°52	n.a.	T 20
W21	23 36 14	22°11'14	21°42	28°33	1°59	0°58	2°39	17°41	29°47	20°39	5° 4	12°32	11°30	19°59	n.a.	W21
T 22	23 40 11	23°11'12	6♏41	0♎10	3°14	1°37	2°52	17°37	29°50	20°39	5° 6	12°24	11°27	20° 6	n.a.	T 22
F 23	23 44 7	24°11'12	21°21	1°45	4°29	2°16	3° 4	17°33	29°52	20°40	5° 8	12°18	11°24	20°12	n.a.	F 23
S 24	23 48 4	25°11'14	5♐37	3°20	5°44	2°55	3°17	17°29	29°55	20°40	5°10	12°14	11°21	20°19	n.a.	S 24
S 25	23 52 0	26°11'18	19°28	4°55	6°59	3°34	3°29	17°24	29°57	20°41	5°12	12°13	11°18	20°26	n.a.	S 25
M26	23 55 57	27°11'23	2♑55	6°29	8°14	4°13	3°42	17°20	29°59	20°41	5°14	12°D12	11°14	20°33	n.a.	M26
T 27	23 59 53	28°11'30	16° 0	8° 3	9°30	4°52	3°54	17°15	0♌ 2	20°42	5°16	12°R13	11°11	20°39	n.a.	T 27
W28	0 3 50	29°11'39	28°47	9°36	10°45	5°31	4° 7	17°11	0° 5	20°43	5°18	12°12	11° 8	20°46	n.a.	W28
T 29	0 7 46	0♎11'49	11♒19	11° 9	12° 0	6°11	4°19	17° 6	0° 7	20°43	5°20	12° 8	11° 5	20°53	n.a.	T 29
F 30	0 11 43	1♎12'01	23♒40	12♎41	13♎15	6♍50	4♍32	17♈ 1	0♌ 9	20♐44	5♏22	12♋ 2	11♋ 2	20♈59	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n47	21s31	1s32	15n21	1n51	10n19	1n21	16n45	1n10	13n17	1n10	4n57	2s44	21n16	0n37	22s39	0n46	2s32	11n19	22n57	23n 9	2n19		n.a.
F 2	10 25	19 11	2 33	14 42	1 50	9 50	1 20	16 33	1 10	13 13	1 10	4 56	2 44	21 16	0 37	22 39	0 46	2 33	11 19	22 58	23 9	2 22		n.a.
S 3	10 4	15 59	3 27	14 3	1 47	9 21	1 19	16 21	1 10	13 8	1 10	4 55	2 44	21 15	0 37	22 39	0 46	2 34	11 18	22 58	23 10	2 25		n.a.
S 4	9 42	12 8	4 10	13 22	1 45	8 51	1 18	16 8	1 10	13 4	1 10	4 53	2 44	21 14	0 37	22 39	0 46	2 35	11 18	22 59	23 10	2 27		n.a.
M 5	9 20	7 50	4 41	12 41	1 42	8 22	1 17	15 56	1 10	12 59	1 10	4 52	2 45	21 14	0 37	22 39	0 46	2 36	11 17	23 0	23 10	2 30		n.a.
T 6	8 57	3 17	5 0	11 59	1 38	7 52	1 16	15 43	1 10	12 54	1 10	4 51	2 45	21 13	0 37	22 39	0 46	2 37	11 17	23 1	23 10	2 32		n.a.
W 7	8 35	1n21	5 5	11 16	1 34	7 21	1 15	15 30	1 10	12 50	1 10	4 49	2 45	21 12	0 37	22 39	0 46	2 38	11 17	23 2	23 11	2 35		n.a.
T 8	8 12	5 55	4 57	10 33	1 30	6 51	1 14	15 17	1 10	12 45	1 10	4 48	2 45	21 12	0 37	22 39	0 46	2 38	11 16	23 3	23 11	2 38		n.a.
F 9	7 50	10 17	4 36	9 49	1 25	6 20	1 13	15 5	1 10	12 41	1 10	4 47	2 45	21 11	0 37	22 39	0 46	2 39	11 16	23 4	23 11	2 40		n.a.
S 10	7 27	14 16	4 3	9 5	1 21	5 49	1 12	14 51	1 10	12 36	1 10	4 45	2 45	21 10	0 37	22 39	0 46	2 40	11 15	23 5	23 12	2 43		n.a.
S 11	7 4	17 44	3 19	8 20	1 15	5 18	1 11	14 38	1 10	12 32	1 10	4 44	2 46	21 10	0 37	22 40	0 45	2 41	11 15	23 5	23 12	2 46		n.a.
M12	6 41	20 29	2 25	7 35	1 10	4 47	1 9	14 25	1 10	12 27	1 10	4 42	2 46	21 9	0 37	22 40	0 45	2 42	11 15	23 5	23 12	2 48		n.a.
T 13	6 18	22 20	1 24	6 50	1 5	4 16	1 8	14 12	1 10	12 22	1 10	4 41	2 46	21 9	0 37	22 40	0 45	2 43	11 14	23 5	23 13	2 51		n.a.
W14	5 54	23 5	0 16	6 5	0 59	3 45	1 6	13 58	1 10	12 18	1 10	4 39	2 46	21 8	0 37	22 40	0 45	2 44	11 14	23 5	23 13	2 54		n.a.
T 15	5 31	22 33	0n55	5 20	0 53	3 13	1 5	13 45	1 10	12 13	1 10	4 38	2 46	21 7	0 37	22 40	0 45	2 45	11 13	23 5	23 13	2 56		n.a.
F 16	5 7	20 40	2 5	4 35	0 47	2 42	1 3	13 31	1 10	12 9	1 11	4 36	2 46	21 7	0 37	22 40	0 45	2 45	11 13	23 5	23 13	2 59		n.a.
S 17	4 44	17 27	3 9	3 49	0 41	2 10	1 2	13 17	1 10	12 4	1 11	4 34	2 47	21 6	0 37	22 40	0 45	2 46	11 13	23 5	23 14	3 2		n.a.
S 18	4 20	13 3	4 3	3 4	0 34	1 38	1 0	13 3	1 10	12 0	1 11	4 33	2 47	21 6	0 37	22 40	0 45	2 47	11 12	23 6	23 14	3 4		n.a.
M19	3 56	7 46	4 41	2 19	0 28	1 6	0 58	12 49	1 10	11 55	1 11	4 31	2 47	21 5	0 37	22 40	0 45	2 48	11 12	23 7	23 14	3 7		n.a.
T 20	3 32	1 57	5 0	1 34	0 22	0 34	0 57	12 35	1 10	11 50	1 11	4 29	2 47	21 5	0 37	22 40	0 45	2 49	11 12	23 8	23 15	3 10		n.a.
W21	3 8	3s58	4 58	0 49	0 15	0 3	0 55	12 21	1 9	11 46	1 11	4 28	2 47	21 4	0 37	22 40	0 45	2 50	11 11	23 9	23 15	3 12		n.a.
T 22	2 44	9 35	4 36	0 4	0 8	0s29	0 53	12 7	1 9	11 41	1 11	4 26	2 47	21 4	0 37	22 40	0 45	2 51	11 11	23 10	23 15	3 15		n.a.
F 23	2 20	14 33	3 55	0s41	0 2	1 1	0 51	11 53	1 9	11 37	1 11	4 24	2 47	21 3	0 37	22 40	0 45	2 52	11 11	23 11	23 15	3 18		n.a.
S 24	1 56	18 33	3 1	1 25	0s 5	1 33	0 49	11 38	1 9	11 32	1 11	4 22	2 47	21 3	0 37	22 40	0 45	2 53	11 10	23 11	23 16	3 20		n.a.
S 25	1 32	21 23	1 57	2 9	0 12	2 5	0 47	11 24	1 9	11 28	1 11	4 21	2 48	21 2	0 37	22 40	0 45	2 54	11 10	23 11	23 16	3 23		n.a.
M26	1 8	22 54	0 49	2 53	0 18	2 37	0 45	11 10	1 9	11 23	1 11	4 19	2 48	21 2	0 38	22 40	0 45	2 55	11 10	23 11	23 16	3 26		n.a.
T 27	0 44	23 7	0s20	3 37	0 25	3 9	0 43	10 55	1 9	11 19	1 12	4 17	2 48	21 1	0 38	22 41	0 45	2 56	11 9	23 11	23 16	3 28		n.a.
W28	0 19	22 5	1 27	4 20	0 32	3 41	0 41	10 40	1 9	11 14	1 12	4 15	2 48	21 1	0 38	22 41	0 45	2 56	11 9	23 11	23 17	3 31		n.a.
T 29	0s 5	19 58	2 27	5 3	0 38	4 12	0 39	10 26	1 9	11 10	1 12	4 13	2 48	21 0	0 38	22 41	0 45	2 57	11 9	23 11	23 17	3 34		n.a.
F 30	0s29	16s57	3s20	5s46	0s45	4s44	0n37	10n11	1n 9	11n 5	1n12	4n12	2s48	21n 0	0n38	22s41	0n45	2s58	11n 9	23n12	23n17	3n36		n.a.

Julian Day Number = 1547807.5, Delta T = 04h33m01s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'15, Lahiri = -10°31'14 Julian Calendar 1 Sept. 476 BCE == Greg. Calendar 27 Aug. 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

OCTOBER 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 15 40	2♎12'15	5♓52	14♎13	14♎30	7♍29	4♍44	16°R57	0♌11	20♐45	5♏24	11°R53	10♋59	21♈ 6	n.a.	S 1
S 2	0 19 36	3°12'31	17°57	15°44	15°45	8° 8	4°56	16♈52	0°14	20°46	5°26	11♋41	10°55	21°13	n.a.	S 2
M 3	0 23 33	4°12'48	29°57	17°15	17° 0	8°47	5° 8	16°47	0°16	20°46	5°28	11°28	10°52	21°20	n.a.	M 3
T 4	0 27 29	5°13'07	11♈53	18°45	18°16	9°27	5°21	16°43	0°18	20°47	5°30	11°13	10°49	21°26	n.a.	T 4
W 5	0 31 26	6°13'28	23°46	20°15	19°31	10° 6	5°33	16°38	0°20	20°48	5°32	10°58	10°46	21°33	n.a.	W 5
T 6	0 35 22	7°13'51	5♉38	21°45	20°46	10°45	5°45	16°33	0°22	20°49	5°34	10°45	10°43	21°40	n.a.	T 6
F 7	0 39 19	8°14'16	17°29	23°14	22° 1	11°25	5°57	16°28	0°24	20°50	5°36	10°34	10°39	21°47	n.a.	F 7
S 8	0 43 15	9°14'43	29°24	24°43	23°16	12° 4	6° 9	16°23	0°26	20°51	5°39	10°26	10°36	21°53	n.a.	S 8
S 9	0 47 12	10°15'11	11♊25	26°11	24°31	12°43	6°21	16°18	0°28	20°52	5°41	10°22	10°33	22° 0	n.a.	S 9
M10	0 51 8	11°15'42	23°36	27°39	25°46	13°23	6°33	16°13	0°29	20°53	5°43	10°19	10°30	22° 7	n.a.	M10
T 11	0 55 5	12°16'15	6♋ 2	29° 6	27° 1	14° 2	6°44	16° 8	0°31	20°54	5°45	10°19	10°27	22°13	n.a.	T 11
W12	0 59 2	13°16'50	18°47	0♏32	28°16	14°41	6°56	16° 3	0°33	20°55	5°47	10°19	10°24	22°20	n.a.	W12
T 13	1 2 58	14°17'26	1♌58	1°58	29°32	15°21	7° 8	15°59	0°35	20°56	5°49	10°18	10°20	22°27	n.a.	T 13
F 14	1 6 55	15°18'05	15°36	3°24	0♏47	16° 0	7°19	15°54	0°36	20°57	5°52	10°15	10°17	22°34	n.a.	F 14
S 15	1 10 51	16°18'45	29°45	4°48	2° 2	16°40	7°31	15°49	0°38	20°59	5°54	10°10	10°14	22°40	n.a.	S 15
S 16	1 14 48	17°19'27	14♍23	6°12	3°17	17°19	7°42	15°44	0°39	21° 0	5°56	10° 2	10°11	22°47	n.a.	S 16
M17	1 18 44	18°20'11	29°25	7°35	4°32	17°59	7°54	15°39	0°41	21° 1	5°58	9°52	10° 8	22°54	n.a.	M17
T 18	1 22 41	19°20'57	14♎42	8°56	5°47	18°38	8° 5	15°34	0°42	21° 2	6° 1	9°40	10° 5	23° 0	n.a.	T 18
W19	1 26 37	20°21'44	0♏ 4	10°17	7° 2	19°18	8°16	15°29	0°43	21° 4	6° 3	9°29	10° 1	23° 7	n.a.	W19
T 20	1 30 34	21°22'32	15°18	11°37	8°17	19°58	8°28	15°24	0°45	21° 5	6° 5	9°19	9°58	23°14	n.a.	T 20
F 21	1 34 31	22°23'22	0♐15	12°55	9°32	20°37	8°39	15°19	0°46	21° 6	6° 8	9°12	9°55	23°21	n.a.	F 21
S 22	1 38 27	23°24'13	14°46	14°11	10°47	21°17	8°50	15°14	0°47	21° 8	6°10	9° 7	9°52	23°27	n.a.	S 22
S 23	1 42 24	24°25'05	28°48	15°25	12° 2	21°56	9° 1	15° 9	0°48	21° 9	6°12	9° 5	9°49	23°34	n.a.	S 23
M24	1 46 20	25°25'58	12♑22	16°38	13°17	22°36	9°12	15° 4	0°49	21°11	6°14	9°D 5	9°45	23°41	n.a.	M24
T 25	1 50 17	26°26'52	25°30	17°48	14°32	23°16	9°22	15° 0	0°50	21°12	6°17	9°R 5	9°42	23°47	n.a.	T 25
W26	1 54 13	27°27'47	8♒15	18°55	15°48	23°55	9°33	14°55	0°51	21°14	6°19	9° 5	9°39	23°54	n.a.	W26
T 27	1 58 10	28°28'43	20°42	19°59	17° 3	24°35	9°44	14°50	0°52	21°15	6°21	9° 2	9°36	24° 1	n.a.	T 27
F 28	2 2 6	29°29'40	2♓56	20°59	18°18	25°15	9°54	14°45	0°53	21°17	6°24	8°57	9°33	24° 8	n.a.	F 28
S 29	2 6 3	0♏30'38	15° 0	21°55	19°33	25°55	10° 5	14°41	0°54	21°18	6°26	8°50	9°30	24°14	n.a.	S 29
S 30	2 10 0	1°31'37	26°57	22°46	20°48	26°34	10°15	14°36	0°55	21°20	6°28	8°39	9°26	24°21	n.a.	S 30
M31	2 13 56	2♏32'36	8♈52	23♏32	22♏ 2	27♍14	10♍25	14♈31	0♌55	21♐21	6♏31	8♋27	9♋23	24♈28	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s53	13s14	4s 3	6s28	0s51	5s15	0n35	9n56	1n 8	11n 1	1n12	4n10	2s48	20n59	0n38	22s41	0n45	2s59	11n 8	23n13	23n18	3n39		n.a.
S 2	1 18	9 1	4 34	7 9	0 58	5 47	0 33	9 41	1 8	10 56	1 12	4 8	2 48	20 59	0 38	22 41	0 45	3 0	11 8	23 14	23 18	3 42		n.a.
M 3	1 42	4 30	4 53	7 51	1 4	6 18	0 30	9 26	1 8	10 52	1 12	4 6	2 48	20 58	0 38	22 41	0 45	3 1	11 8	23 15	23 18	3 44		n.a.
T 4	2 6	0n11	4 59	8 32	1 10	6 49	0 28	9 11	1 8	10 48	1 12	4 4	2 48	20 58	0 38	22 41	0 45	3 2	11 7	23 16	23 18	3 47		n.a.
W 5	2 30	4 50	4 52	9 12	1 17	7 20	0 26	8 56	1 8	10 43	1 12	4 2	2 48	20 58	0 38	22 41	0 45	3 3	11 7	23 18	23 19	3 50		n.a.
T 6	2 54	9 18	4 32	9 52	1 23	7 51	0 23	8 40	1 8	10 39	1 13	4 0	2 48	20 57	0 38	22 41	0 45	3 4	11 7	23 19	23 19	3 52		n.a.
F 7	3 19	13 26	4 0	10 31	1 29	8 21	0 21	8 25	1 8	10 34	1 13	3 58	2 48	20 57	0 38	22 41	0 45	3 5	11 7	23 20	23 19	3 55		n.a.
S 8	3 43	17 4	3 18	11 9	1 34	8 52	0 19	8 10	1 8	10 30	1 13	3 56	2 48	20 56	0 38	22 42	0 44	3 6	11 6	23 20	23 19	3 58		n.a.
S 9	4 7	20 2	2 26	11 47	1 40	9 22	0 16	7 54	1 7	10 26	1 13	3 55	2 48	20 56	0 38	22 42	0 44	3 7	11 6	23 21	23 20	4 0		n.a.
M10	4 31	22 9	1 27	12 25	1 46	9 52	0 14	7 39	1 7	10 21	1 13	3 53	2 48	20 56	0 38	22 42	0 44	3 8	11 6	23 21	23 20	4 3		n.a.
T 11	4 55	23 14	0 23	13 1	1 51	10 22	0 12	7 23	1 7	10 17	1 13	3 51	2 48	20 55	0 38	22 42	0 44	3 8	11 6	23 21	23 20	4 6		n.a.
W12	5 19	23 9	0n45	13 37	1 56	10 52	0 9	7 8	1 7	10 13	1 13	3 49	2 48	20 55	0 38	22 42	0 44	3 9	11 5	23 21	23 20	4 8		n.a.
T 13	5 42	21 48	1 52	14 12	2 1	11 21	0 7	6 52	1 7	10 8	1 14	3 47	2 48	20 55	0 38	22 42	0 44	3 10	11 5	23 21	23 21	4 11		n.a.
F 14	6 6	19 9	2 55	14 46	2 5	11 50	0 4	6 37	1 7	10 4	1 14	3 45	2 48	20 54	0 38	22 42	0 44	3 11	11 5	23 21	23 21	4 14		n.a.
S 15	6 30	15 17	3 50	15 19	2 10	12 19	0 2	6 21	1 6	10 0	1 14	3 43	2 48	20 54	0 38	22 42	0 44	3 12	11 5	23 21	23 21	4 16		n.a.
S 16	6 53	10 23	4 31	15 51	2 14	12 47	0s 1	6 5	1 6	9 56	1 14	3 41	2 48	20 54	0 38	22 42	0 44	3 13	11 5	23 22	23 21	4 19		n.a.
M17	7 17	4 45	4 55	16 23	2 17	13 15	0 3	5 49	1 6	9 52	1 14	3 39	2 48	20 53	0 38	22 43	0 44	3 14	11 4	23 23	23 22	4 22		n.a.
T 18	7 40	1s17	4 59	16 53	2 21	13 43	0 6	5 34	1 6	9 47	1 14	3 37	2 48	20 53	0 38	22 43	0 44	3 15	11 4	23 24	23 22	4 24		n.a.
W19	8 3	7 15	4 42	17 22	2 24	14 10	0 8	5 18	1 6	9 43	1 14	3 36	2 48	20 53	0 38	22 43	0 44	3 16	11 4	23 24	23 22	4 27		n.a.
T 20	8 27	12 45	4 4	17 50	2 26	14 37	0 11	5 2	1 6	9 39	1 15	3 34	2 48	20 53	0 38	22 43	0 44	3 17	11 4	23 25	23 22	4 30		n.a.
F 21	8 50	17 22	3 10	18 16	2 28	15 4	0 13	4 46	1 5	9 35	1 15	3 32	2 48	20 52	0 38	22 43	0 44	3 18	11 4	23 26	23 23	4 32		n.a.
S 22	9 12	20 48	2 5	18 41	2 30	15 31	0 16	4 30	1 5	9 31	1 15	3 30	2 48	20 52	0 39	22 43	0 44	3 18	11 4	23 26	23 23	4 35		n.a.
S 23	9 35	22 51	0 54	19 4	2 31	15 56	0 18	4 14	1 5	9 27	1 15	3 28	2 48	20 52	0 39	22 43	0 44	3 19	11 3	23 26	23 23	4 38		n.a.
M24	9 58	23 27	0s17	19 26	2 31	16 22	0 21	3 58	1 5	9 23	1 15	3 26	2 48	20 52	0 39	22 43	0 44	3 20	11 3	23 26	23 23	4 40		n.a.
T 25	10 20	22 44	1 26	19 46	2 31	16 47	0 24	3 42	1 5	9 19	1 15	3 25	2 47	20 52	0 39	22 44	0 44	3 21	11 3	23 26	23 24	4 43		n.a.
W26	10 42	20 49	2 28	20 5	2 30	17 12	0 26	3 26	1 4	9 15	1 16	3 23	2 47	20 51	0 39	22 44	0 44	3 22	11 3	23 26	23 24	4 46		n.a.
T 27	11 4	17 58	3 22	20 21	2 29	17 36	0 29	3 9	1 4	9 11	1 16	3 21	2 47	20 51	0 39	22 44	0 44	3 23	11 3	23 26	23 24	4 48		n.a.
F 28	11 26	14 22	4 5	20 35	2 26	18 0	0 31	2 53	1 4	9 7	1 16	3 19	2 47	20 51	0 39	22 44	0 44	3 24	11 3	23 27	23 24	4 51		n.a.
S 29	11 48	10 13	4 37	20 47	2 23	18 23	0 33	2 37	1 4	9 4	1 16	3 18	2 47	20 51	0 39	22 44	0 44	3 25	11 3	23 27	23 24	4 54		n.a.
S 30	12 10	5 44	4 56	20 56	2 19	18 46	0 36	2 21	1 4	9 0	1 16	3 16	2 47	20 51	0 39	22 44	0 44	3 25	11 2	23 28	23 25	4 56		n.a.
M31	12s31	1s 3	5s 2	21s 3	2s13	19s 8	0s38	2n 5	1n 3	8n56	1n16	3n14	2s47	20n51	0n39	22s44	0n44	3s26	11n 2	23n29	23n25	4n59		n.a.

Julian Day Number = 1547837.5, Delta T = 04h33m00s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'10, Lahiri = -10°31'10 Julian Calendar 1 Oct. 476 BCE == Greg. Calendar 26 Sept. 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

NOVEMBER 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 17 53	3♏33'37	20♈44	24♏12	23♏17	27♍54	10♍35	14°R27	0♌56	21♐23	6♏33	8°R14	9♋20	24♈35	n.a.	T 1
W 2	2 21 49	4°34'39	2♉37	24°44	24°32	28°34	10°46	14♈22	0°56	21°25	6°35	8♋ 1	9°17	24°41	n.a.	W 2
T 3	2 25 46	5°35'41	14°30	25°10	25°47	29°13	10°56	14°18	0°57	21°27	6°38	7°49	9°14	24°48	n.a.	T 3
F 4	2 29 42	6°36'45	26°27	25°26	27° 2	29°53	11° 5	14°14	0°57	21°28	6°40	7°40	9°10	24°55	n.a.	F 4
S 5	2 33 39	7°37'50	8♊28	25°R33	28°17	0♎33	11°15	14° 9	0°58	21°30	6°42	7°33	9° 7	25° 1	n.a.	S 5
S 6	2 37 35	8°38'56	20°35	25°30	29°32	1°13	11°25	14° 5	0°58	21°32	6°45	7°29	9° 4	25° 8	n.a.	S 6
M 7	2 41 32	9°40'02	2♋51	25°16	0♐47	1°53	11°34	14° 1	0°59	21°34	6°47	7°D27	9° 1	25°15	n.a.	M 7
T 8	2 45 29	10°41'10	15°20	24°51	2° 2	2°33	11°44	13°57	0°59	21°35	6°49	7°27	8°58	25°22	n.a.	T 8
W 9	2 49 25	11°42'19	28° 5	24°15	3°17	3°13	11°53	13°53	0°59	21°37	6°52	7°28	8°55	25°28	n.a.	W 9
T 10	2 53 22	12°43'29	11♌11	23°27	4°32	3°53	12° 3	13°48	0°59	21°39	6°54	7°R29	8°51	25°35	n.a.	T 10
F 11	2 57 18	13°44'40	24°41	22°28	5°46	4°33	12°12	13°45	0°59	21°41	6°56	7°28	8°48	25°42	n.a.	F 11
S 12	3 1 15	14°45'52	8♍36	21°21	7° 1	5°13	12°21	13°41	0°R59	21°43	6°59	7°26	8°45	25°48	n.a.	S 12
S 13	3 5 11	15°47'05	22°59	20° 6	8°16	5°53	12°30	13°37	0°59	21°45	7° 1	7°21	8°42	25°55	n.a.	S 13
M14	3 9 8	16°48'18	7♎45	18°46	9°31	6°33	12°38	13°33	0°59	21°47	7° 3	7°14	8°39	26° 2	n.a.	M14
T 15	3 13 4	17°49'32	22°49	17°23	10°46	7°13	12°47	13°29	0°59	21°49	7° 6	7° 7	8°36	26° 9	n.a.	T 15
W16	3 17 1	18°50'47	8♏ 3	16° 1	12° 1	7°53	12°56	13°26	0°59	21°51	7° 8	6°59	8°32	26°15	n.a.	W16
T 17	3 20 58	19°52'03	23°15	14°42	13°15	8°33	13° 4	13°22	0°58	21°53	7°10	6°52	8°29	26°22	n.a.	T 17
F 18	3 24 54	20°53'19	8♐15	13°28	14°30	9°13	13°12	13°19	0°58	21°55	7°13	6°47	8°26	26°29	n.a.	F 18
S 19	3 28 51	21°54'35	22°54	12°22	15°45	9°53	13°21	13°16	0°58	21°57	7°15	6°44	8°23	26°35	n.a.	S 19
S 20	3 32 47	22°55'52	7♑ 7	11°25	17° 0	10°34	13°29	13°13	0°57	21°59	7°17	6°D43	8°20	26°42	n.a.	S 20
M21	3 36 44	23°57'09	20°51	10°39	18°14	11°14	13°37	13° 9	0°57	22° 1	7°20	6°44	8°16	26°49	n.a.	M21
T 22	3 40 40	24°58'25	4♒ 8	10° 3	19°29	11°54	13°44	13° 6	0°56	22° 3	7°22	6°45	8°13	26°56	n.a.	T 22
W23	3 44 37	25°59'42	16°59	9°37	20°44	12°34	13°52	13° 3	0°56	22° 5	7°24	6°46	8°10	27° 2	n.a.	W23
T 24	3 48 34	27° 0'58	29°30	9°23	21°58	13°14	13°59	13° 1	0°55	22° 7	7°26	6°R47	8° 7	27° 9	n.a.	T 24
F 25	3 52 30	28° 2'14	11♓44	9°D18	23°13	13°55	14° 7	12°58	0°54	22° 9	7°29	6°45	8° 4	27°16	n.a.	F 25
S 26	3 56 27	29° 3'30	23°46	9°23	24°28	14°35	14°14	12°55	0°53	22°11	7°31	6°43	8° 1	27°22	n.a.	S 26
S 27	4 0 23	0♐ 4'46	5♈41	9°36	25°42	15°15	14°21	12°53	0°53	22°13	7°33	6°38	7°57	27°29	n.a.	S 27
M28	4 4 20	1° 6'02	17°33	9°57	26°57	15°55	14°28	12°50	0°52	22°15	7°35	6°32	7°54	27°36	n.a.	M28
T 29	4 8 16	2° 7'17	29°24	10°26	28°11	16°36	14°35	12°48	0°51	22°18	7°37	6°25	7°51	27°43	n.a.	T 29
W30	4 12 13	3♐ 8'32	11♉18	11♏ 1	29♐26	17♎16	14♍42	12♈46	0♌50	22♐20	7♏40	6♋19	7♋48	27♈49	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s52	3n39	4s55	21s 7	2s 7	19s30	0s41	1n49	1n 3	8n52	1n17	3n13	2s47	20n51	0n39	22s45	0n44	3s27	11n 2	23n30	23n25	5n 2		n.a.
W 2	13 13	8 14	4 35	21 7	1 59	19 51	0 43	1 32	1 3	8 49	1 17	3 11	2 46	20 51	0 39	22 45	0 44	3 28	11 2	23 30	23 25	5 4		n.a.
T 3	13 34	12 32	4 3	21 5	1 50	20 12	0 46	1 16	1 3	8 45	1 17	3 10	2 46	20 51	0 39	22 45	0 44	3 29	11 2	23 31	23 26	5 7		n.a.
F 4	13 54	16 22	3 20	20 59	1 39	20 32	0 48	1 0	1 2	8 41	1 17	3 8	2 46	20 51	0 39	22 45	0 44	3 30	11 2	23 32	23 26	5 10		n.a.
S 5	14 14	19 34	2 28	20 49	1 27	20 51	0 50	0 43	1 2	8 38	1 17	3 6	2 46	20 50	0 39	22 45	0 44	3 30	11 2	23 32	23 26	5 12		n.a.
S 6	14 34	21 56	1 29	20 35	1 14	21 10	0 52	0 27	1 2	8 34	1 18	3 5	2 46	20 50	0 39	22 45	0 44	3 31	11 2	23 32	23 26	5 15		n.a.
M 7	14 54	23 19	0 25	20 17	0 59	21 28	0 55	0 11	1 2	8 31	1 18	3 3	2 46	20 50	0 39	22 45	0 44	3 32	11 2	23 32	23 26	5 18		n.a.
T 8	15 13	23 33	0n42	19 54	0 42	21 46	0 57	0s 6	1 1	8 27	1 18	3 2	2 45	20 50	0 39	22 45	0 43	3 33	11 2	23 32	23 27	5 21		n.a.
W 9	15 33	22 35	1 48	19 28	0 24	22 3	0 59	0 22	1 1	8 24	1 18	3 1	2 45	20 50	0 39	22 46	0 43	3 34	11 2	23 32	23 27	5 23		n.a.
T 10	15 52	20 23	2 51	18 58	0 5	22 20	1 1	0 38	1 1	8 20	1 19	2 59	2 45	20 50	0 39	22 46	0 43	3 34	11 1	23 32	23 27	5 26		n.a.
F 11	16 10	17 0	3 46	18 23	0n15	22 36	1 4	0 54	1 0	8 17	1 19	2 58	2 45	20 50	0 39	22 46	0 43	3 35	11 1	23 32	23 27	5 29		n.a.
S 12	16 29	12 36	4 29	17 46	0 35	22 51	1 6	1 11	1 0	8 14	1 19	2 56	2 45	20 50	0 39	22 46	0 43	3 36	11 1	23 32	23 28	5 31		n.a.
S 13	16 47	7 22	4 57	17 6	0 56	23 5	1 8	1 27	1 0	8 11	1 19	2 55	2 44	20 51	0 39	22 46	0 43	3 37	11 1	23 33	23 28	5 34		n.a.
M14	17 5	1 34	5 7	16 25	1 16	23 19	1 10	1 43	1 0	8 7	1 19	2 54	2 44	20 51	0 39	22 46	0 43	3 38	11 1	23 33	23 28	5 37		n.a.
T 15	17 22	4s25	4 55	15 44	1 35	23 32	1 12	2 0	0 59	8 4	1 20	2 53	2 44	20 51	0 40	22 47	0 43	3 38	11 1	23 34	23 28	5 39		n.a.
W16	17 39	10 13	4 23	15 3	1 52	23 44	1 14	2 16	0 59	8 1	1 20	2 51	2 44	20 51	0 40	22 47	0 43	3 39	11 1	23 34	23 28	5 42		n.a.
T 17	17 56	15 24	3 33	14 25	2 8	23 56	1 16	2 32	0 59	7 58	1 20	2 50	2 44	20 51	0 40	22 47	0 43	3 40	11 1	23 34	23 29	5 45		n.a.
F 18	18 13	19 32	2 28	13 50	2 22	24 7	1 17	2 49	0 58	7 55	1 20	2 49	2 43	20 51	0 40	22 47	0 43	3 41	11 1	23 35	23 29	5 47		n.a.
S 19	18 29	22 20	1 14	13 19	2 34	24 17	1 19	3 5	0 58	7 52	1 21	2 48	2 43	20 51	0 40	22 47	0 43	3 41	11 1	23 35	23 29	5 50		n.a.
S 20	18 45	23 36	0s 2	12 52	2 43	24 27	1 21	3 21	0 58	7 49	1 21	2 47	2 43	20 51	0 40	22 47	0 43	3 42	11 1	23 35	23 29	5 53		n.a.
M21	19 0	23 22	1 16	12 31	2 50	24 36	1 23	3 37	0 57	7 46	1 21	2 46	2 43	20 51	0 40	22 47	0 43	3 43	11 1	23 35	23 29	5 55		n.a.
T 22	19 16	21 47	2 23	12 15	2 55	24 44	1 24	3 54	0 57	7 43	1 21	2 45	2 42	20 52	0 40	22 48	0 43	3 43	11 1	23 35	23 30	5 58		n.a.
W23	19 30	19 8	3 21	12 4	2 58	24 51	1 26	4 10	0 57	7 41	1 21	2 44	2 42	20 52	0 40	22 48	0 43	3 44	11 1	23 35	23 30	6 1		n.a.
T 24	19 45	15 39	4 7	11 59	2 59	24 58	1 27	4 26	0 56	7 38	1 22	2 43	2 42	20 52	0 40	22 48	0 43	3 45	11 1	23 35	23 30	6 3		n.a.
F 25	19 59	11 35	4 42	11 58	2 59	25 3	1 29	4 42	0 56	7 35	1 22	2 42	2 42	20 52	0 40	22 48	0 43	3 45	11 1	23 35	23 30	6 6		n.a.
S 26	20 13	7 7	5 3	12 1	2 57	25 8	1 30	4 58	0 55	7 33	1 22	2 42	2 41	20 52	0 40	22 48	0 43	3 46	11 1	23 35	23 30	6 9		n.a.
S 27	20 26	2 27	5 10	12 8	2 54	25 13	1 32	5 14	0 55	7 30	1 22	2 41	2 41	20 53	0 40	22 48	0 43	3 47	11 2	23 35	23 31	6 11		n.a.
M28	20 39	2n17	5 5	12 19	2 50	25 16	1 33	5 30	0 55	7 28	1 23	2 40	2 41	20 53	0 40	22 48	0 43	3 47	11 2	23 35	23 31	6 14		n.a.
T 29	20 51	6 57	4 46	12 32	2 45	25 19	1 34	5 46	0 54	7 25	1 23	2 40	2 41	20 53	0 40	22 49	0 43	3 48	11 2	23 36	23 31	6 17		n.a.
W30	21s 4	11n23	4s15	12s48	2n39	25s20	1s35	6s 2	0n54	7n23	1n23	2n39	2s40	20n53	0n40	22s49	0n43	3s49	11n 2	23n36	23n31	6n19		n.a.

Julian Day Number = 1547868.5, Delta T = 04h32m59s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'06, Lahiri = -10°31'06 Julian Calendar 1 Nov. 476 BCE == Greg. Calendar 27 Oct. 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 476 BCE
geocentric

DECEMBER 476 BCE (-475) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 16 9	4♐ 9'47	23♉17	11♏42	0♑40	17♎56	14♍48	12°R43	0°R49	22♐22	7♏42	6°R13	7♋45	27♈56	n.a.	T 1
F 2	4 20 6	5°11'02	5♊21	12°28	1°55	18°37	14°55	12♈41	0♌48	22°24	7°44	6♋ 8	7°42	28° 3	n.a.	F 2
S 3	4 24 3	6°12'17	17°33	13°19	3° 9	19°17	15° 1	12°39	0°47	22°26	7°46	6° 5	7°38	28° 9	n.a.	S 3
S 4	4 27 59	7°13'32	29°54	14°13	4°24	19°58	15° 7	12°38	0°45	22°29	7°48	6° 3	7°35	28°16	n.a.	S 4
M 5	4 31 56	8°14'46	12♋25	15°12	5°38	20°38	15°13	12°36	0°44	22°31	7°50	6°D 3	7°32	28°23	n.a.	M 5
T 6	4 35 52	9°16'01	25° 7	16°14	6°53	21°18	15°19	12°34	0°43	22°33	7°52	6° 4	7°29	28°30	n.a.	T 6
W 7	4 39 49	10°17'15	8♌ 4	17°18	8° 7	21°59	15°24	12°33	0°42	22°35	7°54	6° 6	7°26	28°36	n.a.	W 7
T 8	4 43 45	11°18'29	21°16	18°25	9°21	22°39	15°30	12°31	0°40	22°37	7°56	6° 8	7°22	28°43	n.a.	T 8
F 9	4 47 42	12°19'43	4♍45	19°35	10°36	23°20	15°35	12°30	0°39	22°40	7°58	6° 9	7°19	28°50	n.a.	F 9
S 10	4 51 38	13°20'57	18°34	20°47	11°50	24° 0	15°40	12°29	0°37	22°42	8° 0	6°R 9	7°16	28°56	n.a.	S 10
S 11	4 55 35	14°22'10	2♎41	22° 0	13° 4	24°41	15°45	12°28	0°36	22°44	8° 2	6° 8	7°13	29° 3	n.a.	S 11
M12	4 59 32	15°23'23	17° 7	23°15	14°18	25°21	15°50	12°27	0°34	22°46	8° 4	6° 6	7°10	29°10	n.a.	M12
T 13	5 3 28	16°24'36	1♏46	24°32	15°33	26° 2	15°54	12°26	0°33	22°49	8° 6	6° 3	7° 7	29°17	n.a.	T 13
W14	5 7 25	17°25'49	16°35	25°50	16°47	26°43	15°59	12°25	0°31	22°51	8° 8	6° 1	7° 3	29°23	n.a.	W14
T 15	5 11 21	18°27'01	1♐26	27°10	18° 1	27°23	16° 3	12°25	0°29	22°53	8°10	5°58	7° 0	29°30	n.a.	T 15
F 16	5 15 18	19°28'13	16°10	28°31	19°15	28° 4	16° 7	12°24	0°28	22°56	8°12	5°57	6°57	29°37	n.a.	F 16
S 17	5 19 14	20°29'24	0♑40	29°52	20°29	28°44	16°11	12°24	0°26	22°58	8°14	5°D56	6°54	29°43	n.a.	S 17
S 18	5 23 11	21°30'34	14°51	1♐15	21°43	29°25	16°15	12°24	0°24	23° 0	8°16	5°56	6°51	29°50	n.a.	S 18
M19	5 27 8	22°31'43	28°39	2°39	22°57	0♏ 6	16°19	12°24	0°22	23° 2	8°18	5°57	6°48	29°57	n.a.	M19
T 20	5 31 4	23°32'51	12♒ 2	4° 4	24°11	0°46	16°22	12°D24	0°20	23° 5	8°19	5°58	6°44	0♉ 4	n.a.	T 20
W21	5 35 1	24°33'58	25° 0	5°29	25°25	1°27	16°25	12°24	0°18	23° 7	8°21	5°59	6°41	0°10	n.a.	W21
T 22	5 38 57	25°35'04	7♓37	6°56	26°39	2° 8	16°28	12°24	0°16	23° 9	8°23	6° 0	6°38	0°17	n.a.	T 22
F 23	5 42 54	26°36'09	19°56	8°23	27°53	2°48	16°31	12°24	0°14	23°11	8°25	6° 1	6°35	0°24	n.a.	F 23
S 24	5 46 50	27°37'12	2♈ 1	9°51	29° 6	3°29	16°34	12°25	0°12	23°14	8°26	6°R 1	6°32	0°30	n.a.	S 24
S 25	5 50 47	28°38'14	13°57	11°19	0♒20	4°10	16°36	12°25	0°10	23°16	8°28	6° 0	6°28	0°37	n.a.	S 25
M26	5 54 43	29°39'15	25°48	12°49	1°34	4°50	16°39	12°26	0° 8	23°18	8°30	6° 0	6°25	0°44	n.a.	M26
T 27	5 58 40	0♑40'14	7♉40	14°19	2°47	5°31	16°41	12°27	0° 6	23°21	8°31	5°59	6°22	0°51	n.a.	T 27
W28	6 2 37	1°41'12	19°36	15°50	4° 1	6°12	16°43	12°28	0° 4	23°23	8°33	5°58	6°19	0°57	n.a.	W28
T 29	6 6 33	2°42'09	1♊39	17°21	5°14	6°53	16°45	12°29	0° 1	23°25	8°35	5°58	6°16	1° 4	n.a.	T 29
F 30	6 10 30	3°43'04	13°51	18°53	6°28	7°34	16°46	12°30	29♋59	23°27	8°36	5°57	6°13	1°11	n.a.	F 30
S 31	6 14 26	4♑43'58	26♊16	20♐26	7♒41	8♏14	16♍48	12♈31	29♋57	23♐30	8♏38	5♋57	6♋ 9	1♉17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21 s15	15n24	3 s33	13 s 7	2n33	25 s22	1 s37	6 s18	0n54	7n21	1n24	2n38	2 s40	20n54	0n40	22 s49	0n43	3 s49	11n 2	23n36	23n31	6n22			n.a.
F 2	21 27	18 51	2 40	13 28	2 26	25 22	1 38	6 34	0 53	7 18	1 24	2 38	2 40	20 54	0 40	22 49	0 43	3 50	11 2	23 36	23 32	6 25			n.a.
S 3	21 38	21 30	1 40	13 50	2 19	25 21	1 39	6 50	0 53	7 16	1 24	2 37	2 39	20 54	0 40	22 49	0 43	3 50	11 2	23 37	23 32	6 28			n.a.
S 4	21 48	23 11	0 34	14 13	2 12	25 20	1 39	7 6	0 52	7 14	1 24	2 37	2 39	20 54	0 40	22 49	0 43	3 51	11 2	23 37	23 32	6 30			n.a.
M 5	21 58	23 45	0n35	14 38	2 4	25 18	1 40	7 22	0 52	7 12	1 25	2 36	2 39	20 55	0 40	22 49	0 43	3 51	11 2	23 37	23 32	6 33			n.a.
T 6	22 8	23 4	1 43	15 4	1 56	25 15	1 41	7 37	0 52	7 10	1 25	2 36	2 39	20 55	0 40	22 50	0 43	3 52	11 2	23 37	23 32	6 36			n.a.
W 7	22 17	21 10	2 47	15 30	1 48	25 12	1 42	7 53	0 51	7 8	1 25	2 36	2 38	20 55	0 40	22 50	0 43	3 53	11 2	23 37	23 32	6 38			n.a.
T 8	22 26	18 7	3 43	15 57	1 40	25 7	1 42	8 9	0 51	7 6	1 25	2 36	2 38	20 56	0 40	22 50	0 43	3 53	11 2	23 36	23 33	6 41			n.a.
F 9	22 34	14 3	4 29	16 24	1 31	25 2	1 43	8 24	0 50	7 4	1 26	2 35	2 38	20 56	0 40	22 50	0 43	3 54	11 3	23 36	23 33	6 44			n.a.
S 10	22 42	9 10	5 0	16 51	1 23	24 56	1 43	8 40	0 50	7 2	1 26	2 35	2 37	20 56	0 41	22 50	0 43	3 54	11 3	23 36	23 33	6 46			n.a.
S 11	22 49	3 43	5 14	17 18	1 15	24 49	1 44	8 55	0 49	7 1	1 26	2 35	2 37	20 57	0 41	22 50	0 43	3 55	11 3	23 36	23 33	6 49			n.a.
M12	22 56	2 s 3	5 9	17 46	1 6	24 42	1 44	9 11	0 49	6 59	1 27	2 35	2 37	20 57	0 41	22 50	0 43	3 55	11 3	23 37	23 33	6 52			n.a.
T 13	23 3	7 48	4 44	18 13	0 58	24 34	1 44	9 26	0 48	6 58	1 27	2 35	2 36	20 58	0 41	22 51	0 43	3 56	11 3	23 37	23 34	6 54			n.a.
W14	23 9	13 11	4 0	18 40	0 50	24 25	1 45	9 41	0 48	6 56	1 27	2 35	2 36	20 58	0 41	22 51	0 43	3 56	11 3	23 37	23 34	6 57			n.a.
T 15	23 15	17 47	2 59	19 7	0 41	24 15	1 45	9 56	0 47	6 55	1 27	2 35	2 36	20 58	0 41	22 51	0 43	3 57	11 3	23 37	23 34	7 0			n.a.
F 16	23 20	21 15	1 47	19 33	0 33	24 5	1 45	10 12	0 47	6 53	1 28	2 35	2 35	20 59	0 41	22 51	0 43	3 57	11 4	23 37	23 34	7 2			n.a.
S 17	23 24	23 16	0 29	19 59	0 25	23 54	1 45	10 27	0 46	6 52	1 28	2 35	2 35	20 59	0 41	22 51	0 43	3 57	11 4	23 37	23 34	7 5			n.a.
S 18	23 29	23 44	0 s49	20 24	0 17	23 42	1 45	10 42	0 46	6 51	1 28	2 35	2 35	21 0	0 41	22 51	0 43	3 58	11 4	23 37	23 34	7 8			n.a.
M19	23 32	22 42	2 2	20 48	0 9	23 29	1 44	10 57	0 45	6 50	1 29	2 36	2 35	21 0	0 41	22 51	0 43	3 58	11 4	23 37	23 35	7 10			n.a.
T 20	23 36	20 24	3 7	21 12	0 2	23 16	1 44	11 12	0 45	6 49	1 29	2 36	2 34	21 0	0 41	22 51	0 43	3 59	11 4	23 37	23 35	7 13			n.a.
W21	23 38	17 6	3 59	21 36	0 s 6	23 2	1 44	11 26	0 44	6 48	1 29	2 36	2 34	21 1	0 41	22 52	0 43	3 59	11 4	23 37	23 35	7 16			n.a.
T 22	23 41	13 8	4 39	21 58	0 13	22 47	1 43	11 41	0 44	6 47	1 29	2 37	2 34	21 1	0 41	22 52	0 43	3 59	11 5	23 37	23 35	7 18			n.a.
F 23	23 42	8 42	5 5	22 19	0 20	22 32	1 43	11 56	0 43	6 46	1 30	2 37	2 33	21 2	0 41	22 52	0 43	4 0	11 5	23 37	23 35	7 21			n.a.
S 24	23 44	4 1	5 16	22 40	0 27	22 16	1 42	12 10	0 43	6 45	1 30	2 37	2 33	21 2	0 41	22 52	0 43	4 0	11 5	23 37	23 35	7 24			n.a.
S 25	23 45	0n45	5 14	23 0	0 34	22 0	1 42	12 25	0 42	6 44	1 30	2 38	2 33	21 3	0 41	22 52	0 43	4 0	11 5	23 37	23 35	7 26			n.a.
M26	23 45	5 28	4 58	23 19	0 41	21 43	1 41	12 39	0 42	6 44	1 31	2 38	2 32	21 3	0 41	22 52	0 43	4 1	11 5	23 37	23 36	7 29			n.a.
T 27	23 45	10 0	4 30	23 36	0 48	21 25	1 40	12 53	0 41	6 43	1 31	2 39	2 32	21 4	0 41	22 52	0 43	4 1	11 6	23 37	23 36	7 32			n.a.
W28	23 44	14 11	3 50	23 53	0 54	21 6	1 39	13 8	0 40	6 42	1 31	2 40	2 32	21 4	0 41	22 53	0 43	4 1	11 6	23 37	23 36	7 35			n.a.
T 29	23 43	17 50	2 59	24 8	1 0	20 47	1 38	13 22	0 40	6 42	1 31	2 40	2 31	21 5	0 41	22 53	0 43	4 2	11 6	23 37	23 36	7 37			n.a.
F 30	23 42	20 47	2 0	24 22	1 6	20 28	1 37	13 36	0 39	6 42	1 32	2 41	2 31	21 5	0 41	22 53	0 43	4 2	11 6	23 37	23 36	7 40			n.a.
S 31	23 s40	22n48	0 s54	24 s35	1 s11	20 s 8	1 s36	13 s50	0n39	6n41	1n32	2n42	2 s31	21n 6	0n41	22 s53	0n43	4 s 2	11n 6	23n37	23n36	7n43			n.a.

Julian Day Number = 1547898.5, Delta T = 04h32m57s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°38'02, Lahiri = -10°31'02 Julian Calendar 1 Dec. 476 BCE == Greg. Calendar 26 Nov. 476 BCE

The year -475 astronomical counting style corresponds to year 476 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

JANUARY 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 18 23	5♉44'51	8♋54	22♐ 0	8♒55	8♏55	16♍49	12♈32	29°R55	23♐32	8♏39	5°R57	6♋ 6	1♉24	n.a.	S 1
M 2	6 22 19	6°45'43	21°45	23°34	10° 8	9°36	16°50	12°34	29♋52	23°34	8°41	5♋57	6° 3	1°31	n.a.	M 2
T 3	6 26 16	7°46'33	4♌51	25° 9	11°21	10°17	16°51	12°35	29°50	23°36	8°42	5°57	6° 0	1°38	n.a.	T 3
W 4	6 30 12	8°47'22	18°10	26°45	12°34	10°58	16°51	12°37	29°48	23°38	8°43	5°57	5°57	1°44	n.a.	W 4
T 5	6 34 9	9°48'10	1♍41	28°22	13°47	11°39	16°52	12°39	29°45	23°41	8°45	5°56	5°54	1°51	n.a.	T 5
F 6	6 38 6	10°48'57	15°24	29°59	15° 0	12°20	16°52	12°41	29°43	23°43	8°46	5°56	5°50	1°58	n.a.	F 6
S 7	6 42 2	11°49'42	29°19	1♉37	16°13	13° 1	16°R52	12°43	29°40	23°45	8°48	5°56	5°47	2° 4	n.a.	S 7
S 8	6 45 59	12°50'26	13♎23	3°16	17°26	13°41	16°52	12°45	29°38	23°47	8°49	5°D55	5°44	2°11	n.a.	S 8
M 9	6 49 55	13°51'09	27°35	4°56	18°39	14°22	16°52	12°47	29°35	23°49	8°50	5°56	5°41	2°18	n.a.	M 9
T 10	6 53 52	14°51'51	11♏53	6°37	19°52	15° 3	16°51	12°50	29°33	23°52	8°51	5°56	5°38	2°25	n.a.	T 10
W11	6 57 48	15°52'32	26°14	8°18	21° 5	15°44	16°50	12°52	29°30	23°54	8°53	5°57	5°34	2°31	n.a.	W11
T 12	7 1 45	16°53'11	10♐35	10° 1	22°17	16°25	16°50	12°55	29°28	23°56	8°54	5°58	5°31	2°38	n.a.	T 12
F 13	7 5 42	17°53'49	24°50	11°44	23°30	17° 6	16°48	12°57	29°25	23°58	8°55	5°59	5°28	2°45	n.a.	F 13
S 14	7 9 38	18°54'25	8♑57	13°28	24°43	17°47	16°47	13° 0	29°23	24° 0	8°56	5°R59	5°25	2°51	n.a.	S 14
S 15	7 13 35	19°55'00	22°51	15°13	25°55	18°28	16°46	13° 3	29°20	24° 2	8°57	5°58	5°22	2°58	n.a.	S 15
M16	7 17 31	20°55'33	6♒28	16°59	27° 7	19° 9	16°44	13° 6	29°18	24° 4	8°58	5°57	5°19	3° 5	n.a.	M16
T 17	7 21 28	21°56'05	19°46	18°45	28°20	19°50	16°42	13° 9	29°15	24° 6	8°59	5°55	5°15	3°12	n.a.	T 17
W18	7 25 24	22°56'34	2♓44	20°33	29°32	20°31	16°40	13°12	29°12	24° 8	9° 0	5°52	5°12	3°18	n.a.	W18
T 19	7 29 21	23°57'01	15°23	22°21	0♈44	21°12	16°38	13°15	29°10	24°11	9° 1	5°50	5° 9	3°25	n.a.	T 19
F 20	7 33 17	24°57'26	27°44	24°11	1°56	21°53	16°36	13°19	29° 7	24°13	9° 2	5°47	5° 6	3°32	n.a.	F 20
S 21	7 37 14	25°57'50	9♈52	26° 1	3° 8	22°34	16°33	13°22	29° 5	24°15	9° 3	5°45	5° 3	3°38	n.a.	S 21
S 22	7 41 11	26°58'11	21°50	27°52	4°20	23°16	16°30	13°26	29° 2	24°17	9° 4	5°D44	5° 0	3°45	n.a.	S 22
M23	7 45 7	27°58'30	3♉42	29°44	5°32	23°57	16°27	13°30	28°59	24°19	9° 5	5°45	4°56	3°52	n.a.	M23
T 24	7 49 4	28°58'47	15°34	1♒37	6°43	24°38	16°24	13°33	28°57	24°20	9° 5	5°45	4°53	3°58	n.a.	T 24
W25	7 53 0	29°59'02	27°30	3°30	7°55	25°19	16°21	13°37	28°54	24°22	9° 6	5°47	4°50	4° 5	n.a.	W25
T 26	7 56 57	0♒59'14	9♊35	5°24	9° 6	26° 0	16°17	13°41	28°51	24°24	9° 7	5°49	4°47	4°12	n.a.	T 26
F 27	8 0 53	1°59'25	21°52	7°19	10°18	26°41	16°14	13°45	28°49	24°26	9° 8	5°50	4°44	4°19	n.a.	F 27
S 28	8 4 50	2°59'34	4♋27	9°14	11°29	27°22	16°10	13°49	28°46	24°28	9° 8	5°R51	4°40	4°25	n.a.	S 28
S 29	8 8 46	3°59'40	17°19	11° 9	12°40	28° 3	16° 6	13°54	28°44	24°30	9° 9	5°50	4°37	4°32	n.a.	S 29
M30	8 12 43	4°59'44	0♌31	13° 4	13°51	28°44	16° 2	13°58	28°41	24°32	9° 9	5°49	4°34	4°39	n.a.	M30
T 31	8 16 40	5♒59'47	14♌ 1	15♒ 0	15♓ 2	29♏25	15♍58	14♈ 2	28♋38	24♐34	9♏10	5♋45	4♋31	4♉45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s38	23n43	0n16	24s47	1s17	19s47	1s34	14s 4	0n38	6n41	1n32	2n43	2s30	21n 6	0n41	22s53	0n43	4s 3	11n 7	23n37	23n37	7n45		n.a.
M 2	23 35	23 24	1 27	24 57	1 22	19 26	1 33	14 17	0 37	6 41	1 33	2 44	2 30	21 7	0 41	22 53	0 43	4 3	11 7	23 37	23 37	7 48		n.a.
T 3	23 31	21 47	2 34	25 6	1 27	19 4	1 32	14 31	0 37	6 41	1 33	2 45	2 30	21 7	0 41	22 53	0 43	4 3	11 7	23 37	23 37	7 51		n.a.
W 4	23 27	18 58	3 33	25 14	1 31	18 42	1 30	14 44	0 36	6 41	1 33	2 45	2 29	21 8	0 41	22 53	0 43	4 3	11 7	23 37	23 37	7 53		n.a.
T 5	23 23	15 5	4 22	25 20	1 36	18 19	1 29	14 58	0 35	6 41	1 34	2 46	2 29	21 8	0 41	22 53	0 43	4 3	11 8	23 37	23 37	7 56		n.a.
F 6	23 18	10 23	4 57	25 25	1 40	17 56	1 27	15 11	0 35	6 41	1 34	2 48	2 29	21 9	0 41	22 54	0 43	4 4	11 8	23 37	23 37	7 59		n.a.
S 7	23 13	5 5	5 15	25 28	1 44	17 32	1 25	15 24	0 34	6 42	1 34	2 49	2 29	21 9	0 41	22 54	0 43	4 4	11 8	23 37	23 37	8 1		n.a.
S 8	23 7	0s32	5 14	25 30	1 47	17 8	1 23	15 37	0 33	6 42	1 34	2 50	2 28	21 10	0 41	22 54	0 43	4 4	11 8	23 37	23 38	8 4		n.a.
M 9	23 1	6 10	4 55	25 29	1 50	16 43	1 21	15 50	0 33	6 42	1 35	2 51	2 28	21 11	0 41	22 54	0 43	4 4	11 8	23 37	23 38	8 7		n.a.
T 10	22 55	11 32	4 17	25 28	1 53	16 18	1 19	16 3	0 32	6 43	1 35	2 52	2 28	21 11	0 41	22 54	0 43	4 4	11 9	23 37	23 38	8 9		n.a.
W11	22 48	16 17	3 23	25 24	1 55	15 53	1 17	16 16	0 31	6 43	1 35	2 53	2 27	21 12	0 41	22 54	0 43	4 4	11 9	23 37	23 38	8 12		n.a.
T 12	22 40	20 5	2 16	25 19	1 57	15 27	1 15	16 29	0 31	6 44	1 36	2 55	2 27	21 12	0 41	22 54	0 43	4 5	11 9	23 37	23 38	8 15		n.a.
F 13	22 32	22 38	1 1	25 12	1 59	15 1	1 13	16 41	0 30	6 45	1 36	2 56	2 27	21 13	0 41	22 54	0 43	4 5	11 10	23 37	23 38	8 17		n.a.
S 14	22 24	23 43	0s16	25 3	2 0	14 34	1 11	16 54	0 29	6 45	1 36	2 57	2 26	21 13	0 41	22 54	0 43	4 5	11 10	23 37	23 38	8 20		n.a.
S 15	22 15	23 18	1 32	24 53	2 1	14 7	1 8	17 6	0 28	6 46	1 37	2 59	2 26	21 14	0 41	22 54	0 43	4 5	11 10	23 37	23 39	8 23		n.a.
M16	22 6	21 29	2 41	24 40	2 1	13 40	1 6	17 18	0 28	6 47	1 37	3 0	2 26	21 14	0 41	22 55	0 43	4 5	11 10	23 37	23 39	8 25		n.a.
T 17	21 56	18 32	3 39	24 25	2 1	13 12	1 3	17 30	0 27	6 48	1 37	3 2	2 26	21 15	0 41	22 55	0 43	4 5	11 11	23 37	23 39	8 28		n.a.
W18	21 46	14 44	4 24	24 9	2 1	12 44	1 1	17 42	0 26	6 49	1 37	3 3	2 25	21 16	0 41	22 55	0 43	4 5	11 11	23 37	23 39	8 31		n.a.
T 19	21 36	10 22	4 55	23 51	2 0	12 16	0 58	17 53	0 25	6 50	1 38	3 5	2 25	21 16	0 41	22 55	0 43	4 5	11 11	23 37	23 39	8 33		n.a.
F 20	21 25	5 40	5 12	23 30	1 59	11 47	0 55	18 5	0 24	6 52	1 38	3 6	2 25	21 17	0 41	22 55	0 43	4 5	11 11	23 37	23 39	8 36		n.a.
S 21	21 14	0 51	5 14	23 8	1 57	11 18	0 53	18 16	0 24	6 53	1 38	3 8	2 24	21 17	0 41	22 55	0 43	4 5	11 12	23 38	23 39	8 39		n.a.
S 22	21 2	3n56	5 3	22 43	1 54	10 49	0 50	18 28	0 23	6 54	1 39	3 10	2 24	21 18	0 42	22 55	0 43	4 5	11 12	23 38	23 39	8 41		n.a.
M23	20 50	8 33	4 39	22 17	1 51	10 20	0 47	18 39	0 22	6 56	1 39	3 11	2 24	21 18	0 42	22 55	0 43	4 5	11 12	23 38	23 40	8 44		n.a.
T 24	20 38	12 51	4 2	21 48	1 47	9 50	0 44	18 50	0 21	6 57	1 39	3 13	2 23	21 19	0 42	22 55	0 43	4 5	11 13	23 38	23 40	8 47		n.a.
W25	20 25	16 41	3 16	21 18	1 43	9 20	0 41	19 1	0 20	6 59	1 39	3 15	2 23	21 19	0 42	22 55	0 43	4 5	11 13	23 37	23 40	8 49		n.a.
T 26	20 12	19 53	2 19	20 45	1 38	8 50	0 38	19 11	0 20	7 0	1 40	3 17	2 23	21 20	0 42	22 55	0 43	4 5	11 13	23 37	23 40	8 52		n.a.
F 27	19 59	22 14	1 16	20 11	1 33	8 20	0 34	19 22	0 19	7 2	1 40	3 19	2 23	21 21	0 42	22 56	0 43	4 5	11 13	23 37	23 40	8 55		n.a.
S 28	19 45	23 33	0 8	19 34	1 27	7 50	0 31	19 32	0 18	7 4	1 40	3 20	2 22	21 21	0 42	22 56	0 43	4 5	11 14	23 37	23 40	8 57		n.a.
S 29	19 31	23 39	1n 3	18 56	1 20	7 19	0 28	19 43	0 17	7 5	1 40	3 22	2 22	21 22	0 42	22 56	0 43	4 5	11 14	23 37	23 40	9 0		n.a.
M30	19 16	22 26	2 11	18 16	1 13	6 48	0 24	19 53	0 16	7 7	1 41	3 24	2 22	21 22	0 42	22 56	0 43	4 5	11 14	23 37	23 40	9 3		n.a.
T 31	19s 1	19n55	3n14	17s35	1s 5	6s17	0s21	20s 3	0n15	7n 9	1n41	3n26	2s22	21n23	0n42	22s56	0n43	4s 5	11n15	23n38	23n40	9n 5		n.a.

Julian Day Number = 1547929.5, Delta T = 04h32m56s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'58, Lahiri = -10°30'57 Julian Calendar 1 Jan. 475 BCE == Greg. Calendar 27 Dec. 476 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

FEBRUARY 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 20 36	6♒59'47	27♌48	16♒54	16♓13	0♐ 6	15°R53	14♈ 7	28°R36	24♐36	9♏11	5°R41	4♋28	4♉52	n.a.	W 1
T 2	8 24 33	7°59'45	11♍47	18°48	17°24	0°48	15♍48	14°12	28♋33	24°37	9°11	5♋36	4°25	4°59	n.a.	T 2
F 3	8 28 29	8°59'42	25°56	20°41	18°34	1°29	15°44	14°16	28°31	24°39	9°12	5°31	4°21	5° 6	n.a.	F 3
S 4	8 32 26	9°59'36	10♎ 9	22°33	19°45	2°10	15°39	14°21	28°28	24°41	9°12	5°26	4°18	5°12	n.a.	S 4
S 5	8 36 22	10°59'29	24°24	24°23	20°55	2°51	15°34	14°26	28°26	24°43	9°12	5°24	4°15	5°19	n.a.	S 5
M 6	8 40 19	11°59'20	8♏37	26°11	22° 5	3°32	15°28	14°31	28°23	24°44	9°13	5°D22	4°12	5°26	n.a.	M 6
T 7	8 44 15	12°59'10	22°45	27°56	23°15	4°13	15°23	14°36	28°21	24°46	9°13	5°23	4° 9	5°32	n.a.	T 7
W 8	8 48 12	13°58'58	6♐48	29°38	24°25	4°55	15°17	14°41	28°18	24°48	9°13	5°24	4° 6	5°39	n.a.	W 8
T 9	8 52 8	14°58'43	20°44	1♓16	25°35	5°36	15°12	14°46	28°16	24°49	9°14	5°25	4° 2	5°46	n.a.	T 9
F 10	8 56 5	15°58'28	4♑31	2°50	26°45	6°17	15° 6	14°51	28°13	24°51	9°14	5°R26	3°59	5°52	n.a.	F 10
S 11	9 0 2	16°58'10	18°10	4°19	27°54	6°58	15° 0	14°57	28°11	24°52	9°14	5°25	3°56	5°59	n.a.	S 11
S 12	9 3 58	17°57'50	1♒38	5°44	29° 4	7°39	14°54	15° 2	28° 8	24°54	9°14	5°23	3°53	6° 6	n.a.	S 12
M13	9 7 55	18°57'28	14°55	7° 3	0♈13	8°20	14°48	15° 8	28° 6	24°55	9°14	5°18	3°50	6°13	n.a.	M13
T 14	9 11 51	19°57'04	27°57	8°15	1°22	9° 2	14°41	15°13	28° 3	24°57	9°14	5°11	3°46	6°19	n.a.	T 14
W15	9 15 48	20°56'38	10♓45	9°22	2°31	9°43	14°35	15°19	28° 1	24°58	9°14	5° 3	3°43	6°26	n.a.	W15
T 16	9 19 44	21°56'09	23°18	10°21	3°40	10°24	14°28	15°25	27°59	25° 0	9°R14	4°54	3°40	6°33	n.a.	T 16
F 17	9 23 41	22°55'38	5♈36	11°13	4°49	11° 5	14°22	15°30	27°56	25° 1	9°14	4°46	3°37	6°39	n.a.	F 17
S 18	9 27 37	23°55'05	17°43	11°59	5°57	11°46	14°15	15°36	27°54	25° 3	9°14	4°38	3°34	6°46	n.a.	S 18
S 19	9 31 34	24°54'29	29°40	12°36	7° 6	12°27	14° 8	15°42	27°52	25° 4	9°14	4°33	3°31	6°53	n.a.	S 19
M20	9 35 31	25°53'51	11♉32	13° 6	8°14	13° 8	14° 1	15°48	27°50	25° 5	9°14	4°30	3°27	6°59	n.a.	M20
T 21	9 39 27	26°53'11	23°23	13°28	9°22	13°50	13°54	15°54	27°47	25° 7	9°14	4°D28	3°24	7° 6	n.a.	T 21
W22	9 43 24	27°52'28	5♊17	13°42	10°30	14°31	13°47	16° 0	27°45	25° 8	9°14	4°29	3°21	7°13	n.a.	W22
T 23	9 47 20	28°51'43	17°21	13°R49	11°37	15°12	13°40	16° 6	27°43	25° 9	9°13	4°30	3°18	7°20	n.a.	T 23
F 24	9 51 17	29°50'55	29°40	13°48	12°45	15°53	13°33	16°13	27°41	25°11	9°13	4°R30	3°15	7°26	n.a.	F 24
S 25	9 55 13	0♓50'05	12♋17	13°39	13°52	16°34	13°26	16°19	27°39	25°12	9°13	4°30	3°11	7°33	n.a.	S 25
S 26	9 59 10	1°49'13	25°17	13°24	14°59	17°15	13°18	16°25	27°37	25°13	9°13	4°28	3° 8	7°40	n.a.	S 26
M27	10 3 6	2°48'18	8♌42	13° 2	16° 6	17°56	13°11	16°32	27°35	25°14	9°12	4°24	3° 5	7°46	n.a.	M27
T 28	10 7 3	3♓47'21	22♌31	12♓34	17♈13	18♐37	13♍ 3	16♈38	27♋33	25♐15	9♏12	4♋17	3♋ 2	7♉53	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s46	16n14	4n 6	16s52	0s56	5s46	0s17	20s12	0n14	7n11	1n41	3n28	2s21	21n23	0n42	22s56	0n43	4s 4	11n15	23n38	23n41	9n 8		n.a.
T 2	18 30	11 37	4 45	16 7	0 46	5 15	0 14	20 22	0 13	7 13	1 41	3 30	2 21	21 24	0 42	22 56	0 43	4 4	11 15	23 38	23 41	9 11		n.a.
F 3	18 15	6 19	5 7	15 22	0 36	4 44	0 10	20 32	0 12	7 15	1 42	3 32	2 21	21 24	0 42	22 56	0 43	4 4	11 15	23 38	23 41	9 13		n.a.
S 4	17 58	0 41	5 10	14 35	0 26	4 13	0 7	20 41	0 11	7 17	1 42	3 34	2 21	21 25	0 42	22 56	0 43	4 4	11 16	23 38	23 41	9 16		n.a.
S 5	17 42	5s 1	4 55	13 48	0 15	3 41	0 3	20 50	0 10	7 20	1 42	3 37	2 20	21 25	0 42	22 56	0 43	4 4	11 16	23 38	23 41	9 19		n.a.
M 6	17 25	10 27	4 21	13 0	0 3	3 10	0n 1	20 59	0 9	7 22	1 42	3 39	2 20	21 26	0 42	22 56	0 43	4 4	11 16	23 39	23 41	9 21		n.a.
T 7	17 8	15 18	3 31	12 12	0n10	2 38	0 5	21 8	0 8	7 24	1 42	3 41	2 20	21 26	0 42	22 56	0 43	4 3	11 17	23 38	23 41	9 24		n.a.
W 8	16 51	19 16	2 29	11 24	0 22	2 7	0 9	21 16	0 7	7 27	1 43	3 43	2 19	21 27	0 42	22 56	0 43	4 3	11 17	23 38	23 41	9 27		n.a.
T 9	16 33	22 6	1 19	10 37	0 35	1 35	0 13	21 25	0 6	7 29	1 43	3 45	2 19	21 27	0 42	22 56	0 43	4 3	11 17	23 38	23 41	9 29		n.a.
F 10	16 15	23 35	0 5	9 50	0 49	1 3	0 16	21 33	0 5	7 32	1 43	3 48	2 19	21 28	0 42	22 56	0 43	4 3	11 17	23 38	23 41	9 32		n.a.
S 11	15 57	23 38	1s 9	9 5	1 2	0 32	0 20	21 41	0 4	7 34	1 43	3 50	2 19	21 28	0 42	22 57	0 43	4 3	11 18	23 38	23 42	9 34		n.a.
S 12	15 39	22 17	2 17	8 21	1 16	0 0	0 24	21 49	0 3	7 37	1 43	3 52	2 19	21 29	0 42	22 57	0 43	4 2	11 18	23 38	23 42	9 37		n.a.
M13	15 20	19 43	3 17	7 39	1 30	0n31	0 28	21 57	0 2	7 39	1 44	3 55	2 18	21 29	0 42	22 57	0 43	4 2	11 18	23 39	23 42	9 40		n.a.
T 14	15 1	16 10	4 5	6 59	1 43	1 3	0 33	22 4	0 1	7 42	1 44	3 57	2 18	21 30	0 42	22 57	0 43	4 2	11 19	23 39	23 42	9 42		n.a.
W15	14 42	11 57	4 40	6 22	1 57	1 35	0 37	22 12	0 0	7 44	1 44	3 59	2 18	21 30	0 41	22 57	0 43	4 2	11 19	23 39	23 42	9 45		n.a.
T 16	14 23	7 17	5 1	5 47	2 10	2 6	0 41	22 19	0s 1	7 47	1 44	4 2	2 18	21 31	0 41	22 57	0 43	4 1	11 19	23 40	23 42	9 48		n.a.
F 17	14 3	2 26	5 7	5 15	2 22	2 37	0 45	22 26	0 2	7 50	1 44	4 4	2 17	21 31	0 41	22 57	0 43	4 1	11 19	23 40	23 42	9 50		n.a.
S 18	13 43	2n26	4 59	4 47	2 35	3 9	0 49	22 33	0 3	7 53	1 44	4 7	2 17	21 32	0 41	22 57	0 43	4 1	11 20	23 40	23 42	9 53		n.a.
S 19	13 23	7 10	4 39	4 22	2 46	3 40	0 53	22 39	0 4	7 56	1 45	4 9	2 17	21 32	0 41	22 57	0 43	4 1	11 20	23 40	23 42	9 56		n.a.
M20	13 3	11 36	4 6	4 1	2 56	4 11	0 58	22 46	0 5	7 58	1 45	4 12	2 17	21 33	0 41	22 57	0 43	4 0	11 20	23 41	23 42	9 58		n.a.
T 21	12 43	15 36	3 23	3 44	3 6	4 42	1 2	22 52	0 7	8 1	1 45	4 14	2 17	21 33	0 41	22 57	0 43	4 0	11 21	23 41	23 42	10 1		n.a.
W22	12 22	19 0	2 30	3 30	3 15	5 13	1 6	22 58	0 8	8 4	1 45	4 17	2 16	21 34	0 41	22 57	0 43	4 0	11 21	23 41	23 43	10 4		n.a.
T 23	12 1	21 38	1 31	3 21	3 22	5 44	1 10	23 4	0 9	8 7	1 45	4 20	2 16	21 34	0 41	22 57	0 43	3 59	11 21	23 41	23 43	10 6		n.a.
F 24	11 40	23 19	0 26	3 16	3 28	6 15	1 15	23 10	0 10	8 10	1 45	4 22	2 16	21 34	0 41	22 57	0 43	3 59	11 21	23 40	23 43	10 9		n.a.
S 25	11 19	23 52	0n42	3 15	3 32	6 45	1 19	23 15	0 11	8 13	1 45	4 25	2 16	21 35	0 41	22 57	0 43	3 59	11 22	23 40	23 43	10 12		n.a.
S 26	10 58	23 8	1 49	3 18	3 36	7 15	1 23	23 20	0 13	8 16	1 45	4 27	2 15	21 35	0 41	22 57	0 43	3 58	11 22	23 41	23 43	10 14		n.a.
M27	10 36	21 5	2 52	3 25	3 37	7 46	1 28	23 26	0 14	8 19	1 45	4 30	2 15	21 36	0 41	22 57	0 43	3 58	11 22	23 41	23 43	10 17		n.a.
T 28	10s15	17n46	3n47	3s36	3n37	8n15	1n32	23s30	0s15	8n22	1n46	4n33	2s15	21n36	0n41	22s57	0n43	3s57	11n23	23n41	23n43	10n19		n.a.

Julian Day Number = 1547960.5, Delta T = 04h32m55s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'54, Lahiri = -10°30'53 Julian Calendar 1 Feb. 475 BCE == Greg. Calendar 27 Jan. 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

MARCH 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 10 59	4♓46'22	6♍41	12°R 1	18♈19	19♐18	12°R56	16♈45	27°R31	25♐16	9°R11	4°R 8	2♋59	8♉ 0	n.a.	W 1
T 2	10 14 56	5°45'21	21° 9	11♓23	19°25	19°59	12♍48	16°51	27♋29	25°17	9♏11	3♋59	2°56	8° 6	n.a.	T 2
F 3	10 18 53	6°44'17	5♎46	10°42	20°31	20°40	12°41	16°58	27°27	25°18	9°10	3°49	2°52	8°13	n.a.	F 3
S 4	10 22 49	7°43'12	20°26	9°58	21°37	21°22	12°33	17° 5	27°25	25°19	9°10	3°41	2°49	8°20	n.a.	S 4
S 5	10 26 46	8°42'04	5♏ 1	9°11	22°42	22° 3	12°25	17°11	27°24	25°20	9° 9	3°34	2°46	8°27	n.a.	S 5
M 6	10 30 42	9°40'55	19°27	8°24	23°48	22°44	12°18	17°18	27°22	25°21	9° 9	3°30	2°43	8°33	n.a.	M 6
T 7	10 34 39	10°39'44	3♐40	7°37	24°53	23°25	12°10	17°25	27°20	25°22	9° 8	3°29	2°40	8°40	n.a.	T 7
W 8	10 38 35	11°38'31	17°37	6°50	25°58	24° 6	12° 2	17°32	27°19	25°23	9° 8	3°D29	2°37	8°47	n.a.	W 8
T 9	10 42 32	12°37'17	1♑20	6° 5	27° 2	24°47	11°54	17°39	27°17	25°24	9° 7	3°R29	2°33	8°53	n.a.	T 9
F 10	10 46 28	13°36'01	14°50	5°22	28° 6	25°28	11°47	17°46	27°15	25°25	9° 6	3°29	2°30	9° 0	n.a.	F 10
S 11	10 50 25	14°34'42	28° 7	4°43	29°10	26° 8	11°39	17°53	27°14	25°25	9° 5	3°26	2°27	9° 7	n.a.	S 11
S 12	10 54 22	15°33'22	11♒12	4° 7	0♉14	26°49	11°31	18° 0	27°12	25°26	9° 5	3°21	2°24	9°13	n.a.	S 12
M13	10 58 18	16°32'00	24° 6	3°35	1°17	27°30	11°24	18° 7	27°11	25°27	9° 4	3°13	2°21	9°20	n.a.	M13
T 14	11 2 15	17°30'36	6♓49	3° 8	2°21	28°11	11°16	18°14	27°10	25°28	9° 3	3° 3	2°17	9°27	n.a.	T 14
W15	11 6 11	18°29'10	19°21	2°45	3°24	28°52	11° 8	18°21	27° 8	25°28	9° 2	2°50	2°14	9°34	n.a.	W15
T 16	11 10 8	19°27'42	1♈42	2°28	4°26	29°33	11° 1	18°29	27° 7	25°29	9° 1	2°37	2°11	9°40	n.a.	T 16
F 17	11 14 4	20°26'12	13°53	2°15	5°28	0♊14	10°53	18°36	27° 6	25°29	9° 0	2°24	2° 8	9°47	n.a.	F 17
S 18	11 18 1	21°24'40	25°54	2° 8	6°30	0°54	10°46	18°43	27° 4	25°30	9° 0	2°12	2° 5	9°54	n.a.	S 18
S 19	11 21 57	22°23'06	7♉48	2°D 6	7°32	1°35	10°38	18°51	27° 3	25°30	8°59	2° 3	2° 2	10° 0	n.a.	S 19
M20	11 25 54	23°21'29	19°38	2° 8	8°33	2°16	10°31	18°58	27° 2	25°31	8°58	1°56	1°58	10° 7	n.a.	M20
T 21	11 29 50	24°19'51	1♊27	2°16	9°34	2°56	10°24	19° 5	27° 1	25°31	8°57	1°52	1°55	10°14	n.a.	T 21
W22	11 33 47	25°18'10	13°20	2°29	10°34	3°37	10°16	19°13	27° 0	25°32	8°56	1°50	1°52	10°20	n.a.	W22
T 23	11 37 44	26°16'27	25°22	2°47	11°34	4°18	10° 9	19°20	26°59	25°32	8°54	1°50	1°49	10°27	n.a.	T 23
F 24	11 41 40	27°14'42	7♋38	3° 9	12°34	4°58	10° 2	19°28	26°58	25°33	8°53	1°50	1°46	10°34	n.a.	F 24
S 25	11 45 37	28°12'55	20°14	3°35	13°34	5°39	9°55	19°35	26°57	25°33	8°52	1°49	1°43	10°40	n.a.	S 25
S 26	11 49 33	29°11'06	3♌14	4° 6	14°32	6°19	9°48	19°43	26°57	25°33	8°51	1°46	1°39	10°47	n.a.	S 26
M27	11 53 30	0♈ 9'14	16°42	4°41	15°31	7° 0	9°41	19°50	26°56	25°33	8°50	1°41	1°36	10°54	n.a.	M27
T 28	11 57 26	1° 7'21	0♍38	5°19	16°29	7°40	9°34	19°58	26°55	25°34	8°49	1°34	1°33	11° 1	n.a.	T 28
W29	12 1 23	2° 5'25	15° 1	6° 2	17°26	8°20	9°28	20° 6	26°54	25°34	8°48	1°24	1°30	11° 7	n.a.	W29
T 30	12 5 19	3° 3'27	29°47	6°48	18°23	9° 1	9°21	20°13	26°54	25°34	8°46	1°13	1°27	11°14	n.a.	T 30
F 31	12 9 16	4♈ 1'28	14♎46	7♓37	19♉20	9♊41	9♍15	20♈21	26♋53	25♐34	8♏45	1♋ 1	1♋23	11♉21	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s53	13n20	4n30	3s50	3n35	8n45	1n36	23s35	0s16	8n25	1n46	4n36	2s15	21n36	0n41	22s57	0n43	3s57	11n23	23n41	23n43	10n22		n.a.
T 2	9 31	8 5	4 56	4 8	3 31	9 15	1 41	23 40	0 18	8 28	1 46	4 38	2 15	21 37	0 41	22 57	0 43	3 57	11 23	23 42	23 43	10 25		n.a.
F 3	9 9	2 19	5 3	4 29	3 26	9 44	1 45	23 44	0 19	8 31	1 46	4 41	2 15	21 37	0 41	22 57	0 43	3 56	11 23	23 42	23 43	10 27		n.a.
S 4	8 47	3s36	4 51	4 52	3 19	10 13	1 49	23 48	0 20	8 34	1 46	4 44	2 14	21 37	0 41	22 57	0 43	3 56	11 24	23 42	23 43	10 30		n.a.
S 5	8 25	9 18	4 19	5 17	3 10	10 42	1 53	23 52	0 21	8 37	1 46	4 46	2 14	21 38	0 41	22 57	0 43	3 56	11 24	23 42	23 43	10 33		n.a.
M 6	8 2	14 26	3 32	5 45	3 0	11 10	1 58	23 56	0 23	8 40	1 46	4 49	2 14	21 38	0 41	22 57	0 43	3 55	11 24	23 42	23 43	10 35		n.a.
T 7	7 40	18 41	2 32	6 13	2 49	11 39	2 2	23 59	0 24	8 43	1 46	4 52	2 14	21 38	0 41	22 57	0 43	3 55	11 24	23 42	23 44	10 38		n.a.
W 8	7 17	21 47	1 23	6 42	2 36	12 7	2 6	24 3	0 25	8 46	1 46	4 55	2 14	21 39	0 41	22 57	0 43	3 54	11 25	23 42	23 44	10 41		n.a.
T 9	6 55	23 33	0 11	7 11	2 23	12 34	2 10	24 6	0 27	8 49	1 46	4 58	2 13	21 39	0 41	22 57	0 43	3 54	11 25	23 42	23 44	10 43		n.a.
F 10	6 32	23 54	1s 0	7 41	2 8	13 2	2 15	24 9	0 28	8 52	1 46	5 1	2 13	21 39	0 41	22 57	0 43	3 53	11 25	23 42	23 44	10 46		n.a.
S 11	6 9	22 53	2 7	8 9	1 53	13 29	2 19	24 11	0 30	8 55	1 46	5 3	2 13	21 39	0 41	22 57	0 43	3 53	11 25	23 42	23 44	10 48		n.a.
S 12	5 46	20 37	3 6	8 37	1 38	13 56	2 23	24 14	0 31	8 58	1 46	5 6	2 13	21 40	0 41	22 58	0 43	3 52	11 25	23 43	23 44	10 51		n.a.
M13	5 23	17 20	3 54	9 3	1 22	14 22	2 27	24 16	0 32	9 1	1 46	5 9	2 13	21 40	0 41	22 58	0 43	3 52	11 26	23 43	23 44	10 54		n.a.
T 14	5 0	13 18	4 30	9 28	1 6	14 48	2 31	24 18	0 34	9 4	1 46	5 12	2 13	21 40	0 41	22 58	0 43	3 52	11 26	23 43	23 44	10 56		n.a.
W15	4 37	8 44	4 52	9 51	0 50	15 14	2 35	24 20	0 35	9 7	1 46	5 15	2 13	21 41	0 41	22 58	0 43	3 51	11 26	23 43	23 44	10 59		n.a.
T 16	4 13	3 54	5 0	10 12	0 34	15 39	2 39	24 22	0 37	9 9	1 46	5 18	2 12	21 41	0 41	22 58	0 43	3 51	11 26	23 44	23 44	11 2		n.a.
F 17	3 50	1n 2	4 55	10 32	0 18	16 4	2 43	24 23	0 38	9 12	1 46	5 21	2 12	21 41	0 41	22 58	0 43	3 50	11 27	23 44	23 44	11 4		n.a.
S 18	3 27	5 52	4 36	10 48	0 3	16 29	2 47	24 25	0 40	9 15	1 46	5 24	2 12	21 41	0 41	22 58	0 43	3 50	11 27	23 44	23 44	11 7		n.a.
S 19	3 4	10 26	4 5	11 3	0s12	16 53	2 51	24 26	0 41	9 18	1 46	5 27	2 12	21 41	0 41	22 58	0 43	3 49	11 27	23 44	23 44	11 9		n.a.
M20	2 40	14 37	3 23	11 15	0 26	17 17	2 54	24 27	0 43	9 21	1 46	5 30	2 12	21 42	0 41	22 58	0 43	3 49	11 27	23 44	23 44	11 12		n.a.
T 21	2 17	18 13	2 33	11 25	0 40	17 40	2 58	24 27	0 44	9 24	1 46	5 32	2 12	21 42	0 41	22 58	0 43	3 48	11 27	23 44	23 44	11 15		n.a.
W22	1 53	21 6	1 36	11 33	0 53	18 3	3 2	24 28	0 46	9 26	1 45	5 35	2 12	21 42	0 41	22 58	0 43	3 48	11 28	23 44	23 44	11 17		n.a.
T 23	1 30	23 6	0 34	11 38	1 5	18 26	3 5	24 28	0 47	9 29	1 45	5 38	2 12	21 42	0 41	22 58	0 43	3 47	11 28	23 44	23 44	11 20		n.a.
F 24	1 7	24 2	0n31	11 41	1 17	18 48	3 9	24 28	0 49	9 32	1 45	5 41	2 11	21 42	0 41	22 58	0 43	3 47	11 28	23 44	23 44	11 22		n.a.
S 25	0 43	23 47	1 36	11 41	1 28	19 10	3 12	24 28	0 50	9 34	1 45	5 44	2 11	21 42	0 41	22 58	0 43	3 46	11 28	23 44	23 44	11 25		n.a.
S 26	0 20	22 15	2 38	11 40	1 39	19 31	3 16	24 28	0 52	9 37	1 45	5 47	2 11	21 43	0 41	22 58	0 43	3 46	11 28	23 44	23 45	11 28		n.a.
M27	0n 4	19 25	3 33	11 36	1 48	19 52	3 19	24 28	0 54	9 39	1 45	5 50	2 11	21 43	0 41	22 58	0 43	3 45	11 28	23 45	23 45	11 30		n.a.
T 28	0 27	15 24	4 18	11 30	1 57	20 12	3 22	24 27	0 55	9 42	1 45	5 53	2 11	21 43	0 41	22 58	0 43	3 45	11 29	23 45	23 45	11 33		n.a.
W29	0 51	10 24	4 48	11 21	2 5	20 32	3 25	24 26	0 57	9 44	1 45	5 56	2 11	21 43	0 41	22 58	0 43	3 44	11 29	23 45	23 45	11 35		n.a.
T 30	1 14	4 40	5 0	11 11	2 13	20 51	3 28	24 25	0 59	9 47	1 45	5 59	2 11	21 43	0 41	22 58	0 43	3 44	11 29	23 45	23 45	11 38		n.a.
F 31	1n37	1s25	4n52	10s59	2s20	21n10	3n31	24s24	1s 0	9n49	1n44	6n 2	2s11	21n43	0n41	22s58	0n43	3s43	11n29	23n45	23n45	11n41		n.a.

Julian Day Number = 1547988.5, Delta T = 04h32m54s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'50, Lahiri = -10°30'49 Julian Calendar 1 March 475 BCE == Greg. Calendar 24 Feb. 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

APRIL 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 13 13	4♈59'27	29♎49	8♓30	20♉16	10♑21	9°R 8	20♈29	26°R53	25♐34	8°R44	0°R52	1♋20	11♉27	n.a.	S 1
S 2	12 17 9	5°57'24	14♏47	9°26	21°12	11° 1	9♍ 2	20°36	26♋52	25°34	8♏43	0♋44	1°17	11°34	n.a.	S 2
M 3	12 21 6	6°55'20	29°32	10°25	22° 7	11°41	8°56	20°44	26°52	25°R34	8°41	0°39	1°14	11°41	n.a.	M 3
T 4	12 25 2	7°53'15	13♐58	11°27	23° 1	12°22	8°50	20°52	26°52	25°34	8°40	0°37	1°11	11°47	n.a.	T 4
W 5	12 28 59	8°51'08	28° 3	12°32	23°55	13° 2	8°44	21° 0	26°51	25°34	8°39	0°D36	1° 8	11°54	n.a.	W 5
T 6	12 32 55	9°49'00	11♑46	13°40	24°48	13°42	8°38	21° 7	26°51	25°34	8°37	0°R36	1° 4	12° 1	n.a.	T 6
F 7	12 36 52	10°46'51	25° 9	14°50	25°41	14°22	8°33	21°15	26°51	25°34	8°36	0°35	1° 1	12° 7	n.a.	F 7
S 8	12 40 48	11°44'40	8♒14	16° 3	26°33	15° 1	8°27	21°23	26°51	25°34	8°35	0°33	0°58	12°14	n.a.	S 8
S 9	12 44 45	12°42'28	21° 4	17°18	27°24	15°41	8°22	21°31	26°51	25°34	8°33	0°28	0°55	12°21	n.a.	S 9
M10	12 48 42	13°40'15	3♓42	18°36	28°15	16°21	8°17	21°39	26°D51	25°34	8°32	0°21	0°52	12°28	n.a.	M10
T 11	12 52 38	14°38'00	16° 8	19°56	29° 5	17° 1	8°12	21°47	26°51	25°33	8°30	0°10	0°48	12°34	n.a.	T 11
W12	12 56 35	15°35'43	28°25	21°19	29°54	17°40	8° 7	21°54	26°51	25°33	8°29	29♊58	0°45	12°41	n.a.	W12
T 13	13 0 31	16°33'26	10♈34	22°44	0♊42	18°20	8° 2	22° 2	26°51	25°33	8°27	29°45	0°42	12°48	n.a.	T 13
F 14	13 4 28	17°31'07	22°35	24°11	1°30	18°59	7°57	22°10	26°51	25°32	8°26	29°32	0°39	12°54	n.a.	F 14
S 15	13 8 24	18°28'46	4♉30	25°41	2°17	19°39	7°53	22°18	26°51	25°32	8°25	29°21	0°36	13° 1	n.a.	S 15
S 16	13 12 21	19°26'24	16°21	27°13	3° 3	20°18	7°49	22°26	26°51	25°32	8°23	29°11	0°33	13° 8	n.a.	S 16
M17	13 16 17	20°24'01	28° 9	28°47	3°48	20°57	7°45	22°34	26°52	25°31	8°21	29° 5	0°29	13°14	n.a.	M17
T 18	13 20 14	21°21'36	9♊58	0♈23	4°33	21°36	7°41	22°42	26°52	25°31	8°20	29° 1	0°26	13°21	n.a.	T 18
W19	13 24 10	22°19'09	21°51	2° 1	5°16	22°15	7°37	22°50	26°53	25°30	8°18	28°59	0°23	13°28	n.a.	W19
T 20	13 28 7	23°16'42	3♋53	3°42	5°58	22°54	7°33	22°58	26°53	25°30	8°17	28°D59	0°20	13°34	n.a.	T 20
F 21	13 32 4	24°14'12	16° 8	5°25	6°39	23°33	7°30	23° 5	26°54	25°29	8°15	28°59	0°17	13°41	n.a.	F 21
S 22	13 36 0	25°11'41	28°41	7°10	7°20	24°12	7°26	23°13	26°54	25°29	8°14	28°R59	0°14	13°48	n.a.	S 22
S 23	13 39 57	26° 9'09	11♌38	8°57	7°59	24°50	7°23	23°21	26°55	25°28	8°12	28°58	0°10	13°54	n.a.	S 23
M24	13 43 53	27° 6'35	25° 2	10°47	8°37	25°29	7°20	23°29	26°56	25°27	8°11	28°55	0° 7	14° 1	n.a.	M24
T 25	13 47 50	28° 4'00	8♍55	12°38	9°13	26° 7	7°18	23°37	26°57	25°27	8° 9	28°50	0° 4	14° 8	n.a.	T 25
W26	13 51 46	29° 1'23	23°18	14°32	9°49	26°46	7°15	23°45	26°57	25°26	8° 7	28°43	0° 1	14°15	n.a.	W26
T 27	13 55 43	29°58'45	8♎ 6	16°28	10°23	27°24	7°13	23°53	26°58	25°25	8° 6	28°34	29♊58	14°21	n.a.	T 27
F 28	13 59 39	0♉56'06	23°12	18°26	10°56	28° 2	7°10	24° 1	26°59	25°25	8° 4	28°26	29°54	14°28	n.a.	F 28
S 29	14 3 36	1°53'25	8♏27	20°26	11°27	28°40	7° 8	24° 9	27° 0	25°24	8° 3	28°18	29°51	14°35	n.a.	S 29
S 30	14 7 33	2♉50'44	23♏40	22♈27	11♊57	29♑18	7♍ 6	24♈16	27♋ 1	25♐23	8♏ 1	28♊12	29♊48	14♉41	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 0	7s27	4n23	10s44	2s26	21n28	3n34	24s22	1s 2	9n51	1n44	6n 5	2s11	21n43	0n41	22s58	0n43	3s43	11n29	23n45	23n45	11n43		n.a.
S 2	2 24	13 2	3 37	10 28	2 31	21 46	3 36	24 21	1 4	9 53	1 44	6 8	2 10	21 43	0 41	22 58	0 43	3 42	11 29	23 45	23 45	11 46		n.a.
M 3	2 47	17 46	2 36	10 10	2 36	22 3	3 39	24 19	1 5	9 56	1 44	6 11	2 10	21 43	0 40	22 58	0 43	3 42	11 29	23 45	23 45	11 48		n.a.
T 4	3 10	21 20	1 27	9 49	2 40	22 20	3 42	24 17	1 7	9 58	1 44	6 14	2 10	21 43	0 40	22 57	0 43	3 41	11 29	23 45	23 45	11 51		n.a.
W 5	3 33	23 31	0 14	9 27	2 44	22 36	3 44	24 15	1 9	10 0	1 44	6 17	2 10	21 43	0 40	22 57	0 43	3 41	11 30	23 45	23 45	11 54		n.a.
T 6	3 56	24 12	0s59	9 3	2 46	22 52	3 46	24 13	1 11	10 2	1 43	6 20	2 10	21 43	0 40	22 57	0 43	3 40	11 30	23 45	23 45	11 56		n.a.
F 7	4 19	23 27	2 6	8 38	2 48	23 7	3 48	24 10	1 12	10 4	1 43	6 23	2 10	21 43	0 40	22 57	0 43	3 40	11 30	23 45	23 45	11 59		n.a.
S 8	4 42	21 25	3 5	8 10	2 50	23 22	3 50	24 7	1 14	10 6	1 43	6 26	2 10	21 43	0 40	22 57	0 43	3 39	11 30	23 45	23 45	12 1		n.a.
S 9	5 5	18 20	3 53	7 41	2 51	23 36	3 52	24 5	1 16	10 8	1 43	6 29	2 10	21 43	0 40	22 57	0 43	3 39	11 30	23 45	23 45	12 4		n.a.
M10	5 28	14 27	4 29	7 11	2 51	23 49	3 54	24 2	1 18	10 9	1 43	6 32	2 10	21 43	0 40	22 57	0 43	3 38	11 30	23 45	23 45	12 7		n.a.
T 11	5 50	10 1	4 52	6 38	2 50	24 2	3 55	23 58	1 20	10 11	1 43	6 35	2 10	21 43	0 40	22 57	0 43	3 37	11 30	23 45	23 45	12 9		n.a.
W12	6 13	5 13	5 1	6 4	2 49	24 15	3 57	23 55	1 22	10 13	1 42	6 38	2 10	21 43	0 40	22 57	0 43	3 37	11 30	23 45	23 45	12 12		n.a.
T 13	6 35	0 17	4 56	5 28	2 47	24 26	3 58	23 51	1 23	10 14	1 42	6 42	2 10	21 43	0 40	22 57	0 43	3 36	11 30	23 45	23 45	12 14		n.a.
F 14	6 58	4n37	4 37	4 51	2 45	24 38	3 59	23 48	1 25	10 16	1 42	6 45	2 10	21 43	0 40	22 57	0 43	3 36	11 30	23 45	23 45	12 17		n.a.
S 15	7 20	9 19	4 7	4 13	2 42	24 48	4 0	23 44	1 27	10 17	1 42	6 48	2 10	21 43	0 40	22 57	0 43	3 35	11 30	23 45	23 45	12 20		n.a.
S 16	7 42	13 39	3 26	3 32	2 38	24 58	4 1	23 40	1 29	10 19	1 41	6 51	2 9	21 43	0 40	22 57	0 43	3 35	11 30	23 45	23 45	12 22		n.a.
M17	8 4	17 28	2 36	2 51	2 34	25 8	4 1	23 36	1 31	10 20	1 41	6 54	2 9	21 43	0 40	22 57	0 43	3 34	11 30	23 45	23 45	12 25		n.a.
T 18	8 26	20 36	1 39	2 8	2 30	25 17	4 2	23 31	1 33	10 22	1 41	6 57	2 9	21 43	0 40	22 57	0 43	3 34	11 30	23 45	23 45	12 27		n.a.
W19	8 48	22 52	0 38	1 23	2 24	25 25	4 2	23 27	1 35	10 23	1 41	6 59	2 9	21 43	0 40	22 57	0 43	3 33	11 31	23 45	23 45	12 30		n.a.
T 20	9 10	24 8	0n26	0 38	2 19	25 33	4 2	23 22	1 37	10 24	1 41	7 2	2 9	21 42	0 40	22 57	0 43	3 33	11 31	23 45	23 45	12 32		n.a.
F 21	9 31	24 15	1 30	0n 9	2 12	25 40	4 1	23 18	1 39	10 25	1 40	7 5	2 9	21 42	0 40	22 57	0 43	3 32	11 31	23 45	23 45	12 35		n.a.
S 22	9 52	23 10	2 32	0 58	2 6	25 47	4 1	23 13	1 41	10 26	1 40	7 8	2 9	21 42	0 40	22 57	0 43	3 32	11 31	23 45	23 45	12 38		n.a.
S 23	10 14	20 50	3 27	1 47	1 58	25 53	4 0	23 8	1 43	10 27	1 40	7 11	2 9	21 42	0 40	22 57	0 43	3 31	11 31	23 45	23 45	12 40		n.a.
M24	10 35	17 19	4 14	2 38	1 50	25 58	3 59	23 2	1 45	10 28	1 40	7 14	2 9	21 42	0 40	22 57	0 43	3 31	11 31	23 45	23 45	12 43		n.a.
T 25	10 55	12 45	4 47	3 29	1 42	26 3	3 58	22 57	1 47	10 29	1 39	7 17	2 9	21 42	0 40	22 57	0 43	3 31	11 31	23 45	23 45	12 45		n.a.
W26	11 16	7 20	5 3	4 22	1 33	26 7	3 57	22 52	1 49	10 29	1 39	7 20	2 9	21 41	0 40	22 57	0 43	3 30	11 31	23 45	23 45	12 48		n.a.
T 27	11 37	1 21	5 1	5 16	1 24	26 10	3 55	22 46	1 51	10 30	1 39	7 23	2 9	21 41	0 40	22 57	0 43	3 30	11 30	23 45	23 45	12 50		n.a.
F 28	11 57	4s51	4 37	6 10	1 15	26 13	3 53	22 41	1 53	10 31	1 39	7 26	2 9	21 41	0 40	22 57	0 43	3 29	11 30	23 45	23 45	12 53		n.a.
S 29	12 17	10 49	3 54	7 5	1 5	26 16	3 51	22 35	1 55	10 31	1 38	7 29	2 9	21 41	0 40	22 57	0 43	3 29	11 30	23 45	23 45	12 56		n.a.
S 30	12n37	16s 8	2n54	8n 0	0s55	26n17	3n48	22s29	1s58	10n32	1n38	7n32	2s 9	21n41	0n40	22s57	0n43	3s28	11n30	23n44	23n45	12n58		n.a.

Julian Day Number = 1548019.5, Delta T = 04h32m53s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'46, Lahiri = -10°30'45 Julian Calendar 1 Apr. 475 BCE == Greg. Calendar 27 March 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

MAY 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 11 29	3♉48'02	8♐41	24♈31	12♊26	29♑56	7°R 5	24♈24	27♋ 2	25°R22	7°R59	28°R 8	29♊45	14♉48	n.a.	M 1
T 2	14 15 26	4°45'20	23°23	26°37	12°53	0♒33	7♍ 3	24°32	27° 3	25♐21	7♏58	28°D 7	29°42	14°55	n.a.	T 2
W 3	14 19 22	5°42'36	7♑40	28°43	13°18	1°11	7° 2	24°40	27° 5	25°20	7°56	28♊ 7	29°39	15° 1	n.a.	W 3
T 4	14 23 19	6°39'53	21°31	0♉52	13°42	1°48	7° 1	24°48	27° 6	25°20	7°55	28° 8	29°35	15° 8	n.a.	T 4
F 5	14 27 15	7°37'08	4♒58	3° 1	14° 4	2°26	7° 0	24°55	27° 7	25°19	7°53	28°R 9	29°32	15°15	n.a.	F 5
S 6	14 31 12	8°34'23	18° 2	5°12	14°24	3° 3	6°59	25° 3	27° 8	25°18	7°51	28° 8	29°29	15°21	n.a.	S 6
S 7	14 35 9	9°31'38	0♓47	7°23	14°42	3°40	6°58	25°11	27°10	25°17	7°50	28° 6	29°26	15°28	n.a.	S 7
M 8	14 39 5	10°28'51	13°16	9°34	14°59	4°17	6°58	25°19	27°11	25°16	7°48	28° 2	29°23	15°35	n.a.	M 8
T 9	14 43 2	11°26'05	25°32	11°46	15°13	4°53	6°57	25°26	27°13	25°15	7°46	27°56	29°20	15°41	n.a.	T 9
W10	14 46 58	12°23'18	7♈39	13°58	15°26	5°30	6°D57	25°34	27°14	25°14	7°45	27°48	29°16	15°48	n.a.	W10
T 11	14 50 55	13°20'30	19°38	16° 9	15°36	6° 6	6°57	25°42	27°16	25°13	7°43	27°40	29°13	15°55	n.a.	T 11
F 12	14 54 51	14°17'42	1♉32	18°20	15°45	6°42	6°58	25°49	27°17	25°11	7°42	27°32	29°10	16° 1	n.a.	F 12
S 13	14 58 48	15°14'53	13°22	20°29	15°51	7°18	6°58	25°57	27°19	25°10	7°40	27°25	29° 7	16° 8	n.a.	S 13
S 14	15 2 44	16°12'04	25°11	22°38	15°55	7°54	6°59	26° 5	27°21	25° 9	7°38	27°19	29° 4	16°15	n.a.	S 14
M15	15 6 41	17° 9'15	7♊ 0	24°45	15°R56	8°30	6°59	26°12	27°23	25° 8	7°37	27°15	29° 0	16°21	n.a.	M15
T 16	15 10 38	18° 6'25	18°52	26°51	15°56	9° 5	7° 0	26°20	27°24	25° 7	7°35	27°13	28°57	16°28	n.a.	T 16
W17	15 14 34	19° 3'34	0♋50	28°56	15°53	9°41	7° 2	26°27	27°26	25° 6	7°34	27°D13	28°54	16°35	n.a.	W17
T 18	15 18 31	20° 0'43	12°56	0♊58	15°47	10°16	7° 3	26°35	27°28	25° 4	7°32	27°14	28°51	16°42	n.a.	T 18
F 19	15 22 27	20°57'51	25°14	2°59	15°40	10°50	7° 4	26°42	27°30	25° 3	7°30	27°15	28°48	16°48	n.a.	F 19
S 20	15 26 24	21°54'58	7♌49	4°57	15°29	11°25	7° 6	26°50	27°32	25° 2	7°29	27°17	28°45	16°55	n.a.	S 20
S 21	15 30 20	22°52'05	20°44	6°54	15°17	12° 0	7° 8	26°57	27°34	25° 0	7°27	27°R18	28°41	17° 2	n.a.	S 21
M22	15 34 17	23°49'11	4♍ 4	8°48	15° 2	12°34	7°10	27° 4	27°36	24°59	7°26	27°17	28°38	17° 8	n.a.	M22
T 23	15 38 13	24°46'17	17°50	10°41	14°45	13° 8	7°12	27°12	27°39	24°58	7°24	27°15	28°35	17°15	n.a.	T 23
W24	15 42 10	25°43'22	2♎ 3	12°31	14°25	13°42	7°15	27°19	27°41	24°56	7°23	27°12	28°32	17°22	n.a.	W24
T 25	15 46 7	26°40'27	16°41	14°19	14° 3	14°15	7°17	27°26	27°43	24°55	7°21	27° 8	28°29	17°28	n.a.	T 25
F 26	15 50 3	27°37'31	1♏40	16° 5	13°39	14°48	7°20	27°33	27°45	24°54	7°20	27° 4	28°25	17°35	n.a.	F 26
S 27	15 54 0	28°34'35	16°50	17°48	13°13	15°21	7°23	27°41	27°47	24°52	7°18	27° 1	28°22	17°42	n.a.	S 27
S 28	15 57 56	29°31'39	2♐ 4	19°30	12°45	15°54	7°26	27°48	27°50	24°51	7°17	26°58	28°19	17°48	n.a.	S 28
M29	16 1 53	0♊28'44	17° 9	21° 9	12°15	16°27	7°29	27°55	27°52	24°49	7°15	26°57	28°16	17°55	n.a.	M29
T 30	16 5 49	1°25'48	1♑59	22°46	11°44	16°59	7°33	28° 2	27°55	24°48	7°14	26°D56	28°13	18° 2	n.a.	T 30
W31	16 9 46	2♊22'52	16♑26	24♊21	11♊11	17♒31	7♍36	28♈ 9	27♋57	24♐47	7♏12	26♊57	28♊10	18♉ 8	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	12n57	20s21	1n42	8n56	0s45	26n18	3n46	22s23	2s 0	10n32	1n38	7n35	2s 9	21n40	0n40	22s57	0n43	3s28	11n30	23n44	23n45	13n 1			n.a.
T 2	13 16	23 10	0 25	9 52	0 34	26 19	3 42	22 17	2 2	10 32	1 38	7 38	2 9	21 40	0 40	22 57	0 43	3 27	11 30	23 44	23 45	13 3			n.a.
W 3	13 36	24 23	0s51	10 48	0 24	26 19	3 39	22 10	2 4	10 33	1 37	7 41	2 9	21 40	0 40	22 57	0 43	3 27	11 30	23 44	23 45	13 6			n.a.
T 4	13 55	24 1	2 3	11 43	0 13	26 18	3 35	22 4	2 6	10 33	1 37	7 43	2 9	21 40	0 40	22 57	0 43	3 26	11 30	23 44	23 45	13 8			n.a.
F 5	14 14	22 16	3 5	12 39	0 2	26 17	3 31	21 58	2 8	10 33	1 37	7 46	2 9	21 39	0 40	22 57	0 43	3 26	11 30	23 44	23 45	13 11			n.a.
S 6	14 33	19 22	3 56	13 33	0n 8	26 15	3 27	21 51	2 11	10 33	1 36	7 49	2 9	21 39	0 39	22 57	0 43	3 26	11 30	23 44	23 45	13 13			n.a.
S 7	14 51	15 36	4 34	14 27	0 19	26 12	3 22	21 44	2 13	10 33	1 36	7 52	2 9	21 39	0 39	22 57	0 43	3 25	11 30	23 44	23 45	13 16			n.a.
M 8	15 9	11 14	4 58	15 20	0 29	26 9	3 17	21 38	2 15	10 33	1 36	7 55	2 9	21 38	0 39	22 57	0 44	3 25	11 30	23 44	23 45	13 18			n.a.
T 9	15 28	6 29	5 7	16 11	0 39	26 5	3 11	21 31	2 17	10 33	1 36	7 58	2 9	21 38	0 39	22 56	0 44	3 24	11 30	23 44	23 45	13 21			n.a.
W10	15 45	1 34	5 3	17 1	0 49	26 0	3 5	21 24	2 20	10 33	1 35	8 0	2 9	21 38	0 39	22 56	0 44	3 24	11 29	23 44	23 45	13 24			n.a.
T 11	16 3	3n22	4 46	17 49	0 58	25 55	2 59	21 17	2 22	10 32	1 35	8 3	2 9	21 37	0 39	22 56	0 44	3 24	11 29	23 44	23 45	13 26			n.a.
F 12	16 20	8 10	4 16	18 35	1 7	25 49	2 52	21 10	2 24	10 32	1 35	8 6	2 9	21 37	0 39	22 56	0 44	3 23	11 29	23 44	23 45	13 29			n.a.
S 13	16 37	12 38	3 35	19 19	1 15	25 43	2 44	21 3	2 27	10 32	1 35	8 9	2 9	21 37	0 39	22 56	0 44	3 23	11 29	23 44	23 45	13 31			n.a.
S 14	16 54	16 39	2 45	20 0	1 23	25 36	2 37	20 56	2 29	10 31	1 34	8 12	2 9	21 36	0 39	22 56	0 44	3 22	11 29	23 44	23 45	13 34			n.a.
M15	17 11	20 0	1 48	20 39	1 30	25 28	2 29	20 48	2 31	10 31	1 34	8 14	2 9	21 36	0 39	22 56	0 44	3 22	11 29	23 43	23 45	13 36			n.a.
T 16	17 27	22 32	0 45	21 16	1 36	25 19	2 20	20 41	2 34	10 30	1 34	8 17	2 9	21 35	0 39	22 56	0 44	3 22	11 29	23 43	23 45	13 39			n.a.
W17	17 43	24 5	0n20	21 50	1 42	25 10	2 11	20 34	2 36	10 29	1 33	8 20	2 10	21 35	0 39	22 56	0 44	3 21	11 28	23 43	23 45	13 41			n.a.
T 18	17 59	24 31	1 25	22 22	1 47	25 0	2 2	20 26	2 39	10 28	1 33	8 22	2 10	21 35	0 39	22 56	0 44	3 21	11 28	23 43	23 45	13 44			n.a.
F 19	18 14	23 46	2 27	22 51	1 51	24 49	1 52	20 19	2 41	10 28	1 33	8 25	2 10	21 34	0 39	22 56	0 44	3 21	11 28	23 43	23 45	13 46			n.a.
S 20	18 29	21 50	3 24	23 17	1 55	24 38	1 42	20 12	2 43	10 27	1 33	8 28	2 10	21 34	0 39	22 56	0 44	3 20	11 28	23 43	23 45	13 49			n.a.
S 21	18 44	18 44	4 11	23 41	1 58	24 26	1 31	20 4	2 46	10 26	1 32	8 30	2 10	21 33	0 39	22 56	0 44	3 20	11 28	23 43	23 45	13 51			n.a.
M22	18 58	14 36	4 48	24 2	2 0	24 13	1 20	19 57	2 48	10 25	1 32	8 33	2 10	21 33	0 39	22 56	0 44	3 20	11 28	23 43	23 45	13 54			n.a.
T 23	19 13	9 35	5 9	24 21	2 2	24 0	1 8	19 49	2 51	10 24	1 32	8 36	2 10	21 33	0 39	22 56	0 44	3 20	11 27	23 43	23 45	13 56			n.a.
W24	19 26	3 56	5 12	24 37	2 3	23 45	0 56	19 42	2 53	10 23	1 31	8 38	2 10	21 32	0 39	22 56	0 44	3 19	11 27	23 43	23 45	13 59			n.a.
T 25	19 40	2s 7	4 55	24 51	2 3	23 30	0 44	19 34	2 56	10 21	1 31	8 41	2 10	21 32	0 39	22 56	0 44	3 19	11 27	23 43	23 45	14 1			n.a.
F 26	19 53	8 11	4 18	25 2	2 2	23 15	0 31	19 27	2 58	10 20	1 31	8 43	2 10	21 31	0 39	22 56	0 44	3 19	11 27	23 43	23 45	14 4			n.a.
S 27	20 6	13 51	3 22	25 12	2 1	22 59	0 18	19 19	3 1	10 19	1 31	8 46	2 10	21 31	0 39	22 56	0 44	3 19	11 26	23 43	23 45	14 6			n.a.
S 28	20 19	18 41	2 12	25 19	1 59	22 42	0 5	19 11	3 3	10 17	1 30	8 48	2 10	21 30	0 39	22 56	0 44	3 18	11 26	23 43	23 45	14 9			n.a.
M29	20 31	22 14	0 54	25 24	1 57	22 25	0s 9	19 4	3 6	10 16	1 30	8 51	2 10	21 30	0 39	22 55	0 44	3 18	11 26	23 43	23 44	14 11			n.a.
T 30	20 43	24 12	0s28	25 27	1 54	22 7	0 23	18 56	3 9	10 14	1 30	8 53	2 10	21 29	0 39	22 55	0 44	3 18	11 26	23 43	23 44	14 14			n.a.
W31	20n55	24s28	1s45	25n28	1n50	21n48	0s37	18s49	3s11	10n13	1n30	8n56	2s10	21n29	0n39	22s55	0n44	3s18	11n25	23n43	23n44	14n16			n.a.

Julian Day Number = 1548049.5, Delta T = 04h32m51s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'42, Lahiri = -10°30'41 Julian Calendar 1 May 475 BCE == Greg. Calendar 26 Apr. 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

JUNE 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 13 42	3♊19'57	0♒28	25♊54	10°R36	18♒ 3	7♍40	28♈16	28♋ 0	24°R45	7°R11	26♊58	28♊ 6	18♉15	n.a.	T 1
F 2	16 17 39	4°17'02	14° 2	27°24	10♊ 1	18°34	7°44	28°23	28° 2	24♐44	7♏10	27° 0	28° 3	18°22	n.a.	F 2
S 3	16 21 36	5°14'07	27°11	28°52	9°25	19° 6	7°48	28°30	28° 5	24°42	7° 8	27° 1	28° 0	18°28	n.a.	S 3
S 4	16 25 32	6°11'13	9♓58	0♋18	8°48	19°36	7°52	28°37	28° 7	24°41	7° 7	27°R 1	27°57	18°35	n.a.	S 4
M 5	16 29 29	7° 8'19	22°25	1°42	8°11	20° 7	7°56	28°43	28°10	24°39	7° 6	27° 0	27°54	18°42	n.a.	M 5
T 6	16 33 25	8° 5'26	4♈38	3° 3	7°34	20°37	8° 1	28°50	28°13	24°38	7° 4	26°59	27°51	18°48	n.a.	T 6
W 7	16 37 22	9° 2'33	16°39	4°22	6°56	21° 7	8° 6	28°57	28°15	24°36	7° 3	26°56	27°47	18°55	n.a.	W 7
T 8	16 41 18	9°59'41	28°34	5°38	6°19	21°37	8°10	29° 4	28°18	24°34	7° 2	26°54	27°44	19° 2	n.a.	T 8
F 9	16 45 15	10°56'49	10♉24	6°52	5°43	22° 6	8°15	29°10	28°21	24°33	7° 0	26°51	27°41	19° 8	n.a.	F 9
S 10	16 49 11	11°53'58	22°13	8° 3	5° 7	22°35	8°21	29°17	28°24	24°31	6°59	26°49	27°38	19°15	n.a.	S 10
S 11	16 53 8	12°51'07	4♊ 3	9°12	4°32	23° 3	8°26	29°23	28°27	24°30	6°58	26°47	27°35	19°22	n.a.	S 11
M12	16 57 5	13°48'17	15°57	10°18	3°59	23°31	8°31	29°30	28°30	24°28	6°57	26°47	27°31	19°29	n.a.	M12
T 13	17 1 1	14°45'27	27°56	11°21	3°27	23°59	8°37	29°36	28°33	24°27	6°55	26°D46	27°28	19°35	n.a.	T 13
W14	17 4 58	15°42'38	10♋ 3	12°22	2°56	24°26	8°43	29°42	28°36	24°25	6°54	26°47	27°25	19°42	n.a.	W14
T 15	17 8 54	16°39'49	22°20	13°19	2°27	24°53	8°49	29°49	28°39	24°23	6°53	26°47	27°22	19°49	n.a.	T 15
F 16	17 12 51	17°37'01	4♌49	14°14	2° 0	25°20	8°55	29°55	28°42	24°22	6°52	26°48	27°19	19°55	n.a.	F 16
S 17	17 16 47	18°34'12	17°33	15° 5	1°35	25°46	9° 1	0♉ 1	28°45	24°20	6°51	26°49	27°16	20° 2	n.a.	S 17
S 18	17 20 44	19°31'25	0♍33	15°52	1°12	26°11	9° 7	0° 7	28°48	24°19	6°50	26°50	27°12	20° 9	n.a.	S 18
M19	17 24 41	20°28'37	13°53	16°37	0°51	26°36	9°14	0°13	28°51	24°17	6°49	26°50	27° 9	20°15	n.a.	M19
T 20	17 28 37	21°25'50	27°34	17°17	0°33	27° 1	9°20	0°19	28°54	24°15	6°48	26°R50	27° 6	20°22	n.a.	T 20
W21	17 32 34	22°23'04	11♎37	17°54	0°16	27°25	9°27	0°25	28°57	24°14	6°47	26°50	27° 3	20°29	n.a.	W21
T 22	17 36 30	23°20'18	26° 0	18°27	0° 2	27°49	9°34	0°31	29° 0	24°12	6°46	26°49	27° 0	20°35	n.a.	T 22
F 23	17 40 27	24°17'32	10♏40	18°55	29♉51	28°12	9°41	0°37	29° 4	24°10	6°45	26°49	26°57	20°42	n.a.	F 23
S 24	17 44 23	25°14'47	25°33	19°19	29°42	28°35	9°48	0°42	29° 7	24° 9	6°44	26°49	26°53	20°49	n.a.	S 24
S 25	17 48 20	26°12'03	10♐32	19°39	29°35	28°57	9°55	0°48	29°10	24° 7	6°43	26°49	26°50	20°55	n.a.	S 25
M26	17 52 16	27° 9'20	25°28	19°54	29°30	29°19	10° 3	0°53	29°13	24° 6	6°42	26°49	26°47	21° 2	n.a.	M26
T 27	17 56 13	28° 6'37	10♑13	20° 5	29°D28	29°40	10°10	0°59	29°17	24° 4	6°41	26°49	26°44	21° 9	n.a.	T 27
W28	18 0 10	29° 3'56	24°40	20°10	29°28	0♓ 1	10°18	1° 4	29°20	24° 2	6°40	26°49	26°41	21°15	n.a.	W28
T 29	18 4 6	0♋ 1'16	8♒46	20°R10	29°31	0°21	10°25	1°10	29°24	24° 1	6°40	26°48	26°37	21°22	n.a.	T 29
F 30	18 8 3	0♋58'37	22♒26	20♋ 6	29♉36	0♓41	10♍33	1♉15	29♋27	23♐59	6♏39	26♊48	26♊34	21♉29	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 6	23s 9	2s54	25n27	1n46	21n30	0s51	18s41	3s14	10n11	1n29	8n58	2s11	21n28	0n39	22s55	0n44	3s17	11n25	23n43	23n44	14n19		n.a.
F 2	21 17	20 31	3 51	25 24	1 41	21 11	1 5	18 34	3 16	10 9	1 29	9 0	2 11	21 27	0 39	22 55	0 44	3 17	11 25	23 43	23 44	14 21		n.a.
S 3	21 27	16 53	4 34	25 20	1 35	20 51	1 19	18 26	3 19	10 7	1 29	9 3	2 11	21 27	0 39	22 55	0 44	3 17	11 25	23 43	23 44	14 24		n.a.
S 4	21 37	12 34	5 2	25 15	1 29	20 32	1 33	18 19	3 22	10 6	1 28	9 5	2 11	21 26	0 39	22 55	0 44	3 17	11 24	23 43	23 44	14 26		n.a.
M 5	21 47	7 51	5 14	25 7	1 23	20 12	1 47	18 12	3 24	10 4	1 28	9 8	2 11	21 26	0 39	22 55	0 44	3 17	11 24	23 43	23 44	14 29		n.a.
T 6	21 57	2 54	5 12	24 59	1 16	19 53	2 0	18 4	3 27	10 2	1 28	9 10	2 11	21 25	0 39	22 55	0 44	3 17	11 24	23 43	23 44	14 31		n.a.
W 7	22 6	2n 4	4 57	24 49	1 8	19 33	2 14	17 57	3 30	10 0	1 28	9 12	2 11	21 25	0 39	22 55	0 44	3 16	11 23	23 43	23 44	14 34		n.a.
T 8	22 14	6 55	4 29	24 38	1 0	19 14	2 27	17 50	3 32	9 58	1 27	9 14	2 11	21 24	0 39	22 55	0 44	3 16	11 23	23 43	23 44	14 36		n.a.
F 9	22 23	11 30	3 49	24 26	0 52	18 55	2 40	17 43	3 35	9 56	1 27	9 17	2 11	21 23	0 39	22 55	0 44	3 16	11 23	23 43	23 44	14 39		n.a.
S 10	22 31	15 40	3 0	24 13	0 43	18 36	2 53	17 36	3 38	9 53	1 27	9 19	2 11	21 23	0 39	22 55	0 44	3 16	11 23	23 43	23 44	14 41		n.a.
S 11	22 38	19 14	2 3	23 59	0 33	18 18	3 5	17 29	3 41	9 51	1 27	9 21	2 12	21 22	0 39	22 55	0 43	3 16	11 22	23 43	23 44	14 44		n.a.
M12	22 45	22 1	1 0	23 44	0 23	18 0	3 16	17 22	3 43	9 49	1 26	9 23	2 12	21 22	0 39	22 55	0 43	3 16	11 22	23 43	23 44	14 46		n.a.
T 13	22 52	23 51	0n 6	23 28	0 13	17 43	3 28	17 15	3 46	9 46	1 26	9 25	2 12	21 21	0 39	22 55	0 43	3 16	11 22	23 43	23 44	14 49		n.a.
W14	22 58	24 35	1 13	23 12	0 2	17 27	3 38	17 8	3 49	9 44	1 26	9 28	2 12	21 20	0 39	22 55	0 43	3 16	11 21	23 43	23 44	14 51		n.a.
T 15	23 4	24 8	2 17	22 55	0s 9	17 12	3 48	17 2	3 52	9 42	1 26	9 30	2 12	21 20	0 39	22 54	0 43	3 16	11 21	23 43	23 44	14 54		n.a.
F 16	23 10	22 28	3 16	22 38	0 21	16 57	3 58	16 55	3 54	9 39	1 25	9 32	2 12	21 19	0 38	22 54	0 43	3 16	11 21	23 43	23 43	14 56		n.a.
S 17	23 15	19 40	4 6	22 21	0 33	16 43	4 7	16 49	3 57	9 36	1 25	9 34	2 12	21 18	0 38	22 54	0 43	3 16	11 20	23 43	23 43	14 59		n.a.
S 18	23 20	15 51	4 45	22 3	0 45	16 30	4 15	16 42	4 0	9 34	1 25	9 36	2 12	21 18	0 38	22 54	0 43	3 16	11 20	23 43	23 43	15 1		n.a.
M19	23 24	11 10	5 9	21 45	0 58	16 18	4 23	16 36	4 3	9 31	1 25	9 38	2 13	21 17	0 38	22 54	0 43	3 16	11 20	23 43	23 43	15 4		n.a.
T 20	23 28	5 49	5 17	21 27	1 10	16 7	4 31	16 30	4 6	9 28	1 24	9 40	2 13	21 16	0 38	22 54	0 43	3 16	11 19	23 43	23 43	15 6		n.a.
W21	23 32	0 3	5 7	21 10	1 24	15 57	4 37	16 24	4 9	9 26	1 24	9 42	2 13	21 16	0 38	22 54	0 43	3 16	11 19	23 43	23 43	15 9		n.a.
T 22	23 35	5s52	4 37	20 52	1 37	15 48	4 44	16 19	4 11	9 23	1 24	9 44	2 13	21 15	0 38	22 54	0 43	3 16	11 18	23 43	23 43	15 11		n.a.
F 23	23 38	11 36	3 49	20 35	1 50	15 40	4 49	16 13	4 14	9 20	1 24	9 46	2 13	21 14	0 38	22 54	0 43	3 16	11 18	23 43	23 43	15 13		n.a.
S 24	23 40	16 44	2 45	20 18	2 4	15 33	4 54	16 8	4 17	9 17	1 23	9 47	2 13	21 14	0 38	22 54	0 43	3 16	11 18	23 43	23 43	15 16		n.a.
S 25	23 42	20 51	1 29	20 2	2 17	15 27	4 59	16 2	4 20	9 14	1 23	9 49	2 13	21 13	0 38	22 54	0 43	3 16	11 17	23 43	23 43	15 18		n.a.
M26	23 43	23 33	0 8	19 46	2 31	15 23	5 3	15 57	4 23	9 11	1 23	9 51	2 14	21 12	0 38	22 54	0 43	3 16	11 17	23 43	23 43	15 21		n.a.
T 27	23 44	24 35	1s14	19 31	2 45	15 19	5 7	15 52	4 26	9 8	1 23	9 53	2 14	21 12	0 38	22 54	0 43	3 16	11 17	23 43	23 43	15 23		n.a.
W28	23 45	23 54	2 29	19 17	2 58	15 16	5 10	15 47	4 28	9 5	1 23	9 55	2 14	21 11	0 38	22 54	0 43	3 16	11 16	23 43	23 43	15 26		n.a.
T 29	23 45	21 43	3 33	19 4	3 11	15 14	5 12	15 43	4 31	9 1	1 22	9 56	2 14	21 10	0 38	22 54	0 43	3 16	11 16	23 43	23 43	15 28		n.a.
F 30	23n45	18s20	4s22	18n52	3s24	15n12	5s15	15s38	4s34	8n58	1n22	9n58	2s14	21n 9	0n38	22s54	0n43	3s17	11n15	23n43	23n42	15n31		n.a.

Julian Day Number = 1548080.5, Delta T = 04h32m50s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'37, Lahiri = -10°30'37 Julian Calendar 1 June 475 BCE == Greg. Calendar 27 May 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

JULY 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 11 59	1♋55'59	5♓40	19°R56	29♉43	1♓ 0	10♍41	1♉20	29♋30	23°R58	6°R38	26°R48	26♊31	21♉35	n.a.	S 1
S 2	18 15 56	2°53'22	18°31	19♋40	29°52	1°18	10°49	1°25	29°34	23♐56	6♏37	26♊47	26°28	21°42	n.a.	S 2
M 3	18 19 52	3°50'47	1♈ 1	19°20	0♊ 3	1°36	10°58	1°30	29°37	23°54	6°37	26°D47	26°25	21°49	n.a.	M 3
T 4	18 23 49	4°48'13	13°14	18°55	0°17	1°53	11° 6	1°35	29°41	23°53	6°36	26°47	26°22	21°55	n.a.	T 4
W 5	18 27 45	5°45'40	25°15	18°24	0°32	2°10	11°15	1°40	29°44	23°51	6°35	26°47	26°18	22° 2	n.a.	W 5
T 6	18 31 42	6°43'09	7♉ 7	17°50	0°50	2°25	11°23	1°45	29°48	23°50	6°35	26°48	26°15	22° 9	n.a.	T 6
F 7	18 35 39	7°40'40	18°57	17°11	1° 9	2°40	11°32	1°50	29°51	23°48	6°34	26°49	26°12	22°15	n.a.	F 7
S 8	18 39 35	8°38'12	0♊46	16°29	1°30	2°55	11°41	1°54	29°55	23°46	6°34	26°50	26° 9	22°22	n.a.	S 8
S 9	18 43 32	9°35'45	12°40	15°43	1°53	3° 9	11°50	1°59	29°58	23°45	6°33	26°51	26° 6	22°29	n.a.	S 9
M10	18 47 28	10°33'20	24°41	14°56	2°17	3°22	11°59	2° 3	0♌ 2	23°43	6°33	26°R52	26° 3	22°35	n.a.	M10
T 11	18 51 25	11°30'57	6♋51	14° 7	2°43	3°34	12° 8	2° 8	0° 6	23°42	6°32	26°51	25°59	22°42	n.a.	T 11
W12	18 55 21	12°28'34	19°12	13°18	3°11	3°46	12°17	2°12	0° 9	23°40	6°32	26°50	25°56	22°49	n.a.	W12
T 13	18 59 18	13°26'13	1♌46	12°28	3°40	3°56	12°26	2°16	0°13	23°39	6°32	26°49	25°53	22°55	n.a.	T 13
F 14	19 3 15	14°23'54	14°33	11°41	4°11	4° 6	12°36	2°21	0°17	23°37	6°31	26°46	25°50	23° 2	n.a.	F 14
S 15	19 7 11	15°21'35	27°34	10°55	4°43	4°16	12°45	2°25	0°20	23°36	6°31	26°44	25°47	23° 9	n.a.	S 15
S 16	19 11 8	16°19'18	10♍50	10°13	5°16	4°24	12°55	2°29	0°24	23°34	6°31	26°41	25°43	23°15	n.a.	S 16
M17	19 15 4	17°17'02	24°19	9°35	5°51	4°32	13° 5	2°32	0°28	23°33	6°30	26°39	25°40	23°22	n.a.	M17
T 18	19 19 1	18°14'48	8♎ 3	9° 2	6°27	4°39	13°15	2°36	0°31	23°31	6°30	26°38	25°37	23°29	n.a.	T 18
W19	19 22 57	19°12'34	22° 0	8°34	7° 4	4°45	13°25	2°40	0°35	23°30	6°30	26°D38	25°34	23°35	n.a.	W19
T 20	19 26 54	20°10'22	6♏10	8°13	7°42	4°50	13°35	2°43	0°39	23°29	6°30	26°38	25°31	23°42	n.a.	T 20
F 21	19 30 50	21° 8'11	20°32	7°59	8°21	4°55	13°45	2°47	0°42	23°27	6°30	26°39	25°28	23°49	n.a.	F 21
S 22	19 34 47	22° 6'02	5♐ 2	7°D52	9° 2	4°58	13°55	2°50	0°46	23°26	6°30	26°41	25°24	23°55	n.a.	S 22
S 23	19 38 44	23° 3'54	19°36	7°53	9°44	5° 1	14° 5	2°54	0°50	23°24	6°29	26°R42	25°21	24° 2	n.a.	S 23
M24	19 42 40	24° 1'47	4♑10	8° 1	10°26	5° 3	14°16	2°57	0°54	23°23	6°D29	26°42	25°18	24° 9	n.a.	M24
T 25	19 46 37	24°59'42	18°37	8°18	11°10	5° 4	14°26	3° 0	0°57	23°22	6°29	26°40	25°15	24°15	n.a.	T 25
W26	19 50 33	25°57'39	2♒53	8°42	11°54	5°R 4	14°37	3° 3	1° 1	23°20	6°30	26°38	25°12	24°22	n.a.	W26
T 27	19 54 30	26°55'38	16°51	9°15	12°40	5° 4	14°47	3° 6	1° 5	23°19	6°30	26°34	25° 9	24°29	n.a.	T 27
F 28	19 58 26	27°53'38	0♓29	9°55	13°26	5° 2	14°58	3° 9	1° 9	23°18	6°30	26°29	25° 5	24°35	n.a.	F 28
S 29	20 2 23	28°51'40	13°44	10°43	14°13	5° 0	15° 9	3°11	1°12	23°17	6°30	26°24	25° 2	24°42	n.a.	S 29
S 30	20 6 19	29°49'44	26°36	11°39	15° 1	4°57	15°20	3°14	1°16	23°15	6°30	26°19	24°59	24°49	n.a.	S 30
M31	20 10 16	0♌47'50	9♈ 8	12♋41	15♊50	4♓53	15♍31	3♉17	1♌20	23♐14	6♏30	26♊16	24♊56	24♉55	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	14s 8	4s56	18n42	3s36	15n12	5s16	15s34	4s37	8n55	1n22	10n 0	2s14	21n 9	0n38	22s54	0n43	3s17	11n15	23n43	23n42	15n33		n.a.
S 2	23 43	9 24	5 14	18 32	3 47	15 13	5 18	15 30	4 40	8 52	1 22	10 1	2 15	21 8	0 38	22 53	0 43	3 17	11 15	23 43	23 42	15 35		n.a.
M 3	23 42	4 25	5 16	18 25	3 58	15 14	5 19	15 26	4 43	8 48	1 21	10 3	2 15	21 7	0 38	22 53	0 43	3 17	11 14	23 43	23 42	15 38		n.a.
T 4	23 40	0n38	5 4	18 18	4 8	15 16	5 19	15 22	4 46	8 45	1 21	10 4	2 15	21 6	0 38	22 53	0 43	3 17	11 14	23 43	23 42	15 40		n.a.
W 5	23 38	5 34	4 39	18 14	4 17	15 19	5 20	15 19	4 48	8 41	1 21	10 6	2 15	21 6	0 38	22 53	0 43	3 17	11 13	23 43	23 42	15 43		n.a.
T 6	23 35	10 15	4 2	18 11	4 25	15 23	5 20	15 16	4 51	8 38	1 21	10 8	2 15	21 5	0 38	22 53	0 43	3 18	11 13	23 43	23 42	15 45		n.a.
F 7	23 32	14 33	3 15	18 9	4 31	15 27	5 19	15 13	4 54	8 34	1 21	10 9	2 15	21 4	0 38	22 53	0 43	3 18	11 12	23 43	23 42	15 47		n.a.
S 8	23 28	18 18	2 20	18 10	4 36	15 32	5 19	15 10	4 57	8 31	1 20	10 10	2 16	21 3	0 38	22 53	0 43	3 18	11 12	23 43	23 42	15 50		n.a.
S 9	23 24	21 20	1 18	18 12	4 39	15 37	5 18	15 8	5 0	8 27	1 20	10 12	2 16	21 3	0 38	22 53	0 43	3 18	11 12	23 43	23 42	15 52		n.a.
M10	23 20	23 27	0 12	18 15	4 41	15 43	5 16	15 5	5 2	8 23	1 20	10 13	2 16	21 2	0 38	22 53	0 43	3 19	11 11	23 43	23 42	15 55		n.a.
T 11	23 15	24 29	0n55	18 21	4 40	15 50	5 15	15 3	5 5	8 20	1 20	10 15	2 16	21 1	0 38	22 53	0 43	3 19	11 11	23 43	23 41	15 57		n.a.
W12	23 10	24 21	2 0	18 28	4 38	15 57	5 13	15 2	5 8	8 16	1 20	10 16	2 16	21 0	0 38	22 53	0 43	3 19	11 10	23 43	23 41	16 0		n.a.
T 13	23 4	22 58	3 1	18 37	4 34	16 4	5 11	15 0	5 11	8 12	1 19	10 17	2 16	20 59	0 38	22 53	0 43	3 19	11 10	23 43	23 41	16 2		n.a.
F 14	22 58	20 24	3 54	18 47	4 28	16 12	5 9	14 59	5 13	8 8	1 19	10 18	2 17	20 59	0 38	22 53	0 43	3 20	11 9	23 43	23 41	16 4		n.a.
S 15	22 51	16 46	4 35	18 58	4 21	16 20	5 7	14 58	5 16	8 4	1 19	10 20	2 17	20 58	0 38	22 53	0 43	3 20	11 9	23 43	23 41	16 7		n.a.
S 16	22 44	12 16	5 3	19 11	4 11	16 28	5 4	14 57	5 19	8 0	1 19	10 21	2 17	20 57	0 38	22 53	0 43	3 20	11 9	23 43	23 41	16 9		n.a.
M17	22 37	7 5	5 15	19 24	4 0	16 37	5 1	14 56	5 21	7 56	1 19	10 22	2 17	20 56	0 38	22 53	0 43	3 21	11 8	23 43	23 41	16 12		n.a.
T 18	22 29	1 29	5 9	19 39	3 48	16 46	4 59	14 56	5 24	7 52	1 18	10 23	2 17	20 55	0 38	22 53	0 43	3 21	11 8	23 43	23 41	16 14		n.a.
W19	22 21	4s17	4 45	19 54	3 35	16 55	4 55	14 56	5 26	7 48	1 18	10 24	2 18	20 55	0 38	22 53	0 43	3 21	11 7	23 43	23 41	16 16		n.a.
T 20	22 13	9 56	4 3	20 10	3 20	17 4	4 52	14 57	5 29	7 44	1 18	10 25	2 18	20 54	0 38	22 53	0 43	3 22	11 7	23 43	23 41	16 19		n.a.
F 21	22 4	15 8	3 6	20 27	3 4	17 14	4 49	14 57	5 31	7 40	1 18	10 26	2 18	20 53	0 38	22 52	0 43	3 22	11 6	23 43	23 40	16 21		n.a.
S 22	21 55	19 31	1 56	20 43	2 48	17 24	4 45	14 58	5 33	7 36	1 18	10 27	2 18	20 52	0 38	22 52	0 43	3 23	11 6	23 43	23 40	16 23		n.a.
S 23	21 45	22 42	0 39	21 0	2 31	17 33	4 42	14 59	5 36	7 32	1 18	10 28	2 18	20 51	0 38	22 52	0 43	3 23	11 5	23 43	23 40	16 26		n.a.
M24	21 35	24 22	0s41	21 17	2 14	17 43	4 38	15 0	5 38	7 28	1 17	10 29	2 19	20 51	0 38	22 52	0 43	3 23	11 5	23 43	23 40	16 28		n.a.
T 25	21 25	24 23	1 57	21 33	1 57	17 53	4 34	15 2	5 40	7 23	1 17	10 30	2 19	20 50	0 38	22 52	0 43	3 24	11 4	23 43	23 40	16 31		n.a.
W26	21 14	22 47	3 5	21 49	1 39	18 3	4 30	15 4	5 42	7 19	1 17	10 31	2 19	20 49	0 38	22 52	0 43	3 24	11 4	23 43	23 40	16 33		n.a.
T 27	21 3	19 48	4 1	22 4	1 22	18 13	4 26	15 6	5 44	7 15	1 17	10 32	2 19	20 48	0 38	22 52	0 43	3 25	11 4	23 42	23 40	16 35		n.a.
F 28	20 51	15 49	4 41	22 18	1 5	18 23	4 21	15 8	5 46	7 10	1 17	10 32	2 19	20 47	0 38	22 52	0 43	3 25	11 3	23 42	23 40	16 38		n.a.
S 29	20 39	11 9	5 5	22 30	0 49	18 33	4 17	15 11	5 48	7 6	1 17	10 33	2 20	20 46	0 38	22 52	0 43	3 26	11 3	23 42	23 39	16 40		n.a.
S 30	20 27	6 8	5 12	22 42	0 33	18 43	4 13	15 14	5 50	7 2	1 16	10 34	2 20	20 46	0 38	22 52	0 43	3 26	11 2	23 42	23 39	16 42		n.a.
M31	20n15	0s59	5s 4	22n51	0s17	18n53	4s 8	15s17	5s51	6n57	1n16	10n35	2s20	20n45	0n38	22s52	0n43	3s27	11n 2	23n42	23n39	16n45		n.a.

Julian Day Number = 1548110.5, Delta T = 04h32m49s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'33, Lahiri = -10°30'33 Julian Calendar 1 July 475 BCE == Greg. Calendar 26 June 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

AUGUST 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 14 13	1♌45'58	21♈22	13♋50	16♊40	4°R48	15♍42	3♉19	1♌24	23°R13	6♏30	26°R14	24♊53	25♉ 2	n.a.	T 1
W 2	20 18 9	2°44'09	3♉23	15° 6	17°30	4♓42	15°53	3°21	1°27	23♐12	6°31	26°D13	24°49	25° 9	n.a.	W 2
T 3	20 22 6	3°42'21	15°16	16°27	18°21	4°36	16° 4	3°23	1°31	23°11	6°31	26♊14	24°46	25°15	n.a.	T 3
F 4	20 26 2	4°40'36	27° 5	17°53	19°13	4°28	16°15	3°26	1°35	23°10	6°31	26°15	24°43	25°22	n.a.	F 4
S 5	20 29 59	5°38'53	8♊56	19°25	20° 5	4°20	16°27	3°28	1°39	23° 8	6°32	26°17	24°40	25°29	n.a.	S 5
S 6	20 33 55	6°37'12	20°53	21° 0	20°58	4°11	16°38	3°29	1°42	23° 7	6°32	26°R18	24°37	25°35	n.a.	S 6
M 7	20 37 52	7°35'33	3♋ 1	22°40	21°52	4° 1	16°49	3°31	1°46	23° 6	6°33	26°18	24°34	25°42	n.a.	M 7
T 8	20 41 48	8°33'56	15°22	24°22	22°46	3°50	17° 1	3°33	1°50	23° 5	6°33	26°16	24°30	25°49	n.a.	T 8
W 9	20 45 45	9°32'22	27°58	26° 8	23°41	3°39	17°13	3°34	1°54	23° 4	6°34	26°12	24°27	25°55	n.a.	W 9
T 10	20 49 42	10°30'49	10♌52	27°55	24°36	3°27	17°24	3°36	1°57	23° 3	6°34	26° 7	24°24	26° 2	n.a.	T 10
F 11	20 53 38	11°29'18	24° 2	29°45	25°32	3°14	17°36	3°37	2° 1	23° 2	6°35	26° 0	24°21	26° 9	n.a.	F 11
S 12	20 57 35	12°27'49	7♍27	1♌36	26°28	3° 1	17°48	3°39	2° 5	23° 1	6°35	25°52	24°18	26°15	n.a.	S 12
S 13	21 1 31	13°26'23	21° 6	3°27	27°25	2°47	18° 0	3°40	2° 9	23° 1	6°36	25°44	24°15	26°22	n.a.	S 13
M14	21 5 28	14°24'57	4♎55	5°20	28°22	2°32	18°11	3°41	2°12	23° 0	6°37	25°37	24°11	26°29	n.a.	M14
T 15	21 9 24	15°23'34	18°52	7°13	29°20	2°17	18°23	3°42	2°16	22°59	6°37	25°32	24° 8	26°35	n.a.	T 15
W16	21 13 21	16°22'13	2♏55	9° 6	0♋19	2° 1	18°35	3°42	2°20	22°58	6°38	25°30	24° 5	26°42	n.a.	W16
T 17	21 17 17	17°20'53	17° 1	10°59	1°17	1°45	18°47	3°43	2°23	22°57	6°39	25°D29	24° 2	26°49	n.a.	T 17
F 18	21 21 14	18°19'35	1♐10	12°52	2°17	1°28	19° 0	3°44	2°27	22°57	6°40	25°29	23°59	26°55	n.a.	F 18
S 19	21 25 10	19°18'19	15°21	14°44	3°16	1°11	19°12	3°44	2°31	22°56	6°40	25°30	23°55	27° 2	n.a.	S 19
S 20	21 29 7	20°17'05	29°30	16°36	4°16	0°54	19°24	3°44	2°34	22°55	6°41	25°R30	23°52	27° 9	n.a.	S 20
M21	21 33 4	21°15'53	13♑38	18°27	5°17	0°36	19°36	3°45	2°38	22°54	6°42	25°29	23°49	27°15	n.a.	M21
T 22	21 37 0	22°14'42	27°39	20°18	6°17	0°18	19°49	3°45	2°42	22°54	6°43	25°25	23°46	27°22	n.a.	T 22
W23	21 40 57	23°13'34	11♒32	22° 7	7°19	29♒59	20° 1	3°R45	2°45	22°53	6°44	25°19	23°43	27°29	n.a.	W23
T 24	21 44 53	24°12'27	25°13	23°56	8°20	29°42	20°13	3°45	2°49	22°53	6°45	25°10	23°40	27°35	n.a.	T 24
F 25	21 48 50	25°11'23	8♓38	25°45	9°22	29°23	20°26	3°45	2°52	22°52	6°46	25° 0	23°36	27°42	n.a.	F 25
S 26	21 52 46	26°10'21	21°45	27°32	10°24	29° 5	20°38	3°44	2°56	22°52	6°47	24°50	23°33	27°49	n.a.	S 26
S 27	21 56 43	27° 9'21	4♈33	29°18	11°27	28°46	20°51	3°44	2°59	22°51	6°48	24°39	23°30	27°55	n.a.	S 27
M28	22 0 39	28° 8'23	17° 2	1♍ 4	12°30	28°28	21° 3	3°43	3° 3	22°51	6°49	24°31	23°27	28° 2	n.a.	M28
T 29	22 4 36	29° 7'28	29°16	2°48	13°33	28° 9	21°16	3°43	3° 6	22°50	6°50	24°24	23°24	28° 9	n.a.	T 29
W30	22 8 33	0♍ 6'35	11♉16	4°32	14°37	27°51	21°29	3°42	3°10	22°50	6°52	24°20	23°20	28°15	n.a.	W30
T 31	22 12 29	1♍ 5'45	23♉ 8	6♍15	15♋41	27♒33	21♍41	3♉41	3♌13	22♐49	6♏53	24♊18	23♊17	28♉22	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	20n 2	4n 5	4s43	22n59	0s 2	19n 2	4s 4	15s20	5s53	6n53	1n16	10n35	2s20	20n44	0n38	22s52	0n43	3s27	11n 1	23n42	23n39	16n47		n.a.
W 2	19 48	8 54	4 9	23 5	0n12	19 12	3 59	15 23	5 54	6 48	1 16	10 36	2 21	20 43	0 38	22 52	0 43	3 28	11 1	23 42	23 39	16 49		n.a.
T 3	19 35	13 22	3 25	23 8	0 25	19 21	3 54	15 27	5 56	6 44	1 16	10 36	2 21	20 42	0 38	22 52	0 43	3 28	11 0	23 42	23 39	16 52		n.a.
F 4	19 21	17 18	2 32	23 9	0 37	19 30	3 49	15 31	5 57	6 39	1 16	10 37	2 21	20 41	0 38	22 52	0 43	3 29	11 0	23 42	23 39	16 54		n.a.
S 5	19 6	20 33	1 33	23 7	0 48	19 39	3 44	15 35	5 58	6 35	1 16	10 37	2 21	20 40	0 38	22 52	0 42	3 29	10 59	23 42	23 39	16 56		n.a.
S 6	18 52	22 57	0 29	23 3	0 58	19 47	3 40	15 40	5 59	6 30	1 15	10 38	2 21	20 40	0 38	22 52	0 42	3 30	10 59	23 42	23 38	16 59		n.a.
M 7	18 37	24 19	0n36	22 56	1 8	19 56	3 35	15 44	6 0	6 25	1 15	10 38	2 22	20 39	0 38	22 52	0 42	3 30	10 58	23 42	23 38	17 1		n.a.
T 8	18 21	24 32	1 42	22 46	1 16	20 4	3 30	15 49	6 1	6 21	1 15	10 38	2 22	20 38	0 38	22 52	0 42	3 31	10 58	23 42	23 38	17 3		n.a.
W 9	18 6	23 30	2 43	22 34	1 23	20 12	3 24	15 53	6 1	6 16	1 15	10 39	2 22	20 37	0 38	22 52	0 42	3 32	10 58	23 42	23 38	17 6		n.a.
T 10	17 50	21 13	3 37	22 19	1 30	20 19	3 19	15 58	6 2	6 11	1 15	10 39	2 22	20 36	0 38	22 52	0 42	3 32	10 57	23 42	23 38	17 8		n.a.
F 11	17 34	17 47	4 21	22 1	1 35	20 27	3 14	16 3	6 2	6 7	1 15	10 39	2 23	20 35	0 38	22 52	0 42	3 33	10 57	23 41	23 38	17 10		n.a.
S 12	17 17	13 23	4 52	21 41	1 39	20 33	3 9	16 9	6 2	6 2	1 15	10 40	2 23	20 35	0 38	22 52	0 42	3 34	10 56	23 41	23 38	17 13		n.a.
S 13	17 0	8 15	5 6	21 18	1 43	20 40	3 4	16 14	6 2	5 57	1 15	10 40	2 23	20 34	0 38	22 52	0 42	3 34	10 56	23 41	23 38	17 15		n.a.
M14	16 43	2 39	5 3	20 54	1 46	20 46	2 59	16 19	6 2	5 52	1 14	10 40	2 23	20 33	0 38	22 52	0 42	3 35	10 55	23 41	23 37	17 17		n.a.
T 15	16 26	3s 8	4 43	20 27	1 48	20 52	2 53	16 24	6 2	5 47	1 14	10 40	2 23	20 32	0 38	22 52	0 42	3 35	10 55	23 41	23 37	17 20		n.a.
W16	16 8	8 49	4 5	19 58	1 49	20 57	2 48	16 30	6 1	5 42	1 14	10 40	2 24	20 31	0 38	22 52	0 42	3 36	10 54	23 40	23 37	17 22		n.a.
T 17	15 50	14 5	3 12	19 27	1 50	21 2	2 43	16 35	6 0	5 37	1 14	10 40	2 24	20 30	0 38	22 52	0 42	3 37	10 54	23 40	23 37	17 24		n.a.
F 18	15 32	18 36	2 7	18 55	1 49	21 7	2 37	16 40	6 0	5 33	1 14	10 40	2 24	20 30	0 38	22 52	0 42	3 37	10 54	23 40	23 37	17 27		n.a.
S 19	15 14	22 2	0 54	18 21	1 49	21 11	2 32	16 46	5 59	5 28	1 14	10 40	2 24	20 29	0 38	22 52	0 42	3 38	10 53	23 41	23 37	17 29		n.a.
S 20	14 55	24 7	0s21	17 46	1 47	21 14	2 27	16 51	5 57	5 23	1 14	10 40	2 24	20 28	0 38	22 52	0 42	3 39	10 53	23 41	23 37	17 31		n.a.
M21	14 36	24 38	1 36	17 10	1 45	21 17	2 22	16 56	5 56	5 18	1 14	10 40	2 25	20 27	0 38	22 52	0 42	3 40	10 52	23 40	23 36	17 34		n.a.
T 22	14 17	23 34	2 43	16 32	1 43	21 20	2 16	17 1	5 55	5 13	1 14	10 40	2 25	20 26	0 38	22 52	0 42	3 40	10 52	23 40	23 36	17 36		n.a.
W23	13 57	21 4	3 40	15 54	1 40	21 22	2 11	17 6	5 53	5 8	1 14	10 39	2 25	20 25	0 38	22 52	0 42	3 41	10 51	23 40	23 36	17 38		n.a.
T 24	13 38	17 25	4 24	15 14	1 37	21 24	2 6	17 11	5 51	5 3	1 13	10 39	2 25	20 25	0 38	22 52	0 42	3 42	10 51	23 40	23 36	17 40		n.a.
F 25	13 18	12 56	4 52	14 34	1 33	21 25	2 0	17 16	5 49	4 58	1 13	10 39	2 26	20 24	0 39	22 52	0 42	3 42	10 50	23 39	23 36	17 43		n.a.
S 26	12 57	7 57	5 3	13 53	1 29	21 26	1 55	17 21	5 47	4 53	1 13	10 39	2 26	20 23	0 39	22 52	0 42	3 43	10 50	23 39	23 36	17 45		n.a.
S 27	12 37	2 44	4 59	13 11	1 25	21 26	1 50	17 25	5 44	4 47	1 13	10 38	2 26	20 22	0 39	22 52	0 42	3 44	10 50	23 39	23 35	17 47		n.a.
M28	12 17	2n27	4 41	12 29	1 20	21 25	1 44	17 29	5 42	4 42	1 13	10 38	2 26	20 21	0 39	22 52	0 42	3 45	10 49	23 38	23 35	17 49		n.a.
T 29	11 56	7 28	4 10	11 46	1 15	21 24	1 39	17 33	5 39	4 37	1 13	10 37	2 26	20 21	0 39	22 52	0 42	3 45	10 49	23 38	23 35	17 52		n.a.
W30	11 35	12 6	3 28	11 3	1 10	21 23	1 34	17 37	5 36	4 32	1 13	10 37	2 27	20 20	0 39	22 52	0 42	3 46	10 48	23 38	23 35	17 54		n.a.
T 31	11n14	16n15	2s38	10n20	1n 4	21n21	1s29	17s41	5s33	4n27	1n13	10n37	2s27	20n19	0n39	22s52	0n42	3s47	10n48	23n38	23n35	17n56		n.a.

Julian Day Number = 1548141.5, Delta T = 04h32m48s
Ecliptic obliquity = 23°45'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'29, Lahiri = -10°30'29 Julian Calendar 1 Aug. 475 BCE == Greg. Calendar 27 July 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

SEPTEMBER 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 16 26	2♍ 4'57	4♊57	7♍57	16♋45	27°R15	21♍54	3°R40	3♌17	22°R49	6♏54	24°D18	23♊14	28♉29	n.a.	F 1
S 2	22 20 22	3° 4'12	16°47	9°38	17°49	26♒58	22° 7	3♉39	3°20	22♐49	6°55	24♊18	23°11	28°35	n.a.	S 2
S 3	22 24 19	4° 3'29	28°46	11°19	18°54	26°40	22°20	3°38	3°24	22°49	6°57	24°R18	23° 8	28°42	n.a.	S 3
M 4	22 28 15	5° 2'48	10♋56	12°58	19°59	26°23	22°32	3°36	3°27	22°48	6°58	24°17	23° 5	28°49	n.a.	M 4
T 5	22 32 12	6° 2'10	23°24	14°37	21° 5	26° 7	22°45	3°35	3°30	22°48	6°59	24°14	23° 1	28°55	n.a.	T 5
W 6	22 36 8	7° 1'34	6♌12	16°15	22°10	25°51	22°58	3°34	3°34	22°48	7° 1	24° 7	22°58	29° 2	n.a.	W 6
T 7	22 40 5	8° 1'00	19°22	17°52	23°16	25°35	23°11	3°32	3°37	22°48	7° 2	23°59	22°55	29° 9	n.a.	T 7
F 8	22 44 1	9° 0'29	2♍53	19°28	24°22	25°20	23°24	3°30	3°40	22°48	7° 3	23°48	22°52	29°15	n.a.	F 8
S 9	22 47 58	10° 0'00	16°44	21° 4	25°28	25° 5	23°37	3°28	3°43	22°48	7° 5	23°36	22°49	29°22	n.a.	S 9
S 10	22 51 55	10°59'33	0♎49	22°39	26°35	24°52	23°50	3°26	3°47	22°48	7° 6	23°24	22°46	29°28	n.a.	S 10
M11	22 55 51	11°59'08	15° 5	24°13	27°42	24°38	24° 3	3°24	3°50	22°D48	7° 8	23°13	22°42	29°35	n.a.	M11
T 12	22 59 48	12°58'44	29°26	25°47	28°49	24°26	24°16	3°22	3°53	22°48	7° 9	23° 5	22°39	29°42	n.a.	T 12
W13	23 3 44	13°58'23	13♏45	27°20	29°56	24°14	24°29	3°20	3°56	22°48	7°11	23° 0	22°36	29°48	n.a.	W13
T 14	23 7 41	14°58'04	28° 1	28°52	1♌ 3	24° 2	24°42	3°17	3°59	22°48	7°13	22°57	22°33	29°55	n.a.	T 14
F 15	23 11 37	15°57'47	12♐10	0♎24	2°11	23°52	24°55	3°15	4° 2	22°48	7°14	22°57	22°30	0♊ 2	n.a.	F 15
S 16	23 15 34	16°57'31	26°11	1°55	3°19	23°42	25° 8	3°12	4° 5	22°48	7°16	22°57	22°26	0° 8	n.a.	S 16
S 17	23 19 30	17°57'17	10♑ 4	3°25	4°27	23°33	25°22	3°10	4° 8	22°48	7°18	22°56	22°23	0°15	n.a.	S 17
M18	23 23 27	18°57'05	23°50	4°54	5°35	23°25	25°35	3° 7	4°11	22°49	7°19	22°53	22°20	0°22	n.a.	M18
T 19	23 27 24	19°56'55	7♒27	6°23	6°44	23°17	25°48	3° 4	4°14	22°49	7°21	22°48	22°17	0°28	n.a.	T 19
W20	23 31 20	20°56'47	20°54	7°52	7°52	23°11	26° 1	3° 1	4°17	22°49	7°23	22°40	22°14	0°35	n.a.	W20
T 21	23 35 17	21°56'41	4♓11	9°19	9° 1	23° 5	26°14	2°58	4°20	22°49	7°24	22°29	22°11	0°42	n.a.	T 21
F 22	23 39 13	22°56'36	17°16	10°46	10°10	23° 0	26°27	2°55	4°23	22°50	7°26	22°16	22° 7	0°48	n.a.	F 22
S 23	23 43 10	23°56'33	0♈ 7	12°12	11°19	22°56	26°41	2°52	4°25	22°50	7°28	22° 2	22° 4	0°55	n.a.	S 23
S 24	23 47 6	24°56'33	12°43	13°38	12°29	22°52	26°54	2°49	4°28	22°51	7°30	21°49	22° 1	1° 2	n.a.	S 24
M25	23 51 3	25°56'35	25° 5	15° 2	13°38	22°49	27° 7	2°45	4°31	22°51	7°32	21°37	21°58	1° 8	n.a.	M25
T 26	23 54 59	26°56'38	7♉14	16°26	14°48	22°48	27°20	2°42	4°33	22°52	7°34	21°28	21°55	1°15	n.a.	T 26
W27	23 58 56	27°56'44	19°12	17°49	15°58	22°46	27°33	2°38	4°36	22°52	7°35	21°21	21°52	1°22	n.a.	W27
T 28	0 2 52	28°56'52	1♊ 2	19°11	17° 8	22°D46	27°47	2°34	4°39	22°53	7°37	21°18	21°48	1°28	n.a.	T 28
F 29	0 6 49	29°57'03	12°49	20°32	18°18	22°47	28° 0	2°31	4°41	22°53	7°39	21°16	21°45	1°35	n.a.	F 29
S 30	0 10 46	0♎57'15	24♊38	21♎53	19♌28	22♒48	28♍13	2♉27	4♌44	22♐54	7♏41	21♊16	21♊42	1♊42	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n52	19n44	1s41	9n36	0n59	21n18	1s24	17s44	5s30	4n22	1n13	10n36	2s27	20n18	0n39	22s52	0n42	3s48	10n48	23n38	23n35	17n59		n.a.
S 2	10 31	22 25	0 40	8 52	0 53	21 15	1 18	17 48	5 27	4 17	1 13	10 35	2 27	20 17	0 39	22 52	0 42	3 49	10 47	23 38	23 34	18 1		n.a.
S 3	10 9	24 9	0n24	8 8	0 47	21 11	1 13	17 51	5 24	4 11	1 13	10 35	2 27	20 17	0 39	22 52	0 42	3 49	10 47	23 38	23 34	18 3		n.a.
M 4	9 47	24 45	1 27	7 24	0 41	21 7	1 8	17 53	5 20	4 6	1 13	10 34	2 28	20 16	0 39	22 52	0 42	3 50	10 46	23 38	23 34	18 5		n.a.
T 5	9 25	24 8	2 28	6 40	0 34	21 2	1 3	17 56	5 17	4 1	1 12	10 34	2 28	20 15	0 39	22 52	0 41	3 51	10 46	23 38	23 34	18 8		n.a.
W 6	9 3	22 14	3 23	5 55	0 28	20 57	0 58	17 58	5 13	3 56	1 12	10 33	2 28	20 14	0 39	22 52	0 41	3 52	10 45	23 37	23 34	18 10		n.a.
T 7	8 40	19 8	4 8	5 11	0 21	20 51	0 53	18 0	5 9	3 51	1 12	10 32	2 28	20 14	0 39	22 52	0 41	3 53	10 45	23 37	23 34	18 12		n.a.
F 8	8 18	14 57	4 41	4 27	0 15	20 44	0 48	18 1	5 5	3 45	1 12	10 31	2 28	20 13	0 39	22 52	0 41	3 53	10 45	23 36	23 33	18 14		n.a.
S 9	7 55	9 53	4 59	3 42	0 8	20 37	0 43	18 2	5 1	3 40	1 12	10 31	2 29	20 12	0 39	22 52	0 41	3 54	10 44	23 36	23 33	18 16		n.a.
S 10	7 32	4 13	4 58	2 58	0 1	20 29	0 39	18 3	4 57	3 35	1 12	10 30	2 29	20 11	0 39	22 52	0 41	3 55	10 44	23 35	23 33	18 19		n.a.
M11	7 9	1s44	4 40	2 14	0s 6	20 20	0 34	18 4	4 53	3 30	1 12	10 29	2 29	20 11	0 39	22 52	0 41	3 56	10 44	23 35	23 33	18 21		n.a.
T 12	6 46	7 38	4 3	1 30	0 13	20 11	0 29	18 4	4 49	3 24	1 12	10 28	2 29	20 10	0 39	22 52	0 41	3 57	10 43	23 34	23 33	18 23		n.a.
W13	6 23	13 8	3 11	0 47	0 20	20 2	0 24	18 5	4 44	3 19	1 12	10 27	2 29	20 9	0 39	22 52	0 41	3 58	10 43	23 34	23 33	18 25		n.a.
T 14	6 0	17 54	2 8	0 3	0 27	19 52	0 20	18 4	4 40	3 14	1 12	10 26	2 29	20 9	0 39	22 52	0 41	3 58	10 42	23 34	23 32	18 28		n.a.
F 15	5 36	21 37	0 57	0s40	0 34	19 41	0 15	18 4	4 36	3 8	1 12	10 25	2 30	20 8	0 39	22 52	0 41	3 59	10 42	23 34	23 32	18 30		n.a.
S 16	5 13	23 59	0s17	1 23	0 40	19 30	0 11	18 3	4 31	3 3	1 12	10 24	2 30	20 7	0 39	22 52	0 41	4 0	10 42	23 34	23 32	18 32		n.a.
S 17	4 49	24 51	1 29	2 6	0 47	19 18	0 6	18 2	4 27	2 58	1 12	10 23	2 30	20 6	0 39	22 52	0 41	4 1	10 41	23 34	23 32	18 34		n.a.
M18	4 26	24 10	2 35	2 48	0 54	19 5	0 2	18 0	4 22	2 52	1 12	10 22	2 30	20 6	0 39	22 52	0 41	4 2	10 41	23 34	23 32	18 36		n.a.
T 19	4 2	22 4	3 32	3 30	1 1	18 52	0n 2	17 59	4 18	2 47	1 12	10 21	2 30	20 5	0 39	22 52	0 41	4 3	10 41	23 33	23 31	18 39		n.a.
W20	3 38	18 45	4 16	4 12	1 8	18 39	0 7	17 57	4 13	2 42	1 12	10 20	2 30	20 4	0 39	22 52	0 41	4 4	10 40	23 33	23 31	18 41		n.a.
T 21	3 14	14 31	4 45	4 53	1 14	18 25	0 11	17 54	4 9	2 36	1 12	10 18	2 31	20 4	0 39	22 52	0 41	4 4	10 40	23 32	23 31	18 43		n.a.
F 22	2 50	9 40	4 59	5 33	1 21	18 10	0 15	17 52	4 4	2 31	1 12	10 17	2 31	20 3	0 39	22 53	0 41	4 5	10 40	23 31	23 31	18 45		n.a.
S 23	2 26	4 29	4 57	6 13	1 28	17 55	0 19	17 49	4 0	2 26	1 12	10 16	2 31	20 2	0 39	22 53	0 41	4 6	10 39	23 31	23 31	18 47		n.a.
S 24	2 2	0n47	4 41	6 53	1 34	17 39	0 23	17 46	3 55	2 21	1 12	10 15	2 31	20 2	0 39	22 53	0 41	4 7	10 39	23 30	23 31	18 50		n.a.
M25	1 38	5 57	4 11	7 32	1 40	17 23	0 27	17 43	3 51	2 15	1 12	10 13	2 31	20 1	0 39	22 53	0 41	4 8	10 39	23 29	23 30	18 52		n.a.
T 26	1 14	10 47	3 31	8 10	1 46	17 6	0 31	17 39	3 46	2 10	1 12	10 12	2 31	20 1	0 39	22 53	0 41	4 9	10 38	23 28	23 30	18 54		n.a.
W27	0 50	15 10	2 41	8 48	1 52	16 48	0 34	17 35	3 42	2 5	1 12	10 11	2 31	20 0	0 39	22 53	0 41	4 10	10 38	23 28	23 30	18 56		n.a.
T 28	0 25	18 55	1 45	9 25	1 58	16 31	0 38	17 31	3 37	1 59	1 12	10 9	2 32	19 59	0 39	22 53	0 41	4 11	10 38	23 28	23 30	18 58		n.a.
F 29	0 1	21 54	0 45	10 2	2 3	16 12	0 42	17 27	3 33	1 54	1 12	10 8	2 32	19 59	0 39	22 53	0 41	4 12	10 37	23 28	23 30	19 0		n.a.
S 30	0s23	23n56	0n18	10s37	2s 9	15n53	0n45	17s22	3s28	1n49	1n11	10n 7	2s32	19n58	0n39	22s53	0n41	4s12	10n37	23n28	23n29	19n 3		n.a.

Julian Day Number = 1548172.5, Delta T = 04h32m46s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'25, Lahiri = -10°30'24 Julian Calendar 1 Sept. 475 BCE == Greg. Calendar 27 Aug. 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

OCTOBER 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 14 42	1♎57'30	6♋34	23♎12	20♌39	22♒50	28♍26	2°R23	4♌46	22♐55	7♏43	21°R16	21♊39	1♊48	n.a.	S 1
M 2	0 18 39	2°57'47	18°44	24°29	21°49	22°53	28°39	2♉19	4°48	22°55	7°45	21♊15	21°36	1°55	n.a.	M 2
T 3	0 22 35	3°58'06	1♌12	25°46	23° 0	22°56	28°53	2°15	4°51	22°56	7°47	21°12	21°32	2° 2	n.a.	T 3
W 4	0 26 32	4°58'27	14° 2	27° 1	24°11	23° 1	29° 6	2°11	4°53	22°57	7°49	21° 7	21°29	2° 8	n.a.	W 4
T 5	0 30 28	5°58'51	27°19	28°14	25°22	23° 6	29°19	2° 7	4°55	22°58	7°51	20°59	21°26	2°15	n.a.	T 5
F 6	0 34 25	6°59'16	11♍ 2	29°26	26°33	23°12	29°32	2° 3	4°58	22°59	7°53	20°49	21°23	2°22	n.a.	F 6
S 7	0 38 21	7°59'43	25°10	0♏35	27°44	23°18	29°45	1°58	5° 0	22°59	7°55	20°37	21°20	2°28	n.a.	S 7
S 8	0 42 18	9° 0'12	9♎38	1°42	28°56	23°26	29°58	1°54	5° 2	23° 0	7°58	20°25	21°17	2°35	n.a.	S 8
M 9	0 46 15	10° 0'42	24°19	2°47	0♍ 7	23°34	0♎12	1°50	5° 4	23° 1	8° 0	20°15	21°13	2°41	n.a.	M 9
T 10	0 50 11	11° 1'15	9♏ 7	3°48	1°19	23°43	0°25	1°45	5° 6	23° 2	8° 2	20° 7	21°10	2°48	n.a.	T 10
W11	0 54 8	12° 1'49	23°51	4°47	2°30	23°52	0°38	1°41	5° 8	23° 3	8° 4	20° 2	21° 7	2°55	n.a.	W11
T 12	0 58 4	13° 2'24	8♐27	5°42	3°42	24° 2	0°51	1°36	5°10	23° 4	8° 6	19°59	21° 4	3° 1	n.a.	T 12
F 13	1 2 1	14° 3'01	22°49	6°32	4°54	24°13	1° 4	1°32	5°12	23° 5	8° 8	19°D59	21° 1	3° 8	n.a.	F 13
S 14	1 5 57	15° 3'39	6♑55	7°19	6° 6	24°24	1°17	1°27	5°14	23° 6	8°10	19°59	20°57	3°15	n.a.	S 14
S 15	1 9 54	16° 4'19	20°46	7°59	7°18	24°37	1°30	1°22	5°16	23° 7	8°13	20°R 0	20°54	3°21	n.a.	S 15
M16	1 13 50	17° 4'59	4♒21	8°34	8°31	24°49	1°43	1°17	5°18	23° 9	8°15	19°58	20°51	3°28	n.a.	M16
T 17	1 17 47	18° 5'41	17°41	9° 3	9°43	25° 3	1°56	1°13	5°19	23°10	8°17	19°54	20°48	3°35	n.a.	T 17
W18	1 21 44	19° 6'25	0♓49	9°24	10°55	25°17	2° 9	1° 8	5°21	23°11	8°19	19°48	20°45	3°41	n.a.	W18
T 19	1 25 40	20° 7'09	13°44	9°37	12° 8	25°31	2°22	1° 3	5°22	23°12	8°21	19°39	20°42	3°48	n.a.	T 19
F 20	1 29 37	21° 7'55	26°27	9°R42	13°21	25°46	2°35	0°58	5°24	23°14	8°24	19°29	20°38	3°55	n.a.	F 20
S 21	1 33 33	22° 8'41	8♈59	9°37	14°33	26° 2	2°48	0°53	5°26	23°15	8°26	19°17	20°35	4° 1	n.a.	S 21
S 22	1 37 30	23° 9'30	21°20	9°22	15°46	26°18	3° 1	0°48	5°27	23°16	8°28	19° 7	20°32	4° 8	n.a.	S 22
M23	1 41 26	24°10'19	3♉31	8°56	16°59	26°35	3°13	0°43	5°28	23°17	8°30	18°57	20°29	4°15	n.a.	M23
T 24	1 45 23	25°11'10	15°32	8°19	18°12	26°52	3°26	0°39	5°30	23°19	8°33	18°50	20°26	4°21	n.a.	T 24
W25	1 49 19	26°12'03	27°25	7°32	19°25	27°10	3°39	0°34	5°31	23°20	8°35	18°44	20°23	4°28	n.a.	W25
T 26	1 53 16	27°12'57	9♊13	6°35	20°38	27°28	3°52	0°29	5°32	23°22	8°37	18°42	20°19	4°35	n.a.	T 26
F 27	1 57 13	28°13'52	20°59	5°28	21°51	27°47	4° 4	0°24	5°33	23°23	8°40	18°D41	20°16	4°41	n.a.	F 27
S 28	2 1 9	29°14'49	2♋48	4°14	23° 4	28° 6	4°17	0°19	5°35	23°25	8°42	18°42	20°13	4°48	n.a.	S 28
S 29	2 5 6	0♏15'47	14°43	2°55	24°18	28°26	4°29	0°14	5°36	23°26	8°44	18°44	20°10	4°55	n.a.	S 29
M30	2 9 2	1°16'47	26°50	1°33	25°31	28°46	4°42	0° 9	5°37	23°28	8°47	18°R45	20° 7	5° 1	n.a.	M30
T 31	2 12 59	2♏17'48	9♌14	0♏10	26♍45	29♒ 6	4♎54	0♉ 4	5♌38	23♐29	8♏49	18♊44	20♊ 3	5♊ 8	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	0s47	24n55	1n20	11s12	2s14	15n34	0n49	17s17	3s24	1n43	1n11	10n 5	2s32	19n58	0n40	22s53	0n41	4s13	10n37	23n28	23n29	19n 5			n.a.
M 2	1 12	24 44	2 20	11 45	2 19	15 14	0 52	17 12	3 19	1 38	1 11	10 4	2 32	19 57	0 40	22 53	0 41	4 14	10 37	23 28	23 29	19 7			n.a.
T 3	1 36	23 19	3 15	12 18	2 23	14 54	0 55	17 7	3 15	1 33	1 11	10 2	2 32	19 57	0 40	22 53	0 40	4 15	10 36	23 27	23 29	19 9			n.a.
W 4	2 0	20 41	4 2	12 50	2 27	14 33	0 58	17 1	3 11	1 27	1 11	10 1	2 32	19 56	0 40	22 53	0 40	4 16	10 36	23 27	23 29	19 11			n.a.
T 5	2 24	16 53	4 37	13 20	2 31	14 12	1 1	16 56	3 7	1 22	1 11	9 59	2 32	19 56	0 40	22 53	0 40	4 17	10 36	23 27	23 28	19 13			n.a.
F 6	2 49	12 6	4 57	13 49	2 35	13 50	1 4	16 50	3 2	1 17	1 11	9 58	2 32	19 55	0 40	22 54	0 40	4 18	10 35	23 26	23 28	19 15			n.a.
S 7	3 13	6 32	5 1	14 17	2 38	13 28	1 7	16 44	2 58	1 11	1 11	9 56	2 32	19 55	0 40	22 54	0 40	4 19	10 35	23 25	23 28	19 18			n.a.
S 8	3 37	0 30	4 45	14 43	2 40	13 6	1 10	16 37	2 54	1 6	1 11	9 54	2 32	19 54	0 40	22 54	0 40	4 20	10 35	23 24	23 28	19 20			n.a.
M 9	4 1	5s40	4 11	15 8	2 42	12 43	1 13	16 31	2 50	1 1	1 12	9 53	2 33	19 54	0 40	22 54	0 40	4 21	10 35	23 23	23 27	19 22			n.a.
T 10	4 25	11 35	3 19	15 31	2 44	12 19	1 16	16 24	2 46	0 55	1 12	9 51	2 33	19 53	0 40	22 54	0 40	4 21	10 34	23 23	23 27	19 24			n.a.
W11	4 49	16 49	2 14	15 52	2 44	11 56	1 18	16 17	2 42	0 50	1 12	9 50	2 33	19 53	0 40	22 54	0 40	4 22	10 34	23 22	23 27	19 26			n.a.
T 12	5 13	21 0	1 1	16 10	2 44	11 32	1 21	16 10	2 38	0 45	1 12	9 48	2 33	19 52	0 40	22 54	0 40	4 23	10 34	23 22	23 27	19 28			n.a.
F 13	5 37	23 48	0s15	16 27	2 44	11 7	1 23	16 3	2 34	0 40	1 12	9 46	2 33	19 52	0 40	22 54	0 40	4 24	10 34	23 22	23 27	19 30			n.a.
S 14	6 0	25 3	1 29	16 41	2 42	10 43	1 25	15 55	2 31	0 34	1 12	9 45	2 33	19 51	0 40	22 54	0 40	4 25	10 33	23 22	23 26	19 32			n.a.
S 15	6 24	24 42	2 36	16 52	2 40	10 17	1 28	15 48	2 27	0 29	1 12	9 43	2 33	19 51	0 40	22 54	0 40	4 26	10 33	23 22	23 26	19 35			n.a.
M16	6 48	22 53	3 34	17 0	2 36	9 52	1 30	15 40	2 23	0 24	1 12	9 41	2 33	19 51	0 40	22 54	0 40	4 27	10 33	23 22	23 26	19 37			n.a.
T 17	7 11	19 49	4 18	17 5	2 31	9 26	1 32	15 32	2 19	0 19	1 12	9 40	2 33	19 50	0 40	22 54	0 40	4 28	10 33	23 22	23 26	19 39			n.a.
W18	7 35	15 48	4 48	17 6	2 25	9 0	1 34	15 24	2 16	0 14	1 12	9 38	2 33	19 50	0 40	22 55	0 40	4 29	10 33	23 21	23 26	19 41			n.a.
T 19	7 58	11 7	5 3	17 4	2 18	8 34	1 35	15 15	2 12	0 8	1 12	9 36	2 33	19 49	0 40	22 55	0 40	4 29	10 32	23 21	23 25	19 43			n.a.
F 20	8 21	6 2	5 2	16 57	2 9	8 7	1 37	15 7	2 9	0 3	1 12	9 35	2 33	19 49	0 40	22 55	0 40	4 30	10 32	23 20	23 25	19 45			n.a.
S 21	8 44	0 47	4 47	16 45	1 59	7 40	1 39	14 58	2 5	0s 2	1 12	9 33	2 33	19 49	0 40	22 55	0 40	4 31	10 32	23 19	23 25	19 47			n.a.
S 22	9 7	4n27	4 18	16 29	1 47	7 13	1 40	14 49	2 2	0 7	1 12	9 31	2 33	19 48	0 40	22 55	0 40	4 32	10 32	23 18	23 25	19 49			n.a.
M23	9 30	9 26	3 38	16 8	1 33	6 46	1 42	14 40	1 59	0 12	1 12	9 30	2 33	19 48	0 40	22 55	0 40	4 33	10 32	23 17	23 24	19 51			n.a.
T 24	9 52	14 1	2 49	15 41	1 18	6 18	1 43	14 31	1 55	0 17	1 12	9 28	2 33	19 48	0 40	22 55	0 40	4 34	10 32	23 17	23 24	19 53			n.a.
W25	10 15	18 1	1 52	15 10	1 1	5 50	1 44	14 22	1 52	0 22	1 12	9 26	2 33	19 48	0 40	22 55	0 40	4 35	10 31	23 16	23 24	19 55			n.a.
T 26	10 37	21 17	0 51	14 33	0 42	5 22	1 46	14 13	1 49	0 27	1 12	9 24	2 33	19 47	0 41	22 55	0 40	4 36	10 31	23 16	23 24	19 57			n.a.
F 27	10 59	23 39	0n12	13 53	0 23	4 54	1 47	14 3	1 46	0 32	1 12	9 23	2 33	19 47	0 41	22 55	0 40	4 36	10 31	23 16	23 23	19 59			n.a.
S 28	11 21	24 59	1 16	13 9	0 3	4 26	1 48	13 53	1 43	0 37	1 12	9 21	2 33	19 47	0 41	22 56	0 40	4 37	10 31	23 16	23 23	20 2			n.a.
S 29	11 43	25 11	2 16	12 22	0n18	3 57	1 48	13 44	1 40	0 42	1 12	9 19	2 33	19 47	0 41	22 56	0 40	4 38	10 31	23 16	23 23	20 4			n.a.
M30	12 4	24 12	3 12	11 34	0 38	3 28	1 49	13 34	1 37	0 47	1 12	9 18	2 33	19 46	0 41	22 56	0 40	4 39	10 31	23 16	23 23	20 6			n.a.
T 31	12s26	22n 1	3n59	10s46	0n58	2n59	1n50	13s24	1s34	0s52	1n12	9n16	2s32	19n46	0n41	22s56	0n40	4s40	10n31	23n16	23n23	20n 8			n.a.

Julian Day Number = 1548202.5, Delta T = 04h32m45s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'21, Lahiri = -10°30'20 Julian Calendar 1 Oct. 475 BCE == Greg. Calendar 26 Sept. 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

NOVEMBER 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 16 55	3♏18'50	22♌ 0	28°R51	27♍58	29♒27	5♎ 7	29°R59	5♌39	23♐31	8♏51	18°R43	20♊ 0	5♊14	n.a.	W 1
T 2	2 20 52	4°19'54	5♍13	27♎36	29°12	29°49	5°19	29♈54	5°39	23°33	8°53	18♊39	19°57	5°21	n.a.	T 2
F 3	2 24 48	5°20'59	18°54	26°29	0♎26	0♓11	5°32	29°49	5°40	23°34	8°56	18°33	19°54	5°28	n.a.	F 3
S 4	2 28 45	6°22'05	3♎ 3	25°32	1°39	0°33	5°44	29°44	5°41	23°36	8°58	18°26	19°51	5°34	n.a.	S 4
S 5	2 32 42	7°23'12	17°39	24°45	2°53	0°55	5°56	29°39	5°42	23°38	9° 0	18°20	19°48	5°41	n.a.	S 5
M 6	2 36 38	8°24'20	2♏34	24° 9	4° 7	1°18	6° 8	29°34	5°42	23°39	9° 3	18°13	19°44	5°48	n.a.	M 6
T 7	2 40 35	9°25'29	17°39	23°45	5°21	1°42	6°20	29°29	5°43	23°41	9° 5	18° 9	19°41	5°54	n.a.	T 7
W 8	2 44 31	10°26'39	2♐47	23°31	6°35	2° 6	6°33	29°24	5°43	23°43	9° 7	18° 6	19°38	6° 1	n.a.	W 8
T 9	2 48 28	11°27'50	17°46	23°D29	7°49	2°30	6°45	29°19	5°44	23°45	9°10	18°D 5	19°35	6° 8	n.a.	T 9
F 10	2 52 24	12°29'01	2♑29	23°36	9° 3	2°54	6°57	29°15	5°44	23°46	9°12	18° 6	19°32	6°14	n.a.	F 10
S 11	2 56 21	13°30'13	16°53	23°53	10°17	3°19	7° 8	29°10	5°45	23°48	9°14	18° 7	19°29	6°21	n.a.	S 11
S 12	3 0 17	14°31'25	0♒54	24°18	11°31	3°44	7°20	29° 5	5°45	23°50	9°17	18° 8	19°25	6°28	n.a.	S 12
M13	3 4 14	15°32'37	14°32	24°51	12°45	4°10	7°32	29° 0	5°45	23°52	9°19	18°R 9	19°22	6°34	n.a.	M13
T 14	3 8 11	16°33'50	27°48	25°31	13°59	4°35	7°44	28°56	5°45	23°54	9°21	18° 9	19°19	6°41	n.a.	T 14
W15	3 12 7	17°35'02	10♓46	26°16	15°13	5° 2	7°55	28°51	5°45	23°56	9°24	18° 6	19°16	6°48	n.a.	W15
T 16	3 16 4	18°36'15	23°28	27° 7	16°28	5°28	8° 7	28°47	5°46	23°58	9°26	18° 3	19°13	6°54	n.a.	T 16
F 17	3 20 0	19°37'28	5♈55	28° 3	17°42	5°55	8°18	28°42	5°R46	24° 0	9°28	17°58	19° 9	7° 1	n.a.	F 17
S 18	3 23 57	20°38'42	18°12	29° 3	18°56	6°21	8°30	28°38	5°46	24° 2	9°31	17°53	19° 6	7° 8	n.a.	S 18
S 19	3 27 53	21°39'56	0♉18	0♏ 6	20°11	6°49	8°41	28°33	5°45	24° 3	9°33	17°49	19° 3	7°14	n.a.	S 19
M20	3 31 50	22°41'10	12°18	1°13	21°25	7°16	8°52	28°29	5°45	24° 5	9°35	17°44	19° 0	7°21	n.a.	M20
T 21	3 35 46	23°42'24	24°11	2°22	22°39	7°44	9° 4	28°25	5°45	24° 7	9°37	17°41	18°57	7°27	n.a.	T 21
W22	3 39 43	24°43'38	6♊ 0	3°34	23°54	8°12	9°15	28°21	5°45	24°10	9°40	17°39	18°54	7°34	n.a.	W22
T 23	3 43 40	25°44'53	17°48	4°48	25° 8	8°40	9°26	28°16	5°44	24°12	9°42	17°D39	18°50	7°41	n.a.	T 23
F 24	3 47 36	26°46'09	29°35	6° 5	26°23	9° 8	9°37	28°12	5°44	24°14	9°44	17°39	18°47	7°47	n.a.	F 24
S 25	3 51 33	27°47'24	11♋26	7°22	27°37	9°37	9°48	28° 8	5°44	24°16	9°47	17°41	18°44	7°54	n.a.	S 25
S 26	3 55 29	28°48'40	23°24	8°41	28°52	10° 6	9°58	28° 4	5°43	24°18	9°49	17°42	18°41	8° 1	n.a.	S 26
M27	3 59 26	29°49'56	5♌32	10° 2	0♏ 6	10°35	10° 9	28° 1	5°43	24°20	9°51	17°44	18°38	8° 7	n.a.	M27
T 28	4 3 22	0♐51'12	17°55	11°24	1°21	11° 4	10°20	27°57	5°42	24°22	9°53	17°45	18°35	8°14	n.a.	T 28
W29	4 7 19	1°52'29	0♍37	12°46	2°36	11°34	10°30	27°53	5°41	24°24	9°55	17°R45	18°31	8°21	n.a.	W29
T 30	4 11 16	2♐53'46	13♍42	14♏10	3♏50	12♓ 4	10♎41	27♈49	5♌41	24♐26	9♏58	17♊45	18♊28	8♊27	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s47	18n43	4n37	10s 0	1n17	2n30	1n51	13s14	1s31	0s57	1n12	9n14	2s32	19n46	0n41	22s56	0n40	4s41	10n30	23n16	23n22	20n10		n.a.
T 2	13 8	14 23	5 1	9 17	1 35	2 1	1 51	13 3	1 28	1 2	1 12	9 12	2 32	19 46	0 41	22 56	0 40	4 41	10 30	23 16	23 22	20 12		n.a.
F 3	13 29	9 11	5 10	8 38	1 50	1 32	1 52	12 53	1 25	1 7	1 12	9 11	2 32	19 46	0 41	22 56	0 40	4 42	10 30	23 15	23 22	20 14		n.a.
S 4	13 49	3 21	5 0	8 5	2 4	1 2	1 52	12 42	1 22	1 12	1 13	9 9	2 32	19 45	0 41	22 56	0 39	4 43	10 30	23 15	23 22	20 16		n.a.
S 5	14 9	2s51	4 30	7 37	2 15	0 33	1 52	12 32	1 20	1 17	1 13	9 7	2 32	19 45	0 41	22 56	0 39	4 44	10 30	23 14	23 21	20 18		n.a.
M 6	14 29	9 3	3 42	7 15	2 25	0 3	1 52	12 21	1 17	1 22	1 13	9 6	2 32	19 45	0 41	22 57	0 39	4 45	10 30	23 13	23 21	20 20		n.a.
T 7	14 49	14 48	2 38	6 59	2 32	0s26	1 52	12 10	1 14	1 26	1 13	9 4	2 32	19 45	0 41	22 57	0 39	4 46	10 30	23 13	23 21	20 22		n.a.
W 8	15 9	19 38	1 23	6 49	2 37	0 56	1 52	11 59	1 12	1 31	1 13	9 3	2 32	19 45	0 41	22 57	0 39	4 46	10 30	23 13	23 21	20 24		n.a.
T 9	15 28	23 9	0 2	6 45	2 41	1 25	1 52	11 48	1 9	1 36	1 13	9 1	2 32	19 45	0 41	22 57	0 39	4 47	10 30	23 13	23 20	20 26		n.a.
F 10	15 47	25 2	1s18	6 46	2 43	1 55	1 52	11 37	1 7	1 40	1 13	8 59	2 31	19 45	0 41	22 57	0 39	4 48	10 30	23 13	23 20	20 28		n.a.
S 11	16 6	25 10	2 31	6 52	2 43	2 25	1 52	11 25	1 4	1 45	1 13	8 58	2 31	19 45	0 41	22 57	0 39	4 49	10 29	23 13	23 20	20 30		n.a.
S 12	16 24	23 41	3 33	7 2	2 42	2 54	1 51	11 14	1 2	1 50	1 13	8 56	2 31	19 45	0 41	22 57	0 39	4 49	10 29	23 13	23 20	20 32		n.a.
M13	16 43	20 50	4 21	7 16	2 41	3 24	1 51	11 2	1 0	1 54	1 13	8 55	2 31	19 45	0 41	22 57	0 39	4 50	10 29	23 13	23 19	20 34		n.a.
T 14	17 0	16 58	4 54	7 33	2 38	3 54	1 51	10 50	0 57	1 59	1 13	8 53	2 31	19 45	0 41	22 57	0 39	4 51	10 29	23 13	23 19	20 36		n.a.
W15	17 18	12 24	5 11	7 53	2 34	4 23	1 50	10 39	0 55	2 4	1 13	8 52	2 31	19 45	0 41	22 58	0 39	4 52	10 29	23 13	23 19	20 38		n.a.
T 16	17 35	7 23	5 12	8 16	2 30	4 53	1 49	10 27	0 53	2 8	1 14	8 50	2 31	19 45	0 41	22 58	0 39	4 52	10 29	23 12	23 18	20 40		n.a.
F 17	17 52	2 10	4 58	8 40	2 25	5 22	1 49	10 15	0 51	2 13	1 14	8 49	2 30	19 45	0 41	22 58	0 39	4 53	10 29	23 12	23 18	20 42		n.a.
S 18	18 9	3n 3	4 31	9 7	2 19	5 51	1 48	10 3	0 48	2 17	1 14	8 47	2 30	19 45	0 42	22 58	0 39	4 54	10 29	23 12	23 18	20 44		n.a.
S 19	18 25	8 7	3 52	9 35	2 13	6 20	1 47	9 50	0 46	2 21	1 14	8 46	2 30	19 45	0 42	22 58	0 39	4 55	10 29	23 11	23 18	20 46		n.a.
M20	18 41	12 50	3 3	10 4	2 7	6 50	1 46	9 38	0 44	2 26	1 14	8 45	2 30	19 45	0 42	22 58	0 39	4 55	10 29	23 11	23 17	20 48		n.a.
T 21	18 57	17 2	2 6	10 35	2 0	7 18	1 45	9 26	0 42	2 30	1 14	8 43	2 30	19 45	0 42	22 58	0 39	4 56	10 29	23 10	23 17	20 50		n.a.
W22	19 12	20 33	1 4	11 6	1 53	7 47	1 44	9 13	0 40	2 35	1 14	8 42	2 30	19 45	0 42	22 58	0 39	4 57	10 29	23 10	23 17	20 52		n.a.
T 23	19 27	23 12	0n 1	11 38	1 46	8 16	1 42	9 1	0 38	2 39	1 14	8 41	2 29	19 45	0 42	22 58	0 39	4 57	10 29	23 10	23 17	20 54		n.a.
F 24	19 41	24 51	1 6	12 10	1 39	8 44	1 41	8 48	0 36	2 43	1 14	8 39	2 29	19 46	0 42	22 59	0 39	4 58	10 29	23 10	23 16	20 55		n.a.
S 25	19 56	25 23	2 8	12 43	1 31	9 13	1 40	8 35	0 34	2 47	1 15	8 38	2 29	19 46	0 42	22 59	0 39	4 59	10 29	23 10	23 16	20 57		n.a.
S 26	20 9	24 44	3 5	13 16	1 24	9 41	1 38	8 23	0 32	2 51	1 15	8 37	2 29	19 46	0 42	22 59	0 39	4 59	10 29	23 11	23 16	20 59		n.a.
M27	20 23	22 56	3 55	13 49	1 16	10 9	1 37	8 10	0 30	2 56	1 15	8 36	2 28	19 46	0 42	22 59	0 39	5 0	10 29	23 11	23 16	21 1		n.a.
T 28	20 36	20 1	4 35	14 22	1 8	10 36	1 35	7 57	0 29	3 0	1 15	8 35	2 28	19 46	0 42	22 59	0 39	5 1	10 29	23 11	23 15	21 3		n.a.
W29	20 48	16 7	5 3	14 55	1 1	11 4	1 34	7 44	0 27	3 4	1 15	8 33	2 28	19 46	0 42	22 59	0 39	5 1	10 29	23 11	23 15	21 5		n.a.
T 30	21s 1	11n21	5n16	15s27	0n53	11s31	1n32	7s31	0s25	3s 8	1n15	8n32	2s28	19n47	0n42	22s59	0n39	5s 2	10n29	23n11	23n15	21n 7		n.a.

Julian Day Number = 1548233.5, Delta T = 04h32m44s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'17, Lahiri = -10°30'16 Julian Calendar 1 Nov. 475 BCE == Greg. Calendar 27 Oct. 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 475 BCE
geocentric

DECEMBER 475 BCE (-474) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 15 12	3♐55'02	27♍13	15♏35	5♏ 5	12♓34	10♎51	27°R46	5°R40	24♐28	10♏ 0	17°R44	18♊25	8♊34	n.a.	F 1
S 2	4 19 9	4°56'19	11♎11	17° 0	6°20	13° 4	11° 1	27♈42	5♌39	24°31	10° 2	17♊43	18°22	8°41	n.a.	S 2
S 3	4 23 5	5°57'37	25°37	18°26	7°34	13°34	11°11	27°39	5°38	24°33	10° 4	17°41	18°19	8°47	n.a.	S 3
M 4	4 27 2	6°58'54	10♏26	19°53	8°49	14° 5	11°21	27°36	5°37	24°35	10° 6	17°40	18°15	8°54	n.a.	M 4
T 5	4 30 58	8° 0'11	25°32	21°21	10° 4	14°35	11°31	27°33	5°36	24°37	10° 8	17°39	18°12	9° 1	n.a.	T 5
W 6	4 34 55	9° 1'28	10♐46	22°49	11°18	15° 6	11°41	27°30	5°35	24°39	10°10	17°D38	18° 9	9° 7	n.a.	W 6
T 7	4 38 51	10° 2'45	25°58	24°18	12°33	15°37	11°51	27°27	5°34	24°42	10°13	17°38	18° 6	9°14	n.a.	T 7
F 8	4 42 48	11° 4'01	10♑59	25°47	13°48	16° 8	12° 1	27°24	5°33	24°44	10°15	17°39	18° 3	9°20	n.a.	F 8
S 9	4 46 45	12° 5'17	25°41	27°16	15° 3	16°40	12°10	27°21	5°32	24°46	10°17	17°39	18° 0	9°27	n.a.	S 9
S 10	4 50 41	13° 6'32	9♒59	28°47	16°17	17°11	12°20	27°18	5°31	24°48	10°19	17°40	17°56	9°34	n.a.	S 10
M11	4 54 38	14° 7'46	23°50	0♐17	17°32	17°43	12°29	27°16	5°29	24°51	10°21	17°40	17°53	9°40	n.a.	M11
T 12	4 58 34	15° 8'59	7♓14	1°49	18°47	18°15	12°38	27°13	5°28	24°53	10°23	17°40	17°50	9°47	n.a.	T 12
W13	5 2 31	16°10'11	20°14	3°20	20° 2	18°47	12°47	27°11	5°27	24°55	10°25	17°R40	17°47	9°54	n.a.	W13
T 14	5 6 27	17°11'23	2♈52	4°53	21°17	19°19	12°56	27° 8	5°25	24°57	10°27	17°D40	17°44	10° 0	n.a.	T 14
F 15	5 10 24	18°12'33	15°13	6°25	22°31	19°51	13° 5	27° 6	5°24	25° 0	10°29	17°40	17°40	10° 7	n.a.	F 15
S 16	5 14 20	19°13'43	27°20	7°59	23°46	20°24	13°14	27° 4	5°22	25° 2	10°31	17°40	17°37	10°14	n.a.	S 16
S 17	5 18 17	20°14'51	9♉17	9°32	25° 1	20°56	13°22	27° 2	5°21	25° 4	10°33	17°41	17°34	10°20	n.a.	S 17
M18	5 22 14	21°15'59	21° 9	11° 7	26°16	21°29	13°31	27° 0	5°19	25° 6	10°34	17°41	17°31	10°27	n.a.	M18
T 19	5 26 10	22°17'06	2♊57	12°42	27°30	22° 2	13°39	26°58	5°17	25° 9	10°36	17°41	17°28	10°34	n.a.	T 19
W20	5 30 7	23°18'12	14°44	14°17	28°45	22°34	13°47	26°57	5°16	25°11	10°38	17°R42	17°25	10°40	n.a.	W20
T 21	5 34 3	24°19'17	26°34	15°53	0♐ 0	23° 7	13°55	26°55	5°14	25°13	10°40	17°41	17°21	10°47	n.a.	T 21
F 22	5 38 0	25°20'21	8♋27	17°29	1°15	23°41	14° 3	26°54	5°12	25°15	10°42	17°41	17°18	10°54	n.a.	F 22
S 23	5 41 56	26°21'24	20°26	19° 7	2°30	24°14	14°11	26°52	5°10	25°18	10°44	17°40	17°15	11° 0	n.a.	S 23
S 24	5 45 53	27°22'27	2♌33	20°44	3°44	24°47	14°19	26°51	5° 8	25°20	10°45	17°39	17°12	11° 7	n.a.	S 24
M25	5 49 50	28°23'28	14°50	22°23	4°59	25°20	14°26	26°50	5° 7	25°22	10°47	17°37	17° 9	11°13	n.a.	M25
T 26	5 53 46	29°24'29	27°19	24° 2	6°14	25°54	14°34	26°49	5° 5	25°25	10°49	17°36	17° 6	11°20	n.a.	T 26
W27	5 57 43	0♑25'29	10♍ 4	25°41	7°29	26°28	14°41	26°48	5° 3	25°27	10°50	17°34	17° 2	11°27	n.a.	W27
T 28	6 1 39	1°26'27	23° 6	27°22	8°44	27° 1	14°48	26°48	5° 1	25°29	10°52	17°34	16°59	11°33	n.a.	T 28
F 29	6 5 36	2°27'25	6♎29	29° 3	9°58	27°35	14°55	26°47	4°59	25°31	10°54	17°D33	16°56	11°40	n.a.	F 29
S 30	6 9 32	3°28'22	20°15	0♑45	11°13	28° 9	15° 2	26°46	4°57	25°34	10°55	17°34	16°53	11°47	n.a.	S 30
S 31	6 13 29	4♑29'18	4♏23	2♑27	12♐28	28♓43	15♎ 9	26♈46	4♌54	25♐36	10♏57	17♊35	16♊50	11♊53	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s13	5n54	5n13	16s 0	0n46	11s58	1n31	7s18	0s23	3s12	1n15	8n31	2s28	19n47	0n42	22s59	0n39	5s 3	10n29	23n11	23n14	21n 9		n.a.
S 2	21 24	0s 2	4 51	16 32	0 38	12 25	1 29	7 4	0 22	3 16	1 15	8 30	2 27	19 47	0 42	22 59	0 39	5 3	10 29	23 11	23 14	21 11		n.a.
S 3	21 35	6 9	4 10	17 3	0 30	12 51	1 27	6 51	0 20	3 20	1 16	8 29	2 27	19 47	0 42	23 0	0 39	5 4	10 29	23 10	23 14	21 13		n.a.
M 4	21 46	12 6	3 12	17 35	0 23	13 17	1 25	6 38	0 18	3 23	1 16	8 28	2 27	19 48	0 42	23 0	0 39	5 4	10 30	23 10	23 14	21 15		n.a.
T 5	21 56	17 27	2 0	18 5	0 15	13 43	1 23	6 24	0 17	3 27	1 16	8 27	2 27	19 48	0 42	23 0	0 39	5 5	10 30	23 10	23 13	21 17		n.a.
W 6	22 6	21 43	0 38	18 35	0 8	14 8	1 21	6 11	0 15	3 31	1 16	8 27	2 26	19 48	0 42	23 0	0 39	5 6	10 30	23 10	23 13	21 18		n.a.
T 7	22 15	24 28	0s46	19 5	0 1	14 33	1 19	5 57	0 14	3 35	1 16	8 26	2 26	19 49	0 42	23 0	0 39	5 6	10 30	23 10	23 13	21 20		n.a.
F 8	22 24	25 23	2 6	19 33	0s 6	14 58	1 17	5 43	0 12	3 38	1 16	8 25	2 26	19 49	0 42	23 0	0 39	5 7	10 30	23 10	23 12	21 22		n.a.
S 9	22 32	24 30	3 16	20 1	0 13	15 22	1 15	5 30	0 10	3 42	1 16	8 24	2 26	19 49	0 42	23 0	0 39	5 7	10 30	23 10	23 12	21 24		n.a.
S 10	22 40	22 1	4 12	20 29	0 20	15 46	1 13	5 16	0 9	3 46	1 17	8 23	2 25	19 50	0 42	23 0	0 39	5 8	10 30	23 10	23 12	21 26		n.a.
M11	22 48	18 19	4 51	20 55	0 27	16 9	1 11	5 2	0 7	3 49	1 17	8 23	2 25	19 50	0 42	23 0	0 39	5 8	10 30	23 10	23 12	21 28		n.a.
T 12	22 55	13 48	5 13	21 21	0 34	16 32	1 8	4 48	0 6	3 53	1 17	8 22	2 25	19 50	0 42	23 1	0 39	5 9	10 30	23 10	23 11	21 30		n.a.
W13	23 1	8 47	5 18	21 45	0 40	16 55	1 6	4 34	0 5	3 56	1 17	8 21	2 24	19 51	0 43	23 1	0 39	5 9	10 30	23 10	23 11	21 32		n.a.
T 14	23 8	3 32	5 7	22 9	0 46	17 17	1 4	4 20	0 3	3 59	1 17	8 21	2 24	19 51	0 43	23 1	0 39	5 10	10 30	23 10	23 11	21 33		n.a.
F 15	23 13	1n44	4 42	22 32	0 52	17 39	1 2	4 6	0 2	4 3	1 17	8 20	2 24	19 51	0 43	23 1	0 39	5 10	10 31	23 10	23 10	21 35		n.a.
S 16	23 19	6 51	4 5	22 53	0 58	18 0	0 59	3 52	0 1	4 6	1 18	8 20	2 24	19 52	0 43	23 1	0 39	5 11	10 31	23 10	23 10	21 37		n.a.
S 17	23 23	11 39	3 18	23 14	1 4	18 21	0 57	3 38	0n 1	4 9	1 18	8 19	2 23	19 52	0 43	23 1	0 39	5 11	10 31	23 10	23 10	21 39		n.a.
M18	23 28	16 0	2 22	23 33	1 10	18 41	0 54	3 23	0 2	4 12	1 18	8 19	2 23	19 53	0 43	23 1	0 39	5 12	10 31	23 10	23 9	21 41		n.a.
T 19	23 31	19 42	1 21	23 51	1 15	19 1	0 52	3 9	0 3	4 15	1 18	8 19	2 23	19 53	0 43	23 1	0 39	5 12	10 31	23 10	23 9	21 43		n.a.
W20	23 35	22 36	0 16	24 8	1 20	19 20	0 49	2 55	0 5	4 19	1 18	8 18	2 22	19 54	0 43	23 1	0 39	5 12	10 31	23 10	23 9	21 44		n.a.
T 21	23 38	24 32	0n49	24 24	1 25	19 39	0 47	2 40	0 6	4 22	1 18	8 18	2 22	19 54	0 43	23 1	0 39	5 13	10 31	23 10	23 9	21 46		n.a.
F 22	23 40	25 21	1 53	24 38	1 29	19 57	0 44	2 26	0 7	4 25	1 19	8 18	2 22	19 54	0 43	23 1	0 39	5 13	10 32	23 10	23 8	21 48		n.a.
S 23	23 42	25 1	2 52	24 51	1 34	20 15	0 42	2 12	0 8	4 27	1 19	8 18	2 22	19 55	0 43	23 2	0 39	5 14	10 32	23 10	23 8	21 50		n.a.
S 24	23 44	23 29	3 44	25 3	1 38	20 32	0 39	1 57	0 10	4 30	1 19	8 17	2 21	19 55	0 43	23 2	0 39	5 14	10 32	23 10	23 8	21 52		n.a.
M25	23 45	20 50	4 27	25 13	1 42	20 48	0 37	1 43	0 11	4 33	1 19	8 17	2 21	19 56	0 43	23 2	0 39	5 14	10 32	23 10	23 7	21 53		n.a.
T 26	23 45	17 12	4 57	25 22	1 45	21 4	0 34	1 28	0 12	4 36	1 19	8 17	2 21	19 56	0 43	23 2	0 38	5 15	10 32	23 10	23 7	21 55		n.a.
W27	23 45	12 44	5 14	25 29	1 48	21 20	0 32	1 14	0 13	4 38	1 19	8 17	2 20	19 57	0 43	23 2	0 38	5 15	10 32	23 10	23 7	21 57		n.a.
T 28	23 45	7 35	5 15	25 35	1 51	21 34	0 29	0 59	0 14	4 41	1 20	8 17	2 20	19 58	0 43	23 2	0 38	5 15	10 33	23 10	23 6	21 59		n.a.
F 29	23 44	1 58	5 0	25 39	1 54	21 48	0 26	0 44	0 15	4 44	1 20	8 17	2 20	19 58	0 43	23 2	0 38	5 16	10 33	23 10	23 6	22 1		n.a.
S 30	23 42	3s54	4 27	25 41	1 56	22 2	0 24	0 30	0 16	4 46	1 20	8 17	2 19	19 59	0 43	23 2	0 38	5 16	10 33	23 10	23 6	22 2		n.a.
S 31	23s41	9s45	3n37	25s42	1s58	22s14	0n21	0s15	0n17	4s49	1n20	8n17	2s19	19n59	0n43	23s 2	0n38	5s16	10n33	23n10	23n 5	22n 4		n.a.

Julian Day Number = 1548263.5, Delta T = 04h32m43s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'12, Lahiri = -10°30'12 Julian Calendar 1 Dec. 475 BCE == Greg. Calendar 26 Nov. 475 BCE

The year -474 astronomical counting style corresponds to year 475 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

JANUARY 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 17 25	5♑30'14	18♏53	4♑10	13♐43	29♓17	15♎15	26°R46	4°R52	25♐38	10♏59	17♊36	16♊46	12♊ 0	n.a.	M 1
T 2	6 21 22	6°31'08	3♐42	5°54	14°58	29°51	15°22	26♈45	4♌50	25°40	11° 0	17°37	16°43	12° 7	n.a.	T 2
W 3	6 25 19	7°32'01	18°43	7°39	16°12	0♈26	15°28	26°D45	4°48	25°43	11° 2	17°R38	16°40	12°13	n.a.	W 3
T 4	6 29 15	8°32'53	3♑50	9°24	17°27	1° 0	15°34	26°45	4°46	25°45	11° 3	17°37	16°37	12°20	n.a.	T 4
F 5	6 33 12	9°33'44	18°52	11°10	18°42	1°34	15°40	26°46	4°43	25°47	11° 5	17°35	16°34	12°27	n.a.	F 5
S 6	6 37 8	10°34'33	3♒40	12°57	19°57	2° 9	15°46	26°46	4°41	25°49	11° 6	17°33	16°31	12°33	n.a.	S 6
S 7	6 41 5	11°35'20	18° 8	14°44	21°12	2°43	15°51	26°46	4°39	25°52	11° 7	17°29	16°27	12°40	n.a.	S 7
M 8	6 45 1	12°36'06	2♓11	16°32	22°26	3°18	15°57	26°47	4°36	25°54	11° 9	17°25	16°24	12°47	n.a.	M 8
T 9	6 48 58	13°36'50	15°45	18°21	23°41	3°53	16° 2	26°47	4°34	25°56	11°10	17°22	16°21	12°53	n.a.	T 9
W10	6 52 55	14°37'32	28°53	20°10	24°56	4°28	16° 7	26°48	4°32	25°58	11°11	17°20	16°18	13° 0	n.a.	W10
T 11	6 56 51	15°38'12	11♈35	22° 0	26°10	5° 2	16°12	26°49	4°29	26° 0	11°13	17°D19	16°15	13° 6	n.a.	T 11
F 12	7 0 48	16°38'51	23°57	23°50	27°25	5°37	16°17	26°50	4°27	26° 2	11°14	17°19	16°12	13°13	n.a.	F 12
S 13	7 4 44	17°39'27	6♉ 3	25°40	28°40	6°12	16°22	26°51	4°24	26° 5	11°15	17°20	16° 8	13°20	n.a.	S 13
S 14	7 8 41	18°40'02	17°57	27°30	29°55	6°47	16°26	26°52	4°22	26° 7	11°16	17°22	16° 5	13°26	n.a.	S 14
M15	7 12 37	19°40'35	29°45	29°20	1♑ 9	7°22	16°31	26°54	4°19	26° 9	11°17	17°24	16° 2	13°33	n.a.	M15
T 16	7 16 34	20°41'06	11♊31	1♒10	2°24	7°58	16°35	26°55	4°17	26°11	11°19	17°R25	15°59	13°40	n.a.	T 16
W17	7 20 30	21°41'35	23°20	3° 0	3°39	8°33	16°39	26°57	4°14	26°13	11°20	17°25	15°56	13°46	n.a.	W17
T 18	7 24 27	22°42'02	5♋13	4°48	4°53	9° 8	16°42	26°58	4°12	26°15	11°21	17°23	15°52	13°53	n.a.	T 18
F 19	7 28 24	23°42'27	17°14	6°36	6° 8	9°43	16°46	27° 0	4° 9	26°17	11°22	17°20	15°49	14° 0	n.a.	F 19
S 20	7 32 20	24°42'51	29°25	8°22	7°23	10°19	16°50	27° 2	4° 7	26°19	11°23	17°15	15°46	14° 6	n.a.	S 20
S 21	7 36 17	25°43'13	11♌47	10° 6	8°37	10°54	16°53	27° 4	4° 4	26°21	11°24	17° 8	15°43	14°13	n.a.	S 21
M22	7 40 13	26°43'33	24°20	11°48	9°52	11°30	16°56	27° 6	4° 1	26°23	11°25	17° 1	15°40	14°20	n.a.	M22
T 23	7 44 10	27°43'51	7♍ 6	13°27	11° 7	12° 5	16°59	27° 8	3°59	26°25	11°26	16°54	15°37	14°26	n.a.	T 23
W24	7 48 6	28°44'07	20° 4	15° 3	12°21	12°41	17° 2	27°10	3°56	26°27	11°26	16°47	15°33	14°33	n.a.	W24
T 25	7 52 3	29°44'22	3♎15	16°34	13°36	13°16	17° 4	27°13	3°54	26°29	11°27	16°42	15°30	14°40	n.a.	T 25
F 26	7 55 59	0♒44'35	16°41	18° 2	14°50	13°52	17° 7	27°15	3°51	26°31	11°28	16°39	15°27	14°46	n.a.	F 26
S 27	7 59 56	1°44'47	0♏22	19°24	16° 5	14°28	17° 9	27°18	3°48	26°33	11°29	16°D38	15°24	14°53	n.a.	S 27
S 28	8 3 52	2°44'57	14°18	20°40	17°20	15° 3	17°11	27°21	3°46	26°35	11°30	16°39	15°21	14°59	n.a.	S 28
M29	8 7 49	3°45'05	28°30	21°50	18°34	15°39	17°13	27°23	3°43	26°37	11°30	16°40	15°18	15° 6	n.a.	M29
T 30	8 11 46	4°45'12	12♐56	22°53	19°49	16°15	17°14	27°26	3°41	26°39	11°31	16°R41	15°14	15°13	n.a.	T 30
W31	8 15 42	5♒45'17	27♐33	23♒49	21♑ 3	16♈51	17♎16	27♈29	3♌38	26♐41	11♏32	16♊41	15♊11	15♊19	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23s38	15s13	2n32	25s40	1s59	22s26	0n18	0s 0	0n18	4s51	1n20	8n18	2s19	20n 0	0n43	23s 2	0n38	5s17	10n33	23n10	23n 5	22n 6			n.a.
T 2	23 35	19 55	1 16	25 37	2 0	22 38	0 16	0n14	0 19	4 53	1 21	8 18	2 19	20 0	0 43	23 2	0 38	5 17	10 34	23 10	23 5	22 8			n.a.
W 3	23 32	23 22	0s 6	25 33	2 1	22 49	0 13	0 29	0 20	4 56	1 21	8 18	2 18	20 1	0 43	23 3	0 38	5 17	10 34	23 10	23 5	22 9			n.a.
T 4	23 28	25 10	1 28	25 26	2 1	22 59	0 11	0 44	0 21	4 58	1 21	8 18	2 18	20 1	0 43	23 3	0 38	5 17	10 34	23 10	23 4	22 11			n.a.
F 5	23 24	25 7	2 44	25 17	2 1	23 8	0 8	0 58	0 22	5 0	1 21	8 19	2 18	20 2	0 43	23 3	0 38	5 18	10 34	23 10	23 4	22 13			n.a.
S 6	23 20	23 16	3 47	25 6	2 0	23 17	0 5	1 13	0 23	5 2	1 21	8 19	2 17	20 3	0 43	23 3	0 38	5 18	10 34	23 10	23 4	22 15			n.a.
S 7	23 14	19 56	4 35	24 54	1 59	23 25	0 3	1 28	0 24	5 4	1 22	8 20	2 17	20 3	0 43	23 3	0 38	5 18	10 35	23 9	23 3	22 16			n.a.
M 8	23 9	15 33	5 4	24 39	1 57	23 32	0 0	1 43	0 25	5 6	1 22	8 20	2 17	20 4	0 43	23 3	0 38	5 18	10 35	23 9	23 3	22 18			n.a.
T 9	23 3	10 30	5 14	24 23	1 55	23 38	0s 2	1 58	0 26	5 8	1 22	8 21	2 16	20 4	0 43	23 3	0 38	5 19	10 35	23 9	23 3	22 20			n.a.
W10	22 56	5 9	5 8	24 4	1 52	23 44	0 5	2 12	0 27	5 10	1 22	8 21	2 16	20 5	0 43	23 3	0 38	5 19	10 35	23 8	23 2	22 22			n.a.
T 11	22 49	0n15	4 47	23 43	1 49	23 49	0 8	2 27	0 28	5 11	1 22	8 22	2 16	20 6	0 43	23 3	0 38	5 19	10 35	23 8	23 2	22 23			n.a.
F 12	22 42	5 30	4 13	23 20	1 45	23 54	0 10	2 42	0 29	5 13	1 23	8 22	2 15	20 6	0 43	23 3	0 38	5 19	10 36	23 8	23 2	22 25			n.a.
S 13	22 34	10 27	3 28	22 55	1 40	23 57	0 13	2 57	0 30	5 15	1 23	8 23	2 15	20 7	0 43	23 3	0 38	5 19	10 36	23 8	23 1	22 27			n.a.
S 14	22 26	14 56	2 35	22 29	1 34	24 0	0 15	3 12	0 30	5 16	1 23	8 24	2 15	20 7	0 43	23 3	0 38	5 19	10 36	23 9	23 1	22 29			n.a.
M15	22 17	18 49	1 35	22 0	1 28	24 2	0 18	3 26	0 31	5 18	1 23	8 25	2 15	20 8	0 43	23 3	0 38	5 19	10 36	23 9	23 1	22 30			n.a.
T 16	22 8	21 56	0 32	21 29	1 22	24 4	0 20	3 41	0 32	5 19	1 24	8 25	2 14	20 9	0 43	23 3	0 38	5 20	10 37	23 9	23 0	22 32			n.a.
W17	21 59	24 7	0n32	20 57	1 14	24 5	0 22	3 56	0 33	5 20	1 24	8 26	2 14	20 9	0 43	23 4	0 38	5 20	10 37	23 9	23 0	22 34			n.a.
T 18	21 49	25 15	1 36	20 23	1 6	24 5	0 25	4 11	0 34	5 22	1 24	8 27	2 14	20 10	0 43	23 4	0 38	5 20	10 37	23 9	23 0	22 35			n.a.
F 19	21 39	25 12	2 36	19 47	0 57	24 4	0 27	4 26	0 34	5 23	1 24	8 28	2 13	20 10	0 44	23 4	0 38	5 20	10 37	23 8	22 59	22 37			n.a.
S 20	21 28	23 56	3 29	19 10	0 47	24 2	0 30	4 40	0 35	5 24	1 24	8 29	2 13	20 11	0 44	23 4	0 38	5 20	10 38	23 8	22 59	22 39			n.a.
S 21	21 17	21 31	4 13	18 32	0 37	24 0	0 32	4 55	0 36	5 25	1 25	8 30	2 13	20 12	0 44	23 4	0 38	5 20	10 38	23 7	22 59	22 40			n.a.
M22	21 5	18 4	4 46	17 53	0 26	23 57	0 34	5 10	0 37	5 26	1 25	8 31	2 12	20 12	0 44	23 4	0 38	5 20	10 38	23 7	22 58	22 42			n.a.
T 23	20 53	13 44	5 5	17 13	0 14	23 53	0 36	5 25	0 37	5 27	1 25	8 32	2 12	20 13	0 44	23 4	0 38	5 20	10 38	23 6	22 58	22 44			n.a.
W24	20 41	8 43	5 9	16 33	0 1	23 49	0 39	5 39	0 38	5 28	1 25	8 33	2 12	20 14	0 44	23 4	0 38	5 20	10 39	23 5	22 58	22 45			n.a.
T 25	20 28	3 13	4 57	15 53	0n12	23 43	0 41	5 54	0 39	5 29	1 25	8 34	2 11	20 14	0 44	23 4	0 38	5 20	10 39	23 5	22 57	22 47			n.a.
F 26	20 15	2s31	4 28	15 13	0 25	23 38	0 43	6 9	0 40	5 29	1 26	8 36	2 11	20 15	0 44	23 4	0 38	5 20	10 39	23 4	22 57	22 49			n.a.
S 27	20 2	8 15	3 44	14 34	0 40	23 31	0 45	6 23	0 40	5 30	1 26	8 37	2 11	20 16	0 44	23 4	0 38	5 20	10 39	23 4	22 56	22 50			n.a.
S 28	19 48	13 42	2 46	13 56	0 54	23 24	0 47	6 38	0 41	5 31	1 26	8 38	2 11	20 16	0 44	23 4	0 38	5 20	10 40	23 4	22 56	22 52			n.a.
M29	19 34	18 31	1 37	13 20	1 9	23 15	0 49	6 53	0 42	5 31	1 26	8 39	2 10	20 17	0 44	23 4	0 38	5 20	10 40	23 5	22 56	22 53			n.a.
T 30	19 20	22 19	0 20	12 45	1 24	23 7	0 51	7 7	0 42	5 31	1 27	8 41	2 10	20 17	0 44	23 4	0 38	5 20	10 40	23 5	22 55	22 55			n.a.
W31	19s 5	24s42	0s58	12s12	1n39	22s57	0s53	7n22	0n43	5s32	1n27	8n42	2s10	20n18	0n44	23s 4	0n38	5s20	10n40	23n 5	22n55	22n57			n.a.

Julian Day Number = 1548294.5, Delta T = 04h32m41s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'08, Lahiri = -10°30'08 Julian Calendar 1 Jan. 474 BCE == Greg. Calendar 27 Dec. 475 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

FEBRUARY 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 19 39	6♒45'20	12♉18	24♒37	22♉18	17♈27	17♎17	27♈33	3°R35	26♐43	11♏32	16°R38	15♊ 8	15♊26	n.a.	T 1
F 2	8 23 35	7°45'22	27° 2	25°16	23°33	18° 2	17°18	27°36	3♌33	26°45	11°33	16♊33	15° 5	15°33	n.a.	F 2
S 3	8 27 32	8°45'21	11♒40	25°47	24°47	18°38	17°19	27°39	3°30	26°47	11°33	16°26	15° 2	15°39	n.a.	S 3
S 4	8 31 28	9°45'18	26° 2	26° 9	26° 2	19°14	17°20	27°43	3°28	26°48	11°34	16°17	14°58	15°46	n.a.	S 4
M 5	8 35 25	10°45'13	10♓ 5	26°22	27°16	19°50	17°20	27°46	3°25	26°50	11°34	16° 8	14°55	15°53	n.a.	M 5
T 6	8 39 21	11°45'06	23°42	26°R25	28°31	20°26	17°20	27°50	3°22	26°52	11°35	15°59	14°52	15°59	n.a.	T 6
W 7	8 43 18	12°44'57	6♈54	26°21	29°45	21° 3	17°R21	27°53	3°20	26°54	11°35	15°52	14°49	16° 6	n.a.	W 7
T 8	8 47 15	13°44'45	19°41	26° 7	1♒ 0	21°39	17°20	27°57	3°17	26°55	11°36	15°47	14°46	16°13	n.a.	T 8
F 9	8 51 11	14°44'31	2♉ 6	25°45	2°14	22°15	17°20	28° 1	3°15	26°57	11°36	15°44	14°43	16°19	n.a.	F 9
S 10	8 55 8	15°44'14	14°13	25°16	3°29	22°51	17°20	28° 5	3°12	26°59	11°36	15°D43	14°39	16°26	n.a.	S 10
S 11	8 59 4	16°43'55	26° 9	24°40	4°43	23°27	17°19	28° 9	3°10	27° 0	11°36	15°44	14°36	16°32	n.a.	S 11
M12	9 3 1	17°43'34	7♊57	23°58	5°58	24° 3	17°18	28°14	3° 7	27° 2	11°37	15°44	14°33	16°39	n.a.	M12
T 13	9 6 57	18°43'11	19°44	23°11	7°12	24°40	17°17	28°18	3° 4	27° 4	11°37	15°R44	14°30	16°46	n.a.	T 13
W14	9 10 54	19°42'45	1♋35	22°20	8°26	25°16	17°16	28°22	3° 2	27° 5	11°37	15°43	14°27	16°52	n.a.	W14
T 15	9 14 50	20°42'16	13°33	21°27	9°41	25°52	17°15	28°27	3° 0	27° 7	11°37	15°39	14°24	16°59	n.a.	T 15
F 16	9 18 47	21°41'46	25°43	20°32	10°55	26°29	17°13	28°31	2°57	27° 8	11°37	15°33	14°20	17° 6	n.a.	F 16
S 17	9 22 44	22°41'13	8♌ 6	19°37	12°10	27° 5	17°11	28°36	2°55	27°10	11°37	15°24	14°17	17°12	n.a.	S 17
S 18	9 26 40	23°40'38	20°44	18°43	13°24	27°41	17°10	28°41	2°52	27°11	11°R37	15°13	14°14	17°19	n.a.	S 18
M19	9 30 37	24°40'01	3♍37	17°50	14°38	28°18	17° 7	28°45	2°50	27°13	11°37	15° 1	14°11	17°26	n.a.	M19
T 20	9 34 33	25°39'21	16°44	17° 1	15°53	28°54	17° 5	28°50	2°48	27°14	11°37	14°49	14° 8	17°32	n.a.	T 20
W21	9 38 30	26°38'40	0♎ 4	16°15	17° 7	29°30	17° 3	28°55	2°45	27°15	11°37	14°39	14° 4	17°39	n.a.	W21
T 22	9 42 26	27°37'56	13°36	15°33	18°21	0♉ 7	17° 0	29° 0	2°43	27°17	11°37	14°30	14° 1	17°46	n.a.	T 22
F 23	9 46 23	28°37'10	27°16	14°57	19°36	0°43	16°57	29° 6	2°41	27°18	11°37	14°24	13°58	17°52	n.a.	F 23
S 24	9 50 19	29°36'23	11♏ 5	14°25	20°50	1°20	16°54	29°11	2°38	27°19	11°37	14°20	13°55	17°59	n.a.	S 24
S 25	9 54 16	0♓35'34	25° 2	14° 0	22° 4	1°56	16°51	29°16	2°36	27°21	11°37	14°19	13°52	18° 6	n.a.	S 25
M26	9 58 12	1°34'43	9♐ 6	13°40	23°19	2°33	16°48	29°21	2°34	27°22	11°36	14°19	13°49	18°12	n.a.	M26
T 27	10 2 9	2°33'50	23°16	13°25	24°33	3° 9	16°44	29°27	2°32	27°23	11°36	14°19	13°45	18°19	n.a.	T 27
W28	10 6 6	3♓32'56	7♉32	13♒17	25♒47	3♉46	16♎40	29♈32	2♌30	27♐24	11♏36	14♊17	13♊42	18♊25	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s50	25s24	2s14	11s42	1n54	22s47	0s55	7n36	0n43	5s32	1n27	8n43	2s 9	20n19	0n44	23s 4	0n38	5s20	10n41	23n 4	22n55	22n58		n.a.
F 2	18 34	24 17	3 20	11 15	2 9	22 36	0 57	7 51	0 44	5 32	1 27	8 45	2 9	20 19	0 44	23 4	0 38	5 20	10 41	23 4	22 54	23 0		n.a.
S 3	18 18	21 33	4 12	10 51	2 23	22 25	0 58	8 5	0 45	5 32	1 27	8 46	2 9	20 20	0 44	23 4	0 38	5 20	10 41	23 3	22 54	23 2		n.a.
S 4	18 2	17 30	4 47	10 30	2 37	22 12	1 0	8 20	0 45	5 33	1 28	8 48	2 9	20 21	0 44	23 5	0 38	5 19	10 42	23 2	22 54	23 3		n.a.
M 5	17 46	12 34	5 4	10 14	2 50	21 59	1 2	8 34	0 46	5 33	1 28	8 49	2 8	20 21	0 44	23 5	0 38	5 19	10 42	23 1	22 53	23 5		n.a.
T 6	17 29	7 10	5 3	10 1	3 3	21 46	1 4	8 48	0 46	5 32	1 28	8 51	2 8	20 22	0 44	23 5	0 38	5 19	10 42	23 0	22 53	23 6		n.a.
W 7	17 12	1 36	4 46	9 52	3 14	21 32	1 5	9 2	0 47	5 32	1 28	8 53	2 8	20 22	0 44	23 5	0 38	5 19	10 42	23 0	22 53	23 8		n.a.
T 8	16 55	3n52	4 15	9 47	3 24	21 17	1 7	9 17	0 48	5 32	1 29	8 54	2 7	20 23	0 44	23 5	0 38	5 19	10 43	22 59	22 52	23 9		n.a.
F 9	16 37	9 3	3 32	9 47	3 32	21 2	1 8	9 31	0 48	5 32	1 29	8 56	2 7	20 24	0 44	23 5	0 38	5 19	10 43	22 59	22 52	23 11		n.a.
S 10	16 20	13 46	2 41	9 50	3 39	20 45	1 10	9 45	0 49	5 31	1 29	8 58	2 7	20 24	0 44	23 5	0 38	5 19	10 43	22 59	22 51	23 13		n.a.
S 11	16 2	17 52	1 43	9 57	3 44	20 29	1 11	9 59	0 49	5 31	1 29	8 59	2 7	20 25	0 44	23 5	0 38	5 18	10 43	22 59	22 51	23 14		n.a.
M12	15 43	21 14	0 42	10 8	3 47	20 12	1 12	10 13	0 50	5 30	1 29	9 1	2 6	20 25	0 44	23 5	0 38	5 18	10 44	22 59	22 51	23 16		n.a.
T 13	15 25	23 42	0n21	10 23	3 48	19 54	1 13	10 27	0 50	5 30	1 30	9 3	2 6	20 26	0 44	23 5	0 38	5 18	10 44	22 59	22 50	23 17		n.a.
W14	15 6	25 8	1 24	10 40	3 47	19 35	1 15	10 41	0 51	5 29	1 30	9 5	2 6	20 27	0 44	23 5	0 38	5 18	10 44	22 59	22 50	23 19		n.a.
T 15	14 47	25 25	2 23	11 0	3 45	19 16	1 16	10 55	0 51	5 29	1 30	9 7	2 6	20 27	0 44	23 5	0 38	5 18	10 45	22 58	22 50	23 20		n.a.
F 16	14 27	24 29	3 16	11 21	3 40	18 57	1 17	11 9	0 52	5 28	1 30	9 8	2 5	20 28	0 44	23 5	0 38	5 17	10 45	22 57	22 49	23 22		n.a.
S 17	14 8	22 21	4 1	11 45	3 34	18 37	1 18	11 23	0 52	5 27	1 30	9 10	2 5	20 28	0 44	23 5	0 38	5 17	10 45	22 57	22 49	23 23		n.a.
S 18	13 48	19 6	4 35	12 9	3 26	18 16	1 19	11 36	0 53	5 26	1 31	9 12	2 5	20 29	0 44	23 5	0 38	5 17	10 45	22 55	22 48	23 25		n.a.
M19	13 28	14 54	4 56	12 35	3 16	17 55	1 20	11 50	0 53	5 25	1 31	9 14	2 4	20 29	0 44	23 5	0 38	5 17	10 46	22 54	22 48	23 26		n.a.
T 20	13 8	9 55	5 2	13 0	3 5	17 34	1 21	12 4	0 54	5 24	1 31	9 16	2 4	20 30	0 44	23 5	0 38	5 16	10 46	22 53	22 48	23 28		n.a.
W21	12 48	4 25	4 51	13 25	2 53	17 12	1 21	12 17	0 54	5 23	1 31	9 18	2 4	20 30	0 44	23 5	0 38	5 16	10 46	22 51	22 47	23 29		n.a.
T 22	12 27	1s23	4 24	13 50	2 40	16 49	1 22	12 31	0 55	5 22	1 31	9 20	2 4	20 31	0 44	23 5	0 38	5 16	10 46	22 50	22 47	23 31		n.a.
F 23	12 6	7 11	3 42	14 14	2 26	16 26	1 23	12 44	0 55	5 20	1 32	9 22	2 3	20 31	0 44	23 5	0 38	5 16	10 47	22 50	22 47	23 32		n.a.
S 24	11 46	12 43	2 46	14 37	2 12	16 3	1 23	12 57	0 56	5 19	1 32	9 24	2 3	20 32	0 44	23 5	0 38	5 15	10 47	22 49	22 46	23 34		n.a.
S 25	11 24	17 39	1 40	14 59	1 57	15 39	1 24	13 11	0 56	5 18	1 32	9 27	2 3	20 32	0 43	23 5	0 38	5 15	10 47	22 49	22 46	23 35		n.a.
M26	11 3	21 39	0 28	15 19	1 42	15 15	1 24	13 24	0 56	5 16	1 32	9 29	2 3	20 33	0 43	23 5	0 38	5 15	10 47	22 49	22 45	23 37		n.a.
T 27	10 42	24 22	0s47	15 37	1 27	14 50	1 25	13 37	0 57	5 15	1 32	9 31	2 3	20 33	0 43	23 5	0 38	5 14	10 48	22 49	22 45	23 38		n.a.
W28	10s20	25s32	2s 0	15s54	1n12	14s25	1s25	13n50	0n57	5s13	1n32	9n33	2s 2	20n34	0n43	23s 5	0n38	5s14	10n48	22n49	22n45	23n40		n.a.

Julian Day Number = 1548325.5, Delta T = 04h32m40s
Ecliptic obliquity = 23°45'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'04, Lahiri = -10°30'04 Julian Calendar 1 Feb. 474 BCE == Greg. Calendar 27 Jan. 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

MARCH 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 10 2	4♓31'59	21♉51	13°D14	27♒ 2	4♉22	16°R37	29♈38	2°R27	27♐25	11°R36	14°R13	13♊39	18♊32	n.a.	T 1
F 2	10 13 59	5°31'01	6♒ 9	13♒17	28°16	4°59	16♎32	29°44	2♌25	27°27	11♏35	14♊ 7	13°36	18°39	n.a.	F 2
S 3	10 17 55	6°30'00	20°23	13°25	29°30	5°36	16°28	29°49	2°23	27°28	11°35	13°57	13°33	18°45	n.a.	S 3
S 4	10 21 52	7°28'58	4♓25	13°38	0♓44	6°12	16°24	29°55	2°21	27°29	11°34	13°45	13°30	18°52	n.a.	S 4
M 5	10 25 48	8°27'53	18°13	13°57	1°59	6°49	16°19	0♉ 1	2°19	27°30	11°34	13°33	13°26	18°59	n.a.	M 5
T 6	10 29 45	9°26'46	1♈40	14°20	3°13	7°26	16°15	0° 7	2°17	27°31	11°33	13°21	13°23	19° 5	n.a.	T 6
W 7	10 33 41	10°25'37	14°47	14°48	4°27	8° 2	16°10	0°13	2°16	27°32	11°33	13°10	13°20	19°12	n.a.	W 7
T 8	10 37 38	11°24'25	27°32	15°20	5°41	8°39	16° 5	0°19	2°14	27°33	11°32	13° 2	13°17	19°19	n.a.	T 8
F 9	10 41 35	12°23'11	9♉57	15°56	6°55	9°16	16° 0	0°25	2°12	27°34	11°32	12°56	13°14	19°25	n.a.	F 9
S 10	10 45 31	13°21'55	22° 5	16°36	8° 9	9°52	15°54	0°31	2°10	27°34	11°31	12°54	13°10	19°32	n.a.	S 10
S 11	10 49 28	14°20'37	4♊ 1	17°19	9°24	10°29	15°49	0°38	2° 8	27°35	11°30	12°52	13° 7	19°39	n.a.	S 11
M12	10 53 24	15°19'16	15°51	18° 6	10°38	11° 6	15°43	0°44	2° 7	27°36	11°30	12°52	13° 4	19°45	n.a.	M12
T 13	10 57 21	16°17'54	27°39	18°57	11°52	11°42	15°38	0°50	2° 5	27°37	11°29	12°52	13° 1	19°52	n.a.	T 13
W14	11 1 17	17°16'28	9♋31	19°51	13° 6	12°19	15°32	0°57	2° 3	27°38	11°28	12°51	12°58	19°58	n.a.	W14
T 15	11 5 14	18°15'01	21°33	20°48	14°20	12°56	15°26	1° 3	2° 2	27°38	11°28	12°47	12°55	20° 5	n.a.	T 15
F 16	11 9 10	19°13'31	3♌48	21°47	15°34	13°33	15°20	1°10	2° 0	27°39	11°27	12°41	12°51	20°12	n.a.	F 16
S 17	11 13 7	20°11'59	16°21	22°50	16°48	14°10	15°14	1°16	1°59	27°40	11°26	12°32	12°48	20°18	n.a.	S 17
S 18	11 17 4	21°10'25	29°12	23°55	18° 2	14°46	15° 7	1°23	1°57	27°40	11°25	12°21	12°45	20°25	n.a.	S 18
M19	11 21 0	22° 8'48	12♍23	25° 3	19°16	15°23	15° 1	1°30	1°56	27°41	11°24	12° 9	12°42	20°32	n.a.	M19
T 20	11 24 57	23° 7'10	25°52	26°13	20°30	16° 0	14°54	1°37	1°55	27°42	11°23	11°57	12°39	20°38	n.a.	T 20
W21	11 28 53	24° 5'30	9♎37	27°25	21°44	16°37	14°48	1°43	1°53	27°42	11°22	11°45	12°35	20°45	n.a.	W21
T 22	11 32 50	25° 3'48	23°33	28°40	22°58	17°14	14°41	1°50	1°52	27°43	11°21	11°36	12°32	20°52	n.a.	T 22
F 23	11 36 46	26° 2'04	7♏38	29°57	24°12	17°50	14°34	1°57	1°51	27°43	11°20	11°30	12°29	20°58	n.a.	F 23
S 24	11 40 43	27° 0'18	21°46	1♓16	25°26	18°27	14°27	2° 4	1°50	27°44	11°19	11°27	12°26	21° 5	n.a.	S 24
S 25	11 44 39	27°58'31	5♐56	2°38	26°40	19° 4	14°20	2°11	1°49	27°44	11°18	11°D25	12°23	21°12	n.a.	S 25
M26	11 48 36	28°56'42	20° 5	4° 1	27°54	19°41	14°13	2°18	1°47	27°44	11°17	11°25	12°20	21°18	n.a.	M26
T 27	11 52 32	29°54'52	4♉12	5°27	29° 8	20°18	14° 6	2°25	1°46	27°45	11°16	11°R25	12°16	21°25	n.a.	T 27
W28	11 56 29	0♈53'00	18°17	6°54	0♈22	20°55	13°59	2°32	1°46	27°45	11°15	11°24	12°13	21°32	n.a.	W28
T 29	12 0 26	1°51'07	2♒17	8°24	1°36	21°31	13°52	2°39	1°45	27°45	11°14	11°21	12°10	21°38	n.a.	T 29
F 30	12 4 22	2°49'12	16°12	9°55	2°50	22° 8	13°44	2°47	1°44	27°45	11°13	11°15	12° 7	21°45	n.a.	F 30
S 31	12 8 19	3♈47'16	29♒59	11♓28	4♈ 4	22♉45	13♎37	2♉54	1♌43	27♐46	11♏12	11♊ 7	12♊ 4	21♊51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	9s58	24s59	3s 5	16s 9	0n57	14s 0	1s25	14n 3	0n58	5s11	1n33	9n35	2s 2	20n34	0n43	23s 5	0n38	5s14	10n48	22n48	22n44	23n41			n.a.
F 2	9 37	22 49	3 58	16 22	0 43	13 34	1 25	14 16	0 58	5 10	1 33	9 37	2 2	20 35	0 43	23 5	0 39	5 13	10 48	22 48	22 44	23 43			n.a.
S 3	9 15	19 14	4 36	16 34	0 28	13 8	1 26	14 28	0 58	5 8	1 33	9 40	2 2	20 35	0 43	23 5	0 39	5 13	10 49	22 46	22 43	23 44			n.a.
S 4	8 52	14 36	4 57	16 43	0 15	12 41	1 26	14 41	0 59	5 6	1 33	9 42	2 1	20 36	0 43	23 5	0 39	5 13	10 49	22 45	22 43	23 46			n.a.
M 5	8 30	9 18	4 59	16 51	0 1	12 14	1 26	14 54	0 59	5 4	1 33	9 44	2 1	20 36	0 43	23 5	0 39	5 12	10 49	22 43	22 43	23 47			n.a.
T 6	8 8	3 41	4 46	16 56	0s12	11 47	1 26	15 6	0 59	5 2	1 33	9 47	2 1	20 37	0 43	23 5	0 39	5 12	10 49	22 42	22 42	23 49			n.a.
W 7	7 45	1n58	4 17	17 0	0 24	11 20	1 26	15 19	1 0	5 0	1 33	9 49	2 1	20 37	0 43	23 5	0 39	5 11	10 50	22 41	22 42	23 50			n.a.
T 8	7 23	7 23	3 35	17 2	0 36	10 52	1 25	15 31	1 0	4 58	1 34	9 51	2 1	20 37	0 43	23 5	0 39	5 11	10 50	22 40	22 42	23 51			n.a.
F 9	7 0	12 23	2 45	17 2	0 48	10 24	1 25	15 43	1 1	4 56	1 34	9 54	2 0	20 38	0 43	23 5	0 39	5 11	10 50	22 39	22 41	23 53			n.a.
S 10	6 37	16 48	1 48	17 0	0 59	9 56	1 25	15 56	1 1	4 54	1 34	9 56	2 0	20 38	0 43	23 5	0 39	5 10	10 50	22 39	22 41	23 54			n.a.
S 11	6 14	20 28	0 47	16 56	1 9	9 27	1 25	16 8	1 1	4 52	1 34	9 58	2 0	20 39	0 43	23 5	0 39	5 10	10 50	22 38	22 40	23 56			n.a.
M12	5 52	23 15	0n16	16 51	1 19	8 58	1 24	16 20	1 2	4 49	1 34	10 1	2 0	20 39	0 43	23 5	0 39	5 9	10 51	22 38	22 40	23 57			n.a.
T 13	5 28	25 1	1 18	16 44	1 28	8 29	1 24	16 31	1 2	4 47	1 34	10 3	1 59	20 39	0 43	23 5	0 39	5 9	10 51	22 38	22 39	23 58			n.a.
W14	5 5	25 40	2 16	16 35	1 37	8 0	1 23	16 43	1 2	4 45	1 34	10 6	1 59	20 40	0 43	23 5	0 39	5 9	10 51	22 38	22 39	24 0			n.a.
T 15	4 42	25 7	3 10	16 24	1 45	7 31	1 22	16 55	1 2	4 42	1 34	10 8	1 59	20 40	0 43	23 5	0 39	5 8	10 51	22 38	22 39	24 1			n.a.
F 16	4 19	23 21	3 55	16 11	1 52	7 1	1 22	17 6	1 3	4 40	1 35	10 11	1 59	20 40	0 43	23 5	0 39	5 8	10 52	22 37	22 38	24 3			n.a.
S 17	3 56	20 26	4 30	15 57	1 59	6 31	1 21	17 18	1 3	4 37	1 35	10 13	1 59	20 41	0 43	23 5	0 39	5 7	10 52	22 36	22 38	24 4			n.a.
S 18	3 33	16 28	4 53	15 41	2 5	6 1	1 20	17 29	1 3	4 35	1 35	10 16	1 59	20 41	0 43	23 5	0 39	5 7	10 52	22 34	22 37	24 5			n.a.
M19	3 9	11 37	5 1	15 23	2 11	5 31	1 19	17 41	1 4	4 32	1 35	10 18	1 58	20 41	0 43	23 5	0 39	5 6	10 52	22 33	22 37	24 7			n.a.
T 20	2 46	6 7	4 52	15 4	2 16	5 1	1 18	17 52	1 4	4 30	1 35	10 21	1 58	20 42	0 43	23 5	0 39	5 6	10 52	22 31	22 37	24 8			n.a.
W21	2 23	0 13	4 26	14 43	2 20	4 30	1 18	18 3	1 4	4 27	1 35	10 23	1 58	20 42	0 43	23 5	0 39	5 6	10 53	22 30	22 36	24 9			n.a.
T 22	1 59	5s47	3 45	14 20	2 24	4 0	1 17	18 14	1 5	4 24	1 35	10 26	1 58	20 42	0 43	23 5	0 39	5 5	10 53	22 28	22 36	24 11			n.a.
F 23	1 36	11 35	2 49	13 56	2 28	3 29	1 15	18 24	1 5	4 22	1 35	10 28	1 58	20 42	0 43	23 5	0 39	5 5	10 53	22 27	22 35	24 12			n.a.
S 24	1 12	16 48	1 42	13 30	2 30	2 58	1 14	18 35	1 5	4 19	1 35	10 31	1 57	20 43	0 43	23 5	0 39	5 4	10 53	22 27	22 35	24 13			n.a.
S 25	0 49	21 6	0 29	13 2	2 33	2 27	1 13	18 46	1 5	4 16	1 35	10 33	1 57	20 43	0 43	23 5	0 39	5 4	10 53	22 27	22 35	24 15			n.a.
M26	0 25	24 8	0s46	12 33	2 34	1 56	1 12	18 56	1 6	4 13	1 35	10 36	1 57	20 43	0 43	23 5	0 39	5 3	10 53	22 27	22 34	24 16			n.a.
T 27	0 2	25 39	1 58	12 2	2 35	1 25	1 11	19 6	1 6	4 10	1 35	10 39	1 57	20 43	0 43	23 5	0 39	5 3	10 54	22 27	22 34	24 17			n.a.
W28	0n21	25 30	3 3	11 30	2 36	0 54	1 9	19 17	1 6	4 8	1 35	10 41	1 57	20 43	0 43	23 5	0 39	5 2	10 54	22 27	22 33	24 19			n.a.
T 29	0 45	23 44	3 56	10 56	2 36	0 23	1 8	19 27	1 6	4 5	1 35	10 44	1 57	20 44	0 43	23 5	0 39	5 2	10 54	22 26	22 33	24 20			n.a.
F 30	1 8	20 33	4 35	10 20	2 35	0n 8	1 6	19 37	1 7	4 2	1 35	10 46	1 57	20 44	0 43	23 5	0 39	5 1	10 54	22 25	22 32	24 21			n.a.
S 31	1n31	16s15	4s57	9s43	2s34	0n39	1s 5	19n47	1n 7	3s59	1n35	10n49	1s56	20n44	0n43	23s 5	0n39	5s 1	10n54	22n24	22n32	24n23			n.a.

Julian Day Number = 1548353.5, Delta T = 04h32m39s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°37'00, Lahiri = -10°30'00 Julian Calendar 1 March 474 BCE == Greg. Calendar 24 Feb. 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

APRIL 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 12 15	4♈45'18	13♓36	13♓ 4	5♈18	23♉22	13°R30	3♉ 1	1°R42	27♐46	11°R10	10°R57	12♊ 1	21♊58	n.a.	S 1
M 2	12 16 12	5°43'18	27° 0	14°41	6°32	23°59	13♎22	3° 9	1♌41	27°46	11♏ 9	10♊46	11°57	22° 5	n.a.	M 2
T 3	12 20 8	6°41'16	10♈ 8	16°20	7°46	24°36	13°15	3°16	1°41	27°46	11° 8	10°35	11°54	22°11	n.a.	T 3
W 4	12 24 5	7°39'13	23° 0	18° 1	9° 0	25°13	13° 7	3°23	1°40	27°46	11° 7	10°26	11°51	22°18	n.a.	W 4
T 5	12 28 1	8°37'08	5♉35	19°44	10°14	25°50	12°59	3°31	1°40	27°46	11° 6	10°18	11°48	22°25	n.a.	T 5
F 6	12 31 58	9°35'02	17°54	21°29	11°27	26°27	12°52	3°38	1°39	27°R46	11° 4	10°14	11°45	22°31	n.a.	F 6
S 7	12 35 55	10°32'53	29°59	23°15	12°41	27° 4	12°44	3°46	1°39	27°46	11° 3	10°11	11°41	22°38	n.a.	S 7
S 8	12 39 51	11°30'43	11♊54	25° 4	13°55	27°41	12°37	3°53	1°38	27°46	11° 2	10°D11	11°38	22°45	n.a.	S 8
M 9	12 43 48	12°28'31	23°43	26°54	15° 9	28°18	12°29	4° 1	1°38	27°46	11° 0	10°11	11°35	22°51	n.a.	M 9
T 10	12 47 44	13°26'18	5♋32	28°47	16°23	28°55	12°21	4° 8	1°38	27°46	10°59	10°12	11°32	22°58	n.a.	T 10
W11	12 51 41	14°24'02	17°25	0♈41	17°37	29°32	12°14	4°16	1°37	27°46	10°57	10°R12	11°29	23° 5	n.a.	W11
T 12	12 55 37	15°21'45	29°27	2°37	18°50	0♊ 9	12° 6	4°24	1°37	27°46	10°56	10°11	11°26	23°11	n.a.	T 12
F 13	12 59 34	16°19'26	11♌44	4°35	20° 4	0°46	11°58	4°31	1°37	27°45	10°55	10° 8	11°22	23°18	n.a.	F 13
S 14	13 3 30	17°17'05	24°20	6°35	21°18	1°23	11°51	4°39	1°37	27°45	10°53	10° 3	11°19	23°25	n.a.	S 14
S 15	13 7 27	18°14'43	7♍18	8°37	22°32	2° 0	11°43	4°47	1°D37	27°45	10°52	9°56	11°16	23°31	n.a.	S 15
M16	13 11 24	19°12'19	20°40	10°40	23°45	2°37	11°36	4°54	1°37	27°45	10°50	9°48	11°13	23°38	n.a.	M16
T 17	13 15 20	20° 9'53	4♎24	12°45	24°59	3°14	11°28	5° 2	1°37	27°44	10°49	9°40	11°10	23°44	n.a.	T 17
W18	13 19 17	21° 7'26	18°28	14°51	26°13	3°51	11°21	5°10	1°37	27°44	10°47	9°32	11° 7	23°51	n.a.	W18
T 19	13 23 13	22° 4'58	2♏48	16°59	27°27	4°28	11°13	5°18	1°37	27°43	10°46	9°26	11° 3	23°58	n.a.	T 19
F 20	13 27 10	23° 2'28	17°18	19° 8	28°40	5° 5	11° 6	5°25	1°37	27°43	10°44	9°22	11° 0	24° 4	n.a.	F 20
S 21	13 31 6	23°59'57	1♐52	21°18	29°54	5°42	10°59	5°33	1°38	27°42	10°43	9°21	10°57	24°11	n.a.	S 21
S 22	13 35 3	24°57'26	16°23	23°28	1♑ 8	6°19	10°51	5°41	1°38	27°42	10°41	9°D21	10°54	24°18	n.a.	S 22
M23	13 38 59	25°54'53	0♑49	25°39	2°21	6°56	10°44	5°49	1°39	27°41	10°40	9°22	10°51	24°24	n.a.	M23
T 24	13 42 56	26°52'20	15° 5	27°51	3°35	7°33	10°37	5°57	1°39	27°41	10°38	9°23	10°47	24°31	n.a.	T 24
W25	13 46 53	27°49'46	29°10	0♑ 2	4°49	8°10	10°30	6° 4	1°39	27°40	10°37	9°R23	10°44	24°38	n.a.	W25
T 26	13 50 49	28°47'11	13♒ 3	2°14	6° 2	8°47	10°23	6°12	1°40	27°40	10°35	9°22	10°41	24°44	n.a.	T 26
F 27	13 54 46	29°44'35	26°43	4°24	7°16	9°24	10°16	6°20	1°41	27°39	10°34	9°20	10°38	24°51	n.a.	F 27
S 28	13 58 42	0♑41'58	10♓10	6°34	8°30	10° 2	10° 9	6°28	1°41	27°38	10°32	9°15	10°35	24°58	n.a.	S 28
S 29	14 2 39	1°39'20	23°23	8°43	9°43	10°39	10° 3	6°36	1°42	27°38	10°30	9°10	10°32	25° 4	n.a.	S 29
M30	14 6 35	2♑36'42	6♈23	10♑51	10♑57	11♊16	9♎56	6♑44	1♌43	27♐37	10♏29	9♊ 4	10♊28	25♊11	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	1n55	11s10	5s 2	9s 4	2s32	1n10	1s 3	19n56	1n 7	3s56	1n35	10n52	1s56	20n44	0n43	23s 5	0n39	5s 0	10n54	22n23	22n32	24n24			n.a.
M 2	2 18	5 39	4 51	8 24	2 30	1 41	1 2	20 6	1 7	3 53	1 35	10 54	1 56	20 44	0 43	23 5	0 39	5 0	10 54	22 21	22 31	24 25			n.a.
T 3	2 41	0n 2	4 24	7 43	2 27	2 12	1 0	20 15	1 7	3 50	1 35	10 57	1 56	20 44	0 43	23 5	0 39	4 59	10 54	22 20	22 31	24 26			n.a.
W 4	3 5	5 35	3 44	7 0	2 24	2 43	0 58	20 25	1 8	3 47	1 35	11 0	1 56	20 44	0 43	23 5	0 39	4 59	10 55	22 18	22 30	24 28			n.a.
T 5	3 28	10 49	2 54	6 15	2 20	3 14	0 57	20 34	1 8	3 44	1 35	11 2	1 56	20 45	0 43	23 5	0 39	4 58	10 55	22 17	22 30	24 29			n.a.
F 6	3 51	15 32	1 56	5 29	2 15	3 45	0 55	20 43	1 8	3 41	1 35	11 5	1 56	20 45	0 43	23 5	0 39	4 58	10 55	22 16	22 29	24 30			n.a.
S 7	4 14	19 32	0 54	4 42	2 10	4 16	0 53	20 52	1 8	3 38	1 35	11 8	1 55	20 45	0 42	23 5	0 39	4 57	10 55	22 16	22 29	24 31			n.a.
S 8	4 37	22 40	0n 9	3 53	2 4	4 47	0 51	21 1	1 8	3 35	1 35	11 10	1 55	20 45	0 42	23 5	0 39	4 57	10 55	22 16	22 29	24 33			n.a.
M 9	5 0	24 48	1 12	3 3	1 58	5 17	0 49	21 9	1 9	3 32	1 35	11 13	1 55	20 45	0 42	23 5	0 39	4 56	10 55	22 16	22 28	24 34			n.a.
T 10	5 22	25 50	2 12	2 12	1 52	5 48	0 47	21 18	1 9	3 29	1 35	11 16	1 55	20 45	0 42	23 5	0 39	4 56	10 55	22 16	22 28	24 35			n.a.
W11	5 45	25 41	3 6	1 19	1 44	6 18	0 45	21 26	1 9	3 26	1 35	11 18	1 55	20 45	0 42	23 5	0 39	4 55	10 55	22 16	22 27	24 36			n.a.
T 12	6 8	24 20	3 53	0 25	1 37	6 48	0 43	21 34	1 9	3 24	1 35	11 21	1 55	20 45	0 42	23 5	0 39	4 55	10 55	22 16	22 27	24 38			n.a.
F 13	6 30	21 49	4 30	0n29	1 29	7 19	0 41	21 42	1 9	3 21	1 35	11 24	1 55	20 45	0 42	23 5	0 39	4 54	10 55	22 16	22 26	24 39			n.a.
S 14	6 52	18 13	4 56	1 25	1 20	7 48	0 39	21 50	1 9	3 18	1 35	11 27	1 55	20 45	0 42	23 5	0 39	4 54	10 55	22 15	22 26	24 40			n.a.
S 15	7 15	13 40	5 7	2 22	1 11	8 18	0 37	21 58	1 10	3 15	1 34	11 29	1 54	20 45	0 42	23 5	0 39	4 54	10 56	22 14	22 25	24 41			n.a.
M16	7 37	8 21	5 2	3 20	1 2	8 48	0 35	22 6	1 10	3 12	1 34	11 32	1 54	20 45	0 42	23 5	0 39	4 53	10 56	22 13	22 25	24 42			n.a.
T 17	7 59	2 29	4 39	4 18	0 52	9 17	0 33	22 13	1 10	3 9	1 34	11 35	1 54	20 45	0 42	23 5	0 39	4 53	10 56	22 11	22 25	24 44			n.a.
W18	8 21	3s39	4 0	5 17	0 42	9 46	0 31	22 21	1 10	3 6	1 34	11 37	1 54	20 45	0 42	23 5	0 39	4 52	10 56	22 10	22 24	24 45			n.a.
T 19	8 43	9 43	3 4	6 16	0 32	10 15	0 28	22 28	1 10	3 3	1 34	11 40	1 54	20 45	0 42	23 5	0 39	4 52	10 56	22 9	22 24	24 46			n.a.
F 20	9 4	15 22	1 56	7 15	0 22	10 44	0 26	22 35	1 10	3 1	1 34	11 43	1 54	20 45	0 42	23 5	0 39	4 51	10 56	22 9	22 23	24 47			n.a.
S 21	9 26	20 9	0 40	8 14	0 11	11 13	0 24	22 42	1 11	2 58	1 34	11 45	1 54	20 44	0 42	23 5	0 39	4 51	10 56	22 9	22 23	24 48			n.a.
S 22	9 47	23 41	0s38	9 13	0 1	11 41	0 22	22 48	1 11	2 55	1 34	11 48	1 54	20 44	0 42	23 5	0 39	4 50	10 56	22 9	22 22	24 49			n.a.
M23	10 8	25 39	1 54	10 12	0n10	12 9	0 19	22 55	1 11	2 52	1 33	11 51	1 54	20 44	0 42	23 5	0 39	4 50	10 56	22 9	22 22	24 51			n.a.
T 24	10 29	25 54	3 2	11 10	0 20	12 36	0 17	23 1	1 11	2 50	1 33	11 54	1 54	20 44	0 42	23 5	0 39	4 49	10 56	22 9	22 21	24 52			n.a.
W25	10 50	24 28	3 57	12 7	0 31	13 4	0 15	23 8	1 11	2 47	1 33	11 56	1 53	20 44	0 42	23 5	0 39	4 49	10 56	22 9	22 21	24 53			n.a.
T 26	11 11	21 34	4 38	13 2	0 41	13 31	0 12	23 14	1 11	2 44	1 33	11 59	1 53	20 44	0 42	23 5	0 39	4 48	10 56	22 9	22 21	24 54			n.a.
F 27	11 32	17 30	5 3	13 57	0 51	13 58	0 10	23 20	1 11	2 42	1 33	12 2	1 53	20 44	0 42	23 5	0 39	4 48	10 56	22 8	22 20	24 55			n.a.
S 28	11 52	12 38	5 10	14 50	1 0	14 24	0 8	23 25	1 11	2 39	1 33	12 4	1 53	20 43	0 42	23 5	0 39	4 47	10 56	22 8	22 20	24 56			n.a.
S 29	12 12	7 15	5 1	15 41	1 9	14 50	0 5	23 31	1 11	2 37	1 32	12 7	1 53	20 43	0 42	23 5	0 39	4 47	10 56	22 7	22 19	24 57			n.a.
M30	12n32	1s39	4s36	16n30	1n18	15n16	0s 3	23n36	1n12	2s34	1n32	12n10	1s53	20n43	0n42	23s 5	0n39	4s47	10n56	22n 6	22n19	24n58			n.a.

Julian Day Number = 1548384.5, Delta T = 04h32m38s
Ecliptic obliquity = 23°45'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'56, Lahiri = -10°29'55 Julian Calendar 1 Apr. 474 BCE == Greg. Calendar 27 March 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

MAY 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 10 32	3♉34'02	19♈10	12♉57	12♉11	11♊53	9°R50	6♉52	1♌44	27°R36	10°R27	8°R58	10♊25	25♊18	n.a.	T 1
W 2	14 14 28	4°31'22	1♉43	15° 2	13°24	12°30	9♎43	7° 0	1°44	27♐35	10♏26	8♊53	10°22	25°24	n.a.	W 2
T 3	14 18 25	5°28'41	14° 4	17° 4	14°38	13° 7	9°37	7° 8	1°45	27°35	10°24	8°49	10°19	25°31	n.a.	T 3
F 4	14 22 22	6°25'59	26°12	19° 5	15°51	13°44	9°31	7°16	1°46	27°34	10°22	8°47	10°16	25°38	n.a.	F 4
S 5	14 26 18	7°23'16	8♊11	21° 3	17° 5	14°22	9°25	7°23	1°47	27°33	10°21	8°D46	10°12	25°44	n.a.	S 5
S 6	14 30 15	8°20'33	20° 3	22°59	18°19	14°59	9°19	7°31	1°48	27°32	10°19	8°46	10° 9	25°51	n.a.	S 6
M 7	14 34 11	9°17'48	1♋51	24°53	19°32	15°36	9°13	7°39	1°50	27°31	10°18	8°48	10° 6	25°57	n.a.	M 7
T 8	14 38 8	10°15'02	13°39	26°45	20°46	16°13	9° 7	7°47	1°51	27°30	10°16	8°49	10° 3	26° 4	n.a.	T 8
W 9	14 42 4	11°12'16	25°32	28°34	21°59	16°50	9° 2	7°55	1°52	27°29	10°14	8°51	10° 0	26°11	n.a.	W 9
T 10	14 46 1	12° 9'28	7♌34	0♊20	23°13	17°28	8°56	8° 3	1°53	27°28	10°13	8°R52	9°57	26°17	n.a.	T 10
F 11	14 49 57	13° 6'40	19°50	2° 4	24°26	18° 5	8°51	8°11	1°55	27°27	10°11	8°52	9°53	26°24	n.a.	F 11
S 12	14 53 54	14° 3'50	2♍25	3°46	25°40	18°42	8°46	8°19	1°56	27°26	10° 9	8°51	9°50	26°31	n.a.	S 12
S 13	14 57 51	15° 1'00	15°23	5°25	26°53	19°19	8°41	8°27	1°57	27°25	10° 8	8°48	9°47	26°37	n.a.	S 13
M14	15 1 47	15°58'09	28°46	7° 1	28° 7	19°57	8°36	8°35	1°59	27°24	10° 6	8°46	9°44	26°44	n.a.	M14
T 15	15 5 44	16°55'17	12♎35	8°35	29°20	20°34	8°31	8°42	2° 0	27°23	10° 5	8°43	9°41	26°51	n.a.	T 15
W16	15 9 40	17°52'24	26°48	10° 6	0♊34	21°11	8°27	8°50	2° 2	27°22	10° 3	8°40	9°38	26°57	n.a.	W16
T 17	15 13 37	18°49'31	11♏22	11°35	1°47	21°48	8°23	8°58	2° 4	27°20	10° 1	8°38	9°34	27° 4	n.a.	T 17
F 18	15 17 33	19°46'38	26°11	13° 1	3° 1	22°26	8°18	9° 6	2° 5	27°19	10° 0	8°36	9°31	27°11	n.a.	F 18
S 19	15 21 30	20°43'44	11♐ 7	14°25	4°14	23° 3	8°14	9°14	2° 7	27°18	9°58	8°D36	9°28	27°17	n.a.	S 19
S 20	15 25 26	21°40'50	26° 2	15°45	5°28	23°40	8°10	9°22	2° 9	27°17	9°57	8°37	9°25	27°24	n.a.	S 20
M21	15 29 23	22°37'56	10♑49	17° 3	6°41	24°18	8° 7	9°29	2°11	27°16	9°55	8°38	9°22	27°31	n.a.	M21
T 22	15 33 20	23°35'02	25°22	18°18	7°55	24°55	8° 3	9°37	2°12	27°14	9°54	8°39	9°18	27°37	n.a.	T 22
W23	15 37 16	24°32'08	9♒37	19°31	9° 8	25°32	8° 0	9°45	2°14	27°13	9°52	8°39	9°15	27°44	n.a.	W23
T 24	15 41 13	25°29'14	23°33	20°40	10°22	26°10	7°57	9°53	2°16	27°12	9°51	8°R40	9°12	27°51	n.a.	T 24
F 25	15 45 9	26°26'20	7♓ 8	21°47	11°35	26°47	7°53	10° 0	2°18	27°10	9°49	8°40	9° 9	27°57	n.a.	F 25
S 26	15 49 6	27°23'26	20°24	22°50	12°49	27°24	7°51	10° 8	2°20	27° 9	9°47	8°39	9° 6	28° 4	n.a.	S 26
S 27	15 53 2	28°20'32	3♈22	23°50	14° 2	28° 2	7°48	10°16	2°22	27° 8	9°46	8°38	9° 3	28°11	n.a.	S 27
M28	15 56 59	29°17'38	16° 4	24°48	15°15	28°39	7°45	10°23	2°25	27° 6	9°44	8°37	8°59	28°17	n.a.	M28
T 29	16 0 55	0♊14'45	28°33	25°41	16°29	29°16	7°43	10°31	2°27	27° 5	9°43	8°35	8°56	28°24	n.a.	T 29
W30	16 4 52	1°11'51	10♉49	26°32	17°42	29°54	7°41	10°39	2°29	27° 4	9°41	8°35	8°53	28°31	n.a.	W30
T 31	16 8 49	2♊ 8'58	22♉56	27♊19	18♊56	0♋31	7♎39	10♉46	2♌31	27♐ 2	9♏40	8♊34	8♊50	28♊37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	12n52	3n56	3s58	17n17	1n26	15n41	0s 0	23n42	1n12	2s32	1n32	12n12	1s53	20n43	0n42	23s 5	0n39	4s46	10n56	22n 5	22n18	25n 0			n.a.
W 2	13 12	9 17	3 8	18 2	1 33	16 6	0n 2	23 47	1 12	2 30	1 32	12 15	1 53	20 43	0 42	23 5	0 39	4 46	10 56	22 4	22 18	25 1			n.a.
T 3	13 31	14 11	2 11	18 45	1 40	16 31	0 4	23 52	1 12	2 27	1 32	12 18	1 53	20 42	0 42	23 5	0 39	4 45	10 55	22 4	22 17	25 2			n.a.
F 4	13 50	18 27	1 8	19 25	1 46	16 55	0 7	23 56	1 12	2 25	1 31	12 20	1 53	20 42	0 42	23 5	0 39	4 45	10 55	22 3	22 17	25 3			n.a.
S 5	14 9	21 55	0 3	20 3	1 52	17 18	0 9	24 1	1 12	2 23	1 31	12 23	1 53	20 42	0 42	23 5	0 39	4 44	10 55	22 3	22 16	25 4			n.a.
S 6	14 28	24 24	1n 2	20 39	1 57	17 42	0 12	24 5	1 12	2 21	1 31	12 26	1 53	20 42	0 42	23 5	0 39	4 44	10 55	22 3	22 16	25 5			n.a.
M 7	14 47	25 48	2 3	21 11	2 1	18 4	0 14	24 10	1 12	2 19	1 31	12 28	1 53	20 41	0 41	23 5	0 39	4 44	10 55	22 3	22 15	25 6			n.a.
T 8	15 5	26 2	3 0	21 42	2 4	18 27	0 17	24 14	1 12	2 17	1 31	12 31	1 53	20 41	0 41	23 5	0 39	4 43	10 55	22 4	22 15	25 7			n.a.
W 9	15 23	25 4	3 49	22 10	2 7	18 48	0 19	24 18	1 12	2 15	1 30	12 33	1 53	20 41	0 41	23 5	0 39	4 43	10 55	22 4	22 14	25 8			n.a.
T 10	15 41	22 57	4 29	22 35	2 9	19 10	0 21	24 21	1 12	2 13	1 30	12 36	1 53	20 40	0 41	23 5	0 39	4 42	10 55	22 4	22 14	25 9			n.a.
F 11	15 59	19 45	4 58	22 58	2 10	19 31	0 24	24 25	1 13	2 11	1 30	12 39	1 52	20 40	0 41	23 5	0 39	4 42	10 55	22 4	22 14	25 10			n.a.
S 12	16 16	15 36	5 13	23 19	2 11	19 51	0 26	24 28	1 13	2 9	1 30	12 41	1 52	20 40	0 41	23 5	0 39	4 42	10 55	22 4	22 13	25 11			n.a.
S 13	16 33	10 37	5 13	23 38	2 11	20 11	0 28	24 31	1 13	2 7	1 29	12 44	1 52	20 39	0 41	23 5	0 39	4 41	10 55	22 4	22 13	25 12			n.a.
M14	16 50	5 1	4 56	23 54	2 10	20 30	0 31	24 34	1 13	2 5	1 29	12 46	1 52	20 39	0 41	23 5	0 39	4 41	10 54	22 3	22 12	25 13			n.a.
T 15	17 7	1s 1	4 22	24 8	2 8	20 49	0 33	24 37	1 13	2 4	1 29	12 49	1 52	20 39	0 41	23 5	0 39	4 40	10 54	22 3	22 12	25 14			n.a.
W16	17 23	7 12	3 31	24 20	2 6	21 7	0 35	24 40	1 13	2 2	1 29	12 52	1 52	20 38	0 41	23 5	0 39	4 40	10 54	22 2	22 11	25 15			n.a.
T 17	17 39	13 9	2 25	24 30	2 3	21 24	0 38	24 42	1 13	2 1	1 28	12 54	1 52	20 38	0 41	23 4	0 39	4 40	10 54	22 2	22 11	25 16			n.a.
F 18	17 55	18 27	1 8	24 38	1 59	21 41	0 40	24 45	1 13	1 59	1 28	12 57	1 52	20 37	0 41	23 4	0 39	4 39	10 54	22 2	22 10	25 17			n.a.
S 19	18 10	22 38	0s14	24 44	1 55	21 58	0 42	24 47	1 13	1 58	1 28	12 59	1 52	20 37	0 41	23 4	0 39	4 39	10 54	22 2	22 10	25 18			n.a.
S 20	18 25	25 16	1 35	24 48	1 50	22 13	0 44	24 49	1 13	1 57	1 28	13 2	1 52	20 36	0 41	23 4	0 39	4 39	10 54	22 2	22 9	25 19			n.a.
M21	18 40	26 7	2 49	24 50	1 44	22 29	0 47	24 51	1 13	1 55	1 27	13 4	1 52	20 36	0 41	23 4	0 39	4 38	10 53	22 2	22 9	25 20			n.a.
T 22	18 55	25 7	3 51	24 51	1 38	22 43	0 49	24 52	1 13	1 54	1 27	13 7	1 52	20 36	0 41	23 4	0 39	4 38	10 53	22 2	22 8	25 21			n.a.
W23	19 9	22 31	4 37	24 50	1 31	22 57	0 51	24 54	1 13	1 53	1 27	13 9	1 52	20 35	0 41	23 4	0 39	4 38	10 53	22 2	22 8	25 22			n.a.
T 24	19 23	18 39	5 6	24 48	1 23	23 10	0 53	24 55	1 13	1 52	1 26	13 12	1 52	20 35	0 41	23 4	0 39	4 38	10 53	22 2	22 7	25 23			n.a.
F 25	19 37	13 53	5 17	24 44	1 15	23 23	0 55	24 56	1 13	1 51	1 26	13 14	1 52	20 34	0 41	23 4	0 39	4 37	10 53	22 2	22 7	25 24			n.a.
S 26	19 50	8 35	5 10	24 39	1 6	23 35	0 57	24 57	1 13	1 50	1 26	13 17	1 52	20 34	0 41	23 4	0 39	4 37	10 52	22 2	22 6	25 25			n.a.
S 27	20 3	3 2	4 48	24 33	0 56	23 46	0 59	24 57	1 13	1 49	1 26	13 19	1 52	20 33	0 41	23 4	0 39	4 37	10 52	22 2	22 6	25 26			n.a.
M28	20 16	2n32	4 12	24 25	0 46	23 56	1 1	24 58	1 13	1 49	1 25	13 21	1 52	20 33	0 41	23 4	0 39	4 37	10 52	22 2	22 5	25 27			n.a.
T 29	20 28	7 55	3 24	24 17	0 36	24 6	1 3	24 58	1 13	1 48	1 25	13 24	1 52	20 32	0 41	23 4	0 39	4 36	10 52	22 1	22 5	25 28			n.a.
W30	20 40	12 55	2 28	24 7	0 25	24 15	1 5	24 58	1 13	1 47	1 25	13 26	1 52	20 32	0 41	23 4	0 39	4 36	10 52	22 1	22 4	25 29			n.a.
T 31	20n52	17n22	1s26	23n56	0n13	24n24	1n 7	24n58	1n13	1s47	1n24	13n28	1s52	20n31	0n41	23s 4	0n39	4s36	10n51	22n 1	22n 4	25n30			n.a.

Julian Day Number = 1548414.5, Delta T = 04h32m36s
Ecliptic obliquity = 23°45'13, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'52, Lahiri = -10°29'51 Julian Calendar 1 May 474 BCE == Greg. Calendar 26 Apr. 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

JUNE 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 12 45	3♊ 6'05	4♊54	28♊ 2	20♊ 9	1♋ 9	7°R37	10♉54	2♏33	27°R 1	9°R39	8°D34	8♊47	28♊44	n.a.	F 1
S 2	16 16 42	4° 3'12	16°46	28°41	21°22	1°46	7♎35	11° 1	2°36	26♐59	9♏37	8♊34	8°44	28°50	n.a.	S 2
S 3	16 20 38	5° 0'19	28°35	29°17	22°36	2°24	7°34	11° 9	2°38	26°58	9°36	8°34	8°40	28°57	n.a.	S 3
M 4	16 24 35	5°57'26	10♋22	29°48	23°49	3° 1	7°33	11°16	2°41	26°56	9°34	8°34	8°37	29° 4	n.a.	M 4
T 5	16 28 31	6°54'33	22°11	0♋15	25° 3	3°39	7°31	11°24	2°43	26°55	9°33	8°34	8°34	29°10	n.a.	T 5
W 6	16 32 28	7°51'41	4♌ 5	0°38	26°16	4°16	7°31	11°31	2°46	26°53	9°32	8°35	8°31	29°17	n.a.	W 6
T 7	16 36 25	8°48'48	16° 8	0°57	27°29	4°54	7°30	11°38	2°48	26°52	9°30	8°R35	8°28	29°24	n.a.	T 7
F 8	16 40 21	9°45'55	28°24	1°11	28°43	5°31	7°29	11°46	2°51	26°50	9°29	8°35	8°24	29°30	n.a.	F 8
S 9	16 44 18	10°43'02	10♍57	1°20	29°56	6° 9	7°29	11°53	2°53	26°49	9°28	8°D35	8°21	29°37	n.a.	S 9
S 10	16 48 14	11°40'10	23°50	1°R25	1♋ 9	6°46	7°29	12° 0	2°56	26°47	9°26	8°35	8°18	29°44	n.a.	S 10
M11	16 52 11	12°37'17	7♎ 8	1°24	2°23	7°24	7°D29	12° 7	2°59	26°46	9°25	8°35	8°15	29°50	n.a.	M11
T 12	16 56 7	13°34'25	20°52	1°19	3°36	8° 2	7°29	12°15	3° 1	26°44	9°24	8°35	8°12	29°57	n.a.	T 12
W13	17 0 4	14°31'32	5♏ 2	1°10	4°49	8°39	7°29	12°22	3° 4	26°42	9°22	8°36	8° 9	0♋ 4	n.a.	W13
T 14	17 4 0	15°28'41	19°37	0°55	6° 2	9°17	7°30	12°29	3° 7	26°41	9°21	8°36	8° 5	0°10	n.a.	T 14
F 15	17 7 57	16°25'49	4♐32	0°36	7°16	9°55	7°30	12°36	3°10	26°39	9°20	8°R36	8° 2	0°17	n.a.	F 15
S 16	17 11 54	17°22'58	19°39	0°12	8°29	10°32	7°31	12°43	3°13	26°38	9°19	8°36	7°59	0°24	n.a.	S 16
S 17	17 15 50	18°20'08	4♑50	29♊45	9°42	11°10	7°32	12°50	3°16	26°36	9°18	8°36	7°56	0°30	n.a.	S 17
M18	17 19 47	19°17'19	19°56	29°13	10°55	11°48	7°34	12°57	3°19	26°35	9°17	8°35	7°53	0°37	n.a.	M18
T 19	17 23 43	20°14'30	4♒46	28°39	12° 8	12°25	7°35	13° 4	3°22	26°33	9°15	8°34	7°50	0°44	n.a.	T 19
W20	17 27 40	21°11'42	19°16	28° 1	13°22	13° 3	7°37	13°11	3°25	26°31	9°14	8°32	7°46	0°50	n.a.	W20
T 21	17 31 36	22° 8'55	3♓22	27°21	14°35	13°41	7°39	13°17	3°28	26°30	9°13	8°31	7°43	0°57	n.a.	T 21
F 22	17 35 33	23° 6'09	17° 1	26°39	15°48	14°18	7°40	13°24	3°31	26°28	9°12	8°D31	7°40	1° 4	n.a.	F 22
S 23	17 39 30	24° 3'24	0♈15	25°57	17° 1	14°56	7°43	13°31	3°34	26°26	9°11	8°31	7°37	1°10	n.a.	S 23
S 24	17 43 26	25° 0'40	13° 7	25°14	18°14	15°34	7°45	13°37	3°37	26°25	9°10	8°31	7°34	1°17	n.a.	S 24
M25	17 47 23	25°57'58	25°39	24°32	19°28	16°12	7°47	13°44	3°40	26°23	9° 9	8°32	7°30	1°24	n.a.	M25
T 26	17 51 19	26°55'16	7♉55	23°51	20°41	16°50	7°50	13°51	3°43	26°22	9° 8	8°34	7°27	1°30	n.a.	T 26
W27	17 55 16	27°52'36	20° 0	23°12	21°54	17°27	7°53	13°57	3°46	26°20	9° 7	8°35	7°24	1°37	n.a.	W27
T 28	17 59 12	28°49'57	1♊57	22°35	23° 7	18° 5	7°56	14° 3	3°50	26°18	9° 6	8°36	7°21	1°44	n.a.	T 28
F 29	18 3 9	29°47'18	13°47	22° 3	24°20	18°43	7°59	14°10	3°53	26°17	9° 6	8°R36	7°18	1°50	n.a.	F 29
S 30	18 7 5	0♋44'41	25♊35	21♊34	25♋33	19♋21	8♎ 2	14♉16	3♌56	26♐15	9♏ 5	8♊35	7♊15	1♋57	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n 3	21n 4	0s20	23n45	0n 1	24n31	1n 9	24n58	1n13	1s46	1n24	13n31	1s52	20n30	0n41	23s 4	0n39	4s36	10n51	22n 1	22n 3	25n30		n.a.
S 2	21 14	23 50	0n45	23 33	0s12	24 38	1 10	24 58	1 13	1 46	1 24	13 33	1 52	20 30	0 41	23 4	0 39	4 35	10 51	22 1	22 3	25 31		n.a.
S 3	21 25	25 34	1 49	23 20	0 25	24 44	1 12	24 57	1 13	1 46	1 24	13 35	1 52	20 29	0 41	23 4	0 39	4 35	10 51	22 1	22 2	25 32		n.a.
M 4	21 35	26 8	2 48	23 6	0 39	24 50	1 14	24 56	1 13	1 46	1 23	13 38	1 52	20 29	0 41	23 4	0 39	4 35	10 50	22 1	22 2	25 33		n.a.
T 5	21 45	25 30	3 39	22 52	0 53	24 55	1 15	24 55	1 13	1 45	1 23	13 40	1 52	20 28	0 41	23 4	0 39	4 35	10 50	22 1	22 1	25 34		n.a.
W 6	21 54	23 43	4 22	22 38	1 7	24 59	1 17	24 54	1 13	1 45	1 23	13 42	1 52	20 27	0 41	23 4	0 39	4 35	10 50	22 1	22 1	25 35		n.a.
T 7	22 4	20 52	4 54	22 23	1 22	25 2	1 18	24 53	1 13	1 45	1 22	13 45	1 52	20 27	0 41	23 4	0 39	4 35	10 50	22 1	22 0	25 36		n.a.
F 8	22 12	17 3	5 13	22 8	1 37	25 5	1 20	24 51	1 13	1 45	1 22	13 47	1 52	20 26	0 41	23 4	0 39	4 34	10 49	22 1	22 0	25 37		n.a.
S 9	22 21	12 26	5 17	21 53	1 52	25 6	1 21	24 50	1 13	1 45	1 22	13 49	1 52	20 26	0 41	23 4	0 39	4 34	10 49	22 1	21 59	25 37		n.a.
S 10	22 29	7 9	5 6	21 38	2 7	25 7	1 23	24 48	1 13	1 46	1 21	13 51	1 52	20 25	0 41	23 4	0 39	4 34	10 49	22 1	21 59	25 38		n.a.
M11	22 36	1 24	4 39	21 23	2 22	25 8	1 24	24 46	1 13	1 46	1 21	13 53	1 53	20 24	0 40	23 4	0 39	4 34	10 48	22 1	21 58	25 39		n.a.
T 12	22 44	4s37	3 55	21 8	2 37	25 7	1 25	24 43	1 13	1 46	1 21	13 56	1 53	20 24	0 40	23 4	0 39	4 34	10 48	22 1	21 58	25 40		n.a.
W13	22 51	10 37	2 56	20 53	2 51	25 6	1 26	24 41	1 13	1 47	1 21	13 58	1 53	20 23	0 40	23 4	0 39	4 34	10 48	22 2	21 57	25 41		n.a.
T 14	22 57	16 13	1 44	20 39	3 6	25 4	1 27	24 38	1 13	1 47	1 20	14 0	1 53	20 22	0 40	23 4	0 39	4 34	10 47	22 2	21 57	25 42		n.a.
F 15	23 3	20 57	0 23	20 25	3 20	25 1	1 28	24 35	1 13	1 48	1 20	14 2	1 53	20 22	0 40	23 4	0 39	4 34	10 47	22 2	21 56	25 42		n.a.
S 16	23 9	24 21	1s 1	20 12	3 33	24 58	1 29	24 32	1 13	1 48	1 20	14 4	1 53	20 21	0 40	23 4	0 39	4 34	10 47	22 2	21 56	25 43		n.a.
S 17	23 14	26 0	2 20	20 0	3 45	24 54	1 30	24 29	1 13	1 49	1 19	14 6	1 53	20 20	0 40	23 4	0 39	4 34	10 47	22 2	21 55	25 44		n.a.
M18	23 19	25 42	3 30	19 48	3 57	24 49	1 31	24 26	1 13	1 50	1 19	14 8	1 53	20 19	0 40	23 4	0 39	4 33	10 46	22 1	21 55	25 45		n.a.
T 19	23 23	23 35	4 24	19 37	4 8	24 43	1 32	24 22	1 13	1 51	1 19	14 10	1 53	20 19	0 40	23 3	0 39	4 33	10 46	22 1	21 54	25 45		n.a.
W20	23 27	19 58	4 59	19 27	4 17	24 37	1 33	24 19	1 13	1 52	1 18	14 12	1 53	20 18	0 40	23 3	0 39	4 33	10 46	22 1	21 54	25 46		n.a.
T 21	23 31	15 17	5 15	19 19	4 25	24 29	1 33	24 15	1 13	1 53	1 18	14 14	1 53	20 17	0 40	23 3	0 39	4 33	10 45	22 1	21 53	25 47		n.a.
F 22	23 34	9 59	5 13	19 11	4 31	24 21	1 34	24 11	1 13	1 54	1 18	14 16	1 53	20 17	0 40	23 3	0 39	4 33	10 45	22 1	21 53	25 48		n.a.
S 23	23 37	4 23	4 54	19 5	4 36	24 13	1 34	24 6	1 13	1 55	1 18	14 18	1 53	20 16	0 40	23 3	0 39	4 33	10 44	22 1	21 52	25 49		n.a.
S 24	23 39	1n15	4 21	19 1	4 40	24 4	1 35	24 2	1 12	1 56	1 17	14 20	1 53	20 15	0 40	23 3	0 39	4 34	10 44	22 1	21 51	25 49		n.a.
M25	23 41	6 42	3 36	18 57	4 41	23 54	1 35	23 57	1 12	1 57	1 17	14 22	1 53	20 14	0 40	23 3	0 39	4 34	10 44	22 1	21 51	25 50		n.a.
T 26	23 43	11 47	2 42	18 56	4 41	23 43	1 36	23 52	1 12	1 59	1 17	14 24	1 53	20 14	0 40	23 3	0 39	4 34	10 43	22 1	21 50	25 51		n.a.
W27	23 44	16 21	1 41	18 56	4 39	23 31	1 36	23 47	1 12	2 0	1 16	14 26	1 53	20 13	0 40	23 3	0 39	4 34	10 43	22 1	21 50	25 51		n.a.
T 28	23 45	20 13	0 37	18 57	4 36	23 19	1 36	23 42	1 12	2 2	1 16	14 28	1 54	20 12	0 40	23 3	0 39	4 34	10 43	22 2	21 49	25 52		n.a.
F 29	23 45	23 14	0n29	19 1	4 30	23 6	1 36	23 37	1 12	2 3	1 16	14 30	1 54	20 11	0 40	23 3	0 39	4 34	10 42	22 2	21 49	25 53		n.a.
S 30	23n45	25n13	1n32	19n 6	4s24	22n53	1n36	23n31	1n12	2s 5	1n15	14n31	1s54	20n10	0n40	23s 3	0n39	4s34	10n42	22n 1	21n48	25n54		n.a.

Julian Day Number = 1548445.5, Delta T = 04h32m35s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'48, Lahiri = -10°29'47 Julian Calendar 1 June 474 BCE == Greg. Calendar 27 May 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

JULY 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 11 2	1♋42'05	7♋23	21°R10	26♋46	19♋59	8♎ 6	14♉22	3♌59	26°R13	9°R 4	8°R33	7♊11	2♋ 4	n.a.	S 1
M 2	18 14 59	2°39'31	19°13	20♊51	27°59	20°37	8°10	14°29	4° 3	26♐12	9♏ 3	8♊30	7° 8	2°10	n.a.	M 2
T 3	18 18 55	3°36'57	1♌ 6	20°38	29°12	21°15	8°14	14°35	4° 6	26°10	9° 2	8°26	7° 5	2°17	n.a.	T 3
W 4	18 22 52	4°34'24	13° 5	20°31	0♌25	21°53	8°18	14°41	4°10	26° 9	9° 2	8°21	7° 2	2°24	n.a.	W 4
T 5	18 26 48	5°31'52	25°13	20°D31	1°38	22°31	8°22	14°47	4°13	26° 7	9° 1	8°17	6°59	2°30	n.a.	T 5
F 6	18 30 45	6°29'21	7♍32	20°37	2°51	23° 9	8°26	14°53	4°16	26° 5	9° 0	8°14	6°56	2°37	n.a.	F 6
S 7	18 34 41	7°26'51	20° 6	20°49	4° 4	23°47	8°31	14°59	4°20	26° 4	9° 0	8°11	6°52	2°44	n.a.	S 7
S 8	18 38 38	8°24'21	2♎57	21° 8	5°17	24°25	8°35	15° 4	4°23	26° 2	8°59	8°D10	6°49	2°50	n.a.	S 8
M 9	18 42 34	9°21'53	16° 8	21°34	6°30	25° 3	8°40	15°10	4°27	26° 1	8°58	8°10	6°46	2°57	n.a.	M 9
T 10	18 46 31	10°19'26	29°43	22° 7	7°43	25°41	8°45	15°16	4°30	25°59	8°58	8°11	6°43	3° 3	n.a.	T 10
W11	18 50 28	11°17'00	13♏43	22°47	8°56	26°19	8°50	15°21	4°34	25°58	8°57	8°12	6°40	3°10	n.a.	W11
T 12	18 54 24	12°14'35	28° 7	23°34	10° 9	26°58	8°56	15°27	4°37	25°56	8°57	8°14	6°36	3°17	n.a.	T 12
F 13	18 58 21	13°12'11	12♐54	24°27	11°22	27°36	9° 1	15°32	4°41	25°54	8°56	8°R14	6°33	3°23	n.a.	F 13
S 14	19 2 17	14° 9'49	27°58	25°26	12°35	28°14	9° 7	15°38	4°44	25°53	8°56	8°13	6°30	3°30	n.a.	S 14
S 15	19 6 14	15° 7'28	13♑11	26°32	13°47	28°52	9°12	15°43	4°48	25°51	8°56	8°10	6°27	3°37	n.a.	S 15
M16	19 10 10	16° 5'08	28°22	27°44	15° 0	29°30	9°18	15°48	4°52	25°50	8°55	8° 5	6°24	3°43	n.a.	M16
T 17	19 14 7	17° 2'50	13♒23	29° 1	16°13	0♌ 9	9°24	15°53	4°55	25°48	8°55	8° 0	6°21	3°50	n.a.	T 17
W18	19 18 3	18° 0'34	28° 5	0♋24	17°26	0°47	9°31	15°58	4°59	25°47	8°55	7°54	6°17	3°57	n.a.	W18
T 19	19 22 0	18°58'19	12♓20	1°52	18°38	1°25	9°37	16° 3	5° 3	25°46	8°54	7°49	6°14	4° 3	n.a.	T 19
F 20	19 25 57	19°56'06	26° 7	3°25	19°51	2° 3	9°43	16° 8	5° 6	25°44	8°54	7°45	6°11	4°10	n.a.	F 20
S 21	19 29 53	20°53'54	9♈25	5° 2	21° 4	2°42	9°50	16°13	5°10	25°43	8°54	7°42	6° 8	4°17	n.a.	S 21
S 22	19 33 50	21°51'45	22°17	6°43	22°16	3°20	9°57	16°18	5°14	25°41	8°54	7°D42	6° 5	4°23	n.a.	S 22
M23	19 37 46	22°49'38	4♉47	8°28	23°29	3°59	10° 4	16°23	5°17	25°40	8°53	7°42	6° 2	4°30	n.a.	M23
T 24	19 41 43	23°47'32	16°59	10°16	24°41	4°37	10°11	16°27	5°21	25°38	8°53	7°43	5°58	4°37	n.a.	T 24
W25	19 45 39	24°45'29	28°58	12° 6	25°54	5°15	10°18	16°32	5°25	25°37	8°53	7°45	5°55	4°43	n.a.	W25
T 26	19 49 36	25°43'27	10♊49	13°59	27° 7	5°54	10°25	16°36	5°28	25°36	8°53	7°R45	5°52	4°50	n.a.	T 26
F 27	19 53 32	26°41'27	22°37	15°53	28°19	6°32	10°33	16°41	5°32	25°34	8°D53	7°44	5°49	4°57	n.a.	F 27
S 28	19 57 29	27°39'30	4♋24	17°49	29°32	7°11	10°40	16°45	5°36	25°33	8°53	7°40	5°46	5° 3	n.a.	S 28
S 29	20 1 26	28°37'34	16°14	19°45	0♍44	7°49	10°48	16°49	5°40	25°32	8°53	7°35	5°42	5°10	n.a.	S 29
M30	20 5 22	29°35'40	28° 9	21°43	1°57	8°28	10°56	16°53	5°43	25°30	8°53	7°27	5°39	5°17	n.a.	M30
T 31	20 9 19	0♌33'47	10♌10	23♋40	3♍ 9	9♌ 7	11♎ 4	16♉57	5♌47	25♐29	8♏53	7♊17	5♊36	5♋23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23n45	26n 4	2n32	19n12	4s15	22n39	1n36	23n26	1n12	2s 6	1n15	14n33	1s54	20n10	0n40	23s 3	0n39	4s34	10n42	22n 1	21n48	25n54			n.a.
M 2	23 44	25 44	3 25	19 21	4 6	22 24	1 36	23 20	1 12	2 8	1 15	14 35	1 54	20 9	0 40	23 3	0 39	4 34	10 41	22 1	21 47	25 55			n.a.
T 3	23 42	24 14	4 10	19 31	3 55	22 9	1 36	23 14	1 12	2 10	1 15	14 37	1 54	20 8	0 40	23 3	0 39	4 34	10 41	22 0	21 47	25 56			n.a.
W 4	23 40	21 38	4 44	19 42	3 43	21 53	1 36	23 8	1 12	2 12	1 14	14 38	1 54	20 7	0 40	23 3	0 39	4 34	10 40	21 59	21 46	25 56			n.a.
T 5	23 38	18 4	5 5	19 55	3 30	21 36	1 35	23 1	1 12	2 14	1 14	14 40	1 54	20 6	0 40	23 3	0 39	4 35	10 40	21 59	21 46	25 57			n.a.
F 6	23 36	13 41	5 13	20 9	3 17	21 19	1 35	22 55	1 11	2 16	1 14	14 42	1 54	20 5	0 40	23 3	0 39	4 35	10 40	21 58	21 45	25 58			n.a.
S 7	23 32	8 39	5 7	20 24	3 2	21 1	1 34	22 48	1 11	2 18	1 13	14 43	1 54	20 5	0 40	23 3	0 39	4 35	10 39	21 58	21 45	25 58			n.a.
S 8	23 29	3 9	4 45	20 40	2 47	20 43	1 34	22 41	1 11	2 20	1 13	14 45	1 54	20 4	0 40	23 3	0 39	4 35	10 39	21 57	21 44	25 59			n.a.
M 9	23 25	2s38	4 7	20 57	2 32	20 24	1 33	22 34	1 11	2 22	1 13	14 46	1 55	20 3	0 40	23 3	0 39	4 35	10 38	21 57	21 43	26 0			n.a.
T 10	23 21	8 29	3 15	21 15	2 17	20 4	1 32	22 27	1 11	2 24	1 13	14 48	1 55	20 2	0 40	23 3	0 39	4 36	10 38	21 58	21 43	26 0			n.a.
W11	23 16	14 6	2 10	21 33	2 1	19 44	1 32	22 19	1 11	2 27	1 12	14 50	1 55	20 1	0 40	23 3	0 39	4 36	10 38	21 58	21 42	26 1			n.a.
T 12	23 11	19 6	0 55	21 51	1 45	19 23	1 31	22 12	1 11	2 29	1 12	14 51	1 55	20 0	0 40	23 3	0 39	4 36	10 37	21 58	21 42	26 2			n.a.
F 13	23 5	23 4	0s25	22 9	1 29	19 2	1 30	22 4	1 11	2 31	1 12	14 53	1 55	19 59	0 40	23 3	0 39	4 36	10 37	21 58	21 41	26 2			n.a.
S 14	22 59	25 30	1 46	22 27	1 13	18 40	1 29	21 56	1 11	2 34	1 11	14 54	1 55	19 59	0 40	23 3	0 39	4 37	10 36	21 58	21 41	26 3			n.a.
S 15	22 53	26 3	2 59	22 44	0 58	18 18	1 28	21 48	1 10	2 36	1 11	14 55	1 55	19 58	0 40	23 3	0 39	4 37	10 36	21 57	21 40	26 3			n.a.
M16	22 46	24 40	3 59	23 1	0 43	17 55	1 26	21 40	1 10	2 39	1 11	14 57	1 55	19 57	0 40	23 3	0 39	4 37	10 35	21 57	21 40	26 4			n.a.
T 17	22 39	21 31	4 42	23 17	0 28	17 32	1 25	21 32	1 10	2 42	1 11	14 58	1 55	19 56	0 40	23 3	0 39	4 37	10 35	21 56	21 39	26 5			n.a.
W18	22 31	17 4	5 6	23 31	0 14	17 9	1 24	21 23	1 10	2 44	1 10	15 0	1 55	19 55	0 40	23 3	0 39	4 38	10 35	21 55	21 39	26 5			n.a.
T 19	22 23	11 46	5 9	23 44	0 1	16 44	1 22	21 14	1 10	2 47	1 10	15 1	1 56	19 54	0 40	23 3	0 39	4 38	10 34	21 54	21 38	26 6			n.a.
F 20	22 15	6 3	4 55	23 55	0n12	16 20	1 21	21 6	1 10	2 50	1 10	15 2	1 56	19 53	0 40	23 3	0 38	4 38	10 34	21 53	21 37	26 6			n.a.
S 21	22 6	0 16	4 24	24 4	0 25	15 55	1 19	20 57	1 10	2 53	1 10	15 4	1 56	19 52	0 40	23 3	0 38	4 39	10 33	21 53	21 37	26 7			n.a.
S 22	21 57	5n22	3 41	24 11	0 36	15 30	1 18	20 47	1 10	2 56	1 9	15 5	1 56	19 51	0 40	23 2	0 38	4 39	10 33	21 53	21 36	26 7			n.a.
M23	21 48	10 38	2 49	24 15	0 47	15 4	1 16	20 38	1 9	2 59	1 9	15 6	1 56	19 50	0 40	23 2	0 38	4 39	10 32	21 53	21 36	26 8			n.a.
T 24	21 38	15 22	1 50	24 17	0 56	14 38	1 14	20 29	1 9	3 2	1 9	15 7	1 56	19 49	0 40	23 2	0 38	4 40	10 32	21 53	21 35	26 8			n.a.
W25	21 27	19 25	0 47	24 17	1 5	14 11	1 12	20 19	1 9	3 5	1 9	15 8	1 56	19 49	0 40	23 2	0 38	4 40	10 32	21 53	21 35	26 9			n.a.
T 26	21 17	22 38	0n17	24 14	1 13	13 44	1 11	20 9	1 9	3 8	1 8	15 10	1 56	19 48	0 40	23 2	0 38	4 41	10 31	21 53	21 34	26 10			n.a.
F 27	21 6	24 52	1 19	24 8	1 21	13 17	1 9	19 59	1 9	3 11	1 8	15 11	1 57	19 47	0 40	23 2	0 38	4 41	10 31	21 53	21 33	26 10			n.a.
S 28	20 54	25 59	2 19	23 59	1 27	12 49	1 7	19 49	1 9	3 14	1 8	15 12	1 57	19 46	0 40	23 2	0 38	4 41	10 30	21 53	21 33	26 11			n.a.
S 29	20 42	25 56	3 12	23 48	1 32	12 21	1 4	19 39	1 8	3 18	1 8	15 13	1 57	19 45	0 40	23 2	0 38	4 42	10 30	21 52	21 32	26 11			n.a.
M30	20 30	24 40	3 57	23 34	1 37	11 53	1 2	19 29	1 8	3 21	1 7	15 14	1 57	19 44	0 40	23 2	0 38	4 42	10 29	21 50	21 32	26 12			n.a.
T 31	20n18	22n17	4n32	23n18	1n40	11n25	1n 0	19n18	1n 8	3s25	1n 7	15n15	1s57	19n43	0n40	23s 2	0n38	4s43	10n29	21n49	21n31	26n12			n.a.

Julian Day Number = 1548475.5, Delta T = 04h32m34s
Ecliptic obliquity = 23°45'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'44, Lahiri = -10°29'43 Julian Calendar 1 July 474 BCE == Greg. Calendar 26 June 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

AUGUST 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 13 15	1♌31'57	22♌20	25♋38	4♍21	9♌45	11♎12	17♉ 1	5♌51	25°R28	8♏54	7°R 7	5♊33	5♋30	n.a.	W 1
T 2	20 17 12	2°30'08	4♍39	27°35	5°34	10°24	11°20	17° 5	5°55	25♐27	8°54	6♊57	5°30	5°37	n.a.	T 2
F 3	20 21 8	3°28'21	17° 8	29°33	6°46	11° 3	11°29	17° 8	5°59	25°26	8°54	6°48	5°27	5°43	n.a.	F 3
S 4	20 25 5	4°26'35	29°49	1♌30	7°58	11°41	11°37	17°12	6° 2	25°24	8°54	6°41	5°23	5°50	n.a.	S 4
S 5	20 29 1	5°24'52	12♎44	3°26	9°11	12°20	11°46	17°16	6° 6	25°23	8°55	6°36	5°20	5°57	n.a.	S 5
M 6	20 32 58	6°23'09	25°55	5°21	10°23	12°59	11°54	17°19	6°10	25°22	8°55	6°34	5°17	6° 3	n.a.	M 6
T 7	20 36 55	7°21'29	9♏24	7°15	11°35	13°38	12° 3	17°22	6°14	25°21	8°55	6°D33	5°14	6°10	n.a.	T 7
W 8	20 40 51	8°19'50	23°12	9° 9	12°47	14°16	12°12	17°26	6°17	25°20	8°56	6°34	5°11	6°17	n.a.	W 8
T 9	20 44 48	9°18'13	7♐22	11° 2	13°59	14°55	12°21	17°29	6°21	25°19	8°56	6°R34	5° 7	6°23	n.a.	T 9
F 10	20 48 44	10°16'38	21°52	12°53	15°11	15°34	12°30	17°32	6°25	25°18	8°56	6°33	5° 4	6°30	n.a.	F 10
S 11	20 52 41	11°15'04	6♑40	14°44	16°24	16°13	12°40	17°35	6°29	25°17	8°57	6°30	5° 1	6°37	n.a.	S 11
S 12	20 56 37	12°13'32	21°39	16°33	17°36	16°52	12°49	17°37	6°32	25°16	8°57	6°25	4°58	6°43	n.a.	S 12
M13	21 0 34	13°12'03	6♒41	18°22	18°47	17°31	12°59	17°40	6°36	25°15	8°58	6°17	4°55	6°50	n.a.	M13
T 14	21 4 30	14°10'35	21°38	20° 9	19°59	18°10	13° 8	17°43	6°40	25°14	8°59	6° 7	4°52	6°57	n.a.	T 14
W15	21 8 27	15° 9'09	6♓19	21°55	21°11	18°49	13°18	17°45	6°44	25°13	8°59	5°57	4°48	7° 3	n.a.	W15
T 16	21 12 24	16° 7'45	20°37	23°40	22°23	19°28	13°28	17°48	6°48	25°12	9° 0	5°47	4°45	7°10	n.a.	T 16
F 17	21 16 20	17° 6'23	4♈28	25°24	23°35	20° 7	13°38	17°50	6°51	25°11	9° 0	5°39	4°42	7°17	n.a.	F 17
S 18	21 20 17	18° 5'04	17°51	27° 7	24°47	20°46	13°48	17°52	6°55	25°10	9° 1	5°33	4°39	7°23	n.a.	S 18
S 19	21 24 13	19° 3'47	0♉46	28°50	25°58	21°25	13°58	17°54	6°59	25°10	9° 2	5°29	4°36	7°30	n.a.	S 19
M20	21 28 10	20° 2'32	13°18	0♍31	27°10	22° 4	14° 8	17°56	7° 2	25° 9	9° 3	5°28	4°33	7°37	n.a.	M20
T 21	21 32 6	21° 1'20	25°30	2°11	28°22	22°43	14°18	17°58	7° 6	25° 8	9° 3	5°D28	4°29	7°43	n.a.	T 21
W22	21 36 3	22° 0'11	7♊29	3°50	29°33	23°23	14°29	18° 0	7°10	25° 7	9° 4	5°R28	4°26	7°50	n.a.	W22
T 23	21 39 59	22°59'03	19°20	5°28	0♎45	24° 2	14°39	18° 2	7°13	25° 7	9° 5	5°27	4°23	7°57	n.a.	T 23
F 24	21 43 56	23°57'58	1♋ 7	7° 5	1°56	24°41	14°50	18° 3	7°17	25° 6	9° 6	5°24	4°20	8° 3	n.a.	F 24
S 25	21 47 53	24°56'56	12°56	8°41	3° 8	25°20	15° 0	18° 5	7°21	25° 5	9° 7	5°19	4°17	8°10	n.a.	S 25
S 26	21 51 49	25°55'55	24°50	10°17	4°19	26° 0	15°11	18° 6	7°24	25° 5	9° 8	5°11	4°13	8°17	n.a.	S 26
M27	21 55 46	26°54'57	6♌52	11°51	5°31	26°39	15°22	18° 7	7°28	25° 4	9° 9	5° 1	4°10	8°23	n.a.	M27
T 28	21 59 42	27°54'02	19° 5	13°25	6°42	27°19	15°33	18° 8	7°32	25° 4	9°10	4°48	4° 7	8°30	n.a.	T 28
W29	22 3 39	28°53'08	1♍28	14°57	7°53	27°58	15°44	18° 9	7°35	25° 3	9°11	4°34	4° 4	8°37	n.a.	W29
T 30	22 7 35	29°52'16	14° 3	16°29	9° 4	28°37	15°55	18°10	7°39	25° 3	9°12	4°20	4° 1	8°43	n.a.	T 30
F 31	22 11 32	0♍51'27	26♍49	18♍ 0	10♎16	29♌17	16♎ 6	18♉11	7♌42	25♐ 2	9♏13	4♊ 8	3♊58	8♋50	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	20n 5	18n53	4n55	22n59	1n43	10n56	0n58	19n 8	1n 8	3s28	1n 7	15n16	1s57	19n42	0n40	23s 2	0n38	4s43	10n29	21n47	21n31	26n13			n.a.
T 2	19 52	14 39	5 5	22 38	1 46	10 27	0 55	18 57	1 8	3 31	1 7	15 17	1 57	19 41	0 40	23 2	0 38	4 44	10 28	21 45	21 30	26 13			n.a.
F 3	19 38	9 44	5 0	22 15	1 47	9 57	0 53	18 46	1 8	3 35	1 6	15 18	1 58	19 40	0 40	23 2	0 38	4 44	10 28	21 44	21 30	26 14			n.a.
S 4	19 24	4 21	4 41	21 50	1 48	9 28	0 50	18 35	1 7	3 38	1 6	15 19	1 58	19 39	0 40	23 2	0 38	4 45	10 27	21 43	21 29	26 14			n.a.
S 5	19 10	1s19	4 7	21 23	1 48	8 58	0 48	18 24	1 7	3 42	1 6	15 19	1 58	19 38	0 40	23 2	0 38	4 45	10 27	21 42	21 28	26 14			n.a.
M 6	18 55	7 3	3 19	20 55	1 47	8 28	0 45	18 13	1 7	3 46	1 6	15 20	1 58	19 37	0 40	23 2	0 38	4 46	10 26	21 41	21 28	26 15			n.a.
T 7	18 40	12 36	2 20	20 24	1 46	7 58	0 42	18 1	1 7	3 49	1 5	15 21	1 58	19 36	0 40	23 2	0 38	4 46	10 26	21 41	21 27	26 15			n.a.
W 8	18 25	17 41	1 11	19 53	1 44	7 27	0 40	17 50	1 7	3 53	1 5	15 22	1 58	19 35	0 40	23 2	0 38	4 47	10 25	21 41	21 27	26 16			n.a.
T 9	18 10	21 54	0s 4	19 20	1 42	6 57	0 37	17 38	1 6	3 57	1 5	15 23	1 58	19 34	0 40	23 2	0 38	4 47	10 25	21 41	21 26	26 16			n.a.
F 10	17 54	24 51	1 21	18 45	1 40	6 26	0 34	17 26	1 6	4 1	1 5	15 23	1 59	19 33	0 40	23 2	0 38	4 48	10 25	21 41	21 25	26 17			n.a.
S 11	17 38	26 8	2 33	18 10	1 37	5 55	0 31	17 14	1 6	4 5	1 4	15 24	1 59	19 33	0 40	23 2	0 38	4 48	10 24	21 41	21 25	26 17			n.a.
S 12	17 21	25 32	3 36	17 33	1 33	5 24	0 28	17 2	1 6	4 9	1 4	15 25	1 59	19 32	0 40	23 2	0 38	4 49	10 24	21 40	21 24	26 17			n.a.
M13	17 5	23 5	4 24	16 56	1 29	4 52	0 25	16 50	1 6	4 12	1 4	15 25	1 59	19 31	0 40	23 2	0 38	4 50	10 23	21 38	21 24	26 18			n.a.
T 14	16 47	19 5	4 53	16 18	1 25	4 21	0 22	16 37	1 5	4 16	1 4	15 26	1 59	19 30	0 40	23 2	0 38	4 50	10 23	21 37	21 23	26 18			n.a.
W15	16 30	13 59	5 2	15 39	1 20	3 49	0 19	16 25	1 5	4 20	1 4	15 26	1 59	19 29	0 40	23 2	0 38	4 51	10 22	21 35	21 23	26 19			n.a.
T 16	16 13	8 14	4 53	14 59	1 15	3 18	0 16	16 12	1 5	4 25	1 3	15 27	2 0	19 28	0 40	23 2	0 38	4 51	10 22	21 33	21 22	26 19			n.a.
F 17	15 55	2 15	4 25	14 19	1 10	2 46	0 12	16 0	1 5	4 29	1 3	15 27	2 0	19 27	0 40	23 2	0 38	4 52	10 21	21 32	21 21	26 19			n.a.
S 18	15 37	3n38	3 45	13 38	1 5	2 14	0 9	15 47	1 5	4 33	1 3	15 28	2 0	19 26	0 40	23 2	0 38	4 53	10 21	21 31	21 21	26 20			n.a.
S 19	15 18	9 12	2 53	12 57	0 59	1 43	0 6	15 34	1 4	4 37	1 3	15 28	2 0	19 25	0 40	23 2	0 38	4 53	10 21	21 30	21 20	26 20			n.a.
M20	15 0	14 13	1 55	12 16	0 53	1 11	0 2	15 21	1 4	4 41	1 3	15 29	2 0	19 24	0 40	23 2	0 38	4 54	10 20	21 30	21 20	26 20			n.a.
T 21	14 41	18 32	0 53	11 34	0 47	0 39	0s 1	15 8	1 4	4 45	1 2	15 29	2 0	19 23	0 40	23 2	0 38	4 55	10 20	21 30	21 19	26 21			n.a.
W22	14 21	22 1	0n11	10 52	0 41	0 7	0 4	14 54	1 4	4 49	1 2	15 29	2 0	19 22	0 40	23 2	0 38	4 55	10 19	21 30	21 18	26 21			n.a.
T 23	14 2	24 32	1 13	10 10	0 34	0s25	0 8	14 41	1 4	4 54	1 2	15 30	2 1	19 21	0 40	23 2	0 38	4 56	10 19	21 30	21 18	26 21			n.a.
F 24	13 42	25 56	2 12	9 27	0 28	0 57	0 11	14 27	1 3	4 58	1 2	15 30	2 1	19 20	0 40	23 2	0 38	4 57	10 18	21 29	21 17	26 22			n.a.
S 25	13 23	26 11	3 4	8 45	0 21	1 29	0 15	14 14	1 3	5 2	1 2	15 30	2 1	19 19	0 40	23 2	0 38	4 57	10 18	21 28	21 17	26 22			n.a.
S 26	13 2	25 12	3 50	8 2	0 14	2 1	0 18	14 0	1 3	5 7	1 1	15 31	2 1	19 18	0 40	23 2	0 38	4 58	10 18	21 27	21 16	26 22			n.a.
M27	12 42	23 4	4 25	7 19	0 7	2 33	0 22	13 46	1 3	5 11	1 1	15 31	2 1	19 18	0 40	23 2	0 37	4 59	10 17	21 25	21 15	26 23			n.a.
T 28	12 22	19 52	4 49	6 36	0 0	3 5	0 25	13 32	1 2	5 16	1 1	15 31	2 1	19 17	0 40	23 2	0 37	4 59	10 17	21 22	21 15	26 23			n.a.
W29	12 1	15 44	4 59	5 54	0s 7	3 37	0 29	13 18	1 2	5 20	1 1	15 31	2 2	19 16	0 40	23 2	0 37	5 0	10 16	21 20	21 14	26 23			n.a.
T 30	11 40	10 53	4 56	5 11	0 14	4 9	0 33	13 4	1 2	5 25	1 1	15 31	2 2	19 15	0 40	23 2	0 37	5 1	10 16	21 17	21 14	26 23			n.a.
F 31	11n19	5n30	4n37	4n29	0s21	4s40	0s36	12n50	1n 2	5s29	1n 1	15n31	2s 2	19n14	0n40	23s 2	0n37	5s 2	10n16	21n15	21n13	26n24			n.a.

Julian Day Number = 1548506.5, Delta T = 04h32m33s
Ecliptic obliquity = 23°45'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'39, Lahiri = -10°29'39 Julian Calendar 1 Aug. 474 BCE == Greg. Calendar 27 July 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

SEPTEMBER 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 15 28	1♍50'40	9♎47	19♍30	11♎27	29♌56	16♎17	18♉12	7♌46	25°R 2	9♏14	3°R58	3♊54	8♋57	n.a.	S 1
S 2	22 19 25	2°49'54	22°56	20°59	12°38	0♍36	16°29	18°12	7°49	25♐ 1	9°16	3♊51	3°51	9° 3	n.a.	S 2
M 3	22 23 21	3°49'11	6♏16	22°27	13°49	1°16	16°40	18°13	7°53	25° 1	9°17	3°47	3°48	9°10	n.a.	M 3
T 4	22 27 18	4°48'29	19°48	23°55	15° 0	1°55	16°52	18°13	7°56	25° 1	9°18	3°45	3°45	9°17	n.a.	T 4
W 5	22 31 15	5°47'49	3♐34	25°21	16°11	2°35	17° 3	18°13	8° 0	25° 1	9°19	3°45	3°42	9°23	n.a.	W 5
T 6	22 35 11	6°47'12	17°34	26°47	17°21	3°15	17°15	18°14	8° 3	25° 0	9°21	3°45	3°39	9°30	n.a.	T 6
F 7	22 39 8	7°46'36	1♑47	28°11	18°32	3°54	17°26	18°R14	8° 7	25° 0	9°22	3°43	3°35	9°37	n.a.	F 7
S 8	22 43 4	8°46'02	16°14	29°35	19°43	4°34	17°38	18°13	8°10	25° 0	9°23	3°40	3°32	9°44	n.a.	S 8
S 9	22 47 1	9°45'30	0♒50	0♎58	20°53	5°14	17°50	18°13	8°13	25° 0	9°25	3°33	3°29	9°50	n.a.	S 9
M10	22 50 57	10°45'00	15°29	2°19	22° 4	5°54	18° 2	18°13	8°17	25° 0	9°26	3°24	3°26	9°57	n.a.	M10
T 11	22 54 54	11°44'32	0♓ 6	3°40	23°14	6°33	18°14	18°12	8°20	25° 0	9°27	3°13	3°23	10° 4	n.a.	T 11
W12	22 58 50	12°44'05	14°32	4°59	24°25	7°13	18°26	18°12	8°23	25° 0	9°29	3° 1	3°19	10°10	n.a.	W12
T 13	23 2 47	13°43'41	28°40	6°17	25°35	7°53	18°38	18°11	8°27	25°D 0	9°30	2°50	3°16	10°17	n.a.	T 13
F 14	23 6 44	14°43'19	12♈26	7°34	26°45	8°33	18°50	18°10	8°30	25° 0	9°32	2°40	3°13	10°24	n.a.	F 14
S 15	23 10 40	15°43'00	25°47	8°50	27°55	9°13	19° 2	18°10	8°33	25° 0	9°33	2°33	3°10	10°30	n.a.	S 15
S 16	23 14 37	16°42'42	8♉44	10° 4	29° 5	9°53	19°15	18° 9	8°36	25° 0	9°35	2°28	3° 7	10°37	n.a.	S 16
M17	23 18 33	17°42'28	21°17	11°16	0♏15	10°33	19°27	18° 7	8°39	25° 0	9°37	2°26	3° 4	10°44	n.a.	M17
T 18	23 22 30	18°42'15	3♊32	12°27	1°25	11°13	19°39	18° 6	8°43	25° 0	9°38	2°D25	3° 0	10°50	n.a.	T 18
W19	23 26 26	19°42'05	15°32	13°36	2°35	11°53	19°52	18° 5	8°46	25° 0	9°40	2°R25	2°57	10°57	n.a.	W19
T 20	23 30 23	20°41'57	27°24	14°43	3°45	12°34	20° 4	18° 3	8°49	25° 0	9°42	2°25	2°54	11° 4	n.a.	T 20
F 21	23 34 19	21°41'52	9♋13	15°47	4°55	13°14	20°17	18° 2	8°52	25° 1	9°43	2°24	2°51	11°10	n.a.	F 21
S 22	23 38 16	22°41'49	21° 3	16°49	6° 4	13°54	20°29	18° 0	8°55	25° 1	9°45	2°20	2°48	11°17	n.a.	S 22
S 23	23 42 12	23°41'48	3♌ 1	17°49	7°14	14°34	20°42	17°58	8°58	25° 1	9°47	2°14	2°45	11°24	n.a.	S 23
M24	23 46 9	24°41'49	15° 9	18°45	8°23	15°15	20°55	17°57	9° 1	25° 2	9°48	2° 5	2°41	11°30	n.a.	M24
T 25	23 50 6	25°41'53	27°31	19°38	9°32	15°55	21° 7	17°55	9° 4	25° 2	9°50	1°54	2°38	11°37	n.a.	T 25
W26	23 54 2	26°41'58	10♍ 8	20°27	10°41	16°35	21°20	17°52	9° 6	25° 2	9°52	1°42	2°35	11°44	n.a.	W26
T 27	23 57 59	27°42'06	23° 0	21°12	11°50	17°16	21°33	17°50	9° 9	25° 3	9°54	1°30	2°32	11°50	n.a.	T 27
F 28	0 1 55	28°42'15	6♎ 7	21°53	12°59	17°56	21°46	17°48	9°12	25° 3	9°56	1°19	2°29	11°57	n.a.	F 28
S 29	0 5 52	29°42'27	19°27	22°28	14° 8	18°37	21°59	17°46	9°15	25° 4	9°57	1°11	2°25	12° 4	n.a.	S 29
S 30	0 9 48	0♎42'40	2♏59	22♎58	15♏17	19♍17	22♎12	17♉43	9♌17	25♐ 4	9♏59	1♊ 5	2♊22	12♋10	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n57	0s11	4n 4	3n46	0s29	5s12	0s40	12n36	1n 1	5s34	1n 0	15n31	2s 2	19n13	0n40	23s 2	0n37	5s 2	10n15	21n13	21n12	26n24		n.a.
S 2	10 36	5 58	3 18	3 4	0 36	5 43	0 44	12 21	1 1	5 38	1 0	15 31	2 2	19 12	0 40	23 2	0 37	5 3	10 15	21 12	21 12	26 24		n.a.
M 3	10 14	11 35	2 20	2 22	0 43	6 15	0 47	12 7	1 1	5 43	1 0	15 31	2 2	19 11	0 40	23 2	0 37	5 4	10 14	21 11	21 11	26 24		n.a.
T 4	9 52	16 45	1 13	1 41	0 51	6 46	0 51	11 52	1 0	5 47	1 0	15 31	2 3	19 10	0 40	23 2	0 37	5 5	10 14	21 11	21 11	26 25		n.a.
W 5	9 30	21 8	0 1	0 59	0 58	7 17	0 55	11 37	1 0	5 52	1 0	15 31	2 3	19 9	0 40	23 2	0 37	5 5	10 14	21 11	21 10	26 25		n.a.
T 6	9 8	24 22	1s12	0 18	1 5	7 48	0 59	11 23	1 0	5 57	1 0	15 31	2 3	19 8	0 40	23 2	0 37	5 6	10 13	21 11	21 9	26 25		n.a.
F 7	8 46	26 7	2 22	0s23	1 12	8 19	1 2	11 8	1 0	6 1	0 59	15 31	2 3	19 8	0 40	23 2	0 37	5 7	10 13	21 10	21 9	26 25		n.a.
S 8	8 23	26 8	3 24	1 3	1 20	8 50	1 6	10 53	0 59	6 6	0 59	15 31	2 3	19 7	0 40	23 2	0 37	5 8	10 12	21 10	21 8	26 26		n.a.
S 9	8 1	24 21	4 13	1 43	1 27	9 20	1 10	10 38	0 59	6 11	0 59	15 30	2 3	19 6	0 40	23 2	0 37	5 8	10 12	21 8	21 8	26 26		n.a.
M10	7 38	20 57	4 46	2 22	1 34	9 50	1 14	10 23	0 59	6 15	0 59	15 30	2 3	19 5	0 40	23 2	0 37	5 9	10 12	21 7	21 7	26 26		n.a.
T 11	7 15	16 15	5 0	3 1	1 41	10 20	1 17	10 8	0 59	6 20	0 59	15 30	2 4	19 4	0 40	23 2	0 37	5 10	10 11	21 5	21 6	26 26		n.a.
W12	6 52	10 41	4 55	3 39	1 48	10 50	1 21	9 52	0 58	6 25	0 59	15 30	2 4	19 3	0 41	23 3	0 37	5 11	10 11	21 2	21 6	26 26		n.a.
T 13	6 29	4 40	4 31	4 16	1 54	11 20	1 25	9 37	0 58	6 30	0 58	15 29	2 4	19 2	0 41	23 3	0 37	5 12	10 11	21 0	21 5	26 27		n.a.
F 14	6 6	1n26	3 52	4 53	2 1	11 49	1 28	9 21	0 58	6 35	0 58	15 29	2 4	19 2	0 41	23 3	0 37	5 12	10 10	20 58	21 5	26 27		n.a.
S 15	5 42	7 17	3 1	5 29	2 7	12 18	1 32	9 6	0 57	6 39	0 58	15 29	2 4	19 1	0 41	23 3	0 37	5 13	10 10	20 57	21 4	26 27		n.a.
S 16	5 19	12 40	2 2	6 5	2 13	12 47	1 36	8 50	0 57	6 44	0 58	15 28	2 4	19 0	0 41	23 3	0 37	5 14	10 9	20 56	21 3	26 27		n.a.
M17	4 55	17 22	0 59	6 39	2 19	13 15	1 39	8 35	0 57	6 49	0 58	15 28	2 5	18 59	0 41	23 3	0 37	5 15	10 9	20 55	21 3	26 27		n.a.
T 18	4 32	21 14	0n 6	7 12	2 25	13 44	1 43	8 19	0 56	6 54	0 58	15 27	2 5	18 58	0 41	23 3	0 37	5 16	10 9	20 55	21 2	26 27		n.a.
W19	4 8	24 6	1 9	7 44	2 31	14 11	1 46	8 3	0 56	6 59	0 58	15 27	2 5	18 58	0 41	23 3	0 37	5 17	10 8	20 55	21 1	26 27		n.a.
T 20	3 44	25 52	2 9	8 15	2 36	14 39	1 50	7 47	0 56	7 4	0 57	15 26	2 5	18 57	0 41	23 3	0 37	5 17	10 8	20 55	21 1	26 28		n.a.
F 21	3 20	26 28	3 2	8 45	2 40	15 6	1 53	7 32	0 55	7 9	0 57	15 26	2 5	18 56	0 41	23 3	0 37	5 18	10 8	20 55	21 0	26 28		n.a.
S 22	2 56	25 50	3 48	9 14	2 45	15 33	1 57	7 16	0 55	7 14	0 57	15 25	2 5	18 55	0 41	23 3	0 37	5 19	10 7	20 54	21 0	26 28		n.a.
S 23	2 32	24 2	4 25	9 40	2 49	16 0	2 0	7 0	0 55	7 18	0 57	15 24	2 5	18 54	0 41	23 3	0 37	5 20	10 7	20 53	20 59	26 28		n.a.
M24	2 8	21 6	4 50	10 5	2 52	16 26	2 4	6 43	0 54	7 23	0 57	15 24	2 5	18 54	0 41	23 3	0 37	5 21	10 7	20 51	20 58	26 28		n.a.
T 25	1 44	17 12	5 2	10 29	2 55	16 52	2 7	6 27	0 54	7 28	0 57	15 23	2 6	18 53	0 41	23 3	0 37	5 22	10 6	20 49	20 58	26 28		n.a.
W26	1 20	12 28	4 59	10 50	2 58	17 17	2 10	6 11	0 54	7 33	0 57	15 22	2 6	18 52	0 41	23 3	0 36	5 22	10 6	20 46	20 57	26 28		n.a.
T 27	0 56	7 7	4 42	11 9	2 59	17 42	2 14	5 55	0 53	7 38	0 56	15 22	2 6	18 52	0 41	23 3	0 36	5 23	10 6	20 44	20 56	26 28		n.a.
F 28	0 31	1 21	4 9	11 25	3 0	18 7	2 17	5 39	0 53	7 43	0 56	15 21	2 6	18 51	0 41	23 3	0 36	5 24	10 5	20 42	20 56	26 28		n.a.
S 29	0 7	4s35	3 23	11 39	3 1	18 31	2 20	5 22	0 53	7 48	0 56	15 20	2 6	18 50	0 41	23 3	0 36	5 25	10 5	20 40	20 55	26 28		n.a.
S 30	0s17	10s25	2n24	11s49	3s 0	18s55	2s23	5n 6	0n52	7s53	0n56	15n19	2s 6	18n49	0n41	23s 3	0n36	5s26	10n 5	20n39	20n55	26n28		n.a.

Julian Day Number = 1548537.5, Delta T = 04h32m31s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'35, Lahiri = -10°29'35 Julian Calendar 1 Sept. 474 BCE == Greg. Calendar 27 Aug. 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

OCTOBER 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 13 45	1♎42'56	16♏40	23♎21	16♏26	19♍58	22♎25	17°R40	9♌20	25♐ 5	10♏ 1	1°R 1	2♊19	12♋17	n.a.	M 1
T 2	0 17 41	2°43'13	0♐29	23°38	17°34	20°38	22°38	17♉38	9°23	25° 6	10° 3	1°D 0	2°16	12°24	n.a.	T 2
W 3	0 21 38	3°43'31	14°24	23°47	18°42	21°19	22°51	17°35	9°25	25° 6	10° 5	1♊ 1	2°13	12°30	n.a.	W 3
T 4	0 25 35	4°43'51	28°26	23°R48	19°51	22° 0	23° 4	17°32	9°28	25° 7	10° 7	1°R 2	2°10	12°37	n.a.	T 4
F 5	0 29 31	5°44'13	12♑32	23°40	20°59	22°40	23°17	17°29	9°30	25° 8	10° 9	1° 2	2° 6	12°44	n.a.	F 5
S 6	0 33 28	6°44'36	26°43	23°23	22° 7	23°21	23°30	17°26	9°33	25° 8	10°11	1° 0	2° 3	12°50	n.a.	S 6
S 7	0 37 24	7°45'01	10♒57	22°56	23°15	24° 2	23°43	17°23	9°35	25° 9	10°13	0°56	2° 0	12°57	n.a.	S 7
M 8	0 41 21	8°45'27	25°10	22°19	24°22	24°43	23°57	17°19	9°38	25°10	10°15	0°49	1°57	13° 4	n.a.	M 8
T 9	0 45 17	9°45'55	9♓18	21°32	25°30	25°23	24°10	17°16	9°40	25°11	10°17	0°42	1°54	13°10	n.a.	T 9
W10	0 49 14	10°46'24	23°17	20°36	26°37	26° 4	24°23	17°13	9°42	25°12	10°19	0°33	1°50	13°17	n.a.	W10
T 11	0 53 10	11°46'55	7♈ 4	19°31	27°44	26°45	24°36	17° 9	9°44	25°13	10°21	0°24	1°47	13°24	n.a.	T 11
F 12	0 57 7	12°47'27	20°33	18°19	28°51	27°26	24°50	17° 6	9°47	25°14	10°23	0°17	1°44	13°31	n.a.	F 12
S 13	1 1 3	13°48'02	3♉42	17° 2	29°58	28° 7	25° 3	17° 2	9°49	25°15	10°26	0°12	1°41	13°37	n.a.	S 13
S 14	1 5 0	14°48'38	16°32	15°42	1♐ 4	28°48	25°16	16°58	9°51	25°16	10°28	0° 9	1°38	13°44	n.a.	S 14
M15	1 8 57	15°49'15	29° 3	14°21	2°11	29°29	25°30	16°54	9°53	25°17	10°30	0°D 8	1°35	13°51	n.a.	M15
T 16	1 12 53	16°49'55	11♊17	13° 2	3°17	0♎10	25°43	16°50	9°55	25°18	10°32	0° 8	1°31	13°57	n.a.	T 16
W17	1 16 50	17°50'36	23°18	11°49	4°23	0°51	25°57	16°46	9°57	25°19	10°34	0°10	1°28	14° 4	n.a.	W17
T 18	1 20 46	18°51'20	5♋11	10°42	5°29	1°32	26°10	16°42	9°59	25°20	10°36	0°11	1°25	14°11	n.a.	T 18
F 19	1 24 43	19°52'04	17° 1	9°44	6°35	2°14	26°24	16°38	10° 1	25°21	10°39	0°R12	1°22	14°17	n.a.	F 19
S 20	1 28 39	20°52'51	28°53	8°57	7°40	2°55	26°37	16°34	10° 3	25°22	10°41	0°12	1°19	14°24	n.a.	S 20
S 21	1 32 36	21°53'39	10♌51	8°21	8°45	3°36	26°50	16°30	10° 4	25°24	10°43	0°10	1°16	14°31	n.a.	S 21
M22	1 36 33	22°54'29	23° 1	7°57	9°50	4°17	27° 4	16°25	10° 6	25°25	10°45	0° 6	1°12	14°37	n.a.	M22
T 23	1 40 29	23°55'21	5♍27	7°45	10°55	4°59	27°17	16°21	10° 8	25°26	10°47	0° 1	1° 9	14°44	n.a.	T 23
W24	1 44 26	24°56'14	18°11	7°D43	11°59	5°40	27°31	16°17	10° 9	25°27	10°50	29♉55	1° 6	14°51	n.a.	W24
T 25	1 48 22	25°57'08	1♎15	7°53	13° 3	6°22	27°44	16°12	10°11	25°29	10°52	29°49	1° 3	14°57	n.a.	T 25
F 26	1 52 19	26°58'04	14°39	8°12	14° 7	7° 3	27°58	16° 8	10°12	25°30	10°54	29°43	1° 0	15° 4	n.a.	F 26
S 27	1 56 15	27°59'02	28°21	8°40	15°11	7°45	28°11	16° 3	10°14	25°32	10°56	29°39	0°56	15°11	n.a.	S 27
S 28	2 0 12	29° 0'00	12♏19	9°16	16°14	8°26	28°25	15°58	10°15	25°33	10°59	29°36	0°53	15°17	n.a.	S 28
M29	2 4 8	0♏ 1'00	26°28	10° 0	17°17	9° 8	28°38	15°54	10°17	25°34	11° 1	29°D35	0°50	15°24	n.a.	M29
T 30	2 8 5	1° 2'01	10♐43	10°50	18°20	9°49	28°52	15°49	10°18	25°36	11° 3	29°36	0°47	15°31	n.a.	T 30
W31	2 12 1	2♏ 3'02	25♐ 2	11♎45	19♐22	10♎31	29♎ 6	15♉44	10♌19	25♐37	11♏ 6	29♉37	0♊44	15♋37	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	0s41	15s49	1n16	11s56	2s58	19s18	2s26	4n49	0n52	7s58	0n56	15n18	2s 6	18n49	0n41	23s 3	0n36	5s27	10n 5	20n38	20n54	26n28			n.a.
T 2	1 6	20 28	0 3	12 0	2 55	19 41	2 29	4 33	0 52	8 3	0 56	15 18	2 6	18 48	0 41	23 3	0 36	5 28	10 4	20 38	20 53	26 28			n.a.
W 3	1 30	24 0	1s11	11 59	2 51	20 3	2 32	4 16	0 51	8 8	0 56	15 17	2 6	18 47	0 41	23 3	0 36	5 28	10 4	20 38	20 53	26 28			n.a.
T 4	1 54	26 6	2 21	11 55	2 45	20 25	2 35	4 0	0 51	8 13	0 56	15 16	2 7	18 47	0 41	23 4	0 36	5 29	10 4	20 38	20 52	26 28			n.a.
F 5	2 18	26 32	3 24	11 45	2 38	20 46	2 38	3 43	0 51	8 18	0 56	15 15	2 7	18 46	0 41	23 4	0 36	5 30	10 3	20 38	20 51	26 28			n.a.
S 6	2 43	25 14	4 14	11 30	2 30	21 7	2 40	3 26	0 50	8 23	0 55	15 14	2 7	18 45	0 41	23 4	0 36	5 31	10 3	20 38	20 51	26 28			n.a.
S 7	3 7	22 19	4 48	11 11	2 19	21 27	2 43	3 10	0 50	8 28	0 55	15 13	2 7	18 45	0 41	23 4	0 36	5 32	10 3	20 37	20 50	26 28			n.a.
M 8	3 31	18 4	5 5	10 45	2 7	21 47	2 46	2 53	0 49	8 33	0 55	15 12	2 7	18 44	0 41	23 4	0 36	5 33	10 3	20 35	20 49	26 28			n.a.
T 9	3 55	12 51	5 3	10 15	1 53	22 6	2 48	2 36	0 49	8 38	0 55	15 11	2 7	18 44	0 41	23 4	0 36	5 34	10 2	20 34	20 49	26 28			n.a.
W10	4 19	7 1	4 43	9 39	1 37	22 25	2 50	2 19	0 49	8 43	0 55	15 10	2 7	18 43	0 41	23 4	0 36	5 35	10 2	20 32	20 48	26 28			n.a.
T 11	4 43	0 56	4 7	8 58	1 20	22 43	2 53	2 3	0 48	8 48	0 55	15 9	2 7	18 42	0 41	23 4	0 36	5 35	10 2	20 30	20 47	26 28			n.a.
F 12	5 7	5n 5	3 17	8 13	1 1	23 0	2 55	1 46	0 48	8 53	0 55	15 8	2 7	18 42	0 41	23 4	0 36	5 36	10 2	20 29	20 47	26 28			n.a.
S 13	5 31	10 45	2 18	7 25	0 41	23 17	2 57	1 29	0 47	8 58	0 55	15 7	2 7	18 41	0 42	23 4	0 36	5 37	10 1	20 28	20 46	26 28			n.a.
S 14	5 55	15 50	1 13	6 35	0 21	23 34	2 59	1 12	0 47	9 3	0 55	15 5	2 7	18 41	0 42	23 4	0 36	5 38	10 1	20 27	20 46	26 28			n.a.
M15	6 18	20 7	0 6	5 44	0 0	23 49	3 1	0 55	0 47	9 8	0 55	15 4	2 7	18 40	0 42	23 4	0 36	5 39	10 1	20 27	20 45	26 28			n.a.
T 16	6 42	23 25	1n 0	4 54	0n20	24 4	3 3	0 38	0 46	9 13	0 54	15 3	2 8	18 40	0 42	23 4	0 36	5 40	10 1	20 27	20 44	26 28			n.a.
W17	7 5	25 37	2 2	4 7	0 40	24 19	3 4	0 21	0 46	9 18	0 54	15 2	2 8	18 39	0 42	23 4	0 36	5 41	10 0	20 27	20 44	26 28			n.a.
T 18	7 29	26 38	2 59	3 24	0 59	24 33	3 6	0 4	0 45	9 23	0 54	15 1	2 8	18 39	0 42	23 4	0 36	5 41	10 0	20 27	20 43	26 28			n.a.
F 19	7 52	26 25	3 47	2 45	1 16	24 46	3 7	0s13	0 45	9 28	0 54	14 59	2 8	18 38	0 42	23 5	0 36	5 42	10 0	20 28	20 42	26 28			n.a.
S 20	8 15	24 59	4 26	2 12	1 31	24 59	3 9	0 30	0 45	9 33	0 54	14 58	2 8	18 38	0 42	23 5	0 36	5 43	10 0	20 28	20 42	26 28			n.a.
S 21	8 38	22 26	4 54	1 45	1 45	25 11	3 10	0 47	0 44	9 38	0 54	14 57	2 8	18 37	0 42	23 5	0 36	5 44	10 0	20 27	20 41	26 28			n.a.
M22	9 1	18 52	5 9	1 25	1 56	25 22	3 11	1 4	0 44	9 43	0 54	14 56	2 8	18 37	0 42	23 5	0 36	5 45	9 59	20 26	20 40	26 28			n.a.
T 23	9 24	14 25	5 10	1 11	2 6	25 33	3 12	1 21	0 43	9 48	0 54	14 54	2 8	18 37	0 42	23 5	0 36	5 46	9 59	20 25	20 40	26 27			n.a.
W24	9 47	9 15	4 56	1 3	2 14	25 43	3 13	1 38	0 43	9 53	0 54	14 53	2 8	18 36	0 42	23 5	0 36	5 47	9 59	20 24	20 39	26 27			n.a.
T 25	10 9	3 33	4 26	1 2	2 20	25 52	3 14	1 55	0 42	9 58	0 54	14 52	2 8	18 36	0 42	23 5	0 36	5 47	9 59	20 23	20 38	26 27			n.a.
F 26	10 32	2s27	3 41	1 5	2 24	26 0	3 14	2 12	0 42	10 3	0 54	14 50	2 8	18 35	0 42	23 5	0 36	5 48	9 59	20 21	20 38	26 27			n.a.
S 27	10 54	8 30	2 43	1 14	2 27	26 8	3 15	2 29	0 41	10 8	0 54	14 49	2 8	18 35	0 42	23 5	0 36	5 49	9 59	20 20	20 37	26 27			n.a.
S 28	11 16	14 15	1 33	1 27	2 29	26 16	3 15	2 46	0 41	10 13	0 54	14 48	2 8	18 35	0 42	23 5	0 36	5 50	9 58	20 20	20 36	26 27			n.a.
M29	11 37	19 20	0 17	1 44	2 29	26 22	3 15	3 3	0 41	10 18	0 54	14 46	2 8	18 34	0 42	23 5	0 35	5 51	9 58	20 20	20 36	26 27			n.a.
T 30	11 59	23 21	1s 1	2 4	2 28	26 28	3 15	3 20	0 40	10 23	0 53	14 45	2 8	18 34	0 42	23 5	0 35	5 52	9 58	20 20	20 35	26 26			n.a.
W31	12s21	25s55	2s15	2s28	2n27	26s34	3s15	3s37	0n40	10s28	0n53	14n44	2s 8	18n34	0n42	23s 5	0n35	5s52	9n58	20n20	20n34	26n26			n.a.

Julian Day Number = 1548567.5, Delta T = 04h32m30s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'31, Lahiri = -10°29'31 Julian Calendar 1 Oct. 474 BCE == Greg. Calendar 26 Sept. 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

NOVEMBER 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 15 58	3♏ 4'05	9♑19	12♎46	20♐24	11♎13	29♎19	15°R39	10♌20	25♐39	11♏ 8	29♉38	0♊41	15♋44	n.a.	T 1
F 2	2 19 55	4° 5'08	23°34	13°50	21°26	11°54	29°33	15♉34	10°21	25°41	11°10	29°40	0°37	15°51	n.a.	F 2
S 3	2 23 51	5° 6'12	7♒42	14°59	22°27	12°36	29°46	15°30	10°23	25°42	11°12	29°R40	0°34	15°58	n.a.	S 3
S 4	2 27 48	6° 7'17	21°44	16°10	23°28	13°18	29°59	15°25	10°24	25°44	11°15	29°39	0°31	16° 4	n.a.	S 4
M 5	2 31 44	7° 8'22	5♓36	17°25	24°29	14° 0	0♏13	15°20	10°25	25°45	11°17	29°37	0°28	16°11	n.a.	M 5
T 6	2 35 41	8° 9'28	19°19	18°41	25°29	14°42	0°26	15°15	10°25	25°47	11°19	29°34	0°25	16°18	n.a.	T 6
W 7	2 39 37	9°10'34	2♈50	20° 0	26°29	15°24	0°40	15°10	10°26	25°49	11°22	29°31	0°22	16°24	n.a.	W 7
T 8	2 43 34	10°11'41	16° 8	21°21	27°28	16° 6	0°53	15° 5	10°27	25°50	11°24	29°28	0°18	16°31	n.a.	T 8
F 9	2 47 31	11°12'49	29°13	22°43	28°26	16°48	1° 7	15° 0	10°28	25°52	11°26	29°26	0°15	16°38	n.a.	F 9
S 10	2 51 27	12°13'57	12♉ 3	24° 7	29°25	17°30	1°20	14°55	10°29	25°54	11°29	29°24	0°12	16°44	n.a.	S 10
S 11	2 55 24	13°15'06	24°39	25°31	0♑23	18°12	1°34	14°50	10°29	25°56	11°31	29°D23	0° 9	16°51	n.a.	S 11
M12	2 59 20	14°16'16	7♊ 0	26°57	1°20	18°54	1°47	14°45	10°30	25°58	11°33	29°23	0° 6	16°58	n.a.	M12
T 13	3 3 17	15°17'27	19°10	28°23	2°16	19°36	2° 0	14°40	10°30	25°59	11°36	29°24	0° 2	17° 4	n.a.	T 13
W14	3 7 13	16°18'38	1♋10	29°50	3°13	20°18	2°14	14°35	10°31	26° 1	11°38	29°25	29♉59	17°11	n.a.	W14
T 15	3 11 10	17°19'51	13° 3	1♏18	4° 8	21° 0	2°27	14°30	10°31	26° 3	11°40	29°27	29°56	17°18	n.a.	T 15
F 16	3 15 6	18°21'04	24°53	2°47	5° 3	21°42	2°40	14°25	10°32	26° 5	11°42	29°28	29°53	17°24	n.a.	F 16
S 17	3 19 3	19°22'17	6♌44	4°16	5°57	22°25	2°54	14°20	10°32	26° 7	11°45	29°28	29°50	17°31	n.a.	S 17
S 18	3 23 0	20°23'32	18°41	5°45	6°51	23° 7	3° 7	14°15	10°32	26° 9	11°47	29°R29	29°47	17°38	n.a.	S 18
M19	3 26 56	21°24'47	0♍49	7°15	7°44	23°49	3°20	14°10	10°32	26°11	11°49	29°29	29°43	17°45	n.a.	M19
T 20	3 30 53	22°26'02	13°13	8°45	8°36	24°32	3°33	14° 5	10°32	26°13	11°52	29°28	29°40	17°51	n.a.	T 20
W21	3 34 49	23°27'18	25°55	10°16	9°28	25°14	3°46	14° 0	10°32	26°15	11°54	29°27	29°37	17°58	n.a.	W21
T 22	3 38 46	24°28'35	9♎ 1	11°47	10°19	25°57	4° 0	13°55	10°R32	26°17	11°56	29°27	29°34	18° 5	n.a.	T 22
F 23	3 42 42	25°29'52	22°31	13°18	11° 9	26°39	4°13	13°50	10°32	26°19	11°58	29°26	29°31	18°11	n.a.	F 23
S 24	3 46 39	26°31'10	6♏25	14°49	11°58	27°22	4°26	13°46	10°32	26°21	12° 1	29°26	29°27	18°18	n.a.	S 24
S 25	3 50 35	27°32'27	20°40	16°21	12°46	28° 4	4°39	13°41	10°32	26°23	12° 3	29°26	29°24	18°25	n.a.	S 25
M26	3 54 32	28°33'46	5♐13	17°53	13°34	28°47	4°52	13°36	10°32	26°25	12° 5	29°D26	29°21	18°31	n.a.	M26
T 27	3 58 29	29°35'04	19°57	19°26	14°20	29°30	5° 5	13°31	10°32	26°27	12° 7	29°R26	29°18	18°38	n.a.	T 27
W28	4 2 25	0♐36'22	4♑45	20°58	15° 6	0♏12	5°18	13°27	10°31	26°29	12°10	29°26	29°15	18°45	n.a.	W28
T 29	4 6 22	1°37'40	19°29	22°31	15°51	0°55	5°30	13°22	10°31	26°31	12°12	29°25	29°12	18°51	n.a.	T 29
F 30	4 10 18	2♐38'58	4♒ 4	24♏ 5	16♑34	1♏38	5♏43	13♉17	10♌31	26♐33	12♏14	29♉25	29♉ 8	18♋58	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s42	26s46	3s21	2s54	2n24	26s38	3s15	3s54	0n39	10s33	0n53	14n42	2s 8	18n33	0n42	23s 5	0n35	5s53	9n58	20n20	20n34	26n26		n.a.
F 2	13 3	25 50	4 14	3 22	2 21	26 42	3 14	4 11	0 39	10 38	0 53	14 41	2 8	18 33	0 42	23 6	0 35	5 54	9 58	20 21	20 33	26 26		n.a.
S 3	13 24	23 17	4 52	3 52	2 17	26 45	3 14	4 28	0 38	10 42	0 53	14 40	2 8	18 33	0 42	23 6	0 35	5 55	9 58	20 21	20 32	26 26		n.a.
S 4	13 44	19 21	5 12	4 24	2 13	26 48	3 13	4 44	0 38	10 47	0 53	14 38	2 8	18 33	0 42	23 6	0 35	5 56	9 57	20 20	20 32	26 25		n.a.
M 5	14 5	14 25	5 13	4 58	2 8	26 50	3 12	5 1	0 37	10 52	0 53	14 37	2 8	18 33	0 42	23 6	0 35	5 57	9 57	20 20	20 31	26 25		n.a.
T 6	14 25	8 49	4 56	5 32	2 2	26 51	3 11	5 18	0 37	10 57	0 53	14 35	2 8	18 32	0 43	23 6	0 35	5 57	9 57	20 19	20 30	26 25		n.a.
W 7	14 44	2 53	4 23	6 7	1 57	26 52	3 9	5 35	0 36	11 2	0 53	14 34	2 8	18 32	0 43	23 6	0 35	5 58	9 57	20 19	20 30	26 25		n.a.
T 8	15 4	3n 6	3 36	6 43	1 51	26 52	3 8	5 52	0 36	11 7	0 53	14 33	2 8	18 32	0 43	23 6	0 35	5 59	9 57	20 18	20 29	26 24		n.a.
F 9	15 23	8 52	2 39	7 20	1 45	26 51	3 6	6 9	0 35	11 11	0 53	14 31	2 7	18 32	0 43	23 6	0 35	6 0	9 57	20 18	20 28	26 24		n.a.
S 10	15 43	14 9	1 34	7 57	1 38	26 50	3 4	6 25	0 35	11 16	0 53	14 30	2 7	18 32	0 43	23 6	0 35	6 0	9 57	20 17	20 28	26 24		n.a.
S 11	16 1	18 45	0 26	8 35	1 31	26 48	3 2	6 42	0 34	11 21	0 53	14 28	2 7	18 31	0 43	23 6	0 35	6 1	9 57	20 17	20 27	26 24		n.a.
M12	16 20	22 27	0n42	9 12	1 25	26 45	3 0	6 59	0 34	11 26	0 53	14 27	2 7	18 31	0 43	23 6	0 35	6 2	9 57	20 17	20 26	26 23		n.a.
T 13	16 38	25 5	1 47	9 50	1 18	26 42	2 58	7 15	0 33	11 30	0 53	14 25	2 7	18 31	0 43	23 6	0 35	6 3	9 57	20 17	20 26	26 23		n.a.
W14	16 56	26 32	2 47	10 28	1 11	26 38	2 55	7 32	0 33	11 35	0 53	14 24	2 7	18 31	0 43	23 7	0 35	6 3	9 57	20 17	20 25	26 23		n.a.
T 15	17 14	26 44	3 39	11 5	1 4	26 33	2 52	7 48	0 32	11 40	0 53	14 23	2 7	18 31	0 43	23 7	0 35	6 4	9 57	20 18	20 24	26 23		n.a.
F 16	17 31	25 43	4 21	11 43	0 57	26 28	2 49	8 5	0 31	11 44	0 53	14 21	2 7	18 31	0 43	23 7	0 35	6 5	9 56	20 18	20 23	26 22		n.a.
S 17	17 48	23 33	4 53	12 20	0 49	26 23	2 46	8 21	0 31	11 49	0 53	14 20	2 7	18 31	0 43	23 7	0 35	6 6	9 56	20 18	20 23	26 22		n.a.
S 18	18 5	20 21	5 12	12 57	0 42	26 16	2 42	8 38	0 30	11 53	0 53	14 19	2 7	18 31	0 43	23 7	0 35	6 6	9 56	20 18	20 22	26 22		n.a.
M19	18 21	16 15	5 17	13 33	0 35	26 10	2 38	8 54	0 30	11 58	0 53	14 17	2 7	18 31	0 43	23 7	0 35	6 7	9 56	20 18	20 21	26 21		n.a.
T 20	18 37	11 25	5 8	14 10	0 28	26 2	2 34	9 10	0 29	12 3	0 52	14 16	2 6	18 31	0 43	23 7	0 35	6 8	9 56	20 18	20 21	26 21		n.a.
W21	18 53	5 59	4 44	14 46	0 21	25 54	2 30	9 27	0 29	12 7	0 52	14 14	2 6	18 31	0 43	23 7	0 35	6 9	9 56	20 18	20 20	26 21		n.a.
T 22	19 8	0 7	4 5	15 21	0 14	25 46	2 26	9 43	0 28	12 12	0 52	14 13	2 6	18 31	0 43	23 7	0 35	6 9	9 56	20 18	20 19	26 20		n.a.
F 23	19 23	5s55	3 11	15 56	0 7	25 37	2 21	9 59	0 28	12 16	0 52	14 12	2 6	18 31	0 43	23 7	0 35	6 10	9 56	20 18	20 19	26 20		n.a.
S 24	19 38	11 53	2 4	16 30	0s 0	25 28	2 16	10 15	0 27	12 21	0 52	14 10	2 6	18 31	0 43	23 7	0 35	6 11	9 56	20 18	20 18	26 20		n.a.
S 25	19 52	17 23	0 48	17 3	0 7	25 18	2 11	10 31	0 26	12 25	0 52	14 9	2 6	18 31	0 43	23 7	0 35	6 11	9 56	20 18	20 17	26 19		n.a.
M26	20 6	21 59	0s32	17 36	0 14	25 8	2 5	10 47	0 26	12 29	0 52	14 8	2 6	18 31	0 43	23 7	0 35	6 12	9 56	20 18	20 17	26 19		n.a.
T 27	20 20	25 13	1 52	18 9	0 20	24 57	2 0	11 3	0 25	12 34	0 52	14 7	2 6	18 31	0 43	23 8	0 35	6 13	9 56	20 18	20 16	26 18		n.a.
W28	20 33	26 44	3 4	18 40	0 27	24 46	1 54	11 19	0 25	12 38	0 52	14 5	2 5	18 32	0 43	23 8	0 35	6 13	9 56	20 18	20 15	26 18		n.a.
T 29	20 45	26 20	4 4	19 11	0 33	24 35	1 47	11 34	0 24	12 43	0 52	14 4	2 5	18 32	0 44	23 8	0 35	6 14	9 56	20 17	20 14	26 18		n.a.
F 30	20s58	24s 8	4s47	19s41	0s40	24s23	1s41	11s50	0n23	12s47	0n52	14n 3	2s 5	18n32	0n44	23s 8	0n35	6s15	9n56	20n17	20n14	26n17		n.a.

Julian Day Number = 1548598.5, Delta T = 04h32m29s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'27, Lahiri = -10°29'26 Julian Calendar 1 Nov. 474 BCE == Greg. Calendar 27 Oct. 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 474 BCE
geocentric

DECEMBER 474 BCE (-473) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 14 15	3♐40'15	18♒25	25♏38	17♑16	2♏21	5♏56	13°R13	10°R30	26♐35	12♏16	29°R25	29♉ 5	19♋ 5	n.a.	S 1
S 2	4 18 11	4°41'31	2♓29	27°12	17°58	3° 3	6° 9	13♉ 8	10♌29	26°37	12°19	29°D25	29° 2	19°12	n.a.	S 2
M 3	4 22 8	5°42'48	16°14	28°46	18°38	3°46	6°21	13° 4	10°29	26°40	12°21	29♉25	28°59	19°18	n.a.	M 3
T 4	4 26 5	6°44'03	29°42	0♐21	19°16	4°29	6°34	13° 0	10°28	26°42	12°23	29°25	28°56	19°25	n.a.	T 4
W 5	4 30 1	7°45'18	12♈52	1°56	19°54	5°12	6°47	12°55	10°27	26°44	12°25	29°26	28°53	19°32	n.a.	W 5
T 6	4 33 58	8°46'33	25°47	3°31	20°30	5°55	6°59	12°51	10°27	26°46	12°27	29°27	28°49	19°38	n.a.	T 6
F 7	4 37 54	9°47'47	8♉29	5° 7	21° 5	6°38	7°12	12°47	10°26	26°48	12°29	29°28	28°46	19°45	n.a.	F 7
S 8	4 41 51	10°49'01	20°58	6°43	21°38	7°21	7°24	12°43	10°25	26°50	12°31	29°28	28°43	19°52	n.a.	S 8
S 9	4 45 47	11°50'14	3♊17	8°20	22°10	8° 4	7°36	12°39	10°24	26°53	12°33	29°R29	28°40	19°58	n.a.	S 9
M10	4 49 44	12°51'27	15°27	9°57	22°40	8°47	7°49	12°35	10°23	26°55	12°36	29°28	28°37	20° 5	n.a.	M10
T 11	4 53 40	13°52'39	27°29	11°34	23° 8	9°30	8° 1	12°31	10°22	26°57	12°38	29°27	28°33	20°12	n.a.	T 11
W12	4 57 37	14°53'51	9♋24	13°12	23°35	10°14	8°13	12°27	10°21	26°59	12°40	29°24	28°30	20°18	n.a.	W12
T 13	5 1 34	15°55'02	21°16	14°50	24° 0	10°57	8°25	12°23	10°20	27° 2	12°42	29°22	28°27	20°25	n.a.	T 13
F 14	5 5 30	16°56'13	3♌ 6	16°29	24°23	11°40	8°37	12°20	10°19	27° 4	12°44	29°19	28°24	20°32	n.a.	F 14
S 15	5 9 27	17°57'24	14°58	18° 9	24°44	12°23	8°49	12°16	10°17	27° 6	12°46	29°16	28°21	20°39	n.a.	S 15
S 16	5 13 23	18°58'34	26°55	19°49	25° 3	13° 7	9° 1	12°13	10°16	27° 8	12°48	29°14	28°18	20°45	n.a.	S 16
M17	5 17 20	19°59'43	9♍ 0	21°29	25°20	13°50	9°13	12° 9	10°15	27°11	12°50	29°12	28°14	20°52	n.a.	M17
T 18	5 21 16	21° 0'52	21°19	23°10	25°36	14°34	9°25	12° 6	10°13	27°13	12°51	29°D12	28°11	20°59	n.a.	T 18
W19	5 25 13	22° 2'00	3♎56	24°52	25°49	15°17	9°36	12° 3	10°12	27°15	12°53	29°12	28° 8	21° 5	n.a.	W19
T 20	5 29 10	23° 3'08	16°54	26°34	25°59	16° 0	9°48	11°59	10°11	27°17	12°55	29°14	28° 5	21°12	n.a.	T 20
F 21	5 33 6	24° 4'15	0♏18	28°16	26° 8	16°44	10° 0	11°56	10° 9	27°20	12°57	29°15	28° 2	21°19	n.a.	F 21
S 22	5 37 3	25° 5'22	14° 9	29°59	26°14	17°27	10°11	11°53	10° 8	27°22	12°59	29°17	27°59	21°25	n.a.	S 22
S 23	5 40 59	26° 6'28	28°28	1♑43	26°18	18°11	10°22	11°51	10° 6	27°24	13° 1	29°R17	27°55	21°32	n.a.	S 23
M24	5 44 56	27° 7'33	13♐10	3°27	26°R19	18°55	10°34	11°48	10° 4	27°26	13° 3	29°17	27°52	21°39	n.a.	M24
T 25	5 48 52	28° 8'38	28°11	5°11	26°18	19°38	10°45	11°45	10° 3	27°29	13° 4	29°15	27°49	21°46	n.a.	T 25
W26	5 52 49	29° 9'41	13♑21	6°56	26°14	20°22	10°56	11°43	10° 1	27°31	13° 6	29°11	27°46	21°52	n.a.	W26
T 27	5 56 45	0♑10'43	28°31	8°41	26° 8	21° 6	11° 7	11°40	9°59	27°33	13° 8	29° 7	27°43	21°59	n.a.	T 27
F 28	6 0 42	1°11'44	13♒31	10°26	26° 0	21°49	11°18	11°38	9°57	27°36	13°10	29° 2	27°39	22° 6	n.a.	F 28
S 29	6 4 39	2°12'43	28°12	12°11	25°48	22°33	11°29	11°36	9°55	27°38	13°11	28°57	27°36	22°12	n.a.	S 29
S 30	6 8 35	3°13'41	12♓29	13°56	25°35	23°17	11°40	11°33	9°53	27°40	13°13	28°54	27°33	22°19	n.a.	S 30
M31	6 12 32	4♑14'38	26♓21	15♑41	25♑18	24♏ 1	11♏51	11♉31	9♌52	27♐42	13♏15	28♉52	27♉30	22♋26	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	21s10	20s26	5s12	20s10	0s46	24s11	1s34	12s 5	0n23	12s51	0n52	14n 2	2s 5	18n32	0n44	23s 8	0n35	6s15	9n56	20n17	20n13	26n17		n.a.	S 1
S 2	21 21	15 38	5 17	20 38	0 52	23 58	1 27	12 21	0 22	12 55	0 52	14 0	2 5	18 32	0 44	23 8	0 35	6 16	9 56	20 17	20 12	26 16		n.a.	S 2
M 3	21 32	10 9	5 4	21 5	0 58	23 45	1 19	12 36	0 22	13 0	0 52	13 59	2 5	18 33	0 44	23 8	0 35	6 16	9 56	20 17	20 12	26 16		n.a.	M 3
T 4	21 43	4 18	4 34	21 31	1 3	23 32	1 12	12 51	0 21	13 4	0 52	13 58	2 4	18 33	0 44	23 8	0 35	6 17	9 56	20 17	20 11	26 15		n.a.	T 4
W 5	21 53	1n37	3 51	21 56	1 9	23 18	1 4	13 7	0 20	13 8	0 52	13 57	2 4	18 33	0 44	23 8	0 35	6 18	9 56	20 18	20 10	26 15		n.a.	W 5
T 6	22 3	7 22	2 56	22 21	1 14	23 5	0 55	13 22	0 20	13 12	0 52	13 56	2 4	18 33	0 44	23 8	0 35	6 18	9 56	20 18	20 10	26 15		n.a.	T 6
F 7	22 13	12 43	1 54	22 44	1 19	22 51	0 47	13 37	0 19	13 16	0 52	13 55	2 4	18 33	0 44	23 8	0 35	6 19	9 57	20 18	20 9	26 14		n.a.	F 7
S 8	22 22	17 29	0 47	23 6	1 24	22 37	0 38	13 51	0 18	13 20	0 52	13 54	2 4	18 34	0 44	23 8	0 35	6 19	9 57	20 18	20 8	26 14		n.a.	S 8
S 9	22 30	21 26	0n21	23 26	1 29	22 22	0 28	14 6	0 18	13 24	0 52	13 53	2 3	18 34	0 44	23 8	0 35	6 20	9 57	20 18	20 7	26 13		n.a.	S 9
M10	22 38	24 24	1 27	23 46	1 33	22 8	0 19	14 21	0 17	13 28	0 52	13 52	2 3	18 34	0 44	23 9	0 35	6 20	9 57	20 18	20 7	26 13		n.a.	M10
T 11	22 46	26 13	2 29	24 4	1 37	21 53	0 9	14 35	0 16	13 32	0 52	13 51	2 3	18 35	0 44	23 9	0 35	6 21	9 57	20 18	20 6	26 12		n.a.	T 11
W12	22 53	26 48	3 23	24 21	1 41	21 38	0n 2	14 50	0 16	13 36	0 52	13 50	2 3	18 35	0 44	23 9	0 34	6 21	9 57	20 17	20 5	26 12		n.a.	W12
T 13	23 0	26 8	4 9	24 37	1 45	21 23	0 12	15 4	0 15	13 40	0 52	13 49	2 3	18 35	0 44	23 9	0 34	6 22	9 57	20 17	20 5	26 11		n.a.	T 13
F 14	23 6	24 18	4 43	24 51	1 48	21 9	0 23	15 18	0 14	13 44	0 52	13 48	2 2	18 36	0 44	23 9	0 34	6 22	9 57	20 16	20 4	26 11		n.a.	F 14
S 15	23 12	21 25	5 5	25 4	1 51	20 54	0 35	15 32	0 14	13 48	0 52	13 47	2 2	18 36	0 44	23 9	0 34	6 23	9 57	20 15	20 3	26 10		n.a.	S 15
S 16	23 17	17 37	5 15	25 15	1 54	20 39	0 46	15 46	0 13	13 52	0 52	13 46	2 2	18 37	0 44	23 9	0 34	6 23	9 57	20 15	20 2	26 10		n.a.	S 16
M17	23 22	13 5	5 11	25 25	1 56	20 24	0 58	16 0	0 12	13 56	0 52	13 45	2 2	18 37	0 44	23 9	0 34	6 24	9 57	20 15	20 2	26 9		n.a.	M17
T 18	23 27	7 57	4 52	25 33	1 58	20 9	1 10	16 14	0 12	14 0	0 52	13 45	2 1	18 37	0 44	23 9	0 34	6 24	9 57	20 15	20 1	26 9		n.a.	T 18
W19	23 31	2 23	4 19	25 39	2 0	19 54	1 23	16 27	0 11	14 3	0 52	13 44	2 1	18 38	0 44	23 9	0 34	6 25	9 58	20 15	20 0	26 8		n.a.	W19
T 20	23 34	3s28	3 32	25 44	2 1	19 39	1 36	16 41	0 10	14 7	0 52	13 43	2 1	18 38	0 44	23 9	0 34	6 25	9 58	20 15	20 0	26 7		n.a.	T 20
F 21	23 37	9 21	2 33	25 47	2 2	19 25	1 49	16 54	0 10	14 11	0 52	13 42	2 1	18 39	0 44	23 9	0 34	6 26	9 58	20 15	19 59	26 7		n.a.	F 21
S 22	23 40	14 59	1 22	25 48	2 2	19 10	2 3	17 7	0 9	14 14	0 52	13 42	2 0	18 39	0 44	23 9	0 34	6 26	9 58	20 16	19 58	26 6		n.a.	S 22
S 23	23 42	20 0	0 5	25 47	2 2	18 56	2 16	17 20	0 8	14 18	0 52	13 41	2 0	18 40	0 44	23 9	0 34	6 27	9 58	20 16	19 57	26 6		n.a.	S 23
M24	23 43	23 56	1s16	25 44	2 2	18 42	2 30	17 33	0 7	14 21	0 52	13 40	2 0	18 40	0 45	23 9	0 34	6 27	9 58	20 16	19 57	26 5		n.a.	M24
T 25	23 44	26 16	2 32	25 40	2 1	18 28	2 45	17 46	0 7	14 25	0 52	13 40	2 0	18 41	0 45	23 9	0 34	6 27	9 58	20 15	19 56	26 5		n.a.	T 25
W26	23 45	26 41	3 38	25 33	1 59	18 15	2 59	17 59	0 6	14 28	0 52	13 39	1 59	18 41	0 45	23 9	0 34	6 28	9 59	20 14	19 55	26 4		n.a.	W26
T 27	23 45	25 7	4 29	25 25	1 57	18 2	3 14	18 11	0 5	14 32	0 53	13 39	1 59	18 42	0 45	23 10	0 34	6 28	9 59	20 13	19 55	26 3		n.a.	T 27
F 28	23 45	21 47	5 1	25 14	1 55	17 49	3 28	18 23	0 5	14 35	0 53	13 38	1 59	18 42	0 45	23 10	0 34	6 28	9 59	20 12	19 54	26 3		n.a.	F 28
S 29	23 44	17 7	5 12	25 2	1 51	17 36	3 43	18 35	0 4	14 39	0 53	13 38	1 59	18 43	0 45	23 10	0 34	6 29	9 59	20 11	19 53	26 2		n.a.	S 29
S 30	23 43	11 37	5 3	24 47	1 47	17 24	3 58	18 47	0 3	14 42	0 53	13 37	1 58	18 43	0 45	23 10	0 34	6 29	9 59	20 11	19 52	26 2		n.a.	S 30
M31	23s41	5s42	4s37	24s31	1s43	17s12	4n13	18s59	0n 2	14s45	0n53	13n37	1s58	18n44	0n45	23s10	0n34	6s29	9n59	20n10	19n52	26n 1		n.a.	M31

Julian Day Number = 1548628.5, Delta T = 04h32m28s
Ecliptic obliquity = 23°45'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'23, Lahiri = -10°29'22 Julian Calendar 1 Dec. 474 BCE == Greg. Calendar 26 Nov. 474 BCE

The year -473 astronomical counting style corresponds to year 474 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

JANUARY 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 16 28	5♑15'32	9♈47	17♑25	25°R 0	24♏45	12♏ 1	11°R29	9°R50	27♐45	13♏16	28°D52	27♉27	22♋32	n.a.	T 1
W 2	6 20 25	6°16'25	22°50	19° 9	24♑39	25°28	12°12	11♉28	9♌48	27°47	13°18	28♉53	27°24	22°39	n.a.	W 2
T 3	6 24 21	7°17'17	5♉33	20°52	24°15	26°12	12°22	11°26	9°45	27°49	13°19	28°55	27°20	22°46	n.a.	T 3
F 4	6 28 18	8°18'07	18° 0	22°33	23°50	26°56	12°32	11°24	9°43	27°51	13°21	28°56	27°17	22°53	n.a.	F 4
S 5	6 32 14	9°18'55	0♊14	24°13	23°22	27°40	12°43	11°23	9°41	27°54	13°22	28°R57	27°14	22°59	n.a.	S 5
S 6	6 36 11	10°19'42	12°19	25°51	22°52	28°24	12°53	11°21	9°39	27°56	13°24	28°56	27°11	23° 6	n.a.	S 6
M 7	6 40 8	11°20'28	24°17	27°26	22°21	29° 8	13° 3	11°20	9°37	27°58	13°25	28°53	27° 8	23°13	n.a.	M 7
T 8	6 44 4	12°21'12	6♋12	28°58	21°48	29°52	13°13	11°19	9°35	28° 0	13°27	28°48	27° 5	23°19	n.a.	T 8
W 9	6 48 1	13°21'54	18° 4	0♒27	21°13	0♐36	13°22	11°18	9°33	28° 3	13°28	28°40	27° 1	23°26	n.a.	W 9
T 10	6 51 57	14°22'35	29°55	1°51	20°38	1°20	13°32	11°17	9°30	28° 5	13°30	28°31	26°58	23°33	n.a.	T 10
F 11	6 55 54	15°23'14	11♌47	3°11	20° 2	2° 5	13°42	11°16	9°28	28° 7	13°31	28°22	26°55	23°39	n.a.	F 11
S 12	6 59 50	16°23'52	23°42	4°25	19°24	2°49	13°51	11°15	9°26	28° 9	13°32	28°13	26°52	23°46	n.a.	S 12
S 13	7 3 47	17°24'28	5♍41	5°32	18°47	3°33	14° 0	11°15	9°23	28°11	13°34	28° 4	26°49	23°53	n.a.	S 13
M14	7 7 44	18°25'03	17°49	6°33	18° 9	4°17	14°10	11°14	9°21	28°14	13°35	27°58	26°45	24° 0	n.a.	M14
T 15	7 11 40	19°25'36	0♎ 7	7°25	17°32	5° 1	14°19	11°14	9°19	28°16	13°36	27°53	26°42	24° 6	n.a.	T 15
W16	7 15 37	20°26'08	12°40	8°10	16°55	5°46	14°28	11°14	9°16	28°18	13°37	27°51	26°39	24°13	n.a.	W16
T 17	7 19 33	21°26'39	25°31	8°45	16°18	6°30	14°37	11°14	9°14	28°20	13°38	27°D51	26°36	24°20	n.a.	T 17
F 18	7 23 30	22°27'08	8♏45	9°11	15°43	7°14	14°45	11°D14	9°11	28°22	13°40	27°52	26°33	24°26	n.a.	F 18
S 19	7 27 26	23°27'36	22°26	9°27	15° 8	7°59	14°54	11°14	9° 9	28°24	13°41	27°R53	26°30	24°33	n.a.	S 19
S 20	7 31 23	24°28'02	6♐34	9°R33	14°35	8°43	15° 3	11°14	9° 6	28°26	13°42	27°53	26°26	24°40	n.a.	S 20
M21	7 35 19	25°28'27	21° 9	9°29	14° 3	9°28	15°11	11°14	9° 4	28°28	13°43	27°50	26°23	24°46	n.a.	M21
T 22	7 39 16	26°28'50	6♑ 8	9°15	13°33	10°12	15°19	11°15	9° 1	28°31	13°44	27°46	26°20	24°53	n.a.	T 22
W23	7 43 13	27°29'11	21°22	8°51	13° 5	10°56	15°27	11°15	8°59	28°33	13°45	27°39	26°17	25° 0	n.a.	W23
T 24	7 47 9	28°29'31	6♒42	8°18	12°39	11°41	15°35	11°16	8°56	28°35	13°46	27°30	26°14	25° 7	n.a.	T 24
F 25	7 51 6	29°29'49	21°56	7°38	12°15	12°25	15°43	11°17	8°54	28°37	13°47	27°20	26°11	25°13	n.a.	F 25
S 26	7 55 2	0♒30'04	6♓54	6°50	11°54	13°10	15°51	11°17	8°51	28°39	13°48	27°11	26° 7	25°20	n.a.	S 26
S 27	7 58 59	1°30'18	21°27	5°56	11°34	13°55	15°58	11°18	8°48	28°41	13°48	27° 3	26° 4	25°27	n.a.	S 27
M28	8 2 55	2°30'29	5♈31	4°58	11°17	14°39	16° 6	11°20	8°46	28°43	13°49	26°57	26° 1	25°33	n.a.	M28
T 29	8 6 52	3°30'38	19° 5	3°57	11° 3	15°24	16°13	11°21	8°43	28°45	13°50	26°54	25°58	25°40	n.a.	T 29
W30	8 10 48	4°30'44	2♉11	2°54	10°51	16° 8	16°20	11°22	8°41	28°47	13°51	26°D53	25°55	25°47	n.a.	W30
T 31	8 14 45	5♒30'49	14♉52	1♒51	10♑41	16♐53	16♏27	11♉24	8♌38	28♐48	13♏51	26♉54	25♉51	25♋53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23 s39	0n19	3 s56	24 s12	1 s37	17 s 1	4n28	19 s11	0n 2	14 s48	0n53	13n37	1 s58	18n44	0n45	23 s10	0n34	6 s30	9n59	20n10	19n51	26n 0			n.a.
W 2	23 36	6 9	3 4	23 52	1 31	16 50	4 43	19 22	0 1	14 52	0 53	13 36	1 58	18 45	0 45	23 10	0 34	6 30	10 0	20 10	19 50	26 0			n.a.
T 3	23 33	11 36	2 4	23 30	1 24	16 40	4 57	19 33	0 0	14 55	0 53	13 36	1 57	18 45	0 45	23 10	0 34	6 30	10 0	20 11	19 49	25 59			n.a.
F 4	23 29	16 28	0 59	23 6	1 17	16 30	5 12	19 44	0 s 1	14 58	0 53	13 36	1 57	18 46	0 45	23 10	0 34	6 31	10 0	20 11	19 49	25 58			n.a.
S 5	23 25	20 35	0n 7	22 40	1 8	16 21	5 26	19 55	0 1	15 1	0 53	13 36	1 57	18 47	0 45	23 10	0 34	6 31	10 0	20 11	19 48	25 58			n.a.
S 6	23 21	23 45	1 12	22 13	0 59	16 12	5 40	20 6	0 2	15 4	0 53	13 35	1 57	18 47	0 45	23 10	0 34	6 31	10 0	20 11	19 47	25 57			n.a.
M 7	23 16	25 51	2 13	21 44	0 49	16 4	5 53	20 17	0 3	15 7	0 53	13 35	1 56	18 48	0 45	23 10	0 34	6 31	10 1	20 10	19 46	25 56			n.a.
T 8	23 10	26 44	3 8	21 15	0 38	15 56	6 6	20 27	0 4	15 10	0 53	13 35	1 56	18 49	0 45	23 10	0 34	6 32	10 1	20 9	19 46	25 56			n.a.
W 9	23 4	26 23	3 54	20 44	0 26	15 49	6 18	20 37	0 5	15 13	0 53	13 35	1 56	18 49	0 45	23 10	0 34	6 32	10 1	20 8	19 45	25 55			n.a.
T 10	22 58	24 50	4 30	20 13	0 13	15 43	6 30	20 47	0 5	15 16	0 53	13 35	1 55	18 50	0 45	23 10	0 34	6 32	10 1	20 6	19 44	25 54			n.a.
F 11	22 51	22 11	4 54	19 42	0n 0	15 37	6 41	20 57	0 6	15 19	0 53	13 35	1 55	18 50	0 45	23 10	0 34	6 32	10 1	20 3	19 43	25 53			n.a.
S 12	22 44	18 36	5 6	19 11	0 14	15 32	6 52	21 7	0 7	15 22	0 53	13 35	1 55	18 51	0 45	23 10	0 34	6 32	10 1	20 1	19 43	25 53			n.a.
S 13	22 36	14 15	5 4	18 40	0 29	15 28	7 1	21 16	0 8	15 24	0 53	13 35	1 55	18 52	0 45	23 10	0 34	6 33	10 2	19 59	19 42	25 52			n.a.
M14	22 28	9 18	4 49	18 10	0 45	15 24	7 10	21 25	0 9	15 27	0 53	13 35	1 54	18 52	0 45	23 10	0 34	6 33	10 2	19 58	19 41	25 51			n.a.
T 15	22 20	3 55	4 20	17 41	1 1	15 21	7 18	21 34	0 9	15 30	0 53	13 36	1 54	18 53	0 45	23 10	0 34	6 33	10 2	19 57	19 41	25 50			n.a.
W16	22 11	1 s43	3 38	17 14	1 17	15 18	7 25	21 43	0 10	15 32	0 53	13 36	1 54	18 54	0 45	23 10	0 34	6 33	10 2	19 56	19 40	25 50			n.a.
T 17	22 1	7 26	2 45	16 48	1 33	15 16	7 31	21 52	0 11	15 35	0 53	13 36	1 53	18 54	0 45	23 10	0 34	6 33	10 3	19 56	19 39	25 49			n.a.
F 18	21 51	13 1	1 41	16 26	1 50	15 15	7 37	22 0	0 12	15 38	0 53	13 36	1 53	18 55	0 45	23 10	0 34	6 33	10 3	19 57	19 38	25 48			n.a.
S 19	21 41	18 9	0 29	16 5	2 6	15 15	7 41	22 8	0 13	15 40	0 53	13 36	1 53	18 56	0 45	23 11	0 34	6 33	10 3	19 57	19 38	25 47			n.a.
S 20	21 30	22 27	0 s46	15 48	2 22	15 15	7 45	22 16	0 14	15 43	0 54	13 37	1 53	18 56	0 45	23 11	0 34	6 34	10 3	19 57	19 37	25 47			n.a.
M21	21 19	25 28	2 1	15 35	2 38	15 15	7 47	22 24	0 14	15 45	0 54	13 37	1 52	18 57	0 45	23 11	0 34	6 34	10 3	19 56	19 36	25 46			n.a.
T 22	21 8	26 46	3 10	15 24	2 53	15 16	7 49	22 31	0 15	15 47	0 54	13 38	1 52	18 58	0 45	23 11	0 34	6 34	10 4	19 55	19 35	25 45			n.a.
W23	20 56	26 4	4 6	15 17	3 6	15 18	7 50	22 39	0 16	15 50	0 54	13 38	1 52	18 59	0 45	23 11	0 34	6 34	10 4	19 54	19 35	25 44			n.a.
T 24	20 44	23 25	4 44	15 14	3 18	15 20	7 50	22 46	0 17	15 52	0 54	13 39	1 51	18 59	0 45	23 11	0 34	6 34	10 4	19 52	19 34	25 43			n.a.
F 25	20 31	19 8	5 2	15 15	3 29	15 23	7 50	22 53	0 18	15 54	0 54	13 39	1 51	19 0	0 45	23 11	0 34	6 34	10 4	19 49	19 33	25 43			n.a.
S 26	20 18	13 43	4 59	15 18	3 38	15 26	7 48	22 59	0 19	15 56	0 54	13 40	1 51	19 1	0 45	23 11	0 34	6 34	10 5	19 47	19 32	25 42			n.a.
S 27	20 5	7 40	4 37	15 25	3 44	15 30	7 46	23 6	0 20	15 59	0 54	13 40	1 51	19 1	0 45	23 11	0 34	6 34	10 5	19 45	19 32	25 41			n.a.
M28	19 52	1 25	3 58	15 34	3 49	15 34	7 43	23 12	0 20	16 1	0 54	13 41	1 50	19 2	0 45	23 11	0 34	6 34	10 5	19 44	19 31	25 40			n.a.
T 29	19 37	4n41	3 7	15 46	3 52	15 39	7 40	23 18	0 21	16 3	0 54	13 41	1 50	19 3	0 45	23 11	0 34	6 34	10 5	19 43	19 30	25 39			n.a.
W30	19 23	10 24	2 8	16 0	3 52	15 44	7 36	23 23	0 22	16 5	0 54	13 42	1 50	19 3	0 45	23 11	0 34	6 34	10 6	19 43	19 29	25 38			n.a.
T 31	19 s 8	15n30	1 s 4	16 s16	3n50	15 s49	7n32	23 s29	0 s23	16 s 7	0n54	13n43	1 s49	19n 4	0n45	23 s11	0n34	6 s34	10n 6	19n43	19n28	25n37			n.a.

Julian Day Number = 1548659.5, Delta T = 04h32m26s
Ecliptic obliquity = 23°45'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'18, Lahiri = -10°29'18 Julian Calendar 1 Jan. 473 BCE == Greg. Calendar 27 Dec. 474 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

FEBRUARY 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 18 41	6♒30'51	27♉15	0°R50	10°R34	17♐38	16♏34	11♉25	8°R35	28♐50	13♏52	26°R54	25♉48	26♋ 0	n.a.	F 1
S 2	8 22 38	7°30'51	9♊22	29♑52	10♑29	18°22	16°41	11°27	8♌33	28°52	13°53	26♉53	25°45	26° 7	n.a.	S 2
S 3	8 26 35	8°30'49	21°20	28°58	10°D27	19° 7	16°47	11°29	8°30	28°54	13°53	26°51	25°42	26°14	n.a.	S 3
M 4	8 30 31	9°30'44	3♋13	28° 8	10°27	19°52	16°54	11°31	8°28	28°56	13°54	26°45	25°39	26°20	n.a.	M 4
T 5	8 34 28	10°30'38	15° 3	27°24	10°29	20°36	17° 0	11°33	8°25	28°58	13°55	26°37	25°36	26°27	n.a.	T 5
W 6	8 38 24	11°30'29	26°53	26°45	10°34	21°21	17° 6	11°35	8°22	29° 0	13°55	26°26	25°32	26°34	n.a.	W 6
T 7	8 42 21	12°30'18	8♌46	26°13	10°41	22° 6	17°12	11°37	8°20	29° 1	13°56	26°13	25°29	26°40	n.a.	T 7
F 8	8 46 17	13°30'04	20°43	25°48	10°51	22°51	17°18	11°39	8°17	29° 3	13°56	25°59	25°26	26°47	n.a.	F 8
S 9	8 50 14	14°29'49	2♍44	25°29	11° 2	23°36	17°24	11°42	8°14	29° 5	13°56	25°45	25°23	26°54	n.a.	S 9
S 10	8 54 10	15°29'32	14°52	25°17	11°16	24°20	17°29	11°44	8°12	29° 7	13°57	25°32	25°20	27° 1	n.a.	S 10
M11	8 58 7	16°29'13	27° 7	25°D11	11°32	25° 5	17°34	11°47	8° 9	29° 8	13°57	25°21	25°17	27° 7	n.a.	M11
T 12	9 2 4	17°28'51	9♎32	25°11	11°49	25°50	17°40	11°50	8° 7	29°10	13°58	25°14	25°13	27°14	n.a.	T 12
W13	9 6 0	18°28'28	22° 9	25°17	12° 9	26°35	17°45	11°52	8° 4	29°12	13°58	25° 9	25°10	27°21	n.a.	W13
T 14	9 9 57	19°28'03	5♏ 1	25°29	12°31	27°20	17°49	11°55	8° 2	29°13	13°58	25° 7	25° 7	27°27	n.a.	T 14
F 15	9 13 53	20°27'36	18°11	25°46	12°54	28° 5	17°54	11°58	7°59	29°15	13°58	25° 6	25° 4	27°34	n.a.	F 15
S 16	9 17 50	21°27'08	1♐43	26° 9	13°19	28°50	17°59	12° 2	7°57	29°16	13°58	25° 6	25° 1	27°41	n.a.	S 16
S 17	9 21 46	22°26'37	15°38	26°36	13°46	29°35	18° 3	12° 5	7°54	29°18	13°59	25° 5	24°57	27°47	n.a.	S 17
M18	9 25 43	23°26'05	29°58	27° 7	14°14	0♑20	18° 7	12° 8	7°51	29°20	13°59	25° 3	24°54	27°54	n.a.	M18
T 19	9 29 39	24°25'31	14♑41	27°43	14°44	1° 5	18°11	12°12	7°49	29°21	13°59	24°57	24°51	28° 1	n.a.	T 19
W20	9 33 36	25°24'55	29°42	28°23	15°16	1°50	18°15	12°15	7°47	29°23	13°59	24°49	24°48	28° 8	n.a.	W20
T 21	9 37 33	26°24'17	14♒53	29° 7	15°48	2°35	18°18	12°19	7°44	29°24	13°R59	24°38	24°45	28°14	n.a.	T 21
F 22	9 41 29	27°23'36	0♓ 3	29°54	16°23	3°20	18°22	12°23	7°42	29°25	13°59	24°27	24°42	28°21	n.a.	F 22
S 23	9 45 26	28°22'54	15° 1	0♒45	16°58	4° 5	18°25	12°26	7°39	29°27	13°59	24°16	24°38	28°28	n.a.	S 23
S 24	9 49 22	29°22'09	29°39	1°39	17°35	4°50	18°28	12°30	7°37	29°28	13°59	24° 6	24°35	28°34	n.a.	S 24
M25	9 53 19	0♓21'22	13♈50	2°36	18°13	5°35	18°31	12°34	7°35	29°29	13°59	23°59	24°32	28°41	n.a.	M25
T 26	9 57 15	1°20'32	27°31	3°35	18°52	6°20	18°34	12°39	7°32	29°31	13°58	23°54	24°29	28°48	n.a.	T 26
W27	10 1 12	2°19'40	10♉44	4°38	19°32	7° 5	18°36	12°43	7°30	29°32	13°58	23°52	24°26	28°55	n.a.	W27
T 28	10 5 8	3°18'46	23°30	5°42	20°13	7°50	18°39	12°47	7°28	29°33	13°58	23°D52	24°23	29° 1	n.a.	T 28
F 29	10 9 5	4♓17'49	5♊55	6♒50	20♑56	8♑35	18♏41	12♉51	7♌25	29♐35	13♏58	23°R52	24♉19	29♋ 8	n.a.	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18s53	19n50	0n 2	16s33	3n46	15s54	7n27	23s34	0s24	16s 9	0n54	13n44	1s49	19n 5	0n45	23s11	0n34	6s34	10n 6	19n43	19n28	25n37		n.a.	F 1
S 2	18 38	23 14	1 6	16 51	3 41	16 0	7 21	23 39	0 25	16 10	0 54	13 44	1 49	19 6	0 45	23 11	0 34	6 34	10 6	19 43	19 27	25 36		n.a.	S 2
S 3	18 22	25 34	2 6	17 10	3 33	16 6	7 16	23 44	0 26	16 12	0 54	13 45	1 49	19 6	0 45	23 11	0 34	6 34	10 6	19 42	19 26	25 35		n.a.	S 3
M 4	18 6	26 43	3 0	17 28	3 24	16 12	7 9	23 48	0 27	16 14	0 54	13 46	1 48	19 7	0 45	23 11	0 34	6 34	10 7	19 41	19 25	25 34		n.a.	M 4
T 5	17 50	26 38	3 46	17 47	3 14	16 18	7 3	23 52	0 28	16 16	0 55	13 47	1 48	19 8	0 45	23 11	0 34	6 34	10 7	19 39	19 25	25 33		n.a.	T 5
W 6	17 33	25 20	4 22	18 6	3 3	16 25	6 56	23 56	0 28	16 17	0 55	13 48	1 48	19 8	0 45	23 11	0 34	6 34	10 7	19 37	19 24	25 32		n.a.	W 6
T 7	17 16	22 54	4 46	18 24	2 50	16 31	6 49	24 0	0 29	16 19	0 55	13 49	1 47	19 9	0 45	23 11	0 34	6 33	10 7	19 34	19 23	25 31		n.a.	T 7
F 8	16 59	19 29	4 59	18 41	2 38	16 38	6 42	24 4	0 30	16 21	0 55	13 50	1 47	19 10	0 45	23 11	0 34	6 33	10 8	19 30	19 22	25 30		n.a.	F 8
S 9	16 42	15 15	4 58	18 57	2 24	16 45	6 34	24 7	0 31	16 22	0 55	13 51	1 47	19 10	0 45	23 11	0 34	6 33	10 8	19 27	19 22	25 29		n.a.	S 9
S 10	16 24	10 23	4 43	19 13	2 11	16 51	6 26	24 10	0 32	16 24	0 55	13 52	1 47	19 11	0 45	23 11	0 34	6 33	10 8	19 24	19 21	25 28		n.a.	S 10
M11	16 6	5 4	4 16	19 28	1 57	16 58	6 18	24 13	0 33	16 25	0 55	13 53	1 46	19 12	0 45	23 11	0 34	6 33	10 8	19 21	19 20	25 27		n.a.	M11
T 12	15 48	0s32	3 36	19 41	1 43	17 4	6 10	24 15	0 34	16 27	0 55	13 54	1 46	19 12	0 45	23 11	0 34	6 33	10 9	19 19	19 19	25 26		n.a.	T 12
W13	15 29	6 12	2 45	19 54	1 29	17 11	6 2	24 17	0 35	16 28	0 55	13 55	1 46	19 13	0 45	23 11	0 34	6 33	10 9	19 18	19 18	25 26		n.a.	W13
T 14	15 11	11 44	1 44	20 5	1 16	17 17	5 54	24 19	0 36	16 29	0 55	13 56	1 46	19 14	0 45	23 11	0 34	6 32	10 9	19 18	19 18	25 25		n.a.	T 14
F 15	14 52	16 53	0 37	20 15	1 2	17 23	5 45	24 21	0 37	16 30	0 55	13 58	1 45	19 14	0 45	23 11	0 34	6 32	10 9	19 18	19 17	25 24		n.a.	F 15
S 16	14 32	21 21	0s35	20 24	0 49	17 29	5 37	24 23	0 38	16 32	0 55	13 59	1 45	19 15	0 45	23 11	0 34	6 32	10 10	19 18	19 16	25 23		n.a.	S 16
S 17	14 13	24 44	1 46	20 31	0 36	17 35	5 28	24 24	0 39	16 33	0 55	14 0	1 45	19 16	0 45	23 11	0 34	6 32	10 10	19 17	19 15	25 22		n.a.	S 17
M18	13 53	26 38	2 53	20 37	0 24	17 41	5 20	24 25	0 40	16 34	0 55	14 1	1 45	19 16	0 45	23 11	0 34	6 32	10 10	19 17	19 15	25 21		n.a.	M18
T 19	13 33	26 44	3 50	20 42	0 11	17 46	5 11	24 25	0 41	16 35	0 56	14 3	1 44	19 17	0 45	23 11	0 34	6 32	10 10	19 15	19 14	25 20		n.a.	T 19
W20	13 13	24 54	4 32	20 46	0s 1	17 51	5 3	24 26	0 41	16 36	0 56	14 4	1 44	19 18	0 45	23 11	0 34	6 31	10 11	19 13	19 13	25 19		n.a.	W20
T 21	12 53	21 17	4 56	20 48	0 12	17 56	4 54	24 26	0 42	16 37	0 56	14 5	1 44	19 18	0 45	23 11	0 34	6 31	10 11	19 11	19 12	25 18		n.a.	T 21
F 22	12 32	16 15	4 59	20 49	0 23	18 1	4 46	24 26	0 43	16 38	0 56	14 7	1 43	19 19	0 45	23 11	0 34	6 31	10 11	19 8	19 11	25 17		n.a.	F 22
S 23	12 11	10 17	4 41	20 48	0 33	18 5	4 37	24 26	0 44	16 39	0 56	14 8	1 43	19 20	0 45	23 11	0 34	6 31	10 11	19 5	19 11	25 15		n.a.	S 23
S 24	11 51	3 53	4 5	20 46	0 44	18 9	4 29	24 25	0 45	16 39	0 56	14 10	1 43	19 20	0 45	23 11	0 34	6 30	10 12	19 3	19 10	25 14		n.a.	S 24
M25	11 30	2n33	3 15	20 42	0 53	18 12	4 20	24 24	0 46	16 40	0 56	14 11	1 43	19 21	0 45	23 11	0 34	6 30	10 12	19 1	19 9	25 13		n.a.	M25
T 26	11 8	8 38	2 14	20 37	1 2	18 15	4 12	24 23	0 47	16 41	0 56	14 13	1 42	19 21	0 45	23 11	0 34	6 30	10 12	19 0	19 8	25 12		n.a.	T 26
W27	10 47	14 9	1 9	20 30	1 11	18 18	4 3	24 22	0 48	16 41	0 56	14 14	1 42	19 22	0 45	23 11	0 34	6 30	10 12	18 59	19 8	25 11		n.a.	W27
T 28	10 25	18 52	0 2	20 22	1 19	18 20	3 55	24 20	0 49	16 42	0 56	14 16	1 42	19 23	0 45	23 11	0 34	6 29	10 13	18 59	19 7	25 10		n.a.	T 28
F 29	10s 4	22n37	1n 3	20s13	1s27	18s22	3n46	24s18	0s50	16s43	0n56	14n17	1s42	19n23	0n45	23s11	0n34	6s29	10n13	18n59	19n 6	25n 9		n.a.	F 29

Julian Day Number = 1548690.5, Delta T = 04h32m25s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'14, Lahiri = -10°29'14 Julian Calendar 1 Feb. 473 BCE == Greg. Calendar 27 Jan. 473 BCE

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

MARCH 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 13 1	5♓16'50	18♊ 4	7♒59	21♉39	9♉20	18♏43	12♉56	7°R23	29♐36	13°R57	23°R51	24♉16	29♋15	n.a.	S 1
S 2	10 16 58	6°15'49	0♋ 1	9°11	22°23	10° 5	18°45	13° 0	7♌21	29°37	13♏57	23♉49	24°13	29°21	n.a.	S 2
M 3	10 20 55	7°14'45	11°53	10°25	23° 8	10°50	18°46	13° 5	7°19	29°38	13°57	23°44	24°10	29°28	n.a.	M 3
T 4	10 24 51	8°13'39	23°42	11°41	23°55	11°35	18°48	13°10	7°17	29°39	13°56	23°37	24° 7	29°35	n.a.	T 4
W 5	10 28 48	9°12'30	5♌34	12°59	24°41	12°20	18°49	13°15	7°14	29°40	13°56	23°27	24° 3	29°42	n.a.	W 5
T 6	10 32 44	10°11'20	17°30	14°19	25°29	13° 5	18°50	13°20	7°12	29°41	13°56	23°15	24° 0	29°48	n.a.	T 6
F 7	10 36 41	11°10'07	29°33	15°41	26°18	13°50	18°51	13°25	7°10	29°42	13°55	23° 2	23°57	29°55	n.a.	F 7
S 8	10 40 37	12° 8'51	11♍44	17° 4	27° 7	14°35	18°52	13°30	7° 8	29°43	13°55	22°49	23°54	0♌ 2	n.a.	S 8
S 9	10 44 34	13° 7'34	24° 4	18°30	27°57	15°20	18°52	13°35	7° 6	29°44	13°54	22°37	23°51	0° 8	n.a.	S 9
M10	10 48 30	14° 6'15	6♎33	19°57	28°47	16° 5	18°53	13°40	7° 4	29°45	13°54	22°27	23°48	0°15	n.a.	M10
T 11	10 52 27	15° 4'53	19°13	21°26	29°39	16°50	18°R53	13°45	7° 3	29°46	13°53	22°20	23°44	0°22	n.a.	T 11
W12	10 56 24	16° 3'30	2♏ 3	22°56	0♒31	17°35	18°53	13°51	7° 1	29°47	13°52	22°16	23°41	0°29	n.a.	W12
T 13	11 0 20	17° 2'05	15° 6	24°28	1°23	18°21	18°52	13°56	6°59	29°48	13°52	22°14	23°38	0°35	n.a.	T 13
F 14	11 4 17	18° 0'38	28°23	26° 2	2°17	19° 6	18°52	14° 2	6°57	29°49	13°51	22°D14	23°35	0°42	n.a.	F 14
S 15	11 8 13	18°59'10	11♐56	27°38	3°10	19°51	18°51	14° 7	6°55	29°49	13°50	22°15	23°32	0°49	n.a.	S 15
S 16	11 12 10	19°57'40	25°46	29°15	4° 5	20°36	18°51	14°13	6°54	29°50	13°50	22°R15	23°28	0°55	n.a.	S 16
M17	11 16 6	20°56'08	9♉55	0♓54	4°59	21°21	18°50	14°18	6°52	29°51	13°49	22°13	23°25	1° 2	n.a.	M17
T 18	11 20 3	21°54'34	24°20	2°35	5°55	22° 6	18°49	14°24	6°50	29°52	13°48	22° 9	23°22	1° 9	n.a.	T 18
W19	11 23 59	22°52'59	9♒ 0	4°17	6°51	22°51	18°47	14°30	6°49	29°52	13°47	22° 3	23°19	1°16	n.a.	W19
T 20	11 27 56	23°51'22	23°48	6° 1	7°47	23°36	18°46	14°36	6°47	29°53	13°46	21°56	23°16	1°22	n.a.	T 20
F 21	11 31 53	24°49'43	8♓37	7°47	8°44	24°21	18°44	14°42	6°46	29°53	13°45	21°47	23°13	1°29	n.a.	F 21
S 22	11 35 49	25°48'03	23°19	9°34	9°41	25° 6	18°42	14°48	6°44	29°54	13°44	21°38	23° 9	1°36	n.a.	S 22
S 23	11 39 46	26°46'20	7♈45	11°23	10°39	25°51	18°40	14°54	6°43	29°54	13°44	21°31	23° 6	1°42	n.a.	S 23
M24	11 43 42	27°44'35	21°50	13°14	11°37	26°36	18°38	15° 0	6°42	29°55	13°43	21°25	23° 3	1°49	n.a.	M24
T 25	11 47 39	28°42'49	5♉30	15° 6	12°35	27°21	18°35	15° 7	6°40	29°55	13°42	21°22	23° 0	1°56	n.a.	T 25
W26	11 51 35	29°41'00	18°44	17° 0	13°34	28° 6	18°32	15°13	6°39	29°56	13°41	21°D20	22°57	2° 3	n.a.	W26
T 27	11 55 32	0♈39'10	1♊34	18°56	14°33	28°50	18°30	15°19	6°38	29°56	13°40	21°21	22°54	2° 9	n.a.	T 27
F 28	11 59 28	1°37'17	14° 3	20°53	15°33	29°35	18°27	15°26	6°37	29°57	13°38	21°22	22°50	2°16	n.a.	F 28
S 29	12 3 25	2°35'23	26°15	22°52	16°33	0♒20	18°23	15°32	6°35	29°57	13°37	21°23	22°47	2°23	n.a.	S 29
S 30	12 7 21	3°33'26	8♋15	24°52	17°33	1° 5	18°20	15°39	6°34	29°57	13°36	21°R23	22°44	2°29	n.a.	S 30
M31	12 11 18	4♈31'27	20♋ 8	26♓55	18♒33	1♒50	18♏17	15♉45	6♌33	29♐57	13♏35	21♉21	22♉41	2♌36	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s42	25n16	2n 4	20s 2	1s34	18s24	3n38	24s16	0s51	16s43	0n56	14n19	1s42	19n24	0n45	23s11	0n34	6s29	10n13	18n59	19n 5	25n 8		n.a.
S 2	9 20	26 44	2 59	19 49	1 41	18 25	3 30	24 14	0 52	16 44	0 56	14 20	1 41	19 24	0 45	23 11	0 34	6 28	10 13	18 58	19 4	25 7		n.a.
M 3	8 58	26 57	3 45	19 35	1 47	18 26	3 22	24 11	0 53	16 44	0 56	14 22	1 41	19 25	0 45	23 11	0 34	6 28	10 13	18 57	19 4	25 6		n.a.
T 4	8 36	25 56	4 21	19 19	1 53	18 26	3 13	24 8	0 54	16 44	0 57	14 24	1 41	19 25	0 45	23 11	0 34	6 28	10 14	18 55	19 3	25 5		n.a.
W 5	8 13	23 45	4 47	19 2	1 58	18 26	3 5	24 5	0 55	16 45	0 57	14 25	1 41	19 26	0 45	23 11	0 34	6 27	10 14	18 53	19 2	25 4		n.a.
T 6	7 51	20 32	4 59	18 43	2 3	18 25	2 57	24 2	0 56	16 45	0 57	14 27	1 40	19 26	0 45	23 11	0 34	6 27	10 14	18 50	19 1	25 3		n.a.
F 7	7 28	16 26	4 59	18 23	2 8	18 24	2 50	23 58	0 57	16 45	0 57	14 29	1 40	19 27	0 45	23 11	0 34	6 27	10 14	18 46	19 0	25 1		n.a.
S 8	7 6	11 38	4 45	18 1	2 12	18 22	2 42	23 54	0 58	16 45	0 57	14 31	1 40	19 27	0 45	23 11	0 34	6 26	10 15	18 43	19 0	25 0		n.a.
S 9	6 43	6 19	4 17	17 37	2 15	18 20	2 34	23 50	0 59	16 45	0 57	14 32	1 40	19 28	0 45	23 11	0 34	6 26	10 15	18 40	18 59	24 59		n.a.
M10	6 20	0 41	3 37	17 12	2 18	18 17	2 26	23 45	1 0	16 45	0 57	14 34	1 39	19 28	0 45	23 11	0 34	6 26	10 15	18 38	18 58	24 58		n.a.
T 11	5 57	5s 4	2 46	16 45	2 20	18 14	2 19	23 41	1 1	16 45	0 57	14 36	1 39	19 29	0 45	23 11	0 34	6 25	10 15	18 36	18 57	24 57		n.a.
W12	5 34	10 42	1 45	16 17	2 22	18 10	2 11	23 36	1 2	16 45	0 57	14 38	1 39	19 29	0 45	23 11	0 34	6 25	10 15	18 35	18 56	24 56		n.a.
T 13	5 11	15 58	0 38	15 47	2 23	18 6	2 4	23 31	1 3	16 45	0 57	14 40	1 39	19 30	0 45	23 11	0 34	6 25	10 16	18 34	18 56	24 54		n.a.
F 14	4 48	20 35	0s33	15 15	2 24	18 1	1 57	23 25	1 4	16 45	0 57	14 41	1 39	19 30	0 45	23 11	0 34	6 24	10 16	18 34	18 55	24 53		n.a.
S 15	4 25	24 13	1 43	14 42	2 24	17 56	1 49	23 20	1 5	16 45	0 57	14 43	1 38	19 31	0 45	23 11	0 34	6 24	10 16	18 34	18 54	24 52		n.a.
S 16	4 2	26 30	2 49	14 8	2 24	17 50	1 42	23 14	1 6	16 44	0 57	14 45	1 38	19 31	0 45	23 11	0 34	6 23	10 16	18 34	18 53	24 51		n.a.
M17	3 38	27 8	3 46	13 32	2 23	17 44	1 35	23 8	1 7	16 44	0 57	14 47	1 38	19 31	0 45	23 11	0 34	6 23	10 16	18 34	18 52	24 50		n.a.
T 18	3 15	25 57	4 30	12 54	2 22	17 37	1 28	23 1	1 8	16 44	0 57	14 49	1 38	19 32	0 45	23 11	0 34	6 23	10 17	18 33	18 52	24 49		n.a.
W19	2 52	23 0	4 57	12 14	2 20	17 30	1 21	22 55	1 8	16 43	0 57	14 51	1 37	19 32	0 45	23 11	0 34	6 22	10 17	18 31	18 51	24 47		n.a.
T 20	2 28	18 32	5 4	11 33	2 18	17 22	1 15	22 48	1 9	16 43	0 57	14 53	1 37	19 33	0 45	23 11	0 34	6 22	10 17	18 29	18 50	24 46		n.a.
F 21	2 5	12 56	4 51	10 51	2 15	17 13	1 8	22 41	1 10	16 42	0 58	14 55	1 37	19 33	0 45	23 11	0 34	6 21	10 17	18 27	18 49	24 45		n.a.
S 22	1 41	6 39	4 20	10 7	2 12	17 4	1 2	22 34	1 11	16 42	0 58	14 57	1 37	19 33	0 45	23 11	0 34	6 21	10 17	18 25	18 48	24 44		n.a.
S 23	1 18	0 7	3 31	9 21	2 8	16 55	0 55	22 26	1 12	16 41	0 58	14 59	1 37	19 34	0 45	23 11	0 34	6 20	10 17	18 23	18 48	24 42		n.a.
M24	0 55	6n17	2 31	8 34	2 3	16 45	0 49	22 19	1 13	16 40	0 58	15 1	1 36	19 34	0 45	23 11	0 34	6 20	10 18	18 21	18 47	24 41		n.a.
T 25	0 31	12 13	1 24	7 46	1 58	16 34	0 43	22 11	1 14	16 40	0 58	15 3	1 36	19 34	0 45	23 11	0 34	6 20	10 18	18 20	18 46	24 40		n.a.
W26	0 8	17 24	0 14	6 55	1 53	16 23	0 37	22 3	1 15	16 39	0 58	15 5	1 36	19 35	0 45	23 11	0 34	6 19	10 18	18 20	18 45	24 39		n.a.
T 27	0n16	21 38	0n55	6 4	1 47	16 12	0 31	21 54	1 16	16 38	0 58	15 7	1 36	19 35	0 45	23 11	0 34	6 19	10 18	18 20	18 44	24 37		n.a.
F 28	0 39	24 45	1 59	5 11	1 40	16 0	0 25	21 46	1 17	16 37	0 58	15 9	1 36	19 35	0 45	23 11	0 34	6 18	10 18	18 20	18 43	24 36		n.a.
S 29	1 3	26 39	2 57	4 17	1 33	15 47	0 19	21 37	1 18	16 36	0 58	15 11	1 36	19 35	0 45	23 11	0 34	6 18	10 18	18 21	18 43	24 35		n.a.
S 30	1 26	27 15	3 45	3 22	1 25	15 34	0 13	21 28	1 19	16 35	0 58	15 13	1 35	19 36	0 45	23 11	0 34	6 17	10 18	18 21	18 42	24 33		n.a.
M31	1n49	26n34	4n24	2s25	1s17	15s20	0n 8	21s19	1s20	16s34	0n58	15n15	1s35	19n36	0n45	23s11	0n34	6s17	10n19	18n20	18n41	24n32		n.a.

Julian Day Number = 1548719.5, Delta T = 04h32m24s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'10, Lahiri = -10°29'10 Julian Calendar 1 March 473 BCE == Greg. Calendar 25 Feb. 473 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

APRIL 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 15 15	5♈29'26	2♌ 0	28♓58	19♒34	2♒35	18°R13	15♉52	6°R32	29♐58	13°R34	21°R18	22♉38	2♌43	n.a.	T 1
W 2	12 19 11	6°27'24	13°54	1♈ 3	20°35	3°19	18♏ 9	15°59	6♌31	29°58	13♏33	21♉13	22°34	2°50	n.a.	W 2
T 3	12 23 8	7°25'19	25°54	3°10	21°37	4° 4	18° 5	16° 5	6°31	29°58	13°32	21° 6	22°31	2°56	n.a.	T 3
F 4	12 27 4	8°23'13	8♍ 3	5°17	22°38	4°49	18° 1	16°12	6°30	29°58	13°30	20°59	22°28	3° 3	n.a.	F 4
S 5	12 31 1	9°21'04	20°24	7°26	23°40	5°34	17°56	16°19	6°29	29°58	13°29	20°51	22°25	3°10	n.a.	S 5
S 6	12 34 57	10°18'54	2♎57	9°35	24°43	6°18	17°52	16°26	6°28	29°58	13°28	20°44	22°22	3°16	n.a.	S 6
M 7	12 38 54	11°16'42	15°43	11°45	25°45	7° 3	17°47	16°33	6°28	29°R58	13°27	20°39	22°19	3°23	n.a.	M 7
T 8	12 42 50	12°14'29	28°41	13°55	26°48	7°48	17°42	16°40	6°27	29°58	13°25	20°35	22°15	3°30	n.a.	T 8
W 9	12 46 47	13°12'14	11♏53	16° 6	27°51	8°32	17°37	16°47	6°26	29°58	13°24	20°33	22°12	3°37	n.a.	W 9
T 10	12 50 44	14° 9'58	25°16	18°16	28°54	9°17	17°32	16°54	6°26	29°58	13°23	20°D33	22° 9	3°43	n.a.	T 10
F 11	12 54 40	15° 7'41	8♐51	20°26	29°58	10° 1	17°27	17° 1	6°25	29°58	13°21	20°34	22° 6	3°50	n.a.	F 11
S 12	12 58 37	16° 5'23	22°37	22°35	1♓ 1	10°46	17°22	17° 8	6°25	29°58	13°20	20°35	22° 3	3°57	n.a.	S 12
S 13	13 2 33	17° 3'03	6♑34	24°43	2° 5	11°30	17°16	17°15	6°25	29°58	13°19	20°36	22° 0	4° 3	n.a.	S 13
M14	13 6 30	18° 0'42	20°41	26°50	3° 9	12°15	17°10	17°23	6°24	29°58	13°17	20°R37	21°56	4°10	n.a.	M14
T 15	13 10 26	18°58'20	4♒56	28°56	4°14	12°59	17° 5	17°30	6°24	29°57	13°16	20°36	21°53	4°17	n.a.	T 15
W16	13 14 23	19°55'57	19°17	1♉ 0	5°18	13°43	16°59	17°37	6°24	29°57	13°14	20°33	21°50	4°24	n.a.	W16
T 17	13 18 19	20°53'33	3♓41	3° 1	6°23	14°28	16°53	17°44	6°24	29°57	13°13	20°30	21°47	4°30	n.a.	T 17
F 18	13 22 16	21°51'08	18° 3	5° 1	7°28	15°12	16°47	17°52	6°24	29°56	13°11	20°26	21°44	4°37	n.a.	F 18
S 19	13 26 13	22°48'42	2♈18	6°58	8°33	15°56	16°40	17°59	6°D24	29°56	13°10	20°22	21°40	4°44	n.a.	S 19
S 20	13 30 9	23°46'14	16°21	8°53	9°38	16°40	16°34	18° 7	6°24	29°56	13° 9	20°18	21°37	4°50	n.a.	S 20
M21	13 34 6	24°43'45	0♉ 7	10°45	10°43	17°25	16°27	18°14	6°24	29°55	13° 7	20°16	21°34	4°57	n.a.	M21
T 22	13 38 2	25°41'15	13°34	12°34	11°49	18° 9	16°21	18°22	6°24	29°55	13° 6	20°15	21°31	5° 4	n.a.	T 22
W23	13 41 59	26°38'44	26°41	14°21	12°55	18°53	16°14	18°29	6°24	29°54	13° 4	20°D15	21°28	5°11	n.a.	W23
T 24	13 45 55	27°36'12	9♊27	16° 5	14° 1	19°37	16° 7	18°37	6°24	29°54	13° 2	20°16	21°25	5°17	n.a.	T 24
F 25	13 49 52	28°33'38	21°56	17°46	15° 7	20°21	16° 0	18°44	6°25	29°53	13° 1	20°17	21°21	5°24	n.a.	F 25
S 26	13 53 48	29°31'03	4♋ 9	19°24	16°13	21° 5	15°53	18°52	6°25	29°53	12°59	20°19	21°18	5°31	n.a.	S 26
S 27	13 57 45	0♉28'26	16°11	20°59	17°19	21°48	15°46	19° 0	6°25	29°52	12°58	20°20	21°15	5°37	n.a.	S 27
M28	14 1 42	1°25'49	28° 6	22°31	18°26	22°32	15°39	19° 7	6°26	29°52	12°56	20°R21	21°12	5°44	n.a.	M28
T 29	14 5 38	2°23'10	9♌59	24° 0	19°32	23°16	15°32	19°15	6°26	29°51	12°55	20°20	21° 9	5°51	n.a.	T 29
W30	14 9 35	3♉20'30	21♌55	25♉26	20♓39	24♒ 0	15♏25	19♉23	6♌27	29♐50	12♏53	20♉20	21♉ 6	5♌58	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n13	24n42	4n51	1s28	1s 9	15s 6	0n 2	21s 9	1s21	16s33	0n58	15n17	1s35	19n36	0n44	23s11	0n34	6s16	10n19	18n19	18n40	24n31		n.a.
W 2	2 36	21 44	5 6	0 29	1 0	14 52	0s 3	21 0	1 22	16 32	0 58	15 20	1 35	19 36	0 44	23 11	0 34	6 16	10 19	18 18	18 39	24 30		n.a.
T 3	2 59	17 51	5 7	0n30	0 50	14 37	0 8	20 50	1 23	16 31	0 58	15 22	1 35	19 36	0 44	23 11	0 34	6 16	10 19	18 16	18 39	24 28		n.a.
F 4	3 22	13 12	4 55	1 30	0 41	14 21	0 13	20 40	1 24	16 30	0 58	15 24	1 34	19 37	0 44	23 11	0 34	6 15	10 19	18 14	18 38	24 27		n.a.
S 5	3 45	7 58	4 29	2 31	0 31	14 6	0 18	20 30	1 25	16 28	0 58	15 26	1 34	19 37	0 44	23 11	0 34	6 15	10 19	18 12	18 37	24 26		n.a.
S 6	4 8	2 19	3 49	3 32	0 21	13 49	0 23	20 19	1 26	16 27	0 58	15 28	1 34	19 37	0 44	23 11	0 34	6 14	10 19	18 10	18 36	24 24		n.a.
M 7	4 31	3s32	2 58	4 33	0 10	13 32	0 28	20 9	1 27	16 26	0 58	15 30	1 34	19 37	0 44	23 11	0 34	6 14	10 19	18 9	18 35	24 23		n.a.
T 8	4 54	9 21	1 56	5 34	0n 0	13 15	0 33	19 58	1 28	16 25	0 58	15 32	1 34	19 37	0 44	23 11	0 34	6 13	10 19	18 8	18 34	24 22		n.a.
W 9	5 17	14 51	0 47	6 35	0 11	12 57	0 37	19 47	1 29	16 23	0 58	15 35	1 34	19 37	0 44	23 11	0 34	6 13	10 20	18 7	18 34	24 20		n.a.
T 10	5 39	19 45	0s26	7 35	0 22	12 39	0 42	19 36	1 29	16 22	0 58	15 37	1 34	19 37	0 44	23 11	0 34	6 12	10 20	18 7	18 33	24 19		n.a.
F 11	6 2	23 41	1 38	8 35	0 32	12 21	0 46	19 25	1 30	16 20	0 58	15 39	1 33	19 37	0 44	23 11	0 34	6 12	10 20	18 8	18 32	24 17		n.a.
S 12	6 25	26 18	2 46	9 34	0 43	12 2	0 50	19 14	1 31	16 19	0 58	15 41	1 33	19 38	0 44	23 11	0 34	6 11	10 20	18 8	18 31	24 16		n.a.
S 13	6 47	27 20	3 45	10 31	0 53	11 43	0 54	19 2	1 32	16 17	0 58	15 43	1 33	19 38	0 44	23 11	0 34	6 11	10 20	18 8	18 30	24 15		n.a.
M14	7 9	26 36	4 31	11 27	1 3	11 23	0 58	18 50	1 33	16 15	0 58	15 45	1 33	19 38	0 44	23 11	0 34	6 10	10 20	18 8	18 29	24 13		n.a.
T 15	7 31	24 8	5 1	12 22	1 12	11 3	1 2	18 38	1 34	16 14	0 58	15 48	1 33	19 38	0 44	23 11	0 34	6 10	10 20	18 8	18 29	24 12		n.a.
W16	7 54	20 9	5 12	13 14	1 21	10 42	1 6	18 26	1 35	16 12	0 58	15 50	1 33	19 38	0 44	23 11	0 35	6 10	10 20	18 7	18 28	24 10		n.a.
T 17	8 16	14 59	5 4	14 5	1 30	10 21	1 9	18 14	1 36	16 10	0 58	15 52	1 32	19 38	0 44	23 11	0 35	6 9	10 20	18 7	18 27	24 9		n.a.
F 18	8 37	9 1	4 37	14 54	1 38	10 0	1 13	18 2	1 37	16 9	0 58	15 54	1 32	19 38	0 44	23 11	0 35	6 9	10 20	18 5	18 26	24 8		n.a.
S 19	8 59	2 37	3 53	15 41	1 45	9 39	1 16	17 49	1 38	16 7	0 58	15 56	1 32	19 38	0 44	23 11	0 35	6 8	10 20	18 4	18 25	24 6		n.a.
S 20	9 21	3n49	2 55	16 25	1 52	9 17	1 19	17 37	1 39	16 5	0 58	15 59	1 32	19 38	0 44	23 11	0 35	6 8	10 20	18 3	18 24	24 5		n.a.
M21	9 42	9 59	1 48	17 7	1 58	8 55	1 23	17 24	1 39	16 3	0 58	16 1	1 32	19 38	0 44	23 11	0 35	6 7	10 20	18 3	18 24	24 3		n.a.
T 22	10 3	15 32	0 37	17 47	2 4	8 32	1 26	17 11	1 40	16 1	0 58	16 3	1 32	19 37	0 44	23 11	0 35	6 7	10 20	18 2	18 23	24 2		n.a.
W23	10 24	20 15	0n35	18 24	2 9	8 9	1 29	16 58	1 41	16 0	0 58	16 5	1 32	19 37	0 44	23 11	0 35	6 6	10 20	18 2	18 22	24 0		n.a.
T 24	10 45	23 52	1 44	18 59	2 13	7 46	1 31	16 45	1 42	15 58	0 58	16 8	1 32	19 37	0 44	23 11	0 35	6 6	10 20	18 3	18 21	23 59		n.a.
F 25	11 6	26 15	2 46	19 31	2 16	7 23	1 34	16 31	1 43	15 56	0 58	16 10	1 31	19 37	0 44	23 11	0 35	6 5	10 20	18 3	18 20	23 57		n.a.
S 26	11 27	27 20	3 39	20 2	2 19	6 59	1 37	16 18	1 44	15 54	0 57	16 12	1 31	19 37	0 44	23 11	0 35	6 5	10 20	18 3	18 19	23 56		n.a.
S 27	11 47	27 5	4 21	20 29	2 20	6 35	1 39	16 4	1 45	15 52	0 57	16 14	1 31	19 37	0 44	23 11	0 35	6 5	10 20	18 4	18 19	23 55		n.a.
M28	12 8	25 34	4 52	20 55	2 21	6 11	1 42	15 51	1 46	15 50	0 57	16 16	1 31	19 37	0 44	23 11	0 35	6 4	10 20	18 4	18 18	23 53		n.a.
T 29	12 28	22 57	5 10	21 18	2 22	5 47	1 44	15 37	1 46	15 48	0 57	16 19	1 31	19 37	0 44	23 11	0 35	6 4	10 20	18 4	18 17	23 52		n.a.
W30	12n47	19n21	5n15	21n39	2n21	5s22	1s46	15s23	1s47	15s46	0n57	16n21	1s31	19n36	0n43	23s11	0n35	6s 3	10n20	18n 4	18n16	23n50		n.a.

Julian Day Number = 1548750.5, Delta T = 04h32m23s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'06, Lahiri = -10°29'06 Julian Calendar 1 Apr. 473 BCE == Greg. Calendar 27 March 473 BCE

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

MAY 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 13 31	4♉17'48	3♍57	26♉49	21♓46	24♒43	15°R17	19♉30	6♌27	29°R49	12°R52	20°R18	21♉ 2	6♌ 4	n.a.	T 1
F 2	14 17 28	5°15'05	16°10	28° 8	22°53	25°27	15♏10	19°38	6°28	29♐49	12♏50	20♉16	20°59	6°11	n.a.	F 2
S 3	14 21 24	6°12'22	28°37	29°25	24° 0	26°10	15° 2	19°46	6°29	29°48	12°48	20°14	20°56	6°18	n.a.	S 3
S 4	14 25 21	7° 9'37	11♎21	0♊38	25° 7	26°54	14°55	19°54	6°29	29°47	12°47	20°12	20°53	6°24	n.a.	S 4
M 5	14 29 17	8° 6'51	24°22	1°48	26°14	27°37	14°47	20° 1	6°30	29°46	12°45	20°11	20°50	6°31	n.a.	M 5
T 6	14 33 14	9° 4'05	7♏40	2°54	27°22	28°20	14°40	20° 9	6°31	29°45	12°44	20°10	20°46	6°38	n.a.	T 6
W 7	14 37 11	10° 1'17	21°14	3°57	28°30	29° 4	14°32	20°17	6°32	29°45	12°42	20°D10	20°43	6°45	n.a.	W 7
T 8	14 41 7	10°58'29	5♐ 3	4°57	29°37	29°47	14°25	20°25	6°33	29°44	12°40	20°10	20°40	6°51	n.a.	T 8
F 9	14 45 4	11°55'41	19° 4	5°53	0♈45	0♓30	14°17	20°33	6°34	29°43	12°39	20°10	20°37	6°58	n.a.	F 9
S 10	14 49 0	12°52'52	3♑13	6°45	1°53	1°13	14° 9	20°40	6°35	29°42	12°37	20°11	20°34	7° 5	n.a.	S 10
S 11	14 52 57	13°50'03	17°27	7°34	3° 1	1°56	14° 2	20°48	6°36	29°41	12°36	20°12	20°31	7°12	n.a.	S 11
M12	14 56 53	14°47'14	1♒44	8°19	4° 9	2°39	13°54	20°56	6°37	29°40	12°34	20°12	20°27	7°18	n.a.	M12
T 13	15 0 50	15°44'24	15°59	9° 0	5°17	3°22	13°46	21° 4	6°39	29°39	12°32	20°R12	20°24	7°25	n.a.	T 13
W14	15 4 46	16°41'34	0♓11	9°37	6°26	4° 4	13°39	21°12	6°40	29°38	12°31	20°12	20°21	7°32	n.a.	W14
T 15	15 8 43	17°38'43	14°17	10° 9	7°34	4°47	13°31	21°20	6°41	29°37	12°29	20°12	20°18	7°38	n.a.	T 15
F 16	15 12 40	18°35'53	28°15	10°38	8°43	5°30	13°24	21°28	6°43	29°36	12°28	20°12	20°15	7°45	n.a.	F 16
S 17	15 16 36	19°33'02	12♈ 2	11° 2	9°51	6°12	13°16	21°36	6°44	29°34	12°26	20°12	20°11	7°52	n.a.	S 17
S 18	15 20 33	20°30'11	25°38	11°22	11° 0	6°54	13° 8	21°44	6°45	29°33	12°24	20°D12	20° 8	7°59	n.a.	S 18
M19	15 24 29	21°27'20	8♉59	11°37	12° 9	7°37	13° 1	21°51	6°47	29°32	12°23	20°12	20° 5	8° 5	n.a.	M19
T 20	15 28 26	22°24'28	22° 6	11°48	13°18	8°19	12°53	21°59	6°49	29°31	12°21	20°R12	20° 2	8°12	n.a.	T 20
W21	15 32 22	23°21'37	4♊58	11°54	14°27	9° 1	12°46	22° 7	6°50	29°30	12°20	20°12	19°59	8°19	n.a.	W21
T 22	15 36 19	24°18'45	17°34	11°R56	15°36	9°43	12°39	22°15	6°52	29°28	12°18	20°11	19°56	8°25	n.a.	T 22
F 23	15 40 16	25°15'52	29°57	11°53	16°45	10°25	12°31	22°23	6°54	29°27	12°17	20°11	19°52	8°32	n.a.	F 23
S 24	15 44 12	26°13'00	12♋ 7	11°45	17°54	11° 7	12°24	22°31	6°55	29°26	12°15	20°10	19°49	8°39	n.a.	S 24
S 25	15 48 9	27°10'07	24° 8	11°34	19° 4	11°49	12°17	22°39	6°57	29°25	12°13	20° 9	19°46	8°46	n.a.	S 25
M26	15 52 5	28° 7'13	6♌ 3	11°18	20°13	12°30	12°10	22°47	6°59	29°23	12°12	20° 8	19°43	8°52	n.a.	M26
T 27	15 56 2	29° 4'20	17°56	10°58	21°22	13°12	12° 3	22°55	7° 1	29°22	12°10	20° 8	19°40	8°59	n.a.	T 27
W28	15 59 58	0♊ 1'26	29°51	10°34	22°32	13°53	11°56	23° 2	7° 3	29°21	12° 9	20°D 8	19°37	9° 6	n.a.	W28
T 29	16 3 55	0°58'31	11♍53	10° 7	23°42	14°35	11°49	23°10	7° 5	29°19	12° 7	20° 8	19°33	9°13	n.a.	T 29
F 30	16 7 51	1°55'36	24° 6	9°37	24°51	15°16	11°42	23°18	7° 7	29°18	12° 6	20° 9	19°30	9°19	n.a.	F 30
S 31	16 11 48	2♊52'41	6♎35	9♊ 4	26♈ 1	15♓57	11♏35	23♉26	7♌ 9	29♐16	12♏ 4	20♉10	19♉27	9♌26	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n 7	14n56	5n 6	21n58	2n20	4s57	1s48	15s 9	1s48	15s43	0n57	16n23	1s31	19n36	0n43	23s11	0n35	6s 3	10n20	18n 3	18n15	23n49		n.a.
F 2	13 27	9 52	4 44	22 14	2 17	4 32	1 50	14 55	1 49	15 41	0 57	16 25	1 31	19 36	0 43	23 11	0 35	6 2	10 20	18 3	18 14	23 47		n.a.
S 3	13 46	4 20	4 7	22 29	2 14	4 7	1 52	14 41	1 50	15 39	0 57	16 27	1 30	19 36	0 43	23 11	0 35	6 2	10 20	18 2	18 13	23 45		n.a.
S 4	14 5	1s31	3 18	22 41	2 11	3 42	1 53	14 26	1 50	15 37	0 57	16 30	1 30	19 36	0 43	23 11	0 35	6 2	10 20	18 2	18 13	23 44		n.a.
M 5	14 24	7 26	2 18	22 51	2 6	3 16	1 55	14 12	1 51	15 35	0 57	16 32	1 30	19 35	0 43	23 11	0 35	6 1	10 20	18 1	18 12	23 42		n.a.
T 6	14 42	13 10	1 9	22 59	2 1	2 50	1 57	13 57	1 52	15 33	0 57	16 34	1 30	19 35	0 43	23 11	0 35	6 1	10 20	18 1	18 11	23 41		n.a.
W 7	15 1	18 24	0s 6	23 6	1 55	2 24	1 58	13 43	1 53	15 31	0 57	16 36	1 30	19 35	0 43	23 11	0 35	6 0	10 20	18 1	18 10	23 39		n.a.
T 8	15 19	22 45	1 22	23 10	1 48	1 58	1 59	13 28	1 54	15 29	0 56	16 38	1 30	19 35	0 43	23 11	0 35	6 0	10 20	18 1	18 9	23 38		n.a.
F 9	15 37	25 51	2 33	23 13	1 40	1 32	2 0	13 13	1 54	15 26	0 56	16 41	1 30	19 34	0 43	23 11	0 35	6 0	10 20	18 1	18 8	23 36		n.a.
S 10	15 55	27 19	3 36	23 14	1 32	1 6	2 1	12 59	1 55	15 24	0 56	16 43	1 30	19 34	0 43	23 11	0 35	5 59	10 19	18 1	18 8	23 35		n.a.
S 11	16 12	27 0	4 27	23 13	1 23	0 39	2 2	12 44	1 56	15 22	0 56	16 45	1 30	19 34	0 43	23 11	0 35	5 59	10 19	18 2	18 7	23 33		n.a.
M12	16 29	24 55	5 0	23 11	1 13	0 13	2 3	12 29	1 57	15 20	0 56	16 47	1 30	19 33	0 43	23 11	0 35	5 58	10 19	18 2	18 6	23 31		n.a.
T 13	16 46	21 16	5 16	23 7	1 2	0n14	2 4	12 14	1 58	15 18	0 56	16 49	1 30	19 33	0 43	23 11	0 35	5 58	10 19	18 2	18 5	23 30		n.a.
W14	17 3	16 24	5 12	23 1	0 51	0 41	2 5	11 59	1 58	15 16	0 56	16 51	1 29	19 33	0 43	23 11	0 35	5 58	10 19	18 2	18 4	23 28		n.a.
T 15	17 19	10 42	4 49	22 54	0 39	1 8	2 5	11 43	1 59	15 13	0 55	16 54	1 29	19 32	0 43	23 11	0 35	5 57	10 19	18 2	18 3	23 27		n.a.
F 16	17 35	4 31	4 10	22 46	0 26	1 35	2 6	11 28	2 0	15 11	0 55	16 56	1 29	19 32	0 43	23 11	0 35	5 57	10 19	18 2	18 2	23 25		n.a.
S 17	17 51	1n49	3 16	22 36	0 13	2 2	2 6	11 13	2 1	15 9	0 55	16 58	1 29	19 31	0 43	23 11	0 35	5 57	10 19	18 2	18 2	23 23		n.a.
S 18	18 7	7 59	2 12	22 25	0s 1	2 29	2 6	10 58	2 1	15 7	0 55	17 0	1 29	19 31	0 43	23 11	0 35	5 56	10 18	18 2	18 1	23 22		n.a.
M19	18 22	13 42	1 2	22 13	0 16	2 56	2 6	10 42	2 2	15 5	0 55	17 2	1 29	19 31	0 43	23 11	0 35	5 56	10 18	18 2	18 0	23 20		n.a.
T 20	18 37	18 42	0n11	22 0	0 31	3 23	2 7	10 27	2 3	15 3	0 55	17 4	1 29	19 30	0 43	23 11	0 35	5 56	10 18	18 2	17 59	23 19		n.a.
W21	18 51	22 44	1 21	21 45	0 46	3 50	2 7	10 12	2 3	15 0	0 55	17 6	1 29	19 30	0 43	23 11	0 35	5 55	10 18	18 2	17 58	23 17		n.a.
T 22	19 6	25 35	2 26	21 30	1 2	4 17	2 6	9 56	2 4	14 58	0 54	17 9	1 29	19 29	0 43	23 11	0 35	5 55	10 18	18 1	17 57	23 15		n.a.
F 23	19 20	27 8	3 23	21 14	1 18	4 44	2 6	9 41	2 5	14 56	0 54	17 11	1 29	19 29	0 43	23 11	0 35	5 55	10 18	18 1	17 56	23 14		n.a.
S 24	19 34	27 20	4 9	20 57	1 34	5 11	2 6	9 25	2 5	14 54	0 54	17 13	1 29	19 28	0 43	23 11	0 35	5 55	10 18	18 1	17 55	23 12		n.a.
S 25	19 47	26 14	4 44	20 39	1 50	5 38	2 5	9 10	2 6	14 52	0 54	17 15	1 29	19 28	0 43	23 11	0 35	5 54	10 17	18 1	17 55	23 10		n.a.
M26	20 0	23 57	5 7	20 21	2 6	6 4	2 5	8 54	2 7	14 50	0 54	17 17	1 29	19 27	0 43	23 11	0 35	5 54	10 17	18 1	17 54	23 9		n.a.
T 27	20 13	20 39	5 16	20 2	2 22	6 31	2 4	8 39	2 7	14 48	0 54	17 19	1 29	19 27	0 43	23 11	0 35	5 54	10 17	18 1	17 53	23 7		n.a.
W28	20 25	16 31	5 12	19 43	2 38	6 58	2 4	8 23	2 8	14 46	0 53	17 21	1 28	19 26	0 43	23 11	0 35	5 53	10 17	18 0	17 52	23 5		n.a.
T 29	20 37	11 42	4 54	19 24	2 53	7 25	2 3	8 7	2 9	14 44	0 53	17 23	1 28	19 26	0 42	23 11	0 35	5 53	10 17	18 1	17 51	23 3		n.a.
F 30	20 49	6 23	4 23	19 5	3 8	7 51	2 2	7 52	2 9	14 42	0 53	17 25	1 28	19 25	0 42	23 11	0 35	5 53	10 16	18 1	17 50	23 2		n.a.
S 31	21n 1	0n41	3n38	18n47	3s22	8n18	2s 1	7s36	2s10	14s40	0n53	17n27	1s28	19n25	0n42	23s11	0n35	5s53	10n16	18n 1	17n49	23n 0		n.a.

Julian Day Number = 1548780.5, Delta T = 04h32m22s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°36'02, Lahiri = -10°29'02 Julian Calendar 1 May 473 BCE == Greg. Calendar 26 Apr. 473 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

JUNE 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 15 45	3♊49'46	19♎23	8°R29	27♈11	16♓38	11°R29	23♉34	7♌11	29°R15	12°R 3	20♉11	19♉24	9♌33	n.a.	S 1
M 2	16 19 41	4°46'51	2♏32	7♊53	28°21	17°19	11♏22	23°42	7°13	29♐14	12♏ 2	20°12	19°21	9°39	n.a.	M 2
T 3	16 23 38	5°43'56	16° 4	7°16	29°31	17°59	11°16	23°49	7°15	29°12	12° 0	20°R12	19°17	9°46	n.a.	T 3
W 4	16 27 34	6°41'01	29°58	6°38	0♉41	18°40	11° 9	23°57	7°18	29°11	11°59	20°12	19°14	9°53	n.a.	W 4
T 5	16 31 31	7°38'06	14♐11	6° 1	1°51	19°21	11° 3	24° 5	7°20	29° 9	11°57	20°11	19°11	10° 0	n.a.	T 5
F 6	16 35 27	8°35'12	28°39	5°25	3° 1	20° 1	10°57	24°13	7°22	29° 8	11°56	20° 9	19° 8	10° 6	n.a.	F 6
S 7	16 39 24	9°32'18	13♑16	4°51	4°11	20°41	10°51	24°20	7°25	29° 6	11°55	20° 7	19° 5	10°13	n.a.	S 7
S 8	16 43 20	10°29'24	27°54	4°19	5°22	21°22	10°46	24°28	7°27	29° 5	11°53	20° 4	19° 2	10°20	n.a.	S 8
M 9	16 47 17	11°26'31	12♒29	3°50	6°32	22° 2	10°40	24°36	7°30	29° 3	11°52	20° 2	18°58	10°26	n.a.	M 9
T 10	16 51 14	12°23'39	26°55	3°24	7°43	22°41	10°34	24°44	7°32	29° 2	11°50	20° 1	18°55	10°33	n.a.	T 10
W11	16 55 10	13°20'47	11♓ 8	3° 2	8°53	23°21	10°29	24°51	7°35	29° 0	11°49	20°D 0	18°52	10°40	n.a.	W11
T 12	16 59 7	14°17'56	25° 6	2°45	10° 4	24° 1	10°24	24°59	7°37	28°59	11°48	20° 0	18°49	10°47	n.a.	T 12
F 13	17 3 3	15°15'06	8♈48	2°32	11°15	24°40	10°19	25° 6	7°40	28°57	11°47	20° 1	18°46	10°53	n.a.	F 13
S 14	17 7 0	16°12'16	22°15	2°24	12°25	25°20	10°14	25°14	7°42	28°55	11°45	20° 3	18°43	11° 0	n.a.	S 14
S 15	17 10 56	17° 9'28	5♉27	2°D21	13°36	25°59	10° 9	25°22	7°45	28°54	11°44	20° 4	18°39	11° 7	n.a.	S 15
M16	17 14 53	18° 6'40	18°25	2°24	14°47	26°38	10° 4	25°29	7°48	28°52	11°43	20°R 5	18°36	11°14	n.a.	M16
T 17	17 18 50	19° 3'53	1♊10	2°32	15°58	27°17	10° 0	25°37	7°51	28°51	11°42	20° 4	18°33	11°20	n.a.	T 17
W18	17 22 46	20° 1'06	13°44	2°46	17° 9	27°56	9°55	25°44	7°53	28°49	11°41	20° 2	18°30	11°27	n.a.	W18
T 19	17 26 43	20°58'21	26° 7	3° 5	18°20	28°34	9°51	25°51	7°56	28°48	11°39	19°59	18°27	11°34	n.a.	T 19
F 20	17 30 39	21°55'36	8♋20	3°30	19°31	29°13	9°47	25°59	7°59	28°46	11°38	19°54	18°23	11°40	n.a.	F 20
S 21	17 34 36	22°52'52	20°24	4° 1	20°42	29°51	9°43	26° 6	8° 2	28°44	11°37	19°49	18°20	11°47	n.a.	S 21
S 22	17 38 32	23°50'08	2♌22	4°38	21°54	0♈29	9°39	26°14	8° 5	28°43	11°36	19°43	18°17	11°54	n.a.	S 22
M23	17 42 29	24°47'25	14°15	5°21	23° 5	1° 7	9°36	26°21	8° 8	28°41	11°35	19°37	18°14	12° 1	n.a.	M23
T 24	17 46 25	25°44'43	26° 7	6° 9	24°16	1°45	9°33	26°28	8°11	28°39	11°34	19°32	18°11	12° 7	n.a.	T 24
W25	17 50 22	26°42'01	8♍ 1	7° 3	25°28	2°22	9°29	26°35	8°14	28°38	11°33	19°29	18° 8	12°14	n.a.	W25
T 26	17 54 19	27°39'20	20° 0	8° 2	26°39	3° 0	9°26	26°43	8°17	28°36	11°32	19°27	18° 4	12°21	n.a.	T 26
F 27	17 58 15	28°36'39	2♎11	9° 7	27°51	3°37	9°23	26°50	8°20	28°35	11°31	19°D27	18° 1	12°28	n.a.	F 27
S 28	18 2 12	29°33'59	14°37	10°17	29° 3	4°14	9°21	26°57	8°23	28°33	11°30	19°28	17°58	12°34	n.a.	S 28
S 29	18 6 8	0♋31'20	27°23	11°32	0♊14	4°51	9°18	27° 4	8°26	28°31	11°29	19°29	17°55	12°41	n.a.	S 29
M30	18 10 5	1♋28'42	10♏33	12♊52	1♊26	5♈27	9♏16	27♉11	8♌30	28♐30	11♏28	19♉31	17♉52	12♌48	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n12	5s11	2n42	18n29	3s34	8n44	2s 0	7s21	2s10	14s38	0n53	17n29	1s28	19n24	0n42	23s11	0n35	5s53	10n16	18n 1	17n48	22n58		n.a.
M 2	21 22	11 1	1 36	18 11	3 46	9 10	1 59	7 5	2 11	14 37	0 52	17 31	1 28	19 23	0 42	23 11	0 35	5 52	10 16	18 2	17 48	22 57		n.a.
T 3	21 33	16 30	0 23	17 55	3 57	9 36	1 58	6 49	2 12	14 35	0 52	17 33	1 28	19 23	0 42	23 11	0 35	5 52	10 15	18 2	17 47	22 55		n.a.
W 4	21 43	21 17	0s54	17 40	4 6	10 2	1 57	6 34	2 12	14 33	0 52	17 35	1 28	19 22	0 42	23 10	0 35	5 52	10 15	18 2	17 46	22 53		n.a.
T 5	21 52	24 56	2 8	17 25	4 14	10 28	1 56	6 18	2 13	14 31	0 52	17 37	1 28	19 22	0 42	23 10	0 35	5 52	10 15	18 1	17 45	22 51		n.a.
F 6	22 1	27 1	3 16	17 13	4 21	10 53	1 54	6 3	2 13	14 30	0 52	17 39	1 28	19 21	0 42	23 10	0 35	5 52	10 15	18 1	17 44	22 50		n.a.
S 7	22 10	27 16	4 12	17 2	4 25	11 19	1 53	5 47	2 14	14 28	0 51	17 41	1 28	19 20	0 42	23 10	0 35	5 51	10 14	18 0	17 43	22 48		n.a.
S 8	22 19	25 36	4 51	16 53	4 29	11 44	1 51	5 31	2 14	14 26	0 51	17 43	1 28	19 20	0 42	23 10	0 35	5 51	10 14	18 0	17 42	22 46		n.a.
M 9	22 27	22 15	5 12	16 46	4 31	12 9	1 50	5 16	2 15	14 25	0 51	17 45	1 28	19 19	0 42	23 10	0 35	5 51	10 14	17 59	17 41	22 44		n.a.
T 10	22 35	17 34	5 12	16 41	4 31	12 34	1 48	5 0	2 16	14 23	0 51	17 47	1 28	19 18	0 42	23 10	0 35	5 51	10 14	17 59	17 41	22 43		n.a.
W11	22 42	12 0	4 53	16 38	4 30	12 58	1 47	4 45	2 16	14 22	0 50	17 49	1 28	19 18	0 42	23 10	0 35	5 51	10 13	17 58	17 40	22 41		n.a.
T 12	22 49	5 54	4 17	16 37	4 27	13 22	1 45	4 29	2 17	14 20	0 50	17 50	1 28	19 17	0 42	23 10	0 35	5 51	10 13	17 58	17 39	22 39		n.a.
F 13	22 56	0n22	3 27	16 39	4 23	13 46	1 43	4 14	2 17	14 19	0 50	17 52	1 28	19 16	0 42	23 10	0 35	5 51	10 13	17 59	17 38	22 37		n.a.
S 14	23 2	6 30	2 27	16 42	4 18	14 10	1 41	3 59	2 17	14 18	0 50	17 54	1 28	19 16	0 42	23 10	0 35	5 51	10 12	17 59	17 37	22 35		n.a.
S 15	23 7	12 16	1 19	16 48	4 11	14 33	1 39	3 43	2 18	14 16	0 49	17 56	1 28	19 15	0 42	23 10	0 35	5 50	10 12	18 0	17 36	22 34		n.a.
M16	23 13	17 23	0 9	16 56	4 3	14 56	1 37	3 28	2 18	14 15	0 49	17 58	1 28	19 14	0 42	23 10	0 35	5 50	10 12	18 0	17 35	22 32		n.a.
T 17	23 18	21 39	1n 0	17 7	3 54	15 19	1 35	3 13	2 19	14 14	0 49	18 0	1 28	19 13	0 42	23 10	0 34	5 50	10 12	18 0	17 34	22 30		n.a.
W18	23 22	24 50	2 6	17 19	3 45	15 41	1 33	2 58	2 19	14 13	0 49	18 1	1 28	19 13	0 42	23 10	0 34	5 50	10 11	17 59	17 33	22 28		n.a.
T 19	23 27	26 46	3 4	17 33	3 34	16 3	1 31	2 42	2 20	14 11	0 49	18 3	1 28	19 12	0 42	23 10	0 34	5 50	10 11	17 58	17 33	22 26		n.a.
F 20	23 30	27 22	3 53	17 49	3 23	16 25	1 29	2 27	2 20	14 10	0 48	18 5	1 28	19 11	0 42	23 10	0 34	5 50	10 11	17 57	17 32	22 24		n.a.
S 21	23 34	26 39	4 31	18 7	3 10	16 46	1 27	2 12	2 21	14 9	0 48	18 7	1 28	19 10	0 42	23 10	0 34	5 50	10 10	17 55	17 31	22 23		n.a.
S 22	23 36	24 42	4 57	18 26	2 58	17 7	1 24	1 57	2 21	14 8	0 48	18 8	1 28	19 9	0 42	23 10	0 34	5 50	10 10	17 54	17 30	22 21		n.a.
M23	23 39	21 41	5 9	18 46	2 45	17 28	1 22	1 42	2 21	14 8	0 48	18 10	1 28	19 9	0 42	23 10	0 34	5 50	10 10	17 52	17 29	22 19		n.a.
T 24	23 41	17 48	5 8	19 8	2 31	17 48	1 20	1 28	2 22	14 7	0 47	18 12	1 28	19 8	0 42	23 10	0 34	5 50	10 9	17 51	17 28	22 17		n.a.
W25	23 43	13 13	4 55	19 31	2 17	18 8	1 17	1 13	2 22	14 6	0 47	18 14	1 28	19 7	0 42	23 10	0 34	5 50	10 9	17 50	17 27	22 15		n.a.
T 26	23 44	8 6	4 28	19 54	2 3	18 27	1 15	0 58	2 23	14 5	0 47	18 15	1 28	19 6	0 42	23 10	0 34	5 50	10 9	17 49	17 26	22 13		n.a.
F 27	23 45	2 36	3 48	20 19	1 49	18 46	1 12	0 44	2 23	14 5	0 47	18 17	1 28	19 5	0 42	23 10	0 34	5 50	10 8	17 49	17 25	22 11		n.a.
S 28	23 45	3s 6	2 58	20 43	1 35	19 4	1 10	0 29	2 23	14 4	0 46	18 19	1 28	19 5	0 42	23 10	0 34	5 50	10 8	17 50	17 25	22 10		n.a.
S 29	23 45	8 51	1 57	21 8	1 20	19 22	1 7	0 14	2 24	14 3	0 46	18 20	1 28	19 4	0 42	23 10	0 34	5 50	10 8	17 50	17 24	22 8		n.a.
M30	23n45	14s25	0n48	21n33	1s 6	19n40	1s 5	0s 0	2s24	14s 3	0n46	18n22	1s28	19n 3	0n42	23s10	0n34	5s50	10n 7	17n50	17n23	22n 6		n.a.

Julian Day Number = 1548811.5, Delta T = 04h32m20s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'58, Lahiri = -10°28'57 Julian Calendar 1 June 473 BCE == Greg. Calendar 27 May 473 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

JULY 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 14 1	2♋26'04	24♏ 9	14♊17	2♊38	6♈ 4	9°R14	27♉18	8♌33	28°R28	11°R27	19°R31	17♉49	12♌54	n.a.	T 1
W 2	18 17 58	3°23'28	8♐12	15°47	3°50	6°40	9♏12	27°25	8°36	28♐26	11♏27	19♉29	17°45	13° 1	n.a.	W 2
T 3	18 21 54	4°20'53	22°40	17°21	5° 1	7°16	9°10	27°32	8°39	28°25	11°26	19°26	17°42	13° 8	n.a.	T 3
F 4	18 25 51	5°18'18	7♑29	19° 0	6°13	7°52	9° 9	27°39	8°43	28°23	11°25	19°21	17°39	13°15	n.a.	F 4
S 5	18 29 48	6°15'45	22°29	20°42	7°25	8°28	9° 7	27°45	8°46	28°22	11°24	19°14	17°36	13°21	n.a.	S 5
S 6	18 33 44	7°13'13	7♒33	22°28	8°38	9° 3	9° 6	27°52	8°49	28°20	11°24	19° 7	17°33	13°28	n.a.	S 6
M 7	18 37 41	8°10'42	22°30	24°17	9°50	9°38	9° 5	27°59	8°53	28°18	11°23	19° 1	17°29	13°35	n.a.	M 7
T 8	18 41 37	9° 8'13	7♓13	26° 9	11° 2	10°13	9° 4	28° 5	8°56	28°17	11°22	18°55	17°26	13°42	n.a.	T 8
W 9	18 45 34	10° 5'46	21°36	28° 4	12°14	10°48	9° 4	28°12	8°59	28°15	11°22	18°52	17°23	13°48	n.a.	W 9
T 10	18 49 30	11° 3'19	5♈36	0♋ 0	13°27	11°22	9° 3	28°19	9° 3	28°14	11°21	18°D50	17°20	13°55	n.a.	T 10
F 11	18 53 27	12° 0'55	19°13	1°59	14°39	11°57	9° 3	28°25	9° 6	28°12	11°20	18°50	17°17	14° 2	n.a.	F 11
S 12	18 57 24	12°58'32	2♉29	3°58	15°51	12°31	9°D 3	28°31	9°10	28°11	11°20	18°51	17°14	14° 8	n.a.	S 12
S 13	19 1 20	13°56'11	15°26	5°59	17° 4	13° 5	9° 3	28°38	9°13	28° 9	11°19	18°R52	17°10	14°15	n.a.	S 13
M14	19 5 17	14°53'52	28° 7	8° 1	18°16	13°38	9° 3	28°44	9°17	28° 7	11°19	18°52	17° 7	14°22	n.a.	M14
T 15	19 9 13	15°51'34	10♊35	10° 2	19°29	14°11	9° 4	28°50	9°20	28° 6	11°18	18°49	17° 4	14°29	n.a.	T 15
W16	19 13 10	16°49'18	22°54	12° 4	20°42	14°44	9° 4	28°57	9°24	28° 4	11°18	18°45	17° 1	14°35	n.a.	W16
T 17	19 17 6	17°47'04	5♋ 4	14° 6	21°54	15°17	9° 5	29° 3	9°27	28° 3	11°18	18°37	16°58	14°42	n.a.	T 17
F 18	19 21 3	18°44'51	17° 7	16° 8	23° 7	15°50	9° 6	29° 9	9°31	28° 1	11°17	18°28	16°55	14°49	n.a.	F 18
S 19	19 24 59	19°42'39	29° 5	18° 8	24°20	16°22	9° 7	29°15	9°35	28° 0	11°17	18°17	16°51	14°55	n.a.	S 19
S 20	19 28 56	20°40'30	10♌59	20° 8	25°33	16°54	9° 9	29°21	9°38	27°58	11°17	18° 5	16°48	15° 2	n.a.	S 20
M21	19 32 53	21°38'21	22°50	22° 8	26°46	17°25	9°10	29°27	9°42	27°57	11°16	17°53	16°45	15° 9	n.a.	M21
T 22	19 36 49	22°36'14	4♍41	24° 6	27°59	17°57	9°12	29°32	9°45	27°55	11°16	17°43	16°42	15°16	n.a.	T 22
W23	19 40 46	23°34'09	16°35	26° 3	29°12	18°28	9°14	29°38	9°49	27°54	11°16	17°35	16°39	15°22	n.a.	W23
T 24	19 44 42	24°32'05	28°34	27°59	0♋25	18°58	9°16	29°44	9°53	27°53	11°16	17°30	16°35	15°29	n.a.	T 24
F 25	19 48 39	25°30'02	10♎42	29°54	1°38	19°29	9°19	29°49	9°56	27°51	11°16	17°26	16°32	15°36	n.a.	F 25
S 26	19 52 35	26°28'01	23° 4	1♌48	2°51	19°59	9°21	29°55	10° 0	27°50	11°15	17°D25	16°29	15°43	n.a.	S 26
S 27	19 56 32	27°26'01	5♏45	3°40	4° 5	20°28	9°24	0♊ 0	10° 4	27°48	11°15	17°26	16°26	15°49	n.a.	S 27
M28	20 0 28	28°24'03	18°50	5°31	5°18	20°58	9°27	0° 6	10° 8	27°47	11°15	17°R26	16°23	15°56	n.a.	M28
T 29	20 4 25	29°22'07	2♐22	7°21	6°31	21°27	9°30	0°11	10°11	27°46	11°D15	17°25	16°20	16° 3	n.a.	T 29
W30	20 8 22	0♌20'12	16°23	9°10	7°45	21°55	9°33	0°16	10°15	27°44	11°15	17°22	16°16	16° 9	n.a.	W30
T 31	20 12 18	1♌18'18	0♑53	10♌57	8♋58	22♈24	9♏36	0♊22	10♌19	27♐43	11♏15	17♉17	16♉13	16♌16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n44	19s28	0s25	21n57	0s52	19n57	1s 2	0n14	2s24	14s 2	0n46	18n23	1s28	19n 2	0n42	23s10	0n34	5s51	10n 7	17n50	17n22	22n 4		n.a.	T 1
W 2	23 43	23 36	1 39	22 21	0 38	20 13	0 59	0 28	2 24	14 2	0 45	18 25	1 28	19 1	0 42	23 10	0 34	5 51	10 7	17 50	17 21	22 2		n.a.	W 2
T 3	23 41	26 22	2 49	22 44	0 25	20 29	0 57	0 43	2 25	14 2	0 45	18 26	1 28	19 0	0 42	23 10	0 34	5 51	10 6	17 49	17 20	22 0		n.a.	T 3
F 4	23 39	27 21	3 49	23 6	0 12	20 45	0 54	0 57	2 25	14 1	0 45	18 28	1 28	18 59	0 42	23 10	0 34	5 51	10 6	17 48	17 19	21 58		n.a.	F 4
S 5	23 36	26 22	4 35	23 26	0n 1	20 59	0 51	1 11	2 25	14 1	0 45	18 30	1 28	18 58	0 42	23 10	0 34	5 51	10 5	17 46	17 18	21 56		n.a.	S 5
S 6	23 33	23 28	5 1	23 45	0 13	21 14	0 49	1 24	2 26	14 1	0 44	18 31	1 28	18 58	0 42	23 10	0 34	5 51	10 5	17 44	17 17	21 54		n.a.	S 6
M 7	23 30	19 0	5 6	24 2	0 25	21 28	0 46	1 38	2 26	14 1	0 44	18 33	1 28	18 57	0 42	23 10	0 34	5 51	10 5	17 42	17 16	21 52		n.a.	M 7
T 8	23 26	13 28	4 52	24 17	0 36	21 41	0 43	1 52	2 26	14 1	0 44	18 34	1 28	18 56	0 42	23 10	0 34	5 51	10 4	17 41	17 16	21 50		n.a.	T 8
W 9	23 22	7 20	4 19	24 30	0 46	21 53	0 40	2 5	2 26	14 1	0 44	18 35	1 28	18 55	0 42	23 10	0 34	5 52	10 4	17 40	17 15	21 48		n.a.	W 9
T 10	23 17	0 58	3 31	24 40	0 55	22 5	0 38	2 19	2 26	14 1	0 43	18 37	1 28	18 54	0 42	23 10	0 34	5 52	10 4	17 39	17 14	21 46		n.a.	T 10
F 11	23 12	5n16	2 32	24 48	1 4	22 17	0 35	2 32	2 27	14 1	0 43	18 38	1 28	18 53	0 42	23 10	0 34	5 52	10 3	17 39	17 13	21 44		n.a.	F 11
S 12	23 7	11 8	1 27	24 53	1 12	22 28	0 32	2 46	2 27	14 1	0 43	18 40	1 28	18 52	0 42	23 10	0 34	5 52	10 3	17 39	17 12	21 42		n.a.	S 12
S 13	23 1	16 23	0 18	24 56	1 19	22 38	0 29	2 59	2 27	14 2	0 43	18 41	1 28	18 51	0 41	23 10	0 34	5 52	10 2	17 40	17 11	21 41		n.a.	S 13
M14	22 55	20 48	0n49	24 55	1 25	22 47	0 27	3 12	2 27	14 2	0 42	18 42	1 28	18 50	0 41	23 10	0 34	5 53	10 2	17 40	17 10	21 39		n.a.	M14
T 15	22 48	24 12	1 54	24 52	1 31	22 56	0 24	3 25	2 27	14 2	0 42	18 44	1 28	18 49	0 41	23 10	0 34	5 53	10 2	17 39	17 9	21 37		n.a.	T 15
W16	22 41	26 25	2 51	24 47	1 35	23 5	0 21	3 37	2 27	14 3	0 42	18 45	1 28	18 48	0 41	23 10	0 34	5 53	10 1	17 38	17 8	21 35		n.a.	W16
T 17	22 33	27 20	3 40	24 38	1 39	23 12	0 18	3 50	2 27	14 3	0 42	18 46	1 28	18 47	0 41	23 10	0 34	5 53	10 1	17 36	17 7	21 33		n.a.	T 17
F 18	22 25	26 55	4 19	24 27	1 42	23 19	0 15	4 3	2 27	14 4	0 41	18 48	1 28	18 46	0 41	23 10	0 34	5 54	10 0	17 33	17 6	21 31		n.a.	F 18
S 19	22 17	25 16	4 46	24 14	1 45	23 25	0 13	4 15	2 28	14 5	0 41	18 49	1 28	18 45	0 41	23 10	0 34	5 54	10 0	17 30	17 6	21 29		n.a.	S 19
S 20	22 8	22 30	5 0	23 58	1 46	23 31	0 10	4 27	2 28	14 5	0 41	18 50	1 28	18 44	0 41	23 10	0 34	5 54	10 0	17 26	17 5	21 26		n.a.	S 20
M21	21 59	18 49	5 1	23 40	1 47	23 36	0 7	4 39	2 28	14 6	0 41	18 52	1 28	18 43	0 41	23 10	0 34	5 55	9 59	17 23	17 4	21 24		n.a.	M21
T 22	21 50	14 24	4 50	23 20	1 47	23 40	0 4	4 51	2 28	14 7	0 40	18 53	1 28	18 42	0 41	23 10	0 34	5 55	9 59	17 20	17 3	21 22		n.a.	T 22
W23	21 40	9 25	4 25	22 58	1 47	23 44	0 2	5 3	2 28	14 8	0 40	18 54	1 28	18 41	0 41	23 10	0 34	5 55	9 58	17 18	17 2	21 20		n.a.	W23
T 24	21 30	4 4	3 49	22 34	1 46	23 46	0n 1	5 15	2 28	14 9	0 40	18 55	1 29	18 40	0 41	23 10	0 34	5 56	9 58	17 16	17 1	21 18		n.a.	T 24
F 25	21 19	1s30	3 2	22 9	1 45	23 49	0 4	5 27	2 28	14 10	0 40	18 56	1 29	18 39	0 41	23 10	0 34	5 56	9 57	17 16	17 0	21 16		n.a.	F 25
S 26	21 8	7 9	2 6	21 41	1 43	23 50	0 7	5 38	2 28	14 11	0 39	18 57	1 29	18 38	0 41	23 10	0 34	5 56	9 57	17 15	16 59	21 14		n.a.	S 26
S 27	20 57	12 39	1 2	21 13	1 40	23 51	0 9	5 49	2 28	14 12	0 39	18 58	1 29	18 37	0 41	23 10	0 34	5 57	9 57	17 15	16 58	21 12		n.a.	S 27
M28	20 45	17 46	0s 7	20 43	1 37	23 51	0 12	6 0	2 28	14 13	0 39	19 0	1 29	18 36	0 41	23 10	0 34	5 57	9 56	17 15	16 57	21 10		n.a.	M28
T 29	20 33	22 11	1 18	20 11	1 34	23 50	0 15	6 11	2 28	14 14	0 39	19 1	1 29	18 35	0 41	23 10	0 34	5 58	9 56	17 15	16 56	21 8		n.a.	T 29
W30	20 21	25 29	2 27	19 39	1 30	23 49	0 17	6 22	2 28	14 15	0 38	19 2	1 29	18 34	0 41	23 10	0 34	5 58	9 55	17 14	16 55	21 6		n.a.	W30
T 31	20n 8	27s13	3s28	19n 5	1n26	23n46	0n20	6n33	2s27	14s17	0n38	19n 3	1s29	18n33	0n41	23s10	0n34	5s58	9n55	17n13	16n54	21n 4		n.a.	T 31

Julian Day Number = 1548841.5, Delta T = 04h32m19s
Ecliptic obliquity = 23°45'14, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'54, Lahiri = -10°28'53 Julian Calendar 1 July 473 BCE == Greg. Calendar 26 June 473 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

AUGUST 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 16 15	2♌16'26	15♉48	12♌43	10♋12	22♈52	9♏40	0♊27	10♌23	27°R42	11♏16	17°R 9	16♉10	16♌23	n.a.	F 1
S 2	20 20 11	3°14'37	1♒ 0	14°28	11°25	23°19	9°44	0°32	10°26	27♐41	11°16	16♉59	16° 7	16°30	n.a.	S 2
S 3	20 24 8	4°12'48	16°19	16°12	12°39	23°47	9°48	0°37	10°30	27°39	11°16	16°49	16° 4	16°36	n.a.	S 3
M 4	20 28 4	5°11'02	1♓34	17°55	13°52	24°14	9°52	0°41	10°34	27°38	11°16	16°39	16° 1	16°43	n.a.	M 4
T 5	20 32 1	6° 9'18	16°34	19°36	15° 6	24°40	9°56	0°46	10°38	27°37	11°16	16°30	15°57	16°50	n.a.	T 5
W 6	20 35 57	7° 7'35	1♈11	21°16	16°20	25° 6	10° 0	0°51	10°41	27°36	11°16	16°24	15°54	16°57	n.a.	W 6
T 7	20 39 54	8° 5'55	15°20	22°55	17°34	25°32	10° 5	0°55	10°45	27°35	11°17	16°20	15°51	17° 3	n.a.	T 7
F 8	20 43 50	9° 4'18	29° 1	24°33	18°48	25°57	10°10	1° 0	10°49	27°34	11°17	16°19	15°48	17°10	n.a.	F 8
S 9	20 47 47	10° 2'42	12♉16	26°10	20° 1	26°22	10°15	1° 4	10°53	27°33	11°17	16°19	15°45	17°17	n.a.	S 9
S 10	20 51 44	11° 1'09	25° 9	27°45	21°15	26°46	10°20	1° 9	10°56	27°31	11°18	16°18	15°41	17°23	n.a.	S 10
M11	20 55 40	11°59'38	7♊42	29°20	22°29	27°10	10°25	1°13	11° 0	27°30	11°18	16°17	15°38	17°30	n.a.	M11
T 12	20 59 37	12°58'09	20° 1	0♍53	23°43	27°33	10°30	1°17	11° 4	27°29	11°19	16°14	15°35	17°37	n.a.	T 12
W13	21 3 33	13°56'43	2♋ 9	2°26	24°58	27°56	10°36	1°21	11° 8	27°28	11°19	16° 8	15°32	17°44	n.a.	W13
T 14	21 7 30	14°55'19	14°10	3°57	26°12	28°19	10°42	1°25	11°12	27°27	11°20	15°58	15°29	17°50	n.a.	T 14
F 15	21 11 26	15°53'57	26° 6	5°27	27°26	28°41	10°48	1°29	11°15	27°26	11°20	15°47	15°26	17°57	n.a.	F 15
S 16	21 15 23	16°52'37	7♌59	6°56	28°40	29° 2	10°54	1°33	11°19	27°26	11°21	15°33	15°22	18° 4	n.a.	S 16
S 17	21 19 19	17°51'19	19°51	8°24	29°54	29°23	11° 0	1°37	11°23	27°25	11°21	15°18	15°19	18°11	n.a.	S 17
M18	21 23 16	18°50'04	1♍43	9°51	1♌ 9	29°44	11° 6	1°40	11°27	27°24	11°22	15° 4	15°16	18°17	n.a.	M18
T 19	21 27 13	19°48'50	13°37	11°17	2°23	0♉ 4	11°13	1°44	11°30	27°23	11°23	14°51	15°13	18°24	n.a.	T 19
W20	21 31 9	20°47'38	25°34	12°41	3°37	0°23	11°19	1°47	11°34	27°22	11°23	14°41	15°10	18°31	n.a.	W20
T 21	21 35 6	21°46'28	7♎36	14° 5	4°52	0°42	11°26	1°50	11°38	27°21	11°24	14°34	15° 7	18°37	n.a.	T 21
F 22	21 39 2	22°45'20	19°47	15°27	6° 6	1° 0	11°33	1°54	11°42	27°21	11°25	14°29	15° 3	18°44	n.a.	F 22
S 23	21 42 59	23°44'14	2♏10	16°48	7°21	1°17	11°40	1°57	11°45	27°20	11°26	14°27	15° 0	18°51	n.a.	S 23
S 24	21 46 55	24°43'10	14°49	18° 7	8°35	1°34	11°47	2° 0	11°49	27°19	11°27	14°D27	14°57	18°58	n.a.	S 24
M25	21 50 52	25°42'08	27°48	19°26	9°50	1°51	11°55	2° 3	11°53	27°18	11°28	14°R27	14°54	19° 4	n.a.	M25
T 26	21 54 48	26°41'08	11♐12	20°43	11° 4	2° 7	12° 2	2° 6	11°56	27°18	11°28	14°26	14°51	19°11	n.a.	T 26
W27	21 58 45	27°40'09	25° 4	21°58	12°19	2°22	12°10	2° 8	12° 0	27°17	11°29	14°23	14°47	19°18	n.a.	W27
T 28	22 2 42	28°39'13	9♑23	23°12	13°34	2°36	12°18	2°11	12° 4	27°17	11°30	14°19	14°44	19°24	n.a.	T 28
F 29	22 6 38	29°38'18	24°10	24°24	14°48	2°50	12°26	2°13	12° 8	27°16	11°31	14°11	14°41	19°31	n.a.	F 29
S 30	22 10 35	0♍37'26	9♒16	25°35	16° 3	3° 3	12°34	2°16	12°11	27°16	11°32	14° 2	14°38	19°38	n.a.	S 30
S 31	22 14 31	1♍36'35	24♒35	26♍43	17♌18	3♉16	12♏42	2♊18	12♌15	27♐15	11♏33	13♉51	14♉35	19♌45	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n55	27s 4	4s17	18n31	1n21	23n44	0n22	6n44	2s27	14s18	0n38	19n 4	1s29	18n32	0n41	23s10	0n34	5s59	9n55	17n11	16n54	21n 2		n.a.
S 2	19 41	24 54	4 49	17 55	1 17	23 40	0 25	6 54	2 27	14 19	0 38	19 5	1 29	18 31	0 41	23 10	0 34	5 59	9 54	17 8	16 53	21 0		n.a.
S 3	19 27	20 55	5 1	17 19	1 11	23 36	0 27	7 4	2 27	14 21	0 38	19 6	1 29	18 30	0 41	23 10	0 34	6 0	9 54	17 5	16 52	20 58		n.a.
M 4	19 13	15 34	4 51	16 43	1 6	23 31	0 30	7 14	2 27	14 22	0 37	19 7	1 29	18 29	0 41	23 10	0 34	6 0	9 53	17 2	16 51	20 55		n.a.
T 5	18 59	9 22	4 21	16 5	1 0	23 25	0 32	7 24	2 27	14 24	0 37	19 8	1 29	18 28	0 41	23 10	0 34	6 1	9 53	16 59	16 50	20 53		n.a.
W 6	18 44	2 48	3 34	15 27	0 54	23 19	0 35	7 34	2 27	14 26	0 37	19 8	1 29	18 27	0 41	23 10	0 34	6 1	9 52	16 58	16 49	20 51		n.a.
T 7	18 29	3n43	2 36	14 49	0 48	23 12	0 37	7 44	2 26	14 27	0 37	19 9	1 29	18 26	0 41	23 10	0 34	6 2	9 52	16 57	16 48	20 49		n.a.
F 8	18 13	9 52	1 30	14 10	0 42	23 4	0 39	7 53	2 26	14 29	0 36	19 10	1 29	18 25	0 41	23 10	0 34	6 2	9 52	16 56	16 47	20 47		n.a.
S 9	17 58	15 23	0 21	13 30	0 35	22 55	0 41	8 2	2 26	14 31	0 36	19 11	1 29	18 24	0 41	23 10	0 34	6 3	9 51	16 56	16 46	20 45		n.a.
S 10	17 42	20 3	0n47	12 51	0 28	22 46	0 44	8 12	2 26	14 33	0 36	19 12	1 30	18 23	0 41	23 10	0 34	6 3	9 51	16 56	16 45	20 43		n.a.
M11	17 25	23 42	1 50	12 11	0 21	22 36	0 46	8 20	2 25	14 34	0 36	19 13	1 30	18 22	0 41	23 10	0 33	6 4	9 50	16 56	16 44	20 41		n.a.
T 12	17 9	26 10	2 48	11 31	0 14	22 26	0 48	8 29	2 25	14 36	0 35	19 13	1 30	18 21	0 41	23 10	0 33	6 4	9 50	16 55	16 43	20 38		n.a.
W13	16 52	27 21	3 37	10 51	0 7	22 14	0 50	8 38	2 25	14 38	0 35	19 14	1 30	18 20	0 41	23 10	0 33	6 5	9 49	16 53	16 42	20 36		n.a.
T 14	16 34	27 13	4 15	10 11	0s 1	22 2	0 52	8 46	2 24	14 40	0 35	19 15	1 30	18 18	0 41	23 10	0 33	6 5	9 49	16 50	16 41	20 34		n.a.
F 15	16 17	25 49	4 42	9 30	0 8	21 50	0 54	8 54	2 24	14 42	0 35	19 16	1 30	18 17	0 41	23 10	0 33	6 6	9 49	16 47	16 41	20 32		n.a.
S 16	15 59	23 17	4 57	8 50	0 16	21 37	0 56	9 2	2 24	14 45	0 35	19 16	1 30	18 16	0 41	23 10	0 33	6 6	9 48	16 43	16 40	20 30		n.a.
S 17	15 41	19 45	4 58	8 10	0 24	21 23	0 58	9 10	2 23	14 47	0 34	19 17	1 30	18 15	0 41	23 10	0 33	6 7	9 48	16 38	16 39	20 27		n.a.
M18	15 23	15 27	4 47	7 30	0 31	21 8	1 0	9 18	2 23	14 49	0 34	19 18	1 30	18 14	0 41	23 10	0 33	6 8	9 47	16 34	16 38	20 25		n.a.
T 19	15 4	10 34	4 23	6 50	0 39	20 53	1 1	9 25	2 22	14 51	0 34	19 18	1 30	18 13	0 41	23 10	0 33	6 8	9 47	16 30	16 37	20 23		n.a.
W20	14 45	5 15	3 47	6 10	0 47	20 37	1 3	9 33	2 22	14 53	0 34	19 19	1 30	18 12	0 41	23 10	0 33	6 9	9 47	16 27	16 36	20 21		n.a.
T 21	14 26	0s17	3 1	5 30	0 55	20 21	1 5	9 40	2 21	14 56	0 34	19 20	1 30	18 11	0 41	23 10	0 33	6 9	9 46	16 25	16 35	20 19		n.a.
F 22	14 7	5 53	2 6	4 51	1 3	20 4	1 7	9 47	2 21	14 58	0 33	19 20	1 30	18 10	0 41	23 10	0 33	6 10	9 46	16 24	16 34	20 16		n.a.
S 23	13 47	11 22	1 4	4 12	1 11	19 46	1 8	9 53	2 20	15 1	0 33	19 21	1 31	18 9	0 41	23 10	0 33	6 11	9 45	16 23	16 33	20 14		n.a.
S 24	13 27	16 31	0s 2	3 33	1 19	19 28	1 10	10 0	2 20	15 3	0 33	19 21	1 31	18 8	0 42	23 10	0 33	6 11	9 45	16 23	16 32	20 12		n.a.
M25	13 7	21 4	1 10	2 55	1 26	19 9	1 11	10 6	2 19	15 5	0 33	19 22	1 31	18 7	0 42	23 10	0 33	6 12	9 44	16 23	16 31	20 10		n.a.
T 26	12 47	24 40	2 17	2 17	1 34	18 50	1 12	10 12	2 18	15 8	0 33	19 22	1 31	18 6	0 42	23 10	0 33	6 13	9 44	16 23	16 30	20 8		n.a.
W27	12 26	26 57	3 17	1 40	1 42	18 30	1 14	10 18	2 18	15 11	0 32	19 23	1 31	18 5	0 42	23 11	0 33	6 13	9 44	16 22	16 29	20 5		n.a.
T 28	12 6	27 32	4 8	1 4	1 50	18 10	1 15	10 24	2 17	15 13	0 32	19 23	1 31	18 4	0 42	23 11	0 33	6 14	9 43	16 21	16 28	20 3		n.a.
F 29	11 45	26 13	4 43	0 28	1 57	17 49	1 16	10 29	2 16	15 16	0 32	19 24	1 31	18 3	0 42	23 11	0 33	6 15	9 43	16 18	16 27	20 1		n.a.
S 30	11 24	22 59	5 0	0s 7	2 5	17 28	1 17	10 34	2 15	15 18	0 32	19 24	1 31	18 2	0 42	23 11	0 33	6 15	9 42	16 15	16 26	19 59		n.a.
S 31	11n 3	18s 8	4s56	0s42	2s12	17n 6	1n18	10n39	2s15	15s21	0n32	19n24	1s31	18n 1	0n42	23s11	0n33	6s16	9n42	16n12	16n25	19n56		n.a.

Julian Day Number = 1548872.5, Delta T = 04h32m18s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'49, Lahiri = -10°28'49 Julian Calendar 1 Aug. 473 BCE == Greg. Calendar 27 July 473 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

SEPTEMBER 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 18 28	2♍35'46	9♓53	27♍50	18♌33	3♉28	12♏50	2♊20	12♌18	27°R15	11♏34	13°R41	14♉32	19♌51	n.a.	M 1
T 2	22 22 24	3°35'00	25° 0	28°55	19°48	3°39	12°59	2°22	12°22	27♐14	11°36	13♉32	14°28	19°58	n.a.	T 2
W 3	22 26 21	4°34'15	9♈47	29°57	21° 2	3°49	13° 7	2°24	12°26	27°14	11°37	13°26	14°25	20° 5	n.a.	W 3
T 4	22 30 17	5°33'33	24° 7	0♎57	22°17	3°59	13°16	2°26	12°29	27°13	11°38	13°22	14°22	20°12	n.a.	T 4
F 5	22 34 14	6°32'54	7♉57	1°54	23°32	4° 8	13°25	2°28	12°33	27°13	11°39	13°D21	14°19	20°18	n.a.	F 5
S 6	22 38 10	7°32'17	21°18	2°48	24°47	4°16	13°34	2°30	12°36	27°13	11°40	13°21	14°16	20°25	n.a.	S 6
S 7	22 42 7	8°31'42	4♊14	3°39	26° 2	4°23	13°43	2°31	12°40	27°13	11°42	13°R21	14°12	20°32	n.a.	S 7
M 8	22 46 4	9°31'10	16°48	4°26	27°17	4°30	13°52	2°33	12°43	27°12	11°43	13°21	14° 9	20°38	n.a.	M 8
T 9	22 50 0	10°30'41	29° 5	5°10	28°32	4°36	14° 2	2°34	12°47	27°12	11°44	13°19	14° 6	20°45	n.a.	T 9
W10	22 53 57	11°30'14	11♋ 9	5°49	29°47	4°41	14°11	2°35	12°50	27°12	11°46	13°15	14° 3	20°52	n.a.	W10
T 11	22 57 53	12°29'49	23° 6	6°24	1♍ 2	4°45	14°21	2°36	12°54	27°12	11°47	13° 8	14° 0	20°59	n.a.	T 11
F 12	23 1 50	13°29'26	4♌59	6°53	2°18	4°48	14°30	2°37	12°57	27°12	11°48	12°59	13°57	21° 5	n.a.	F 12
S 13	23 5 46	14°29'06	16°50	7°17	3°33	4°51	14°40	2°38	13° 0	27°12	11°50	12°49	13°53	21°12	n.a.	S 13
S 14	23 9 43	15°28'48	28°42	7°35	4°48	4°52	14°50	2°39	13° 4	27°D12	11°51	12°37	13°50	21°19	n.a.	S 14
M15	23 13 39	16°28'32	10♍38	7°46	6° 3	4°R53	15° 0	2°40	13° 7	27°12	11°53	12°26	13°47	21°26	n.a.	M15
T 16	23 17 36	17°28'18	22°37	7°R50	7°18	4°53	15°10	2°40	13°10	27°12	11°54	12°16	13°44	21°32	n.a.	T 16
W17	23 21 33	18°28'07	4♎43	7°47	8°34	4°52	15°20	2°41	13°14	27°12	11°56	12° 8	13°41	21°39	n.a.	W17
T 18	23 25 29	19°27'57	16°55	7°35	9°49	4°50	15°31	2°41	13°17	27°12	11°57	12° 2	13°38	21°46	n.a.	T 18
F 19	23 29 26	20°27'49	29°16	7°15	11° 4	4°48	15°41	2°41	13°20	27°12	11°59	11°59	13°34	21°52	n.a.	F 19
S 20	23 33 22	21°27'43	11♏48	6°45	12°19	4°44	15°51	2°R41	13°23	27°12	12° 1	11°D58	13°31	21°59	n.a.	S 20
S 21	23 37 19	22°27'40	24°33	6° 7	13°35	4°39	16° 2	2°41	13°26	27°12	12° 2	11°58	13°28	22° 6	n.a.	S 21
M22	23 41 15	23°27'38	7♐35	5°20	14°50	4°34	16°13	2°41	13°30	27°13	12° 4	12° 0	13°25	22°13	n.a.	M22
T 23	23 45 12	24°27'37	20°56	4°25	16° 5	4°28	16°24	2°41	13°33	27°13	12° 6	12°R 1	13°22	22°19	n.a.	T 23
W24	23 49 8	25°27'39	4♑39	3°22	17°21	4°20	16°35	2°40	13°36	27°13	12° 7	12° 0	13°18	22°26	n.a.	W24
T 25	23 53 5	26°27'42	18°45	2°13	18°36	4°12	16°46	2°40	13°39	27°14	12° 9	11°58	13°15	22°33	n.a.	T 25
F 26	23 57 2	27°27'47	3♒14	0°58	19°52	4° 4	16°57	2°39	13°42	27°14	12°11	11°54	13°12	22°39	n.a.	F 26
S 27	0 0 58	28°27'53	18° 1	29♍42	21° 7	3°54	17° 8	2°38	13°45	27°14	12°13	11°48	13° 9	22°46	n.a.	S 27
S 28	0 4 55	29°28'02	3♓ 1	28°24	22°22	3°43	17°19	2°38	13°48	27°15	12°14	11°42	13° 6	22°53	n.a.	S 28
M29	0 8 51	0♎28'11	18° 5	27° 9	23°38	3°32	17°30	2°37	13°51	27°15	12°16	11°35	13° 3	23° 0	n.a.	M29
T 30	0 12 48	1♎28'23	3♈ 2	25♍58	24♍53	3♉19	17♏42	2♊36	13♌53	27♐16	12♏18	11♉30	12♉59	23♌ 6	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n41	12s 8	4s31	1s15	2s19	16n43	1n19	10n44	2s14	15s24	0n31	19n25	1s31	18n 0	0n42	23s11	0n33	6s17	9n42	16n 9	16n24	19n54		n.a.
T 2	10 19	5 28	3 47	1 48	2 26	16 20	1 20	10 49	2 13	15 27	0 31	19 25	1 31	17 59	0 42	23 11	0 33	6 17	9 41	16 7	16 24	19 52		n.a.
W 3	9 58	1n21	2 48	2 19	2 33	15 57	1 21	10 53	2 12	15 30	0 31	19 25	1 32	17 58	0 42	23 11	0 33	6 18	9 41	16 5	16 23	19 49		n.a.
T 4	9 36	7 55	1 40	2 49	2 39	15 33	1 22	10 57	2 11	15 32	0 31	19 26	1 32	17 57	0 42	23 11	0 33	6 19	9 41	16 3	16 22	19 47		n.a.
F 5	9 13	13 53	0 29	3 17	2 46	15 9	1 23	11 1	2 10	15 35	0 31	19 26	1 32	17 56	0 42	23 11	0 33	6 20	9 40	16 3	16 21	19 45		n.a.
S 6	8 51	19 0	0n42	3 45	2 51	14 44	1 23	11 5	2 9	15 38	0 30	19 26	1 32	17 55	0 42	23 11	0 33	6 20	9 40	16 3	16 20	19 43		n.a.
S 7	8 29	23 3	1 49	4 10	2 57	14 19	1 24	11 9	2 8	15 41	0 30	19 26	1 32	17 54	0 42	23 11	0 33	6 21	9 39	16 3	16 19	19 40		n.a.
M 8	8 6	25 53	2 48	4 34	3 2	13 54	1 25	11 12	2 7	15 44	0 30	19 26	1 32	17 53	0 42	23 11	0 33	6 22	9 39	16 3	16 18	19 38		n.a.
T 9	7 43	27 23	3 38	4 55	3 7	13 28	1 25	11 15	2 6	15 47	0 30	19 27	1 32	17 52	0 42	23 11	0 33	6 23	9 39	16 3	16 17	19 36		n.a.
W10	7 21	27 34	4 18	5 15	3 11	13 2	1 26	11 18	2 5	15 50	0 30	19 27	1 32	17 51	0 42	23 11	0 33	6 23	9 38	16 1	16 16	19 33		n.a.
T 11	6 58	26 26	4 46	5 32	3 14	12 35	1 26	11 20	2 3	15 53	0 29	19 27	1 32	17 50	0 42	23 11	0 33	6 24	9 38	15 59	16 15	19 31		n.a.
F 12	6 34	24 8	5 1	5 46	3 17	12 8	1 26	11 23	2 2	15 56	0 29	19 27	1 32	17 49	0 42	23 11	0 33	6 25	9 38	15 56	16 14	19 29		n.a.
S 13	6 11	20 48	5 3	5 58	3 19	11 41	1 26	11 25	2 1	15 59	0 29	19 27	1 32	17 48	0 42	23 11	0 33	6 26	9 37	15 53	16 13	19 26		n.a.
S 14	5 48	16 38	4 52	6 6	3 20	11 13	1 27	11 26	2 0	16 2	0 29	19 27	1 32	17 47	0 42	23 11	0 33	6 26	9 37	15 50	16 12	19 24		n.a.
M15	5 24	11 48	4 28	6 10	3 19	10 45	1 27	11 28	1 58	16 5	0 29	19 27	1 33	17 46	0 42	23 11	0 32	6 27	9 36	15 46	16 11	19 22		n.a.
T 16	5 1	6 31	3 53	6 11	3 18	10 17	1 27	11 29	1 57	16 9	0 29	19 27	1 33	17 45	0 42	23 11	0 32	6 28	9 36	15 43	16 10	19 19		n.a.
W17	4 37	0 57	3 6	6 7	3 16	9 48	1 27	11 30	1 55	16 12	0 28	19 27	1 33	17 44	0 42	23 11	0 32	6 29	9 36	15 41	16 9	19 17		n.a.
T 18	4 13	4s44	2 10	5 59	3 12	9 19	1 27	11 31	1 54	16 15	0 28	19 27	1 33	17 43	0 42	23 11	0 32	6 29	9 35	15 39	16 8	19 15		n.a.
F 19	3 50	10 18	1 8	5 46	3 7	8 50	1 26	11 32	1 52	16 18	0 28	19 27	1 33	17 42	0 42	23 11	0 32	6 30	9 35	15 38	16 7	19 12		n.a.
S 20	3 26	15 33	0 1	5 27	2 59	8 21	1 26	11 32	1 51	16 21	0 28	19 27	1 33	17 42	0 42	23 11	0 32	6 31	9 35	15 38	16 6	19 10		n.a.
S 21	3 2	20 15	1s 7	5 4	2 51	7 51	1 26	11 32	1 49	16 25	0 28	19 27	1 33	17 41	0 42	23 11	0 32	6 32	9 34	15 38	16 5	19 8		n.a.
M22	2 38	24 3	2 14	4 35	2 40	7 22	1 25	11 32	1 47	16 28	0 28	19 27	1 33	17 40	0 42	23 11	0 32	6 33	9 34	15 38	16 4	19 5		n.a.
T 23	2 14	26 40	3 14	4 1	2 27	6 52	1 25	11 31	1 45	16 31	0 27	19 27	1 33	17 39	0 42	23 11	0 32	6 33	9 34	15 38	16 3	19 3		n.a.
W24	1 50	27 46	4 6	3 23	2 13	6 21	1 24	11 31	1 43	16 35	0 27	19 27	1 33	17 38	0 42	23 11	0 32	6 34	9 33	15 38	16 2	19 0		n.a.
T 25	1 25	27 6	4 44	2 40	1 56	5 51	1 24	11 30	1 42	16 38	0 27	19 26	1 33	17 37	0 42	23 11	0 32	6 35	9 33	15 38	16 1	18 58		n.a.
F 26	1 1	24 38	5 5	1 54	1 39	5 20	1 23	11 29	1 40	16 41	0 27	19 26	1 33	17 36	0 42	23 11	0 32	6 36	9 33	15 36	16 0	18 56		n.a.
S 27	0 37	20 29	5 7	1 5	1 19	4 50	1 23	11 27	1 38	16 45	0 27	19 26	1 34	17 36	0 42	23 11	0 32	6 37	9 33	15 35	15 59	18 53		n.a.
S 28	0 13	14 59	4 48	0 16	0 59	4 19	1 22	11 25	1 36	16 48	0 27	19 26	1 34	17 35	0 42	23 11	0 32	6 38	9 32	15 33	15 58	18 51		n.a.
M29	0s11	8 35	4 9	0n33	0 39	3 48	1 21	11 24	1 33	16 51	0 26	19 26	1 34	17 34	0 42	23 11	0 32	6 38	9 32	15 31	15 58	18 48		n.a.
T 30	0s36	1s43	3s13	1n21	0s18	3n17	1n20	11n21	1s31	16s55	0n26	19n25	1s34	17n33	0n42	23s12	0n32	6s39	9n32	15n29	15n57	18n46		n.a.

Julian Day Number = 1548903.5, Delta T = 04h32m17s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'45, Lahiri = -10°28'45 Julian Calendar 1 Sept. 473 BCE == Greg. Calendar 27 Aug. 473 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

OCTOBER 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 16 44	2♎28'37	17♈46	24°R53	26♍ 9	3°R 6	17♏53	2°R35	13♌56	27♐16	12♏20	11°R26	12♉56	23♌13	n.a.	W 1
T 2	0 20 41	3°28'52	2♉ 7	23♍57	27°24	2♉52	18° 5	2♊33	13°59	27°17	12°22	11♉24	12°53	23°20	n.a.	T 2
F 3	0 24 37	4°29'10	16° 2	23°10	28°40	2°38	18°17	2°32	14° 2	27°17	12°24	11°D24	12°50	23°27	n.a.	F 3
S 4	0 28 34	5°29'30	29°31	22°35	29°55	2°22	18°28	2°30	14° 4	27°18	12°26	11°25	12°47	23°33	n.a.	S 4
S 5	0 32 30	6°29'52	12♊33	22°11	1♎11	2° 6	18°40	2°29	14° 7	27°19	12°27	11°26	12°44	23°40	n.a.	S 5
M 6	0 36 27	7°30'16	25°12	21°59	2°26	1°49	18°52	2°27	14°10	27°20	12°29	11°28	12°40	23°47	n.a.	M 6
T 7	0 40 24	8°30'42	7♋33	21°D59	3°42	1°31	19° 4	2°25	14°12	27°20	12°31	11°R28	12°37	23°53	n.a.	T 7
W 8	0 44 20	9°31'10	19°39	22° 9	4°57	1°13	19°16	2°23	14°15	27°21	12°33	11°28	12°34	24° 0	n.a.	W 8
T 9	0 48 17	10°31'41	1♌36	22°30	6°13	0°54	19°28	2°21	14°17	27°22	12°35	11°26	12°31	24° 7	n.a.	T 9
F 10	0 52 13	11°32'13	13°28	23° 0	7°28	0°35	19°41	2°19	14°20	27°23	12°37	11°22	12°28	24°14	n.a.	F 10
S 11	0 56 10	12°32'47	25°19	23°39	8°44	0°15	19°53	2°17	14°22	27°24	12°39	11°18	12°24	24°20	n.a.	S 11
S 12	1 0 6	13°33'22	7♍14	24°25	9°59	29♈54	20° 5	2°15	14°25	27°24	12°42	11°13	12°21	24°27	n.a.	S 12
M13	1 4 3	14°34'00	19°13	25°19	11°15	29°33	20°18	2°12	14°27	27°25	12°44	11° 8	12°18	24°34	n.a.	M13
T 14	1 7 59	15°34'39	1♎21	26°18	12°31	29°11	20°30	2°10	14°29	27°26	12°46	11° 3	12°15	24°40	n.a.	T 14
W15	1 11 56	16°35'20	13°38	27°23	13°46	28°50	20°43	2° 7	14°32	27°27	12°48	11° 0	12°12	24°47	n.a.	W15
T 16	1 15 53	17°36'03	26° 5	28°32	15° 2	28°27	20°55	2° 4	14°34	27°28	12°50	10°58	12° 9	24°54	n.a.	T 16
F 17	1 19 49	18°36'47	8♏44	29°45	16°17	28° 5	21° 8	2° 1	14°36	27°29	12°52	10°D57	12° 5	25° 1	n.a.	F 17
S 18	1 23 46	19°37'32	21°34	1♎ 2	17°33	27°42	21°21	1°58	14°38	27°31	12°54	10°57	12° 2	25° 7	n.a.	S 18
S 19	1 27 42	20°38'19	4♐37	2°21	18°48	27°19	21°33	1°55	14°40	27°32	12°56	10°59	11°59	25°14	n.a.	S 19
M20	1 31 39	21°39'07	17°53	3°43	20° 4	26°57	21°46	1°52	14°42	27°33	12°59	11° 0	11°56	25°21	n.a.	M20
T 21	1 35 35	22°39'57	1♑23	5° 7	21°20	26°34	21°59	1°49	14°44	27°34	13° 1	11° 1	11°53	25°27	n.a.	T 21
W22	1 39 32	23°40'47	15° 8	6°32	22°35	26°11	22°12	1°46	14°46	27°35	13° 3	11° 2	11°49	25°34	n.a.	W22
T 23	1 43 28	24°41'39	29° 7	7°59	23°51	25°48	22°25	1°42	14°48	27°37	13° 5	11°R 2	11°46	25°41	n.a.	T 23
F 24	1 47 25	25°42'31	13♒20	9°27	25° 6	25°25	22°38	1°39	14°50	27°38	13° 7	11° 2	11°43	25°48	n.a.	F 24
S 25	1 51 22	26°43'25	27°45	10°56	26°22	25° 2	22°51	1°35	14°51	27°39	13°10	11° 0	11°40	25°54	n.a.	S 25
S 26	1 55 18	27°44'19	12♓18	12°26	27°38	24°39	23° 4	1°32	14°53	27°40	13°12	10°59	11°37	26° 1	n.a.	S 26
M27	1 59 15	28°45'14	26°54	13°56	28°53	24°17	23°17	1°28	14°55	27°42	13°14	10°57	11°34	26° 8	n.a.	M27
T 28	2 3 11	29°46'11	11♈27	15°28	0♏ 9	23°55	23°31	1°24	14°56	27°43	13°16	10°56	11°30	26°15	n.a.	T 28
W29	2 7 8	0♏47'08	25°50	16°59	1°24	23°33	23°44	1°20	14°58	27°45	13°18	10°55	11°27	26°21	n.a.	W29
T 30	2 11 4	1°48'07	9♉58	18°31	2°40	23°12	23°57	1°16	15° 0	27°46	13°21	10°D55	11°24	26°28	n.a.	T 30
F 31	2 15 1	2♏49'06	23♉47	20♎ 3	3♏55	22♈51	24♏11	1♊12	15♌ 1	27♐47	13♏23	10♉55	11♉21	26♌35	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1s 0	5n 8	2s 5	2n 6	0n 2	2n46	1n19	11n19	1s29	16s58	0n26	19n25	1s34	17n32	0n42	23s12	0n32	6s40	9n31	15n28	15n56	18n44		n.a.
T 2	1 24	11 35	0 50	2 46	0 22	2 14	1 18	11 16	1 27	17 2	0 26	19 25	1 34	17 31	0 42	23 12	0 32	6 41	9 31	15 27	15 55	18 41		n.a.
F 3	1 48	17 16	0n25	3 21	0 40	1 43	1 17	11 13	1 24	17 5	0 26	19 24	1 34	17 31	0 42	23 12	0 32	6 42	9 31	15 27	15 54	18 39		n.a.
S 4	2 13	21 53	1 37	3 51	0 57	1 12	1 16	11 10	1 22	17 8	0 26	19 24	1 34	17 30	0 42	23 12	0 32	6 43	9 30	15 27	15 53	18 36		n.a.
S 5	2 37	25 16	2 42	4 15	1 12	0 40	1 15	11 7	1 20	17 12	0 26	19 24	1 34	17 29	0 43	23 12	0 32	6 43	9 30	15 28	15 52	18 34		n.a.
M 6	3 1	27 16	3 36	4 32	1 26	0 9	1 14	11 3	1 17	17 15	0 25	19 23	1 34	17 28	0 43	23 12	0 32	6 44	9 30	15 28	15 51	18 31		n.a.
T 7	3 25	27 51	4 19	4 43	1 38	0s23	1 12	10 59	1 15	17 19	0 25	19 23	1 34	17 28	0 43	23 12	0 32	6 45	9 30	15 28	15 50	18 29		n.a.
W 8	3 49	27 4	4 50	4 48	1 48	0 55	1 11	10 55	1 12	17 22	0 25	19 22	1 34	17 27	0 43	23 12	0 32	6 46	9 29	15 28	15 49	18 26		n.a.
T 9	4 13	25 4	5 8	4 48	1 57	1 26	1 10	10 51	1 10	17 26	0 25	19 22	1 34	17 26	0 43	23 12	0 32	6 47	9 29	15 28	15 48	18 24		n.a.
F 10	4 37	21 58	5 12	4 42	2 3	1 58	1 8	10 47	1 7	17 29	0 25	19 21	1 34	17 26	0 43	23 12	0 32	6 48	9 29	15 26	15 47	18 21		n.a.
S 11	5 1	17 59	5 3	4 31	2 9	2 29	1 7	10 42	1 4	17 33	0 25	19 21	1 34	17 25	0 43	23 12	0 32	6 48	9 29	15 25	15 46	18 19		n.a.
S 12	5 25	13 18	4 41	4 16	2 13	3 1	1 5	10 38	1 1	17 36	0 25	19 20	1 35	17 24	0 43	23 12	0 32	6 49	9 28	15 23	15 45	18 16		n.a.
M13	5 49	8 5	4 6	3 57	2 15	3 32	1 4	10 33	0 59	17 40	0 24	19 20	1 35	17 24	0 43	23 12	0 32	6 50	9 28	15 22	15 44	18 14		n.a.
T 14	6 13	2 31	3 20	3 35	2 17	4 3	1 2	10 28	0 56	17 43	0 24	19 19	1 35	17 23	0 43	23 12	0 32	6 51	9 28	15 21	15 43	18 12		n.a.
W15	6 36	3s14	2 25	3 9	2 17	4 35	1 0	10 22	0 53	17 47	0 24	19 19	1 35	17 22	0 43	23 12	0 32	6 52	9 28	15 19	15 42	18 9		n.a.
T 16	7 0	8 57	1 21	2 41	2 17	5 6	0 59	10 17	0 50	17 50	0 24	19 18	1 35	17 22	0 43	23 12	0 32	6 53	9 27	15 19	15 41	18 7		n.a.
F 17	7 23	14 24	0 12	2 10	2 15	5 37	0 57	10 12	0 47	17 54	0 24	19 18	1 35	17 21	0 43	23 12	0 32	6 53	9 27	15 19	15 40	18 4		n.a.
S 18	7 47	19 20	0s58	1 37	2 13	6 8	0 55	10 6	0 45	17 57	0 24	19 17	1 35	17 21	0 43	23 12	0 32	6 54	9 27	15 19	15 39	18 2		n.a.
S 19	8 10	23 25	2 7	1 3	2 11	6 39	0 53	10 1	0 42	18 1	0 24	19 16	1 35	17 20	0 43	23 12	0 31	6 55	9 27	15 19	15 38	17 59		n.a.
M20	8 33	26 21	3 10	0 27	2 7	7 9	0 51	9 55	0 39	18 4	0 23	19 16	1 35	17 19	0 43	23 12	0 31	6 56	9 27	15 19	15 37	17 56		n.a.
T 21	8 56	27 48	4 3	0s10	2 3	7 40	0 49	9 49	0 36	18 8	0 23	19 15	1 35	17 19	0 43	23 12	0 31	6 57	9 26	15 20	15 36	17 54		n.a.
W22	9 19	27 35	4 44	0 49	1 59	8 10	0 47	9 44	0 33	18 11	0 23	19 14	1 35	17 18	0 43	23 13	0 31	6 58	9 26	15 20	15 35	17 51		n.a.
T 23	9 41	25 38	5 9	1 28	1 54	8 40	0 45	9 38	0 30	18 15	0 23	19 13	1 35	17 18	0 43	23 13	0 31	6 58	9 26	15 20	15 34	17 49		n.a.
F 24	10 4	22 4	5 16	2 7	1 49	9 10	0 43	9 32	0 27	18 18	0 23	19 13	1 35	17 17	0 43	23 13	0 31	6 59	9 26	15 20	15 33	17 46		n.a.
S 25	10 26	17 8	5 3	2 48	1 44	9 40	0 41	9 27	0 24	18 22	0 23	19 12	1 35	17 17	0 43	23 13	0 31	7 0	9 26	15 20	15 32	17 44		n.a.
S 26	10 48	11 11	4 30	3 28	1 38	10 9	0 39	9 21	0 21	18 25	0 23	19 11	1 35	17 16	0 43	23 13	0 31	7 1	9 25	15 19	15 31	17 41		n.a.
M27	11 10	4 36	3 40	4 9	1 32	10 39	0 37	9 15	0 18	18 29	0 23	19 11	1 35	17 16	0 43	23 13	0 31	7 2	9 25	15 19	15 30	17 39		n.a.
T 28	11 32	2n12	2 36	4 51	1 26	11 8	0 35	9 10	0 15	18 32	0 22	19 10	1 35	17 15	0 43	23 13	0 31	7 3	9 25	15 18	15 29	17 36		n.a.
W29	11 54	8 50	1 23	5 32	1 20	11 36	0 33	9 4	0 12	18 36	0 22	19 9	1 35	17 15	0 43	23 13	0 31	7 3	9 25	15 18	15 28	17 34		n.a.
T 30	12 15	14 55	0 5	6 13	1 13	12 5	0 31	8 59	0 9	18 39	0 22	19 8	1 35	17 15	0 43	23 13	0 31	7 4	9 25	15 18	15 27	17 31		n.a.
F 31	12s37	20n 6	1n11	6s55	1n 7	12s33	0n28	8n54	0s 7	18s42	0n22	19n 7	1s35	17n14	0n44	23s13	0n31	7s 5	9n25	15n18	15n26	17n28		n.a.

Julian Day Number = 1548933.5, Delta T = 04h32m15s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'41, Lahiri = -10°28'41 Julian Calendar 1 Oct. 473 BCE == Greg. Calendar 26 Sept. 473 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

NOVEMBER 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 18 57	3♏50'07	7♊15	21♎36	5♏11	22°R31	24♏24	1°R 8	15♌ 2	27♐49	13♏25	10♉55	11♉18	26♌41	n.a.	S 1
S 2	2 22 54	4°51'10	20°19	23° 8	6°26	22♈11	24°37	1♊ 4	15° 4	27°51	13°28	10°56	11°15	26°48	n.a.	S 2
M 3	2 26 51	5°52'13	3♋ 3	24°41	7°42	21°51	24°51	1° 0	15° 5	27°52	13°30	10°57	11°11	26°55	n.a.	M 3
T 4	2 30 47	6°53'18	15°28	26°14	8°58	21°32	25° 4	0°55	15° 6	27°54	13°32	10°57	11° 8	27° 2	n.a.	T 4
W 5	2 34 44	7°54'23	27°38	27°47	10°13	21°14	25°18	0°51	15° 7	27°55	13°34	10°57	11° 5	27° 8	n.a.	W 5
T 6	2 38 40	8°55'30	9♌37	29°20	11°29	20°56	25°31	0°47	15° 9	27°57	13°37	10°R57	11° 2	27°15	n.a.	T 6
F 7	2 42 37	9°56'38	21°30	0♏54	12°44	20°39	25°45	0°42	15°10	27°59	13°39	10°57	10°59	27°22	n.a.	F 7
S 8	2 46 33	10°57'47	3♍22	2°27	14° 0	20°23	25°59	0°38	15°11	28° 0	13°41	10°D57	10°55	27°28	n.a.	S 8
S 9	2 50 30	11°58'57	15°17	4° 0	15°15	20° 7	26°12	0°33	15°12	28° 2	13°44	10°57	10°52	27°35	n.a.	S 9
M10	2 54 26	13° 0'08	27°19	5°34	16°31	19°53	26°26	0°28	15°13	28° 4	13°46	10°58	10°49	27°42	n.a.	M10
T 11	2 58 23	14° 1'20	9♎33	7° 7	17°46	19°38	26°40	0°24	15°13	28° 5	13°48	10°58	10°46	27°49	n.a.	T 11
W12	3 2 20	15° 2'32	22° 0	8°41	19° 2	19°25	26°53	0°19	15°14	28° 7	13°50	10°58	10°43	27°55	n.a.	W12
T 13	3 6 16	16° 3'46	4♏42	10°15	20°17	19°12	27° 7	0°14	15°15	28° 9	13°53	10°R58	10°40	28° 2	n.a.	T 13
F 14	3 10 13	17° 5'00	17°41	11°49	21°33	19° 1	27°21	0°10	15°16	28°11	13°55	10°58	10°36	28° 9	n.a.	F 14
S 15	3 14 9	18° 6'14	0♐55	13°23	22°48	18°50	27°35	0° 5	15°16	28°13	13°57	10°58	10°33	28°15	n.a.	S 15
S 16	3 18 6	19° 7'29	14°24	14°57	24° 4	18°39	27°48	29♉59	15°17	28°14	14° 0	10°57	10°30	28°22	n.a.	S 16
M17	3 22 2	20° 8'45	28° 6	16°31	25°19	18°30	28° 2	29°55	15°17	28°16	14° 2	10°56	10°27	28°29	n.a.	M17
T 18	3 25 59	21°10'01	11♑58	18° 6	26°35	18°22	28°16	29°50	15°18	28°18	14° 4	10°55	10°24	28°36	n.a.	T 18
W19	3 29 56	22°11'17	25°59	19°40	27°50	18°14	28°30	29°45	15°18	28°20	14° 7	10°54	10°21	28°42	n.a.	W19
T 20	3 33 52	23°12'32	10♒ 5	21°15	29° 6	18° 7	28°44	29°40	15°19	28°22	14° 9	10°53	10°17	28°49	n.a.	T 20
F 21	3 37 49	24°13'48	24°15	22°50	0♐21	18° 1	28°58	29°35	15°19	28°24	14°11	10°D52	10°14	28°56	n.a.	F 21
S 22	3 41 45	25°15'04	8♓26	24°25	1°37	17°56	29°11	29°30	15°19	28°26	14°13	10°53	10°11	29° 2	n.a.	S 22
S 23	3 45 42	26°16'20	22°37	26° 1	2°52	17°52	29°25	29°25	15°19	28°28	14°16	10°54	10° 8	29° 9	n.a.	S 23
M24	3 49 38	27°17'35	6♈44	27°36	4° 8	17°48	29°39	29°20	15°20	28°30	14°18	10°55	10° 5	29°16	n.a.	M24
T 25	3 53 35	28°18'50	20°46	29°12	5°23	17°45	29°53	29°15	15°20	28°32	14°20	10°56	10° 1	29°23	n.a.	T 25
W26	3 57 31	29°20'06	4♉41	0♐49	6°39	17°43	0♐ 7	29°10	15°R20	28°34	14°22	10°R57	9°58	29°29	n.a.	W26
T 27	4 1 28	0♐21'21	18°24	2°25	7°54	17°42	0°21	29° 5	15°20	28°36	14°25	10°57	9°55	29°36	n.a.	T 27
F 28	4 5 25	1°22'36	1♊54	4° 2	9° 9	17°D42	0°35	29° 0	15°19	28°38	14°27	10°56	9°52	29°43	n.a.	F 28
S 29	4 9 21	2°23'51	15° 8	5°39	10°25	17°42	0°49	28°55	15°19	28°40	14°29	10°54	9°49	29°50	n.a.	S 29
S 30	4 13 18	3♐25'07	28♊ 6	7♐17	11♐40	17♈44	1♐ 3	28♉50	15♌19	28♐42	14♏31	10♉50	9♉46	29♌56	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s58	24n 7	2n21	7s36	1n 0	13s 1	0n26	8n49	0s 4	18s46	0n22	19n 6	1s35	17n14	0n44	23s13	0n31	7s 6	9n25	15n18	15n25	17n26		n.a.
S 2	13 19	26 45	3 22	8 17	0 53	13 28	0 24	8 44	0 1	18 49	0 22	19 6	1 35	17 13	0 44	23 13	0 31	7 7	9 24	15 18	15 24	17 23		n.a.
M 3	13 39	27 54	4 10	8 58	0 47	13 55	0 22	8 39	0n 2	18 53	0 22	19 5	1 35	17 13	0 44	23 13	0 31	7 7	9 24	15 18	15 23	17 21		n.a.
T 4	14 0	27 35	4 46	9 38	0 40	14 22	0 19	8 34	0 5	18 56	0 22	19 4	1 35	17 13	0 44	23 13	0 31	7 8	9 24	15 18	15 22	17 18		n.a.
W 5	14 20	25 57	5 9	10 19	0 33	14 49	0 17	8 30	0 7	19 0	0 21	19 3	1 35	17 12	0 44	23 13	0 31	7 9	9 24	15 19	15 21	17 15		n.a.
T 6	14 40	23 10	5 17	10 59	0 26	15 15	0 15	8 26	0 10	19 3	0 21	19 2	1 35	17 12	0 44	23 13	0 31	7 10	9 24	15 19	15 20	17 13		n.a.
F 7	14 59	19 26	5 12	11 38	0 19	15 40	0 12	8 22	0 12	19 6	0 21	19 1	1 35	17 12	0 44	23 13	0 31	7 10	9 24	15 19	15 19	17 10		n.a.
S 8	15 19	14 57	4 53	12 17	0 13	16 6	0 10	8 18	0 15	19 10	0 21	19 0	1 35	17 12	0 44	23 13	0 31	7 11	9 24	15 19	15 18	17 8		n.a.
S 9	15 38	9 53	4 22	12 56	0 6	16 30	0 7	8 14	0 18	19 13	0 21	18 59	1 35	17 11	0 44	23 13	0 31	7 12	9 24	15 19	15 17	17 5		n.a.
M10	15 57	4 25	3 39	13 34	0s 1	16 55	0 5	8 11	0 20	19 16	0 21	18 58	1 35	17 11	0 44	23 13	0 31	7 13	9 23	15 19	15 16	17 2		n.a.
T 11	16 15	1s18	2 46	14 11	0 8	17 19	0 3	8 8	0 22	19 20	0 21	18 57	1 35	17 11	0 44	23 14	0 31	7 13	9 23	15 19	15 15	17 0		n.a.
W12	16 34	7 5	1 43	14 48	0 14	17 42	0 0	8 5	0 25	19 23	0 21	18 56	1 35	17 11	0 44	23 14	0 31	7 14	9 23	15 19	15 14	16 57		n.a.
T 13	16 52	12 43	0 35	15 25	0 21	18 5	0s 2	8 2	0 27	19 26	0 21	18 56	1 35	17 11	0 44	23 14	0 31	7 15	9 23	15 19	15 13	16 55		n.a.
F 14	17 9	17 55	0s37	16 0	0 27	18 28	0 4	8 0	0 29	19 30	0 20	18 55	1 35	17 10	0 44	23 14	0 31	7 16	9 23	15 19	15 12	16 52		n.a.
S 15	17 27	22 23	1 48	16 35	0 33	18 50	0 7	7 57	0 32	19 33	0 20	18 54	1 35	17 10	0 44	23 14	0 31	7 16	9 23	15 19	15 11	16 49		n.a.
S 16	17 44	25 43	2 55	17 10	0 40	19 11	0 9	7 55	0 34	19 36	0 20	18 53	1 35	17 10	0 44	23 14	0 31	7 17	9 23	15 19	15 10	16 47		n.a.
M17	18 1	27 37	3 52	17 43	0 46	19 32	0 12	7 54	0 36	19 39	0 20	18 52	1 34	17 10	0 44	23 14	0 31	7 18	9 23	15 18	15 9	16 44		n.a.
T 18	18 17	27 48	4 37	18 16	0 52	19 52	0 14	7 52	0 38	19 43	0 20	18 51	1 34	17 10	0 44	23 14	0 31	7 19	9 23	15 18	15 8	16 41		n.a.
W19	18 33	26 14	5 6	18 48	0 58	20 12	0 16	7 51	0 40	19 46	0 20	18 50	1 34	17 10	0 44	23 14	0 31	7 19	9 23	15 17	15 7	16 39		n.a.
T 20	18 49	23 1	5 16	19 19	1 3	20 31	0 19	7 51	0 42	19 49	0 20	18 49	1 34	17 10	0 44	23 14	0 31	7 20	9 23	15 17	15 6	16 36		n.a.
F 21	19 5	18 26	5 8	19 50	1 9	20 50	0 21	7 50	0 44	19 52	0 20	18 48	1 34	17 10	0 44	23 14	0 31	7 21	9 23	15 17	15 5	16 33		n.a.
S 22	19 20	12 50	4 40	20 19	1 14	21 8	0 23	7 50	0 46	19 55	0 20	18 47	1 34	17 10	0 45	23 14	0 31	7 21	9 23	15 17	15 4	16 31		n.a.
S 23	19 34	6 35	3 56	20 48	1 19	21 26	0 26	7 50	0 48	19 59	0 19	18 46	1 34	17 10	0 45	23 14	0 31	7 22	9 23	15 17	15 3	16 28		n.a.
M24	19 49	0 0	2 58	21 15	1 24	21 42	0 28	7 50	0 49	20 2	0 19	18 45	1 34	17 10	0 45	23 14	0 31	7 23	9 23	15 18	15 2	16 25		n.a.
T 25	20 3	6n32	1 49	21 41	1 29	21 59	0 30	7 51	0 51	20 5	0 19	18 44	1 34	17 10	0 45	23 14	0 31	7 23	9 23	15 18	15 1	16 23		n.a.
W26	20 16	12 42	0 35	22 7	1 33	22 14	0 32	7 51	0 53	20 8	0 19	18 43	1 34	17 10	0 45	23 14	0 31	7 24	9 23	15 18	15 0	16 20		n.a.
T 27	20 30	18 11	0n41	22 31	1 38	22 29	0 35	7 52	0 55	20 11	0 19	18 42	1 34	17 10	0 45	23 14	0 31	7 25	9 23	15 18	14 59	16 17		n.a.
F 28	20 42	22 39	1 53	22 54	1 42	22 43	0 37	7 54	0 56	20 14	0 19	18 41	1 34	17 10	0 45	23 14	0 31	7 25	9 23	15 18	14 58	16 14		n.a.
S 29	20 55	25 51	2 57	23 16	1 46	22 57	0 39	7 55	0 58	20 17	0 19	18 40	1 33	17 10	0 45	23 14	0 30	7 26	9 23	15 17	14 57	16 12		n.a.
S 30	21s 7	27n35	3n51	23s36	1s49	23s10	0s41	7n57	0n59	20s20	0n19	18n39	1s33	17n10	0n45	23s14	0n30	7s27	9n23	15n16	14n56	16n 9		n.a.

Julian Day Number = 1548964.5, Delta T = 04h32m14s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'37, Lahiri = -10°28'36 Julian Calendar 1 Nov. 473 BCE == Greg. Calendar 27 Oct. 473 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 473 BCE
geocentric

DECEMBER 473 BCE (-472) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 17 14	4♐26'22	10♋47	8♐54	12♐55	17♈46	1♐17	28°R45	15°R19	28♐44	14♏33	10°R46	9♉42	0♍ 3	n.a.	M 1
T 2	4 21 11	5°27'37	23°12	10°32	14°11	17°48	1°30	28♉40	15♌19	28°46	14°36	10♉42	9°39	0°10	n.a.	T 2
W 3	4 25 7	6°28'53	5♌23	12°11	15°26	17°52	1°44	28°35	15°18	28°49	14°38	10°38	9°36	0°16	n.a.	W 3
T 4	4 29 4	7°30'08	17°23	13°50	16°41	17°56	1°58	28°31	15°18	28°51	14°40	10°36	9°33	0°23	n.a.	T 4
F 5	4 33 1	8°31'23	29°17	15°29	17°57	18° 1	2°12	28°26	15°17	28°53	14°42	10°34	9°30	0°30	n.a.	F 5
S 6	4 36 57	9°32'38	11♍ 8	17° 8	19°12	18° 6	2°26	28°21	15°17	28°55	14°44	10°D33	9°27	0°37	n.a.	S 6
S 7	4 40 54	10°33'53	23° 2	18°47	20°27	18°13	2°40	28°16	15°16	28°57	14°46	10°34	9°23	0°43	n.a.	S 7
M 8	4 44 50	11°35'08	5♎ 4	20°27	21°43	18°19	2°54	28°11	15°15	28°59	14°49	10°36	9°20	0°50	n.a.	M 8
T 9	4 48 47	12°36'23	17°19	22° 7	22°58	18°27	3° 8	28° 6	15°15	29° 2	14°51	10°37	9°17	0°57	n.a.	T 9
W10	4 52 43	13°37'37	29°50	23°47	24°13	18°35	3°21	28° 2	15°14	29° 4	14°53	10°39	9°14	1° 3	n.a.	W10
T 11	4 56 40	14°38'52	12♏41	25°27	25°29	18°44	3°35	27°57	15°13	29° 6	14°55	10°R39	9°11	1°10	n.a.	T 11
F 12	5 0 36	15°40'06	25°54	27° 7	26°44	18°54	3°49	27°52	15°12	29° 8	14°57	10°38	9° 7	1°17	n.a.	F 12
S 13	5 4 33	16°41'19	9♐29	28°47	27°59	19° 4	4° 3	27°48	15°11	29°11	14°59	10°35	9° 4	1°24	n.a.	S 13
S 14	5 8 30	17°42'32	23°25	0♑27	29°14	19°15	4°16	27°43	15°10	29°13	15° 1	10°31	9° 1	1°30	n.a.	S 14
M15	5 12 26	18°43'44	7♑36	2° 6	0♑30	19°26	4°30	27°39	15° 9	29°15	15° 3	10°25	8°58	1°37	n.a.	M15
T 16	5 16 23	19°44'56	21°59	3°44	1°45	19°38	4°44	27°34	15° 8	29°17	15° 5	10°18	8°55	1°44	n.a.	T 16
W17	5 20 19	20°46'06	6♒27	5°22	3° 0	19°51	4°58	27°30	15° 7	29°20	15° 7	10°12	8°52	1°50	n.a.	W17
T 18	5 24 16	21°47'16	20°54	6°58	4°15	20° 4	5°11	27°25	15° 6	29°22	15° 9	10° 7	8°48	1°57	n.a.	T 18
F 19	5 28 12	22°48'24	5♓15	8°33	5°30	20°17	5°25	27°21	15° 5	29°24	15°11	10° 4	8°45	2° 4	n.a.	F 19
S 20	5 32 9	23°49'31	19°27	10° 6	6°45	20°31	5°38	27°17	15° 3	29°26	15°13	10°D 2	8°42	2°11	n.a.	S 20
S 21	5 36 6	24°50'37	3♈29	11°37	8° 1	20°46	5°52	27°13	15° 2	29°29	15°15	10° 2	8°39	2°17	n.a.	S 21
M22	5 40 2	25°51'42	17°19	13° 5	9°16	21° 1	6° 6	27° 9	15° 1	29°31	15°16	10° 4	8°36	2°24	n.a.	M22
T 23	5 43 59	26°52'45	0♉57	14°30	10°31	21°17	6°19	27° 5	14°59	29°33	15°18	10° 5	8°33	2°31	n.a.	T 23
W24	5 47 55	27°53'47	14°24	15°51	11°46	21°33	6°33	27° 1	14°58	29°35	15°20	10°R 5	8°29	2°37	n.a.	W24
T 25	5 51 52	28°54'48	27°41	17° 7	13° 1	21°50	6°46	26°57	14°56	29°38	15°22	10° 4	8°26	2°44	n.a.	T 25
F 26	5 55 48	29°55'48	10♊46	18°18	14°16	22° 7	6°59	26°53	14°55	29°40	15°24	10° 0	8°23	2°51	n.a.	F 26
S 27	5 59 45	0♑56'47	23°41	19°23	15°31	22°24	7°13	26°49	14°53	29°42	15°25	9°53	8°20	2°58	n.a.	S 27
S 28	6 3 41	1°57'44	6♋23	20°21	16°46	22°42	7°26	26°46	14°51	29°45	15°27	9°45	8°17	3° 4	n.a.	S 28
M29	6 7 38	2°58'41	18°53	21°11	18° 1	23° 0	7°39	26°42	14°50	29°47	15°29	9°34	8°13	3°11	n.a.	M29
T 30	6 11 35	3°59'36	1♌12	21°53	19°16	23°19	7°53	26°39	14°48	29°49	15°31	9°24	8°10	3°18	n.a.	T 30
W31	6 15 31	5♑ 0'30	13♌20	22♑26	20♑31	23♈38	8♐ 6	26♉36	14♌46	29♐51	15♏32	9♉13	8♉ 7	3♍24	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	21 s18	27n50	4n32	23 s55	1 s52	23 s22	0 s43	7n59	1n 1	20 s23	0n19	18n38	1 s33	17n10	0n45	23 s14	0n30	7 s27	9n23	15n15	14n55	16n 6			n.a.
T 2	21 30	26 38	4 59	24 13	1 55	23 33	0 46	8 2	1 2	20 26	0 19	18 37	1 33	17 10	0 45	23 14	0 30	7 28	9 23	15 14	14 54	16 4			n.a.
W 3	21 41	24 13	5 12	24 30	1 58	23 44	0 48	8 4	1 3	20 29	0 18	18 36	1 33	17 10	0 45	23 15	0 30	7 28	9 23	15 13	14 53	16 1			n.a.
T 4	21 51	20 45	5 11	24 45	2 0	23 54	0 50	8 7	1 5	20 32	0 18	18 35	1 33	17 11	0 45	23 15	0 30	7 29	9 23	15 12	14 52	15 58			n.a.
F 5	22 1	16 30	4 57	24 58	2 2	24 3	0 52	8 10	1 6	20 35	0 18	18 34	1 33	17 11	0 45	23 15	0 30	7 30	9 23	15 11	14 51	15 55			n.a.
S 6	22 10	11 38	4 30	25 10	2 3	24 12	0 54	8 13	1 7	20 38	0 18	18 33	1 33	17 11	0 45	23 15	0 30	7 30	9 23	15 11	14 50	15 53			n.a.
S 7	22 19	6 20	3 51	25 21	2 5	24 20	0 56	8 17	1 8	20 40	0 18	18 32	1 32	17 11	0 45	23 15	0 30	7 31	9 23	15 11	14 49	15 50			n.a.
M 8	22 28	0 45	3 2	25 29	2 5	24 27	0 57	8 21	1 10	20 43	0 18	18 31	1 32	17 12	0 45	23 15	0 30	7 31	9 23	15 12	14 48	15 47			n.a.
T 9	22 36	4 s59	2 4	25 36	2 5	24 33	0 59	8 25	1 11	20 46	0 18	18 30	1 32	17 12	0 45	23 15	0 30	7 32	9 23	15 12	14 47	15 44			n.a.
W10	22 44	10 39	0 59	25 41	2 5	24 39	1 1	8 29	1 12	20 49	0 18	18 29	1 32	17 12	0 45	23 15	0 30	7 32	9 23	15 13	14 46	15 42			n.a.
T 11	22 51	16 1	0 s11	25 45	2 4	24 43	1 3	8 33	1 13	20 51	0 18	18 28	1 32	17 12	0 45	23 15	0 30	7 33	9 23	15 13	14 45	15 39			n.a.
F 12	22 58	20 49	1 22	25 46	2 3	24 47	1 5	8 38	1 14	20 54	0 18	18 27	1 32	17 13	0 45	23 15	0 30	7 33	9 23	15 13	14 43	15 36			n.a.
S 13	23 5	24 39	2 30	25 46	2 1	24 51	1 6	8 43	1 15	20 57	0 17	18 26	1 32	17 13	0 45	23 15	0 30	7 34	9 23	15 12	14 42	15 33			n.a.
S 14	23 11	27 6	3 31	25 44	1 58	24 53	1 8	8 48	1 16	21 0	0 17	18 26	1 31	17 13	0 45	23 15	0 30	7 35	9 23	15 10	14 41	15 31			n.a.
M15	23 16	27 52	4 20	25 39	1 55	24 55	1 10	8 53	1 17	21 2	0 17	18 25	1 31	17 14	0 46	23 15	0 30	7 35	9 23	15 8	14 40	15 28			n.a.
T 16	23 21	26 46	4 54	25 33	1 51	24 56	1 11	8 58	1 18	21 5	0 17	18 24	1 31	17 14	0 46	23 15	0 30	7 35	9 23	15 6	14 39	15 25			n.a.
W17	23 26	23 53	5 9	25 25	1 47	24 56	1 13	9 4	1 19	21 7	0 17	18 23	1 31	17 14	0 46	23 15	0 30	7 36	9 23	15 4	14 38	15 22			n.a.
T 18	23 30	19 30	5 4	25 15	1 41	24 55	1 14	9 10	1 19	21 10	0 17	18 22	1 31	17 15	0 46	23 15	0 30	7 36	9 23	15 3	14 37	15 19			n.a.
F 19	23 33	14 2	4 40	25 3	1 35	24 54	1 16	9 16	1 20	21 13	0 17	18 21	1 31	17 15	0 46	23 15	0 30	7 37	9 24	15 2	14 36	15 17			n.a.
S 20	23 36	7 53	3 59	24 49	1 28	24 52	1 17	9 22	1 21	21 15	0 17	18 21	1 30	17 16	0 46	23 15	0 30	7 37	9 24	15 1	14 35	15 14			n.a.
S 21	23 39	1 25	3 5	24 34	1 20	24 49	1 18	9 28	1 22	21 18	0 17	18 20	1 30	17 16	0 46	23 15	0 30	7 38	9 24	15 1	14 34	15 11			n.a.
M22	23 41	5n 2	2 0	24 17	1 11	24 45	1 20	9 35	1 22	21 20	0 17	18 19	1 30	17 16	0 46	23 15	0 30	7 38	9 24	15 2	14 33	15 8			n.a.
T 23	23 43	11 11	0 49	23 58	1 1	24 40	1 21	9 41	1 23	21 23	0 17	18 18	1 30	17 17	0 46	23 15	0 30	7 39	9 24	15 2	14 32	15 5			n.a.
W24	23 44	16 45	0n23	23 38	0 51	24 35	1 22	9 48	1 24	21 25	0 16	18 18	1 30	17 17	0 46	23 15	0 30	7 39	9 24	15 2	14 31	15 3			n.a.
T 25	23 45	21 25	1 33	23 17	0 39	24 29	1 23	9 55	1 24	21 27	0 16	18 17	1 29	17 18	0 46	23 15	0 30	7 39	9 24	15 1	14 30	15 0			n.a.
F 26	23 45	24 57	2 37	22 55	0 26	24 22	1 24	10 2	1 25	21 30	0 16	18 16	1 29	17 18	0 46	23 15	0 30	7 40	9 24	15 0	14 29	14 57			n.a.
S 27	23 45	27 8	3 32	22 32	0 12	24 15	1 25	10 9	1 26	21 32	0 16	18 16	1 29	17 19	0 46	23 15	0 30	7 40	9 24	14 58	14 28	14 54			n.a.
S 28	23 44	27 51	4 15	22 9	0n 2	24 6	1 26	10 17	1 26	21 34	0 16	18 15	1 29	17 19	0 46	23 15	0 30	7 41	9 25	14 55	14 27	14 51			n.a.
M29	23 43	27 7	4 45	21 46	0 18	23 57	1 27	10 24	1 27	21 37	0 16	18 14	1 29	17 20	0 46	23 15	0 30	7 41	9 25	14 52	14 26	14 49			n.a.
T 30	23 42	25 3	5 2	21 24	0 34	23 47	1 27	10 32	1 27	21 39	0 16	18 14	1 28	17 20	0 46	23 15	0 30	7 41	9 25	14 49	14 25	14 46			n.a.
W31	23 s39	21n53	5n 4	21 s 2	0n51	23 s37	1 s28	10n39	1n28	21 s41	0n16	18n13	1 s28	17n21	0n46	23 s15	0n30	7 s42	9n25	14n45	14n24	14n43			n.a.

Julian Day Number = 1548994.5, Delta T = 04h32m13s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'33, Lahiri = -10°28'32 Julian Calendar 1 Dec. 473 BCE == Greg. Calendar 26 Nov. 473 BCE

The year -472 astronomical counting style corresponds to year 473 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

JANUARY 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 19 28	6♑ 1'23	25♌19	22♑49	21♑46	23♈58	8♐19	26°R32	14°R44	29♐54	15♏34	9°R 4	8♉ 4	3♍31	n.a.	T 1
F 2	6 23 24	7° 2'15	7♍11	23° 1	23° 1	24°18	8°32	26♉29	14♌43	29°56	15°35	8♉58	8° 1	3°38	n.a.	F 2
S 3	6 27 21	8° 3'05	19° 2	23°R 2	24°15	24°38	8°45	26°26	14°41	29°58	15°37	8°53	7°58	3°44	n.a.	S 3
S 4	6 31 17	9° 3'55	0♎54	22°53	25°30	24°59	8°58	26°23	14°39	0♑ 0	15°39	8°51	7°54	3°51	n.a.	S 4
M 5	6 35 14	10° 4'43	12°53	22°32	26°45	25°20	9°11	26°20	14°37	0° 3	15°40	8°D50	7°51	3°58	n.a.	M 5
T 6	6 39 10	11° 5'30	25° 4	22° 1	28° 0	25°41	9°24	26°17	14°35	0° 5	15°42	8°51	7°48	4° 5	n.a.	T 6
W 7	6 43 7	12° 6'16	7♏33	21°20	29°15	26° 3	9°37	26°15	14°33	0° 7	15°43	8°R52	7°45	4°11	n.a.	W 7
T 8	6 47 4	13° 7'01	20°25	20°31	0♒30	26°25	9°49	26°12	14°31	0° 9	15°45	8°51	7°42	4°18	n.a.	T 8
F 9	6 51 0	14° 7'45	3♐42	19°33	1°44	26°47	10° 2	26° 9	14°29	0°12	15°46	8°48	7°39	4°25	n.a.	F 9
S 10	6 54 57	15° 8'27	17°27	18°30	2°59	27°10	10°15	26° 7	14°26	0°14	15°48	8°43	7°35	4°31	n.a.	S 10
S 11	6 58 53	16° 9'08	1♑38	17°23	4°14	27°33	10°27	26° 5	14°24	0°16	15°49	8°35	7°32	4°38	n.a.	S 11
M12	7 2 50	17° 9'48	16°11	16°14	5°29	27°56	10°40	26° 2	14°22	0°18	15°50	8°25	7°29	4°45	n.a.	M12
T 13	7 6 46	18°10'26	1♒ 1	15° 5	6°43	28°20	10°53	26° 0	14°20	0°20	15°52	8°14	7°26	4°52	n.a.	T 13
W14	7 10 43	19°11'02	15°57	13°57	7°58	28°44	11° 5	25°58	14°17	0°23	15°53	8° 3	7°23	4°58	n.a.	W14
T 15	7 14 39	20°11'36	0♓50	12°52	9°12	29° 8	11°17	25°56	14°15	0°25	15°54	7°54	7°19	5° 5	n.a.	T 15
F 16	7 18 36	21°12'08	15°33	11°51	10°27	29°33	11°30	25°55	14°13	0°27	15°55	7°47	7°16	5°12	n.a.	F 16
S 17	7 22 33	22°12'38	29°59	10°56	11°42	29°57	11°42	25°53	14°11	0°29	15°57	7°43	7°13	5°18	n.a.	S 17
S 18	7 26 29	23°13'06	14♈ 7	10° 8	12°56	0♉22	11°54	25°51	14° 8	0°31	15°58	7°41	7°10	5°25	n.a.	S 18
M19	7 30 26	24°13'32	27°55	9°26	14°11	0°47	12° 6	25°50	14° 6	0°33	15°59	7°D41	7° 7	5°32	n.a.	M19
T 20	7 34 22	25°13'56	11♉23	8°52	15°25	1°13	12°18	25°49	14° 3	0°36	16° 0	7°R41	7° 4	5°39	n.a.	T 20
W21	7 38 19	26°14'18	24°35	8°25	16°40	1°39	12°30	25°47	14° 1	0°38	16° 1	7°40	7° 0	5°45	n.a.	W21
T 22	7 42 15	27°14'38	7♊33	8° 6	17°54	2° 5	12°42	25°46	13°58	0°40	16° 2	7°37	6°57	5°52	n.a.	T 22
F 23	7 46 12	28°14'56	20°18	7°54	19° 8	2°31	12°54	25°45	13°56	0°42	16° 3	7°31	6°54	5°59	n.a.	F 23
S 24	7 50 8	29°15'12	2♋52	7°D49	20°23	2°57	13° 5	25°44	13°54	0°44	16° 4	7°22	6°51	6° 5	n.a.	S 24
S 25	7 54 5	0♒15'25	15°18	7°51	21°37	3°24	13°17	25°44	13°51	0°46	16° 5	7°10	6°48	6°12	n.a.	S 25
M26	7 58 2	1°15'37	27°34	7°59	22°51	3°51	13°28	25°43	13°48	0°48	16° 6	6°57	6°45	6°19	n.a.	M26
T 27	8 1 58	2°15'47	9♌43	8°13	24° 5	4°18	13°40	25°42	13°46	0°50	16° 7	6°42	6°41	6°25	n.a.	T 27
W28	8 5 55	3°15'55	21°44	8°32	25°20	4°45	13°51	25°42	13°43	0°52	16° 8	6°28	6°38	6°32	n.a.	W28
T 29	8 9 51	4°16'01	3♍39	8°57	26°34	5°13	14° 3	25°42	13°41	0°54	16° 9	6°15	6°35	6°39	n.a.	T 29
F 30	8 13 48	5°16'05	15°30	9°27	27°48	5°40	14°14	25°41	13°38	0°56	16° 9	6° 5	6°32	6°46	n.a.	F 30
S 31	8 17 44	6♒16'07	27♍19	10♑ 2	29♒ 2	6♉ 8	14♐25	25°D41	13♌36	0♑58	16♏10	5♉58	6♉29	6♍52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23s37	17n50	4n53	20s41	1n 8	23s26	1s29	10n47	1n28	21s43	0n16	18n13	1s28	17n22	0n46	23s15	0n30	7s42	9n25	14n43	14n23	14n40			n.a.
F 2	23 34	13 8	4 29	20 21	1 26	23 14	1 29	10 55	1 29	21 45	0 16	18 12	1 28	17 22	0 46	23 15	0 30	7 42	9 25	14 40	14 22	14 37			n.a.
S 3	23 30	7 58	3 54	20 3	1 44	23 1	1 30	11 3	1 29	21 48	0 16	18 12	1 28	17 23	0 46	23 15	0 30	7 43	9 25	14 39	14 21	14 34			n.a.
S 4	23 26	2 31	3 8	19 47	2 2	22 48	1 30	11 11	1 30	21 50	0 16	18 11	1 27	17 23	0 46	23 15	0 30	7 43	9 26	14 38	14 20	14 31			n.a.
M 5	23 22	3s 6	2 14	19 33	2 19	22 34	1 31	11 19	1 30	21 52	0 15	18 11	1 27	17 24	0 46	23 15	0 30	7 43	9 26	14 38	14 19	14 29			n.a.
T 6	23 17	8 42	1 13	19 22	2 36	22 19	1 31	11 28	1 31	21 54	0 15	18 10	1 27	17 25	0 46	23 15	0 30	7 43	9 26	14 38	14 18	14 26			n.a.
W 7	23 12	14 6	0 7	19 13	2 51	22 4	1 31	11 36	1 31	21 56	0 15	18 10	1 27	17 25	0 46	23 15	0 30	7 44	9 26	14 38	14 17	14 23			n.a.
T 8	23 6	19 4	1s 1	19 7	3 5	21 48	1 32	11 44	1 31	21 58	0 15	18 9	1 27	17 26	0 46	23 15	0 30	7 44	9 26	14 38	14 16	14 20			n.a.
F 9	23 0	23 16	2 8	19 2	3 18	21 31	1 32	11 53	1 32	22 0	0 15	18 9	1 26	17 27	0 46	23 15	0 30	7 44	9 26	14 37	14 14	14 17			n.a.
S 10	22 53	26 18	3 10	19 1	3 29	21 14	1 32	12 2	1 32	22 2	0 15	18 9	1 26	17 27	0 46	23 15	0 30	7 44	9 27	14 36	14 13	14 14			n.a.
S 11	22 46	27 46	4 2	19 1	3 37	20 56	1 32	12 10	1 33	22 4	0 15	18 8	1 26	17 28	0 46	23 15	0 30	7 45	9 27	14 33	14 12	14 11			n.a.
M12	22 38	27 23	4 40	19 4	3 43	20 38	1 32	12 19	1 33	22 6	0 15	18 8	1 26	17 29	0 46	23 15	0 30	7 45	9 27	14 30	14 11	14 8			n.a.
T 13	22 30	25 3	4 59	19 8	3 47	20 19	1 31	12 28	1 33	22 8	0 15	18 8	1 25	17 29	0 46	23 15	0 30	7 45	9 27	14 26	14 10	14 6			n.a.
W14	22 22	21 0	4 59	19 14	3 48	19 59	1 31	12 37	1 33	22 9	0 15	18 7	1 25	17 30	0 47	23 15	0 30	7 45	9 27	14 23	14 9	14 3			n.a.
T 15	22 13	15 38	4 38	19 21	3 48	19 39	1 31	12 46	1 34	22 11	0 15	18 7	1 25	17 31	0 47	23 15	0 30	7 45	9 27	14 20	14 8	14 0			n.a.
F 16	22 3	9 26	3 59	19 29	3 45	19 18	1 31	12 55	1 34	22 13	0 14	18 7	1 25	17 31	0 47	23 15	0 30	7 46	9 28	14 17	14 7	13 57			n.a.
S 17	21 54	2 50	3 5	19 39	3 40	18 57	1 30	13 4	1 34	22 15	0 14	18 7	1 24	17 32	0 47	23 15	0 30	7 46	9 28	14 16	14 6	13 54			n.a.
S 18	21 44	3n47	2 1	19 49	3 34	18 35	1 30	13 13	1 35	22 17	0 14	18 7	1 24	17 33	0 47	23 15	0 30	7 46	9 28	14 15	14 5	13 51			n.a.
M19	21 33	10 4	0 52	20 0	3 26	18 13	1 29	13 23	1 35	22 18	0 14	18 7	1 24	17 34	0 47	23 15	0 30	7 46	9 28	14 15	14 4	13 48			n.a.
T 20	21 22	15 45	0n20	20 11	3 16	17 50	1 28	13 32	1 35	22 20	0 14	18 6	1 24	17 34	0 47	23 15	0 30	7 46	9 28	14 15	14 3	13 45			n.a.
W21	21 11	20 35	1 28	20 23	3 6	17 27	1 28	13 41	1 35	22 22	0 14	18 6	1 24	17 35	0 47	23 15	0 30	7 46	9 29	14 15	14 2	13 42			n.a.
T 22	20 59	24 20	2 31	20 35	2 56	17 3	1 27	13 51	1 35	22 23	0 14	18 6	1 23	17 36	0 47	23 15	0 30	7 46	9 29	14 14	14 1	13 39			n.a.
F 23	20 47	26 48	3 25	20 47	2 44	16 39	1 26	14 0	1 36	22 25	0 14	18 6	1 23	17 36	0 47	23 15	0 30	7 46	9 29	14 12	14 0	13 37			n.a.
S 24	20 35	27 51	4 8	20 59	2 32	16 14	1 25	14 9	1 36	22 26	0 14	18 6	1 23	17 37	0 47	23 15	0 30	7 46	9 29	14 9	13 59	13 34			n.a.
S 25	20 22	27 28	4 38	21 12	2 20	15 49	1 24	14 19	1 36	22 28	0 14	18 6	1 23	17 38	0 47	23 15	0 30	7 46	9 29	14 5	13 58	13 31			n.a.
M26	20 8	25 44	4 55	21 23	2 7	15 23	1 23	14 28	1 36	22 29	0 14	18 6	1 22	17 39	0 47	23 15	0 30	7 47	9 30	14 1	13 57	13 28			n.a.
T 27	19 55	22 50	4 59	21 35	1 55	14 57	1 22	14 38	1 36	22 31	0 14	18 7	1 22	17 39	0 47	23 15	0 30	7 47	9 30	13 56	13 56	13 25			n.a.
W28	19 41	18 59	4 49	21 46	1 42	14 31	1 21	14 47	1 36	22 32	0 13	18 7	1 22	17 40	0 47	23 15	0 30	7 47	9 30	13 51	13 55	13 22			n.a.
T 29	19 27	14 25	4 26	21 57	1 30	14 4	1 20	14 57	1 37	22 34	0 13	18 7	1 22	17 41	0 47	23 15	0 30	7 47	9 30	13 47	13 53	13 19			n.a.
F 30	19 12	9 21	3 52	22 7	1 18	13 37	1 18	15 6	1 37	22 35	0 13	18 7	1 21	17 42	0 47	23 15	0 30	7 47	9 31	13 43	13 52	13 16			n.a.
S 31	18s57	3n57	3n 8	22s17	1n 6	13s10	1s17	15n16	1n37	22s37	0n13	18n 7	1s21	17n42	0n47	23s15	0n30	7s47	9n31	13n41	13n51	13n13			n.a.

Julian Day Number = 1549025.5, Delta T = 04h32m12s
Ecliptic obliquity = 23°45'15, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'29, Lahiri = -10°28'28 Julian Calendar 1 Jan. 472 BCE == Greg. Calendar 27 Dec. 473 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

FEBRUARY 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 21 41	7♒16'07	9♎11	10♑41	0♓16	6♉36	14♐36	25♉41	13°R33	1♑ 0	16♏11	5°R53	6♉25	6♍59	n.a.	S 1
M 2	8 25 37	8°16'06	21° 8	11°24	1°30	7° 4	14°47	25°41	13♌30	1° 2	16°12	5♉51	6°22	7° 6	n.a.	M 2
T 3	8 29 34	9°16'03	3♏17	12°10	2°44	7°33	14°58	25°42	13°28	1° 4	16°12	5°51	6°19	7°12	n.a.	T 3
W 4	8 33 31	10°15'58	15°42	13° 0	3°58	8° 1	15° 8	25°42	13°25	1° 6	16°13	5°50	6°16	7°19	n.a.	W 4
T 5	8 37 27	11°15'51	28°29	13°53	5°12	8°30	15°19	25°42	13°23	1° 7	16°14	5°50	6°13	7°26	n.a.	T 5
F 6	8 41 24	12°15'43	11♐42	14°50	6°26	8°59	15°29	25°43	13°20	1° 9	16°14	5°47	6°10	7°33	n.a.	F 6
S 7	8 45 20	13°15'33	25°24	15°49	7°40	9°28	15°40	25°44	13°17	1°11	16°15	5°42	6° 6	7°39	n.a.	S 7
S 8	8 49 17	14°15'21	9♑36	16°50	8°53	9°57	15°50	25°44	13°15	1°13	16°15	5°34	6° 3	7°46	n.a.	S 8
M 9	8 53 13	15°15'07	24°16	17°55	10° 7	10°26	16° 0	25°45	13°12	1°15	16°16	5°24	6° 0	7°53	n.a.	M 9
T 10	8 57 10	16°14'51	9♒17	19° 1	11°21	10°56	16°10	25°46	13°10	1°16	16°16	5°13	5°57	7°59	n.a.	T 10
W11	9 1 6	17°14'33	24°30	20°10	12°35	11°25	16°20	25°47	13° 7	1°18	16°16	5° 2	5°54	8° 6	n.a.	W11
T 12	9 5 3	18°14'13	9♓44	21°21	13°48	11°55	16°30	25°49	13° 4	1°20	16°17	4°52	5°51	8°13	n.a.	T 12
F 13	9 9 0	19°13'50	24°47	22°34	15° 2	12°25	16°40	25°50	13° 2	1°21	16°17	4°45	5°47	8°19	n.a.	F 13
S 14	9 12 56	20°13'25	9♈33	23°48	16°15	12°55	16°50	25°52	12°59	1°23	16°17	4°40	5°44	8°26	n.a.	S 14
S 15	9 16 53	21°12'58	23°55	25° 5	17°29	13°25	16°59	25°53	12°57	1°25	16°18	4°38	5°41	8°33	n.a.	S 15
M16	9 20 49	22°12'28	7♉52	26°24	18°42	13°56	17° 9	25°55	12°54	1°26	16°18	4°D38	5°38	8°40	n.a.	M16
T 17	9 24 46	23°11'56	21°24	27°44	19°56	14°26	17°18	25°57	12°51	1°28	16°18	4°R38	5°35	8°46	n.a.	T 17
W18	9 28 42	24°11'21	4♊33	29° 5	21° 9	14°57	17°27	25°59	12°49	1°30	16°18	4°37	5°31	8°53	n.a.	W18
T 19	9 32 39	25°10'44	17°23	0♒29	22°22	15°28	17°36	26° 1	12°46	1°31	16°18	4°35	5°28	9° 0	n.a.	T 19
F 20	9 36 35	26°10'05	29°58	1°54	23°36	15°58	17°45	26° 3	12°44	1°33	16°19	4°31	5°25	9° 6	n.a.	F 20
S 21	9 40 32	27° 9'23	12♋20	3°20	24°49	16°29	17°54	26° 5	12°41	1°34	16°19	4°23	5°22	9°13	n.a.	S 21
S 22	9 44 29	28° 8'39	24°32	4°48	26° 2	17° 0	18° 3	26° 7	12°39	1°36	16°R19	4°13	5°19	9°20	n.a.	S 22
M23	9 48 25	29° 7'52	6♌37	6°18	27°15	17°32	18°11	26°10	12°36	1°37	16°19	4° 2	5°16	9°26	n.a.	M23
T 24	9 52 22	0♓ 7'03	18°36	7°49	28°28	18° 3	18°20	26°12	12°34	1°38	16°19	3°50	5°12	9°33	n.a.	T 24
W25	9 56 18	1° 6'12	0♍31	9°22	29°41	18°34	18°28	26°15	12°31	1°40	16°19	3°38	5° 9	9°40	n.a.	W25
T 26	10 0 15	2° 5'19	12°23	10°55	0♈54	19° 6	18°36	26°18	12°29	1°41	16°18	3°27	5° 6	9°47	n.a.	T 26
F 27	10 4 11	3° 4'24	24°13	12°31	2° 7	19°37	18°44	26°20	12°27	1°42	16°18	3°18	5° 3	9°53	n.a.	F 27
S 28	10 8 8	4♓ 3'26	6♎ 4	14♒ 8	3♈20	20♉ 9	18♐52	26♉23	12♌24	1♑44	16♏18	3♉12	5♉ 0	10♍ 0	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	18s42	1s36	2n16	22s26	0n54	12s42	1s16	15n25	1n37	22s38	0n13	18n 7	1s21	17n43	0n47	23s15	0n30	7s47	9n31	13n39	13n50	13n10			n.a.
M 2	18 26	7 10	1 17	22 34	0 42	12 14	1 14	15 35	1 37	22 39	0 13	18 8	1 21	17 44	0 47	23 15	0 30	7 47	9 31	13 39	13 49	13 7			n.a.
T 3	18 10	12 34	0 14	22 41	0 31	11 46	1 13	15 44	1 37	22 41	0 13	18 8	1 20	17 45	0 47	23 15	0 30	7 47	9 31	13 39	13 48	13 4			n.a.
W 4	17 54	17 35	0s52	22 47	0 19	11 17	1 11	15 54	1 37	22 42	0 13	18 8	1 20	17 46	0 47	23 15	0 30	7 47	9 32	13 39	13 47	13 1			n.a.
T 5	17 38	21 59	1 57	22 52	0 9	10 48	1 9	16 3	1 37	22 43	0 13	18 9	1 20	17 46	0 47	23 15	0 30	7 47	9 32	13 38	13 46	12 58			n.a.
F 6	17 21	25 25	2 57	22 57	0s 2	10 19	1 7	16 13	1 37	22 45	0 13	18 9	1 20	17 47	0 47	23 15	0 30	7 47	9 32	13 37	13 45	12 55			n.a.
S 7	17 4	27 30	3 50	23 0	0 12	9 49	1 6	16 22	1 37	22 46	0 13	18 9	1 19	17 48	0 47	23 15	0 30	7 46	9 32	13 36	13 44	12 52			n.a.
S 8	16 46	27 54	4 31	23 2	0 22	9 19	1 4	16 32	1 37	22 47	0 13	18 10	1 19	17 49	0 47	23 15	0 30	7 46	9 32	13 33	13 43	12 49			n.a.
M 9	16 28	26 23	4 55	23 3	0 31	8 49	1 2	16 41	1 38	22 48	0 12	18 10	1 19	17 49	0 47	23 15	0 30	7 46	9 33	13 30	13 42	12 46			n.a.
T 10	16 10	22 58	5 0	23 3	0 40	8 19	1 0	16 51	1 38	22 49	0 12	18 11	1 19	17 50	0 47	23 15	0 30	7 46	9 33	13 26	13 41	12 43			n.a.
W11	15 52	17 58	4 44	23 1	0 49	7 49	0 58	17 0	1 38	22 50	0 12	18 11	1 19	17 51	0 47	23 15	0 30	7 46	9 33	13 22	13 40	12 40			n.a.
T 12	15 34	11 50	4 7	22 58	0 57	7 18	0 56	17 9	1 38	22 51	0 12	18 12	1 18	17 52	0 47	23 15	0 30	7 46	9 33	13 19	13 39	12 37			n.a.
F 13	15 15	5 3	3 14	22 54	1 5	6 48	0 54	17 19	1 38	22 53	0 12	18 12	1 18	17 52	0 47	23 15	0 30	7 46	9 34	13 16	13 38	12 34			n.a.
S 14	14 56	1n52	2 9	22 49	1 12	6 17	0 51	17 28	1 38	22 54	0 12	18 13	1 18	17 53	0 47	23 15	0 30	7 46	9 34	13 15	13 36	12 31			n.a.
S 15	14 37	8 32	0 56	22 42	1 19	5 46	0 49	17 38	1 38	22 55	0 12	18 14	1 18	17 54	0 47	23 15	0 30	7 46	9 34	13 14	13 35	12 28			n.a.
M16	14 17	14 35	0n17	22 34	1 26	5 14	0 47	17 47	1 38	22 56	0 12	18 14	1 17	17 55	0 47	23 15	0 30	7 45	9 34	13 14	13 34	12 25			n.a.
T 17	13 58	19 45	1 28	22 24	1 33	4 43	0 44	17 56	1 38	22 57	0 12	18 15	1 17	17 55	0 47	23 15	0 30	7 45	9 35	13 14	13 33	12 22			n.a.
W18	13 38	23 49	2 32	22 13	1 38	4 12	0 42	18 5	1 38	22 58	0 12	18 16	1 17	17 56	0 47	23 15	0 30	7 45	9 35	13 14	13 32	12 19			n.a.
T 19	13 18	26 34	3 26	22 0	1 44	3 40	0 39	18 14	1 38	22 59	0 12	18 16	1 17	17 57	0 47	23 15	0 30	7 45	9 35	13 13	13 31	12 16			n.a.
F 20	12 58	27 55	4 10	21 46	1 49	3 8	0 37	18 24	1 38	22 59	0 12	18 17	1 16	17 58	0 47	23 15	0 30	7 45	9 35	13 12	13 30	12 13			n.a.
S 21	12 37	27 50	4 40	21 30	1 54	2 37	0 34	18 33	1 38	23 0	0 11	18 18	1 16	17 58	0 47	23 15	0 30	7 45	9 35	13 9	13 29	12 10			n.a.
S 22	12 16	26 23	4 58	21 13	1 58	2 5	0 32	18 42	1 38	23 1	0 11	18 18	1 16	17 59	0 47	23 15	0 30	7 44	9 36	13 6	13 28	12 7			n.a.
M23	11 56	23 43	5 2	20 54	2 2	1 33	0 29	18 51	1 38	23 2	0 11	18 19	1 16	18 0	0 47	23 15	0 30	7 44	9 36	13 2	13 27	12 4			n.a.
T 24	11 35	20 4	4 52	20 34	2 5	1 1	0 26	19 0	1 38	23 3	0 11	18 20	1 15	18 0	0 47	23 15	0 30	7 44	9 36	12 57	13 26	12 1			n.a.
W25	11 13	15 38	4 30	20 12	2 8	0 29	0 24	19 8	1 38	23 4	0 11	18 21	1 15	18 1	0 47	23 15	0 30	7 44	9 36	12 53	13 25	11 58			n.a.
T 26	10 52	10 38	3 56	19 48	2 10	0n 3	0 21	19 17	1 38	23 5	0 11	18 22	1 15	18 2	0 47	23 15	0 30	7 43	9 36	12 50	13 24	11 55			n.a.
F 27	10 31	5 15	3 12	19 23	2 12	0 34	0 18	19 26	1 38	23 5	0 11	18 23	1 15	18 2	0 47	23 15	0 30	7 43	9 37	12 47	13 22	11 52			n.a.
S 28	10s 9	0s19	2n19	18s56	2s14	1n 6	0s15	19n35	1n37	23s 6	0n11	18n24	1s15	18n 3	0n47	23s15	0n30	7s43	9n37	12n44	13n21	11n49			n.a.

Julian Day Number = 1549056.5, Delta T = 04h32m10s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'24, Lahiri = -10°28'24 Julian Calendar 1 Feb. 472 BCE == Greg. Calendar 27 Jan. 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

MARCH 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 12 4	5♓ 2'27	17♎58	15♒46	4♈32	20♉41	19♐ 0	26♉26	12°R22	1♑45	16°R18	3°R 8	4♉56	10♍ 7	n.a.	S 1
M 2	10 16 1	6° 1'25	29°58	17°26	5°45	21°13	19° 8	26°30	12♌19	1°46	16♏18	3°D 7	4°53	10°13	n.a.	M 2
T 3	10 19 57	7° 0'22	12♏ 8	19° 7	6°58	21°45	19°15	26°33	12°17	1°47	16°17	3♉ 7	4°50	10°20	n.a.	T 3
W 4	10 23 54	7°59'17	24°33	20°49	8°10	22°17	19°23	26°36	12°15	1°49	16°17	3° 8	4°47	10°27	n.a.	W 4
T 5	10 27 51	8°58'10	7♐18	22°33	9°23	22°49	19°30	26°40	12°13	1°50	16°17	3°R 9	4°44	10°33	n.a.	T 5
F 6	10 31 47	9°57'01	20°25	24°19	10°35	23°21	19°37	26°43	12°10	1°51	16°16	3° 8	4°41	10°40	n.a.	F 6
S 7	10 35 44	10°55'51	4♑ 0	26° 6	11°47	23°53	19°44	26°47	12° 8	1°52	16°16	3° 6	4°37	10°47	n.a.	S 7
S 8	10 39 40	11°54'38	18° 4	27°54	13° 0	24°26	19°51	26°51	12° 6	1°53	16°16	3° 1	4°34	10°54	n.a.	S 8
M 9	10 43 37	12°53'24	2♒36	29°44	14°12	24°58	19°57	26°54	12° 4	1°54	16°15	2°55	4°31	11° 0	n.a.	M 9
T 10	10 47 33	13°52'08	17°31	1♓36	15°24	25°31	20° 4	26°58	12° 2	1°55	16°15	2°48	4°28	11° 7	n.a.	T 10
W11	10 51 30	14°50'50	2♓42	3°29	16°36	26° 4	20°10	27° 2	12° 0	1°56	16°14	2°41	4°25	11°14	n.a.	W11
T 12	10 55 26	15°49'30	17°59	5°23	17°49	26°36	20°16	27° 6	11°58	1°57	16°14	2°34	4°22	11°20	n.a.	T 12
F 13	10 59 23	16°48'08	3♈12	7°19	19° 1	27° 9	20°22	27°11	11°56	1°58	16°13	2°29	4°18	11°27	n.a.	F 13
S 14	11 3 20	17°46'43	18° 9	9°17	20°13	27°42	20°28	27°15	11°54	1°59	16°12	2°26	4°15	11°34	n.a.	S 14
S 15	11 7 16	18°45'17	2♉44	11°16	21°24	28°15	20°34	27°19	11°52	2° 0	16°12	2°D26	4°12	11°40	n.a.	S 15
M16	11 11 13	19°43'48	16°53	13°16	22°36	28°48	20°39	27°24	11°50	2° 1	16°11	2°26	4° 9	11°47	n.a.	M16
T 17	11 15 9	20°42'17	0♊35	15°18	23°48	29°21	20°45	27°28	11°48	2° 1	16°10	2°28	4° 6	11°54	n.a.	T 17
W18	11 19 6	21°40'44	13°50	17°21	25° 0	29°55	20°50	27°33	11°46	2° 2	16°10	2°29	4° 2	12° 0	n.a.	W18
T 19	11 23 2	22°39'08	26°43	19°25	26°11	0♊28	20°55	27°38	11°44	2° 3	16° 9	2°R29	3°59	12° 7	n.a.	T 19
F 20	11 26 59	23°37'30	9♋16	21°30	27°23	1° 1	21° 0	27°42	11°43	2° 4	16° 8	2°28	3°56	12°14	n.a.	F 20
S 21	11 30 55	24°35'51	21°34	23°37	28°34	1°35	21° 5	27°47	11°41	2° 4	16° 7	2°25	3°53	12°21	n.a.	S 21
S 22	11 34 52	25°34'08	3♌40	25°44	29°46	2° 8	21° 9	27°52	11°39	2° 5	16° 7	2°20	3°50	12°27	n.a.	S 22
M23	11 38 49	26°32'24	15°38	27°52	0♉57	2°42	21°13	27°57	11°38	2° 5	16° 6	2°14	3°47	12°34	n.a.	M23
T 24	11 42 45	27°30'38	27°32	0♈ 0	2° 8	3°15	21°18	28° 2	11°36	2° 6	16° 5	2° 8	3°43	12°41	n.a.	T 24
W25	11 46 42	28°28'49	9♍23	2° 9	3°19	3°49	21°22	28° 7	11°35	2° 7	16° 4	2° 2	3°40	12°47	n.a.	W25
T 26	11 50 38	29°26'59	21°13	4°17	4°30	4°23	21°26	28°13	11°33	2° 7	16° 3	1°56	3°37	12°54	n.a.	T 26
F 27	11 54 35	0♈25'06	3♎ 6	6°25	5°41	4°57	21°29	28°18	11°32	2° 8	16° 2	1°52	3°34	13° 1	n.a.	F 27
S 28	11 58 31	1°23'12	15° 1	8°33	6°52	5°30	21°33	28°23	11°30	2° 8	16° 1	1°49	3°31	13° 7	n.a.	S 28
S 29	12 2 28	2°21'16	27° 3	10°39	8° 3	6° 4	21°36	28°29	11°29	2° 8	16° 0	1°D48	3°28	13°14	n.a.	S 29
M30	12 6 24	3°19'19	9♏12	12°45	9°13	6°38	21°39	28°34	11°27	2° 9	15°59	1°48	3°24	13°21	n.a.	M30
T 31	12 10 21	4♈17'20	21♏31	14♈49	10♉24	7♊12	21♐42	28♉40	11♌26	2♑ 9	15♏58	1♉49	3♉21	13♍27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	9s47	5s54	1n20	18s28	2s15	1n38	0s12	19n43	1n37	23s 7	0n11	18n25	1s14	18n 4	0n47	23s15	0n30	7s43	9n37	12n43	13n20	11n46			n.a.
M 2	9 25	11 21	0 17	17 58	2 16	2 10	0 10	19 52	1 37	23 8	0 11	18 26	1 14	18 4	0 47	23 15	0 30	7 42	9 37	12 43	13 19	11 43			n.a.
T 3	9 3	16 27	0s48	17 26	2 16	2 42	0 7	20 0	1 37	23 8	0 11	18 26	1 14	18 5	0 47	23 15	0 30	7 42	9 38	12 43	13 18	11 40			n.a.
W 4	8 41	20 58	1 52	16 53	2 15	3 13	0 4	20 9	1 37	23 9	0 10	18 27	1 14	18 6	0 47	23 15	0 30	7 42	9 38	12 43	13 17	11 37			n.a.
T 5	8 19	24 39	2 53	16 17	2 14	3 45	0 1	20 17	1 37	23 10	0 10	18 28	1 13	18 6	0 47	23 15	0 30	7 42	9 38	12 43	13 16	11 34			n.a.
F 6	7 56	27 10	3 46	15 41	2 13	4 17	0n 2	20 25	1 37	23 10	0 10	18 30	1 13	18 7	0 47	23 15	0 30	7 41	9 38	12 43	13 15	11 30			n.a.
S 7	7 34	28 10	4 29	15 2	2 11	4 48	0 5	20 33	1 37	23 11	0 10	18 31	1 13	18 8	0 47	23 15	0 30	7 41	9 38	12 42	13 14	11 27			n.a.
S 8	7 11	27 25	4 57	14 22	2 9	5 20	0 8	20 41	1 37	23 12	0 10	18 32	1 13	18 8	0 47	23 15	0 30	7 41	9 39	12 41	13 13	11 24			n.a.
M 9	6 48	24 49	5 7	13 40	2 6	5 51	0 11	20 50	1 37	23 12	0 10	18 33	1 13	18 9	0 47	23 15	0 30	7 40	9 39	12 39	13 12	11 21			n.a.
T 10	6 26	20 29	4 57	12 57	2 2	6 22	0 14	20 57	1 37	23 13	0 10	18 34	1 12	18 9	0 47	23 15	0 30	7 40	9 39	12 36	13 11	11 18			n.a.
W11	6 3	14 46	4 26	12 12	1 58	6 53	0 18	21 5	1 37	23 13	0 10	18 35	1 12	18 10	0 47	23 15	0 30	7 40	9 39	12 34	13 10	11 15			n.a.
T 12	5 40	8 7	3 36	11 25	1 54	7 24	0 21	21 13	1 37	23 14	0 10	18 36	1 12	18 10	0 47	23 15	0 30	7 39	9 39	12 31	13 8	11 12			n.a.
F 13	5 17	1 1	2 31	10 37	1 49	7 54	0 24	21 21	1 36	23 14	0 10	18 37	1 12	18 11	0 47	23 15	0 30	7 39	9 40	12 30	13 7	11 9			n.a.
S 14	4 54	6n 2	1 16	9 47	1 43	8 25	0 27	21 28	1 36	23 15	0 9	18 39	1 12	18 12	0 47	23 15	0 30	7 39	9 40	12 29	13 6	11 6			n.a.
S 15	4 30	12 37	0n 2	8 55	1 37	8 55	0 30	21 36	1 36	23 15	0 9	18 40	1 11	18 12	0 46	23 14	0 30	7 38	9 40	12 28	13 5	11 3			n.a.
M16	4 7	18 20	1 18	8 2	1 30	9 25	0 33	21 43	1 36	23 16	0 9	18 41	1 11	18 13	0 46	23 14	0 30	7 38	9 40	12 29	13 4	11 0			n.a.
T 17	3 44	22 56	2 27	7 8	1 23	9 55	0 36	21 50	1 36	23 16	0 9	18 42	1 11	18 13	0 46	23 14	0 30	7 38	9 40	12 29	13 3	10 57			n.a.
W18	3 21	26 10	3 26	6 13	1 15	10 25	0 39	21 58	1 36	23 17	0 9	18 43	1 11	18 14	0 46	23 14	0 30	7 37	9 40	12 30	13 2	10 53			n.a.
T 19	2 57	27 55	4 12	5 16	1 7	10 54	0 43	22 5	1 36	23 17	0 9	18 45	1 11	18 14	0 46	23 14	0 30	7 37	9 41	12 30	13 1	10 50			n.a.
F 20	2 34	28 10	4 46	4 18	0 58	11 23	0 46	22 12	1 36	23 18	0 9	18 46	1 10	18 15	0 46	23 14	0 30	7 37	9 41	12 29	13 0	10 47			n.a.
S 21	2 10	27 1	5 5	3 19	0 49	11 52	0 49	22 18	1 36	23 18	0 9	18 47	1 10	18 15	0 46	23 14	0 30	7 36	9 41	12 28	12 59	10 44			n.a.
S 22	1 47	24 36	5 10	2 19	0 39	12 21	0 52	22 25	1 35	23 19	0 9	18 49	1 10	18 15	0 46	23 14	0 30	7 36	9 41	12 26	12 58	10 41			n.a.
M23	1 24	21 9	5 2	1 19	0 30	12 49	0 55	22 32	1 35	23 19	0 9	18 50	1 10	18 16	0 46	23 14	0 30	7 35	9 41	12 24	12 56	10 38			n.a.
T 24	1 0	16 52	4 41	0 18	0 19	13 17	0 58	22 38	1 35	23 19	0 8	18 51	1 10	18 16	0 46	23 14	0 30	7 35	9 41	12 22	12 55	10 35			n.a.
W25	0 37	11 58	4 7	0n44	0 9	13 45	1 1	22 45	1 35	23 20	0 8	18 53	1 9	18 17	0 46	23 14	0 30	7 35	9 42	12 20	12 54	10 32			n.a.
T 26	0 13	6 38	3 23	1 45	0n 2	14 12	1 4	22 51	1 35	23 20	0 8	18 54	1 9	18 17	0 46	23 14	0 30	7 34	9 42	12 18	12 53	10 28			n.a.
F 27	0n10	1 3	2 31	2 46	0 13	14 39	1 8	22 57	1 35	23 21	0 8	18 55	1 9	18 17	0 46	23 14	0 30	7 34	9 42	12 17	12 52	10 25			n.a.
S 28	0 34	4s36	1 31	3 47	0 24	15 6	1 11	23 3	1 35	23 21	0 8	18 57	1 9	18 18	0 46	23 14	0 30	7 33	9 42	12 16	12 51	10 22			n.a.
S 29	0 57	10 9	0 26	4 48	0 34	15 32	1 14	23 9	1 34	23 21	0 8	18 58	1 9	18 18	0 46	23 14	0 30	7 33	9 42	12 15	12 50	10 19			n.a.
M30	1 20	15 23	0s40	5 47	0 45	15 58	1 17	23 15	1 34	23 21	0 8	19 0	1 8	18 19	0 46	23 14	0 30	7 33	9 42	12 15	12 49	10 16			n.a.
T 31	1n44	20s 5	1s46	6n46	0n56	16n23	1n20	23n21	1n34	23s22	0n 8	19n 1	1s 8	18n19	0n46	23s14	0n30	7s32	9n42	12n16	12n48	10n13			n.a.

Julian Day Number = 1549084.5, Delta T = 04h32m09s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'21, Lahiri = -10°28'20 Julian Calendar 1 March 472 BCE == Greg. Calendar 24 Feb. 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

APRIL 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 14 17	5♈15'19	4♐ 4	16♈51	11♉34	7♊46	21♐45	28♉46	11°R25	2♑ 9	15°R57	1♉51	3♉18	13♍34	n.a.	W 1
T 2	12 18 14	6°13'17	16°53	18°51	12°45	8°20	21°48	28°51	11♌24	2°10	15♏56	1°52	3°15	13°41	n.a.	T 2
F 3	12 22 11	7°11'14	0♑ 1	20°48	13°55	8°55	21°50	28°57	11°23	2°10	15°55	1°53	3°12	13°48	n.a.	F 3
S 4	12 26 7	8° 9'09	13°32	22°43	15° 5	9°29	21°52	29° 3	11°22	2°10	15°53	1°R53	3° 8	13°54	n.a.	S 4
S 5	12 30 4	9° 7'03	27°26	24°36	16°16	10° 3	21°54	29° 9	11°21	2°10	15°52	1°52	3° 5	14° 1	n.a.	S 5
M 6	12 34 0	10° 4'55	11♒44	26°25	17°26	10°38	21°56	29°15	11°20	2°10	15°51	1°50	3° 2	14° 8	n.a.	M 6
T 7	12 37 57	11° 2'46	26°23	28°11	18°36	11°12	21°58	29°21	11°19	2°11	15°50	1°48	2°59	14°14	n.a.	T 7
W 8	12 41 53	12° 0'36	11♓19	29°54	19°45	11°46	21°59	29°27	11°18	2°11	15°49	1°45	2°56	14°21	n.a.	W 8
T 9	12 45 50	12°58'24	26°22	1♉34	20°55	12°21	22° 1	29°34	11°17	2°11	15°47	1°43	2°53	14°28	n.a.	T 9
F 10	12 49 46	13°56'11	11♈26	3°10	22° 5	12°55	22° 2	29°40	11°16	2°R11	15°46	1°41	2°49	14°34	n.a.	F 10
S 11	12 53 43	14°53'56	26°20	4°43	23°14	13°30	22° 3	29°46	11°15	2°11	15°45	1°D41	2°46	14°41	n.a.	S 11
S 12	12 57 40	15°51'40	10♉57	6°13	24°24	14° 5	22° 3	29°52	11°15	2°11	15°43	1°41	2°43	14°48	n.a.	S 12
M13	13 1 36	16°49'22	25°12	7°38	25°33	14°39	22° 4	29°59	11°14	2°10	15°42	1°42	2°40	14°54	n.a.	M13
T 14	13 5 33	17°47'03	9♊ 1	9° 0	26°43	15°14	22° 4	0♊ 5	11°14	2°10	15°41	1°43	2°37	15° 1	n.a.	T 14
W15	13 9 29	18°44'42	22°24	10°18	27°52	15°49	22°R 4	0°12	11°13	2°10	15°39	1°44	2°33	15° 8	n.a.	W15
T 16	13 13 26	19°42'19	5♋22	11°33	29° 1	16°24	22° 4	0°19	11°13	2°10	15°38	1°45	2°30	15°15	n.a.	T 16
F 17	13 17 22	20°39'55	17°59	12°43	0♊10	16°59	22° 4	0°25	11°12	2°10	15°37	1°R45	2°27	15°21	n.a.	F 17
S 18	13 21 19	21°37'29	0♌18	13°50	1°18	17°34	22° 4	0°32	11°12	2°10	15°35	1°45	2°24	15°28	n.a.	S 18
S 19	13 25 15	22°35'02	12°24	14°53	2°27	18° 9	22° 3	0°39	11°12	2° 9	15°34	1°44	2°21	15°35	n.a.	S 19
M20	13 29 12	23°32'33	24°20	15°52	3°36	18°44	22° 2	0°45	11°11	2° 9	15°32	1°43	2°18	15°41	n.a.	M20
T 21	13 33 9	24°30'02	6♍11	16°46	4°44	19°19	22° 1	0°52	11°11	2° 9	15°31	1°42	2°14	15°48	n.a.	T 21
W22	13 37 5	25°27'30	18° 2	17°37	5°52	19°54	22° 0	0°59	11°11	2° 8	15°29	1°41	2°11	15°55	n.a.	W22
T 23	13 41 2	26°24'56	29°54	18°23	7° 0	20°29	21°59	1° 6	11°11	2° 8	15°28	1°41	2° 8	16° 1	n.a.	T 23
F 24	13 44 58	27°22'22	11♎50	19° 5	8° 8	21° 4	21°57	1°13	11°D11	2° 7	15°26	1°40	2° 5	16° 8	n.a.	F 24
S 25	13 48 55	28°19'46	23°54	19°42	9°16	21°40	21°56	1°20	11°11	2° 7	15°25	1°40	2° 2	16°15	n.a.	S 25
S 26	13 52 51	29°17'09	6♏ 7	20°16	10°24	22°15	21°54	1°27	11°11	2° 6	15°23	1°D40	1°59	16°21	n.a.	S 26
M27	13 56 48	0♉14'31	18°30	20°44	11°32	22°50	21°52	1°34	11°11	2° 6	15°22	1°40	1°55	16°28	n.a.	M27
T 28	14 0 44	1°11'52	1♐ 6	21° 8	12°39	23°25	21°49	1°41	11°11	2° 5	15°20	1°R40	1°52	16°35	n.a.	T 28
W29	14 4 41	2° 9'12	13°54	21°28	13°46	24° 1	21°47	1°49	11°11	2° 5	15°19	1°40	1°49	16°41	n.a.	W29
T 30	14 8 38	3♉ 6'32	26♐57	21♉42	14♊53	24♊36	21♐44	1♊56	11♌12	2♑ 4	15♏17	1♉40	1♉46	16♍48	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n 7	23s59	2s48	7n43	1n 6	16n49	1n23	23n26	1n34	23s22	0n 8	19n 2	1s 8	18n19	0n46	23s14	0n30	7s32	9n42	12n16	12n47	10n10		n.a.
T 2	2 30	26 48	3 43	8 39	1 16	17 13	1 25	23 32	1 34	23 22	0 7	19 4	1 8	18 19	0 46	23 14	0 30	7 31	9 43	12 17	12 46	10 6		n.a.
F 3	2 53	28 13	4 27	9 33	1 26	17 38	1 28	23 37	1 34	23 23	0 7	19 5	1 8	18 20	0 46	23 14	0 30	7 31	9 43	12 17	12 44	10 3		n.a.
S 4	3 16	28 1	4 59	10 25	1 35	18 2	1 31	23 42	1 34	23 23	0 7	19 7	1 8	18 20	0 46	23 14	0 30	7 30	9 43	12 17	12 43	10 0		n.a.
S 5	3 40	26 4	5 14	11 16	1 44	18 25	1 34	23 47	1 33	23 23	0 7	19 8	1 7	18 20	0 46	23 14	0 30	7 30	9 43	12 17	12 42	9 57		n.a.
M 6	4 3	22 27	5 10	12 4	1 52	18 48	1 37	23 52	1 33	23 23	0 7	19 10	1 7	18 20	0 46	23 14	0 30	7 30	9 43	12 16	12 41	9 54		n.a.
T 7	4 26	17 22	4 46	12 50	2 0	19 11	1 39	23 57	1 33	23 24	0 7	19 11	1 7	18 21	0 46	23 14	0 30	7 29	9 43	12 15	12 40	9 51		n.a.
W 8	4 48	11 9	4 3	13 34	2 7	19 33	1 42	24 2	1 33	23 24	0 7	19 13	1 7	18 21	0 46	23 14	0 30	7 29	9 43	12 14	12 39	9 48		n.a.
T 9	5 11	4 15	3 3	14 15	2 13	19 54	1 45	24 6	1 33	23 24	0 7	19 14	1 7	18 21	0 46	23 14	0 30	7 28	9 43	12 14	12 38	9 44		n.a.
F 10	5 34	2n54	1 50	14 54	2 19	20 15	1 47	24 11	1 33	23 24	0 7	19 16	1 7	18 21	0 46	23 14	0 30	7 28	9 43	12 13	12 37	9 41		n.a.
S 11	5 57	9 50	0 29	15 31	2 23	20 36	1 50	24 15	1 32	23 24	0 6	19 17	1 6	18 22	0 46	23 14	0 30	7 27	9 43	12 13	12 36	9 38		n.a.
S 12	6 19	16 7	0n51	16 5	2 27	20 56	1 52	24 19	1 32	23 24	0 6	19 19	1 6	18 22	0 46	23 14	0 30	7 27	9 44	12 13	12 35	9 35		n.a.
M13	6 42	21 22	2 6	16 36	2 30	21 16	1 55	24 23	1 32	23 25	0 6	19 20	1 6	18 22	0 46	23 14	0 30	7 27	9 44	12 13	12 33	9 32		n.a.
T 14	7 4	25 15	3 12	17 6	2 33	21 34	1 57	24 27	1 32	23 25	0 6	19 22	1 6	18 22	0 46	23 14	0 30	7 26	9 44	12 13	12 32	9 28		n.a.
W15	7 26	27 37	4 5	17 32	2 34	21 53	2 0	24 30	1 32	23 25	0 6	19 23	1 6	18 22	0 46	23 14	0 30	7 26	9 44	12 14	12 31	9 25		n.a.
T 16	7 48	28 22	4 44	17 57	2 35	22 11	2 2	24 34	1 31	23 25	0 6	19 25	1 6	18 22	0 46	23 14	0 30	7 25	9 44	12 14	12 30	9 22		n.a.
F 17	8 10	27 36	5 8	18 19	2 35	22 28	2 4	24 37	1 31	23 25	0 6	19 26	1 5	18 22	0 45	23 14	0 30	7 25	9 44	12 14	12 29	9 19		n.a.
S 18	8 32	25 30	5 16	18 38	2 34	22 45	2 6	24 40	1 31	23 25	0 6	19 28	1 5	18 22	0 45	23 14	0 30	7 24	9 44	12 14	12 28	9 16		n.a.
S 19	8 54	22 16	5 11	18 56	2 32	23 1	2 8	24 44	1 31	23 25	0 5	19 30	1 5	18 22	0 45	23 14	0 30	7 24	9 44	12 14	12 27	9 13		n.a.
M20	9 16	18 10	4 52	19 10	2 29	23 17	2 10	24 46	1 31	23 25	0 5	19 31	1 5	18 22	0 45	23 14	0 30	7 23	9 44	12 14	12 26	9 9		n.a.
T 21	9 37	13 24	4 21	19 23	2 25	23 32	2 12	24 49	1 30	23 25	0 5	19 33	1 5	18 22	0 45	23 14	0 30	7 23	9 44	12 13	12 25	9 6		n.a.
W22	9 58	8 9	3 39	19 33	2 20	23 46	2 14	24 52	1 30	23 26	0 5	19 34	1 5	18 22	0 45	23 14	0 30	7 23	9 44	12 13	12 23	9 3		n.a.
T 23	10 19	2 36	2 47	19 41	2 14	24 0	2 16	24 54	1 30	23 26	0 5	19 36	1 4	18 22	0 45	23 14	0 30	7 22	9 44	12 13	12 22	9 0		n.a.
F 24	10 40	3s 5	1 48	19 46	2 8	24 13	2 17	24 57	1 30	23 26	0 5	19 37	1 4	18 22	0 45	23 14	0 30	7 22	9 44	12 13	12 21	8 57		n.a.
S 25	11 1	8 44	0 43	19 49	2 0	24 25	2 19	24 59	1 30	23 26	0 5	19 39	1 4	18 22	0 45	23 14	0 30	7 21	9 44	12 13	12 20	8 53		n.a.
S 26	11 22	14 7	0s25	19 50	1 52	24 37	2 20	25 1	1 29	23 26	0 5	19 41	1 4	18 22	0 45	23 14	0 30	7 21	9 44	12 13	12 19	8 50		n.a.
M27	11 42	19 2	1 32	19 49	1 42	24 48	2 22	25 3	1 29	23 26	0 4	19 42	1 4	18 22	0 45	23 14	0 30	7 20	9 44	12 13	12 18	8 47		n.a.
T 28	12 3	23 12	2 36	19 45	1 32	24 59	2 23	25 4	1 29	23 26	0 4	19 44	1 4	18 22	0 45	23 14	0 30	7 20	9 44	12 13	12 17	8 44		n.a.
W29	12 23	26 18	3 33	19 40	1 21	25 8	2 24	25 6	1 29	23 26	0 4	19 45	1 4	18 22	0 45	23 14	0 30	7 20	9 44	12 13	12 16	8 40		n.a.
T 30	12n43	28s 4	4s21	19n32	1n 9	25n18	2n26	25n 7	1n29	23s26	0n 4	19n47	1s 4	18n22	0n45	23s14	0n30	7s19	9n44	12n13	12n15	8n37		n.a.

Julian Day Number = 1549115.5, Delta T = 04h32m08s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'16, Lahiri = -10°28'16 Julian Calendar 1 Apr. 472 BCE == Greg. Calendar 27 March 472 BCE

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

MAY 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 12 34	4♉ 3'51	10♋16	21♉53	16♊ 0	25♊12	21°R42	2♊ 3	11♌12	2°R 4	15°R16	1°R40	1♉43	16♍55	n.a.	F 1
S 2	14 16 31	5° 1'09	23°51	21°58	17° 7	25°47	21♐39	2°10	11°12	2♋ 3	15♏14	1♉40	1°39	17° 2	n.a.	S 2
S 3	14 20 27	5°58'26	7♒43	21°R59	18°14	26°23	21°35	2°18	11°13	2° 2	15°13	1°D40	1°36	17° 8	n.a.	S 3
M 4	14 24 24	6°55'43	21°50	21°56	19°20	26°58	21°32	2°25	11°13	2° 1	15°11	1°40	1°33	17°15	n.a.	M 4
T 5	14 28 20	7°53'00	6♓13	21°48	20°27	27°34	21°29	2°32	11°14	2° 1	15°10	1°40	1°30	17°22	n.a.	T 5
W 6	14 32 17	8°50'15	20°46	21°36	21°33	28°10	21°25	2°40	11°14	2° 0	15° 8	1°41	1°27	17°28	n.a.	W 6
T 7	14 36 13	9°47'31	5♈27	21°20	22°39	28°46	21°21	2°47	11°15	1°59	15° 6	1°41	1°24	17°35	n.a.	T 7
F 8	14 40 10	10°44'45	20° 9	21° 0	23°44	29°21	21°17	2°55	11°16	1°58	15° 5	1°42	1°20	17°42	n.a.	F 8
S 9	14 44 7	11°42'00	4♉45	20°37	24°50	29°57	21°13	3° 2	11°16	1°57	15° 3	1°R42	1°17	17°48	n.a.	S 9
S 10	14 48 3	12°39'13	19°11	20°11	25°56	0♋33	21° 8	3°10	11°17	1°56	15° 2	1°42	1°14	17°55	n.a.	S 10
M11	14 52 0	13°36'26	3♊19	19°42	27° 1	1° 9	21° 4	3°17	11°18	1°56	15° 0	1°41	1°11	18° 2	n.a.	M11
T 12	14 55 56	14°33'38	17° 6	19°11	28° 6	1°45	20°59	3°25	11°19	1°55	14°58	1°39	1° 8	18° 8	n.a.	T 12
W13	14 59 53	15°30'50	0♋30	18°39	29°11	2°21	20°54	3°32	11°20	1°54	14°57	1°37	1° 5	18°15	n.a.	W13
T 14	15 3 49	16°28'01	13°32	18° 5	0♋15	2°57	20°49	3°40	11°21	1°53	14°55	1°36	1° 1	18°22	n.a.	T 14
F 15	15 7 46	17°25'11	26°12	17°31	1°20	3°33	20°44	3°48	11°22	1°52	14°54	1°34	0°58	18°28	n.a.	F 15
S 16	15 11 42	18°22'20	8♌33	16°57	2°24	4° 9	20°39	3°55	11°23	1°51	14°52	1°33	0°55	18°35	n.a.	S 16
S 17	15 15 39	19°19'29	20°40	16°24	3°28	4°45	20°33	4° 3	11°24	1°50	14°50	1°D33	0°52	18°42	n.a.	S 17
M18	15 19 36	20°16'37	2♍36	15°52	4°32	5°21	20°28	4°11	11°25	1°48	14°49	1°33	0°49	18°48	n.a.	M18
T 19	15 23 32	21°13'44	14°28	15°22	5°35	5°57	20°22	4°19	11°27	1°47	14°47	1°34	0°45	18°55	n.a.	T 19
W20	15 27 29	22°10'51	26°19	14°54	6°38	6°34	20°16	4°26	11°28	1°46	14°46	1°36	0°42	19° 2	n.a.	W20
T 21	15 31 25	23° 7'57	8♎13	14°29	7°41	7°10	20°10	4°34	11°29	1°45	14°44	1°37	0°39	19° 8	n.a.	T 21
F 22	15 35 22	24° 5'02	20°15	14° 7	8°44	7°46	20° 4	4°42	11°31	1°44	14°42	1°39	0°36	19°15	n.a.	F 22
S 23	15 39 18	25° 2'07	2♏27	13°49	9°46	8°22	19°58	4°50	11°32	1°43	14°41	1°R39	0°33	19°22	n.a.	S 23
S 24	15 43 15	25°59'12	14°53	13°34	10°48	8°59	19°52	4°57	11°34	1°41	14°39	1°38	0°30	19°29	n.a.	S 24
M25	15 47 11	26°56'17	27°34	13°24	11°50	9°35	19°45	5° 5	11°35	1°40	14°38	1°37	0°26	19°35	n.a.	M25
T 26	15 51 8	27°53'22	10♐30	13°18	12°52	10°12	19°39	5°13	11°37	1°39	14°36	1°34	0°23	19°42	n.a.	T 26
W27	15 55 5	28°50'27	23°41	13°D17	13°53	10°48	19°32	5°21	11°39	1°38	14°35	1°30	0°20	19°49	n.a.	W27
T 28	15 59 1	29°47'32	7♑ 6	13°21	14°54	11°25	19°25	5°29	11°40	1°36	14°33	1°26	0°17	19°55	n.a.	T 28
F 29	16 2 58	0♊44'37	20°44	13°29	15°55	12° 1	19°18	5°37	11°42	1°35	14°32	1°22	0°14	20° 2	n.a.	F 29
S 30	16 6 54	1°41'42	4♒34	13°42	16°55	12°38	19°11	5°44	11°44	1°34	14°30	1°18	0°11	20° 9	n.a.	S 30
S 31	16 10 51	2♊38'47	18♒32	14♉ 1	17♋55	13♋14	19♐ 4	5♊52	11♌46	1♋32	14♏29	1♉16	0♉ 7	20♍15	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	13n 2	28s15	4s55	19n22	0n56	25n26	2n27	25n 8	1n28	23s26	0n 4	19n49	1s 3	18n22	0n45	23s14	0n30	7s19	9n44	12n12	12n13	8n34		n.a.	F 1
S 2	13 22	26 46	5 14	19 11	0 42	25 34	2 28	25 9	1 28	23 26	0 4	19 50	1 3	18 22	0 45	23 14	0 30	7 18	9 44	12 12	12 12	8 31		n.a.	S 2
S 3	13 41	23 39	5 15	18 57	0 28	25 41	2 28	25 10	1 28	23 25	0 4	19 52	1 3	18 21	0 45	23 14	0 30	7 18	9 44	12 12	12 11	8 28		n.a.	S 3
M 4	14 0	19 6	4 58	18 41	0 12	25 48	2 29	25 11	1 28	23 25	0 3	19 53	1 3	18 21	0 45	23 14	0 30	7 18	9 44	12 12	12 10	8 24		n.a.	M 4
T 5	14 19	13 23	4 21	18 24	0s 3	25 54	2 30	25 11	1 27	23 25	0 3	19 55	1 3	18 21	0 45	23 14	0 30	7 17	9 44	12 13	12 9	8 21		n.a.	T 5
W 6	14 38	6 53	3 28	18 5	0 19	25 59	2 30	25 12	1 27	23 25	0 3	19 57	1 3	18 21	0 45	23 14	0 30	7 17	9 44	12 13	12 8	8 18		n.a.	W 6
T 7	14 56	0n 3	2 20	17 45	0 36	26 3	2 31	25 12	1 27	23 25	0 3	19 58	1 3	18 21	0 45	23 14	0 30	7 16	9 44	12 13	12 7	8 15		n.a.	T 7
F 8	15 15	7 0	1 4	17 24	0 53	26 7	2 31	25 12	1 27	23 25	0 3	20 0	1 2	18 20	0 45	23 14	0 30	7 16	9 44	12 13	12 6	8 11		n.a.	F 8
S 9	15 33	13 32	0n17	17 1	1 10	26 10	2 31	25 12	1 26	23 25	0 3	20 1	1 2	18 20	0 45	23 14	0 30	7 16	9 43	12 13	12 5	8 8		n.a.	S 9
S 10	15 50	19 16	1 35	16 38	1 27	26 13	2 31	25 11	1 26	23 25	0 3	20 3	1 2	18 20	0 45	23 14	0 30	7 15	9 43	12 13	12 3	8 5		n.a.	S 10
M11	16 8	23 49	2 46	16 14	1 43	26 15	2 31	25 11	1 26	23 25	0 2	20 4	1 2	18 20	0 45	23 14	0 30	7 15	9 43	12 13	12 2	8 2		n.a.	M11
T 12	16 25	26 52	3 46	15 50	2 0	26 16	2 31	25 10	1 26	23 24	0 2	20 6	1 2	18 19	0 45	23 14	0 30	7 15	9 43	12 12	12 1	7 58		n.a.	T 12
W13	16 42	28 16	4 31	15 25	2 16	26 16	2 31	25 9	1 25	23 24	0 2	20 8	1 2	18 19	0 45	23 14	0 30	7 14	9 43	12 12	12 0	7 55		n.a.	W13
T 14	16 59	28 2	5 0	15 1	2 31	26 16	2 31	25 8	1 25	23 24	0 2	20 9	1 2	18 19	0 44	23 14	0 30	7 14	9 43	12 11	11 59	7 52		n.a.	T 14
F 15	17 15	26 20	5 14	14 38	2 46	26 15	2 30	25 7	1 25	23 24	0 2	20 11	1 2	18 18	0 44	23 14	0 30	7 14	9 43	12 10	11 58	7 49		n.a.	F 15
S 16	17 31	23 24	5 14	14 15	3 0	26 14	2 30	25 6	1 25	23 24	0 2	20 12	1 2	18 18	0 44	23 14	0 30	7 13	9 43	12 10	11 57	7 45		n.a.	S 16
S 17	17 47	19 30	4 59	13 53	3 13	26 11	2 29	25 5	1 24	23 23	0 2	20 14	1 1	18 18	0 44	23 14	0 30	7 13	9 43	12 10	11 56	7 42		n.a.	S 17
M18	18 3	14 53	4 31	13 33	3 24	26 9	2 28	25 3	1 24	23 23	0 1	20 15	1 1	18 17	0 44	23 14	0 30	7 13	9 43	12 10	11 54	7 39		n.a.	M18
T 19	18 18	9 45	3 52	13 14	3 35	26 5	2 27	25 1	1 24	23 23	0 1	20 17	1 1	18 17	0 44	23 14	0 30	7 12	9 42	12 11	11 53	7 36		n.a.	T 19
W20	18 33	4 16	3 3	12 57	3 44	26 1	2 26	24 59	1 24	23 22	0 1	20 18	1 1	18 17	0 44	23 14	0 30	7 12	9 42	12 11	11 52	7 32		n.a.	W20
T 21	18 48	1s23	2 6	12 42	3 52	25 56	2 25	24 57	1 23	23 22	0 1	20 20	1 1	18 16	0 44	23 14	0 30	7 12	9 42	12 12	11 51	7 29		n.a.	T 21
F 22	19 2	7 3	1 2	12 29	3 59	25 51	2 23	24 54	1 23	23 22	0 1	20 22	1 1	18 16	0 44	23 15	0 30	7 11	9 42	12 12	11 50	7 26		n.a.	F 22
S 23	19 17	12 33	0s 4	12 19	4 4	25 45	2 22	24 52	1 23	23 22	0 1	20 23	1 1	18 15	0 44	23 15	0 30	7 11	9 42	12 12	11 49	7 23		n.a.	S 23
S 24	19 30	17 40	1 12	12 11	4 8	25 38	2 20	24 49	1 23	23 21	0 0	20 25	1 1	18 15	0 44	23 15	0 30	7 11	9 42	12 12	11 48	7 19		n.a.	S 24
M25	19 44	22 6	2 18	12 6	4 10	25 31	2 18	24 46	1 22	23 21	0 0	20 26	1 1	18 14	0 44	23 15	0 30	7 10	9 42	12 11	11 47	7 16		n.a.	M25
T 26	19 57	25 34	3 17	12 3	4 11	25 23	2 16	24 43	1 22	23 21	0 0	20 28	1 1	18 14	0 44	23 15	0 30	7 10	9 41	12 10	11 45	7 13		n.a.	T 26
W27	20 10	27 43	4 7	12 2	4 11	25 14	2 14	24 40	1 22	23 20	0s 0	20 29	1 0	18 13	0 44	23 15	0 30	7 10	9 41	12 9	11 44	7 9		n.a.	W27
T 28	20 22	28 18	4 45	12 5	4 10	25 5	2 12	24 37	1 22	23 20	0 0	20 31	1 0	18 13	0 44	23 15	0 30	7 10	9 41	12 7	11 43	7 6		n.a.	T 28
F 29	20 34	27 11	5 7	12 10	4 7	24 56	2 9	24 33	1 21	23 19	0 0	20 32	1 0	18 12	0 44	23 15	0 30	7 9	9 41	12 6	11 42	7 3		n.a.	F 29
S 30	20 46	24 25	5 12	12 17	4 4	24 46	2 7	24 29	1 21	23 19	0 1	20 34	1 0	18 12	0 44	23 15	0 30	7 9	9 41	12 5	11 41	7 0		n.a.	S 30
S 31	20n58	20s11	4s59	12n27	3s59	24n35	2n 4	24n25	1n21	23s19	0s 1	20n35	1s 0	18n11	0n44	23s15	0n30	7s 9	9n40	12n 4	11n40	6n56		n.a.	S 31

Julian Day Number = 1549145.5, Delta T = 04h32m07s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'12, Lahiri = -10°28'12 Julian Calendar 1 May 472 BCE == Greg. Calendar 26 Apr. 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

JUNE 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 14 47	3♊35'53	2♓39	14♉24	18♋54	13♋51	18°R57	6♊ 0	11♌48	1°R31	14°R27	1°D15	0♉ 4	20♍22	n.a.	M 1
T 2	16 18 44	4°32'59	16°51	14°52	19°54	14°28	18♐50	6° 8	11°50	1♏30	14♏26	1♉16	0° 1	20°29	n.a.	T 2
W 3	16 22 41	5°30'05	1♈ 6	15°25	20°52	15° 4	18°43	6°16	11°52	1°28	14°24	1°17	29♈58	20°35	n.a.	W 3
T 4	16 26 37	6°27'12	15°24	16° 3	21°51	15°41	18°35	6°24	11°54	1°27	14°23	1°19	29°55	20°42	n.a.	T 4
F 5	16 30 34	7°24'20	29°40	16°46	22°49	16°18	18°28	6°32	11°56	1°25	14°21	1°R19	29°51	20°49	n.a.	F 5
S 6	16 34 30	8°21'28	13♉51	17°34	23°47	16°55	18°20	6°39	11°58	1°24	14°20	1°19	29°48	20°55	n.a.	S 6
S 7	16 38 27	9°18'36	27°54	18°26	24°44	17°32	18°13	6°47	12° 0	1°22	14°18	1°16	29°45	21° 2	n.a.	S 7
M 8	16 42 23	10°15'45	11♊44	19°23	25°41	18° 9	18° 5	6°55	12° 2	1°21	14°17	1°12	29°42	21° 9	n.a.	M 8
T 9	16 46 20	11°12'54	25°19	20°24	26°37	18°46	17°58	7° 3	12° 4	1°19	14°16	1° 7	29°39	21°15	n.a.	T 9
W10	16 50 17	12°10'03	8♋36	21°31	27°33	19°23	17°50	7°11	12° 7	1°18	14°14	1° 0	29°36	21°22	n.a.	W10
T 11	16 54 13	13° 7'13	21°33	22°41	28°28	20° 0	17°42	7°19	12° 9	1°16	14°13	0°53	29°32	21°29	n.a.	T 11
F 12	16 58 10	14° 4'23	4♌11	23°56	29°23	20°37	17°35	7°27	12°11	1°15	14°12	0°47	29°29	21°35	n.a.	F 12
S 13	17 2 6	15° 1'33	16°32	25°16	0♌18	21°14	17°27	7°34	12°14	1°13	14°10	0°41	29°26	21°42	n.a.	S 13
S 14	17 6 3	15°58'43	28°39	26°39	1°12	21°51	17°19	7°42	12°16	1°12	14° 9	0°38	29°23	21°49	n.a.	S 14
M15	17 9 59	16°55'54	10♍35	28° 7	2° 5	22°28	17°12	7°50	12°19	1°10	14° 8	0°36	29°20	21°55	n.a.	M15
T 16	17 13 56	17°53'05	22°26	29°39	2°58	23° 5	17° 4	7°58	12°21	1° 9	14° 7	0°D36	29°17	22° 2	n.a.	T 16
W17	17 17 52	18°50'16	4♎17	1♊15	3°50	23°43	16°56	8° 6	12°24	1° 7	14° 5	0°37	29°13	22° 9	n.a.	W17
T 18	17 21 49	19°47'28	16°13	2°55	4°41	24°20	16°48	8°13	12°26	1° 5	14° 4	0°38	29°10	22°15	n.a.	T 18
F 19	17 25 46	20°44'40	28°18	4°38	5°32	24°57	16°41	8°21	12°29	1° 4	14° 3	0°R39	29° 7	22°22	n.a.	F 19
S 20	17 29 42	21°41'52	10♏37	6°24	6°22	25°35	16°33	8°29	12°32	1° 2	14° 2	0°39	29° 4	22°29	n.a.	S 20
S 21	17 33 39	22°39'05	23°14	8°14	7°12	26°12	16°25	8°37	12°35	1° 1	14° 1	0°36	29° 1	22°35	n.a.	S 21
M22	17 37 35	23°36'19	6♐10	10° 7	8° 0	26°49	16°18	8°44	12°37	0°59	13°59	0°32	28°57	22°42	n.a.	M22
T 23	17 41 32	24°33'34	19°26	12° 3	8°48	27°27	16°10	8°52	12°40	0°57	13°58	0°25	28°54	22°49	n.a.	T 23
W24	17 45 28	25°30'49	3♑ 1	14° 0	9°35	28° 4	16° 3	9° 0	12°43	0°56	13°57	0°17	28°51	22°56	n.a.	W24
T 25	17 49 25	26°28'06	16°53	16° 0	10°22	28°42	15°55	9° 7	12°46	0°54	13°56	0° 8	28°48	23° 2	n.a.	T 25
F 26	17 53 21	27°25'23	0♒57	18° 2	11° 7	29°19	15°48	9°15	12°49	0°53	13°55	29♈59	28°45	23° 9	n.a.	F 26
S 27	17 57 18	28°22'41	15° 9	20° 5	11°52	29°57	15°40	9°22	12°52	0°51	13°54	29°52	28°42	23°16	n.a.	S 27
S 28	18 1 15	29°20'01	29°25	22° 9	12°36	0♌35	15°33	9°30	12°55	0°49	13°53	29°46	28°38	23°22	n.a.	S 28
M29	18 5 11	0♋17'21	13♓40	24°14	13°19	1°12	15°26	9°38	12°58	0°48	13°52	29°43	28°35	23°29	n.a.	M29
T 30	18 9 8	1♋14'43	27♓52	26♊19	14♌ 1	1♌50	15♐18	9♊45	13♌ 1	0♑46	13♏51	29°D42	28♈32	23♍36	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n 9	14s48	4s27	12n39	3s54	24n24	2n 1	24n21	1n20	23s18	0s 1	20n36	1s 0	18n11	0n44	23s15	0n30	7s 9	9n40	12n 4	11n39	6n53		n.a.
T 2	21 20	8 37	3 39	12 54	3 47	24 12	1 58	24 17	1 20	23 18	0 1	20 38	1 0	18 10	0 44	23 15	0 30	7 8	9 40	12 4	11 38	6 50		n.a.
W 3	21 30	1 57	2 37	13 10	3 40	24 0	1 55	24 13	1 20	23 17	0 1	20 39	1 0	18 9	0 44	23 15	0 30	7 8	9 40	12 4	11 36	6 46		n.a.
T 4	21 40	4n49	1 26	13 29	3 31	23 47	1 51	24 8	1 20	23 17	0 1	20 41	1 0	18 9	0 44	23 15	0 30	7 8	9 40	12 5	11 35	6 43		n.a.
F 5	21 50	11 21	0 9	13 50	3 22	23 34	1 48	24 3	1 19	23 16	0 1	20 42	1 0	18 8	0 44	23 15	0 30	7 8	9 39	12 5	11 34	6 40		n.a.
S 6	21 59	17 17	1n 8	14 13	3 13	23 20	1 44	23 58	1 19	23 16	0 2	20 44	1 0	18 8	0 44	23 15	0 30	7 8	9 39	12 5	11 33	6 37		n.a.
S 7	22 8	22 13	2 19	14 37	3 3	23 6	1 40	23 53	1 19	23 15	0 2	20 45	1 0	18 7	0 44	23 15	0 30	7 7	9 39	12 4	11 32	6 33		n.a.
M 8	22 17	25 49	3 22	15 3	2 52	22 52	1 36	23 48	1 18	23 15	0 2	20 46	0 59	18 6	0 44	23 15	0 30	7 7	9 39	12 3	11 31	6 30		n.a.
T 9	22 25	27 51	4 11	15 30	2 41	22 37	1 32	23 43	1 18	23 14	0 2	20 48	0 59	18 6	0 44	23 15	0 30	7 7	9 38	12 1	11 30	6 27		n.a.
W10	22 33	28 14	4 46	15 59	2 29	22 21	1 28	23 37	1 18	23 14	0 2	20 49	0 59	18 5	0 44	23 15	0 30	7 7	9 38	11 58	11 28	6 23		n.a.
T 11	22 40	27 1	5 5	16 29	2 17	22 5	1 23	23 31	1 17	23 13	0 2	20 51	0 59	18 4	0 44	23 15	0 30	7 7	9 38	11 56	11 27	6 20		n.a.
F 12	22 47	24 27	5 8	17 0	2 5	21 49	1 18	23 25	1 17	23 13	0 3	20 52	0 59	18 4	0 43	23 15	0 30	7 7	9 38	11 54	11 26	6 17		n.a.
S 13	22 54	20 48	4 57	17 31	1 52	21 33	1 13	23 19	1 17	23 12	0 3	20 53	0 59	18 3	0 43	23 15	0 30	7 6	9 37	11 52	11 25	6 13		n.a.
S 14	23 0	16 21	4 33	18 4	1 39	21 16	1 8	23 13	1 17	23 11	0 3	20 55	0 59	18 2	0 43	23 15	0 30	7 6	9 37	11 51	11 24	6 10		n.a.
M15	23 6	11 21	3 57	18 36	1 26	20 59	1 3	23 6	1 16	23 11	0 3	20 56	0 59	18 1	0 43	23 15	0 30	7 6	9 37	11 50	11 23	6 7		n.a.
T 16	23 12	5 58	3 11	19 9	1 13	20 41	0 57	23 0	1 16	23 10	0 3	20 57	0 59	18 1	0 43	23 15	0 30	7 6	9 37	11 50	11 22	6 3		n.a.
W17	23 17	0 22	2 17	19 42	1 0	20 23	0 52	22 53	1 16	23 10	0 3	20 59	0 59	18 0	0 43	23 15	0 30	7 6	9 36	11 50	11 20	6 0		n.a.
T 18	23 21	5s16	1 17	20 15	0 47	20 5	0 46	22 46	1 15	23 9	0 4	21 0	0 59	17 59	0 43	23 15	0 30	7 6	9 36	11 51	11 19	5 57		n.a.
F 19	23 26	10 49	0 13	20 47	0 34	19 46	0 40	22 39	1 15	23 8	0 4	21 1	0 59	17 58	0 43	23 15	0 30	7 6	9 36	11 51	11 18	5 54		n.a.
S 20	23 29	16 3	0s53	21 18	0 22	19 28	0 33	22 32	1 15	23 8	0 4	21 3	0 59	17 58	0 43	23 15	0 30	7 6	9 35	11 51	11 17	5 50		n.a.
S 21	23 33	20 44	1 58	21 49	0 10	19 9	0 27	22 24	1 14	23 7	0 4	21 4	0 59	17 57	0 43	23 15	0 30	7 6	9 35	11 50	11 16	5 47		n.a.
M22	23 36	24 33	2 59	22 18	0n 2	18 50	0 20	22 17	1 14	23 6	0 4	21 5	0 58	17 56	0 43	23 15	0 30	7 6	9 35	11 48	11 15	5 44		n.a.
T 23	23 38	27 10	3 51	22 46	0 14	18 30	0 13	22 9	1 14	23 6	0 4	21 6	0 58	17 55	0 43	23 15	0 30	7 6	9 34	11 46	11 14	5 40		n.a.
W24	23 41	28 14	4 31	23 12	0 25	18 11	0 6	22 1	1 13	23 5	0 5	21 8	0 58	17 54	0 43	23 15	0 30	7 6	9 34	11 43	11 12	5 37		n.a.
T 25	23 42	27 35	4 57	23 36	0 35	17 51	0s 1	21 53	1 13	23 5	0 5	21 9	0 58	17 53	0 43	23 15	0 30	7 6	9 34	11 40	11 11	5 34		n.a.
F 26	23 44	25 9	5 5	23 58	0 45	17 31	0 9	21 45	1 13	23 4	0 5	21 10	0 58	17 53	0 43	23 15	0 30	7 6	9 34	11 37	11 10	5 30		n.a.
S 27	23 45	21 11	4 54	24 17	0 55	17 12	0 16	21 36	1 12	23 3	0 5	21 11	0 58	17 52	0 43	23 15	0 30	7 6	9 33	11 34	11 9	5 27		n.a.
S 28	23 45	15 57	4 25	24 34	1 3	16 52	0 24	21 28	1 12	23 3	0 5	21 13	0 58	17 51	0 43	23 15	0 30	7 6	9 33	11 32	11 8	5 24		n.a.
M29	23 45	9 53	3 40	24 48	1 11	16 31	0 33	21 19	1 12	23 2	0 5	21 14	0 58	17 50	0 43	23 15	0 30	7 6	9 33	11 31	11 7	5 20		n.a.
T 30	23n45	3s19	2s41	25n 0	1n18	16n11	0s41	21n10	1n11	23s 1	0s 5	21n15	0s58	17n49	0n43	23s15	0n30	7s 6	9n32	11n31	11n 6	5n17		n.a.

Julian Day Number = 1549176.5, Delta T = 04h32m05s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'08, Lahiri = -10°28'08 Julian Calendar 1 June 472 BCE == Greg. Calendar 27 May 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

JULY 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 13 4	2♋12'06	11♈59	28♊25	14♌42	2♌28	15°R11	9♊53	13♌ 4	0°R44	13°R50	29♈42	28♈29	23♍42	n.a.	W 1
T 2	18 17 1	3° 9'31	26° 0	0♋30	15°21	3° 6	15♐ 4	10° 0	13° 7	0♑43	13♏49	29°R43	28°26	23°49	n.a.	T 2
F 3	18 20 57	4° 6'57	9♉54	2°35	16° 0	3°44	14°57	10° 7	13°10	0°41	13°48	29°42	28°22	23°56	n.a.	F 3
S 4	18 24 54	5° 4'25	23°41	4°40	16°38	4°21	14°50	10°15	13°13	0°40	13°48	29°40	28°19	24° 2	n.a.	S 4
S 5	18 28 50	6° 1'54	7♊18	6°43	17°14	4°59	14°44	10°22	13°16	0°38	13°47	29°35	28°16	24° 9	n.a.	S 5
M 6	18 32 47	6°59'24	20°46	8°46	17°50	5°37	14°37	10°30	13°19	0°36	13°46	29°28	28°13	24°16	n.a.	M 6
T 7	18 36 44	7°56'56	4♋ 1	10°47	18°24	6°15	14°30	10°37	13°23	0°35	13°45	29°18	28°10	24°22	n.a.	T 7
W 8	18 40 40	8°54'28	17° 2	12°48	18°56	6°53	14°24	10°44	13°26	0°33	13°44	29° 7	28° 7	24°29	n.a.	W 8
T 9	18 44 37	9°52'03	29°48	14°47	19°28	7°32	14°18	10°51	13°29	0°32	13°44	28°55	28° 3	24°36	n.a.	T 9
F 10	18 48 33	10°49'38	12♌18	16°45	19°58	8°10	14°12	10°59	13°32	0°30	13°43	28°43	28° 0	24°42	n.a.	F 10
S 11	18 52 30	11°47'14	24°34	18°42	20°26	8°48	14° 5	11° 6	13°36	0°28	13°42	28°33	27°57	24°49	n.a.	S 11
S 12	18 56 26	12°44'52	6♍38	20°37	20°53	9°26	14° 0	11°13	13°39	0°27	13°42	28°26	27°54	24°56	n.a.	S 12
M13	19 0 23	13°42'30	18°32	22°31	21°18	10° 4	13°54	11°20	13°43	0°25	13°41	28°21	27°51	25° 2	n.a.	M13
T 14	19 4 20	14°40'10	0♎22	24°23	21°42	10°43	13°48	11°27	13°46	0°24	13°41	28°18	27°48	25° 9	n.a.	T 14
W15	19 8 16	15°37'51	12°11	26°14	22° 4	11°21	13°43	11°34	13°49	0°22	13°40	28°D17	27°44	25°16	n.a.	W15
T 16	19 12 13	16°35'33	24° 6	28° 4	22°24	11°59	13°37	11°41	13°53	0°21	13°40	28°R17	27°41	25°22	n.a.	T 16
F 17	19 16 9	17°33'17	6♏11	29°52	22°42	12°38	13°32	11°48	13°56	0°19	13°39	28°17	27°38	25°29	n.a.	F 17
S 18	19 20 6	18°31'02	18°32	1♌38	22°59	13°16	13°27	11°55	14° 0	0°17	13°39	28°16	27°35	25°36	n.a.	S 18
S 19	19 24 2	19°28'48	1♐13	3°24	23°13	13°55	13°22	12° 2	14° 3	0°16	13°38	28°12	27°32	25°42	n.a.	S 19
M20	19 27 59	20°26'35	14°19	5° 7	23°26	14°33	13°17	12° 8	14° 7	0°14	13°38	28° 6	27°28	25°49	n.a.	M20
T 21	19 31 55	21°24'24	27°49	6°50	23°36	15°12	13°12	12°15	14°10	0°13	13°38	27°58	27°25	25°56	n.a.	T 21
W22	19 35 52	22°22'15	11♑43	8°31	23°45	15°50	13° 8	12°22	14°14	0°11	13°37	27°47	27°22	26° 2	n.a.	W22
T 23	19 39 49	23°20'07	25°59	10°11	23°51	16°29	13° 4	12°28	14°18	0°10	13°37	27°36	27°19	26° 9	n.a.	T 23
F 24	19 43 45	24°18'00	10♒29	11°49	23°55	17° 8	13° 0	12°35	14°21	0° 9	13°37	27°24	27°16	26°16	n.a.	F 24
S 25	19 47 42	25°15'56	25° 7	13°26	23°R56	17°46	12°56	12°41	14°25	0° 7	13°36	27°15	27°13	26°22	n.a.	S 25
S 26	19 51 38	26°13'53	9♓46	15° 2	23°56	18°25	12°52	12°48	14°28	0° 6	13°36	27° 7	27° 9	26°29	n.a.	S 26
M27	19 55 35	27°11'52	24°19	16°36	23°53	19° 4	12°48	12°54	14°32	0° 4	13°36	27° 2	27° 6	26°36	n.a.	M27
T 28	19 59 31	28° 9'53	8♈42	18° 9	23°47	19°43	12°45	13° 1	14°36	0° 3	13°36	27° 0	27° 3	26°42	n.a.	T 28
W29	20 3 28	29° 7'56	22°52	19°41	23°40	20°22	12°42	13° 7	14°39	0° 2	13°36	26°59	27° 0	26°49	n.a.	W29
T 30	20 7 24	0♌ 6'01	6♉47	21°12	23°30	21° 1	12°38	13°13	14°43	0° 0	13°36	26°59	26°57	26°56	n.a.	T 30
F 31	20 11 21	1♌ 4'08	20♉29	22♌41	23♌17	21♌40	12♐36	13♊19	14♌47	29♐59	13♏36	26♈58	26♈54	27♍ 2	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	23n44	3n22	1s33	25n 9	1n24	15n51	0s50	21n 1	1n11	23s 1	0s 6	21n16	0s58	17n48	0n43	23s15	0n30	7s 6	9n32	11n31	11n 4	5n14		n.a.	W 1
T 2	23 43	9 52	0 20	25 15	1 30	15 31	0 58	20 52	1 11	23 0	0 6	21 17	0 58	17 47	0 43	23 15	0 30	7 6	9 32	11 31	11 3	5 10		n.a.	T 2
F 3	23 41	15 50	0n54	25 18	1 35	15 11	1 7	20 43	1 10	22 59	0 6	21 18	0 58	17 46	0 43	23 15	0 30	7 6	9 31	11 31	11 2	5 7		n.a.	F 3
S 4	23 39	20 56	2 4	25 19	1 39	14 50	1 17	20 33	1 10	22 59	0 6	21 19	0 58	17 45	0 43	23 15	0 30	7 6	9 31	11 30	11 1	5 3		n.a.	S 4
S 5	23 37	24 52	3 6	25 17	1 42	14 30	1 26	20 24	1 10	22 58	0 6	21 21	0 58	17 44	0 43	23 15	0 30	7 6	9 31	11 28	11 0	5 0		n.a.	S 5
M 6	23 34	27 21	3 56	25 12	1 45	14 10	1 36	20 14	1 9	22 58	0 6	21 22	0 58	17 43	0 43	23 15	0 30	7 6	9 30	11 26	10 59	4 57		n.a.	M 6
T 7	23 31	28 15	4 33	25 5	1 46	13 50	1 46	20 4	1 9	22 57	0 6	21 23	0 58	17 43	0 43	23 15	0 30	7 6	9 30	11 22	10 58	4 53		n.a.	T 7
W 8	23 27	27 32	4 55	24 55	1 48	13 31	1 56	19 54	1 9	22 56	0 7	21 24	0 58	17 42	0 43	23 15	0 30	7 7	9 29	11 18	10 56	4 50		n.a.	W 8
T 9	23 23	25 22	5 2	24 43	1 48	13 11	2 6	19 44	1 8	22 56	0 7	21 25	0 58	17 41	0 43	23 16	0 30	7 7	9 29	11 14	10 55	4 47		n.a.	T 9
F 10	23 18	22 1	4 53	24 29	1 48	12 51	2 17	19 33	1 8	22 55	0 7	21 26	0 58	17 40	0 43	23 16	0 30	7 7	9 29	11 10	10 54	4 43		n.a.	F 10
S 11	23 13	17 46	4 32	24 12	1 47	12 32	2 28	19 23	1 7	22 55	0 7	21 27	0 58	17 39	0 43	23 16	0 30	7 7	9 28	11 6	10 53	4 40		n.a.	S 11
S 12	23 8	12 52	3 58	23 54	1 46	12 13	2 39	19 12	1 7	22 54	0 7	21 28	0 58	17 38	0 43	23 16	0 30	7 7	9 28	11 3	10 52	4 37		n.a.	S 12
M13	23 2	7 34	3 14	23 34	1 44	11 54	2 50	19 1	1 7	22 53	0 7	21 29	0 58	17 37	0 43	23 16	0 30	7 7	9 28	11 2	10 51	4 33		n.a.	M13
T 14	22 56	2 2	2 22	23 12	1 42	11 36	3 1	18 51	1 6	22 53	0 7	21 30	0 58	17 36	0 43	23 16	0 30	7 8	9 27	11 1	10 50	4 30		n.a.	T 14
W15	22 50	3s35	1 24	22 48	1 39	11 18	3 13	18 39	1 6	22 52	0 8	21 31	0 57	17 35	0 43	23 16	0 30	7 8	9 27	11 0	10 48	4 27		n.a.	W15
T 16	22 43	9 7	0 22	22 23	1 36	11 0	3 25	18 28	1 6	22 52	0 8	21 32	0 57	17 34	0 43	23 16	0 30	7 8	9 26	11 0	10 47	4 23		n.a.	T 16
F 17	22 35	14 25	0s42	21 57	1 32	10 43	3 37	18 17	1 5	22 51	0 8	21 33	0 57	17 33	0 43	23 16	0 30	7 8	9 26	11 0	10 46	4 20		n.a.	F 17
S 18	22 27	19 15	1 45	21 29	1 28	10 26	3 49	18 5	1 5	22 51	0 8	21 34	0 57	17 31	0 43	23 16	0 30	7 9	9 26	11 0	10 45	4 16		n.a.	S 18
S 19	22 19	23 22	2 45	21 0	1 24	10 10	4 1	17 54	1 5	22 50	0 8	21 35	0 57	17 30	0 43	23 16	0 30	7 9	9 25	10 59	10 44	4 13		n.a.	S 19
M20	22 11	26 25	3 38	20 31	1 19	9 54	4 13	17 42	1 4	22 50	0 8	21 36	0 57	17 29	0 43	23 16	0 29	7 9	9 25	10 56	10 43	4 10		n.a.	M20
T 21	22 2	28 4	4 20	20 0	1 14	9 39	4 26	17 30	1 4	22 49	0 8	21 37	0 57	17 28	0 43	23 16	0 29	7 9	9 25	10 53	10 41	4 6		n.a.	T 21
W22	21 52	28 1	4 49	19 28	1 8	9 24	4 39	17 18	1 3	22 49	0 9	21 38	0 57	17 27	0 43	23 16	0 29	7 10	9 24	10 49	10 40	4 3		n.a.	W22
T 23	21 42	26 8	5 0	18 55	1 2	9 10	4 51	17 6	1 3	22 49	0 9	21 39	0 57	17 26	0 43	23 16	0 29	7 10	9 24	10 45	10 39	4 0		n.a.	T 23
F 24	21 32	22 32	4 53	18 22	0 56	8 57	5 4	16 54	1 3	22 48	0 9	21 39	0 57	17 25	0 43	23 16	0 29	7 10	9 23	10 41	10 38	3 56		n.a.	F 24
S 25	21 22	17 29	4 26	17 48	0 49	8 44	5 17	16 42	1 2	22 48	0 9	21 40	0 57	17 24	0 43	23 16	0 29	7 10	9 23	10 38	10 37	3 53		n.a.	S 25
S 26	21 11	11 25	3 42	17 13	0 43	8 32	5 30	16 29	1 2	22 47	0 9	21 41	0 57	17 23	0 43	23 16	0 29	7 11	9 23	10 35	10 36	3 49		n.a.	S 26
M27	21 0	4 47	2 43	16 38	0 36	8 21	5 43	16 16	1 1	22 47	0 9	21 42	0 57	17 22	0 43	23 16	0 29	7 11	9 22	10 33	10 35	3 46		n.a.	M27
T 28	20 48	2n 2	1 35	16 3	0 29	8 11	5 55	16 4	1 1	22 47	0 9	21 43	0 57	17 21	0 43	23 16	0 29	7 11	9 22	10 32	10 33	3 43		n.a.	T 28
W29	20 36	8 40	0 22	15 27	0 21	8 1	6 8	15 51	1 1	22 46	0 10	21 44	0 57	17 20	0 43	23 16	0 29	7 12	9 21	10 32	10 32	3 39		n.a.	W29
T 30	20 24	14 46	0n52	14 50	0 14	7 53	6 20	15 38	1 0	22 46	0 10	21 44	0 57	17 19	0 43	23 16	0 29	7 12	9 21	10 32	10 31	3 36		n.a.	T 30
F 31	20n11	20n 3	2n 1	14n14	0n 6	7n45	6s33	15n25	1n 0	22s46	0s10	21n45	0s57	17n18	0n43	23s16	0n29	7s13	9n21	10n32	10n30	3n33		n.a.	F 31

Julian Day Number = 1549206.5, Delta T = 04h32m04s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'04, Lahiri = -10°28'03 Julian Calendar 1 July 472 BCE == Greg. Calendar 26 June 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

AUGUST 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 15 18	2♌ 2'18	3♊59	24♌ 9	23°R 2	22♌19	12°R33	13♊25	14♌50	29°R57	13°D36	26°R56	26♈50	27♍ 9	n.a.	S 1
S 2	20 19 14	3° 0'30	17°16	25°35	22♌45	22°58	12♐30	13°31	14°54	29♐56	13♏36	26♈50	26°47	27°16	n.a.	S 2
M 3	20 23 11	3°58'43	0♋21	27° 0	22°26	23°37	12°28	13°37	14°58	29°55	13°36	26°42	26°44	27°22	n.a.	M 3
T 4	20 27 7	4°56'59	13°15	28°24	22° 4	24°16	12°26	13°43	15° 2	29°54	13°36	26°31	26°41	27°29	n.a.	T 4
W 5	20 31 4	5°55'17	25°57	29°46	21°41	24°55	12°24	13°49	15° 5	29°52	13°36	26°18	26°38	27°36	n.a.	W 5
T 6	20 35 0	6°53'37	8♌27	1♍ 7	21°15	25°35	12°22	13°55	15° 9	29°51	13°36	26° 5	26°35	27°42	n.a.	T 6
F 7	20 38 57	7°51'58	20°46	2°27	20°48	26°14	12°20	14° 1	15°13	29°50	13°36	25°52	26°31	27°49	n.a.	F 7
S 8	20 42 53	8°50'22	2♍54	3°44	20°18	26°53	12°19	14° 6	15°17	29°49	13°37	25°41	26°28	27°56	n.a.	S 8
S 9	20 46 50	9°48'47	14°52	5° 1	19°47	27°33	12°18	14°12	15°20	29°48	13°37	25°32	26°25	28° 2	n.a.	S 9
M10	20 50 47	10°47'14	26°43	6°15	19°15	28°12	12°17	14°17	15°24	29°46	13°37	25°26	26°22	28° 9	n.a.	M10
T 11	20 54 43	11°45'43	8♎30	7°28	18°41	28°52	12°16	14°23	15°28	29°45	13°38	25°22	26°19	28°16	n.a.	T 11
W12	20 58 40	12°44'13	20°17	8°39	18° 6	29°31	12°15	14°28	15°32	29°44	13°38	25°D21	26°15	28°22	n.a.	W12
T 13	21 2 36	13°42'46	2♏10	9°48	17°31	0♍11	12°15	14°33	15°36	29°43	13°38	25°21	26°12	28°29	n.a.	T 13
F 14	21 6 33	14°41'20	14°13	10°56	16°54	0°50	12°15	14°39	15°39	29°42	13°39	25°R21	26° 9	28°36	n.a.	F 14
S 15	21 10 29	15°39'56	26°32	12° 1	16°18	1°30	12°D15	14°44	15°43	29°41	13°39	25°21	26° 6	28°42	n.a.	S 15
S 16	21 14 26	16°38'34	9♐12	13° 3	15°41	2°10	12°15	14°49	15°47	29°40	13°40	25°19	26° 3	28°49	n.a.	S 16
M17	21 18 22	17°37'13	22°18	14° 4	15° 4	2°49	12°15	14°54	15°51	29°39	13°40	25°14	26° 0	28°56	n.a.	M17
T 18	21 22 19	18°35'55	5♑51	15° 1	14°28	3°29	12°16	14°59	15°55	29°38	13°41	25° 7	25°56	29° 2	n.a.	T 18
W19	21 26 15	19°34'38	19°53	15°56	13°52	4° 9	12°17	15° 4	15°58	29°37	13°41	24°58	25°53	29° 9	n.a.	W19
T 20	21 30 12	20°33'24	4♒21	16°48	13°17	4°49	12°17	15° 8	16° 2	29°37	13°42	24°48	25°50	29°16	n.a.	T 20
F 21	21 34 9	21°32'11	19° 9	17°37	12°43	5°29	12°19	15°13	16° 6	29°36	13°43	24°39	25°47	29°22	n.a.	F 21
S 22	21 38 5	22°31'00	4♓ 9	18°22	12°10	6° 9	12°20	15°17	16°10	29°35	13°43	24°30	25°44	29°29	n.a.	S 22
S 23	21 42 2	23°29'52	19°11	19° 4	11°38	6°49	12°21	15°22	16°13	29°34	13°44	24°24	25°40	29°36	n.a.	S 23
M24	21 45 58	24°28'45	4♈ 6	19°41	11° 9	7°29	12°23	15°26	16°17	29°33	13°45	24°20	25°37	29°42	n.a.	M24
T 25	21 49 55	25°27'41	18°48	20°15	10°41	8° 9	12°25	15°31	16°21	29°33	13°46	24°D18	25°34	29°49	n.a.	T 25
W26	21 53 51	26°26'40	3♉10	20°43	10°15	8°49	12°27	15°35	16°25	29°32	13°46	24°18	25°31	29°56	n.a.	W26
T 27	21 57 48	27°25'41	17°13	21° 6	9°51	9°29	12°29	15°39	16°28	29°31	13°47	24°19	25°28	0♎ 2	n.a.	T 27
F 28	22 1 44	28°24'44	0♊54	21°24	9°29	10° 9	12°32	15°43	16°32	29°30	13°48	24°R19	25°25	0° 9	n.a.	F 28
S 29	22 5 41	29°23'50	14°17	21°35	9°10	10°50	12°34	15°47	16°36	29°30	13°49	24°18	25°21	0°15	n.a.	S 29
S 30	22 9 38	0♍22'58	27°22	21°R40	8°52	11°30	12°37	15°51	16°40	29°29	13°50	24°15	25°18	0°22	n.a.	S 30
M31	22 13 34	1♍22'09	10♋12	21♍39	8♌38	12♍10	12♐40	15♊55	16♌43	29♐29	13♏51	24♈ 9	25♈15	0♎29	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n58	24n12	3n 2	13n37	0s 2	7n39	6s45	15n11	0n59	22s46	0s10	21n46	0s57	17n16	0n43	23s16	0n29	7s13	9n20	10n31	10n29	3n29		n.a.
S 2	19 45	26 59	3 52	13 0	0 10	7 33	6 56	14 58	0 59	22 45	0 10	21 47	0 57	17 15	0 43	23 16	0 29	7 13	9 20	10 29	10 28	3 26		n.a.
M 3	19 31	28 15	4 30	12 23	0 18	7 28	7 8	14 45	0 59	22 45	0 10	21 47	0 57	17 14	0 43	23 16	0 29	7 14	9 19	10 26	10 26	3 22		n.a.
T 4	19 17	27 56	4 52	11 46	0 26	7 25	7 19	14 31	0 58	22 45	0 10	21 48	0 57	17 13	0 43	23 16	0 29	7 14	9 19	10 22	10 25	3 19		n.a.
W 5	19 2	26 9	5 0	11 10	0 35	7 22	7 29	14 17	0 58	22 45	0 10	21 49	0 57	17 12	0 43	23 16	0 29	7 15	9 19	10 17	10 24	3 16		n.a.
T 6	18 48	23 6	4 53	10 33	0 43	7 21	7 39	14 4	0 57	22 45	0 10	21 50	0 57	17 11	0 43	23 16	0 29	7 15	9 18	10 12	10 23	3 12		n.a.
F 7	18 33	19 4	4 33	9 56	0 52	7 21	7 49	13 50	0 57	22 45	0 11	21 50	0 57	17 10	0 43	23 16	0 29	7 15	9 18	10 7	10 22	3 9		n.a.
S 8	18 17	14 18	4 0	9 20	1 0	7 21	7 58	13 36	0 57	22 45	0 11	21 51	0 57	17 9	0 43	23 16	0 29	7 16	9 17	10 3	10 21	3 5		n.a.
S 9	18 1	9 4	3 17	8 44	1 9	7 23	8 6	13 22	0 56	22 45	0 11	21 52	0 57	17 7	0 43	23 16	0 29	7 16	9 17	10 0	10 19	3 2		n.a.
M10	17 45	3 33	2 26	8 8	1 18	7 26	8 14	13 7	0 56	22 45	0 11	21 52	0 57	17 6	0 43	23 16	0 29	7 17	9 17	9 58	10 18	2 59		n.a.
T 11	17 29	2s 4	1 28	7 33	1 26	7 30	8 20	12 53	0 55	22 45	0 11	21 53	0 57	17 5	0 43	23 16	0 29	7 17	9 16	9 56	10 17	2 55		n.a.
W12	17 13	7 37	0 27	6 58	1 35	7 34	8 26	12 39	0 55	22 45	0 11	21 54	0 57	17 4	0 43	23 16	0 29	7 18	9 16	9 56	10 16	2 52		n.a.
T 13	16 56	12 57	0s36	6 24	1 44	7 40	8 31	12 24	0 54	22 45	0 11	21 54	0 57	17 3	0 43	23 16	0 29	7 18	9 15	9 56	10 15	2 48		n.a.
F 14	16 38	17 53	1 39	5 50	1 53	7 47	8 35	12 10	0 54	22 45	0 11	21 55	0 57	17 2	0 43	23 16	0 29	7 19	9 15	9 56	10 14	2 45		n.a.
S 15	16 21	22 12	2 38	5 17	2 1	7 55	8 39	11 55	0 53	22 45	0 11	21 55	0 57	17 1	0 43	23 16	0 29	7 19	9 15	9 56	10 12	2 42		n.a.
S 16	16 3	25 36	3 31	4 45	2 10	8 3	8 41	11 40	0 53	22 45	0 12	21 56	0 57	16 59	0 43	23 16	0 29	7 20	9 14	9 55	10 11	2 38		n.a.
M17	15 45	27 46	4 15	4 14	2 18	8 12	8 42	11 25	0 53	22 45	0 12	21 57	0 57	16 58	0 43	23 16	0 29	7 20	9 14	9 53	10 10	2 35		n.a.
T 18	15 27	28 24	4 47	3 44	2 26	8 22	8 43	11 10	0 52	22 45	0 12	21 57	0 57	16 57	0 43	23 16	0 29	7 21	9 13	9 51	10 9	2 31		n.a.
W19	15 8	27 14	5 2	3 15	2 34	8 33	8 42	10 55	0 52	22 46	0 12	21 58	0 57	16 56	0 43	23 16	0 29	7 21	9 13	9 47	10 8	2 28		n.a.
T 20	14 50	24 16	4 59	2 47	2 42	8 44	8 41	10 40	0 51	22 46	0 12	21 58	0 57	16 55	0 43	23 16	0 29	7 22	9 13	9 44	10 7	2 25		n.a.
F 21	14 31	19 39	4 37	2 21	2 50	8 55	8 38	10 25	0 51	22 46	0 12	21 59	0 57	16 54	0 43	23 16	0 29	7 23	9 12	9 40	10 5	2 21		n.a.
S 22	14 11	13 45	3 55	1 56	2 57	9 7	8 35	10 9	0 50	22 46	0 12	21 59	0 57	16 53	0 43	23 16	0 29	7 23	9 12	9 37	10 4	2 18		n.a.
S 23	13 52	7 2	2 56	1 34	3 4	9 20	8 31	9 54	0 50	22 47	0 12	22 0	0 57	16 52	0 43	23 17	0 29	7 24	9 11	9 35	10 3	2 14		n.a.
M24	13 32	0n 2	1 46	1 13	3 11	9 33	8 26	9 38	0 49	22 47	0 12	22 0	0 57	16 50	0 43	23 17	0 29	7 24	9 11	9 33	10 2	2 11		n.a.
T 25	13 12	7 0	0 29	0 54	3 17	9 45	8 21	9 23	0 49	22 47	0 13	22 1	0 57	16 49	0 43	23 17	0 29	7 25	9 11	9 33	10 1	2 8		n.a.
W26	12 52	13 29	0n47	0 37	3 23	9 58	8 14	9 7	0 49	22 48	0 13	22 1	0 57	16 48	0 43	23 17	0 29	7 26	9 10	9 33	10 0	2 4		n.a.
T 27	12 31	19 6	2 0	0 24	3 28	10 11	8 7	8 51	0 48	22 48	0 13	22 1	0 57	16 47	0 43	23 17	0 29	7 26	9 10	9 33	9 58	2 1		n.a.
F 28	12 11	23 36	3 3	0 13	3 32	10 24	7 59	8 36	0 48	22 48	0 13	22 2	0 57	16 46	0 43	23 17	0 29	7 27	9 9	9 33	9 57	1 57		n.a.
S 29	11 50	26 42	3 55	0 5	3 36	10 37	7 51	8 20	0 47	22 49	0 13	22 2	0 57	16 45	0 43	23 17	0 29	7 27	9 9	9 33	9 56	1 54		n.a.
S 30	11 29	28 17	4 34	0 0	3 39	10 50	7 43	8 4	0 47	22 49	0 13	22 3	0 57	16 44	0 43	23 17	0 29	7 28	9 9	9 31	9 55	1 50		n.a.
M31	11n 8	28n18	4n57	0s 1	3s40	11n 3	7s33	7n48	0n46	22s50	0s13	22n 3	0s57	16n42	0n43	23s17	0n29	7s29	9n 8	9n29	9n54	1n47		n.a.

Julian Day Number = 1549237.5, Delta T = 04h32m03s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°35'00, Lahiri = -10°27'59 Julian Calendar 1 Aug. 472 BCE == Greg. Calendar 27 July 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

SEPTEMBER 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 17 31	2♍21'22	22♋48	21°R30	8°R25	12♍51	12♐44	15♊58	16♎47	29°R28	13♏52	24°R 2	25♈12	0♎35	n.a.	T 1
W 2	22 21 27	3°20'38	5♎14	21♍14	8♎15	13°31	12°47	16° 2	16°51	29♐28	13°53	23♈53	25° 9	0°42	n.a.	W 2
T 3	22 25 24	4°19'56	17°29	20°49	8° 8	14°12	12°51	16° 5	16°54	29°27	13°54	23°43	25° 6	0°49	n.a.	T 3
F 4	22 29 20	5°19'15	29°35	20°17	8° 3	14°52	12°54	16° 9	16°58	29°27	13°55	23°34	25° 2	0°55	n.a.	F 4
S 5	22 33 17	6°18'38	11♍33	19°37	8° 0	15°33	12°58	16°12	17° 2	29°26	13°56	23°25	24°59	1° 2	n.a.	S 5
S 6	22 37 13	7°18'02	23°26	18°49	8°D 0	16°14	13° 2	16°15	17° 5	29°26	13°57	23°19	24°56	1° 9	n.a.	S 6
M 7	22 41 10	8°17'28	5♎14	17°54	8° 2	16°54	13° 7	16°18	17° 9	29°26	13°59	23°15	24°53	1°15	n.a.	M 7
T 8	22 45 6	9°16'56	17° 0	16°53	8° 6	17°35	13°11	16°21	17°12	29°25	14° 0	23°13	24°50	1°22	n.a.	T 8
W 9	22 49 3	10°16'27	28°47	15°46	8°13	18°16	13°16	16°24	17°16	29°25	14° 1	23°D13	24°46	1°29	n.a.	W 9
T 10	22 53 0	11°15'59	10♏40	14°36	8°21	18°57	13°21	16°27	17°20	29°25	14° 2	23°14	24°43	1°35	n.a.	T 10
F 11	22 56 56	12°15'33	22°43	13°24	8°33	19°38	13°26	16°29	17°23	29°25	14° 4	23°16	24°40	1°42	n.a.	F 11
S 12	23 0 53	13°15'09	4♐59	12°11	8°46	20°19	13°31	16°32	17°27	29°24	14° 5	23°17	24°37	1°49	n.a.	S 12
S 13	23 4 49	14°14'47	17°36	11° 0	9° 1	21° 0	13°36	16°34	17°30	29°24	14° 6	23°R18	24°34	1°55	n.a.	S 13
M14	23 8 46	15°14'27	0♑36	9°54	9°18	21°41	13°42	16°37	17°34	29°24	14° 8	23°16	24°31	2° 2	n.a.	M14
T 15	23 12 42	16°14'09	14° 3	8°53	9°37	22°22	13°47	16°39	17°37	29°24	14° 9	23°14	24°27	2° 9	n.a.	T 15
W16	23 16 39	17°13'53	28° 0	8° 1	9°58	23° 3	13°53	16°41	17°41	29°24	14°10	23° 9	24°24	2°15	n.a.	W16
T 17	23 20 35	18°13'38	12♒25	7°17	10°21	23°44	13°59	16°43	17°44	29°D24	14°12	23° 4	24°21	2°22	n.a.	T 17
F 18	23 24 32	19°13'26	27°14	6°44	10°46	24°25	14° 5	16°45	17°47	29°24	14°13	22°59	24°18	2°29	n.a.	F 18
S 19	23 28 29	20°13'15	12♓21	6°22	11°13	25° 7	14°12	16°47	17°51	29°24	14°15	22°54	24°15	2°35	n.a.	S 19
S 20	23 32 25	21°13'06	27°35	6°D11	11°41	25°48	14°18	16°49	17°54	29°24	14°16	22°51	24°12	2°42	n.a.	S 20
M21	23 36 22	22°12'59	12♈47	6°11	12°10	26°29	14°25	16°50	17°57	29°24	14°18	22°49	24° 8	2°49	n.a.	M21
T 22	23 40 18	23°12'55	27°47	6°22	12°42	27°11	14°32	16°52	18° 1	29°24	14°20	22°D49	24° 5	2°55	n.a.	T 22
W23	23 44 15	24°12'52	12♉28	6°44	13°15	27°52	14°39	16°53	18° 4	29°25	14°21	22°50	24° 2	3° 2	n.a.	W23
T 24	23 48 11	25°12'52	26°45	7°16	13°49	28°34	14°46	16°54	18° 7	29°25	14°23	22°51	23°59	3° 9	n.a.	T 24
F 25	23 52 8	26°12'55	10♊37	7°57	14°24	29°15	14°53	16°56	18°10	29°25	14°24	22°53	23°56	3°15	n.a.	F 25
S 26	23 56 4	27°13'00	24° 4	8°46	15° 1	29°57	15° 1	16°57	18°13	29°25	14°26	22°R54	23°52	3°22	n.a.	S 26
S 27	0 0 1	28°13'07	7♋ 7	9°42	15°40	0♎39	15° 8	16°58	18°17	29°26	14°28	22°53	23°49	3°29	n.a.	S 27
M28	0 3 58	29°13'16	19°51	10°44	16°19	1°21	15°16	16°58	18°20	29°26	14°30	22°52	23°46	3°35	n.a.	M28
T 29	0 7 54	0♎13'27	2♎18	11°53	17° 0	2° 2	15°24	16°59	18°23	29°26	14°31	22°49	23°43	3°42	n.a.	T 29
W30	0 11 51	1♎13'41	14♎32	13♍ 6	17♎42	2♎44	15♐32	17♊ 0	18♎26	29♐27	14♏33	22♈46	23♈40	3♎49	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n46	26n50	5n 6	0n 2	3s41	11n15	7s24	7n32	0n46	22s50	0s13	22n 4	0s57	16n41	0n43	23s17	0n28	7s29	9n 8	9n26	9n53	1n44		n.a.
W 2	10 25	24 4	5 0	0 10	3 40	11 27	7 14	7 15	0 45	22 51	0 13	22 4	0 57	16 40	0 43	23 17	0 28	7 30	9 8	9 23	9 51	1 40		n.a.
T 3	10 3	20 15	4 41	0 22	3 37	11 39	7 4	6 59	0 45	22 51	0 13	22 4	0 57	16 39	0 43	23 17	0 28	7 31	9 7	9 19	9 50	1 37		n.a.
F 4	9 41	15 38	4 9	0 38	3 34	11 51	6 53	6 43	0 44	22 52	0 13	22 5	0 57	16 38	0 43	23 17	0 28	7 31	9 7	9 16	9 49	1 33		n.a.
S 5	9 19	10 29	3 26	0 59	3 28	12 2	6 42	6 26	0 44	22 53	0 14	22 5	0 57	16 37	0 43	23 17	0 28	7 32	9 6	9 13	9 48	1 30		n.a.
S 6	8 57	5 0	2 34	1 25	3 20	12 12	6 31	6 10	0 43	22 53	0 14	22 5	0 57	16 36	0 43	23 17	0 28	7 33	9 6	9 11	9 47	1 27		n.a.
M 7	8 34	0s38	1 36	1 55	3 11	12 23	6 20	5 53	0 43	22 54	0 14	22 6	0 57	16 35	0 43	23 17	0 28	7 33	9 6	9 9	9 45	1 23		n.a.
T 8	8 12	6 15	0 34	2 30	2 59	12 33	6 9	5 37	0 42	22 55	0 14	22 6	0 57	16 34	0 43	23 17	0 28	7 34	9 5	9 8	9 44	1 20		n.a.
W 9	7 49	11 39	0s30	3 8	2 46	12 42	5 58	5 20	0 42	22 55	0 14	22 6	0 57	16 33	0 43	23 17	0 28	7 35	9 5	9 8	9 43	1 16		n.a.
T 10	7 26	16 42	1 33	3 50	2 31	12 51	5 46	5 4	0 41	22 56	0 14	22 6	0 57	16 31	0 43	23 17	0 28	7 36	9 5	9 9	9 42	1 13		n.a.
F 11	7 3	21 10	2 34	4 34	2 14	12 59	5 35	4 47	0 41	22 57	0 14	22 7	0 57	16 30	0 43	23 17	0 28	7 36	9 4	9 9	9 41	1 9		n.a.
S 12	6 40	24 49	3 28	5 18	1 55	13 7	5 23	4 30	0 40	22 57	0 14	22 7	0 57	16 29	0 43	23 17	0 28	7 37	9 4	9 10	9 40	1 6		n.a.
S 13	6 17	27 22	4 13	6 4	1 36	13 14	5 12	4 13	0 40	22 58	0 14	22 7	0 57	16 28	0 43	23 17	0 28	7 38	9 3	9 10	9 38	1 3		n.a.
M14	5 53	28 33	4 48	6 48	1 16	13 20	5 0	3 57	0 39	22 59	0 14	22 7	0 57	16 27	0 43	23 17	0 28	7 38	9 3	9 9	9 37	0 59		n.a.
T 15	5 30	28 6	5 8	7 30	0 55	13 26	4 49	3 40	0 39	23 0	0 14	22 8	0 57	16 26	0 43	23 17	0 28	7 39	9 3	9 8	9 36	0 56		n.a.
W16	5 6	25 54	5 11	8 8	0 35	13 32	4 37	3 23	0 38	23 0	0 15	22 8	0 57	16 25	0 43	23 17	0 28	7 40	9 2	9 7	9 35	0 52		n.a.
T 17	4 43	22 0	4 54	8 43	0 15	13 36	4 26	3 6	0 38	23 1	0 15	22 8	0 57	16 24	0 43	23 17	0 28	7 41	9 2	9 5	9 34	0 49		n.a.
F 18	4 19	16 37	4 18	9 13	0n 4	13 41	4 15	2 49	0 37	23 2	0 15	22 8	0 57	16 23	0 43	23 17	0 28	7 41	9 2	9 3	9 32	0 45		n.a.
S 19	3 55	10 9	3 23	9 39	0 22	13 44	4 4	2 32	0 37	23 3	0 15	22 8	0 57	16 22	0 43	23 17	0 28	7 42	9 1	9 1	9 31	0 42		n.a.
S 20	3 32	3 1	2 14	9 58	0 39	13 47	3 53	2 15	0 36	23 4	0 15	22 8	0 57	16 21	0 43	23 17	0 28	7 43	9 1	9 0	9 30	0 39		n.a.
M21	3 8	4n17	0 55	10 12	0 55	13 49	3 42	1 57	0 36	23 5	0 15	22 9	0 57	16 20	0 43	23 17	0 28	7 44	9 1	8 59	9 29	0 35		n.a.
T 22	2 44	11 15	0n27	10 21	1 8	13 51	3 31	1 40	0 35	23 6	0 15	22 9	0 57	16 19	0 43	23 17	0 28	7 44	9 0	8 59	9 28	0 32		n.a.
W23	2 20	17 28	1 46	10 24	1 21	13 52	3 21	1 23	0 35	23 6	0 15	22 9	0 57	16 18	0 43	23 17	0 28	7 45	9 0	9 0	9 27	0 28		n.a.
T 24	1 56	22 32	2 56	10 22	1 31	13 52	3 10	1 6	0 34	23 7	0 15	22 9	0 57	16 17	0 43	23 17	0 28	7 46	9 0	9 0	9 25	0 25		n.a.
F 25	1 31	26 11	3 53	10 15	1 40	13 52	3 0	0 49	0 34	23 8	0 15	22 9	0 57	16 16	0 43	23 17	0 28	7 47	9 0	9 1	9 24	0 21		n.a.
S 26	1 7	28 13	4 36	10 3	1 48	13 51	2 50	0 31	0 33	23 9	0 15	22 9	0 57	16 15	0 43	23 17	0 28	7 48	8 59	9 1	9 23	0 18		n.a.
S 27	0 43	28 36	5 3	9 48	1 54	13 49	2 39	0 14	0 33	23 10	0 15	22 9	0 57	16 14	0 43	23 17	0 28	7 48	8 59	9 1	9 22	0 15		n.a.
M28	0 19	27 27	5 14	9 28	1 59	13 47	2 30	0s 3	0 32	23 11	0 15	22 9	0 57	16 13	0 43	23 17	0 28	7 49	8 59	9 0	9 21	0 11		n.a.
T 29	0s 5	24 56	5 10	9 5	2 3	13 44	2 20	0 20	0 31	23 12	0 16	22 9	0 57	16 12	0 43	23 18	0 28	7 50	8 58	8 59	9 19	0 8		n.a.
W30	0s30	21n20	4n52	8n39	2n 6	13n40	2s10	0s38	0n31	23s13	0s16	22n 9	0s57	16n11	0n43	23s18	0n28	7s51	8n58	8n58	9n18	0n 4		n.a.

Julian Day Number = 1549268.5, Delta T = 04h32m02s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'56, Lahiri = -10°27'55 Julian Calendar 1 Sept. 472 BCE == Greg. Calendar 27 Aug. 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

OCTOBER 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 15 47	2♎13'57	26♌36	14♍23	18♌25	3♎26	15♐40	17♊ 0	18♌29	29♐27	14♏35	22°R43	23♈37	3♎55	n.a.	T 1
F 2	0 19 44	3°14'14	8♍33	15°44	19° 9	4° 8	15°48	17° 1	18°32	29°28	14°37	22♈39	23°33	4° 2	n.a.	F 2
S 3	0 23 40	4°14'34	20°24	17° 8	19°54	4°50	15°57	17° 1	18°35	29°28	14°39	22°36	23°30	4° 8	n.a.	S 3
S 4	0 27 37	5°14'55	2♎12	18°35	20°40	5°32	16° 5	17° 1	18°38	29°29	14°40	22°34	23°27	4°15	n.a.	S 4
M 5	0 31 33	6°15'19	14° 0	20° 4	21°27	6°14	16°14	17°R 1	18°40	29°30	14°42	22°33	23°24	4°22	n.a.	M 5
T 6	0 35 30	7°15'44	25°48	21°34	22°15	6°56	16°23	17° 1	18°43	29°30	14°44	22°D33	23°21	4°28	n.a.	T 6
W 7	0 39 26	8°16'11	7♏41	23° 6	23° 4	7°38	16°32	17° 1	18°46	29°31	14°46	22°34	23°17	4°35	n.a.	W 7
T 8	0 43 23	9°16'39	19°39	24°39	23°53	8°21	16°41	17° 0	18°49	29°32	14°48	22°35	23°14	4°42	n.a.	T 8
F 9	0 47 20	10°17'09	1♐47	26°13	24°44	9° 3	16°50	17° 0	18°52	29°32	14°50	22°36	23°11	4°48	n.a.	F 9
S 10	0 51 16	11°17'41	14° 7	27°47	25°35	9°45	16°59	16°59	18°54	29°33	14°52	22°37	23° 8	4°55	n.a.	S 10
S 11	0 55 13	12°18'15	26°43	29°22	26°27	10°28	17° 9	16°59	18°57	29°34	14°54	22°38	23° 5	5° 2	n.a.	S 11
M12	0 59 9	13°18'49	9♑39	0♎58	27°20	11°10	17°18	16°58	18°59	29°35	14°56	22°R38	23° 2	5° 8	n.a.	M12
T 13	1 3 6	14°19'25	22°58	2°34	28°13	11°52	17°28	16°57	19° 2	29°35	14°58	22°38	22°58	5°15	n.a.	T 13
W14	1 7 2	15°20'03	6♒43	4° 9	29° 7	12°35	17°38	16°56	19° 5	29°36	15° 0	22°38	22°55	5°22	n.a.	W14
T 15	1 10 59	16°20'41	20°53	5°45	0♍ 2	13°18	17°48	16°55	19° 7	29°37	15° 2	22°37	22°52	5°28	n.a.	T 15
F 16	1 14 55	17°21'21	5♓28	7°21	0°57	14° 0	17°58	16°54	19° 9	29°38	15° 4	22°36	22°49	5°35	n.a.	F 16
S 17	1 18 52	18°22'02	20°23	8°58	1°53	14°43	18° 8	16°52	19°12	29°39	15° 6	22°36	22°46	5°42	n.a.	S 17
S 18	1 22 49	19°22'45	5♈31	10°33	2°50	15°26	18°18	16°51	19°14	29°40	15° 8	22°36	22°43	5°48	n.a.	S 18
M19	1 26 45	20°23'28	20°44	12° 9	3°47	16° 8	18°29	16°49	19°16	29°41	15°10	22°D35	22°39	5°55	n.a.	M19
T 20	1 30 42	21°24'14	5♉51	13°45	4°45	16°51	18°39	16°48	19°19	29°42	15°13	22°35	22°36	6° 2	n.a.	T 20
W21	1 34 38	22°25'01	20°44	15°21	5°43	17°34	18°50	16°46	19°21	29°44	15°15	22°R35	22°33	6° 8	n.a.	W21
T 22	1 38 35	23°25'49	5♊15	16°56	6°42	18°17	19° 1	16°44	19°23	29°45	15°17	22°35	22°30	6°15	n.a.	T 22
F 23	1 42 31	24°26'39	19°20	18°32	7°41	19° 0	19°12	16°42	19°25	29°46	15°19	22°35	22°27	6°22	n.a.	F 23
S 24	1 46 28	25°27'31	2♋57	20° 7	8°41	19°43	19°22	16°40	19°27	29°47	15°21	22°35	22°23	6°28	n.a.	S 24
S 25	1 50 25	26°28'25	16° 8	21°42	9°41	20°26	19°34	16°38	19°29	29°48	15°23	22°35	22°20	6°35	n.a.	S 25
M26	1 54 21	27°29'20	28°54	23°17	10°42	21° 9	19°45	16°35	19°31	29°50	15°26	22°D35	22°17	6°41	n.a.	M26
T 27	1 58 18	28°30'16	11♌21	24°52	11°43	21°52	19°56	16°33	19°33	29°51	15°28	22°35	22°14	6°48	n.a.	T 27
W28	2 2 14	29°31'14	23°31	26°27	12°45	22°35	20° 7	16°30	19°35	29°52	15°30	22°35	22°11	6°55	n.a.	W28
T 29	2 6 11	0♏32'13	5♍29	28° 1	13°47	23°19	20°19	16°28	19°37	29°53	15°32	22°36	22° 8	7° 1	n.a.	T 29
F 30	2 10 7	1°33'14	17°20	29°36	14°49	24° 2	20°30	16°25	19°39	29°55	15°34	22°37	22° 4	7° 8	n.a.	F 30
S 31	2 14 4	2♏34'15	29♍ 7	1♏11	15♍52	24♎45	20♐42	16♊22	19♌40	29♐56	15♏37	22♈38	22♈ 1	7♎15	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	0s54	16n54	4n22	8n10	2n 7	13n36	2s 1	0s55	0n30	23s14	0s16	22n 9	0s57	16n10	0n43	23s18	0n28	7s51	8n58	8n57	9n17	0n 1			n.a.
F 2	1 18	11 52	3 40	7 39	2 8	13 31	1 52	1 13	0 30	23 15	0 16	22 10	0 57	16 10	0 43	23 18	0 28	7 52	8 57	8 56	9 16	0s 3			n.a.
S 3	1 42	6 26	2 49	7 6	2 8	13 25	1 42	1 30	0 29	23 16	0 16	22 10	0 57	16 9	0 43	23 18	0 28	7 53	8 57	8 54	9 15	0 6			n.a.
S 4	2 7	0 48	1 50	6 31	2 7	13 19	1 34	1 47	0 29	23 17	0 16	22 10	0 57	16 8	0 43	23 18	0 28	7 54	8 57	8 54	9 13	0 9			n.a.
M 5	2 31	4s52	0 47	5 54	2 5	13 12	1 25	2 5	0 28	23 18	0 16	22 10	0 57	16 7	0 43	23 18	0 28	7 55	8 57	8 53	9 12	0 13			n.a.
T 6	2 55	10 23	0s18	5 15	2 2	13 5	1 16	2 22	0 28	23 19	0 16	22 10	0 57	16 6	0 44	23 18	0 28	7 55	8 56	8 53	9 11	0 16			n.a.
W 7	3 19	15 33	1 23	4 36	2 0	12 57	1 8	2 39	0 27	23 20	0 16	22 9	0 57	16 5	0 44	23 18	0 27	7 56	8 56	8 53	9 10	0 20			n.a.
T 8	3 43	20 12	2 25	3 56	1 56	12 48	1 0	2 57	0 26	23 21	0 16	22 9	0 57	16 4	0 44	23 18	0 27	7 57	8 56	8 54	9 9	0 23			n.a.
F 9	4 7	24 4	3 21	3 14	1 52	12 39	0 51	3 14	0 26	23 22	0 16	22 9	0 57	16 3	0 44	23 18	0 27	7 58	8 56	8 54	9 8	0 27			n.a.
S 10	4 32	26 55	4 9	2 32	1 48	12 29	0 44	3 32	0 25	23 23	0 16	22 9	0 57	16 3	0 44	23 18	0 27	7 59	8 55	8 55	9 6	0 30			n.a.
S 11	4 55	28 29	4 46	1 50	1 43	12 18	0 36	3 49	0 25	23 24	0 16	22 9	0 57	16 2	0 44	23 18	0 27	8 0	8 55	8 55	9 5	0 34			n.a.
M12	5 19	28 33	5 10	1 7	1 38	12 7	0 28	4 6	0 24	23 25	0 17	22 9	0 57	16 1	0 44	23 18	0 27	8 0	8 55	8 55	9 4	0 37			n.a.
T 13	5 43	26 59	5 18	0 23	1 33	11 55	0 21	4 24	0 24	23 26	0 17	22 9	0 57	16 0	0 44	23 18	0 27	8 1	8 55	8 55	9 3	0 40			n.a.
W14	6 7	23 48	5 8	0s20	1 28	11 43	0 14	4 41	0 23	23 27	0 17	22 9	0 57	16 0	0 44	23 18	0 27	8 2	8 54	8 55	9 2	0 44			n.a.
T 15	6 31	19 8	4 40	1 4	1 22	11 30	0 7	4 58	0 22	23 28	0 17	22 9	0 57	15 59	0 44	23 18	0 27	8 3	8 54	8 55	9 0	0 47			n.a.
F 16	6 54	13 14	3 53	1 48	1 16	11 17	0n 0	5 16	0 22	23 29	0 17	22 9	0 57	15 58	0 44	23 18	0 27	8 4	8 54	8 54	8 59	0 51			n.a.
S 17	7 18	6 27	2 50	2 32	1 10	11 3	0 7	5 33	0 21	23 30	0 17	22 9	0 57	15 57	0 44	23 18	0 27	8 4	8 54	8 54	8 58	0 54			n.a.
S 18	7 41	0n48	1 34	3 15	1 4	10 49	0 14	5 50	0 21	23 31	0 17	22 9	0 57	15 57	0 44	23 18	0 27	8 5	8 53	8 54	8 57	0 58			n.a.
M19	8 4	8 2	0 10	3 59	0 57	10 34	0 20	6 7	0 20	23 32	0 17	22 8	0 57	15 56	0 44	23 18	0 27	8 6	8 53	8 54	8 56	1 1			n.a.
T 20	8 27	14 48	1n13	4 43	0 51	10 18	0 26	6 24	0 19	23 33	0 17	22 8	0 57	15 55	0 44	23 18	0 27	8 7	8 53	8 54	8 54	1 5			n.a.
W21	8 50	20 35	2 30	5 26	0 45	10 2	0 32	6 42	0 19	23 34	0 17	22 8	0 57	15 55	0 44	23 18	0 27	8 8	8 53	8 54	8 53	1 8			n.a.
T 22	9 13	25 0	3 36	6 9	0 38	9 46	0 38	6 59	0 18	23 35	0 17	22 8	0 57	15 54	0 44	23 18	0 27	8 8	8 53	8 54	8 52	1 11			n.a.
F 23	9 36	27 44	4 26	6 52	0 31	9 29	0 44	7 16	0 18	23 36	0 17	22 8	0 57	15 53	0 44	23 18	0 27	8 9	8 52	8 54	8 51	1 15			n.a.
S 24	9 58	28 43	5 0	7 35	0 25	9 11	0 50	7 33	0 17	23 37	0 17	22 7	0 57	15 53	0 44	23 18	0 27	8 10	8 52	8 54	8 50	1 18			n.a.
S 25	10 21	27 59	5 16	8 17	0 18	8 53	0 55	7 50	0 16	23 38	0 18	22 7	0 57	15 52	0 44	23 18	0 27	8 11	8 52	8 54	8 48	1 22			n.a.
M26	10 43	25 48	5 16	8 59	0 12	8 35	1 0	8 7	0 16	23 39	0 18	22 7	0 57	15 52	0 44	23 18	0 27	8 12	8 52	8 54	8 47	1 25			n.a.
T 27	11 5	22 25	5 1	9 41	0 5	8 16	1 5	8 24	0 15	23 40	0 18	22 7	0 57	15 51	0 44	23 18	0 27	8 12	8 52	8 54	8 46	1 29			n.a.
W28	11 27	18 9	4 33	10 22	0s 2	7 56	1 10	8 40	0 15	23 41	0 18	22 7	0 57	15 50	0 44	23 18	0 27	8 13	8 51	8 54	8 45	1 32			n.a.
T 29	11 49	13 14	3 53	11 2	0 8	7 37	1 15	8 57	0 14	23 42	0 18	22 6	0 57	15 50	0 44	23 18	0 27	8 14	8 51	8 54	8 44	1 35			n.a.
F 30	12 10	7 53	3 4	11 42	0 15	7 16	1 19	9 14	0 13	23 42	0 18	22 6	0 57	15 49	0 44	23 18	0 27	8 15	8 51	8 55	8 42	1 39			n.a.
S 31	12s31	2n17	2n 7	12s22	0s21	6n56	1n24	9s31	0n13	23s43	0s18	22n 6	0s57	15n49	0n44	23s18	0n27	8s15	8n51	8n55	8n41	1s42			n.a.

Julian Day Number = 1549298.5, Delta T = 04h32m00s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'51, Lahiri = -10°27'51 Julian Calendar 1 Oct. 472 BCE == Greg. Calendar 26 Sept. 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

NOVEMBER 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 18 0	3♏35'18	10♎55	2♏45	16♍55	25♎29	20♐53	16°R19	19♌42	29♐58	15♏39	22♈39	21♈58	7♎21	n.a.	S 1
M 2	2 21 57	4°36'23	22°44	4°19	17°59	26°12	21° 5	16♊16	19°44	29°59	15°41	22°R39	21°55	7°28	n.a.	M 2
T 3	2 25 53	5°37'28	4♏39	5°54	19° 3	26°55	21°17	16°13	19°45	0♑ 1	15°43	22°39	21°52	7°35	n.a.	T 3
W 4	2 29 50	6°38'34	16°41	7°28	20° 7	27°39	21°29	16°10	19°47	0° 2	15°46	22°38	21°49	7°41	n.a.	W 4
T 5	2 33 47	7°39'41	28°51	9° 2	21°11	28°23	21°41	16° 7	19°48	0° 4	15°48	22°36	21°45	7°48	n.a.	T 5
F 6	2 37 43	8°40'50	11♐12	10°37	22°16	29° 6	21°53	16° 4	19°50	0° 5	15°50	22°33	21°42	7°55	n.a.	F 6
S 7	2 41 40	9°41'58	23°44	12°11	23°21	29°50	22° 5	16° 0	19°51	0° 7	15°52	22°31	21°39	8° 1	n.a.	S 7
S 8	2 45 36	10°43'08	6♑30	13°46	24°26	0♏34	22°18	15°57	19°52	0° 8	15°55	22°28	21°36	8° 8	n.a.	S 8
M 9	2 49 33	11°44'18	19°31	15°20	25°32	1°17	22°30	15°53	19°53	0°10	15°57	22°26	21°33	8°15	n.a.	M 9
T 10	2 53 29	12°45'28	2♒49	16°55	26°38	2° 1	22°43	15°49	19°55	0°12	15°59	22°25	21°29	8°21	n.a.	T 10
W11	2 57 26	13°46'39	16°25	18°29	27°44	2°45	22°55	15°46	19°56	0°13	16° 2	22°D24	21°26	8°28	n.a.	W11
T 12	3 1 23	14°47'50	0♓21	20° 4	28°50	3°29	23° 8	15°42	19°57	0°15	16° 4	22°25	21°23	8°35	n.a.	T 12
F 13	3 5 19	15°49'02	14°36	21°39	29°57	4°13	23°20	15°38	19°58	0°17	16° 6	22°26	21°20	8°41	n.a.	F 13
S 14	3 9 16	16°50'13	29° 8	23°14	1♎ 4	4°57	23°33	15°34	19°59	0°19	16° 8	22°28	21°17	8°48	n.a.	S 14
S 15	3 13 12	17°51'25	13♈54	24°49	2°11	5°41	23°46	15°30	20° 0	0°20	16°11	22°29	21°14	8°54	n.a.	S 15
M16	3 17 9	18°52'38	28°49	26°24	3°19	6°25	23°59	15°26	20° 1	0°22	16°13	22°R29	21°10	9° 1	n.a.	M16
T 17	3 21 5	19°53'50	13♉44	27°59	4°26	7° 9	24°11	15°21	20° 1	0°24	16°15	22°28	21° 7	9° 8	n.a.	T 17
W18	3 25 2	20°55'04	28°32	29°35	5°34	7°53	24°24	15°17	20° 2	0°26	16°17	22°25	21° 4	9°14	n.a.	W18
T 19	3 28 58	21°56'17	13♊ 4	1♐10	6°42	8°37	24°37	15°13	20° 3	0°28	16°20	22°21	21° 1	9°21	n.a.	T 19
F 20	3 32 55	22°57'32	27°15	2°46	7°50	9°22	24°51	15° 8	20° 4	0°30	16°22	22°16	20°58	9°28	n.a.	F 20
S 21	3 36 52	23°58'46	11♋ 1	4°21	8°58	10° 6	25° 4	15° 4	20° 4	0°32	16°24	22°11	20°55	9°34	n.a.	S 21
S 22	3 40 48	25° 0'01	24°19	5°57	10° 7	10°50	25°17	15° 0	20° 5	0°34	16°27	22° 7	20°51	9°41	n.a.	S 22
M23	3 44 45	26° 1'17	7♌13	7°33	11°16	11°35	25°30	14°55	20° 5	0°35	16°29	22° 4	20°48	9°48	n.a.	M23
T 24	3 48 41	27° 2'33	19°43	9° 8	12°25	12°19	25°43	14°50	20° 6	0°37	16°31	22° 2	20°45	9°54	n.a.	T 24
W25	3 52 38	28° 3'50	1♍54	10°44	13°34	13° 4	25°57	14°46	20° 6	0°39	16°33	22°D 2	20°42	10° 1	n.a.	W25
T 26	3 56 34	29° 5'06	13°53	12°19	14°43	13°48	26°10	14°41	20° 6	0°41	16°36	22° 3	20°39	10° 8	n.a.	T 26
F 27	4 0 31	0♐ 6'23	25°42	13°54	15°53	14°33	26°24	14°36	20° 6	0°43	16°38	22° 4	20°35	10°14	n.a.	F 27
S 28	4 4 28	1° 7'41	7♎29	15°28	17° 2	15°17	26°37	14°32	20° 7	0°45	16°40	22° 6	20°32	10°21	n.a.	S 28
S 29	4 8 24	2° 8'58	19°17	17° 2	18°12	16° 2	26°51	14°27	20° 7	0°47	16°42	22°R 7	20°29	10°28	n.a.	S 29
M30	4 12 21	3♐10'16	1♏10	18♐35	19♎22	16♏47	27♐ 4	14♊22	20♌ 7	0♑50	16♏44	22♈ 6	20♈26	10♎34	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s53	3s23	1n 5	13s 1	0s28	6n35	1n28	9s47	0n12	23s44	0s18	22n 6	0s57	15n48	0n45	23s18	0n27	8s16	8n51	8n55	8n40	1s46		n.a.
M 2	13 13	8 58	0s 0	13 40	0 34	6 14	1 32	10 4	0 12	23 45	0 18	22 5	0 57	15 48	0 45	23 18	0 27	8 17	8 51	8 56	8 39	1 49		n.a.
T 3	13 34	14 17	1 6	14 17	0 40	5 52	1 36	10 20	0 11	23 46	0 18	22 5	0 57	15 47	0 45	23 19	0 27	8 18	8 50	8 55	8 38	1 53		n.a.
W 4	13 55	19 6	2 9	14 55	0 46	5 30	1 40	10 37	0 10	23 47	0 18	22 5	0 57	15 47	0 45	23 19	0 27	8 19	8 50	8 55	8 36	1 56		n.a.
T 5	14 15	23 13	3 7	15 31	0 52	5 7	1 44	10 53	0 10	23 48	0 18	22 4	0 57	15 47	0 45	23 19	0 27	8 19	8 50	8 54	8 35	2 0		n.a.
F 6	14 35	26 20	3 57	16 7	0 58	4 45	1 47	11 9	0 9	23 49	0 18	22 4	0 57	15 46	0 45	23 19	0 27	8 20	8 50	8 53	8 34	2 3		n.a.
S 7	14 55	28 13	4 37	16 42	1 4	4 22	1 51	11 26	0 8	23 49	0 19	22 4	0 57	15 46	0 45	23 19	0 27	8 21	8 50	8 52	8 33	2 6		n.a.
S 8	15 14	28 39	5 4	17 17	1 10	3 58	1 54	11 42	0 8	23 50	0 19	22 3	0 57	15 45	0 45	23 19	0 27	8 22	8 50	8 51	8 32	2 10		n.a.
M 9	15 33	27 31	5 15	17 51	1 15	3 35	1 57	11 58	0 7	23 51	0 19	22 3	0 57	15 45	0 45	23 19	0 27	8 22	8 50	8 51	8 30	2 13		n.a.
T 10	15 52	24 49	5 10	18 23	1 20	3 11	2 0	12 14	0 7	23 52	0 19	22 3	0 57	15 45	0 45	23 19	0 27	8 23	8 50	8 50	8 29	2 17		n.a.
W11	16 11	20 42	4 48	18 55	1 25	2 47	2 2	12 30	0 6	23 53	0 19	22 2	0 57	15 44	0 45	23 19	0 27	8 24	8 49	8 50	8 28	2 20		n.a.
T 12	16 29	15 22	4 9	19 26	1 30	2 22	2 5	12 45	0 5	23 53	0 19	22 2	0 57	15 44	0 45	23 19	0 27	8 25	8 49	8 50	8 27	2 24		n.a.
F 13	16 47	9 7	3 14	19 57	1 35	1 58	2 7	13 1	0 5	23 54	0 19	22 2	0 57	15 44	0 45	23 19	0 27	8 25	8 49	8 51	8 26	2 27		n.a.
S 14	17 5	2 15	2 5	20 26	1 39	1 33	2 10	13 17	0 4	23 55	0 19	22 1	0 57	15 43	0 45	23 19	0 27	8 26	8 49	8 51	8 24	2 31		n.a.
S 15	17 23	4n50	0 47	20 54	1 44	1 8	2 12	13 32	0 3	23 55	0 19	22 1	0 57	15 43	0 45	23 19	0 26	8 27	8 49	8 52	8 23	2 34		n.a.
M16	17 40	11 44	0n35	21 21	1 48	0 43	2 14	13 48	0 3	23 56	0 19	22 0	0 57	15 43	0 45	23 19	0 26	8 27	8 49	8 52	8 22	2 37		n.a.
T 17	17 57	17 59	1 54	21 47	1 51	0 17	2 16	14 3	0 2	23 57	0 19	22 0	0 57	15 43	0 45	23 19	0 26	8 28	8 49	8 51	8 21	2 41		n.a.
W18	18 13	23 6	3 5	22 12	1 55	0s 8	2 18	14 18	0 1	23 57	0 19	22 0	0 57	15 43	0 45	23 19	0 26	8 29	8 49	8 50	8 20	2 44		n.a.
T 19	18 29	26 41	4 3	22 35	1 58	0 34	2 19	14 33	0 1	23 58	0 19	21 59	0 56	15 42	0 45	23 19	0 26	8 30	8 49	8 49	8 18	2 48		n.a.
F 20	18 45	28 27	4 44	22 58	2 1	1 0	2 21	14 48	0 0	23 59	0 20	21 59	0 56	15 42	0 45	23 19	0 26	8 30	8 49	8 47	8 17	2 51		n.a.
S 21	19 1	28 23	5 7	23 19	2 3	1 26	2 22	15 3	0s 1	23 59	0 20	21 58	0 56	15 42	0 45	23 19	0 26	8 31	8 49	8 45	8 16	2 55		n.a.
S 22	19 16	26 39	5 12	23 39	2 6	1 52	2 23	15 18	0 1	24 0	0 20	21 58	0 56	15 42	0 45	23 19	0 26	8 32	8 49	8 43	8 15	2 58		n.a.
M23	19 31	23 34	5 2	23 57	2 7	2 18	2 24	15 32	0 2	24 0	0 20	21 57	0 56	15 42	0 45	23 19	0 26	8 32	8 49	8 42	8 13	3 2		n.a.
T 24	19 45	19 28	4 37	24 14	2 9	2 45	2 25	15 47	0 3	24 1	0 20	21 57	0 56	15 42	0 46	23 19	0 26	8 33	8 49	8 41	8 12	3 5		n.a.
W25	19 59	14 40	4 0	24 29	2 9	3 11	2 26	16 1	0 3	24 1	0 20	21 57	0 56	15 42	0 46	23 19	0 26	8 34	8 49	8 41	8 11	3 8		n.a.
T 26	20 13	9 24	3 14	24 43	2 10	3 37	2 27	16 15	0 4	24 2	0 20	21 56	0 56	15 42	0 46	23 19	0 26	8 34	8 48	8 42	8 10	3 12		n.a.
F 27	20 26	3 51	2 19	24 55	2 10	4 4	2 27	16 29	0 5	24 2	0 20	21 56	0 56	15 42	0 46	23 19	0 26	8 35	8 48	8 42	8 9	3 15		n.a.
S 28	20 39	1s48	1 19	25 5	2 9	4 30	2 28	16 43	0 5	24 3	0 20	21 55	0 56	15 42	0 46	23 19	0 26	8 36	8 48	8 43	8 7	3 19		n.a.
S 29	20 52	7 24	0 15	25 14	2 8	4 57	2 28	16 57	0 6	24 3	0 20	21 55	0 56	15 42	0 46	23 19	0 26	8 36	8 48	8 43	8 6	3 22		n.a.
M30	21s 4	12s48	0s49	25s21	2s 6	5s24	2n28	17s11	0s 7	24s 4	0s20	21n54	0s56	15n42	0n46	23s19	0n26	8s37	8n48	8n43	8n 5	3s26		n.a.

Julian Day Number = 1549329.5, Delta T = 04h31m59s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'47, Lahiri = -10°27'47 Julian Calendar 1 Nov. 472 BCE == Greg. Calendar 27 Oct. 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 472 BCE
geocentric

DECEMBER 472 BCE (-471) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 16 17	4♐11'34	13♏12	20♐ 7	20♎32	17♏31	27♐18	14°R17	20°R 7	0♑52	16♏47	22°R 4	20♈23	10♎41	n.a.	T 1
W 2	4 20 14	5°12'51	25°26	21°38	21°42	18°16	27°32	14♊12	20♌ 7	0°54	16°49	22♈ 0	20°20	10°47	n.a.	W 2
T 3	4 24 10	6°14'09	7♐52	23° 8	22°52	19° 1	27°45	14° 7	20° 7	0°56	16°51	21°53	20°16	10°54	n.a.	T 3
F 4	4 28 7	7°15'27	20°32	24°36	24° 3	19°46	27°59	14° 2	20° 7	0°58	16°53	21°45	20°13	11° 1	n.a.	F 4
S 5	4 32 3	8°16'44	3♑24	26° 1	25°13	20°31	28°13	13°58	20° 6	1° 0	16°55	21°36	20°10	11° 7	n.a.	S 5
S 6	4 36 0	9°18'01	16°30	27°25	26°24	21°16	28°27	13°53	20° 6	1° 2	16°58	21°27	20° 7	11°14	n.a.	S 6
M 7	4 39 57	10°19'17	29°48	28°45	27°34	22° 1	28°41	13°48	20° 6	1° 4	17° 0	21°20	20° 4	11°21	n.a.	M 7
T 8	4 43 53	11°20'33	13♒17	0♑ 1	28°45	22°46	28°55	13°43	20° 5	1° 7	17° 2	21°14	20° 1	11°27	n.a.	T 8
W 9	4 47 50	12°21'48	26°58	1°14	29°56	23°31	29° 8	13°38	20° 5	1° 9	17° 4	21°11	19°57	11°34	n.a.	W 9
T 10	4 51 46	13°23'02	10♓49	2°21	1♏ 7	24°16	29°22	13°33	20° 4	1°11	17° 6	21°D10	19°54	11°41	n.a.	T 10
F 11	4 55 43	14°24'15	24°51	3°23	2°18	25° 1	29°36	13°28	20° 4	1°13	17° 8	21°10	19°51	11°47	n.a.	F 11
S 12	4 59 39	15°25'27	9♈ 3	4°19	3°29	25°46	29°50	13°23	20° 3	1°15	17°10	21°11	19°48	11°54	n.a.	S 12
S 13	5 3 36	16°26'39	23°24	5° 7	4°41	26°31	0♑ 4	13°18	20° 3	1°17	17°12	21°R11	19°45	12° 1	n.a.	S 13
M14	5 7 32	17°27'50	7♉51	5°46	5°52	27°16	0°18	13°13	20° 2	1°20	17°14	21°10	19°41	12° 7	n.a.	M14
T 15	5 11 29	18°29'00	22°21	6°17	7° 3	28° 2	0°33	13° 8	20° 1	1°22	17°16	21° 7	19°38	12°14	n.a.	T 15
W16	5 15 26	19°30'09	6♊47	6°38	8°15	28°47	0°47	13° 3	20° 0	1°24	17°18	21° 0	19°35	12°21	n.a.	W16
T 17	5 19 22	20°31'17	21° 3	6°R48	9°27	29°32	1° 1	12°58	19°59	1°26	17°20	20°52	19°32	12°27	n.a.	T 17
F 18	5 23 19	21°32'25	5♋ 5	6°47	10°38	0♐18	1°15	12°53	19°58	1°29	17°22	20°41	19°29	12°34	n.a.	F 18
S 19	5 27 15	22°33'32	18°46	6°34	11°50	1° 3	1°29	12°48	19°58	1°31	17°24	20°30	19°26	12°41	n.a.	S 19
S 20	5 31 12	23°34'38	2♌ 5	6°10	13° 2	1°49	1°43	12°43	19°56	1°33	17°26	20°20	19°22	12°47	n.a.	S 20
M21	5 35 8	24°35'43	15° 0	5°34	14°14	2°34	1°57	12°38	19°55	1°35	17°28	20°12	19°19	12°54	n.a.	M21
T 22	5 39 5	25°36'48	27°34	4°48	15°26	3°20	2°12	12°34	19°54	1°38	17°30	20° 5	19°16	13° 0	n.a.	T 22
W23	5 43 2	26°37'52	9♍48	3°52	16°38	4° 5	2°26	12°29	19°53	1°40	17°32	20° 1	19°13	13° 7	n.a.	W23
T 24	5 46 58	27°38'55	21°48	2°49	17°50	4°51	2°40	12°24	19°52	1°42	17°34	20° 0	19°10	13°14	n.a.	T 24
F 25	5 50 55	28°39'58	3♎39	1°39	19° 2	5°36	2°54	12°20	19°51	1°45	17°36	20°D 0	19° 6	13°20	n.a.	F 25
S 26	5 54 51	29°40'59	15°26	0°26	20°14	6°22	3° 9	12°15	19°49	1°47	17°38	20°R 0	19° 3	13°27	n.a.	S 26
S 27	5 58 48	0♑42'00	27°15	29♐10	21°27	7° 8	3°23	12°10	19°48	1°49	17°39	20° 0	19° 0	13°34	n.a.	S 27
M28	6 2 44	1°43'00	9♏11	27°56	22°39	7°53	3°37	12° 6	19°46	1°51	17°41	19°58	18°57	13°40	n.a.	M28
T 29	6 6 41	2°43'59	21°19	26°43	23°51	8°39	3°51	12° 1	19°45	1°54	17°43	19°54	18°54	13°47	n.a.	T 29
W30	6 10 37	3°44'57	3♐42	25°36	25° 4	9°25	4° 6	11°57	19°43	1°56	17°45	19°47	18°51	13°54	n.a.	W30
T 31	6 14 34	4♑45'54	16♐22	24♐34	26♏16	10♐11	4♑20	11♊52	19♌42	1♑58	17♏46	19♈37	18♈47	14♎ 0	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s16	17s47	1s52	25s26	2s 4	5s50	2n28	17s24	0s 7	24s 4	0s20	21n54	0s56	15n42	0n46	23s19	0n26	8s37	8n48	8n42	8n 4	3s29			n.a.
W 2	21 27	22 8	2 51	25 30	2 1	6 17	2 28	17 37	0 8	24 4	0 21	21 53	0 56	15 42	0 46	23 19	0 26	8 38	8 48	8 41	8 3	3 32			n.a.
T 3	21 38	25 34	3 42	25 31	1 57	6 43	2 28	17 51	0 9	24 5	0 21	21 53	0 55	15 42	0 46	23 19	0 26	8 39	8 48	8 38	8 1	3 36			n.a.
F 4	21 48	27 47	4 23	25 30	1 52	7 9	2 28	18 4	0 9	24 5	0 21	21 52	0 55	15 42	0 46	23 19	0 26	8 39	8 48	8 35	8 0	3 39			n.a.
S 5	21 59	28 35	4 52	25 28	1 46	7 36	2 28	18 16	0 10	24 5	0 21	21 52	0 55	15 42	0 46	23 19	0 26	8 40	8 48	8 32	7 59	3 43			n.a.
S 6	22 8	27 47	5 6	25 24	1 40	8 2	2 27	18 29	0 11	24 6	0 21	21 51	0 55	15 42	0 46	23 19	0 26	8 40	8 48	8 28	7 58	3 46			n.a.
M 7	22 17	25 24	5 4	25 18	1 33	8 28	2 26	18 42	0 11	24 6	0 21	21 51	0 55	15 42	0 46	23 19	0 26	8 41	8 48	8 26	7 57	3 50			n.a.
T 8	22 26	21 36	4 45	25 10	1 24	8 54	2 26	18 54	0 12	24 6	0 21	21 50	0 55	15 42	0 46	23 19	0 26	8 42	8 48	8 23	7 55	3 53			n.a.
W 9	22 34	16 35	4 10	25 0	1 15	9 20	2 25	19 6	0 13	24 6	0 21	21 50	0 55	15 43	0 46	23 19	0 26	8 42	8 48	8 22	7 54	3 57			n.a.
T 10	22 42	10 40	3 20	24 49	1 5	9 46	2 24	19 18	0 13	24 6	0 21	21 49	0 55	15 43	0 46	23 19	0 26	8 43	8 48	8 22	7 53	4 0			n.a.
F 11	22 50	4 10	2 17	24 36	0 53	10 12	2 23	19 30	0 14	24 7	0 21	21 49	0 55	15 43	0 46	23 19	0 26	8 43	8 49	8 22	7 52	4 3			n.a.
S 12	22 57	2n39	1 5	24 21	0 40	10 37	2 22	19 42	0 15	24 7	0 21	21 48	0 55	15 43	0 46	23 19	0 26	8 44	8 49	8 22	7 50	4 7			n.a.
S 13	23 3	9 23	0n12	24 6	0 27	11 2	2 21	19 53	0 15	24 7	0 22	21 48	0 54	15 44	0 46	23 19	0 26	8 44	8 49	8 22	7 49	4 10			n.a.
M14	23 9	15 42	1 28	23 49	0 12	11 28	2 20	20 4	0 16	24 7	0 22	21 47	0 54	15 44	0 46	23 19	0 26	8 45	8 49	8 22	7 48	4 14			n.a.
T 15	23 15	21 9	2 39	23 32	0n 4	11 52	2 18	20 15	0 17	24 7	0 22	21 47	0 54	15 44	0 46	23 19	0 26	8 45	8 49	8 20	7 47	4 17			n.a.
W16	23 20	25 19	3 39	23 14	0 21	12 17	2 17	20 26	0 18	24 7	0 22	21 46	0 54	15 44	0 47	23 19	0 26	8 46	8 49	8 18	7 46	4 21			n.a.
T 17	23 25	27 51	4 24	22 56	0 39	12 42	2 15	20 37	0 18	24 7	0 22	21 46	0 54	15 45	0 47	23 19	0 26	8 46	8 49	8 15	7 44	4 24			n.a.
F 18	23 29	28 32	4 53	22 37	0 57	13 6	2 14	20 47	0 19	24 7	0 22	21 45	0 54	15 45	0 47	23 19	0 26	8 47	8 49	8 11	7 43	4 27			n.a.
S 19	23 33	27 26	5 4	22 19	1 16	13 30	2 12	20 58	0 20	24 7	0 22	21 45	0 54	15 45	0 47	23 19	0 26	8 47	8 49	8 7	7 42	4 31			n.a.
S 20	23 36	24 47	4 58	22 1	1 35	13 53	2 10	21 8	0 20	24 7	0 22	21 44	0 54	15 46	0 47	23 19	0 26	8 48	8 49	8 3	7 41	4 34			n.a.
M21	23 39	20 56	4 36	21 44	1 54	14 17	2 8	21 17	0 21	24 7	0 22	21 44	0 53	15 46	0 47	23 19	0 26	8 48	8 49	8 0	7 40	4 38			n.a.
T 22	23 41	16 15	4 2	21 28	2 12	14 40	2 6	21 27	0 22	24 7	0 22	21 43	0 53	15 47	0 47	23 19	0 26	8 49	8 49	7 57	7 38	4 41			n.a.
W23	23 43	11 2	3 17	21 12	2 30	15 3	2 4	21 37	0 22	24 6	0 22	21 43	0 53	15 47	0 47	23 19	0 26	8 49	8 49	7 56	7 37	4 45			n.a.
T 24	23 44	5 30	2 24	20 58	2 46	15 25	2 2	21 46	0 23	24 6	0 23	21 42	0 53	15 47	0 47	23 19	0 26	8 49	8 49	7 55	7 36	4 48			n.a.
F 25	23 45	0s 9	1 26	20 45	3 0	15 47	2 0	21 55	0 24	24 6	0 23	21 42	0 53	15 48	0 47	23 19	0 26	8 50	8 49	7 55	7 35	4 51			n.a.
S 26	23 45	5 47	0 24	20 33	3 12	16 9	1 58	22 3	0 24	24 6	0 23	21 41	0 53	15 48	0 47	23 19	0 26	8 50	8 50	7 55	7 33	4 55			n.a.
S 27	23 45	11 14	0s39	20 23	3 22	16 30	1 56	22 12	0 25	24 6	0 23	21 41	0 53	15 49	0 47	23 19	0 26	8 51	8 50	7 55	7 32	4 58			n.a.
M28	23 45	16 20	1 40	20 14	3 30	16 51	1 53	22 20	0 26	24 5	0 23	21 40	0 52	15 49	0 47	23 19	0 26	8 51	8 50	7 54	7 31	5 2			n.a.
T 29	23 44	20 52	2 38	20 8	3 35	17 12	1 51	22 28	0 27	24 5	0 23	21 40	0 52	15 50	0 47	23 19	0 26	8 51	8 50	7 53	7 30	5 5			n.a.
W30	23 42	24 36	3 30	20 3	3 38	17 32	1 48	22 36	0 27	24 5	0 23	21 39	0 52	15 50	0 47	23 19	0 26	8 52	8 50	7 50	7 29	5 8			n.a.
T 31	23s40	27s14	4s12	20s 0	3n39	17s52	1n46	22s44	0s28	24s 4	0s23	21n39	0s52	15n51	0n47	23s19	0n26	8s52	8n50	7n46	7n27	5s12			n.a.

Julian Day Number = 1549359.5, Delta T = 04h31m58s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'43, Lahiri = -10°27'43 Julian Calendar 1 Dec. 472 BCE == Greg. Calendar 26 Nov. 472 BCE

The year -471 astronomical counting style corresponds to year 472 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

JANUARY 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 18 31	5♑46'50	29♐20	23°R39	27♏29	10♐57	4♑34	11°R48	19°R40	2♑ 0	17♏48	19°R25	18♈44	14♎ 7	n.a.	F 1
S 2	6 22 27	6°47'45	12♑36	22♐52	28°41	11°42	4°49	11♊44	19♌39	2° 3	17°50	19♈12	18°41	14°14	n.a.	S 2
S 3	6 26 24	7°48'38	26° 7	22°13	29°54	12°28	5° 3	11°40	19°37	2° 5	17°51	18°59	18°38	14°20	n.a.	S 3
M 4	6 30 20	8°49'30	9♒51	21°43	1♐ 6	13°14	5°17	11°35	19°35	2° 7	17°53	18°48	18°35	14°27	n.a.	M 4
T 5	6 34 17	9°50'20	23°43	21°21	2°19	14° 0	5°31	11°31	19°33	2°10	17°55	18°39	18°32	14°34	n.a.	T 5
W 6	6 38 13	10°51'08	7♓41	21° 7	3°32	14°46	5°46	11°27	19°32	2°12	17°56	18°33	18°28	14°40	n.a.	W 6
T 7	6 42 10	11°51'55	21°43	21°D 1	4°45	15°32	6° 0	11°23	19°30	2°14	17°58	18°29	18°25	14°47	n.a.	T 7
F 8	6 46 7	12°52'40	5♈47	21° 3	5°57	16°18	6°14	11°19	19°28	2°16	17°59	18°28	18°22	14°53	n.a.	F 8
S 9	6 50 3	13°53'23	19°51	21°11	7°10	17° 4	6°28	11°16	19°26	2°19	18° 1	18°28	18°19	15° 0	n.a.	S 9
S 10	6 54 0	14°54'05	3♉56	21°26	8°23	17°50	6°42	11°12	19°24	2°21	18° 2	18°28	18°16	15° 7	n.a.	S 10
M11	6 57 56	15°54'44	18° 1	21°48	9°36	18°36	6°57	11° 8	19°22	2°23	18° 4	18°26	18°12	15°13	n.a.	M11
T 12	7 1 53	16°55'22	2♊ 3	22°14	10°49	19°22	7°11	11° 5	19°20	2°25	18° 5	18°21	18° 9	15°20	n.a.	T 12
W13	7 5 49	17°55'58	16° 2	22°46	12° 1	20° 9	7°25	11° 1	19°18	2°27	18° 6	18°13	18° 6	15°27	n.a.	W13
T 14	7 9 46	18°56'32	29°52	23°23	13°14	20°55	7°39	10°58	19°16	2°30	18° 8	18° 2	18° 3	15°33	n.a.	T 14
F 15	7 13 42	19°57'04	13♋31	24° 4	14°27	21°41	7°53	10°55	19°14	2°32	18° 9	17°50	18° 0	15°40	n.a.	F 15
S 16	7 17 39	20°57'35	26°55	24°49	15°40	22°27	8° 7	10°51	19°11	2°34	18°10	17°36	17°57	15°47	n.a.	S 16
S 17	7 21 36	21°58'04	10♌ 2	25°37	16°53	23°13	8°21	10°48	19° 9	2°36	18°12	17°23	17°53	15°53	n.a.	S 17
M18	7 25 32	22°58'31	22°50	26°30	18° 6	24° 0	8°35	10°45	19° 7	2°38	18°13	17°12	17°50	16° 0	n.a.	M18
T 19	7 29 29	23°58'56	5♍20	27°25	19°19	24°46	8°50	10°42	19° 5	2°41	18°14	17° 4	17°47	16° 7	n.a.	T 19
W20	7 33 25	24°59'20	17°33	28°23	20°32	25°32	9° 4	10°39	19° 2	2°43	18°15	16°58	17°44	16°13	n.a.	W20
T 21	7 37 22	25°59'42	29°33	29°24	21°45	26°18	9°18	10°37	19° 0	2°45	18°16	16°55	17°41	16°20	n.a.	T 21
F 22	7 41 18	27° 0'03	11♎25	0♑28	22°58	27° 5	9°31	10°34	18°58	2°47	18°18	16°54	17°38	16°26	n.a.	F 22
S 23	7 45 15	28° 0'22	23°13	1°33	24°12	27°51	9°45	10°31	18°55	2°49	18°19	16°54	17°34	16°33	n.a.	S 23
S 24	7 49 11	29° 0'39	5♏ 2	2°41	25°25	28°37	9°59	10°29	18°53	2°51	18°20	16°54	17°31	16°40	n.a.	S 24
M25	7 53 8	0♒ 0'55	16°59	3°51	26°38	29°24	10°13	10°27	18°51	2°53	18°21	16°52	17°28	16°46	n.a.	M25
T 26	7 57 5	1° 1'09	29° 8	5° 3	27°51	0♑10	10°27	10°24	18°48	2°55	18°22	16°49	17°25	16°53	n.a.	T 26
W27	8 1 1	2° 1'22	11♐35	6°17	29° 4	0°57	10°41	10°22	18°46	2°57	18°23	16°43	17°22	17° 0	n.a.	W27
T 28	8 4 58	3° 1'33	24°23	7°33	0♑17	1°43	10°55	10°20	18°43	2°59	18°24	16°35	17°18	17° 6	n.a.	T 28
F 29	8 8 54	4° 1'42	7♑33	8°50	1°31	2°29	11° 8	10°18	18°41	3° 1	18°25	16°24	17°15	17°13	n.a.	F 29
S 30	8 12 51	5° 1'50	21° 6	10° 9	2°44	3°16	11°22	10°16	18°38	3° 4	18°25	16°12	17°12	17°20	n.a.	S 30
S 31	8 16 47	6♒ 1'55	4♒59	11♑29	3♑57	4♑ 2	11♑36	10♊15	18♌36	3♑ 6	18♏26	16♈ 1	17♈ 9	17♎26	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s38	28s28	4s43	19s59	3n37	18s11	1n43	22s51	0s29	24s 4	0s23	21n39	0s52	15n51	0n47	23s19	0n26	8s52	8n50	7n42	7n26	5s15		n.a.
S 2	23 35	28 6	4 59	20 0	3 34	18 30	1 41	22 58	0 29	24 3	0 24	21 38	0 52	15 52	0 47	23 19	0 26	8 53	8 50	7 37	7 25	5 19		n.a.
S 3	23 31	26 5	4 58	20 3	3 29	18 48	1 38	23 5	0 30	24 3	0 24	21 38	0 52	15 52	0 47	23 19	0 26	8 53	8 50	7 32	7 24	5 22		n.a.
M 4	23 27	22 31	4 41	20 8	3 22	19 6	1 35	23 12	0 31	24 3	0 24	21 37	0 51	15 53	0 47	23 19	0 26	8 53	8 51	7 27	7 22	5 26		n.a.
T 5	23 23	17 40	4 7	20 14	3 14	19 23	1 33	23 18	0 31	24 2	0 24	21 37	0 51	15 54	0 47	23 19	0 26	8 54	8 51	7 24	7 21	5 29		n.a.
W 6	23 18	11 51	3 18	20 22	3 6	19 40	1 30	23 24	0 32	24 2	0 24	21 36	0 51	15 54	0 47	23 18	0 26	8 54	8 51	7 22	7 20	5 32		n.a.
T 7	23 13	5 25	2 16	20 31	2 56	19 56	1 27	23 30	0 33	24 1	0 24	21 36	0 51	15 55	0 47	23 18	0 26	8 54	8 51	7 20	7 19	5 36		n.a.
F 8	23 7	1n18	1 7	20 41	2 46	20 12	1 24	23 36	0 34	24 0	0 24	21 36	0 51	15 56	0 47	23 18	0 26	8 55	8 51	7 20	7 18	5 39		n.a.
S 9	23 1	7 59	0n 7	20 52	2 36	20 27	1 21	23 41	0 34	24 0	0 24	21 35	0 51	15 56	0 47	23 18	0 26	8 55	8 51	7 20	7 16	5 43		n.a.
S 10	22 55	14 16	1 21	21 3	2 25	20 42	1 18	23 46	0 35	23 59	0 24	21 35	0 50	15 57	0 47	23 18	0 26	8 55	8 51	7 20	7 15	5 46		n.a.
M11	22 47	19 48	2 29	21 16	2 14	20 56	1 15	23 51	0 36	23 59	0 24	21 35	0 50	15 57	0 47	23 18	0 26	8 55	8 52	7 19	7 14	5 49		n.a.
T 12	22 40	24 15	3 28	21 28	2 3	21 10	1 12	23 56	0 36	23 58	0 25	21 34	0 50	15 58	0 47	23 18	0 26	8 56	8 52	7 17	7 13	5 53		n.a.
W13	22 32	27 14	4 15	21 41	1 52	21 23	1 9	24 0	0 37	23 57	0 25	21 34	0 50	15 59	0 48	23 18	0 26	8 56	8 52	7 14	7 11	5 56		n.a.
T 14	22 24	28 31	4 45	21 54	1 41	21 35	1 6	24 4	0 38	23 57	0 25	21 34	0 50	16 0	0 48	23 18	0 26	8 56	8 52	7 10	7 10	6 0		n.a.
F 15	22 15	28 1	4 59	22 7	1 30	21 47	1 3	24 8	0 38	23 56	0 25	21 33	0 50	16 0	0 48	23 18	0 26	8 56	8 52	7 5	7 9	6 3		n.a.
S 16	22 6	25 53	4 56	22 20	1 19	21 58	1 0	24 11	0 39	23 55	0 25	21 33	0 49	16 1	0 48	23 18	0 26	8 56	8 52	7 0	7 8	6 6		n.a.
S 17	21 56	22 24	4 37	22 33	1 8	22 9	0 57	24 14	0 40	23 54	0 25	21 33	0 49	16 2	0 48	23 18	0 26	8 57	8 52	6 55	7 7	6 10		n.a.
M18	21 46	17 56	4 5	22 45	0 57	22 19	0 54	24 17	0 40	23 54	0 25	21 33	0 49	16 2	0 48	23 18	0 26	8 57	8 53	6 51	7 5	6 13		n.a.
T 19	21 36	12 47	3 21	22 57	0 47	22 28	0 51	24 20	0 41	23 53	0 25	21 32	0 49	16 3	0 48	23 18	0 26	8 57	8 53	6 47	7 4	6 17		n.a.
W20	21 25	7 15	2 29	23 8	0 36	22 37	0 48	24 22	0 42	23 52	0 26	21 32	0 49	16 4	0 48	23 18	0 26	8 57	8 53	6 45	7 3	6 20		n.a.
T 21	21 14	1 34	1 31	23 19	0 26	22 45	0 45	24 24	0 42	23 51	0 26	21 32	0 49	16 5	0 48	23 18	0 26	8 57	8 53	6 44	7 2	6 24		n.a.
F 22	21 2	4s 8	0 29	23 29	0 16	22 52	0 42	24 26	0 43	23 50	0 26	21 32	0 48	16 5	0 48	23 18	0 26	8 57	8 53	6 43	7 0	6 27		n.a.
S 23	20 50	9 39	0s33	23 38	0 7	22 59	0 39	24 28	0 44	23 49	0 26	21 31	0 48	16 6	0 48	23 18	0 26	8 57	8 54	6 43	6 59	6 30		n.a.
S 24	20 38	14 51	1 35	23 46	0s 3	23 5	0 35	24 29	0 44	23 48	0 26	21 31	0 48	16 7	0 48	23 18	0 26	8 58	8 54	6 43	6 58	6 34		n.a.
M25	20 25	19 34	2 32	23 54	0 12	23 10	0 32	24 30	0 45	23 47	0 26	21 31	0 48	16 8	0 48	23 18	0 26	8 58	8 54	6 43	6 57	6 37		n.a.
T 26	20 12	23 33	3 24	24 0	0 21	23 15	0 29	24 31	0 46	23 46	0 26	21 31	0 48	16 9	0 48	23 18	0 26	8 58	8 54	6 42	6 55	6 40		n.a.
W27	19 58	26 33	4 8	24 5	0 29	23 19	0 26	24 31	0 46	23 45	0 26	21 31	0 48	16 9	0 48	23 18	0 26	8 58	8 54	6 39	6 54	6 44		n.a.
T 28	19 44	28 18	4 40	24 9	0 37	23 22	0 23	24 32	0 47	23 44	0 27	21 31	0 47	16 10	0 48	23 18	0 26	8 58	8 54	6 36	6 53	6 47		n.a.
F 29	19 30	28 30	4 58	24 12	0 45	23 25	0 20	24 32	0 48	23 43	0 27	21 31	0 47	16 11	0 48	23 18	0 25	8 58	8 55	6 32	6 52	6 51		n.a.
S 30	19 16	27 1	5 1	24 14	0 53	23 27	0 17	24 31	0 48	23 42	0 27	21 30	0 47	16 12	0 48	23 18	0 25	8 58	8 55	6 27	6 51	6 54		n.a.
S 31	19s 1	23s53	4s46	24s15	1s 0	23s28	0n14	24s31	0s49	23s41	0s27	21n30	0s47	16n13	0n48	23s18	0n25	8s58	8n55	6n23	6n49	6s57		n.a.

Julian Day Number = 1549390.5, Delta T = 04h31m57s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'39, Lahiri = -10°27'38 Julian Calendar 1 Jan. 471 BCE == Greg. Calendar 27 Dec. 472 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

FEBRUARY 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 20 44	7♒ 1'58	19♒ 8	12♑51	5♑10	4♑49	11♑49	10°R13	18°R33	3♑ 7	18♏27	15°R50	17♈ 6	17♎33	n.a.	M 1
T 2	8 24 40	8° 1'59	3♓27	14°14	6°23	5°35	12° 3	10♊12	18♌31	3° 9	18°28	15♈42	17° 3	17°40	n.a.	T 2
W 3	8 28 37	9° 1'58	17°52	15°39	7°37	6°22	12°16	10°10	18°28	3°11	18°29	15°36	16°59	17°46	n.a.	W 3
T 4	8 32 34	10° 1'55	2♈16	17° 5	8°50	7° 8	12°30	10° 9	18°26	3°13	18°29	15°33	16°56	17°53	n.a.	T 4
F 5	8 36 30	11° 1'49	16°35	18°32	10° 3	7°55	12°43	10° 8	18°23	3°15	18°30	15°D33	16°53	18° 0	n.a.	F 5
S 6	8 40 27	12° 1'41	0♉48	20° 0	11°17	8°41	12°57	10° 7	18°20	3°17	18°31	15°33	16°50	18° 6	n.a.	S 6
S 7	8 44 23	13° 1'31	14°52	21°30	12°30	9°28	13°10	10° 6	18°18	3°19	18°31	15°R33	16°47	18°13	n.a.	S 7
M 8	8 48 20	14° 1'18	28°47	23° 1	13°43	10°14	13°23	10° 5	18°15	3°21	18°32	15°32	16°44	18°19	n.a.	M 8
T 9	8 52 16	15° 1'03	12♊32	24°34	14°56	11° 1	13°37	10° 4	18°13	3°23	18°32	15°29	16°40	18°26	n.a.	T 9
W10	8 56 13	16° 0'46	26° 7	26° 7	16°10	11°47	13°50	10° 3	18°10	3°24	18°33	15°24	16°37	18°33	n.a.	W10
T 11	9 0 9	17° 0'26	9♋32	27°42	17°23	12°34	14° 3	10° 3	18° 7	3°26	18°33	15°16	16°34	18°39	n.a.	T 11
F 12	9 4 6	18° 0'04	22°46	29°18	18°36	13°20	14°16	10° 2	18° 5	3°28	18°34	15° 6	16°31	18°46	n.a.	F 12
S 13	9 8 3	18°59'39	5♌47	0♒55	19°50	14° 7	14°29	10° 2	18° 2	3°30	18°34	14°56	16°28	18°53	n.a.	S 13
S 14	9 11 59	19°59'13	18°34	2°33	21° 3	14°54	14°42	10° 2	18° 0	3°31	18°35	14°46	16°24	18°59	n.a.	S 14
M15	9 15 56	20°58'44	1♍ 7	4°13	22°16	15°40	14°55	10°D 2	17°57	3°33	18°35	14°37	16°21	19° 6	n.a.	M15
T 16	9 19 52	21°58'13	13°27	5°54	23°29	16°27	15° 8	10° 2	17°54	3°35	18°35	14°31	16°18	19°13	n.a.	T 16
W17	9 23 49	22°57'40	25°34	7°36	24°43	17°13	15°20	10° 2	17°52	3°36	18°36	14°26	16°15	19°19	n.a.	W17
T 18	9 27 45	23°57'05	7♎31	9°20	25°56	18° 0	15°33	10° 2	17°49	3°38	18°36	14°24	16°12	19°26	n.a.	T 18
F 19	9 31 42	24°56'28	19°21	11° 5	27° 9	18°46	15°46	10° 3	17°47	3°40	18°36	14°D24	16° 9	19°33	n.a.	F 19
S 20	9 35 38	25°55'49	1♏ 9	12°51	28°23	19°33	15°58	10° 3	17°44	3°41	18°36	14°25	16° 5	19°39	n.a.	S 20
S 21	9 39 35	26°55'08	12°58	14°38	29°36	20°19	16°11	10° 4	17°41	3°43	18°36	14°27	16° 2	19°46	n.a.	S 21
M22	9 43 31	27°54'25	24°55	16°27	0♒50	21° 6	16°23	10° 4	17°39	3°44	18°36	14°R27	15°59	19°52	n.a.	M22
T 23	9 47 28	28°53'40	7♐ 3	18°17	2° 3	21°52	16°36	10° 5	17°36	3°46	18°37	14°27	15°56	19°59	n.a.	T 23
W24	9 51 25	29°52'54	19°30	20° 8	3°16	22°39	16°48	10° 6	17°34	3°47	18°37	14°25	15°53	20° 6	n.a.	W24
T 25	9 55 21	0♓52'06	2♑17	22° 1	4°30	23°26	17° 0	10° 7	17°31	3°49	18°R37	14°21	15°50	20°12	n.a.	T 25
F 26	9 59 18	1°51'15	15°30	23°55	5°43	24°12	17°12	10° 8	17°29	3°50	18°37	14°16	15°46	20°19	n.a.	F 26
S 27	10 3 14	2°50'23	29° 9	25°50	6°56	24°59	17°24	10°10	17°26	3°52	18°37	14° 9	15°43	20°26	n.a.	S 27
S 28	10 7 11	3♓49'29	13♒12	27♒47	8♒10	25♑45	17♑36	10♊11	17♌24	3♑53	18♏36	14♈ 3	15♈40	20♎32	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s45	19s17	4s13	24s14	1s 7	23s28	0n11	24s30	0s50	23s40	0s27	21n30	0s47	16n13	0n48	23s18	0n25	8s58	8n55	6n19	6n48	7s 1		n.a.
T 2	18 30	13 32	3 24	24 12	1 14	23 28	0 8	24 28	0 50	23 39	0 27	21 30	0 46	16 14	0 48	23 18	0 25	8 58	8 55	6 15	6 47	7 4		n.a.
W 3	18 14	7 2	2 22	24 9	1 20	23 27	0 5	24 27	0 51	23 38	0 27	21 30	0 46	16 15	0 48	23 17	0 25	8 58	8 56	6 13	6 46	7 8		n.a.
T 4	17 58	0 10	1 10	24 4	1 26	23 26	0 2	24 25	0 52	23 37	0 27	21 30	0 46	16 16	0 48	23 17	0 25	8 58	8 56	6 12	6 44	7 11		n.a.
F 5	17 41	6n41	0n 6	23 58	1 32	23 23	0s 1	24 23	0 52	23 36	0 28	21 30	0 46	16 17	0 48	23 17	0 25	8 58	8 56	6 12	6 43	7 14		n.a.
S 6	17 25	13 9	1 20	23 50	1 37	23 20	0 4	24 21	0 53	23 35	0 28	21 30	0 46	16 17	0 48	23 17	0 25	8 58	8 56	6 12	6 42	7 18		n.a.
S 7	17 8	18 53	2 30	23 41	1 42	23 17	0 7	24 18	0 53	23 33	0 28	21 30	0 46	16 18	0 48	23 17	0 25	8 58	8 56	6 12	6 41	7 21		n.a.
M 8	16 50	23 33	3 29	23 30	1 46	23 12	0 10	24 15	0 54	23 32	0 28	21 30	0 45	16 19	0 48	23 17	0 25	8 58	8 57	6 12	6 39	7 25		n.a.
T 9	16 33	26 50	4 16	23 18	1 50	23 7	0 13	24 12	0 55	23 31	0 28	21 30	0 45	16 20	0 48	23 17	0 25	8 58	8 57	6 11	6 38	7 28		n.a.
W10	16 15	28 29	4 48	23 4	1 54	23 1	0 16	24 9	0 55	23 30	0 28	21 31	0 45	16 21	0 48	23 17	0 25	8 58	8 57	6 8	6 37	7 31		n.a.
T 11	15 57	28 27	5 3	22 49	1 58	22 55	0 19	24 5	0 56	23 28	0 28	21 31	0 45	16 22	0 48	23 17	0 25	8 58	8 57	6 5	6 36	7 35		n.a.
F 12	15 38	26 46	5 2	22 32	2 1	22 48	0 21	24 1	0 57	23 27	0 29	21 31	0 45	16 22	0 48	23 17	0 25	8 58	8 57	6 1	6 34	7 38		n.a.
S 13	15 20	23 40	4 45	22 13	2 3	22 40	0 24	23 57	0 57	23 26	0 29	21 31	0 44	16 23	0 48	23 17	0 25	8 58	8 58	5 57	6 33	7 41		n.a.
S 14	15 1	19 28	4 14	21 53	2 5	22 31	0 27	23 52	0 58	23 25	0 29	21 31	0 44	16 24	0 48	23 17	0 25	8 58	8 58	5 54	6 32	7 45		n.a.
M15	14 41	14 30	3 31	21 31	2 7	22 22	0 29	23 47	0 58	23 23	0 29	21 31	0 44	16 25	0 48	23 17	0 25	8 58	8 58	5 50	6 31	7 48		n.a.
T 16	14 22	9 1	2 39	21 7	2 8	22 12	0 32	23 42	0 59	23 22	0 29	21 31	0 44	16 26	0 48	23 17	0 25	8 57	8 58	5 48	6 30	7 52		n.a.
W17	14 3	3 18	1 40	20 41	2 9	22 2	0 35	23 37	1 0	23 21	0 29	21 32	0 44	16 26	0 48	23 17	0 25	8 57	8 58	5 46	6 28	7 55		n.a.
T 18	13 43	2s27	0 37	20 14	2 9	21 51	0 37	23 31	1 0	23 19	0 30	21 32	0 44	16 27	0 48	23 17	0 25	8 57	8 59	5 45	6 27	7 58		n.a.
F 19	13 23	8 5	0s27	19 45	2 9	21 39	0 40	23 25	1 1	23 18	0 30	21 32	0 43	16 28	0 48	23 17	0 25	8 57	8 59	5 45	6 26	8 2		n.a.
S 20	13 3	13 25	1 29	19 14	2 9	21 27	0 42	23 19	1 1	23 17	0 30	21 32	0 43	16 29	0 48	23 17	0 25	8 57	8 59	5 45	6 25	8 5		n.a.
S 21	12 42	18 17	2 28	18 41	2 8	21 14	0 44	23 13	1 2	23 15	0 30	21 33	0 43	16 30	0 48	23 17	0 25	8 57	8 59	5 46	6 23	8 8		n.a.
M22	12 21	22 30	3 21	18 7	2 6	21 0	0 47	23 6	1 3	23 14	0 30	21 33	0 43	16 30	0 48	23 17	0 25	8 57	8 59	5 46	6 22	8 12		n.a.
T 23	12 1	25 49	4 6	17 31	2 4	20 46	0 49	22 59	1 3	23 13	0 30	21 33	0 43	16 31	0 48	23 17	0 25	8 56	9 0	5 46	6 21	8 15		n.a.
W24	11 40	28 0	4 41	16 53	2 1	20 31	0 51	22 52	1 4	23 11	0 30	21 33	0 43	16 32	0 48	23 17	0 25	8 56	9 0	5 45	6 20	8 18		n.a.
T 25	11 19	28 47	5 3	16 13	1 58	20 15	0 53	22 45	1 4	23 10	0 31	21 34	0 42	16 33	0 48	23 17	0 25	8 56	9 0	5 44	6 18	8 22		n.a.
F 26	10 57	27 58	5 10	15 31	1 55	19 59	0 56	22 37	1 5	23 8	0 31	21 34	0 42	16 34	0 48	23 16	0 25	8 56	9 0	5 42	6 17	8 25		n.a.
S 27	10 36	25 28	4 59	14 48	1 50	19 43	0 58	22 29	1 5	23 7	0 31	21 34	0 42	16 34	0 48	23 16	0 25	8 56	9 0	5 39	6 16	8 28		n.a.
S 28	10s14	21s23	4s31	14s 3	1s46	19s25	1s 0	22s21	1s 6	23s 6	0s31	21n35	0s42	16n35	0n48	23s16	0n25	8s55	9n 1	5n37	6n15	8s32		n.a.

Julian Day Number = 1549421.5, Delta T = 04h31m55s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'35, Lahiri = -10°27'34 Julian Calendar 1 Feb. 471 BCE == Greg. Calendar 27 Jan. 471 BCE

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

MARCH 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 11 7	4♓48'32	27♒37	29♒45	9♒23	26♑32	17♑48	10♊12	17°R21	3♑54	18°R36	13°R57	15♈37	20♎39	n.a.	M 1
T 2	10 15 4	5°47'34	12♓18	1♓44	10°37	27°18	18° 0	10°14	17♌19	3°56	18♏36	13♈52	15°34	20°46	n.a.	T 2
W 3	10 19 0	6°46'33	27° 7	3°45	11°50	28° 5	18°12	10°16	17°16	3°57	18°36	13°49	15°30	20°52	n.a.	W 3
T 4	10 22 57	7°45'30	11♈56	5°46	13° 3	28°51	18°23	10°18	17°14	3°58	18°36	13°D48	15°27	20°59	n.a.	T 4
F 5	10 26 54	8°44'25	26°39	7°49	14°17	29°38	18°35	10°19	17°12	3°59	18°36	13°49	15°24	21° 6	n.a.	F 5
S 6	10 30 50	9°43'17	11♉10	9°52	15°30	0♒24	18°46	10°21	17° 9	4° 1	18°35	13°50	15°21	21°12	n.a.	S 6
S 7	10 34 47	10°42'07	25°26	11°57	16°43	1°10	18°58	10°24	17° 7	4° 2	18°35	13°51	15°18	21°19	n.a.	S 7
M 8	10 38 43	11°40'55	9♊24	14° 2	17°57	1°57	19° 9	10°26	17° 5	4° 3	18°35	13°R52	15°15	21°26	n.a.	M 8
T 9	10 42 40	12°39'40	23° 5	16° 7	19°10	2°43	19°20	10°28	17° 2	4° 4	18°34	13°52	15°11	21°32	n.a.	T 9
W10	10 46 36	13°38'23	6♋29	18°13	20°24	3°30	19°31	10°31	17° 0	4° 5	18°34	13°50	15° 8	21°39	n.a.	W10
T 11	10 50 33	14°37'04	19°37	20°19	21°37	4°16	19°42	10°33	16°58	4° 6	18°33	13°47	15° 5	21°45	n.a.	T 11
F 12	10 54 29	15°35'42	2♌31	22°24	22°50	5° 2	19°53	10°36	16°56	4° 7	18°33	13°42	15° 2	21°52	n.a.	F 12
S 13	10 58 26	16°34'18	15°11	24°29	24° 4	5°49	20° 4	10°38	16°53	4° 8	18°32	13°38	14°59	21°59	n.a.	S 13
S 14	11 2 22	17°32'51	27°39	26°33	25°17	6°35	20°15	10°41	16°51	4° 9	18°32	13°34	14°56	22° 5	n.a.	S 14
M15	11 6 19	18°31'23	9♍55	28°36	26°30	7°21	20°26	10°44	16°49	4°10	18°31	13°30	14°52	22°12	n.a.	M15
T 16	11 10 16	19°29'52	22° 2	0♈37	27°44	8° 8	20°36	10°47	16°47	4°11	18°31	13°27	14°49	22°19	n.a.	T 16
W17	11 14 12	20°28'19	4♎ 0	2°37	28°57	8°54	20°47	10°50	16°45	4°12	18°30	13°26	14°46	22°25	n.a.	W17
T 18	11 18 9	21°26'45	15°52	4°34	0♓11	9°40	20°57	10°54	16°43	4°13	18°29	13°D25	14°43	22°32	n.a.	T 18
F 19	11 22 5	22°25'08	27°41	6°29	1°24	10°26	21° 7	10°57	16°41	4°13	18°29	13°26	14°40	22°39	n.a.	F 19
S 20	11 26 2	23°23'30	9♏28	8°20	2°37	11°12	21°17	11° 0	16°39	4°14	18°28	13°27	14°36	22°45	n.a.	S 20
S 21	11 29 58	24°21'50	21°19	10° 9	3°51	11°59	21°27	11° 4	16°37	4°15	18°27	13°29	14°33	22°52	n.a.	S 21
M22	11 33 55	25°20'08	3♐16	11°55	5° 4	12°45	21°37	11° 7	16°35	4°16	18°27	13°30	14°30	22°59	n.a.	M22
T 23	11 37 51	26°18'25	15°25	13°37	6°17	13°31	21°47	11°11	16°34	4°16	18°26	13°31	14°27	23° 5	n.a.	T 23
W24	11 41 48	27°16'40	27°49	15°15	7°31	14°17	21°56	11°15	16°32	4°17	18°25	13°R32	14°24	23°12	n.a.	W24
T 25	11 45 45	28°14'54	10♑34	16°49	8°44	15° 3	22° 6	11°19	16°30	4°18	18°24	13°31	14°21	23°19	n.a.	T 25
F 26	11 49 41	29°13'06	23°42	18°19	9°58	15°49	22°15	11°23	16°28	4°18	18°23	13°30	14°17	23°25	n.a.	F 26
S 27	11 53 38	0♈11'16	7♒17	19°45	11°11	16°35	22°25	11°27	16°27	4°19	18°22	13°29	14°14	23°32	n.a.	S 27
S 28	11 57 34	1° 9'24	21°19	21° 7	12°24	17°21	22°34	11°31	16°25	4°19	18°22	13°27	14°11	23°38	n.a.	S 28
M29	12 1 31	2° 7'31	5♓46	22°24	13°38	18° 7	22°43	11°35	16°23	4°20	18°21	13°26	14° 8	23°45	n.a.	M29
T 30	12 5 27	3° 5'37	20°34	23°37	14°51	18°53	22°52	11°40	16°22	4°20	18°20	13°25	14° 5	23°52	n.a.	T 30
W31	12 9 24	4♈ 3'40	5♈36	24♈45	16♓ 5	19♒39	23♑ 1	11♊44	16♌20	4♑21	18♏19	13♈24	14♈ 1	23♎58	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	9s52	15s58	3s45	13s16	1s40	19s 8	1s 2	22s13	1s 6	23s 4	0s31	21n35	0s42	16n36	0n48	23s16	0n25	8s55	9n 1	5n34	6n13	8s35			n.a.
T 2	9 30	9 32	2 43	12 28	1 35	18 49	1 4	22 4	1 7	23 3	0 31	21 36	0 41	16 37	0 48	23 16	0 25	8 55	9 1	5 32	6 12	8 39			n.a.
W 3	9 8	2 32	1 30	11 38	1 28	18 31	1 5	21 55	1 7	23 1	0 32	21 36	0 41	16 37	0 48	23 16	0 25	8 55	9 1	5 31	6 11	8 42			n.a.
T 4	8 46	4n37	0 10	10 46	1 21	18 11	1 7	21 46	1 8	23 0	0 32	21 36	0 41	16 38	0 48	23 16	0 25	8 55	9 1	5 31	6 10	8 45			n.a.
F 5	8 24	11 29	1n10	9 53	1 14	17 52	1 9	21 37	1 8	22 58	0 32	21 37	0 41	16 39	0 48	23 16	0 25	8 54	9 2	5 31	6 8	8 49			n.a.
S 6	8 2	17 39	2 24	8 59	1 6	17 31	1 11	21 27	1 9	22 57	0 32	21 37	0 41	16 39	0 48	23 16	0 25	8 54	9 2	5 32	6 7	8 52			n.a.
S 7	7 39	22 44	3 28	8 3	0 57	17 10	1 12	21 17	1 9	22 56	0 32	21 38	0 41	16 40	0 48	23 16	0 25	8 54	9 2	5 32	6 6	8 55			n.a.
M 8	7 16	26 24	4 18	7 6	0 48	16 49	1 14	21 7	1 10	22 54	0 33	21 38	0 40	16 41	0 48	23 16	0 25	8 54	9 2	5 32	6 5	8 59			n.a.
T 9	6 54	28 27	4 53	6 8	0 39	16 27	1 15	20 57	1 10	22 53	0 33	21 39	0 40	16 42	0 48	23 16	0 25	8 53	9 2	5 32	6 4	9 2			n.a.
W10	6 31	28 46	5 10	5 9	0 29	16 5	1 17	20 47	1 11	22 51	0 33	21 39	0 40	16 42	0 48	23 16	0 25	8 53	9 2	5 32	6 2	9 5			n.a.
T 11	6 8	27 26	5 11	4 10	0 18	15 43	1 18	20 36	1 11	22 50	0 33	21 40	0 40	16 43	0 48	23 16	0 25	8 53	9 3	5 30	6 1	9 9			n.a.
F 12	5 45	24 40	4 56	3 10	0 8	15 20	1 19	20 25	1 12	22 48	0 33	21 40	0 40	16 44	0 48	23 16	0 25	8 52	9 3	5 29	6 0	9 12			n.a.
S 13	5 22	20 44	4 27	2 10	0n 3	14 56	1 20	20 14	1 12	22 47	0 33	21 41	0 40	16 44	0 48	23 16	0 25	8 52	9 3	5 27	5 59	9 15			n.a.
S 14	4 59	15 58	3 46	1 10	0 14	14 32	1 22	20 3	1 13	22 46	0 34	21 42	0 39	16 45	0 48	23 16	0 25	8 52	9 3	5 25	5 57	9 19			n.a.
M15	4 36	10 38	2 54	0 10	0 26	14 8	1 23	19 51	1 13	22 44	0 34	21 42	0 39	16 45	0 48	23 16	0 25	8 51	9 3	5 24	5 56	9 22			n.a.
T 16	4 13	4 58	1 55	0n49	0 37	13 44	1 24	19 40	1 14	22 43	0 34	21 43	0 39	16 46	0 48	23 16	0 25	8 51	9 3	5 23	5 55	9 25			n.a.
W17	3 49	0s49	0 52	1 47	0 48	13 19	1 25	19 28	1 14	22 41	0 34	21 43	0 39	16 47	0 48	23 16	0 25	8 51	9 4	5 22	5 54	9 29			n.a.
T 18	3 26	6 32	0s14	2 45	1 0	12 53	1 25	19 16	1 15	22 40	0 34	21 44	0 39	16 47	0 48	23 16	0 25	8 51	9 4	5 22	5 52	9 32			n.a.
F 19	3 3	12 0	1 18	3 41	1 11	12 28	1 26	19 3	1 15	22 38	0 35	21 45	0 39	16 48	0 48	23 16	0 25	8 50	9 4	5 22	5 51	9 35			n.a.
S 20	2 39	17 2	2 19	4 36	1 21	12 2	1 27	18 51	1 16	22 37	0 35	21 45	0 38	16 48	0 48	23 16	0 25	8 50	9 4	5 23	5 50	9 38			n.a.
S 21	2 16	21 27	3 14	5 29	1 32	11 35	1 28	18 38	1 16	22 36	0 35	21 46	0 38	16 49	0 48	23 16	0 25	8 49	9 4	5 23	5 49	9 42			n.a.
M22	1 53	25 2	4 2	6 20	1 42	11 9	1 28	18 26	1 16	22 34	0 35	21 47	0 38	16 50	0 48	23 16	0 25	8 49	9 4	5 24	5 47	9 45			n.a.
T 23	1 29	27 34	4 39	7 9	1 52	10 42	1 29	18 13	1 17	22 33	0 35	21 47	0 38	16 50	0 48	23 16	0 25	8 49	9 5	5 24	5 46	9 48			n.a.
W24	1 6	28 49	5 5	7 56	2 1	10 14	1 29	17 59	1 17	22 32	0 36	21 48	0 38	16 51	0 47	23 16	0 25	8 48	9 5	5 24	5 45	9 52			n.a.
T 25	0 42	28 35	5 16	8 41	2 9	9 47	1 30	17 46	1 18	22 30	0 36	21 49	0 38	16 51	0 47	23 16	0 25	8 48	9 5	5 24	5 44	9 55			n.a.
F 26	0 19	26 45	5 12	9 23	2 17	9 19	1 30	17 33	1 18	22 29	0 36	21 49	0 37	16 52	0 47	23 16	0 25	8 48	9 5	5 24	5 42	9 58			n.a.
S 27	0n 5	23 21	4 50	10 3	2 24	8 51	1 30	17 19	1 18	22 28	0 36	21 50	0 37	16 52	0 47	23 16	0 25	8 47	9 5	5 23	5 41	10 2			n.a.
S 28	0 28	18 31	4 10	10 40	2 31	8 23	1 31	17 5	1 19	22 26	0 36	21 51	0 37	16 53	0 47	23 16	0 25	8 47	9 5	5 23	5 40	10 5			n.a.
M29	0 51	12 31	3 14	11 15	2 36	7 55	1 31	16 51	1 19	22 25	0 37	21 52	0 37	16 53	0 47	23 16	0 25	8 47	9 5	5 22	5 39	10 8			n.a.
T 30	1 15	5 40	2 3	11 47	2 41	7 26	1 31	16 37	1 19	22 24	0 37	21 52	0 37	16 53	0 47	23 15	0 25	8 46	9 6	5 22	5 37	10 12			n.a.
W31	1n38	1n35	0s43	12n16	2n45	6s57	1s31	16s23	1s20	22s22	0s37	21n53	0s37	16n54	0n47	23s15	0n25	8s46	9n 6	5n22	5n36	10s15			n.a.

Julian Day Number = 1549449.5, Delta T = 04h31m54s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'31, Lahiri = -10°27'30 Julian Calendar 1 March 471 BCE == Greg. Calendar 24 Feb. 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

APRIL 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 13 20	5♈ 1'42	20♈42	25♈49	17♓18	20♒25	23♑ 9	11♊48	16°R19	4♑21	18°R18	13°D24	13♈58	24♎ 5	n.a.	T 1
F 2	12 17 17	5°59'42	5♉46	26°48	18°31	21°11	23°18	11°53	16♌18	4°21	18♏17	13♈25	13°55	24°12	n.a.	F 2
S 3	12 21 13	6°57'40	20°37	27°42	19°45	21°56	23°26	11°58	16°16	4°22	18°15	13°25	13°52	24°18	n.a.	S 3
S 4	12 25 10	7°55'36	5♊10	28°31	20°58	22°42	23°34	12° 2	16°15	4°22	18°14	13°26	13°49	24°25	n.a.	S 4
M 5	12 29 7	8°53'31	19°21	29°15	22°12	23°28	23°43	12° 7	16°14	4°22	18°13	13°26	13°46	24°32	n.a.	M 5
T 6	12 33 3	9°51'23	3♋ 7	29°54	23°25	24°13	23°51	12°12	16°12	4°22	18°12	13°26	13°42	24°38	n.a.	T 6
W 7	12 37 0	10°49'14	16°31	0♌28	24°38	24°59	23°58	12°17	16°11	4°23	18°11	13°R26	13°39	24°45	n.a.	W 7
T 8	12 40 56	11°47'03	29°33	0°57	25°52	25°45	24° 6	12°22	16°10	4°23	18°10	13°26	13°36	24°52	n.a.	T 8
F 9	12 44 53	12°44'49	12♎15	1°21	27° 5	26°30	24°14	12°27	16° 9	4°23	18° 9	13°26	13°33	24°58	n.a.	F 9
S 10	12 48 49	13°42'34	24°42	1°40	28°19	27°16	24°21	12°33	16° 8	4°23	18° 7	13°D26	13°30	25° 5	n.a.	S 10
S 11	12 52 46	14°40'17	6♏55	1°54	29°32	28° 1	24°29	12°38	16° 7	4°23	18° 6	13°26	13°27	25°12	n.a.	S 11
M12	12 56 42	15°37'59	18°59	2° 3	0♈45	28°47	24°36	12°43	16° 6	4°R23	18° 5	13°26	13°23	25°18	n.a.	M12
T 13	13 0 39	16°35'39	0♎55	2°R 6	1°59	29°32	24°43	12°49	16° 5	4°23	18° 4	13°27	13°20	25°25	n.a.	T 13
W14	13 4 36	17°33'17	12°46	2° 5	3°12	0♓17	24°50	12°54	16° 4	4°23	18° 2	13°R27	13°17	25°31	n.a.	W14
T 15	13 8 32	18°30'54	24°35	2° 0	4°25	1° 3	24°56	13° 0	16° 3	4°23	18° 1	13°27	13°14	25°38	n.a.	T 15
F 16	13 12 29	19°28'29	6♏23	1°49	5°39	1°48	25° 3	13° 5	16° 3	4°23	18° 0	13°26	13°11	25°45	n.a.	F 16
S 17	13 16 25	20°26'04	18°13	1°35	6°52	2°33	25° 9	13°11	16° 2	4°23	17°58	13°25	13° 7	25°51	n.a.	S 17
S 18	13 20 22	21°23'37	0♐ 7	1°16	8° 6	3°18	25°15	13°17	16° 1	4°23	17°57	13°24	13° 4	25°58	n.a.	S 18
M19	13 24 18	22°21'09	12° 9	0°54	9°19	4° 3	25°22	13°23	16° 1	4°22	17°56	13°23	13° 1	26° 5	n.a.	M19
T 20	13 28 15	23°18'40	24°21	0°29	10°32	4°48	25°27	13°28	16° 0	4°22	17°54	13°22	12°58	26°11	n.a.	T 20
W21	13 32 11	24°16'10	6♑47	0° 0	11°46	5°34	25°33	13°34	16° 0	4°22	17°53	13°21	12°55	26°18	n.a.	W21
T 22	13 36 8	25°13'39	19°30	29♈30	12°59	6°18	25°39	13°40	15°59	4°22	17°51	13°D21	12°52	26°25	n.a.	T 22
F 23	13 40 5	26°11'07	2♒34	28°58	14°13	7° 3	25°44	13°46	15°59	4°21	17°50	13°21	12°48	26°31	n.a.	F 23
S 24	13 44 1	27° 8'34	16° 2	28°24	15°26	7°48	25°50	13°53	15°59	4°21	17°48	13°21	12°45	26°38	n.a.	S 24
S 25	13 47 58	28° 6'00	29°54	27°51	16°40	8°33	25°55	13°59	15°58	4°21	17°47	13°22	12°42	26°45	n.a.	S 25
M26	13 51 54	29° 3'25	14♓12	27°17	17°53	9°18	26° 0	14° 5	15°58	4°20	17°46	13°23	12°39	26°51	n.a.	M26
T 27	13 55 51	0♉ 0'50	28°53	26°43	19° 6	10° 3	26° 4	14°11	15°58	4°20	17°44	13°24	12°36	26°58	n.a.	T 27
W28	13 59 47	0°58'13	13♈52	26°11	20°20	10°47	26° 9	14°18	15°58	4°19	17°43	13°R25	12°33	27° 5	n.a.	W28
T 29	14 3 44	1°55'36	29° 2	25°41	21°33	11°32	26°13	14°24	15°58	4°19	17°41	13°24	12°29	27°11	n.a.	T 29
F 30	14 7 40	2♉52'57	14♉13	25♈12	22♈47	12♓17	26♑18	14♊31	15°D58	4♑18	17♏40	13♈23	12♈26	27♎18	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n 1	8n49	0n40	12n42	2n48	6s28	1s31	16s 8	1s20	22s21	0s37	21n54	0s36	16n54	0n47	23s15	0n25	8s45	9n 6	5n22	5n35	10s18		n.a.
F 2	2 25	15 31	2 1	13 6	2 50	5 59	1 30	15 54	1 20	22 20	0 37	21 55	0 36	16 55	0 47	23 15	0 25	8 45	9 6	5 22	5 34	10 21		n.a.
S 3	2 48	21 13	3 12	13 27	2 51	5 30	1 30	15 39	1 21	22 19	0 38	21 55	0 36	16 55	0 47	23 15	0 25	8 45	9 6	5 22	5 32	10 25		n.a.
S 4	3 11	25 32	4 10	13 45	2 51	5 0	1 30	15 24	1 21	22 17	0 38	21 56	0 36	16 55	0 47	23 15	0 25	8 44	9 6	5 22	5 31	10 28		n.a.
M 5	3 34	28 8	4 50	14 0	2 50	4 30	1 30	15 9	1 21	22 16	0 38	21 57	0 36	16 56	0 47	23 15	0 25	8 44	9 6	5 22	5 30	10 31		n.a.
T 6	3 57	28 55	5 13	14 12	2 48	4 1	1 29	14 54	1 22	22 15	0 38	21 58	0 36	16 56	0 47	23 15	0 25	8 43	9 6	5 22	5 29	10 35		n.a.
W 7	4 20	27 58	5 17	14 22	2 45	3 31	1 29	14 39	1 22	22 14	0 39	21 59	0 36	16 56	0 47	23 15	0 25	8 43	9 6	5 22	5 27	10 38		n.a.
T 8	4 43	25 29	5 5	14 28	2 41	3 1	1 28	14 24	1 22	22 13	0 39	21 59	0 35	16 57	0 47	23 15	0 25	8 43	9 6	5 22	5 26	10 41		n.a.
F 9	5 6	21 48	4 38	14 32	2 36	2 31	1 28	14 8	1 22	22 11	0 39	22 0	0 35	16 57	0 47	23 15	0 25	8 42	9 7	5 22	5 25	10 44		n.a.
S 10	5 29	17 12	3 59	14 32	2 29	2 1	1 27	13 53	1 23	22 10	0 39	22 1	0 35	16 57	0 47	23 15	0 26	8 42	9 7	5 22	5 24	10 48		n.a.
S 11	5 51	12 0	3 9	14 30	2 22	1 30	1 26	13 37	1 23	22 9	0 39	22 2	0 35	16 58	0 47	23 15	0 26	8 41	9 7	5 22	5 22	10 51		n.a.
M12	6 14	6 26	2 12	14 25	2 13	1 0	1 26	13 21	1 23	22 8	0 40	22 3	0 35	16 58	0 47	23 15	0 26	8 41	9 7	5 22	5 21	10 54		n.a.
T 13	6 36	0 41	1 9	14 17	2 3	0 30	1 25	13 5	1 24	22 7	0 40	22 4	0 35	16 58	0 47	23 15	0 26	8 41	9 7	5 22	5 20	10 57		n.a.
W14	6 59	5s 3	0 4	14 7	1 53	0n 1	1 24	12 49	1 24	22 6	0 40	22 4	0 35	16 58	0 47	23 15	0 26	8 40	9 7	5 22	5 19	11 1		n.a.
T 15	7 21	10 36	1s 1	13 54	1 41	0 31	1 23	12 33	1 24	22 5	0 40	22 5	0 34	16 59	0 47	23 15	0 26	8 40	9 7	5 22	5 17	11 4		n.a.
F 16	7 43	15 46	2 4	13 38	1 28	1 1	1 22	12 17	1 24	22 4	0 41	22 6	0 34	16 59	0 47	23 15	0 26	8 39	9 7	5 22	5 16	11 7		n.a.
S 17	8 5	20 23	3 1	13 20	1 14	1 32	1 21	12 1	1 24	22 3	0 41	22 7	0 34	16 59	0 47	23 15	0 26	8 39	9 7	5 22	5 15	11 11		n.a.
S 18	8 27	24 12	3 51	13 0	0 59	2 2	1 20	11 44	1 25	22 2	0 41	22 8	0 34	16 59	0 47	23 15	0 26	8 39	9 7	5 22	5 14	11 14		n.a.
M19	8 49	27 1	4 31	12 37	0 44	2 32	1 18	11 28	1 25	22 1	0 41	22 9	0 34	16 59	0 47	23 15	0 26	8 38	9 7	5 21	5 12	11 17		n.a.
T 20	9 10	28 37	5 0	12 13	0 28	3 3	1 17	11 11	1 25	22 1	0 42	22 10	0 34	16 59	0 47	23 15	0 26	8 38	9 7	5 21	5 11	11 20		n.a.
W21	9 32	28 49	5 15	11 48	0 11	3 33	1 16	10 55	1 25	22 0	0 42	22 10	0 34	16 59	0 47	23 15	0 26	8 37	9 7	5 20	5 10	11 24		n.a.
T 22	9 53	27 30	5 15	11 21	0s 6	4 3	1 15	10 38	1 25	21 59	0 42	22 11	0 33	17 0	0 47	23 15	0 26	8 37	9 7	5 20	5 9	11 27		n.a.
F 23	10 14	24 42	4 59	10 54	0 23	4 33	1 13	10 21	1 26	21 58	0 42	22 12	0 33	17 0	0 46	23 15	0 26	8 37	9 7	5 20	5 7	11 30		n.a.
S 24	10 35	20 29	4 27	10 26	0 40	5 3	1 12	10 4	1 26	21 57	0 43	22 13	0 33	17 0	0 46	23 15	0 26	8 36	9 7	5 20	5 6	11 33		n.a.
S 25	10 56	15 3	3 38	9 58	0 57	5 33	1 10	9 48	1 26	21 57	0 43	22 14	0 33	17 0	0 46	23 15	0 26	8 36	9 7	5 21	5 5	11 36		n.a.
M26	11 17	8 40	2 35	9 30	1 14	6 3	1 9	9 31	1 26	21 56	0 43	22 15	0 33	17 0	0 46	23 15	0 26	8 35	9 7	5 21	5 4	11 40		n.a.
T 27	11 37	1 40	1 20	9 2	1 30	6 33	1 7	9 14	1 26	21 55	0 43	22 16	0 33	17 0	0 46	23 15	0 26	8 35	9 7	5 21	5 2	11 43		n.a.
W28	11 58	5n35	0n 3	8 35	1 46	7 2	1 5	8 57	1 26	21 55	0 44	22 17	0 33	17 0	0 46	23 15	0 26	8 35	9 7	5 22	5 1	11 46		n.a.
T 29	12 18	12 36	1 25	8 10	2 1	7 32	1 4	8 39	1 26	21 54	0 44	22 17	0 33	17 0	0 46	23 15	0 26	8 34	9 7	5 21	5 0	11 49		n.a.
F 30	12n38	18n54	2n42	7n46	2s16	8n 1	1s 2	8s22	1s26	21s54	0s44	22n18	0s32	17n 0	0n46	23s16	0n26	8s34	9n 7	5n21	4n59	11s53		n.a.

Julian Day Number = 1549480.5, Delta T = 04h31m53s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'27, Lahiri = -10°27'26 Julian Calendar 1 Apr. 471 BCE == Greg. Calendar 27 March 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

MAY 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 11 37	3♉50'18	29♉17	24°R46	24♈ 0	13♓ 1	26♑22	14♊37	15♌58	4°R18	17°R38	13°R21	12♈23	27♎25	n.a.	S 1
S 2	14 15 34	4°47'38	14♊ 3	24♈24	25°14	13°46	26°26	14°44	15°58	4♑17	17♏36	13♈18	12°20	27°31	n.a.	S 2
M 3	14 19 30	5°44'56	28°26	24° 5	26°27	14°30	26°29	14°50	15°58	4°16	17°35	13°15	12°17	27°38	n.a.	M 3
T 4	14 23 27	6°42'14	12♋23	23°49	27°41	15°14	26°33	14°57	15°58	4°16	17°33	13°13	12°13	27°44	n.a.	T 4
W 5	14 27 23	7°39'30	25°52	23°38	28°54	15°58	26°36	15° 4	15°59	4°15	17°32	13°11	12°10	27°51	n.a.	W 5
T 6	14 31 20	8°36'46	8♌55	23°30	0♉ 8	16°43	26°40	15°11	15°59	4°14	17°30	13°D11	12° 7	27°58	n.a.	T 6
F 7	14 35 16	9°34'00	21°35	23°D27	1°21	17°27	26°43	15°17	15°59	4°14	17°29	13°11	12° 4	28° 4	n.a.	F 7
S 8	14 39 13	10°31'13	3♍56	23°29	2°35	18°11	26°45	15°24	16° 0	4°13	17°27	13°12	12° 1	28°11	n.a.	S 8
S 9	14 43 10	11°28'25	16° 2	23°35	3°48	18°55	26°48	15°31	16° 0	4°12	17°26	13°14	11°58	28°18	n.a.	S 9
M10	14 47 6	12°25'36	27°59	23°45	5° 2	19°39	26°51	15°38	16° 1	4°11	17°24	13°16	11°54	28°24	n.a.	M10
T 11	14 51 3	13°22'46	9♎49	24° 0	6°15	20°23	26°53	15°45	16° 1	4°10	17°22	13°R17	11°51	28°31	n.a.	T 11
W12	14 54 59	14°19'56	21°36	24°19	7°29	21° 7	26°55	15°52	16° 2	4° 9	17°21	13°16	11°48	28°38	n.a.	W12
T 13	14 58 56	15°17'05	3♏24	24°43	8°42	21°50	26°57	15°59	16° 3	4° 9	17°19	13°14	11°45	28°44	n.a.	T 13
F 14	15 2 52	16°14'13	15°15	25°12	9°56	22°34	26°59	16° 6	16° 3	4° 8	17°18	13°11	11°42	28°51	n.a.	F 14
S 15	15 6 49	17°11'21	27°11	25°45	11° 9	23°18	27° 0	16°13	16° 4	4° 7	17°16	13° 7	11°38	28°58	n.a.	S 15
S 16	15 10 45	18° 8'29	9♐14	26°22	12°23	24° 1	27° 1	16°21	16° 5	4° 6	17°14	13° 1	11°35	29° 4	n.a.	S 16
M17	15 14 42	19° 5'36	21°25	27° 3	13°36	24°45	27° 3	16°28	16° 6	4° 5	17°13	12°55	11°32	29°11	n.a.	M17
T 18	15 18 39	20° 2'43	3♑46	27°49	14°50	25°28	27° 4	16°35	16° 7	4° 4	17°11	12°48	11°29	29°18	n.a.	T 18
W19	15 22 35	20°59'49	16°20	28°38	16° 3	26°11	27° 4	16°42	16° 8	4° 3	17°10	12°43	11°26	29°24	n.a.	W19
T 20	15 26 32	21°56'56	29° 8	29°32	17°17	26°55	27° 5	16°50	16° 9	4° 1	17° 8	12°39	11°23	29°31	n.a.	T 20
F 21	15 30 28	22°54'03	12♒12	0♉29	18°31	27°38	27° 5	16°57	16°10	4° 0	17° 7	12°37	11°19	29°38	n.a.	F 21
S 22	15 34 25	23°51'09	25°35	1°31	19°44	28°21	27°R 5	17° 4	16°11	3°59	17° 5	12°D37	11°16	29°44	n.a.	S 22
S 23	15 38 21	24°48'16	9♓19	2°36	20°58	29° 4	27° 5	17°12	16°12	3°58	17° 3	12°37	11°13	29°51	n.a.	S 23
M24	15 42 18	25°45'22	23°24	3°45	22°11	29°47	27° 5	17°19	16°14	3°57	17° 2	12°39	11°10	29°58	n.a.	M24
T 25	15 46 14	26°42'29	7♈50	4°58	23°25	0♈30	27° 5	17°27	16°15	3°56	17° 0	12°R40	11° 7	0♏ 4	n.a.	T 25
W26	15 50 11	27°39'35	22°35	6°15	24°39	1°13	27° 4	17°34	16°16	3°55	16°59	12°39	11° 4	0°11	n.a.	W26
T 27	15 54 8	28°36'42	7♉33	7°35	25°52	1°56	27° 3	17°42	16°18	3°53	16°57	12°37	11° 0	0°17	n.a.	T 27
F 28	15 58 4	29°33'49	22°37	8°58	27° 6	2°38	27° 3	17°49	16°19	3°52	16°56	12°33	10°57	0°24	n.a.	F 28
S 29	16 2 1	0♊30'56	7♊38	10°26	28°20	3°21	27° 1	17°57	16°21	3°51	16°54	12°27	10°54	0°31	n.a.	S 29
S 30	16 5 57	1°28'03	22°26	11°56	29°33	4° 4	27° 0	18° 4	16°22	3°49	16°53	12°20	10°51	0°37	n.a.	S 30
M31	16 9 54	2♊25'10	6♋54	13♉31	0♊47	4♈46	26♑58	18♊12	16♌24	3♑48	16♏51	12♈12	10♈48	0♏44	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n58	23n57	3n47	7n24	2s29	8n30	1s 0	8s 5	1s27	21s53	0s44	22n19	0s32	17n 0	0n46	23s16	0n26	8s33	9n 7	5n20	4n57	11s56		n.a.
S 2	13 17	27 20	4 35	7 4	2 42	8 59	0 58	7 48	1 27	21 53	0 45	22 20	0 32	17 0	0 46	23 16	0 26	8 33	9 7	5 19	4 56	11 59		n.a.
M 3	13 37	28 49	5 5	6 46	2 54	9 28	0 57	7 31	1 27	21 52	0 45	22 21	0 32	16 59	0 46	23 16	0 26	8 33	9 7	5 18	4 55	12 2		n.a.
T 4	13 56	28 24	5 15	6 31	3 4	9 56	0 55	7 13	1 27	21 52	0 45	22 22	0 32	16 59	0 46	23 16	0 26	8 32	9 7	5 17	4 54	12 6		n.a.
W 5	14 15	26 17	5 7	6 18	3 13	10 24	0 53	6 56	1 27	21 51	0 46	22 23	0 32	16 59	0 46	23 16	0 26	8 32	9 7	5 16	4 52	12 9		n.a.
T 6	14 34	22 49	4 44	6 8	3 22	10 52	0 51	6 39	1 27	21 51	0 46	22 24	0 32	16 59	0 46	23 16	0 26	8 31	9 7	5 16	4 51	12 12		n.a.
F 7	14 52	18 23	4 7	6 0	3 29	11 20	0 49	6 21	1 27	21 51	0 46	22 24	0 32	16 59	0 46	23 16	0 26	8 31	9 7	5 16	4 50	12 15		n.a.
S 8	15 10	13 17	3 20	5 55	3 34	11 48	0 47	6 4	1 27	21 50	0 46	22 25	0 31	16 59	0 46	23 16	0 26	8 31	9 7	5 17	4 49	12 18		n.a.
S 9	15 28	7 47	2 24	5 53	3 39	12 15	0 45	5 46	1 27	21 50	0 47	22 26	0 31	16 59	0 46	23 16	0 26	8 30	9 7	5 18	4 47	12 22		n.a.
M10	15 46	2 5	1 23	5 54	3 43	12 42	0 43	5 29	1 27	21 50	0 47	22 27	0 31	16 58	0 46	23 16	0 26	8 30	9 7	5 18	4 46	12 25		n.a.
T 11	16 4	3s39	0 19	5 57	3 45	13 9	0 41	5 11	1 27	21 50	0 47	22 28	0 31	16 58	0 46	23 16	0 26	8 30	9 7	5 18	4 45	12 28		n.a.
W12	16 21	9 14	0s46	6 3	3 46	13 35	0 38	4 54	1 27	21 50	0 47	22 29	0 31	16 58	0 46	23 16	0 26	8 29	9 7	5 18	4 44	12 31		n.a.
T 13	16 38	14 30	1 48	6 11	3 47	14 1	0 36	4 36	1 27	21 49	0 48	22 30	0 31	16 58	0 46	23 16	0 26	8 29	9 7	5 18	4 42	12 34		n.a.
F 14	16 55	19 16	2 46	6 22	3 46	14 27	0 34	4 19	1 27	21 49	0 48	22 31	0 31	16 57	0 46	23 16	0 26	8 29	9 6	5 16	4 41	12 38		n.a.
S 15	17 11	23 18	3 37	6 36	3 45	14 52	0 32	4 1	1 27	21 49	0 48	22 31	0 31	16 57	0 46	23 16	0 26	8 28	9 6	5 15	4 40	12 41		n.a.
S 16	17 28	26 23	4 19	6 51	3 42	15 17	0 30	3 44	1 27	21 49	0 49	22 32	0 31	16 57	0 46	23 16	0 26	8 28	9 6	5 12	4 38	12 44		n.a.
M17	17 43	28 17	4 49	7 10	3 39	15 42	0 27	3 26	1 27	21 49	0 49	22 33	0 30	16 57	0 46	23 16	0 26	8 28	9 6	5 10	4 37	12 47		n.a.
T 18	17 59	28 49	5 7	7 30	3 35	16 6	0 25	3 9	1 27	21 49	0 49	22 34	0 30	16 56	0 46	23 16	0 26	8 27	9 6	5 7	4 36	12 50		n.a.
W19	18 15	27 52	5 10	7 52	3 30	16 30	0 23	2 51	1 27	21 50	0 49	22 35	0 30	16 56	0 45	23 16	0 26	8 27	9 6	5 5	4 35	12 54		n.a.
T 20	18 30	25 27	4 58	8 17	3 24	16 53	0 20	2 34	1 27	21 50	0 50	22 36	0 30	16 56	0 45	23 16	0 26	8 27	9 6	5 4	4 33	12 57		n.a.
F 21	18 44	21 41	4 30	8 43	3 17	17 16	0 18	2 16	1 27	21 50	0 50	22 36	0 30	16 55	0 45	23 16	0 26	8 26	9 6	5 3	4 32	13 0		n.a.
S 22	18 59	16 43	3 48	9 11	3 10	17 39	0 16	1 59	1 26	21 50	0 50	22 37	0 30	16 55	0 45	23 16	0 26	8 26	9 6	5 3	4 31	13 3		n.a.
S 23	19 13	10 49	2 51	9 41	3 2	18 1	0 13	1 41	1 26	21 50	0 50	22 38	0 30	16 54	0 45	23 16	0 25	8 26	9 5	5 3	4 30	13 6		n.a.
M24	19 27	4 13	1 43	10 12	2 54	18 23	0 11	1 24	1 26	21 51	0 51	22 39	0 30	16 54	0 45	23 16	0 25	8 25	9 5	5 4	4 28	13 9		n.a.
T 25	19 41	2n45	0 26	10 45	2 45	18 44	0 9	1 7	1 26	21 51	0 51	22 40	0 30	16 54	0 45	23 16	0 25	8 25	9 5	5 4	4 27	13 13		n.a.
W26	19 54	9 44	0n54	11 20	2 36	19 5	0 6	0 49	1 26	21 52	0 51	22 41	0 29	16 53	0 45	23 16	0 25	8 25	9 5	5 4	4 26	13 16		n.a.
T 27	20 7	16 16	2 11	11 55	2 26	19 25	0 4	0 32	1 26	21 52	0 52	22 41	0 29	16 53	0 45	23 16	0 25	8 25	9 5	5 3	4 25	13 19		n.a.
F 28	20 19	21 52	3 19	12 32	2 16	19 45	0 2	0 15	1 26	21 52	0 52	22 42	0 29	16 52	0 45	23 16	0 25	8 24	9 5	5 1	4 23	13 22		n.a.
S 29	20 32	26 2	4 13	13 10	2 5	20 4	0n 1	0n 3	1 26	21 53	0 52	22 43	0 29	16 52	0 45	23 16	0 25	8 24	9 4	4 59	4 22	13 25		n.a.
S 30	20 44	28 21	4 49	13 49	1 54	20 22	0 3	0 20	1 25	21 53	0 52	22 44	0 29	16 51	0 45	23 16	0 25	8 24	9 4	4 56	4 21	13 28		n.a.
M31	20n55	28n40	5n 6	14n28	1s42	20n40	0n 6	0n37	1s25	21s54	0s53	22n45	0s29	16n51	0n45	23s16	0n25	8s24	9n 4	4n53	4n20	13s31		n.a.

Julian Day Number = 1549510.5, Delta T = 04h31m52s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'23, Lahiri = -10°27'22 Julian Calendar 1 May 471 BCE == Greg. Calendar 26 Apr. 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

JUNE 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 13 50	3♊22'17	20♋56	15♉ 8	2♊ 1	5♈28	26°R57	18♊20	16♌26	3°R47	16°R50	12°R 5	10♈44	0♏51	n.a.	T 1
W 2	16 17 47	4°19'24	4♌30	16°49	3°14	6°11	26♑55	18°27	16°27	3♑45	16♏48	12♈ 0	10°41	0°57	n.a.	W 2
T 3	16 21 44	5°16'30	17°37	18°33	4°28	6°53	26°53	18°35	16°29	3°44	16°47	11°56	10°38	1° 4	n.a.	T 3
F 4	16 25 40	6°13'37	0♍18	20°20	5°42	7°35	26°50	18°43	16°31	3°43	16°45	11°55	10°35	1°11	n.a.	F 4
S 5	16 29 37	7°10'43	12°39	22°10	6°56	8°17	26°48	18°50	16°33	3°41	16°44	11°D55	10°32	1°17	n.a.	S 5
S 6	16 33 33	8° 7'49	24°44	24° 3	8° 9	8°59	26°45	18°58	16°34	3°40	16°42	11°56	10°29	1°24	n.a.	S 6
M 7	16 37 30	9° 4'55	6♎38	25°59	9°23	9°41	26°42	19° 6	16°36	3°38	16°41	11°R56	10°25	1°31	n.a.	M 7
T 8	16 41 26	10° 2'01	18°27	27°57	10°37	10°23	26°39	19°13	16°38	3°37	16°39	11°56	10°22	1°37	n.a.	T 8
W 9	16 45 23	10°59'08	0♏14	29°58	11°51	11° 4	26°36	19°21	16°40	3°36	16°38	11°54	10°19	1°44	n.a.	W 9
T 10	16 49 19	11°56'14	12° 4	2♊ 0	13° 5	11°46	26°33	19°29	16°42	3°34	16°36	11°50	10°16	1°51	n.a.	T 10
F 11	16 53 16	12°53'21	24° 0	4° 4	14°18	12°27	26°29	19°37	16°45	3°33	16°35	11°44	10°13	1°57	n.a.	F 11
S 12	16 57 13	13°50'29	6♐ 5	6°10	15°32	13° 9	26°25	19°44	16°47	3°31	16°34	11°35	10°10	2° 4	n.a.	S 12
S 13	17 1 9	14°47'36	18°20	8°16	16°46	13°50	26°21	19°52	16°49	3°30	16°32	11°25	10° 6	2°11	n.a.	S 13
M14	17 5 6	15°44'45	0♑45	10°24	18° 0	14°31	26°17	20° 0	16°51	3°28	16°31	11°13	10° 3	2°17	n.a.	M14
T 15	17 9 2	16°41'54	13°22	12°32	19°14	15°12	26°13	20° 8	16°53	3°27	16°30	11° 2	10° 0	2°24	n.a.	T 15
W16	17 12 59	17°39'03	26°11	14°40	20°28	15°53	26° 9	20°16	16°56	3°25	16°28	10°53	9°57	2°31	n.a.	W16
T 17	17 16 55	18°36'14	9♒11	16°48	21°41	16°34	26° 4	20°23	16°58	3°23	16°27	10°45	9°54	2°37	n.a.	T 17
F 18	17 20 52	19°33'25	22°25	18°56	22°55	17°15	25°59	20°31	17° 1	3°22	16°26	10°40	9°50	2°44	n.a.	F 18
S 19	17 24 49	20°30'37	5♓51	21° 3	24° 9	17°56	25°54	20°39	17° 3	3°20	16°25	10°37	9°47	2°51	n.a.	S 19
S 20	17 28 45	21°27'50	19°33	23°10	25°23	18°37	25°49	20°47	17° 6	3°19	16°23	10°D36	9°44	2°57	n.a.	S 20
M21	17 32 42	22°25'04	3♈29	25°16	26°37	19°17	25°44	20°55	17° 8	3°17	16°22	10°R36	9°41	3° 4	n.a.	M21
T 22	17 36 38	23°22'19	17°42	27°20	27°51	19°58	25°39	21° 2	17°11	3°16	16°21	10°36	9°38	3°11	n.a.	T 22
W23	17 40 35	24°19'35	2♉ 8	29°24	29° 5	20°38	25°33	21°10	17°13	3°14	16°20	10°35	9°35	3°17	n.a.	W23
T 24	17 44 31	25°16'52	16°46	1♋26	0♋19	21°18	25°27	21°18	17°16	3°12	16°19	10°31	9°31	3°24	n.a.	T 24
F 25	17 48 28	26°14'11	1♊31	3°26	1°33	21°59	25°21	21°26	17°19	3°11	16°18	10°25	9°28	3°31	n.a.	F 25
S 26	17 52 24	27°11'30	16°15	5°25	2°47	22°39	25°16	21°34	17°21	3° 9	16°16	10°16	9°25	3°37	n.a.	S 26
S 27	17 56 21	28° 8'51	0♋50	7°23	4° 1	23°18	25° 9	21°41	17°24	3° 8	16°15	10° 5	9°22	3°44	n.a.	S 27
M28	18 0 18	29° 6'12	15°10	9°19	5°15	23°58	25° 3	21°49	17°27	3° 6	16°14	9°54	9°19	3°51	n.a.	M28
T 29	18 4 14	0♌ 3'34	29° 8	11°13	6°29	24°38	24°57	21°57	17°30	3° 4	16°13	9°43	9°16	3°57	n.a.	T 29
W30	18 8 11	1♌ 0'57	12♌41	13♌ 6	7♋43	25♈18	24♑50	22♊ 5	17♌32	3♑ 3	16♏12	9♈34	9♈12	4♏ 4	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 6	27n 6	5n 4	15n 8	1s31	20n58	0n 8	0n54	1s25	21s55	0s53	22n45	0s29	16n50	0n45	23s17	0n25	8s23	9n 4	4n50	4n18	13s35		n.a.
W 2	21 17	23 59	4 44	15 49	1 19	21 15	0 10	1 11	1 25	21 55	0 53	22 46	0 29	16 50	0 45	23 17	0 25	8 23	9 4	4 48	4 17	13 38		n.a.
T 3	21 28	19 43	4 10	16 30	1 7	21 31	0 13	1 28	1 25	21 56	0 54	22 47	0 29	16 49	0 45	23 17	0 25	8 23	9 4	4 47	4 16	13 41		n.a.
F 4	21 38	14 42	3 25	17 11	0 55	21 47	0 15	1 45	1 24	21 57	0 54	22 48	0 29	16 48	0 45	23 17	0 25	8 23	9 3	4 46	4 15	13 44		n.a.
S 5	21 48	9 13	2 31	17 51	0 43	22 2	0 17	2 2	1 24	21 57	0 54	22 48	0 28	16 48	0 45	23 17	0 25	8 22	9 3	4 46	4 13	13 47		n.a.
S 6	21 57	3 31	1 31	18 32	0 31	22 17	0 20	2 19	1 24	21 58	0 54	22 49	0 28	16 47	0 45	23 17	0 25	8 22	9 3	4 46	4 12	13 50		n.a.
M 7	22 6	2s14	0 28	19 11	0 19	22 31	0 22	2 36	1 24	21 59	0 55	22 50	0 28	16 47	0 45	23 17	0 25	8 22	9 3	4 47	4 11	13 53		n.a.
T 8	22 15	7 51	0s35	19 50	0 8	22 44	0 24	2 53	1 23	22 0	0 55	22 51	0 28	16 46	0 45	23 17	0 25	8 22	9 2	4 47	4 10	13 57		n.a.
W 9	22 23	13 12	1 36	20 28	0n 4	22 56	0 26	3 10	1 23	22 1	0 55	22 51	0 28	16 45	0 45	23 17	0 25	8 22	9 2	4 46	4 8	14 0		n.a.
T 10	22 31	18 6	2 34	21 4	0 15	23 8	0 29	3 26	1 23	22 2	0 56	22 52	0 28	16 45	0 45	23 17	0 25	8 22	9 2	4 44	4 7	14 3		n.a.
F 11	22 39	22 20	3 25	21 39	0 25	23 20	0 31	3 43	1 23	22 3	0 56	22 53	0 28	16 44	0 45	23 17	0 25	8 21	9 2	4 42	4 6	14 6		n.a.
S 12	22 46	25 40	4 7	22 12	0 36	23 30	0 33	4 0	1 22	22 4	0 56	22 53	0 28	16 43	0 45	23 17	0 25	8 21	9 2	4 38	4 4	14 9		n.a.
S 13	22 52	27 52	4 39	22 43	0 45	23 40	0 35	4 16	1 22	22 5	0 56	22 54	0 28	16 43	0 45	23 17	0 25	8 21	9 1	4 34	4 3	14 12		n.a.
M14	22 59	28 43	4 58	23 12	0 54	23 50	0 37	4 33	1 22	22 6	0 57	22 55	0 28	16 42	0 45	23 17	0 25	8 21	9 1	4 30	4 2	14 15		n.a.
T 15	23 5	28 5	5 3	23 38	1 3	23 58	0 40	4 49	1 21	22 7	0 57	22 56	0 27	16 41	0 44	23 17	0 25	8 21	9 1	4 25	4 1	14 18		n.a.
W16	23 10	25 58	4 52	24 2	1 11	24 6	0 42	5 5	1 21	22 8	0 57	22 56	0 27	16 40	0 44	23 17	0 25	8 21	9 1	4 22	3 59	14 21		n.a.
T 17	23 15	22 28	4 27	24 23	1 18	24 13	0 44	5 21	1 21	22 9	0 57	22 57	0 27	16 40	0 44	23 17	0 25	8 21	9 0	4 18	3 58	14 25		n.a.
F 18	23 20	17 47	3 47	24 41	1 24	24 19	0 46	5 38	1 21	22 10	0 58	22 58	0 27	16 39	0 44	23 17	0 25	8 20	9 0	4 16	3 57	14 28		n.a.
S 19	23 25	12 10	2 53	24 57	1 30	24 25	0 48	5 54	1 20	22 12	0 58	22 58	0 27	16 38	0 44	23 17	0 25	8 20	9 0	4 15	3 56	14 31		n.a.
S 20	23 29	5 52	1 49	25 10	1 35	24 30	0 50	6 10	1 20	22 13	0 58	22 59	0 27	16 37	0 44	23 17	0 25	8 20	8 59	4 15	3 54	14 34		n.a.
M21	23 32	0n50	0 38	25 19	1 39	24 34	0 52	6 25	1 19	22 14	0 58	22 59	0 27	16 36	0 44	23 17	0 25	8 20	8 59	4 15	3 53	14 37		n.a.
T 22	23 35	7 37	0n38	25 27	1 43	24 38	0 54	6 41	1 19	22 15	0 59	23 0	0 27	16 36	0 44	23 18	0 25	8 20	8 59	4 15	3 52	14 40		n.a.
W23	23 38	14 7	1 52	25 31	1 46	24 40	0 55	6 57	1 19	22 17	0 59	23 1	0 27	16 35	0 44	23 18	0 25	8 20	8 59	4 14	3 51	14 43		n.a.
T 24	23 40	19 55	2 59	25 33	1 48	24 42	0 57	7 13	1 18	22 18	0 59	23 1	0 27	16 34	0 44	23 18	0 25	8 20	8 58	4 13	3 49	14 46		n.a.
F 25	23 42	24 34	3 55	25 32	1 49	24 44	0 59	7 28	1 18	22 19	0 59	23 2	0 27	16 33	0 44	23 18	0 25	8 20	8 58	4 10	3 48	14 49		n.a.
S 26	23 43	27 36	4 35	25 29	1 50	24 44	1 1	7 43	1 17	22 21	1 0	23 2	0 27	16 32	0 44	23 18	0 25	8 20	8 58	4 7	3 47	14 52		n.a.
S 27	23 44	28 42	4 57	25 23	1 50	24 44	1 2	7 59	1 17	22 22	1 0	23 3	0 26	16 31	0 44	23 18	0 25	8 20	8 57	4 3	3 46	14 55		n.a.
M28	23 45	27 50	5 0	25 15	1 50	24 43	1 4	8 14	1 17	22 23	1 0	23 4	0 26	16 30	0 44	23 18	0 25	8 20	8 57	3 58	3 44	14 58		n.a.
T 29	23 45	25 14	4 44	25 5	1 49	24 41	1 6	8 29	1 16	22 25	1 0	23 4	0 26	16 30	0 44	23 18	0 25	8 20	8 57	3 54	3 43	15 1		n.a.
W30	23n45	21n15	4n13	24n53	1n47	24n39	1n 7	8n44	1s16	22s26	1s 1	23n 5	0s26	16n29	0n44	23s18	0n25	8s20	8n57	3n50	3n42	15s 5		n.a.

Julian Day Number = 1549541.5, Delta T = 04h31m51s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'18, Lahiri = -10°27'18 Julian Calendar 1 June 471 BCE == Greg. Calendar 27 May 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

JULY 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 12 7	1♋58'21	25♌48	14♋58	8♋57	25♈57	24°R44	22♊12	17♌35	3°R 1	16°R11	9°R28	9♈ 9	4♏10	n.a.	T 1
F 2	18 16 4	2°55'46	8♍31	16°47	10°11	26°36	24♑37	22°20	17°38	2♑59	16♏10	9♈24	9° 6	4°17	n.a.	F 2
S 3	18 20 0	3°53'11	20°53	18°35	11°25	27°16	24°30	22°28	17°41	2°58	16° 9	9°22	9° 3	4°24	n.a.	S 3
S 4	18 23 57	4°50'38	2♎58	20°22	12°39	27°55	24°23	22°36	17°44	2°56	16° 8	9°21	9° 0	4°30	n.a.	S 4
M 5	18 27 53	5°48'05	14°53	22° 7	13°53	28°34	24°16	22°43	17°47	2°55	16° 8	9°21	8°56	4°37	n.a.	M 5
T 6	18 31 50	6°45'33	26°42	23°50	15° 7	29°13	24° 9	22°51	17°50	2°53	16° 7	9°21	8°53	4°44	n.a.	T 6
W 7	18 35 47	7°43'02	8♏31	25°32	16°21	29°52	24° 2	22°58	17°53	2°51	16° 6	9°18	8°50	4°50	n.a.	W 7
T 8	18 39 43	8°40'33	20°24	27°12	17°36	0♉30	23°55	23° 6	17°57	2°50	16° 5	9°13	8°47	4°57	n.a.	T 8
F 9	18 43 40	9°38'04	2♐26	28°50	18°50	1° 9	23°47	23°14	18° 0	2°48	16° 4	9° 6	8°44	5° 4	n.a.	F 9
S 10	18 47 36	10°35'37	14°40	0♌27	20° 4	1°47	23°40	23°21	18° 3	2°46	16° 4	8°56	8°41	5°10	n.a.	S 10
S 11	18 51 33	11°33'10	27° 7	2° 3	21°18	2°25	23°32	23°29	18° 6	2°45	16° 3	8°44	8°37	5°17	n.a.	S 11
M12	18 55 29	12°30'46	9♑49	3°37	22°32	3° 4	23°25	23°36	18° 9	2°43	16° 2	8°31	8°34	5°24	n.a.	M12
T 13	18 59 26	13°28'22	22°45	5° 9	23°46	3°42	23°17	23°44	18°13	2°42	16° 1	8°18	8°31	5°30	n.a.	T 13
W14	19 3 22	14°26'00	5♒54	6°40	25° 0	4°19	23°10	23°51	18°16	2°40	16° 1	8° 7	8°28	5°37	n.a.	W14
T 15	19 7 19	15°23'39	19°15	8° 9	26°14	4°57	23° 2	23°59	18°19	2°38	16° 0	7°58	8°25	5°44	n.a.	T 15
F 16	19 11 16	16°21'20	2♓47	9°37	27°29	5°35	22°54	24° 6	18°22	2°37	16° 0	7°52	8°22	5°50	n.a.	F 16
S 17	19 15 12	17°19'03	16°28	11° 3	28°43	6°12	22°46	24°14	18°26	2°35	15°59	7°48	8°18	5°57	n.a.	S 17
S 18	19 19 9	18°16'47	0♈17	12°28	29°57	6°50	22°38	24°21	18°29	2°34	15°59	7°47	8°15	6° 4	n.a.	S 18
M19	19 23 5	19°14'33	14°14	13°51	1♌11	7°27	22°31	24°28	18°33	2°32	15°58	7°47	8°12	6°10	n.a.	M19
T 20	19 27 2	20°12'21	28°20	15°12	2°25	8° 4	22°23	24°36	18°36	2°31	15°58	7°47	8° 9	6°17	n.a.	T 20
W21	19 30 58	21°10'11	12♉33	16°31	3°39	8°41	22°15	24°43	18°40	2°29	15°57	7°45	8° 6	6°24	n.a.	W21
T 22	19 34 55	22° 8'03	26°51	17°49	4°54	9°18	22° 7	24°50	18°43	2°28	15°57	7°42	8° 2	6°30	n.a.	T 22
F 23	19 38 51	23° 5'57	11♊12	19° 5	6° 8	9°54	21°59	24°58	18°46	2°26	15°56	7°35	7°59	6°37	n.a.	F 23
S 24	19 42 48	24° 3'53	25°31	20°19	7°22	10°31	21°51	25° 5	18°50	2°25	15°56	7°27	7°56	6°44	n.a.	S 24
S 25	19 46 45	25° 1'51	9♋43	21°32	8°36	11° 7	21°43	25°12	18°54	2°23	15°56	7°16	7°53	6°50	n.a.	S 25
M26	19 50 41	25°59'50	23°43	22°42	9°51	11°44	21°35	25°19	18°57	2°22	15°55	7° 5	7°50	6°57	n.a.	M26
T 27	19 54 38	26°57'51	7♌25	23°50	11° 5	12°20	21°28	25°26	19° 1	2°20	15°55	6°54	7°47	7° 4	n.a.	T 27
W28	19 58 34	27°55'54	20°48	24°56	12°19	12°55	21°20	25°33	19° 4	2°19	15°55	6°45	7°43	7°10	n.a.	W28
T 29	20 2 31	28°53'58	3♍48	25°59	13°33	13°31	21°12	25°40	19° 8	2°17	15°55	6°38	7°40	7°17	n.a.	T 29
F 30	20 6 27	29°52'04	16°28	27° 0	14°48	14° 7	21° 4	25°47	19°11	2°16	15°55	6°34	7°37	7°24	n.a.	F 30
S 31	20 10 24	0♌50'12	28♍48	27♌59	16♌ 2	14♉42	20♑57	25♊54	19♌15	2♑15	15♏55	6♈32	7♈34	7♏30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n44	16n21	3n29	24n39	1n45	24n35	1n 9	8n59	1s15	22s27	1s 1	23n 5	0s26	16n28	0n44	23s18	0n25	8s20	8n56	3n48	3n40	15s 8		n.a.
F 2	23 43	10 53	2 36	24 23	1 42	24 31	1 10	9 14	1 15	22 29	1 1	23 6	0 26	16 27	0 44	23 18	0 25	8 20	8 56	3 46	3 39	15 11		n.a.
S 3	23 42	5 8	1 36	24 5	1 39	24 27	1 11	9 29	1 14	22 30	1 1	23 6	0 26	16 26	0 44	23 18	0 25	8 20	8 56	3 45	3 38	15 14		n.a.
S 4	23 40	0s41	0 34	23 46	1 36	24 21	1 13	9 43	1 14	22 32	1 1	23 7	0 26	16 25	0 44	23 18	0 25	8 20	8 55	3 45	3 37	15 17		n.a.
M 5	23 38	6 23	0s29	23 25	1 31	24 15	1 14	9 58	1 13	22 33	1 2	23 7	0 26	16 24	0 44	23 18	0 25	8 20	8 55	3 45	3 35	15 20		n.a.
T 6	23 35	11 50	1 31	23 3	1 27	24 8	1 15	10 12	1 13	22 35	1 2	23 8	0 26	16 23	0 44	23 18	0 25	8 20	8 55	3 45	3 34	15 23		n.a.
W 7	23 32	16 51	2 28	22 39	1 22	24 0	1 17	10 27	1 12	22 36	1 2	23 8	0 26	16 22	0 44	23 18	0 25	8 20	8 54	3 44	3 33	15 26		n.a.
T 8	23 28	21 16	3 19	22 15	1 17	23 52	1 18	10 41	1 12	22 38	1 2	23 9	0 26	16 21	0 44	23 18	0 25	8 21	8 54	3 42	3 32	15 29		n.a.
F 9	23 24	24 52	4 2	21 49	1 11	23 43	1 19	10 55	1 11	22 39	1 2	23 9	0 25	16 20	0 44	23 18	0 25	8 21	8 54	3 39	3 30	15 32		n.a.
S 10	23 20	27 24	4 34	21 22	1 5	23 33	1 20	11 9	1 11	22 41	1 3	23 10	0 25	16 19	0 44	23 18	0 25	8 21	8 53	3 35	3 29	15 35		n.a.
S 11	23 15	28 37	4 54	20 55	0 58	23 22	1 21	11 23	1 10	22 42	1 3	23 10	0 25	16 18	0 44	23 18	0 25	8 21	8 53	3 30	3 28	15 38		n.a.
M12	23 9	28 22	5 0	20 26	0 52	23 11	1 22	11 36	1 10	22 44	1 3	23 11	0 25	16 17	0 44	23 19	0 25	8 21	8 53	3 25	3 27	15 41		n.a.
T 13	23 4	26 35	4 51	19 57	0 45	22 59	1 22	11 50	1 9	22 45	1 3	23 11	0 25	16 16	0 44	23 19	0 25	8 21	8 52	3 20	3 25	15 44		n.a.
W14	22 58	23 20	4 26	19 27	0 37	22 46	1 23	12 3	1 8	22 47	1 3	23 12	0 25	16 15	0 44	23 19	0 25	8 21	8 52	3 16	3 24	15 47		n.a.
T 15	22 51	18 49	3 47	18 57	0 30	22 33	1 24	12 17	1 8	22 48	1 4	23 12	0 25	16 14	0 44	23 19	0 25	8 22	8 52	3 12	3 23	15 50		n.a.
F 16	22 44	13 19	2 54	18 26	0 22	22 19	1 25	12 30	1 7	22 50	1 4	23 12	0 25	16 13	0 44	23 19	0 25	8 22	8 51	3 9	3 21	15 53		n.a.
S 17	22 37	7 6	1 50	17 54	0 14	22 5	1 25	12 43	1 7	22 51	1 4	23 13	0 25	16 12	0 44	23 19	0 25	8 22	8 51	3 8	3 20	15 56		n.a.
S 18	22 29	0 29	0 40	17 23	0 6	21 49	1 26	12 56	1 6	22 53	1 4	23 13	0 25	16 11	0 44	23 19	0 25	8 22	8 50	3 8	3 19	15 59		n.a.
M19	22 21	6n13	0n34	16 50	0s 3	21 33	1 26	13 9	1 5	22 54	1 4	23 14	0 25	16 9	0 44	23 19	0 25	8 22	8 50	3 8	3 18	16 2		n.a.
T 20	22 13	12 41	1 47	16 18	0 12	21 17	1 26	13 22	1 5	22 56	1 4	23 14	0 25	16 8	0 44	23 19	0 25	8 23	8 50	3 7	3 16	16 5		n.a.
W21	22 4	18 33	2 53	15 46	0 21	21 0	1 27	13 34	1 4	22 57	1 4	23 14	0 25	16 7	0 44	23 19	0 25	8 23	8 49	3 7	3 15	16 8		n.a.
T 22	21 55	23 25	3 49	15 13	0 30	20 42	1 27	13 47	1 3	22 58	1 5	23 15	0 25	16 6	0 44	23 19	0 25	8 23	8 49	3 5	3 14	16 11		n.a.
F 23	21 45	26 53	4 31	14 41	0 39	20 24	1 27	13 59	1 3	23 0	1 5	23 15	0 24	16 5	0 44	23 19	0 25	8 23	8 49	3 3	3 13	16 14		n.a.
S 24	21 35	28 36	4 55	14 8	0 48	20 5	1 27	14 11	1 2	23 1	1 5	23 15	0 24	16 4	0 44	23 19	0 25	8 23	8 48	2 59	3 11	16 17		n.a.
S 25	21 24	28 24	5 1	13 36	0 58	19 45	1 27	14 23	1 1	23 3	1 5	23 16	0 24	16 3	0 44	23 19	0 25	8 24	8 48	2 55	3 10	16 20		n.a.
M26	21 14	26 23	4 49	13 4	1 7	19 25	1 27	14 35	1 1	23 4	1 5	23 16	0 24	16 2	0 44	23 19	0 25	8 24	8 48	2 51	3 9	16 23		n.a.
T 27	21 2	22 51	4 21	12 33	1 17	19 4	1 27	14 47	1 0	23 5	1 5	23 16	0 24	16 1	0 44	23 19	0 25	8 24	8 47	2 46	3 7	16 26		n.a.
W28	20 51	18 11	3 38	12 1	1 27	18 43	1 27	14 59	0 59	23 7	1 5	23 17	0 24	15 59	0 44	23 19	0 25	8 25	8 47	2 43	3 6	16 29		n.a.
T 29	20 39	12 48	2 45	11 31	1 36	18 22	1 27	15 10	0 59	23 8	1 5	23 17	0 24	15 58	0 44	23 19	0 25	8 25	8 46	2 40	3 5	16 32		n.a.
F 30	20 27	7 1	1 45	11 1	1 46	17 59	1 27	15 22	0 58	23 9	1 5	23 17	0 24	15 57	0 44	23 19	0 25	8 25	8 46	2 38	3 4	16 35		n.a.
S 31	20n14	1n 7	0n41	10n31	1s56	17n37	1n26	15n33	0s57	23s11	1s 6	23n18	0s24	15n56	0n43	23s19	0n25	8s26	8n46	2n38	3n 2	16s37		n.a.

Julian Day Number = 1549571.5, Delta T = 04h31m49s
Ecliptic obliquity = 23°45'16, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'14, Lahiri = -10°27'14 Julian Calendar 1 July 471 BCE == Greg. Calendar 26 June 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

AUGUST 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 14 20	1♌48'21	10♎54	28♌55	17♌16	15♉17	20°R49	26♊ 1	19♌19	2°R13	15°R54	6°D32	7♈31	7♏37	n.a.	S 1
M 2	20 18 17	2°46'32	22°49	29°48	18°30	15°52	20♑41	26° 7	19°22	2♑12	15♏54	6♈33	7°28	7°44	n.a.	M 2
T 3	20 22 14	3°44'44	4♏39	0♍38	19°45	16°27	20°34	26°14	19°26	2°11	15°D54	6°R33	7°24	7°50	n.a.	T 3
W 4	20 26 10	4°42'58	16°29	1°24	20°59	17° 2	20°27	26°21	19°30	2° 9	15°54	6°32	7°21	7°57	n.a.	W 4
T 5	20 30 7	5°41'13	28°24	2° 7	22°13	17°36	20°19	26°28	19°33	2° 8	15°54	6°29	7°18	8° 4	n.a.	T 5
F 6	20 34 3	6°39'31	10♐30	2°46	23°27	18°11	20°12	26°34	19°37	2° 7	15°55	6°24	7°15	8°10	n.a.	F 6
S 7	20 38 0	7°37'50	22°49	3°22	24°42	18°45	20° 5	26°41	19°41	2° 5	15°55	6°17	7°12	8°17	n.a.	S 7
S 8	20 41 56	8°36'11	5♑26	3°53	25°56	19°19	19°58	26°47	19°45	2° 4	15°55	6° 8	7° 8	8°24	n.a.	S 8
M 9	20 45 53	9°34'33	18°21	4°19	27°10	19°53	19°51	26°54	19°48	2° 3	15°55	5°59	7° 5	8°30	n.a.	M 9
T 10	20 49 49	10°32'58	1♒35	4°41	28°24	20°26	19°44	27° 0	19°52	2° 2	15°55	5°49	7° 2	8°37	n.a.	T 10
W11	20 53 46	11°31'24	15° 6	4°57	29°39	21° 0	19°37	27° 6	19°56	2° 1	15°55	5°40	6°59	8°44	n.a.	W11
T 12	20 57 43	12°29'53	28°51	5° 7	0♍53	21°33	19°30	27°13	20° 0	2° 0	15°56	5°34	6°56	8°50	n.a.	T 12
F 13	21 1 39	13°28'23	12♓47	5°R12	2° 7	22° 6	19°24	27°19	20° 3	1°58	15°56	5°29	6°53	8°57	n.a.	F 13
S 14	21 5 36	14°26'55	26°51	5°11	3°21	22°38	19°17	27°25	20° 7	1°57	15°56	5°27	6°49	9° 4	n.a.	S 14
S 15	21 9 32	15°25'30	11♈ 0	5° 3	4°35	23°11	19°11	27°31	20°11	1°56	15°57	5°D27	6°46	9°10	n.a.	S 15
M16	21 13 29	16°24'07	25°10	4°48	5°50	23°43	19° 5	27°37	20°15	1°55	15°57	5°28	6°43	9°17	n.a.	M16
T 17	21 17 25	17°22'47	9♉21	4°26	7° 4	24°16	18°59	27°43	20°19	1°54	15°57	5°29	6°40	9°24	n.a.	T 17
W18	21 21 22	18°21'29	23°29	3°57	8°18	24°48	18°53	27°49	20°22	1°53	15°58	5°R29	6°37	9°30	n.a.	W18
T 19	21 25 18	19°20'13	7♊35	3°22	9°32	25°19	18°47	27°55	20°26	1°52	15°58	5°27	6°34	9°37	n.a.	T 19
F 20	21 29 15	20°19'00	21°36	2°39	10°47	25°51	18°41	28° 1	20°30	1°51	15°59	5°24	6°30	9°44	n.a.	F 20
S 21	21 33 12	21°17'49	5♋31	1°50	12° 1	26°22	18°36	28° 7	20°34	1°50	16° 0	5°19	6°27	9°50	n.a.	S 21
S 22	21 37 8	22°16'41	19°16	0°56	13°15	26°53	18°31	28°12	20°38	1°49	16° 0	5°12	6°24	9°57	n.a.	S 22
M23	21 41 5	23°15'35	2♌49	29♌56	14°29	27°24	18°25	28°18	20°41	1°49	16° 1	5° 5	6°21	10° 4	n.a.	M23
T 24	21 45 1	24°14'31	16° 9	28°53	15°43	27°54	18°20	28°23	20°45	1°48	16° 1	4°58	6°18	10°10	n.a.	T 24
W25	21 48 58	25°13'29	29°12	27°47	16°58	28°25	18°15	28°29	20°49	1°47	16° 2	4°52	6°14	10°17	n.a.	W25
T 26	21 52 54	26°12'29	11♍59	26°40	18°12	28°55	18°11	28°34	20°53	1°46	16° 3	4°48	6°11	10°24	n.a.	T 26
F 27	21 56 51	27°11'31	24°29	25°33	19°26	29°24	18° 6	28°39	20°56	1°45	16° 4	4°46	6° 8	10°30	n.a.	F 27
S 28	22 0 47	28°10'35	6♎44	24°30	20°40	29°54	18° 2	28°45	21° 0	1°45	16° 4	4°D45	6° 5	10°37	n.a.	S 28
S 29	22 4 44	29° 9'41	18°47	23°30	21°54	0♊23	17°58	28°50	21° 4	1°44	16° 5	4°46	6° 2	10°44	n.a.	S 29
M30	22 8 40	0♍ 8'50	0♏41	22°36	23° 8	0°52	17°54	28°55	21° 8	1°43	16° 6	4°48	5°59	10°50	n.a.	M30
T 31	22 12 37	1♍ 8'00	12♏31	21♌49	24♍23	1♊20	17♑50	29♊ 0	21♌12	1♑43	16♏ 7	4♈49	5♈55	10♏57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n 1	4s43	0s23	10n 2	2s 6	17n14	1n26	15n44	0s56	23s12	1s 6	23n18	0s24	15n55	0n43	23s19	0n25	8s26	8n45	2n38	3n 1	16s40		n.a.
M 2	19 48	10 19	1 26	9 35	2 16	16 50	1 25	15 55	0 56	23 13	1 6	23 18	0 24	15 54	0 43	23 19	0 25	8 26	8 45	2 38	3 0	16 43		n.a.
T 3	19 34	15 30	2 24	9 8	2 25	16 26	1 25	16 6	0 55	23 14	1 6	23 18	0 24	15 52	0 43	23 20	0 25	8 27	8 44	2 38	2 59	16 46		n.a.
W 4	19 20	20 7	3 17	8 43	2 35	16 1	1 24	16 17	0 54	23 16	1 6	23 19	0 24	15 51	0 43	23 20	0 25	8 27	8 44	2 38	2 57	16 49		n.a.
T 5	19 6	23 58	4 1	8 18	2 44	15 36	1 24	16 28	0 53	23 17	1 6	23 19	0 24	15 50	0 43	23 20	0 25	8 27	8 44	2 37	2 56	16 52		n.a.
F 6	18 51	26 51	4 35	7 56	2 53	15 11	1 23	16 38	0 52	23 18	1 6	23 19	0 23	15 49	0 43	23 20	0 25	8 28	8 43	2 35	2 55	16 55		n.a.
S 7	18 36	28 30	4 57	7 34	3 2	14 45	1 22	16 48	0 51	23 19	1 6	23 19	0 23	15 48	0 43	23 20	0 25	8 28	8 43	2 32	2 53	16 58		n.a.
S 8	18 21	28 43	5 5	7 15	3 11	14 19	1 21	16 58	0 51	23 20	1 6	23 20	0 23	15 46	0 43	23 20	0 25	8 29	8 43	2 28	2 52	17 1		n.a.
M 9	18 5	27 24	4 58	6 58	3 19	13 52	1 20	17 9	0 50	23 21	1 6	23 20	0 23	15 45	0 43	23 20	0 25	8 29	8 42	2 24	2 51	17 4		n.a.
T 10	17 49	24 32	4 35	6 43	3 27	13 25	1 19	17 18	0 49	23 22	1 6	23 20	0 23	15 44	0 43	23 20	0 25	8 29	8 42	2 20	2 50	17 7		n.a.
W11	17 33	20 17	3 56	6 30	3 35	12 58	1 18	17 28	0 48	23 23	1 6	23 20	0 23	15 43	0 43	23 20	0 24	8 30	8 41	2 17	2 48	17 10		n.a.
T 12	17 17	14 53	3 3	6 20	3 41	12 30	1 17	17 38	0 47	23 24	1 6	23 20	0 23	15 42	0 43	23 20	0 24	8 30	8 41	2 14	2 47	17 13		n.a.
F 13	17 0	8 40	1 59	6 12	3 47	12 2	1 16	17 47	0 46	23 25	1 6	23 21	0 23	15 40	0 43	23 20	0 24	8 31	8 41	2 12	2 46	17 15		n.a.
S 14	16 43	1 58	0 46	6 8	3 53	11 34	1 15	17 57	0 45	23 26	1 6	23 21	0 23	15 39	0 43	23 20	0 24	8 31	8 40	2 12	2 45	17 18		n.a.
S 15	16 25	4n52	0n30	6 7	3 57	11 5	1 13	18 6	0 44	23 27	1 6	23 21	0 23	15 38	0 43	23 20	0 24	8 32	8 40	2 11	2 43	17 21		n.a.
M16	16 8	11 29	1 44	6 10	4 0	10 36	1 12	18 15	0 43	23 28	1 6	23 21	0 23	15 37	0 43	23 20	0 24	8 32	8 40	2 12	2 42	17 24		n.a.
T 17	15 50	17 31	2 52	6 16	4 2	10 7	1 10	18 24	0 42	23 29	1 6	23 21	0 23	15 36	0 43	23 20	0 24	8 33	8 39	2 12	2 41	17 27		n.a.
W18	15 32	22 36	3 50	6 26	4 2	9 38	1 9	18 33	0 41	23 30	1 6	23 21	0 23	15 34	0 43	23 20	0 24	8 33	8 39	2 12	2 40	17 30		n.a.
T 19	15 13	26 21	4 33	6 40	4 1	9 8	1 7	18 41	0 40	23 31	1 6	23 22	0 23	15 33	0 43	23 20	0 24	8 34	8 38	2 12	2 38	17 33		n.a.
F 20	14 54	28 28	5 0	6 58	3 58	8 38	1 6	18 50	0 39	23 32	1 6	23 22	0 23	15 32	0 43	23 20	0 24	8 34	8 38	2 10	2 37	17 36		n.a.
S 21	14 35	28 47	5 9	7 20	3 54	8 8	1 4	18 58	0 38	23 32	1 6	23 22	0 23	15 31	0 43	23 20	0 24	8 35	8 38	2 8	2 36	17 38		n.a.
S 22	14 16	27 17	4 59	7 45	3 47	7 37	1 2	19 7	0 37	23 33	1 6	23 22	0 22	15 29	0 43	23 20	0 24	8 35	8 37	2 6	2 34	17 41		n.a.
M23	13 57	24 13	4 34	8 14	3 38	7 7	1 0	19 15	0 36	23 34	1 6	23 22	0 22	15 28	0 43	23 20	0 24	8 36	8 37	2 3	2 33	17 44		n.a.
T 24	13 37	19 54	3 53	8 46	3 28	6 36	0 59	19 23	0 35	23 34	1 6	23 22	0 22	15 27	0 43	23 20	0 24	8 36	8 36	2 0	2 32	17 47		n.a.
W25	13 17	14 43	3 1	9 21	3 15	6 5	0 57	19 31	0 34	23 35	1 6	23 22	0 22	15 26	0 43	23 20	0 24	8 37	8 36	1 58	2 31	17 50		n.a.
T 26	12 57	9 1	2 1	9 57	3 1	5 34	0 55	19 38	0 33	23 36	1 6	23 23	0 22	15 25	0 43	23 20	0 24	8 37	8 36	1 56	2 29	17 53		n.a.
F 27	12 36	3 4	0 56	10 35	2 45	5 3	0 53	19 46	0 32	23 36	1 6	23 23	0 22	15 23	0 43	23 20	0 24	8 38	8 35	1 55	2 28	17 56		n.a.
S 28	12 16	2s53	0s11	11 13	2 27	4 31	0 51	19 53	0 31	23 37	1 6	23 23	0 22	15 22	0 43	23 20	0 24	8 39	8 35	1 55	2 27	17 58		n.a.
S 29	11 55	8 37	1 16	11 51	2 9	4 0	0 49	20 1	0 30	23 37	1 6	23 23	0 22	15 21	0 43	23 21	0 24	8 39	8 35	1 55	2 26	18 1		n.a.
M30	11 34	14 0	2 17	12 27	1 49	3 28	0 46	20 8	0 29	23 38	1 6	23 23	0 22	15 20	0 43	23 21	0 24	8 40	8 34	1 56	2 24	18 4		n.a.
T 31	11n13	18s50	3s12	13n 1	1s29	2n56	0n44	20n15	0s28	23s38	1s 6	23n23	0s22	15n18	0n43	23s21	0n24	8s40	8n34	1n56	2n23	18s 7		n.a.

Julian Day Number = 1549602.5, Delta T = 04h31m48s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'10, Lahiri = -10°27'10 Julian Calendar 1 Aug. 471 BCE == Greg. Calendar 27 July 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

SEPTEMBER 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 16 34	2♍ 7'12	24♏21	21°R11	25♍37	1♊49	17°R46	29♊ 5	21♌15	1°R42	16♏ 8	4♈51	5♈52	11♏ 4	n.a.	W 1
T 2	22 20 30	3° 6'26	6♐16	20♌42	26°51	2°17	17♑43	29° 9	21°19	1♑41	16° 9	4°R51	5°49	11°10	n.a.	T 2
F 3	22 24 27	4° 5'42	18°21	20°23	28° 5	2°45	17°39	29°14	21°23	1°41	16°10	4°50	5°46	11°17	n.a.	F 3
S 4	22 28 23	5° 4'59	0♑41	20°D15	29°19	3°12	17°36	29°19	21°26	1°40	16°11	4°47	5°43	11°24	n.a.	S 4
S 5	22 32 20	6° 4'19	13°20	20°17	0♎33	3°39	17°34	29°23	21°30	1°40	16°12	4°44	5°40	11°30	n.a.	S 5
M 6	22 36 16	7° 3'41	26°21	20°30	1°47	4° 6	17°31	29°28	21°34	1°39	16°13	4°40	5°36	11°37	n.a.	M 6
T 7	22 40 13	8° 3'04	9♒45	20°54	3° 1	4°33	17°28	29°32	21°38	1°39	16°14	4°35	5°33	11°44	n.a.	T 7
W 8	22 44 9	9° 2'30	23°31	21°27	4°15	4°59	17°26	29°37	21°41	1°39	16°15	4°32	5°30	11°50	n.a.	W 8
T 9	22 48 6	10° 1'58	7♓36	22° 9	5°30	5°25	17°24	29°41	21°45	1°38	16°16	4°29	5°27	11°57	n.a.	T 9
F 10	22 52 3	11° 1'27	21°58	22°59	6°44	5°50	17°22	29°45	21°49	1°38	16°17	4°27	5°24	12° 4	n.a.	F 10
S 11	22 55 59	12° 0'59	6♈29	23°58	7°58	6°15	17°20	29°49	21°52	1°38	16°19	4°D27	5°20	12°10	n.a.	S 11
S 12	22 59 56	13° 0'33	21° 4	25° 3	9°12	6°40	17°19	29°53	21°56	1°37	16°20	4°27	5°17	12°17	n.a.	S 12
M13	23 3 52	14° 0'10	5♉38	26°14	10°26	7° 5	17°17	29°57	21°59	1°37	16°21	4°28	5°14	12°24	n.a.	M13
T 14	23 7 49	14°59'49	20° 6	27°30	11°40	7°29	17°16	0♋ 0	22° 3	1°37	16°22	4°30	5°11	12°31	n.a.	T 14
W15	23 11 45	15°59'30	4♊23	28°52	12°54	7°52	17°15	0° 4	22° 6	1°37	16°24	4°31	5° 8	12°37	n.a.	W15
T 16	23 15 42	16°59'14	18°29	0♍17	14° 8	8°16	17°15	0° 8	22°10	1°37	16°25	4°R31	5° 5	12°44	n.a.	T 16
F 17	23 19 38	17°59'00	2♋20	1°45	15°21	8°39	17°14	0°11	22°14	1°36	16°26	4°31	5° 1	12°51	n.a.	F 17
S 18	23 23 35	18°58'49	15°57	3°16	16°35	9° 1	17°14	0°15	22°17	1°36	16°28	4°29	4°58	12°57	n.a.	S 18
S 19	23 27 32	19°58'40	29°20	4°50	17°49	9°23	17°D14	0°18	22°21	1°D36	16°29	4°28	4°55	13° 4	n.a.	S 19
M20	23 31 28	20°58'33	12♌29	6°25	19° 3	9°45	17°14	0°21	22°24	1°36	16°31	4°26	4°52	13°11	n.a.	M20
T 21	23 35 25	21°58'29	25°24	8° 2	20°17	10° 6	17°14	0°24	22°27	1°36	16°32	4°24	4°49	13°17	n.a.	T 21
W22	23 39 21	22°58'26	8♍ 6	9°40	21°31	10°27	17°15	0°27	22°31	1°37	16°34	4°22	4°46	13°24	n.a.	W22
T 23	23 43 18	23°58'26	20°35	11°18	22°45	10°47	17°15	0°30	22°34	1°37	16°35	4°21	4°42	13°31	n.a.	T 23
F 24	23 47 14	24°58'28	2♎52	12°58	23°59	11° 7	17°16	0°33	22°38	1°37	16°37	4°D21	4°39	13°37	n.a.	F 24
S 25	23 51 11	25°58'31	14°59	14°38	25°13	11°27	17°17	0°35	22°41	1°37	16°38	4°21	4°36	13°44	n.a.	S 25
S 26	23 55 7	26°58'37	26°57	16°18	26°27	11°46	17°19	0°38	22°44	1°37	16°40	4°22	4°33	13°51	n.a.	S 26
M27	23 59 4	27°58'44	8♏48	17°58	27°40	12° 4	17°20	0°41	22°48	1°37	16°42	4°22	4°30	13°57	n.a.	M27
T 28	0 3 0	28°58'54	20°37	19°39	28°54	12°22	17°22	0°43	22°51	1°38	16°43	4°23	4°26	14° 4	n.a.	T 28
W29	0 6 57	29°59'05	2♐26	21°19	0♏ 8	12°39	17°24	0°45	22°54	1°38	16°45	4°24	4°23	14°11	n.a.	W29
T 30	0 10 54	0♎59'18	14♐20	22♍59	1♏22	12♊56	17♑26	0♋47	22♌57	1♑38	16♏47	4♈24	4♈20	14♏17	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n51	22s57	3s59	13n32	1s 9	2n24	0n42	20n22	0s26	23s39	1s 6	23n23	0s22	15n17	0n43	23s21	0n24	8s41	8n33	1n57	2n22	18s10		n.a.
T 2	10 30	26 9	4 35	14 0	0 49	1 52	0 40	20 29	0 25	23 39	1 6	23 23	0 22	15 16	0 44	23 21	0 24	8 42	8 33	1 57	2 20	18 12		n.a.
F 3	10 8	28 13	5 0	14 25	0 30	1 20	0 37	20 36	0 24	23 40	1 6	23 23	0 22	15 15	0 44	23 21	0 24	8 42	8 33	1 57	2 19	18 15		n.a.
S 4	9 46	28 58	5 12	14 45	0 11	0 48	0 35	20 42	0 23	23 40	1 6	23 23	0 22	15 14	0 44	23 21	0 24	8 43	8 32	1 56	2 18	18 18		n.a.
S 5	9 24	28 13	5 10	15 1	0n 6	0 16	0 32	20 49	0 21	23 40	1 6	23 24	0 22	15 12	0 44	23 21	0 24	8 43	8 32	1 54	2 17	18 21		n.a.
M 6	9 2	25 55	4 51	15 12	0 23	0s16	0 30	20 55	0 20	23 41	1 6	23 24	0 22	15 11	0 44	23 21	0 24	8 44	8 32	1 53	2 15	18 24		n.a.
T 7	8 40	22 9	4 17	15 19	0 38	0 48	0 27	21 1	0 19	23 41	1 6	23 24	0 22	15 10	0 44	23 21	0 24	8 45	8 31	1 51	2 14	18 26		n.a.
W 8	8 17	17 6	3 26	15 21	0 52	1 20	0 25	21 7	0 18	23 41	1 6	23 24	0 21	15 9	0 44	23 21	0 24	8 45	8 31	1 49	2 13	18 29		n.a.
T 9	7 54	11 1	2 22	15 19	1 4	1 52	0 22	21 13	0 16	23 41	1 5	23 24	0 21	15 8	0 44	23 21	0 24	8 46	8 31	1 48	2 11	18 32		n.a.
F 10	7 32	4 16	1 8	15 13	1 16	2 24	0 20	21 19	0 15	23 41	1 5	23 24	0 21	15 7	0 44	23 21	0 24	8 47	8 30	1 47	2 10	18 35		n.a.
S 11	7 9	2n47	0n11	15 3	1 25	2 56	0 17	21 25	0 14	23 42	1 5	23 24	0 21	15 5	0 44	23 21	0 24	8 47	8 30	1 47	2 9	18 38		n.a.
S 12	6 46	9 43	1 30	14 49	1 34	3 28	0 14	21 30	0 12	23 42	1 5	23 24	0 21	15 4	0 44	23 21	0 24	8 48	8 30	1 48	2 8	18 40		n.a.
M13	6 22	16 8	2 44	14 31	1 41	4 0	0 12	21 36	0 11	23 42	1 5	23 24	0 21	15 3	0 44	23 21	0 24	8 49	8 29	1 48	2 6	18 43		n.a.
T 14	5 59	21 37	3 46	14 10	1 47	4 32	0 9	21 41	0 9	23 42	1 5	23 24	0 21	15 2	0 44	23 21	0 24	8 49	8 29	1 49	2 5	18 46		n.a.
W15	5 36	25 46	4 33	13 46	1 52	5 4	0 6	21 47	0 8	23 42	1 5	23 24	0 21	15 1	0 44	23 21	0 24	8 50	8 29	1 49	2 4	18 49		n.a.
T 16	5 12	28 17	5 4	13 19	1 55	5 35	0 3	21 52	0 6	23 42	1 5	23 24	0 21	15 0	0 44	23 21	0 24	8 51	8 28	1 49	2 3	18 51		n.a.
F 17	4 49	29 0	5 16	12 49	1 58	6 7	0 1	21 57	0 5	23 42	1 5	23 24	0 21	14 58	0 44	23 21	0 24	8 52	8 28	1 49	2 1	18 54		n.a.
S 18	4 25	27 55	5 10	12 18	2 0	6 38	0s 2	22 2	0 4	23 42	1 5	23 24	0 21	14 57	0 44	23 21	0 24	8 52	8 28	1 48	2 0	18 57		n.a.
S 19	4 1	25 14	4 47	11 44	2 0	7 10	0 5	22 7	0 2	23 42	1 5	23 24	0 21	14 56	0 44	23 21	0 24	8 53	8 27	1 48	1 59	19 0		n.a.
M20	3 37	21 15	4 9	11 8	2 0	7 41	0 8	22 12	0 0	23 42	1 5	23 25	0 21	14 55	0 44	23 21	0 24	8 54	8 27	1 47	1 57	19 2		n.a.
T 21	3 13	16 21	3 19	10 31	2 0	8 12	0 11	22 17	0n 1	23 42	1 4	23 25	0 21	14 54	0 44	23 21	0 23	8 54	8 27	1 46	1 56	19 5		n.a.
W22	2 49	10 48	2 20	9 52	1 58	8 42	0 14	22 21	0 3	23 41	1 4	23 25	0 21	14 53	0 44	23 21	0 23	8 55	8 26	1 46	1 55	19 8		n.a.
T 23	2 25	4 56	1 16	9 12	1 56	9 13	0 16	22 26	0 4	23 41	1 4	23 25	0 21	14 52	0 44	23 21	0 23	8 56	8 26	1 45	1 54	19 11		n.a.
F 24	2 1	1s 2	0 8	8 31	1 54	9 43	0 19	22 30	0 6	23 41	1 4	23 25	0 20	14 51	0 44	23 21	0 23	8 57	8 26	1 45	1 52	19 13		n.a.
S 25	1 37	6 52	0s59	7 50	1 51	10 13	0 22	22 35	0 8	23 41	1 4	23 25	0 20	14 50	0 44	23 21	0 23	8 57	8 25	1 45	1 51	19 16		n.a.
S 26	1 13	12 25	2 2	7 7	1 47	10 43	0 25	22 39	0 9	23 40	1 4	23 25	0 20	14 48	0 44	23 21	0 23	8 58	8 25	1 45	1 50	19 19		n.a.
M27	0 49	17 27	3 0	6 24	1 43	11 13	0 28	22 43	0 11	23 40	1 4	23 25	0 20	14 47	0 44	23 21	0 23	8 59	8 25	1 46	1 49	19 21		n.a.
T 28	0 25	21 49	3 50	5 40	1 39	11 42	0 31	22 47	0 13	23 40	1 4	23 25	0 20	14 46	0 44	23 21	0 23	9 0	8 24	1 46	1 47	19 24		n.a.
W29	0 0	25 19	4 30	4 56	1 34	12 12	0 34	22 51	0 15	23 39	1 4	23 25	0 20	14 45	0 44	23 21	0 23	9 0	8 24	1 46	1 46	19 27		n.a.
T 30	0s24	27s46	4s58	4n11	1n29	12s40	0s37	22n55	0n16	23s39	1s 4	23n25	0s20	14n44	0n44	23s21	0n23	9s 1	8n24	1n46	1n45	19s29		n.a.

Julian Day Number = 1549633.5, Delta T = 04h31m47s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'06, Lahiri = -10°27'05 Julian Calendar 1 Sept. 471 BCE == Greg. Calendar 27 Aug. 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

OCTOBER 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 14 50	1♎59'32	26♐23	24♍39	2♏36	13♊13	17♑28	0♋49	23♌ 0	1♑39	16♏48	4♈24	4♈17	14♏24	n.a.	F 1
S 2	0 18 47	2°59'48	8♑40	26°19	3°49	13°28	17°31	0°51	23° 4	1°39	16°50	4°R24	4°14	14°31	n.a.	S 2
S 3	0 22 43	4° 0'06	21°15	27°58	5° 3	13°44	17°33	0°53	23° 7	1°40	16°52	4°D24	4°11	14°37	n.a.	S 3
M 4	0 26 40	5° 0'25	4♒12	29°37	6°17	13°58	17°36	0°55	23°10	1°40	16°54	4°24	4° 7	14°44	n.a.	M 4
T 5	0 30 36	6° 0'46	17°34	1♎16	7°30	14°13	17°39	0°56	23°13	1°41	16°56	4°24	4° 4	14°51	n.a.	T 5
W 6	0 34 33	7° 1'09	1♓22	2°54	8°44	14°26	17°43	0°58	23°16	1°41	16°57	4°24	4° 1	14°57	n.a.	W 6
T 7	0 38 29	8° 1'32	15°36	4°32	9°58	14°39	17°46	0°59	23°19	1°42	16°59	4°25	3°58	15° 4	n.a.	T 7
F 8	0 42 26	9° 1'58	0♈12	6°10	11°11	14°51	17°50	1° 1	23°22	1°42	17° 1	4°R25	3°55	15°11	n.a.	F 8
S 9	0 46 23	10° 2'25	15° 4	7°47	12°25	15° 3	17°54	1° 2	23°25	1°43	17° 3	4°25	3°51	15°17	n.a.	S 9
S 10	0 50 19	11° 2'54	0♉ 5	9°24	13°38	15°14	17°58	1° 3	23°27	1°44	17° 5	4°24	3°48	15°24	n.a.	S 10
M11	0 54 16	12° 3'25	15° 6	11° 1	14°52	15°25	18° 2	1° 4	23°30	1°44	17° 7	4°24	3°45	15°31	n.a.	M11
T 12	0 58 12	13° 3'58	29°58	12°37	16° 5	15°35	18° 6	1° 5	23°33	1°45	17° 9	4°23	3°42	15°37	n.a.	T 12
W13	1 2 9	14° 4'33	14♊35	14°13	17°19	15°44	18°11	1° 5	23°36	1°46	17°11	4°22	3°39	15°44	n.a.	W13
T 14	1 6 5	15° 5'10	28°52	15°49	18°32	15°52	18°16	1° 6	23°39	1°47	17°13	4°21	3°36	15°51	n.a.	T 14
F 15	1 10 2	16° 5'48	12♋47	17°24	19°46	16° 0	18°21	1° 6	23°41	1°48	17°15	4°D20	3°32	15°58	n.a.	F 15
S 16	1 13 58	17° 6'29	26°19	18°59	20°59	16° 7	18°26	1° 7	23°44	1°48	17°17	4°21	3°29	16° 4	n.a.	S 16
S 17	1 17 55	18° 7'11	9♌30	20°34	22°12	16°13	18°31	1° 7	23°46	1°49	17°19	4°21	3°26	16°11	n.a.	S 17
M18	1 21 52	19° 7'55	22°23	22° 9	23°26	16°19	18°37	1° 7	23°49	1°50	17°21	4°22	3°23	16°18	n.a.	M18
T 19	1 25 48	20° 8'41	4♍59	23°43	24°39	16°24	18°42	1°R 7	23°52	1°51	17°23	4°24	3°20	16°24	n.a.	T 19
W20	1 29 45	21° 9'28	17°22	25°18	25°52	16°28	18°48	1° 7	23°54	1°52	17°25	4°25	3°17	16°31	n.a.	W20
T 21	1 33 41	22°10'17	29°35	26°52	27° 6	16°31	18°54	1° 7	23°56	1°53	17°27	4°R26	3°13	16°38	n.a.	T 21
F 22	1 37 38	23°11'08	11♎38	28°25	28°19	16°34	19° 0	1° 7	23°59	1°54	17°29	4°26	3°10	16°44	n.a.	F 22
S 23	1 41 34	24°12'00	23°36	29°59	29°32	16°35	19° 7	1° 6	24° 1	1°55	17°31	4°25	3° 7	16°51	n.a.	S 23
S 24	1 45 31	25°12'53	5♏29	1♏33	0♐45	16°36	19°13	1° 6	24° 3	1°57	17°33	4°22	3° 4	16°58	n.a.	S 24
M25	1 49 27	26°13'48	17°19	3° 6	1°58	16°R36	19°20	1° 5	24° 6	1°58	17°35	4°19	3° 1	17° 4	n.a.	M25
T 26	1 53 24	27°14'43	29° 8	4°39	3°12	16°36	19°27	1° 4	24° 8	1°59	17°38	4°15	2°57	17°11	n.a.	T 26
W27	1 57 21	28°15'40	10♐58	6°13	4°25	16°34	19°34	1° 3	24°10	2° 0	17°40	4°11	2°54	17°18	n.a.	W27
T 28	2 1 17	29°16'38	22°53	7°46	5°38	16°32	19°41	1° 2	24°12	2° 1	17°42	4° 7	2°51	17°24	n.a.	T 28
F 29	2 5 14	0♏17'37	4♑56	9°19	6°51	16°29	19°48	1° 1	24°14	2° 3	17°44	4° 3	2°48	17°31	n.a.	F 29
S 30	2 9 10	1°18'37	17°10	10°51	8° 4	16°25	19°56	1° 0	24°16	2° 4	17°46	4° 1	2°45	17°38	n.a.	S 30
S 31	2 13 7	2♏19'38	29♑39	12♏24	9♐17	16♊20	20♑ 3	0♋59	24♌18	2♑ 5	17♏49	4°D 0	2♈42	17♏44	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s48	28s57	5s14	3n26	1n24	13s 9	0s40	22n59	0n18	23s39	1s 3	23n25	0s20	14n43	0n44	23s21	0n23	9s 2	8n24	1n46	1n43	19s32		n.a.
S 2	1 12	28 44	5 17	2 41	1 19	13 37	0 42	23 3	0 20	23 38	1 3	23 25	0 20	14 42	0 44	23 21	0 23	9 3	8 23	1 46	1 42	19 35		n.a.
S 3	1 37	27 3	5 4	1 56	1 13	14 5	0 45	23 7	0 22	23 38	1 3	23 25	0 20	14 41	0 44	23 21	0 23	9 3	8 23	1 46	1 41	19 37		n.a.
M 4	2 1	23 55	4 36	1 11	1 8	14 33	0 48	23 10	0 24	23 37	1 3	23 25	0 20	14 40	0 44	23 21	0 23	9 4	8 23	1 46	1 40	19 40		n.a.
T 5	2 25	19 27	3 52	0 26	1 2	15 0	0 51	23 14	0 26	23 37	1 3	23 25	0 20	14 39	0 44	23 22	0 23	9 5	8 22	1 46	1 38	19 43		n.a.
W 6	2 49	13 49	2 53	0s19	0 56	15 27	0 54	23 17	0 28	23 36	1 3	23 25	0 20	14 38	0 44	23 22	0 23	9 6	8 22	1 46	1 37	19 45		n.a.
T 7	3 13	7 19	1 43	1 4	0 49	15 53	0 57	23 21	0 30	23 36	1 3	23 25	0 20	14 37	0 44	23 22	0 23	9 6	8 22	1 47	1 36	19 48		n.a.
F 8	3 38	0 17	0 23	1 49	0 43	16 19	0 59	23 24	0 32	23 35	1 3	23 25	0 20	14 36	0 44	23 22	0 23	9 7	8 22	1 47	1 34	19 51		n.a.
S 9	4 2	6n55	0n59	2 34	0 37	16 45	1 2	23 28	0 34	23 34	1 3	23 26	0 20	14 35	0 44	23 22	0 23	9 8	8 21	1 47	1 33	19 53		n.a.
S 10	4 26	13 48	2 18	3 19	0 30	17 10	1 5	23 31	0 36	23 34	1 3	23 26	0 19	14 34	0 44	23 22	0 23	9 9	8 21	1 46	1 32	19 56		n.a.
M11	4 50	19 52	3 27	4 3	0 24	17 35	1 8	23 34	0 38	23 33	1 2	23 26	0 19	14 34	0 44	23 22	0 23	9 9	8 21	1 46	1 31	19 59		n.a.
T 12	5 13	24 40	4 22	4 47	0 17	18 0	1 10	23 37	0 40	23 32	1 2	23 26	0 19	14 33	0 44	23 22	0 23	9 10	8 21	1 46	1 29	20 1		n.a.
W13	5 37	27 47	4 58	5 31	0 11	18 23	1 13	23 41	0 42	23 32	1 2	23 26	0 19	14 32	0 44	23 22	0 23	9 11	8 20	1 45	1 28	20 4		n.a.
T 14	6 1	29 0	5 16	6 14	0 4	18 47	1 16	23 44	0 44	23 31	1 2	23 26	0 19	14 31	0 44	23 22	0 23	9 12	8 20	1 45	1 27	20 7		n.a.
F 15	6 25	28 20	5 14	6 57	0s 2	19 10	1 18	23 47	0 46	23 30	1 2	23 26	0 19	14 30	0 44	23 22	0 23	9 13	8 20	1 45	1 26	20 9		n.a.
S 16	6 48	25 58	4 54	7 40	0 9	19 32	1 21	23 50	0 49	23 29	1 2	23 26	0 19	14 29	0 45	23 22	0 23	9 13	8 20	1 45	1 24	20 12		n.a.
S 17	7 12	22 16	4 19	8 23	0 16	19 54	1 23	23 53	0 51	23 29	1 2	23 26	0 19	14 28	0 45	23 22	0 23	9 14	8 19	1 45	1 23	20 14		n.a.
M18	7 35	17 34	3 32	9 4	0 22	20 16	1 26	23 55	0 53	23 28	1 2	23 26	0 19	14 27	0 45	23 22	0 23	9 15	8 19	1 46	1 22	20 17		n.a.
T 19	7 58	12 13	2 36	9 46	0 28	20 36	1 28	23 58	0 56	23 27	1 2	23 26	0 19	14 27	0 45	23 22	0 23	9 16	8 19	1 46	1 20	20 20		n.a.
W20	8 22	6 29	1 33	10 27	0 35	20 57	1 31	24 1	0 58	23 26	1 1	23 26	0 19	14 26	0 45	23 22	0 23	9 16	8 19	1 47	1 19	20 22		n.a.
T 21	8 45	0 35	0 27	11 7	0 41	21 17	1 33	24 4	1 0	23 25	1 1	23 26	0 19	14 25	0 45	23 22	0 23	9 17	8 19	1 47	1 18	20 25		n.a.
F 22	9 8	5s16	0s40	11 47	0 47	21 36	1 35	24 6	1 3	23 24	1 1	23 26	0 19	14 24	0 45	23 22	0 23	9 18	8 18	1 47	1 17	20 27		n.a.
S 23	9 30	10 53	1 44	12 27	0 53	21 54	1 38	24 9	1 5	23 23	1 1	23 26	0 19	14 24	0 45	23 22	0 23	9 19	8 18	1 46	1 15	20 30		n.a.
S 24	9 53	16 4	2 43	13 6	0 59	22 12	1 40	24 12	1 8	23 22	1 1	23 26	0 19	14 23	0 45	23 22	0 23	9 19	8 18	1 46	1 14	20 32		n.a.
M25	10 15	20 39	3 35	13 44	1 5	22 30	1 42	24 14	1 10	23 21	1 1	23 27	0 18	14 22	0 45	23 22	0 23	9 20	8 18	1 44	1 13	20 35		n.a.
T 26	10 38	24 24	4 17	14 21	1 11	22 46	1 44	24 16	1 13	23 20	1 1	23 27	0 18	14 21	0 45	23 22	0 23	9 21	8 18	1 43	1 11	20 38		n.a.
W27	11 0	27 9	4 49	14 58	1 17	23 2	1 46	24 19	1 15	23 19	1 1	23 27	0 18	14 21	0 45	23 22	0 23	9 22	8 17	1 41	1 10	20 40		n.a.
T 28	11 22	28 41	5 8	15 35	1 22	23 18	1 48	24 21	1 18	23 17	1 1	23 27	0 18	14 20	0 45	23 22	0 23	9 23	8 17	1 39	1 9	20 43		n.a.
F 29	11 43	28 53	5 14	16 10	1 28	23 33	1 50	24 23	1 20	23 16	1 1	23 27	0 18	14 19	0 45	23 22	0 23	9 23	8 17	1 38	1 8	20 45		n.a.
S 30	12 5	27 41	5 5	16 45	1 33	23 47	1 52	24 26	1 23	23 15	1 1	23 27	0 18	14 19	0 45	23 22	0 23	9 24	8 17	1 37	1 6	20 48		n.a.
S 31	12s26	25s 6	4s43	17s19	1s38	24s 0	1s54	24n28	1n26	23s14	1s 0	23n27	0s18	14n18	0n45	23s22	0n22	9s25	8n17	1n37	1n 5	20s50		n.a.

Julian Day Number = 1549663.5, Delta T = 04h31m46s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°34'02, Lahiri = -10°27'01 Julian Calendar 1 Oct. 471 BCE == Greg. Calendar 26 Sept. 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

NOVEMBER 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 17 3	3♏20'39	12♒28	13♏57	10♐30	16°R14	20♑11	0°R57	24♌20	2♑ 7	17♏51	4♈ 0	2♈38	17♏51	n.a.	M 1
T 2	2 21 0	4°21'42	25°41	15°29	11°42	16♊ 7	20°19	0♋56	24°22	2° 8	17°53	4° 2	2°35	17°58	n.a.	T 2
W 3	2 24 56	5°22'44	9♓20	17° 2	12°55	16° 0	20°27	0°54	24°24	2°10	17°55	4° 3	2°32	18° 5	n.a.	W 3
T 4	2 28 53	6°23'48	23°27	18°34	14° 8	15°52	20°35	0°52	24°26	2°11	17°57	4° 5	2°29	18°11	n.a.	T 4
F 5	2 32 50	7°24'52	8♈ 0	20° 6	15°21	15°43	20°44	0°51	24°27	2°12	18° 0	4°R 5	2°26	18°18	n.a.	F 5
S 6	2 36 46	8°25'57	22°57	21°38	16°33	15°33	20°52	0°49	24°29	2°14	18° 2	4° 4	2°22	18°25	n.a.	S 6
S 7	2 40 43	9°27'03	8♉ 9	23°10	17°46	15°22	21° 1	0°46	24°31	2°15	18° 4	4° 1	2°19	18°31	n.a.	S 7
M 8	2 44 39	10°28'10	23°27	24°41	18°58	15°11	21°10	0°44	24°32	2°17	18° 6	3°56	2°16	18°38	n.a.	M 8
T 9	2 48 36	11°29'18	8♊40	26°12	20°11	14°58	21°19	0°42	24°34	2°19	18° 9	3°50	2°13	18°45	n.a.	T 9
W10	2 52 32	12°30'26	23°38	27°43	21°23	14°45	21°28	0°40	24°35	2°20	18°11	3°44	2°10	18°51	n.a.	W10
T 11	2 56 29	13°31'36	8♋14	29°13	22°36	14°31	21°37	0°37	24°37	2°22	18°13	3°39	2° 7	18°58	n.a.	T 11
F 12	3 0 26	14°32'46	22°21	0♐43	23°48	14°16	21°46	0°35	24°38	2°23	18°15	3°35	2° 3	19° 5	n.a.	F 12
S 13	3 4 22	15°33'58	6♌ 0	2°11	25° 0	14° 1	21°56	0°32	24°39	2°25	18°18	3°33	2° 0	19°11	n.a.	S 13
S 14	3 8 19	16°35'10	19°12	3°39	26°12	13°44	22° 5	0°29	24°41	2°27	18°20	3°D33	1°57	19°18	n.a.	S 14
M15	3 12 15	17°36'23	1♍59	5° 6	27°24	13°27	22°15	0°26	24°42	2°29	18°22	3°33	1°54	19°25	n.a.	M15
T 16	3 16 12	18°37'37	14°27	6°32	28°36	13°10	22°25	0°23	24°43	2°30	18°24	3°35	1°51	19°31	n.a.	T 16
W17	3 20 8	19°38'51	26°40	7°56	29°48	12°51	22°35	0°20	24°44	2°32	18°27	3°36	1°48	19°38	n.a.	W17
T 18	3 24 5	20°40'06	8♎42	9°19	1♑ 0	12°32	22°45	0°17	24°45	2°34	18°29	3°R36	1°44	19°45	n.a.	T 18
F 19	3 28 1	21°41'22	20°36	10°39	2°12	12°13	22°55	0°14	24°46	2°36	18°31	3°34	1°41	19°52	n.a.	F 19
S 20	3 31 58	22°42'38	2♏27	11°57	3°24	11°52	23° 6	0°11	24°47	2°38	18°34	3°30	1°38	19°58	n.a.	S 20
S 21	3 35 55	23°43'55	14°16	13°12	4°36	11°32	23°16	0° 7	24°48	2°39	18°36	3°24	1°35	20° 5	n.a.	S 21
M22	3 39 51	24°45'12	26° 6	14°24	5°47	11°10	23°27	0° 4	24°49	2°41	18°38	3°15	1°32	20°12	n.a.	M22
T 23	3 43 48	25°46'29	7♐58	15°32	6°59	10°48	23°37	0° 0	24°49	2°43	18°40	3° 4	1°28	20°18	n.a.	T 23
W24	3 47 44	26°47'47	19°54	16°35	8°10	10°26	23°48	29♊56	24°50	2°45	18°43	2°53	1°25	20°25	n.a.	W24
T 25	3 51 41	27°49'04	1♑55	17°33	9°22	10° 3	23°59	29°53	24°51	2°47	18°45	2°42	1°22	20°32	n.a.	T 25
F 26	3 55 37	28°50'22	14° 3	18°25	10°33	9°41	24°10	29°49	24°51	2°49	18°47	2°33	1°19	20°38	n.a.	F 26
S 27	3 59 34	29°51'39	26°21	19°10	11°44	9°17	24°21	29°45	24°52	2°51	18°49	2°25	1°16	20°45	n.a.	S 27
S 28	4 3 30	0♐52'57	8♒50	19°48	12°55	8°54	24°32	29°41	24°52	2°53	18°52	2°20	1°13	20°52	n.a.	S 28
M29	4 7 27	1°54'13	21°36	20°16	14° 6	8°30	24°44	29°37	24°53	2°55	18°54	2°18	1° 9	20°58	n.a.	M29
T 30	4 11 24	2♐55'30	4♓40	20♐36	15♑17	8♊ 6	24♑55	29♊33	24♌53	2♑57	18♏56	2°D17	1♈ 6	21♏ 5	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s48	21s13	4s 6	17s52	1s42	24s13	1s55	24n30	1n28	23s13	1s 0	23n27	0s18	14n17	0n45	23s22	0n22	9s26	8n17	1n37	1n 4	20s53		n.a.
T 2	13 8	16 11	3 15	18 24	1 47	24 25	1 57	24 32	1 31	23 11	1 0	23 27	0 18	14 17	0 45	23 22	0 22	9 26	8 16	1 37	1 3	20 55		n.a.
W 3	13 29	10 12	2 11	18 55	1 51	24 36	1 59	24 34	1 34	23 10	1 0	23 27	0 18	14 16	0 45	23 22	0 22	9 27	8 16	1 38	1 1	20 58		n.a.
T 4	13 50	3 31	0 58	19 25	1 55	24 47	2 0	24 35	1 36	23 9	1 0	23 27	0 18	14 16	0 45	23 22	0 22	9 28	8 16	1 38	1 0	21 0		n.a.
F 5	14 10	3n33	0n21	19 55	1 59	24 57	2 1	24 37	1 39	23 7	1 0	23 27	0 18	14 15	0 45	23 22	0 22	9 29	8 16	1 39	0 59	21 3		n.a.
S 6	14 30	10 36	1 41	20 23	2 2	25 6	2 3	24 39	1 42	23 6	1 0	23 28	0 18	14 15	0 45	23 22	0 22	9 29	8 16	1 38	0 57	21 5		n.a.
S 7	14 50	17 10	2 55	20 50	2 6	25 15	2 4	24 40	1 44	23 4	1 0	23 28	0 17	14 14	0 45	23 22	0 22	9 30	8 16	1 37	0 56	21 8		n.a.
M 8	15 9	22 42	3 57	21 16	2 8	25 22	2 5	24 42	1 47	23 3	1 0	23 28	0 17	14 14	0 45	23 22	0 22	9 31	8 16	1 35	0 55	21 10		n.a.
T 9	15 29	26 40	4 41	21 40	2 11	25 29	2 6	24 43	1 50	23 1	1 0	23 28	0 17	14 13	0 45	23 22	0 22	9 32	8 15	1 33	0 54	21 13		n.a.
W10	15 48	28 41	5 6	22 4	2 13	25 35	2 7	24 44	1 53	23 0	1 0	23 28	0 17	14 13	0 46	23 22	0 22	9 32	8 15	1 30	0 52	21 15		n.a.
T 11	16 6	28 38	5 9	22 26	2 14	25 41	2 8	24 45	1 55	22 58	1 0	23 28	0 17	14 12	0 46	23 22	0 22	9 33	8 15	1 28	0 51	21 18		n.a.
F 12	16 25	26 42	4 54	22 47	2 16	25 46	2 9	24 46	1 58	22 57	0 59	23 28	0 17	14 12	0 46	23 22	0 22	9 34	8 15	1 27	0 50	21 20		n.a.
S 13	16 43	23 15	4 22	23 6	2 16	25 49	2 10	24 47	2 1	22 55	0 59	23 28	0 17	14 11	0 46	23 22	0 22	9 34	8 15	1 26	0 48	21 23		n.a.
S 14	17 1	18 42	3 37	23 24	2 16	25 53	2 11	24 48	2 4	22 53	0 59	23 28	0 17	14 11	0 46	23 22	0 22	9 35	8 15	1 26	0 47	21 25		n.a.
M15	17 18	13 26	2 43	23 40	2 16	25 55	2 11	24 48	2 6	22 52	0 59	23 28	0 17	14 11	0 46	23 22	0 22	9 36	8 15	1 26	0 46	21 28		n.a.
T 16	17 36	7 46	1 42	23 54	2 15	25 57	2 12	24 48	2 9	22 50	0 59	23 29	0 17	14 10	0 46	23 22	0 22	9 37	8 15	1 27	0 45	21 30		n.a.
W17	17 53	1 55	0 37	24 7	2 13	25 57	2 12	24 49	2 11	22 48	0 59	23 29	0 17	14 10	0 46	23 22	0 22	9 37	8 15	1 27	0 43	21 33		n.a.
T 18	18 9	3s55	0s27	24 18	2 11	25 58	2 12	24 49	2 14	22 47	0 59	23 29	0 17	14 10	0 46	23 22	0 22	9 38	8 14	1 27	0 42	21 35		n.a.
F 19	18 26	9 32	1 30	24 27	2 8	25 57	2 13	24 49	2 17	22 45	0 59	23 29	0 16	14 9	0 46	23 22	0 22	9 39	8 14	1 26	0 41	21 37		n.a.
S 20	18 42	14 48	2 29	24 34	2 4	25 55	2 13	24 48	2 19	22 43	0 59	23 29	0 16	14 9	0 46	23 22	0 22	9 39	8 14	1 25	0 39	21 40		n.a.
S 21	18 57	19 31	3 21	24 39	1 59	25 53	2 13	24 48	2 22	22 41	0 59	23 29	0 16	14 9	0 46	23 22	0 22	9 40	8 14	1 22	0 38	21 42		n.a.
M22	19 12	23 29	4 4	24 42	1 53	25 50	2 13	24 47	2 24	22 39	0 59	23 29	0 16	14 9	0 46	23 22	0 22	9 41	8 14	1 18	0 37	21 45		n.a.
T 23	19 27	26 28	4 36	24 43	1 47	25 46	2 13	24 47	2 27	22 37	0 59	23 29	0 16	14 9	0 46	23 22	0 22	9 41	8 14	1 14	0 36	21 47		n.a.
W24	19 42	28 18	4 57	24 42	1 39	25 42	2 12	24 46	2 29	22 35	0 59	23 29	0 16	14 8	0 46	23 22	0 22	9 42	8 14	1 10	0 34	21 50		n.a.
T 25	19 56	28 49	5 5	24 39	1 30	25 37	2 12	24 45	2 31	22 33	0 59	23 29	0 16	14 8	0 46	23 22	0 22	9 43	8 14	1 5	0 33	21 52		n.a.
F 26	20 10	27 57	4 59	24 34	1 20	25 31	2 11	24 43	2 34	22 31	0 58	23 29	0 16	14 8	0 46	23 21	0 22	9 43	8 14	1 1	0 32	21 54		n.a.
S 27	20 23	25 43	4 39	24 27	1 9	25 24	2 11	24 42	2 36	22 29	0 58	23 30	0 16	14 8	0 46	23 21	0 22	9 44	8 14	0 58	0 31	21 57		n.a.
S 28	20 36	22 14	4 6	24 17	0 56	25 17	2 10	24 40	2 38	22 27	0 58	23 30	0 16	14 8	0 46	23 21	0 22	9 45	8 14	0 56	0 29	21 59		n.a.
M29	20 49	17 38	3 19	24 6	0 42	25 8	2 9	24 39	2 40	22 25	0 58	23 30	0 16	14 8	0 46	23 21	0 22	9 45	8 14	0 55	0 28	22 2		n.a.
T 30	21s 1	12s 7	2s22	23s52	0s27	24s59	2s 8	24n37	2n42	22s23	0s58	23n30	0s15	14n 8	0n46	23s21	0n22	9s46	8n14	0n55	0n27	22s 4		n.a.

Julian Day Number = 1549694.5, Delta T = 04h31m44s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'57, Lahiri = -10°26'57 Julian Calendar 1 Nov. 471 BCE == Greg. Calendar 27 Oct. 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 471 BCE
geocentric

DECEMBER 471 BCE (-470) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 15 20	3♐56'46	18♓ 7	20°R44	16♑28	7°R42	25♑ 6	29°R29	24♌53	2♑59	18♏58	2♈18	1♈ 3	21♏12	n.a.	W 1
T 2	4 19 17	4°58'02	1♈59	20♐42	17°38	7♊18	25°18	29♊25	24°54	3° 1	19° 0	2°R18	1° 0	21°19	n.a.	T 2
F 3	4 23 13	5°59'17	16°17	20°28	18°49	6°54	25°30	29°20	24°54	3° 3	19° 3	2°17	0°57	21°25	n.a.	F 3
S 4	4 27 10	7° 0'32	1♉ 1	20° 2	19°59	6°30	25°42	29°16	24°54	3° 5	19° 5	2°14	0°54	21°32	n.a.	S 4
S 5	4 31 6	8° 1'46	16° 4	19°24	21° 9	6° 6	25°53	29°11	24°54	3° 7	19° 7	2° 8	0°50	21°39	n.a.	S 5
M 6	4 35 3	9° 3'00	1♊20	18°35	22°20	5°42	26° 5	29° 7	24°R54	3° 9	19° 9	2° 0	0°47	21°45	n.a.	M 6
T 7	4 39 0	10° 4'14	16°37	17°37	23°30	5°19	26°17	29° 3	24°54	3°12	19°11	1°50	0°44	21°52	n.a.	T 7
W 8	4 42 56	11° 5'28	1♋45	16°29	24°39	4°55	26°30	28°58	24°54	3°14	19°13	1°39	0°41	21°59	n.a.	W 8
T 9	4 46 53	12° 6'41	16°32	15°15	25°49	4°32	26°42	28°53	24°54	3°16	19°16	1°29	0°38	22° 5	n.a.	T 9
F 10	4 50 49	13° 7'54	0♌52	13°57	26°59	4° 9	26°54	28°49	24°53	3°18	19°18	1°20	0°34	22°12	n.a.	F 10
S 11	4 54 46	14° 9'06	14°42	12°38	28° 8	3°47	27° 6	28°44	24°53	3°20	19°20	1°15	0°31	22°19	n.a.	S 11
S 12	4 58 42	15°10'19	28° 2	11°19	29°18	3°25	27°19	28°39	24°53	3°22	19°22	1°11	0°28	22°25	n.a.	S 12
M13	5 2 39	16°11'31	10♍54	10° 4	0♒27	3° 3	27°31	28°35	24°52	3°25	19°24	1°10	0°25	22°32	n.a.	M13
T 14	5 6 35	17°12'42	23°23	8°54	1°36	2°42	27°44	28°30	24°52	3°27	19°26	1°D10	0°22	22°39	n.a.	T 14
W15	5 10 32	18°13'53	5♎34	7°51	2°44	2°21	27°57	28°25	24°52	3°29	19°28	1°R10	0°19	22°46	n.a.	W15
T 16	5 14 29	19°15'04	17°32	6°56	3°53	2° 1	28°10	28°20	24°51	3°31	19°30	1° 9	0°15	22°52	n.a.	T 16
F 17	5 18 25	20°16'15	29°23	6°10	5° 2	1°42	28°22	28°15	24°50	3°33	19°32	1° 6	0°12	22°59	n.a.	F 17
S 18	5 22 22	21°17'24	11♏11	5°33	6°10	1°23	28°35	28°10	24°50	3°36	19°34	1° 0	0° 9	23° 6	n.a.	S 18
S 19	5 26 18	22°18'34	23° 0	5° 6	7°18	1° 4	28°48	28° 6	24°49	3°38	19°36	0°50	0° 6	23°12	n.a.	S 19
M20	5 30 15	23°19'42	4♐52	4°48	8°26	0°47	29° 1	28° 1	24°48	3°40	19°38	0°38	0° 3	23°19	n.a.	M20
T 21	5 34 11	24°20'50	16°49	4°39	9°34	0°30	29°14	27°56	24°47	3°42	19°40	0°24	29♓59	23°26	n.a.	T 21
W22	5 38 8	25°21'57	28°54	4°D39	10°41	0°13	29°27	27°51	24°47	3°45	19°42	0° 9	29°56	23°32	n.a.	W22
T 23	5 42 5	26°23'03	11♑ 6	4°46	11°48	29♉58	29°41	27°46	24°46	3°47	19°44	29♓55	29°53	23°39	n.a.	T 23
F 24	5 46 1	27°24'08	23°26	5° 1	12°56	29°43	29°54	27°41	24°45	3°49	19°46	29°41	29°50	23°46	n.a.	F 24
S 25	5 49 58	28°25'12	5♒56	5°22	14° 2	29°29	0♒ 7	27°36	24°44	3°51	19°48	29°31	29°47	23°53	n.a.	S 25
S 26	5 53 54	29°26'15	18°36	5°49	15° 9	29°16	0°21	27°31	24°43	3°54	19°50	29°23	29°44	23°59	n.a.	S 26
M27	5 57 51	0♑27'16	1♓28	6°22	16°16	29° 3	0°34	27°26	24°41	3°56	19°51	29°18	29°40	24° 6	n.a.	M27
T 28	6 1 47	1°28'16	14°34	7° 0	17°22	28°52	0°48	27°21	24°40	3°58	19°53	29°16	29°37	24°13	n.a.	T 28
W29	6 5 44	2°29'14	27°57	7°43	18°28	28°41	1° 1	27°16	24°39	4° 1	19°55	29°16	29°34	24°19	n.a.	W29
T 30	6 9 40	3°30'11	11♈39	8°29	19°33	28°31	1°15	27°11	24°38	4° 3	19°57	29°16	29°31	24°26	n.a.	T 30
F 31	6 13 37	4♑31'06	25♈42	9♐20	20♒39	28♉22	1♒28	27♊ 6	24♌36	4♑ 5	19♏59	29♓14	29♓28	24♏33	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	21s13	5s54	1s15	23s36	0s11	24s50	2s 7	24n35	2n44	22s21	0s58	23n30	0s15	14n 7	0n46	23s21	0n22	9s46	8n14	0n55	0n25	22s 6			n.a.
T 2	21 24	0n46	0 2	23 19	0n 7	24 40	2 6	24 33	2 46	22 19	0 58	23 30	0 15	14 7	0 47	23 21	0 22	9 47	8 14	0 56	0 24	22 9			n.a.
F 3	21 35	7 37	1n14	22 59	0 25	24 29	2 5	24 30	2 48	22 16	0 58	23 30	0 15	14 7	0 47	23 21	0 22	9 48	8 14	0 55	0 23	22 11			n.a.
S 4	21 46	14 16	2 27	22 38	0 45	24 17	2 4	24 28	2 50	22 14	0 58	23 30	0 15	14 7	0 47	23 21	0 22	9 48	8 14	0 54	0 22	22 13			n.a.
S 5	21 56	20 13	3 31	22 15	1 4	24 4	2 2	24 25	2 51	22 12	0 58	23 30	0 15	14 7	0 47	23 21	0 22	9 49	8 14	0 52	0 20	22 16			n.a.
M 6	22 6	24 57	4 20	21 52	1 24	23 51	2 0	24 22	2 53	22 9	0 58	23 30	0 15	14 7	0 47	23 21	0 22	9 49	8 14	0 48	0 19	22 18			n.a.
T 7	22 15	27 54	4 52	21 27	1 44	23 38	1 59	24 20	2 54	22 7	0 58	23 30	0 15	14 8	0 47	23 21	0 22	9 50	8 14	0 44	0 18	22 20			n.a.
W 8	22 24	28 47	5 2	21 2	2 2	23 23	1 57	24 17	2 56	22 5	0 58	23 30	0 15	14 8	0 47	23 21	0 22	9 50	8 14	0 40	0 16	22 23			n.a.
T 9	22 32	27 32	4 52	20 37	2 20	23 9	1 55	24 14	2 57	22 2	0 58	23 30	0 15	14 8	0 47	23 21	0 22	9 51	8 14	0 36	0 15	22 25			n.a.
F 10	22 40	24 30	4 23	20 12	2 36	22 53	1 53	24 10	2 58	22 0	0 58	23 30	0 14	14 8	0 47	23 21	0 22	9 52	8 14	0 32	0 14	22 27			n.a.
S 11	22 48	20 8	3 40	19 48	2 50	22 37	1 51	24 7	3 0	21 57	0 58	23 31	0 14	14 8	0 47	23 21	0 22	9 52	8 14	0 30	0 13	22 30			n.a.
S 12	22 55	14 54	2 46	19 26	3 2	22 20	1 48	24 4	3 1	21 55	0 58	23 31	0 14	14 8	0 47	23 21	0 22	9 53	8 14	0 29	0 11	22 32			n.a.
M13	23 2	9 12	1 45	19 6	3 11	22 3	1 46	24 1	3 2	21 52	0 58	23 31	0 14	14 8	0 47	23 21	0 22	9 53	8 14	0 28	0 10	22 34			n.a.
T 14	23 8	3 17	0 41	18 49	3 18	21 45	1 44	23 57	3 3	21 50	0 58	23 31	0 14	14 8	0 47	23 21	0 22	9 54	8 14	0 28	0 9	22 37			n.a.
W15	23 14	2s36	0s23	18 35	3 22	21 26	1 41	23 54	3 3	21 47	0 58	23 31	0 14	14 9	0 47	23 21	0 22	9 54	8 14	0 28	0 7	22 39			n.a.
T 16	23 19	8 17	1 26	18 24	3 24	21 7	1 38	23 51	3 4	21 45	0 58	23 31	0 14	14 9	0 47	23 21	0 22	9 55	8 14	0 28	0 6	22 41			n.a.
F 17	23 24	13 38	2 23	18 16	3 25	20 48	1 35	23 47	3 5	21 42	0 58	23 31	0 14	14 9	0 47	23 21	0 22	9 55	8 14	0 26	0 5	22 43			n.a.
S 18	23 28	18 28	3 15	18 11	3 23	20 28	1 32	23 44	3 6	21 39	0 58	23 31	0 14	14 9	0 47	23 21	0 22	9 56	8 14	0 24	0 4	22 46			n.a.
S 19	23 32	22 35	3 57	18 10	3 20	20 7	1 29	23 41	3 6	21 37	0 58	23 31	0 14	14 10	0 47	23 21	0 22	9 56	8 14	0 20	0 2	22 48			n.a.
M20	23 35	25 49	4 30	18 11	3 15	19 46	1 26	23 37	3 7	21 34	0 58	23 31	0 13	14 10	0 47	23 21	0 22	9 57	8 14	0 15	0 1	22 50			n.a.
T 21	23 38	27 55	4 51	18 15	3 9	19 25	1 23	23 34	3 7	21 31	0 58	23 31	0 13	14 10	0 47	23 21	0 22	9 57	8 14	0 10	0s 0	22 52			n.a.
W22	23 40	28 44	4 59	18 22	3 2	19 3	1 19	23 31	3 7	21 28	0 58	23 31	0 13	14 11	0 47	23 21	0 22	9 58	8 14	0 4	0 1	22 55			n.a.
T 23	23 42	28 10	4 54	18 31	2 54	18 41	1 15	23 28	3 8	21 25	0 58	23 31	0 13	14 11	0 47	23 20	0 22	9 58	8 14	0s 2	0 3	22 57			n.a.
F 24	23 44	26 12	4 34	18 41	2 46	18 18	1 12	23 25	3 8	21 22	0 58	23 31	0 13	14 11	0 47	23 20	0 21	9 58	8 14	0 8	0 4	22 59			n.a.
S 25	23 45	22 56	4 2	18 54	2 37	17 55	1 8	23 22	3 8	21 20	0 57	23 31	0 13	14 12	0 48	23 20	0 21	9 59	8 14	0 12	0 5	23 1			n.a.
S 26	23 45	18 34	3 17	19 8	2 28	17 31	1 4	23 19	3 8	21 17	0 57	23 31	0 13	14 12	0 48	23 20	0 21	9 59	8 14	0 15	0 7	23 4			n.a.
M27	23 45	13 17	2 21	19 23	2 19	17 7	1 0	23 16	3 8	21 14	0 57	23 31	0 13	14 13	0 48	23 20	0 21	10 0	8 14	0 17	0 8	23 6			n.a.
T 28	23 45	7 20	1 17	19 39	2 9	16 43	0 56	23 13	3 8	21 11	0 57	23 31	0 13	14 13	0 48	23 20	0 21	10 0	8 15	0 18	0 9	23 8			n.a.
W29	23 44	0 56	0 7	19 55	1 59	16 18	0 51	23 11	3 8	21 8	0 57	23 31	0 12	14 13	0 48	23 20	0 21	10 0	8 15	0 18	0 10	23 10			n.a.
T 30	23 42	5n40	1n 5	20 13	1 49	15 53	0 47	23 8	3 8	21 5	0 57	23 31	0 12	14 14	0 48	23 20	0 21	10 1	8 15	0 18	0 12	23 12			n.a.
F 31	23s41	12n 9	2n15	20s30	1n39	15s28	0s42	23n 6	3n 8	21s 2	0s57	23n31	0s12	14n14	0n48	23s20	0n21	10s 1	8n15	0s18	0s13	23s15			n.a.

Julian Day Number = 1549724.5, Delta T = 04h31m43s
Ecliptic obliquity = 23°45'17, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'53, Lahiri = -10°26'53 Julian Calendar 1 Dec. 471 BCE == Greg. Calendar 26 Nov. 471 BCE

The year -470 astronomical counting style corresponds to year 471 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

JANUARY 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 17 34	5♑32'00	10♉ 6	10♐14	21♒44	28°R13	1♒42	27°R 2	24°R35	4♑ 7	20♏ 0	29°R11	29♓25	24♏39	n.a.	S 1
S 2	6 21 30	6°32'53	24°49	11°11	22°48	28♉ 6	1°56	26♊57	24♌34	4°10	20° 2	29♓ 5	29°21	24°46	n.a.	S 2
M 3	6 25 27	7°33'43	9♊44	12°12	23°53	27°59	2°10	26°52	24°32	4°12	20° 4	28°56	29°18	24°53	n.a.	M 3
T 4	6 29 23	8°34'33	24°45	13°14	24°57	27°53	2°23	26°47	24°31	4°14	20° 5	28°45	29°15	25° 0	n.a.	T 4
W 5	6 33 20	9°35'21	9♋41	14°20	26° 1	27°48	2°37	26°42	24°29	4°16	20° 7	28°34	29°12	25° 6	n.a.	W 5
T 6	6 37 16	10°36'08	24°23	15°27	27° 4	27°43	2°51	26°38	24°27	4°19	20° 9	28°22	29° 9	25°13	n.a.	T 6
F 7	6 41 13	11°36'53	8♌44	16°37	28° 8	27°40	3° 5	26°33	24°26	4°21	20°10	28°13	29° 6	25°20	n.a.	F 7
S 8	6 45 9	12°37'36	22°38	17°48	29°10	27°37	3°19	26°28	24°24	4°23	20°12	28° 6	29° 2	25°26	n.a.	S 8
S 9	6 49 6	13°38'19	6♍ 4	19° 1	0♓13	27°35	3°33	26°24	24°22	4°26	20°13	28° 1	28°59	25°33	n.a.	S 9
M10	6 53 3	14°39'00	19° 2	20°16	1°15	27°33	3°47	26°19	24°21	4°28	20°15	27°59	28°56	25°40	n.a.	M10
T 11	6 56 59	15°39'40	1♎37	21°33	2°17	27°D33	4° 1	26°15	24°19	4°30	20°16	27°D59	28°53	25°46	n.a.	T 11
W12	7 0 56	16°40'18	13°52	22°51	3°18	27°33	4°15	26°10	24°17	4°32	20°18	27°R59	28°50	25°53	n.a.	W12
T 13	7 4 52	17°40'55	25°53	24°10	4°19	27°34	4°30	26° 6	24°15	4°34	20°19	27°59	28°46	26° 0	n.a.	T 13
F 14	7 8 49	18°41'31	7♏45	25°31	5°19	27°35	4°44	26° 1	24°13	4°37	20°21	27°57	28°43	26° 7	n.a.	F 14
S 15	7 12 45	19°42'05	19°34	26°53	6°19	27°38	4°58	25°57	24°11	4°39	20°22	27°53	28°40	26°13	n.a.	S 15
S 16	7 16 42	20°42'38	1♐24	28°16	7°19	27°41	5°12	25°53	24° 9	4°41	20°23	27°46	28°37	26°20	n.a.	S 16
M17	7 20 38	21°43'10	13°19	29°41	8°18	27°45	5°26	25°49	24° 7	4°43	20°25	27°37	28°34	26°27	n.a.	M17
T 18	7 24 35	22°43'40	25°23	1♑ 6	9°17	27°49	5°41	25°44	24° 5	4°46	20°26	27°25	28°31	26°33	n.a.	T 18
W19	7 28 32	23°44'08	7♑36	2°33	10°15	27°54	5°55	25°40	24° 3	4°48	20°27	27°13	28°27	26°40	n.a.	W19
T 20	7 32 28	24°44'35	20° 1	4° 0	11°12	28° 0	6° 9	25°36	24° 1	4°50	20°29	27° 1	28°24	26°47	n.a.	T 20
F 21	7 36 25	25°45'00	2♒38	5°29	12°10	28° 7	6°24	25°32	23°59	4°52	20°30	26°50	28°21	26°53	n.a.	F 21
S 22	7 40 21	26°45'23	15°25	6°59	13° 6	28°14	6°38	25°29	23°56	4°54	20°31	26°41	28°18	27° 0	n.a.	S 22
S 23	7 44 18	27°45'44	28°24	8°30	14° 2	28°22	6°52	25°25	23°54	4°56	20°32	26°35	28°15	27° 7	n.a.	S 23
M24	7 48 14	28°46'03	11♓34	10° 2	14°57	28°30	7° 7	25°21	23°52	4°59	20°33	26°31	28°12	27°14	n.a.	M24
T 25	7 52 11	29°46'20	24°56	11°35	15°52	28°39	7°21	25°17	23°50	5° 1	20°34	26°D30	28° 8	27°20	n.a.	T 25
W26	7 56 7	0♒46'34	8♈29	13° 9	16°46	28°49	7°36	25°14	23°47	5° 3	20°35	26°31	28° 5	27°27	n.a.	W26
T 27	8 0 4	1°46'47	22°14	14°44	17°40	28°59	7°50	25°10	23°45	5° 5	20°36	26°31	28° 2	27°34	n.a.	T 27
F 28	8 4 1	2°46'57	6♉12	16°20	18°32	29°10	8° 4	25° 7	23°43	5° 7	20°37	26°R32	27°59	27°40	n.a.	F 28
S 29	8 7 57	3°47'05	20°23	17°57	19°24	29°21	8°19	25° 4	23°40	5° 9	20°38	26°30	27°56	27°47	n.a.	S 29
S 30	8 11 54	4°47'11	4♊45	19°35	20°16	29°33	8°33	25° 0	23°38	5°11	20°39	26°27	27°52	27°54	n.a.	S 30
M31	8 15 50	5♒47'14	19♊15	21♑15	21♓ 6	29♉45	8♒48	24♊57	23♌35	5♑13	20♏40	26♓21	27♓49	28♏ 1	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s38	18n10	3n18	20s48	1n29	15s 3	0s38	23n 4	3n 7	20s59	0s57	23n31	0s12	14n15	0n48	23s20	0n21	10s 2	8n15	0s20	0s14	23s17		n.a.
S 2	23 35	23 14	4 9	21 6	1 20	14 37	0 33	23 2	3 7	20 55	0 57	23 31	0 12	14 15	0 48	23 20	0 21	10 2	8 15	0 22	0 16	23 19		n.a.
M 3	23 32	26 53	4 44	21 24	1 10	14 11	0 28	23 0	3 7	20 52	0 57	23 31	0 12	14 16	0 48	23 20	0 21	10 2	8 15	0 26	0 17	23 21		n.a.
T 4	23 28	28 38	5 0	21 42	1 0	13 44	0 23	22 58	3 7	20 49	0 57	23 31	0 12	14 17	0 48	23 20	0 21	10 3	8 15	0 30	0 18	23 23		n.a.
W 5	23 24	28 18	4 55	21 59	0 50	13 18	0 18	22 57	3 6	20 46	0 57	23 31	0 12	14 17	0 48	23 20	0 21	10 3	8 15	0 35	0 19	23 25		n.a.
T 6	23 19	25 57	4 30	22 16	0 41	12 51	0 13	22 55	3 6	20 43	0 57	23 31	0 11	14 18	0 48	23 20	0 21	10 3	8 15	0 39	0 21	23 28		n.a.
F 7	23 14	22 0	3 49	22 33	0 32	12 24	0 7	22 54	3 5	20 39	0 58	23 31	0 11	14 18	0 48	23 20	0 21	10 4	8 16	0 43	0 22	23 30		n.a.
S 8	23 9	16 54	2 55	22 49	0 23	11 57	0 2	22 53	3 5	20 36	0 58	23 31	0 11	14 19	0 48	23 20	0 21	10 4	8 16	0 46	0 23	23 32		n.a.
S 9	23 3	11 10	1 53	23 4	0 14	11 29	0n 4	22 52	3 4	20 33	0 58	23 31	0 11	14 19	0 48	23 19	0 21	10 4	8 16	0 48	0 24	23 34		n.a.
M10	22 56	5 7	0 47	23 19	0 5	11 2	0 9	22 51	3 4	20 29	0 58	23 31	0 11	14 20	0 48	23 19	0 21	10 4	8 16	0 49	0 26	23 36		n.a.
T 11	22 49	0s57	0s19	23 32	0s 3	10 34	0 15	22 50	3 3	20 26	0 58	23 31	0 11	14 21	0 48	23 19	0 21	10 5	8 16	0 49	0 27	23 38		n.a.
W12	22 42	6 49	1 23	23 45	0 12	10 6	0 21	22 50	3 2	20 23	0 58	23 31	0 11	14 21	0 48	23 19	0 21	10 5	8 16	0 49	0 28	23 40		n.a.
T 13	22 34	12 20	2 22	23 57	0 20	9 38	0 27	22 49	3 2	20 19	0 58	23 31	0 11	14 22	0 48	23 19	0 21	10 5	8 16	0 49	0 30	23 43		n.a.
F 14	22 26	17 20	3 15	24 8	0 28	9 10	0 33	22 49	3 1	20 16	0 58	23 31	0 11	14 23	0 48	23 19	0 21	10 5	8 16	0 49	0 31	23 45		n.a.
S 15	22 17	21 40	3 58	24 18	0 35	8 42	0 39	22 49	3 1	20 12	0 58	23 31	0 10	14 23	0 48	23 19	0 21	10 6	8 17	0 51	0 32	23 47		n.a.
S 16	22 8	25 8	4 31	24 27	0 43	8 14	0 46	22 49	3 0	20 9	0 58	23 31	0 10	14 24	0 48	23 19	0 21	10 6	8 17	0 54	0 33	23 49		n.a.
M17	21 59	27 33	4 53	24 35	0 50	7 46	0 52	22 49	2 59	20 5	0 58	23 31	0 10	14 25	0 48	23 19	0 21	10 6	8 17	0 58	0 35	23 51		n.a.
T 18	21 49	28 42	5 2	24 42	0 57	7 17	0 59	22 50	2 58	20 2	0 58	23 31	0 10	14 26	0 48	23 19	0 21	10 6	8 17	1 2	0 36	23 53		n.a.
W19	21 38	28 29	4 57	24 47	1 3	6 49	1 5	22 50	2 58	19 58	0 58	23 31	0 10	14 26	0 48	23 19	0 21	10 6	8 17	1 7	0 37	23 55		n.a.
T 20	21 28	26 50	4 39	24 51	1 9	6 21	1 12	22 51	2 57	19 55	0 58	23 31	0 10	14 27	0 48	23 19	0 21	10 7	8 17	1 12	0 39	23 57		n.a.
F 21	21 16	23 49	4 6	24 54	1 15	5 52	1 19	22 52	2 56	19 51	0 58	23 31	0 10	14 28	0 48	23 19	0 21	10 7	8 17	1 17	0 40	23 59		n.a.
S 22	21 5	19 37	3 21	24 55	1 21	5 24	1 26	22 52	2 55	19 48	0 58	23 31	0 10	14 29	0 48	23 19	0 21	10 7	8 18	1 20	0 41	24 1		n.a.
S 23	20 53	14 26	2 24	24 55	1 26	4 56	1 33	22 53	2 55	19 44	0 58	23 31	0 9	14 29	0 48	23 18	0 21	10 7	8 18	1 23	0 42	24 3		n.a.
M24	20 41	8 32	1 19	24 53	1 32	4 28	1 40	22 55	2 54	19 40	0 58	23 31	0 9	14 30	0 48	23 18	0 21	10 7	8 18	1 24	0 44	24 5		n.a.
T 25	20 28	2 10	0 8	24 50	1 36	4 0	1 47	22 56	2 53	19 37	0 58	23 31	0 9	14 31	0 49	23 18	0 21	10 7	8 18	1 24	0 45	24 7		n.a.
W26	20 15	4n23	1n 4	24 46	1 41	3 32	1 55	22 57	2 52	19 33	0 58	23 31	0 9	14 32	0 49	23 18	0 21	10 8	8 18	1 24	0 46	24 9		n.a.
T 27	20 1	10 49	2 13	24 40	1 45	3 4	2 2	22 59	2 51	19 29	0 58	23 31	0 9	14 33	0 49	23 18	0 21	10 8	8 18	1 24	0 48	24 11		n.a.
F 28	19 48	16 51	3 16	24 32	1 49	2 36	2 10	23 0	2 51	19 25	0 58	23 31	0 9	14 33	0 49	23 18	0 21	10 8	8 18	1 24	0 49	24 13		n.a.
S 29	19 34	22 3	4 8	24 23	1 52	2 9	2 17	23 2	2 50	19 22	0 58	23 31	0 9	14 34	0 49	23 18	0 21	10 8	8 19	1 24	0 50	24 15		n.a.
S 30	19 19	26 2	4 45	24 12	1 55	1 41	2 25	23 4	2 49	19 18	0 58	23 31	0 9	14 35	0 49	23 18	0 21	10 8	8 19	1 26	0 51	24 17		n.a.
M31	19s 4	28n22	5n 4	23s59	1s58	1s14	2n33	23n 6	2n48	19s14	0s58	23n31	0s 9	14n36	0n49	23s18	0n21	10s 8	8n19	1s28	0s53	24s19		n.a.

Julian Day Number = 1549755.5, Delta T = 04h31m42s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'49, Lahiri = -10°26'49 Julian Calendar 1 Jan. 470 BCE == Greg. Calendar 27 Dec. 471 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

FEBRUARY 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 19 47	6♒47'16	3♋48	22♑55	21♓56	29♉58	9♒ 2	24°R54	23°R33	5♑15	20♏41	26°R14	27♓46	28♏ 7	n.a.	T 1
W 2	8 23 43	7°47'15	18°18	24°36	22°45	0♊11	9°17	24♊51	23♌31	5°17	20°42	26♓ 6	27°43	28°14	n.a.	W 2
T 3	8 27 40	8°47'12	2♌39	26°19	23°33	0°25	9°31	24°48	23°28	5°19	20°43	25°59	27°40	28°21	n.a.	T 3
F 4	8 31 37	9°47'07	16°43	28° 2	24°20	0°40	9°45	24°46	23°26	5°21	20°44	25°52	27°37	28°27	n.a.	F 4
S 5	8 35 33	10°46'59	0♍27	29°47	25° 6	0°55	10° 0	24°43	23°23	5°23	20°44	25°47	27°33	28°34	n.a.	S 5
S 6	8 39 30	11°46'50	13°49	1♒33	25°51	1°10	10°14	24°40	23°21	5°25	20°45	25°45	27°30	28°41	n.a.	S 6
M 7	8 43 26	12°46'39	26°47	3°20	26°35	1°26	10°29	24°38	23°18	5°27	20°46	25°D44	27°27	28°47	n.a.	M 7
T 8	8 47 23	13°46'26	9♎24	5° 8	27°18	1°42	10°43	24°36	23°15	5°29	20°46	25°45	27°24	28°54	n.a.	T 8
W 9	8 51 19	14°46'11	21°42	6°57	28° 0	1°59	10°58	24°33	23°13	5°31	20°47	25°46	27°21	29° 1	n.a.	W 9
T 10	8 55 16	15°45'54	3♏47	8°48	28°41	2°16	11°12	24°31	23°10	5°32	20°48	25°48	27°18	29° 8	n.a.	T 10
F 11	8 59 12	16°45'36	15°42	10°39	29°21	2°33	11°27	24°29	23° 8	5°34	20°48	25°R48	27°14	29°14	n.a.	F 11
S 12	9 3 9	17°45'15	27°34	12°32	29°59	2°51	11°41	24°27	23° 5	5°36	20°49	25°48	27°11	29°21	n.a.	S 12
S 13	9 7 5	18°44'53	9♐26	14°26	0♈36	3°10	11°55	24°25	23° 3	5°38	20°49	25°46	27° 8	29°28	n.a.	S 13
M14	9 11 2	19°44'29	21°24	16°21	1°12	3°28	12°10	24°23	23° 0	5°40	20°50	25°42	27° 5	29°34	n.a.	M14
T 15	9 14 59	20°44'03	3♑31	18°18	1°47	3°47	12°24	24°22	22°57	5°41	20°50	25°37	27° 2	29°41	n.a.	T 15
W16	9 18 55	21°43'35	15°51	20°15	2°20	4° 7	12°39	24°20	22°55	5°43	20°51	25°31	26°58	29°48	n.a.	W16
T 17	9 22 52	22°43'05	28°26	22°13	2°52	4°27	12°53	24°19	22°52	5°45	20°51	25°25	26°55	29°55	n.a.	T 17
F 18	9 26 48	23°42'33	11♒17	24°13	3°22	4°47	13° 7	24°17	22°50	5°47	20°51	25°20	26°52	0♐ 1	n.a.	F 18
S 19	9 30 45	24°41'59	24°24	26°13	3°51	5° 7	13°22	24°16	22°47	5°48	20°51	25°15	26°49	0° 8	n.a.	S 19
S 20	9 34 41	25°41'22	7♓45	28°14	4°18	5°28	13°36	24°15	22°44	5°50	20°52	25°13	26°46	0°15	n.a.	S 20
M21	9 38 38	26°40'44	21°20	0♓15	4°43	5°49	13°50	24°14	22°42	5°51	20°52	25°D12	26°43	0°21	n.a.	M21
T 22	9 42 34	27°40'03	5♈ 6	2°17	5° 6	6°11	14° 4	24°13	22°39	5°53	20°52	25°12	26°39	0°28	n.a.	T 22
W23	9 46 31	28°39'19	19° 1	4°19	5°28	6°33	14°19	24°12	22°36	5°55	20°52	25°13	26°36	0°35	n.a.	W23
T 24	9 50 28	29°38'34	3♉ 3	6°21	5°48	6°55	14°33	24°12	22°34	5°56	20°52	25°14	26°33	0°41	n.a.	T 24
F 25	9 54 24	0♓37'45	17°11	8°23	6° 6	7°17	14°47	24°11	22°31	5°58	20°53	25°16	26°30	0°48	n.a.	F 25
S 26	9 58 21	1°36'55	1♊22	10°25	6°22	7°40	15° 1	24°10	22°29	5°59	20°53	25°R16	26°27	0°55	n.a.	S 26
S 27	10 2 17	2°36'02	15°34	12°25	6°35	8° 3	15°15	24°10	22°26	6° 1	20°R53	25°16	26°24	1° 2	n.a.	S 27
M28	10 6 14	3♓35'07	29♊45	14♓25	6♈47	8♊27	15♒29	24♊10	22♌24	6♑ 2	20♏53	25♓14	26♓20	1♐ 8	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s49	28n46	5n 4	23s45	2s 0	0s47	2n41	23n 8	2n47	19s10	0s58	23n31	0s 8	14n37	0n49	23s18	0n21	10s 8	8n19	1s31	0s54	24s21		n.a.
W 2	18 34	27 10	4 44	23 29	2 2	0 21	2 48	23 10	2 46	19 6	0 58	23 31	0 8	14 37	0 49	23 18	0 21	10 8	8 19	1 34	0 55	24 23		n.a.
T 3	18 18	23 49	4 7	23 11	2 3	0n 6	2 56	23 12	2 46	19 3	0 59	23 31	0 8	14 38	0 49	23 18	0 21	10 8	8 19	1 37	0 56	24 25		n.a.
F 4	18 2	19 7	3 15	22 51	2 4	0 32	3 4	23 14	2 45	18 59	0 59	23 31	0 8	14 39	0 49	23 18	0 21	10 8	8 20	1 40	0 58	24 27		n.a.
S 5	17 46	13 31	2 12	22 30	2 5	0 58	3 13	23 17	2 44	18 55	0 59	23 31	0 8	14 40	0 49	23 18	0 21	10 8	8 20	1 42	0 59	24 29		n.a.
S 6	17 29	7 26	1 4	22 6	2 5	1 24	3 21	23 19	2 43	18 51	0 59	23 31	0 8	14 41	0 49	23 17	0 21	10 8	8 20	1 43	1 0	24 31		n.a.
M 7	17 12	1 13	0s 6	21 41	2 5	1 49	3 29	23 22	2 42	18 47	0 59	23 31	0 8	14 42	0 49	23 17	0 21	10 8	8 20	1 43	1 2	24 33		n.a.
T 8	16 55	4s53	1 13	21 14	2 4	2 14	3 37	23 24	2 41	18 43	0 59	23 31	0 8	14 43	0 49	23 17	0 21	10 8	8 20	1 43	1 3	24 35		n.a.
W 9	16 37	10 40	2 16	20 45	2 3	2 38	3 46	23 27	2 40	18 39	0 59	23 31	0 7	14 43	0 49	23 17	0 21	10 8	8 20	1 42	1 4	24 37		n.a.
T 10	16 19	15 56	3 12	20 14	2 1	3 2	3 54	23 30	2 40	18 35	0 59	23 31	0 7	14 44	0 49	23 17	0 21	10 8	8 21	1 42	1 5	24 39		n.a.
F 11	16 1	20 33	3 58	19 42	1 59	3 26	4 2	23 32	2 39	18 31	0 59	23 31	0 7	14 45	0 49	23 17	0 21	10 8	8 21	1 41	1 7	24 41		n.a.
S 12	15 43	24 19	4 34	19 7	1 56	3 49	4 11	23 35	2 38	18 27	0 59	23 31	0 7	14 46	0 49	23 17	0 21	10 8	8 21	1 42	1 8	24 43		n.a.
S 13	15 24	27 4	4 58	18 30	1 52	4 12	4 19	23 38	2 37	18 23	0 59	23 31	0 7	14 47	0 49	23 17	0 21	10 8	8 21	1 42	1 9	24 45		n.a.
M14	15 5	28 37	5 10	17 52	1 49	4 34	4 28	23 41	2 36	18 19	0 59	23 31	0 7	14 48	0 49	23 17	0 21	10 8	8 21	1 44	1 11	24 47		n.a.
T 15	14 46	28 50	5 8	17 12	1 44	4 56	4 36	23 44	2 35	18 15	0 59	23 31	0 7	14 49	0 49	23 17	0 21	10 8	8 22	1 46	1 12	24 49		n.a.
W16	14 27	27 37	4 52	16 29	1 39	5 17	4 45	23 47	2 35	18 11	0 59	23 31	0 7	14 50	0 49	23 17	0 21	10 8	8 22	1 48	1 13	24 50		n.a.
T 17	14 7	25 0	4 21	15 45	1 33	5 38	4 54	23 50	2 34	18 7	1 0	23 31	0 7	14 50	0 49	23 17	0 21	10 8	8 22	1 51	1 14	24 52		n.a.
F 18	13 48	21 5	3 37	15 0	1 27	5 58	5 2	23 53	2 33	18 3	1 0	23 31	0 6	14 51	0 49	23 17	0 21	10 8	8 22	1 53	1 16	24 54		n.a.
S 19	13 28	16 5	2 40	14 12	1 21	6 17	5 11	23 56	2 32	17 59	1 0	23 31	0 6	14 52	0 49	23 17	0 21	10 8	8 22	1 55	1 17	24 56		n.a.
S 20	13 7	10 13	1 34	13 23	1 13	6 36	5 19	23 59	2 31	17 55	1 0	23 32	0 6	14 53	0 49	23 16	0 21	10 8	8 22	1 56	1 18	24 58		n.a.
M21	12 47	3 48	0 21	12 33	1 5	6 54	5 27	24 2	2 30	17 51	1 0	23 32	0 6	14 54	0 49	23 16	0 21	10 7	8 23	1 56	1 19	25 0		n.a.
T 22	12 26	2n53	0n54	11 41	0 57	7 11	5 36	24 5	2 30	17 47	1 0	23 32	0 6	14 55	0 49	23 16	0 21	10 7	8 23	1 56	1 21	25 2		n.a.
W23	12 6	9 30	2 7	10 47	0 48	7 27	5 44	24 8	2 29	17 43	1 0	23 32	0 6	14 56	0 49	23 16	0 21	10 7	8 23	1 56	1 22	25 4		n.a.
T 24	11 45	15 42	3 13	9 53	0 38	7 42	5 52	24 11	2 28	17 39	1 0	23 32	0 6	14 56	0 49	23 16	0 21	10 7	8 23	1 55	1 23	25 5		n.a.
F 25	11 24	21 8	4 8	8 58	0 28	7 57	6 0	24 14	2 27	17 34	1 0	23 32	0 6	14 57	0 49	23 16	0 21	10 7	8 23	1 54	1 25	25 7		n.a.
S 26	11 2	25 23	4 47	8 2	0 17	8 11	6 8	24 17	2 26	17 30	1 0	23 32	0 5	14 58	0 49	23 16	0 21	10 7	8 24	1 54	1 26	25 9		n.a.
S 27	10 41	28 6	5 10	7 5	0 7	8 23	6 16	24 20	2 26	17 26	1 1	23 32	0 5	14 59	0 49	23 16	0 21	10 7	8 24	1 54	1 27	25 11		n.a.
M28	10s19	28n59	5n13	6s 8	0n 5	8n35	6n24	24n23	2n25	17s22	1s 1	23n32	0s 5	15n 0	0n49	23s16	0n21	10s 6	8n24	1s55	1s28	25s13		n.a.

Julian Day Number = 1549786.5, Delta T = 04h31m41s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'45, Lahiri = -10°26'44 Julian Calendar 1 Feb. 470 BCE == Greg. Calendar 27 Jan. 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

MARCH 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 10 10	4♓34'09	13♋53	16♓23	6♈56	8♊50	15♒43	24°R10	22°R21	6♑ 3	20°R53	25°R12	26♓17	1♐15	n.a.	T 1
W 2	10 14 7	5°33'09	27°54	18°18	7° 4	9°14	15°57	24°D10	22♌19	6° 5	20♏53	25♓ 9	26°14	1°22	n.a.	W 2
T 3	10 18 3	6°32'06	11♌45	20°12	7° 9	9°38	16°11	24♊10	22°16	6° 6	20°52	25° 6	26°11	1°28	n.a.	T 3
F 4	10 22 0	7°31'01	25°24	22° 3	7°11	10° 3	16°25	24°10	22°14	6° 8	20°52	25° 4	26° 8	1°35	n.a.	F 4
S 5	10 25 57	8°29'54	8♍46	23°51	7°R11	10°27	16°39	24°10	22°11	6° 9	20°52	25° 3	26° 4	1°42	n.a.	S 5
S 6	10 29 53	9°28'45	21°52	25°35	7° 9	10°52	16°53	24°11	22° 9	6°10	20°52	25°D 2	26° 1	1°49	n.a.	S 6
M 7	10 33 50	10°27'33	4♎41	27°16	7° 4	11°17	17° 7	24°11	22° 6	6°11	20°52	25° 2	25°58	1°55	n.a.	M 7
T 8	10 37 46	11°26'20	17°13	28°52	6°57	11°43	17°21	24°12	22° 4	6°13	20°51	25° 3	25°55	2° 2	n.a.	T 8
W 9	10 41 43	12°25'04	29°30	0♈24	6°47	12° 8	17°35	24°13	22° 1	6°14	20°51	25° 4	25°52	2° 9	n.a.	W 9
T 10	10 45 39	13°23'47	11♏35	1°52	6°35	12°34	17°48	24°13	21°59	6°15	20°51	25° 5	25°49	2°15	n.a.	T 10
F 11	10 49 36	14°22'28	23°32	3°14	6°20	13° 0	18° 2	24°14	21°57	6°16	20°50	25° 6	25°45	2°22	n.a.	F 11
S 12	10 53 32	15°21'07	5♐25	4°32	6° 3	13°26	18°16	24°15	21°54	6°17	20°50	25° 7	25°42	2°29	n.a.	S 12
S 13	10 57 29	16°19'45	17°18	5°44	5°43	13°53	18°29	24°17	21°52	6°18	20°50	25°R 7	25°39	2°36	n.a.	S 13
M14	11 1 25	17°18'21	29°17	6°51	5°22	14°19	18°43	24°18	21°50	6°19	20°49	25° 7	25°36	2°42	n.a.	M14
T 15	11 5 22	18°16'54	11♑25	7°53	4°58	14°46	18°56	24°19	21°47	6°20	20°49	25° 6	25°33	2°49	n.a.	T 15
W16	11 9 19	19°15'27	23°47	8°48	4°31	15°13	19°10	24°21	21°45	6°21	20°48	25° 6	25°30	2°56	n.a.	W16
T 17	11 13 15	20°13'57	6♒27	9°38	4° 3	15°41	19°23	24°22	21°43	6°22	20°48	25° 5	25°26	3° 2	n.a.	T 17
F 18	11 17 12	21°12'25	19°26	10°22	3°33	16° 8	19°37	24°24	21°41	6°23	20°47	25° 5	25°23	3° 9	n.a.	F 18
S 19	11 21 8	22°10'52	2♓46	11° 1	3° 2	16°36	19°50	24°26	21°39	6°24	20°47	25° 4	25°20	3°16	n.a.	S 19
S 20	11 25 5	23° 9'16	16°26	11°33	2°28	17° 4	20° 3	24°28	21°37	6°25	20°46	25° 4	25°17	3°23	n.a.	S 20
M21	11 29 1	24° 7'39	0♈24	11°59	1°54	17°32	20°16	24°30	21°35	6°26	20°45	25°D 4	25°14	3°29	n.a.	M21
T 22	11 32 58	25° 6'00	14°37	12°20	1°18	18° 0	20°29	24°32	21°32	6°26	20°45	25°R 4	25°10	3°36	n.a.	T 22
W23	11 36 54	26° 4'18	29° 0	12°34	0°41	18°28	20°43	24°34	21°30	6°27	20°44	25° 4	25° 7	3°43	n.a.	W23
T 24	11 40 51	27° 2'35	13♉28	12°43	0° 4	18°57	20°56	24°36	21°28	6°28	20°43	25° 4	25° 4	3°49	n.a.	T 24
F 25	11 44 47	28° 0'50	27°56	12°R46	29♓26	19°25	21° 9	24°39	21°27	6°29	20°42	25° 4	25° 1	3°56	n.a.	F 25
S 26	11 48 44	28°59'02	12♊20	12°43	28°48	19°54	21°21	24°41	21°25	6°29	20°42	25° 3	24°58	4° 3	n.a.	S 26
S 27	11 52 41	29°57'13	26°35	12°35	28°10	20°23	21°34	24°44	21°23	6°30	20°41	25°D 3	24°55	4°10	n.a.	S 27
M28	11 56 37	0♈55'21	10♋39	12°22	27°32	20°53	21°47	24°47	21°21	6°30	20°40	25° 3	24°51	4°16	n.a.	M28
T 29	12 0 34	1°53'27	24°31	12° 4	26°55	21°22	22° 0	24°49	21°19	6°31	20°39	25° 4	24°48	4°23	n.a.	T 29
W30	12 4 30	2°51'31	8♌10	11°42	26°19	21°51	22°12	24°52	21°17	6°32	20°38	25° 4	24°45	4°30	n.a.	W30
T 31	12 8 27	3♈49'33	21♌36	11♈16	25♓43	22♊21	22♒25	24♊55	21♌16	6♑32	20♏37	25♓ 5	24♓42	4♐36	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9s58	27n57	4n58	5s12	0n16	8n46	6n31	24n26	2n24	17s18	1s 1	23n32	0s 5	15n 1	0n49	23s16	0n21	10s 6	8n24	1s56	1s30	25s14			n.a.
W 2	9 36	25 10	4 25	4 15	0 28	8 55	6 38	24 29	2 23	17 14	1 1	23 32	0 5	15 1	0 49	23 16	0 21	10 6	8 24	1 57	1 31	25 16			n.a.
T 3	9 14	20 57	3 36	3 19	0 40	9 3	6 45	24 32	2 22	17 10	1 1	23 33	0 5	15 2	0 49	23 16	0 21	10 6	8 24	1 58	1 32	25 18			n.a.
F 4	8 52	15 40	2 36	2 24	0 52	9 11	6 52	24 35	2 22	17 5	1 1	23 33	0 5	15 3	0 49	23 16	0 21	10 6	8 25	1 59	1 34	25 20			n.a.
S 5	8 29	9 45	1 29	1 30	1 4	9 16	6 58	24 38	2 21	17 1	1 1	23 33	0 5	15 4	0 49	23 16	0 21	10 5	8 25	2 0	1 35	25 22			n.a.
S 6	8 7	3 32	0 17	0 37	1 16	9 21	7 5	24 41	2 20	16 57	1 1	23 33	0 5	15 5	0 49	23 16	0 21	10 5	8 25	2 0	1 36	25 23			n.a.
M 7	7 45	2s42	0s53	0n14	1 28	9 24	7 10	24 44	2 19	16 53	1 1	23 33	0 4	15 6	0 49	23 15	0 21	10 5	8 25	2 0	1 37	25 25			n.a.
T 8	7 22	8 41	2 0	1 4	1 39	9 26	7 15	24 46	2 18	16 49	1 2	23 33	0 4	15 6	0 49	23 15	0 21	10 5	8 25	1 59	1 39	25 27			n.a.
W 9	6 59	14 14	2 59	1 51	1 51	9 27	7 20	24 49	2 18	16 45	1 2	23 33	0 4	15 7	0 49	23 15	0 21	10 5	8 25	1 59	1 40	25 29			n.a.
T 10	6 37	19 8	3 50	2 36	2 1	9 26	7 24	24 52	2 17	16 41	1 2	23 33	0 4	15 8	0 49	23 15	0 21	10 4	8 26	1 59	1 41	25 30			n.a.
F 11	6 14	23 15	4 30	3 19	2 11	9 23	7 28	24 54	2 16	16 36	1 2	23 34	0 4	15 9	0 49	23 15	0 21	10 4	8 26	1 58	1 42	25 32			n.a.
S 12	5 51	26 22	4 58	3 59	2 21	9 19	7 31	24 57	2 15	16 32	1 2	23 34	0 4	15 9	0 49	23 15	0 21	10 4	8 26	1 58	1 44	25 34			n.a.
S 13	5 28	28 20	5 14	4 36	2 30	9 14	7 34	25 0	2 15	16 28	1 2	23 34	0 4	15 10	0 49	23 15	0 21	10 4	8 26	1 58	1 45	25 36			n.a.
M14	5 5	29 1	5 16	5 10	2 38	9 7	7 36	25 2	2 14	16 24	1 2	23 34	0 4	15 11	0 49	23 15	0 21	10 3	8 26	1 58	1 46	25 37			n.a.
T 15	4 42	28 18	5 4	5 42	2 46	8 58	7 37	25 5	2 13	16 20	1 3	23 34	0 4	15 12	0 49	23 15	0 21	10 3	8 26	1 58	1 48	25 39			n.a.
W16	4 18	26 11	4 38	6 10	2 52	8 48	7 38	25 7	2 12	16 16	1 3	23 34	0 4	15 12	0 49	23 15	0 21	10 3	8 27	1 58	1 49	25 41			n.a.
T 17	3 55	22 44	3 58	6 35	2 58	8 36	7 38	25 9	2 12	16 12	1 3	23 35	0 3	15 13	0 49	23 15	0 21	10 2	8 27	1 59	1 50	25 42			n.a.
F 18	3 32	18 7	3 5	6 57	3 2	8 23	7 37	25 11	2 11	16 8	1 3	23 35	0 3	15 14	0 49	23 15	0 21	10 2	8 27	1 59	1 51	25 44			n.a.
S 19	3 8	12 30	2 1	7 15	3 6	8 9	7 35	25 14	2 10	16 3	1 3	23 35	0 3	15 14	0 49	23 15	0 21	10 2	8 27	1 59	1 53	25 46			n.a.
S 20	2 45	6 9	0 48	7 30	3 8	7 53	7 32	25 16	2 9	15 59	1 3	23 35	0 3	15 15	0 48	23 15	0 21	10 2	8 27	1 59	1 54	25 47			n.a.
M21	2 22	0n37	0n30	7 42	3 10	7 36	7 29	25 18	2 9	15 55	1 3	23 35	0 3	15 16	0 48	23 15	0 21	10 1	8 27	1 59	1 55	25 49			n.a.
T 22	1 58	7 28	1 46	7 50	3 10	7 18	7 24	25 20	2 8	15 51	1 4	23 36	0 3	15 16	0 48	23 15	0 21	10 1	8 27	1 59	1 57	25 51			n.a.
W23	1 35	14 1	2 57	7 55	3 9	6 58	7 19	25 22	2 7	15 47	1 4	23 36	0 3	15 17	0 48	23 15	0 21	10 1	8 28	1 59	1 58	25 52			n.a.
T 24	1 11	19 51	3 57	7 56	3 6	6 38	7 13	25 23	2 7	15 43	1 4	23 36	0 3	15 18	0 48	23 15	0 21	10 0	8 28	1 59	1 59	25 54			n.a.
F 25	0 48	24 32	4 42	7 54	3 2	6 16	7 6	25 25	2 6	15 39	1 4	23 36	0 3	15 18	0 48	23 15	0 21	10 0	8 28	1 59	2 0	25 56			n.a.
S 26	0 25	27 40	5 9	7 48	2 57	5 54	6 59	25 27	2 5	15 35	1 4	23 36	0 2	15 19	0 48	23 15	0 21	10 0	8 28	1 59	2 2	25 57			n.a.
S 27	0 1	28 59	5 17	7 39	2 51	5 31	6 50	25 28	2 4	15 31	1 4	23 37	0 2	15 19	0 48	23 15	0 21	9 59	8 28	1 59	2 3	25 59			n.a.
M28	0n22	28 23	5 5	7 27	2 43	5 8	6 41	25 30	2 4	15 27	1 5	23 37	0 2	15 20	0 48	23 15	0 21	9 59	8 28	1 59	2 4	26 0			n.a.
T 29	0 46	26 1	4 36	7 11	2 34	4 44	6 31	25 31	2 3	15 23	1 5	23 37	0 2	15 21	0 48	23 15	0 21	9 59	8 28	1 59	2 5	26 2			n.a.
W30	1 9	22 11	3 52	6 53	2 24	4 20	6 21	25 32	2 2	15 19	1 5	23 37	0 2	15 21	0 48	23 15	0 21	9 58	8 28	1 59	2 7	26 4			n.a.
T 31	1n32	17n15	2n55	6n32	2n12	3n55	6n10	25n33	2n 2	15s15	1s 5	23n37	0s 2	15n22	0n48	23s15	0n21	9s58	8n28	1s59	2s 8	26s 5			n.a.

Julian Day Number = 1549814.5, Delta T = 04h31m39s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'41, Lahiri = -10°26'41 Julian Calendar 1 March 470 BCE == Greg. Calendar 24 Feb. 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

APRIL 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 12 23	4♈47'32	4♍48	10°R47	25°R 9	22♊51	22♒37	24♊58	21°R14	6♑33	20°R36	25♓ 6	24♓39	4♐43	n.a.	F 1
S 2	12 16 20	5°45'30	17°46	10♈14	24♓36	23°21	22°50	25° 2	21♌12	6°33	20♏35	25° 6	24°35	4°50	n.a.	S 2
S 3	12 20 16	6°43'26	0♎32	9°40	24° 5	23°51	23° 2	25° 5	21°11	6°33	20°34	25°R 6	24°32	4°57	n.a.	S 3
M 4	12 24 13	7°41'21	13° 5	9° 3	23°35	24°21	23°14	25° 8	21° 9	6°34	20°33	25° 6	24°29	5° 3	n.a.	M 4
T 5	12 28 10	8°39'14	25°26	8°26	23° 8	24°51	23°27	25°12	21° 8	6°34	20°32	25° 4	24°26	5°10	n.a.	T 5
W 6	12 32 6	9°37'05	7♏37	7°49	22°42	25°22	23°39	25°15	21° 6	6°34	20°31	25° 3	24°23	5°17	n.a.	W 6
T 7	12 36 3	10°34'55	19°39	7°12	22°19	25°52	23°51	25°19	21° 5	6°35	20°30	25° 0	24°20	5°23	n.a.	T 7
F 8	12 39 59	11°32'43	1♐35	6°36	21°58	26°23	24° 3	25°23	21° 4	6°35	20°29	24°58	24°16	5°30	n.a.	F 8
S 9	12 43 56	12°30'30	13°27	6° 1	21°39	26°54	24°15	25°27	21° 2	6°35	20°28	24°56	24°13	5°37	n.a.	S 9
S 10	12 47 52	13°28'16	25°20	5°29	21°23	27°25	24°26	25°31	21° 1	6°35	20°27	24°54	24°10	5°44	n.a.	S 10
M11	12 51 49	14°26'00	7♑18	5° 0	21° 9	27°56	24°38	25°35	21° 0	6°35	20°25	24°53	24° 7	5°50	n.a.	M11
T 12	12 55 45	15°23'43	19°25	4°33	20°57	28°27	24°50	25°39	20°59	6°36	20°24	24°D53	24° 4	5°57	n.a.	T 12
W13	12 59 42	16°21'25	1♒45	4°10	20°48	28°59	25° 1	25°43	20°57	6°36	20°23	24°54	24° 1	6° 4	n.a.	W13
T 14	13 3 39	17°19'06	14°24	3°51	20°42	29°30	25°13	25°47	20°56	6°36	20°22	24°55	23°57	6°10	n.a.	T 14
F 15	13 7 35	18°16'46	27°24	3°36	20°37	0♋ 2	25°24	25°52	20°55	6°R36	20°20	24°56	23°54	6°17	n.a.	F 15
S 16	13 11 32	19°14'24	10♓48	3°26	20°D36	0°33	25°35	25°56	20°54	6°36	20°19	24°58	23°51	6°24	n.a.	S 16
S 17	13 15 28	20°12'01	24°37	3°20	20°36	1° 5	25°47	26° 1	20°53	6°36	20°18	24°R58	23°48	6°31	n.a.	S 17
M18	13 19 25	21° 9'37	8♈51	3°D18	20°39	1°37	25°58	26° 5	20°52	6°36	20°17	24°58	23°45	6°37	n.a.	M18
T 19	13 23 21	22° 7'11	23°24	3°21	20°44	2° 9	26° 9	26°10	20°52	6°35	20°15	24°56	23°41	6°44	n.a.	T 19
W20	13 27 18	23° 4'45	8♉12	3°28	20°51	2°41	26°20	26°15	20°51	6°35	20°14	24°53	23°38	6°51	n.a.	W20
T 21	13 31 14	24° 2'17	23° 7	3°40	21° 1	3°13	26°30	26°19	20°50	6°35	20°13	24°49	23°35	6°57	n.a.	T 21
F 22	13 35 11	24°59'48	8♊ 0	3°56	21°13	3°46	26°41	26°24	20°49	6°35	20°11	24°45	23°32	7° 4	n.a.	F 22
S 23	13 39 8	25°57'17	22°43	4°17	21°26	4°18	26°52	26°29	20°49	6°35	20°10	24°41	23°29	7°11	n.a.	S 23
S 24	13 43 4	26°54'45	7♋10	4°42	21°42	4°51	27° 2	26°35	20°48	6°34	20° 8	24°38	23°26	7°18	n.a.	S 24
M25	13 47 1	27°52'11	21°19	5°11	21°59	5°23	27°12	26°40	20°48	6°34	20° 7	24°37	23°22	7°24	n.a.	M25
T 26	13 50 57	28°49'36	5♌ 6	5°45	22°19	5°56	27°23	26°45	20°47	6°34	20° 6	24°D37	23°19	7°31	n.a.	T 26
W27	13 54 54	29°47'00	18°34	6°22	22°40	6°29	27°33	26°50	20°47	6°33	20° 4	24°38	23°16	7°38	n.a.	W27
T 28	13 58 50	0♉44'22	1♍43	7° 4	23° 3	7° 2	27°43	26°56	20°46	6°33	20° 3	24°39	23°13	7°45	n.a.	T 28
F 29	14 2 47	1°41'43	14°36	7°49	23°27	7°35	27°53	27° 1	20°46	6°32	20° 1	24°41	23°10	7°51	n.a.	F 29
S 30	14 6 43	2♉39'02	27♍15	8♈38	23♓53	8♋ 8	28♒ 3	27♊ 6	20♌46	6♑32	20♏ 0	24°R41	23♓ 7	7♐58	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1n56	11n35	1n50	6n 9	2n 0	3n31	5n58	25n34	2n 1	15s11	1s 5	23n38	0s 2	15n22	0n48	23s14	0n21	9s58	8n29	1s58	2s 9	26s 7		n.a.
S 2	2 19	5 31	0 40	5 43	1 46	3 7	5 46	25 35	2 0	15 7	1 5	23 38	0 2	15 23	0 48	23 14	0 21	9 57	8 29	1 58	2 11	26 8		n.a.
S 3	2 42	0s40	0s30	5 16	1 31	2 43	5 34	25 36	1 59	15 3	1 6	23 38	0 2	15 23	0 48	23 14	0 21	9 57	8 29	1 58	2 12	26 10		n.a.
M 4	3 5	6 44	1 38	4 48	1 16	2 19	5 21	25 37	1 59	14 59	1 6	23 38	0 2	15 24	0 48	23 14	0 21	9 57	8 29	1 58	2 13	26 12		n.a.
T 5	3 28	12 26	2 40	4 18	1 0	1 56	5 8	25 37	1 58	14 55	1 6	23 39	0 1	15 24	0 48	23 14	0 21	9 56	8 29	1 59	2 14	26 13		n.a.
W 6	3 52	17 35	3 34	3 48	0 43	1 34	4 54	25 38	1 57	14 51	1 6	23 39	0 1	15 24	0 48	23 14	0 21	9 56	8 29	2 0	2 16	26 15		n.a.
T 7	4 15	22 0	4 17	3 18	0 26	1 12	4 41	25 38	1 57	14 47	1 6	23 39	0 1	15 25	0 48	23 14	0 21	9 56	8 29	2 1	2 17	26 16		n.a.
F 8	4 37	25 28	4 49	2 48	0 9	0 51	4 27	25 38	1 56	14 43	1 7	23 39	0 1	15 25	0 48	23 14	0 21	9 55	8 29	2 2	2 18	26 18		n.a.
S 9	5 0	27 49	5 9	2 18	0s 8	0 31	4 13	25 38	1 55	14 40	1 7	23 39	0 1	15 26	0 48	23 14	0 21	9 55	8 29	2 2	2 19	26 19		n.a.
S 10	5 23	28 55	5 15	1 50	0 24	0 12	3 59	25 38	1 55	14 36	1 7	23 40	0 1	15 26	0 48	23 14	0 21	9 54	8 29	2 3	2 21	26 21		n.a.
M11	5 46	28 40	5 8	1 23	0 41	0s 7	3 45	25 38	1 54	14 32	1 7	23 40	0 1	15 26	0 48	23 14	0 21	9 54	8 29	2 4	2 22	26 22		n.a.
T 12	6 8	27 3	4 47	0 58	0 57	0 24	3 32	25 38	1 53	14 28	1 7	23 40	0 1	15 27	0 48	23 14	0 21	9 54	8 30	2 4	2 23	26 24		n.a.
W13	6 31	24 7	4 12	0 34	1 12	0 40	3 18	25 38	1 53	14 25	1 8	23 40	0 1	15 27	0 48	23 14	0 21	9 53	8 30	2 3	2 25	26 25		n.a.
T 14	6 53	19 59	3 25	0 13	1 27	0 55	3 4	25 37	1 52	14 21	1 8	23 41	0 1	15 27	0 48	23 14	0 21	9 53	8 30	2 3	2 26	26 27		n.a.
F 15	7 15	14 49	2 26	0s 6	1 41	1 9	2 51	25 37	1 51	14 17	1 8	23 41	0 0	15 28	0 48	23 14	0 21	9 53	8 30	2 2	2 27	26 28		n.a.
S 16	7 38	8 48	1 17	0 22	1 55	1 22	2 38	25 36	1 51	14 14	1 8	23 41	0 0	15 28	0 48	23 14	0 21	9 52	8 30	2 2	2 28	26 30		n.a.
S 17	8 0	2 12	0 2	0 36	2 7	1 34	2 25	25 35	1 50	14 10	1 8	23 41	0 0	15 28	0 48	23 14	0 21	9 52	8 30	2 1	2 30	26 31		n.a.
M18	8 22	4n42	1n15	0 47	2 18	1 44	2 12	25 34	1 49	14 6	1 9	23 42	0 0	15 29	0 48	23 14	0 21	9 51	8 30	2 2	2 31	26 33		n.a.
T 19	8 43	11 31	2 30	0 56	2 29	1 54	1 59	25 33	1 49	14 3	1 9	23 42	0 0	15 29	0 48	23 14	0 21	9 51	8 30	2 2	2 32	26 34		n.a.
W20	9 5	17 48	3 35	1 1	2 39	2 2	1 47	25 32	1 48	13 59	1 9	23 42	0n 0	15 29	0 48	23 14	0 21	9 51	8 30	2 4	2 34	26 35		n.a.
T 21	9 27	23 5	4 26	1 5	2 47	2 9	1 35	25 30	1 47	13 56	1 9	23 42	0 0	15 29	0 47	23 14	0 21	9 50	8 30	2 5	2 35	26 37		n.a.
F 22	9 48	26 51	4 59	1 5	2 55	2 16	1 23	25 29	1 47	13 52	1 9	23 43	0 0	15 29	0 47	23 14	0 21	9 50	8 30	2 7	2 36	26 38		n.a.
S 23	10 9	28 45	5 12	1 3	3 1	2 21	1 12	25 27	1 46	13 49	1 10	23 43	0 0	15 30	0 47	23 14	0 21	9 49	8 30	2 8	2 37	26 40		n.a.
S 24	10 30	28 38	5 5	0 58	3 7	2 25	1 0	25 25	1 45	13 45	1 10	23 43	0 0	15 30	0 47	23 14	0 21	9 49	8 30	2 9	2 39	26 41		n.a.
M25	10 51	26 38	4 39	0 50	3 12	2 28	0 49	25 23	1 45	13 42	1 10	23 43	0 0	15 30	0 47	23 14	0 21	9 49	8 30	2 10	2 40	26 43		n.a.
T 26	11 12	23 5	3 58	0 41	3 16	2 30	0 39	25 21	1 44	13 38	1 10	23 43	0 1	15 30	0 47	23 14	0 21	9 48	8 30	2 10	2 41	26 44		n.a.
W27	11 33	18 22	3 4	0 28	3 19	2 31	0 28	25 19	1 43	13 35	1 11	23 44	0 1	15 30	0 47	23 14	0 21	9 48	8 30	2 10	2 42	26 45		n.a.
T 28	11 53	12 54	2 2	0 14	3 21	2 31	0 18	25 17	1 43	13 32	1 11	23 44	0 1	15 30	0 47	23 14	0 21	9 48	8 30	2 9	2 44	26 47		n.a.
F 29	12 13	6 59	0 55	0n 3	3 22	2 30	0 9	25 14	1 42	13 29	1 11	23 44	0 1	15 30	0 47	23 15	0 21	9 47	8 30	2 8	2 45	26 48		n.a.
S 30	12n33	0n54	0s14	0n22	3s22	2s28	0s 1	25n11	1n41	13s25	1s11	23n44	0n 1	15n30	0n47	23s15	0n21	9s47	8n30	2s 8	2s46	26s49		n.a.

Julian Day Number = 1549845.5, Delta T = 04h31m38s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'37, Lahiri = -10°26'36 Julian Calendar 1 Apr. 470 BCE == Greg. Calendar 27 March 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

MAY 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 10 40	3♉36'21	9♎42	9♈30	24♓21	8♋41	28♒12	27♊12	20°R45	6°R32	19°R58	24°R40	23♓ 3	8♐ 5	n.a.	S 1
M 2	14 14 37	4°33'38	21°59	10°26	24°50	9°15	28°22	27°18	20♌45	6♑31	19♏57	24♓37	23° 0	8°11	n.a.	M 2
T 3	14 18 33	5°30'55	4♏ 8	11°26	25°21	9°48	28°31	27°23	20°45	6°30	19°55	24°32	22°57	8°18	n.a.	T 3
W 4	14 22 30	6°28'10	16°11	12°28	25°53	10°21	28°41	27°29	20°45	6°30	19°54	24°26	22°54	8°25	n.a.	W 4
T 5	14 26 26	7°25'25	28° 8	13°34	26°27	10°55	28°50	27°35	20°D45	6°29	19°52	24°18	22°51	8°32	n.a.	T 5
F 6	14 30 23	8°22'40	10♐ 1	14°44	27° 1	11°29	28°59	27°41	20°45	6°29	19°51	24°10	22°47	8°38	n.a.	F 6
S 7	14 34 19	9°19'53	21°54	15°56	27°37	12° 2	29° 8	27°47	20°45	6°28	19°49	24° 2	22°44	8°45	n.a.	S 7
S 8	14 38 16	10°17'06	3♑47	17°12	28°14	12°36	29°17	27°53	20°45	6°27	19°47	23°56	22°41	8°52	n.a.	S 8
M 9	14 42 12	11°14'19	15°44	18°30	28°53	13°10	29°26	27°59	20°46	6°27	19°46	23°51	22°38	8°58	n.a.	M 9
T 10	14 46 9	12°11'31	27°50	19°52	29°32	13°44	29°34	28° 5	20°46	6°26	19°44	23°47	22°35	9° 5	n.a.	T 10
W11	14 50 6	13° 8'42	10♒ 7	21°17	0♈13	14°18	29°43	28°11	20°46	6°25	19°43	23°D46	22°32	9°12	n.a.	W11
T 12	14 54 2	14° 5'54	22°42	22°44	0°54	14°52	29°51	28°17	20°46	6°24	19°41	23°46	22°28	9°19	n.a.	T 12
F 13	14 57 59	15° 3'05	5♓38	24°15	1°37	15°26	29°59	28°24	20°47	6°23	19°40	23°47	22°25	9°25	n.a.	F 13
S 14	15 1 55	16° 0'15	18°59	25°48	2°20	16° 1	0♓ 7	28°30	20°47	6°22	19°38	23°R48	22°22	9°32	n.a.	S 14
S 15	15 5 52	16°57'25	2♈47	27°25	3° 5	16°35	0°15	28°36	20°48	6°22	19°37	23°48	22°19	9°39	n.a.	S 15
M16	15 9 48	17°54'35	17° 4	29° 4	3°50	17°10	0°23	28°43	20°48	6°21	19°35	23°46	22°16	9°45	n.a.	M16
T 17	15 13 45	18°51'45	1♉46	0♉46	4°36	17°44	0°31	28°49	20°49	6°20	19°33	23°42	22°12	9°52	n.a.	T 17
W18	15 17 41	19°48'55	16°48	2°31	5°23	18°19	0°38	28°56	20°50	6°19	19°32	23°35	22° 9	9°59	n.a.	W18
T 19	15 21 38	20°46'04	2♊ 0	4°18	6°11	18°53	0°46	29° 3	20°50	6°18	19°30	23°27	22° 6	10° 6	n.a.	T 19
F 20	15 25 35	21°43'13	17°12	6° 8	6°59	19°28	0°53	29° 9	20°51	6°17	19°29	23°19	22° 3	10°12	n.a.	F 20
S 21	15 29 31	22°40'21	2♋14	8° 1	7°48	20° 3	1° 0	29°16	20°52	6°16	19°27	23°11	22° 0	10°19	n.a.	S 21
S 22	15 33 28	23°37'29	16°57	9°57	8°38	20°38	1° 7	29°23	20°53	6°15	19°25	23° 4	21°57	10°26	n.a.	S 22
M23	15 37 24	24°34'37	1♌16	11°54	9°29	21°13	1°14	29°29	20°54	6°14	19°24	23° 0	21°53	10°33	n.a.	M23
T 24	15 41 21	25°31'43	15° 8	13°54	10°20	21°48	1°20	29°36	20°55	6°12	19°22	22°58	21°50	10°39	n.a.	T 24
W25	15 45 17	26°28'50	28°35	15°57	11°11	22°23	1°27	29°43	20°56	6°11	19°21	22°D58	21°47	10°46	n.a.	W25
T 26	15 49 14	27°25'55	11♍38	18° 1	12° 4	22°58	1°33	29°50	20°57	6°10	19°19	22°58	21°44	10°53	n.a.	T 26
F 27	15 53 11	28°23'01	24°21	20° 6	12°57	23°34	1°39	29°57	20°58	6° 9	19°18	22°R58	21°41	10°59	n.a.	F 27
S 28	15 57 7	29°20'06	6♎48	22°13	13°50	24° 9	1°45	0♋ 4	20°59	6° 8	19°16	22°57	21°38	11° 6	n.a.	S 28
S 29	16 1 4	0♊17'11	19° 2	24°22	14°44	24°44	1°51	0°11	21° 1	6° 6	19°15	22°54	21°34	11°13	n.a.	S 29
M30	16 5 0	1°14'15	1♏ 8	26°31	15°39	25°20	1°57	0°18	21° 2	6° 5	19°13	22°49	21°31	11°20	n.a.	M30
T 31	16 8 57	2♊11'20	13♏ 8	28♉41	16♈34	25♋55	2♓ 2	0♋25	21♌ 3	6♑ 4	19♏11	22♓41	21♓28	11♐26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	12n53	5s 7	1s21	0n44	3s22	2s25	0s10	25n 9	1n41	13s22	1s12	23n45	0n 1	15n30	0n47	23s15	0n21	9s46	8n30	2s 9	2s47	26s51			n.a.
M 2	13 13	10 52	2 23	1 7	3 21	2 22	0 19	25 6	1 40	13 19	1 12	23 45	0 1	15 30	0 47	23 15	0 21	9 46	8 30	2 10	2 49	26 52			n.a.
T 3	13 32	16 9	3 17	1 32	3 19	2 17	0 27	25 3	1 40	13 16	1 12	23 45	0 1	15 30	0 47	23 15	0 21	9 46	8 30	2 12	2 50	26 53			n.a.
W 4	13 51	20 45	4 2	1 59	3 16	2 12	0 35	24 59	1 39	13 13	1 12	23 45	0 1	15 30	0 47	23 15	0 21	9 45	8 30	2 14	2 51	26 55			n.a.
T 5	14 10	24 29	4 37	2 28	3 13	2 6	0 43	24 56	1 38	13 10	1 13	23 45	0 1	15 30	0 47	23 15	0 21	9 45	8 30	2 18	2 53	26 56			n.a.
F 6	14 29	27 10	4 58	2 59	3 8	1 59	0 51	24 52	1 38	13 7	1 13	23 46	0 1	15 30	0 47	23 15	0 21	9 45	8 30	2 21	2 54	26 57			n.a.
S 7	14 47	28 37	5 7	3 32	3 4	1 51	0 58	24 49	1 37	13 4	1 13	23 46	0 2	15 30	0 47	23 15	0 21	9 44	8 30	2 24	2 55	26 59			n.a.
S 8	15 6	28 45	5 3	4 6	2 58	1 43	1 6	24 45	1 36	13 1	1 13	23 46	0 2	15 30	0 47	23 15	0 21	9 44	8 30	2 27	2 56	27 0			n.a.
M 9	15 24	27 32	4 46	4 42	2 52	1 33	1 12	24 41	1 36	12 58	1 14	23 46	0 2	15 30	0 47	23 15	0 21	9 44	8 30	2 29	2 58	27 1			n.a.
T 10	15 42	25 2	4 15	5 19	2 46	1 24	1 19	24 37	1 35	12 55	1 14	23 46	0 2	15 30	0 47	23 15	0 21	9 43	8 30	2 30	2 59	27 3			n.a.
W11	15 59	21 21	3 33	5 58	2 38	1 13	1 25	24 32	1 35	12 53	1 14	23 46	0 2	15 30	0 47	23 15	0 21	9 43	8 30	2 30	3 0	27 4			n.a.
T 12	16 17	16 38	2 39	6 38	2 31	1 2	1 31	24 28	1 34	12 50	1 14	23 47	0 2	15 30	0 47	23 15	0 21	9 43	8 30	2 30	3 1	27 5			n.a.
F 13	16 34	11 3	1 36	7 19	2 23	0 50	1 37	24 23	1 33	12 47	1 15	23 47	0 2	15 29	0 47	23 15	0 21	9 42	8 29	2 30	3 3	27 6			n.a.
S 14	16 51	4 49	0 26	8 1	2 14	0 38	1 43	24 19	1 33	12 45	1 15	23 47	0 2	15 29	0 47	23 15	0 21	9 42	8 29	2 29	3 4	27 8			n.a.
S 15	17 7	1n51	0n48	8 45	2 5	0 25	1 48	24 14	1 32	12 42	1 15	23 47	0 2	15 29	0 47	23 15	0 21	9 41	8 29	2 30	3 5	27 9			n.a.
M16	17 24	8 39	2 1	9 30	1 55	0 11	1 53	24 9	1 31	12 39	1 16	23 47	0 2	15 29	0 46	23 15	0 21	9 41	8 29	2 30	3 7	27 10			n.a.
T 17	17 40	15 11	3 9	10 15	1 45	0n 3	1 58	24 4	1 31	12 37	1 16	23 47	0 2	15 29	0 46	23 15	0 21	9 41	8 29	2 32	3 8	27 11			n.a.
W18	17 55	20 58	4 4	11 1	1 35	0 17	2 3	23 58	1 30	12 34	1 16	23 48	0 3	15 28	0 46	23 15	0 21	9 41	8 29	2 35	3 9	27 13			n.a.
T 19	18 11	25 28	4 44	11 48	1 24	0 32	2 7	23 53	1 30	12 32	1 16	23 48	0 3	15 28	0 46	23 15	0 21	9 40	8 29	2 38	3 10	27 14			n.a.
F 20	18 26	28 9	5 3	12 35	1 13	0 48	2 12	23 47	1 29	12 30	1 17	23 48	0 3	15 28	0 46	23 15	0 21	9 40	8 29	2 41	3 12	27 15			n.a.
S 21	18 41	28 45	5 1	13 23	1 2	1 4	2 16	23 41	1 28	12 27	1 17	23 48	0 3	15 27	0 46	23 15	0 21	9 40	8 29	2 44	3 13	27 16			n.a.
S 22	18 55	27 16	4 39	14 11	0 51	1 20	2 19	23 35	1 28	12 25	1 17	23 48	0 3	15 27	0 46	23 15	0 21	9 39	8 29	2 47	3 14	27 18			n.a.
M23	19 10	24 2	4 0	14 59	0 40	1 37	2 23	23 29	1 27	12 23	1 18	23 48	0 3	15 27	0 46	23 15	0 21	9 39	8 28	2 49	3 15	27 19			n.a.
T 24	19 24	19 29	3 7	15 46	0 29	1 54	2 26	23 23	1 26	12 21	1 18	23 48	0 3	15 26	0 46	23 16	0 21	9 39	8 28	2 50	3 17	27 20			n.a.
W25	19 37	14 5	2 6	16 33	0 17	2 12	2 30	23 17	1 26	12 19	1 18	23 48	0 3	15 26	0 46	23 16	0 21	9 38	8 28	2 50	3 18	27 21			n.a.
T 26	19 51	8 13	1 0	17 19	0 6	2 30	2 33	23 10	1 25	12 17	1 18	23 49	0 3	15 26	0 46	23 16	0 21	9 38	8 28	2 50	3 19	27 22			n.a.
F 27	20 4	2 10	0s 7	18 5	0n 5	2 48	2 35	23 3	1 25	12 15	1 19	23 49	0 3	15 25	0 46	23 16	0 21	9 38	8 28	2 50	3 21	27 23			n.a.
S 28	20 16	3s51	1 13	18 49	0 16	3 6	2 38	22 57	1 24	12 13	1 19	23 49	0 3	15 25	0 46	23 16	0 21	9 38	8 28	2 50	3 22	27 25			n.a.
S 29	20 29	9 37	2 14	19 32	0 26	3 25	2 40	22 50	1 23	12 11	1 19	23 49	0 4	15 24	0 46	23 16	0 21	9 37	8 28	2 51	3 23	27 26			n.a.
M30	20 41	14 57	3 8	20 13	0 36	3 44	2 43	22 42	1 23	12 9	1 20	23 49	0 4	15 24	0 46	23 16	0 21	9 37	8 27	2 53	3 24	27 27			n.a.
T 31	20n52	19s41	3s53	20n52	0n46	4n 4	2s45	22n35	1n22	12s 8	1s20	23n49	0n 4	15n23	0n46	23s16	0n21	9s37	8n27	2s57	3s26	27s28			n.a.

Julian Day Number = 1549875.5, Delta T = 04h31m37s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'33, Lahiri = -10°26'32 Julian Calendar 1 May 470 BCE == Greg. Calendar 26 Apr. 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

JUNE 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 12 53	3♊ 8'24	25♏ 4	0♊51	17♈29	26♋31	2♓ 7	0♋32	21♌ 5	6°R 3	19°R10	22°R30	21♓25	11♐33	n.a.	W 1
T 2	16 16 50	4° 5'29	6♐57	3° 1	18°25	27° 7	2°13	0°40	21° 6	6♑ 1	19♏ 8	22♓18	21°22	11°40	n.a.	T 2
F 3	16 20 46	5° 2'33	18°50	5°11	19°22	27°43	2°18	0°47	21° 8	6° 0	19° 7	22° 5	21°18	11°46	n.a.	F 3
S 4	16 24 43	5°59'39	0♑43	7°21	20°18	28°18	2°23	0°54	21° 9	5°59	19° 5	21°53	21°15	11°53	n.a.	S 4
S 5	16 28 40	6°56'44	12°39	9°30	21°16	28°54	2°27	1° 1	21°11	5°57	19° 4	21°42	21°12	12° 0	n.a.	S 5
M 6	16 32 36	7°53'49	24°39	11°38	22°14	29°30	2°32	1° 9	21°12	5°56	19° 2	21°33	21° 9	12° 7	n.a.	M 6
T 7	16 36 33	8°50'56	6♒46	13°45	23°12	0♌ 6	2°36	1°16	21°14	5°55	19° 1	21°26	21° 6	12°13	n.a.	T 7
W 8	16 40 29	9°48'02	19° 4	15°50	24°10	0°42	2°40	1°23	21°16	5°53	19° 0	21°23	21° 3	12°20	n.a.	W 8
T 9	16 44 26	10°45'09	1♓37	17°54	25° 9	1°19	2°44	1°31	21°18	5°52	18°58	21°21	20°59	12°27	n.a.	T 9
F 10	16 48 22	11°42'17	14°29	19°57	26° 9	1°55	2°48	1°38	21°19	5°50	18°57	21°21	20°56	12°34	n.a.	F 10
S 11	16 52 19	12°39'25	27°45	21°58	27° 8	2°31	2°51	1°45	21°21	5°49	18°55	21°21	20°53	12°40	n.a.	S 11
S 12	16 56 16	13°36'34	11♈27	23°58	28° 8	3° 7	2°55	1°53	21°23	5°47	18°54	21°20	20°50	12°47	n.a.	S 12
M13	17 0 12	14°33'44	25°37	25°56	29° 9	3°44	2°58	2° 0	21°25	5°46	18°52	21°17	20°47	12°54	n.a.	M13
T 14	17 4 9	15°30'55	10♉14	27°52	0♉ 9	4°20	3° 1	2° 8	21°27	5°44	18°51	21°11	20°44	13° 0	n.a.	T 14
W15	17 8 5	16°28'06	25°14	29°46	1°10	4°57	3° 4	2°15	21°29	5°43	18°50	21° 3	20°40	13° 7	n.a.	W15
T 16	17 12 2	17°25'18	10♊29	1♋39	2°11	5°34	3° 7	2°23	21°31	5°41	18°48	20°53	20°37	13°14	n.a.	T 16
F 17	17 15 58	18°22'31	25°48	3°29	3°13	6°10	3° 9	2°31	21°34	5°40	18°47	20°42	20°34	13°21	n.a.	F 17
S 18	17 19 55	19°19'45	10♋59	5°18	4°15	6°47	3°11	2°38	21°36	5°38	18°46	20°32	20°31	13°27	n.a.	S 18
S 19	17 23 51	20°16'58	25°53	7° 5	5°17	7°24	3°14	2°46	21°38	5°37	18°44	20°23	20°28	13°34	n.a.	S 19
M20	17 27 48	21°14'13	10♌22	8°51	6°19	8° 1	3°16	2°53	21°40	5°35	18°43	20°17	20°24	13°41	n.a.	M20
T 21	17 31 45	22°11'28	24°22	10°34	7°22	8°38	3°17	3° 1	21°43	5°34	18°42	20°13	20°21	13°48	n.a.	T 21
W22	17 35 41	23° 8'43	7♍53	12°16	8°25	9°15	3°19	3° 9	21°45	5°32	18°41	20°12	20°18	13°54	n.a.	W22
T 23	17 39 38	24° 5'58	20°58	13°56	9°28	9°52	3°20	3°16	21°47	5°31	18°39	20°12	20°15	14° 1	n.a.	T 23
F 24	17 43 34	25° 3'15	3♎39	15°34	10°31	10°29	3°21	3°24	21°50	5°29	18°38	20°12	20°12	14° 8	n.a.	F 24
S 25	17 47 31	26° 0'31	16° 2	17°11	11°35	11° 6	3°22	3°32	21°52	5°27	18°37	20°10	20° 9	14°14	n.a.	S 25
S 26	17 51 27	26°57'49	28°12	18°45	12°39	11°43	3°23	3°39	21°55	5°26	18°36	20° 7	20° 5	14°21	n.a.	S 26
M27	17 55 24	27°55'07	10♏12	20°18	13°43	12°21	3°24	3°47	21°57	5°24	18°35	20° 1	20° 2	14°28	n.a.	M27
T 28	17 59 20	28°52'26	22° 7	21°49	14°47	12°58	3°24	3°55	22° 0	5°23	18°34	19°53	19°59	14°35	n.a.	T 28
W29	18 3 17	29°49'46	4♐ 0	23°18	15°52	13°35	3°R24	4° 2	22° 3	5°21	18°33	19°42	19°56	14°41	n.a.	W29
T 30	18 7 14	0♋47'06	15♐52	24♋46	16♉57	14♌13	3♓24	4♋10	22♌ 5	5♑19	18♏32	19♓29	19♓53	14♐48	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n 4	23s36	4s27	21n29	0n55	4n23	2s47	22n28	1n22	12s 6	1s20	23n49	0n 4	15n23	0n46	23s16	0n21	9s37	8n27	3s 1	3s27	27s29		n.a.
T 2	21 15	26 31	4 50	22 4	1 3	4 43	2 48	22 20	1 21	12 5	1 21	23 49	0 4	15 22	0 46	23 16	0 21	9 36	8 27	3 6	3 28	27 30		n.a.
F 3	21 25	28 16	5 0	22 37	1 11	5 3	2 50	22 12	1 20	12 3	1 21	23 49	0 4	15 22	0 46	23 16	0 21	9 36	8 27	3 11	3 29	27 31		n.a.
S 4	21 35	28 42	4 57	23 7	1 19	5 24	2 51	22 4	1 20	12 2	1 21	23 49	0 4	15 21	0 46	23 16	0 21	9 36	8 27	3 16	3 31	27 32		n.a.
S 5	21 45	27 48	4 41	23 34	1 25	5 44	2 53	21 56	1 19	12 0	1 22	23 49	0 4	15 21	0 46	23 16	0 21	9 36	8 26	3 20	3 32	27 33		n.a.
M 6	21 55	25 37	4 13	23 59	1 31	6 5	2 54	21 48	1 18	11 59	1 22	23 49	0 4	15 20	0 46	23 16	0 21	9 36	8 26	3 24	3 33	27 35		n.a.
T 7	22 4	22 15	3 32	24 21	1 37	6 26	2 55	21 40	1 18	11 58	1 22	23 49	0 4	15 20	0 46	23 16	0 21	9 35	8 26	3 26	3 34	27 36		n.a.
W 8	22 13	17 51	2 42	24 40	1 41	6 47	2 55	21 31	1 17	11 56	1 23	23 49	0 4	15 19	0 46	23 17	0 21	9 35	8 26	3 28	3 36	27 37		n.a.
T 9	22 21	12 38	1 42	24 56	1 45	7 8	2 56	21 22	1 17	11 55	1 23	23 49	0 4	15 18	0 46	23 17	0 21	9 35	8 26	3 28	3 37	27 38		n.a.
F 10	22 29	6 44	0 36	25 10	1 48	7 29	2 56	21 14	1 16	11 54	1 23	23 49	0 5	15 18	0 45	23 17	0 21	9 35	8 25	3 28	3 38	27 39		n.a.
S 11	22 37	0 24	0n34	25 21	1 51	7 50	2 57	21 5	1 15	11 53	1 23	23 49	0 5	15 17	0 45	23 17	0 21	9 35	8 25	3 28	3 40	27 40		n.a.
S 12	22 44	6n11	1 44	25 29	1 52	8 12	2 57	20 56	1 15	11 52	1 24	23 49	0 5	15 16	0 45	23 17	0 21	9 34	8 25	3 29	3 41	27 41		n.a.
M13	22 51	12 40	2 50	25 35	1 53	8 33	2 57	20 46	1 14	11 51	1 24	23 49	0 5	15 16	0 45	23 17	0 21	9 34	8 25	3 30	3 42	27 42		n.a.
T 14	22 57	18 40	3 48	25 38	1 54	8 55	2 57	20 37	1 14	11 50	1 24	23 49	0 5	15 15	0 45	23 17	0 21	9 34	8 24	3 32	3 43	27 43		n.a.
W15	23 3	23 42	4 31	25 39	1 54	9 16	2 57	20 27	1 13	11 50	1 25	23 49	0 5	15 14	0 45	23 17	0 21	9 34	8 24	3 36	3 45	27 44		n.a.
T 16	23 9	27 11	4 55	25 38	1 53	9 38	2 57	20 18	1 12	11 49	1 25	23 49	0 5	15 14	0 45	23 17	0 21	9 34	8 24	3 40	3 46	27 45		n.a.
F 17	23 14	28 40	4 59	25 34	1 51	10 0	2 56	20 8	1 12	11 48	1 25	23 49	0 5	15 13	0 45	23 17	0 21	9 34	8 24	3 44	3 47	27 46		n.a.
S 18	23 19	27 58	4 41	25 28	1 49	10 21	2 55	19 58	1 11	11 48	1 26	23 49	0 5	15 12	0 45	23 17	0 21	9 34	8 24	3 48	3 48	27 47		n.a.
S 19	23 24	25 15	4 5	25 20	1 47	10 43	2 55	19 48	1 10	11 47	1 26	23 49	0 5	15 11	0 45	23 17	0 21	9 33	8 23	3 51	3 50	27 48		n.a.
M20	23 28	20 58	3 14	25 11	1 44	11 4	2 54	19 38	1 10	11 47	1 26	23 49	0 5	15 11	0 45	23 17	0 21	9 33	8 23	3 54	3 51	27 49		n.a.
T 21	23 31	15 38	2 12	24 59	1 40	11 26	2 53	19 27	1 9	11 47	1 27	23 49	0 6	15 10	0 45	23 17	0 21	9 33	8 23	3 55	3 52	27 50		n.a.
W22	23 34	9 43	1 5	24 46	1 36	11 47	2 52	19 17	1 9	11 46	1 27	23 49	0 6	15 9	0 45	23 18	0 21	9 33	8 23	3 56	3 53	27 51		n.a.
T 23	23 37	3 34	0s 4	24 32	1 31	12 8	2 51	19 6	1 8	11 46	1 27	23 48	0 6	15 8	0 45	23 18	0 21	9 33	8 22	3 56	3 55	27 52		n.a.
F 24	23 40	2s33	1 11	24 16	1 26	12 29	2 50	18 55	1 7	11 46	1 28	23 48	0 6	15 7	0 45	23 18	0 21	9 33	8 22	3 56	3 56	27 53		n.a.
S 25	23 42	8 25	2 12	23 58	1 21	12 50	2 48	18 44	1 7	11 46	1 28	23 48	0 6	15 7	0 45	23 18	0 21	9 33	8 22	3 57	3 57	27 53		n.a.
S 26	23 43	13 52	3 6	23 40	1 15	13 11	2 47	18 33	1 6	11 46	1 28	23 48	0 6	15 6	0 45	23 18	0 21	9 33	8 21	3 58	3 59	27 54		n.a.
M27	23 44	18 43	3 51	23 20	1 9	13 32	2 45	18 22	1 6	11 46	1 29	23 48	0 6	15 5	0 45	23 18	0 21	9 33	8 21	4 0	4 0	27 55		n.a.
T 28	23 45	22 49	4 26	22 59	1 2	13 53	2 44	18 11	1 5	11 46	1 29	23 48	0 6	15 4	0 45	23 18	0 21	9 33	8 21	4 3	4 1	27 56		n.a.
W29	23 45	25 57	4 49	22 37	0 55	14 13	2 42	17 59	1 4	11 47	1 29	23 48	0 6	15 3	0 45	23 18	0 21	9 33	8 21	4 8	4 2	27 57		n.a.
T 30	23n45	27s57	4s59	22n14	0n47	14n34	2s40	17n48	1n 4	11s47	1s30	23n48	0n 6	15n 2	0n45	23s18	0n21	9s33	8n20	4s13	4s 4	27s58		n.a.

Julian Day Number = 1549906.5, Delta T = 04h31m36s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'29, Lahiri = -10°26'28 Julian Calendar 1 June 470 BCE == Greg. Calendar 27 May 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

JULY 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 11 10	1♋44'28	27♐46	26♋11	18♉ 2	14♌51	3°R24	4♋18	22♌ 8	5°R18	18°R31	19°R16	19♓50	14♐55	n.a.	F 1
S 2	18 15 7	2°41'51	9♑43	27°35	19° 7	15°28	3♓23	4°26	22°11	5♑16	18♏30	19♓ 3	19°46	15° 1	n.a.	S 2
S 3	18 19 3	3°39'14	21°45	28°57	20°12	16° 6	3°23	4°33	22°13	5°14	18°29	18°51	19°43	15° 8	n.a.	S 3
M 4	18 23 0	4°36'39	3♒52	0♌17	21°18	16°44	3°22	4°41	22°16	5°13	18°28	18°42	19°40	15°15	n.a.	M 4
T 5	18 26 56	5°34'06	16° 8	1°35	22°23	17°21	3°21	4°49	22°19	5°11	18°27	18°35	19°37	15°22	n.a.	T 5
W 6	18 30 53	6°31'33	28°33	2°50	23°29	17°59	3°20	4°56	22°22	5°10	18°26	18°31	19°34	15°28	n.a.	W 6
T 7	18 34 50	7°29'02	11♓10	4° 4	24°36	18°37	3°18	5° 4	22°25	5° 8	18°25	18°30	19°30	15°35	n.a.	T 7
F 8	18 38 46	8°26'33	24° 4	5°16	25°42	19°15	3°17	5°12	22°28	5° 6	18°24	18°D29	19°27	15°42	n.a.	F 8
S 9	18 42 43	9°24'05	7♈18	6°25	26°48	19°53	3°15	5°20	22°31	5° 5	18°23	18°R30	19°24	15°49	n.a.	S 9
S 10	18 46 39	10°21'38	20°54	7°32	27°55	20°31	3°13	5°27	22°34	5° 3	18°22	18°29	19°21	15°55	n.a.	S 10
M11	18 50 36	11°19'13	4♉54	8°37	29° 2	21°10	3°11	5°35	22°37	5° 1	18°21	18°27	19°18	16° 2	n.a.	M11
T 12	18 54 32	12°16'50	19°19	9°39	0♊ 9	21°48	3° 8	5°43	22°40	5° 0	18°21	18°23	19°15	16° 9	n.a.	T 12
W13	18 58 29	13°14'29	4♊ 5	10°38	1°16	22°26	3° 6	5°50	22°43	4°58	18°20	18°16	19°11	16°15	n.a.	W13
T 14	19 2 25	14°12'09	19° 7	11°35	2°23	23° 4	3° 3	5°58	22°46	4°57	18°19	18° 8	19° 8	16°22	n.a.	T 14
F 15	19 6 22	15° 9'51	4♋16	12°28	3°31	23°43	3° 0	6° 6	22°50	4°55	18°19	17°58	19° 5	16°29	n.a.	F 15
S 16	19 10 19	16° 7'35	19°22	13°19	4°39	24°21	2°57	6°13	22°53	4°53	18°18	17°49	19° 2	16°36	n.a.	S 16
S 17	19 14 15	17° 5'19	4♌15	14° 7	5°46	25° 0	2°54	6°21	22°56	4°52	18°17	17°42	18°59	16°42	n.a.	S 17
M18	19 18 12	18° 3'06	18°46	14°51	6°54	25°39	2°50	6°29	22°59	4°50	18°17	17°36	18°56	16°49	n.a.	M18
T 19	19 22 8	19° 0'53	2♍50	15°31	8° 2	26°17	2°46	6°36	23° 2	4°49	18°16	17°33	18°52	16°56	n.a.	T 19
W20	19 26 5	19°58'42	16°27	16° 8	9°11	26°56	2°43	6°44	23° 6	4°47	18°16	17°D32	18°49	17° 3	n.a.	W20
T 21	19 30 1	20°56'32	29°36	16°40	10°19	27°35	2°38	6°51	23° 9	4°46	18°15	17°33	18°46	17° 9	n.a.	T 21
F 22	19 33 58	21°54'23	12♎20	17° 8	11°27	28°14	2°34	6°59	23°12	4°44	18°15	17°34	18°43	17°16	n.a.	F 22
S 23	19 37 54	22°52'16	24°45	17°32	12°36	28°53	2°30	7° 7	23°16	4°42	18°14	17°R34	18°40	17°23	n.a.	S 23
S 24	19 41 51	23°50'10	6♏55	17°51	13°45	29°32	2°25	7°14	23°19	4°41	18°14	17°33	18°36	17°29	n.a.	S 24
M25	19 45 48	24°48'06	18°55	18° 5	14°54	0♏11	2°21	7°22	23°23	4°39	18°13	17°30	18°33	17°36	n.a.	M25
T 26	19 49 44	25°46'03	0♐48	18°14	16° 3	0°50	2°16	7°29	23°26	4°38	18°13	17°25	18°30	17°43	n.a.	T 26
W27	19 53 41	26°44'02	12°40	18°R17	17°12	1°29	2°10	7°36	23°30	4°36	18°13	17°18	18°27	17°50	n.a.	W27
T 28	19 57 37	27°42'02	24°34	18°14	18°21	2° 8	2° 5	7°44	23°33	4°35	18°12	17° 9	18°24	17°56	n.a.	T 28
F 29	20 1 34	28°40'04	6♑32	18° 5	19°31	2°47	2° 0	7°51	23°37	4°34	18°12	17° 0	18°21	18° 3	n.a.	F 29
S 30	20 5 30	29°38'07	18°35	17°50	20°40	3°27	1°54	7°59	23°40	4°32	18°12	16°51	18°17	18°10	n.a.	S 30
S 31	20 9 27	0♌36'13	0♒46	17♌29	21♊50	4♍ 6	1♓49	8♋ 6	23♌44	4♑31	18♏12	16♓43	18♓14	18♐17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n45	28s41	4s57	21n50	0n39	14n54	2s38	17n36	1n 3	11s47	1s30	23n47	0n 6	15n 1	0n45	23s18	0n21	9s33	8n20	4s18	4s 5	27s59		n.a.
S 2	23 44	28 4	4 41	21 26	0 31	15 14	2 36	17 24	1 3	11 48	1 30	23 47	0 6	15 0	0 45	23 18	0 21	9 33	8 20	4 23	4 6	28 0		n.a.
S 3	23 42	26 8	4 13	21 1	0 23	15 33	2 34	17 12	1 2	11 48	1 31	23 47	0 7	14 59	0 45	23 18	0 21	9 33	8 19	4 28	4 7	28 1		n.a.
M 4	23 40	22 59	3 33	20 35	0 14	15 53	2 32	17 0	1 1	11 49	1 31	23 47	0 7	14 58	0 45	23 18	0 21	9 33	8 19	4 32	4 9	28 1		n.a.
T 5	23 38	18 47	2 42	20 9	0 5	16 12	2 30	16 48	1 1	11 50	1 31	23 47	0 7	14 57	0 45	23 19	0 21	9 33	8 19	4 34	4 10	28 2		n.a.
W 6	23 35	13 45	1 44	19 43	0s 4	16 31	2 27	16 36	1 0	11 50	1 32	23 46	0 7	14 56	0 45	23 19	0 21	9 33	8 19	4 36	4 11	28 3		n.a.
T 7	23 32	8 4	0 39	19 16	0 14	16 49	2 25	16 23	0 59	11 51	1 32	23 46	0 7	14 55	0 45	23 19	0 20	9 33	8 18	4 37	4 12	28 4		n.a.
F 8	23 29	1 56	0n30	18 49	0 24	17 8	2 23	16 10	0 59	11 52	1 32	23 46	0 7	14 54	0 45	23 19	0 20	9 33	8 18	4 37	4 14	28 5		n.a.
S 9	23 25	4n26	1 38	18 22	0 34	17 26	2 20	15 58	0 58	11 53	1 33	23 46	0 7	14 53	0 45	23 19	0 20	9 33	8 18	4 36	4 15	28 5		n.a.
S 10	23 21	10 46	2 43	17 55	0 44	17 44	2 17	15 45	0 58	11 54	1 33	23 46	0 7	14 52	0 45	23 19	0 20	9 33	8 17	4 37	4 16	28 6		n.a.
M11	23 16	16 46	3 40	17 28	0 55	18 1	2 15	15 32	0 57	11 55	1 33	23 45	0 7	14 51	0 45	23 19	0 20	9 33	8 17	4 37	4 17	28 7		n.a.
T 12	23 11	22 2	4 25	17 1	1 5	18 18	2 12	15 19	0 56	11 56	1 34	23 45	0 7	14 50	0 44	23 19	0 20	9 34	8 17	4 39	4 19	28 8		n.a.
W13	23 5	26 3	4 54	16 35	1 16	18 35	2 9	15 6	0 56	11 58	1 34	23 45	0 7	14 49	0 44	23 19	0 20	9 34	8 16	4 42	4 20	28 9		n.a.
T 14	22 59	28 20	5 3	16 9	1 27	18 51	2 6	14 52	0 55	11 59	1 34	23 45	0 8	14 48	0 44	23 19	0 20	9 34	8 16	4 45	4 21	28 9		n.a.
F 15	22 53	28 32	4 51	15 43	1 38	19 7	2 3	14 39	0 55	12 0	1 35	23 44	0 8	14 47	0 44	23 19	0 20	9 34	8 16	4 49	4 22	28 10		n.a.
S 16	22 46	26 36	4 19	15 18	1 49	19 22	2 1	14 25	0 54	12 2	1 35	23 44	0 8	14 46	0 44	23 19	0 20	9 34	8 15	4 52	4 24	28 11		n.a.
S 17	22 39	22 50	3 29	14 54	2 0	19 37	1 58	14 12	0 53	12 3	1 35	23 44	0 8	14 45	0 44	23 19	0 20	9 34	8 15	4 55	4 25	28 12		n.a.
M18	22 31	17 44	2 27	14 30	2 11	19 52	1 55	13 58	0 53	12 5	1 36	23 44	0 8	14 44	0 44	23 20	0 20	9 34	8 15	4 58	4 26	28 12		n.a.
T 19	22 23	11 48	1 18	14 8	2 23	20 6	1 51	13 44	0 52	12 6	1 36	23 43	0 8	14 43	0 44	23 20	0 20	9 35	8 14	4 59	4 28	28 13		n.a.
W20	22 15	5 30	0 6	13 46	2 34	20 20	1 48	13 30	0 51	12 8	1 36	23 43	0 8	14 42	0 44	23 20	0 20	9 35	8 14	4 59	4 29	28 14		n.a.
T 21	22 6	0s49	1s 4	13 26	2 45	20 33	1 45	13 16	0 51	12 10	1 36	23 43	0 8	14 41	0 44	23 20	0 20	9 35	8 14	4 59	4 30	28 15		n.a.
F 22	21 57	6 55	2 9	13 7	2 56	20 46	1 42	13 2	0 50	12 12	1 37	23 42	0 8	14 39	0 44	23 20	0 20	9 35	8 13	4 59	4 31	28 15		n.a.
S 23	21 47	12 35	3 6	12 50	3 6	20 58	1 39	12 47	0 50	12 14	1 37	23 42	0 8	14 38	0 44	23 20	0 20	9 35	8 13	4 58	4 33	28 16		n.a.
S 24	21 37	17 40	3 53	12 34	3 16	21 10	1 35	12 33	0 49	12 16	1 37	23 42	0 8	14 37	0 44	23 20	0 20	9 36	8 13	4 59	4 34	28 17		n.a.
M25	21 27	21 59	4 29	12 20	3 26	21 22	1 32	12 18	0 48	12 18	1 38	23 41	0 9	14 36	0 44	23 20	0 20	9 36	8 12	5 0	4 35	28 17		n.a.
T 26	21 16	25 22	4 54	12 9	3 36	21 32	1 29	12 4	0 48	12 20	1 38	23 41	0 9	14 35	0 44	23 20	0 20	9 36	8 12	5 2	4 36	28 18		n.a.
W27	21 5	27 39	5 5	11 59	3 45	21 43	1 25	11 49	0 47	12 22	1 38	23 41	0 9	14 34	0 44	23 20	0 20	9 36	8 12	5 5	4 38	28 19		n.a.
T 28	20 54	28 42	5 4	11 52	3 53	21 52	1 22	11 34	0 46	12 24	1 38	23 40	0 9	14 32	0 44	23 20	0 20	9 37	8 11	5 8	4 39	28 19		n.a.
F 29	20 42	28 24	4 49	11 48	4 1	22 2	1 19	11 19	0 46	12 26	1 39	23 40	0 9	14 31	0 44	23 20	0 20	9 37	8 11	5 12	4 40	28 20		n.a.
S 30	20 30	26 45	4 21	11 46	4 7	22 10	1 15	11 4	0 45	12 28	1 39	23 40	0 9	14 30	0 44	23 20	0 20	9 37	8 10	5 15	4 41	28 21		n.a.
S 31	20n17	23s51	3s41	11n47	4s13	22n18	1s12	10n49	0n45	12s31	1s39	23n39	0n 9	14n29	0n44	23s20	0n20	9s37	8n10	5s18	4s43	28s21		n.a.

Julian Day Number = 1549936.5, Delta T = 04h31m35s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'25, Lahiri = -10°26'24 Julian Calendar 1 July 470 BCE == Greg. Calendar 26 June 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

AUGUST 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 13 23	1♌34'20	13♒ 6	17°R 2	23♊ 0	4♍46	1°R43	8♋13	23♌47	4°R29	18°R11	16°R37	18♓11	18♐23	n.a.	M 1
T 2	20 17 20	2°32'28	25°35	16♌28	24° 9	5°25	1♓37	8°21	23°51	4♑28	18♏11	16♓33	18° 8	18°30	n.a.	T 2
W 3	20 21 17	3°30'39	8♓15	15°49	25°19	6° 5	1°31	8°28	23°54	4°26	18°11	16°31	18° 5	18°37	n.a.	W 3
T 4	20 25 13	4°28'52	21° 7	15° 4	26°30	6°44	1°24	8°35	23°58	4°25	18°11	16°D31	18° 2	18°43	n.a.	T 4
F 5	20 29 10	5°27'07	4♈12	14°15	27°40	7°24	1°18	8°42	24° 2	4°24	18°11	16°32	17°58	18°50	n.a.	F 5
S 6	20 33 6	6°25'24	17°32	13°21	28°50	8° 4	1°11	8°49	24° 5	4°22	18°D11	16°33	17°55	18°57	n.a.	S 6
S 7	20 37 3	7°23'43	1♉ 9	12°24	0♋ 1	8°44	1° 5	8°57	24° 9	4°21	18°11	16°R34	17°52	19° 4	n.a.	S 7
M 8	20 40 59	8°22'05	15° 4	11°24	1°11	9°23	0°58	9° 4	24°13	4°20	18°11	16°34	17°49	19°10	n.a.	M 8
T 9	20 44 56	9°20'29	29°16	10°24	2°22	10° 3	0°51	9°11	24°16	4°19	18°11	16°33	17°46	19°17	n.a.	T 9
W10	20 48 52	10°18'55	13♊45	9°24	3°33	10°43	0°44	9°18	24°20	4°17	18°11	16°29	17°42	19°24	n.a.	W10
T 11	20 52 49	11°17'24	28°25	8°25	4°44	11°24	0°37	9°25	24°24	4°16	18°12	16°25	17°39	19°30	n.a.	T 11
F 12	20 56 46	12°15'54	13♋12	7°30	5°55	12° 4	0°30	9°32	24°28	4°15	18°12	16°20	17°36	19°37	n.a.	F 12
S 13	21 0 42	13°14'27	27°57	6°39	7° 6	12°44	0°22	9°39	24°31	4°14	18°12	16°15	17°33	19°44	n.a.	S 13
S 14	21 4 39	14°13'02	12♌34	5°54	8°17	13°24	0°15	9°45	24°35	4°13	18°12	16°11	17°30	19°51	n.a.	S 14
M15	21 8 35	15°11'39	26°54	5°15	9°29	14° 4	0° 8	9°52	24°39	4°11	18°12	16° 8	17°27	19°57	n.a.	M15
T 16	21 12 32	16°10'18	10♍53	4°45	10°40	14°45	29♒59	9°59	24°43	4°10	18°13	16°D 7	17°23	20° 4	n.a.	T 16
W17	21 16 28	17° 8'59	24°28	4°23	11°51	15°25	29°52	10° 6	24°46	4° 9	18°13	16° 7	17°20	20°11	n.a.	W17
T 18	21 20 25	18° 7'41	7♎39	4°10	13° 3	16° 6	29°45	10°12	24°50	4° 8	18°13	16° 8	17°17	20°18	n.a.	T 18
F 19	21 24 21	19° 6'26	20°27	4°D 7	14°15	16°46	29°37	10°19	24°54	4° 7	18°14	16°10	17°14	20°24	n.a.	F 19
S 20	21 28 18	20° 5'12	2♏55	4°14	15°27	17°27	29°29	10°26	24°58	4° 6	18°14	16°11	17°11	20°31	n.a.	S 20
S 21	21 32 15	21° 4'01	15° 8	4°30	16°38	18° 8	29°21	10°32	25° 1	4° 5	18°15	16°12	17° 8	20°38	n.a.	S 21
M22	21 36 11	22° 2'51	27° 9	4°56	17°50	18°48	29°13	10°38	25° 5	4° 4	18°15	16°R12	17° 4	20°44	n.a.	M22
T 23	21 40 8	23° 1'43	9♐ 3	5°31	19° 2	19°29	29° 5	10°45	25° 9	4° 3	18°16	16°11	17° 1	20°51	n.a.	T 23
W24	21 44 4	24° 0'37	20°56	6°15	20°15	20°10	28°57	10°51	25°13	4° 2	18°16	16° 9	16°58	20°58	n.a.	W24
T 25	21 48 1	24°59'32	2♑51	7° 7	21°27	20°51	28°49	10°58	25°17	4° 1	18°17	16° 7	16°55	21° 5	n.a.	T 25
F 26	21 51 57	25°58'30	14°52	8° 7	22°39	21°32	28°41	11° 4	25°20	4° 1	18°18	16° 3	16°52	21°11	n.a.	F 26
S 27	21 55 54	26°57'30	27° 2	9°14	23°52	22°13	28°33	11°10	25°24	4° 0	18°18	16° 0	16°48	21°18	n.a.	S 27
S 28	21 59 50	27°56'32	9♒23	10°27	25° 4	22°54	28°25	11°16	25°28	3°59	18°19	15°57	16°45	21°25	n.a.	S 28
M29	22 3 47	28°55'35	21°57	11°46	26°17	23°35	28°17	11°22	25°32	3°58	18°20	15°55	16°42	21°32	n.a.	M29
T 30	22 7 43	29°54'41	4♓44	13°10	27°29	24°16	28° 9	11°28	25°36	3°57	18°20	15°54	16°39	21°38	n.a.	T 30
W31	22 11 40	0♍53'49	17♓45	14♌38	28♋42	24♍58	28♒ 1	11♋34	25♌39	3♑57	18♏21	15°D54	16♓36	21♐45	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	20n 4	19s49	2s50	11n51	4s17	22n26	1s 8	10n34	0n44	12s33	1s39	23n39	0n 9	14n28	0n44	23s21	0n20	9s38	8n10	5s21	4s44	28s22			n.a.
T 2	19 51	14 54	1 51	11 58	4 20	22 33	1 5	10 19	0 43	12 35	1 40	23 39	0 9	14 26	0 44	23 21	0 20	9 38	8 9	5 23	4 45	28 22			n.a.
W 3	19 37	9 16	0 45	12 9	4 21	22 39	1 2	10 4	0 43	12 38	1 40	23 38	0 9	14 25	0 44	23 21	0 20	9 38	8 9	5 23	4 46	28 23			n.a.
T 4	19 24	3 11	0n25	12 22	4 21	22 44	0 58	9 48	0 42	12 40	1 40	23 38	0 10	14 24	0 44	23 21	0 20	9 39	8 9	5 23	4 48	28 24			n.a.
F 5	19 9	3n 8	1 34	12 38	4 19	22 49	0 55	9 33	0 41	12 43	1 40	23 37	0 10	14 23	0 44	23 21	0 20	9 39	8 8	5 23	4 49	28 24			n.a.
S 6	18 55	9 26	2 40	12 57	4 15	22 54	0 51	9 17	0 41	12 45	1 41	23 37	0 10	14 21	0 44	23 21	0 20	9 39	8 8	5 23	4 50	28 25			n.a.
S 7	18 40	15 26	3 39	13 19	4 9	22 58	0 48	9 1	0 40	12 48	1 41	23 37	0 10	14 20	0 44	23 21	0 20	9 40	8 8	5 22	4 51	28 25			n.a.
M 8	18 25	20 47	4 25	13 43	4 1	23 1	0 44	8 46	0 40	12 51	1 41	23 36	0 10	14 19	0 44	23 21	0 20	9 40	8 7	5 22	4 53	28 26			n.a.
T 9	18 9	25 5	4 57	14 9	3 52	23 3	0 41	8 30	0 39	12 53	1 41	23 36	0 10	14 18	0 44	23 21	0 20	9 40	8 7	5 23	4 54	28 26			n.a.
W10	17 53	27 53	5 10	14 36	3 40	23 5	0 37	8 14	0 38	12 56	1 41	23 35	0 10	14 16	0 44	23 21	0 20	9 41	8 6	5 24	4 55	28 27			n.a.
T 11	17 37	28 49	5 4	15 5	3 26	23 6	0 34	7 58	0 38	12 59	1 42	23 35	0 10	14 15	0 44	23 21	0 20	9 41	8 6	5 26	4 56	28 28			n.a.
F 12	17 21	27 42	4 38	15 34	3 11	23 7	0 30	7 42	0 37	13 1	1 42	23 35	0 10	14 14	0 44	23 21	0 20	9 42	8 6	5 28	4 58	28 28			n.a.
S 13	17 4	24 38	3 53	16 2	2 55	23 7	0 27	7 26	0 36	13 4	1 42	23 34	0 10	14 13	0 44	23 21	0 20	9 42	8 5	5 30	4 59	28 29			n.a.
S 14	16 47	20 1	2 53	16 31	2 37	23 6	0 23	7 9	0 36	13 7	1 42	23 34	0 10	14 11	0 44	23 21	0 20	9 42	8 5	5 31	5 0	28 29			n.a.
M15	16 29	14 19	1 43	16 58	2 18	23 5	0 20	6 53	0 35	13 10	1 42	23 33	0 11	14 10	0 44	23 21	0 20	9 43	8 5	5 32	5 1	28 30			n.a.
T 16	16 12	8 1	0 29	17 24	1 59	23 3	0 17	6 37	0 34	13 13	1 42	23 33	0 11	14 9	0 44	23 21	0 20	9 43	8 4	5 33	5 3	28 30			n.a.
W17	15 54	1 32	0s46	17 48	1 40	23 0	0 13	6 20	0 34	13 16	1 42	23 33	0 11	14 8	0 44	23 22	0 20	9 44	8 4	5 33	5 4	28 31			n.a.
T 18	15 36	4s50	1 55	18 9	1 21	22 56	0 10	6 4	0 33	13 18	1 43	23 32	0 11	14 6	0 44	23 22	0 20	9 44	8 4	5 32	5 5	28 31			n.a.
F 19	15 17	10 49	2 57	18 29	1 2	22 52	0 7	5 47	0 33	13 21	1 43	23 32	0 11	14 5	0 44	23 22	0 20	9 45	8 3	5 32	5 6	28 32			n.a.
S 20	14 59	16 13	3 49	18 45	0 43	22 47	0 3	5 31	0 32	13 24	1 43	23 31	0 11	14 4	0 44	23 22	0 20	9 45	8 3	5 31	5 8	28 32			n.a.
S 21	14 40	20 52	4 29	18 59	0 26	22 42	0 0	5 14	0 31	13 27	1 43	23 31	0 11	14 2	0 44	23 22	0 20	9 46	8 2	5 31	5 9	28 32			n.a.
M22	14 21	24 35	4 57	19 9	0 9	22 36	0n 3	4 57	0 31	13 30	1 43	23 31	0 11	14 1	0 44	23 22	0 20	9 46	8 2	5 31	5 10	28 33			n.a.
T 23	14 1	27 14	5 12	19 16	0n 8	22 29	0 6	4 40	0 30	13 33	1 43	23 30	0 11	14 0	0 44	23 22	0 20	9 47	8 2	5 31	5 11	28 33			n.a.
W24	13 42	28 39	5 13	19 19	0 23	22 22	0 9	4 24	0 29	13 36	1 43	23 30	0 12	13 59	0 44	23 22	0 20	9 47	8 1	5 32	5 13	28 34			n.a.
T 25	13 22	28 44	5 1	19 20	0 37	22 14	0 13	4 7	0 29	13 39	1 43	23 29	0 12	13 57	0 44	23 22	0 20	9 48	8 1	5 33	5 14	28 34			n.a.
F 26	13 2	27 29	4 36	19 16	0 49	22 5	0 16	3 50	0 28	13 42	1 43	23 29	0 12	13 56	0 44	23 22	0 20	9 48	8 1	5 34	5 15	28 35			n.a.
S 27	12 41	24 54	3 58	19 10	1 1	21 55	0 19	3 33	0 27	13 45	1 43	23 28	0 12	13 55	0 44	23 22	0 20	9 49	8 0	5 35	5 16	28 35			n.a.
S 28	12 21	21 9	3 8	18 59	1 11	21 45	0 22	3 16	0 27	13 48	1 43	23 28	0 12	13 53	0 44	23 22	0 20	9 49	8 0	5 37	5 18	28 35			n.a.
M29	12 0	16 24	2 8	18 46	1 20	21 35	0 25	2 59	0 26	13 50	1 43	23 28	0 12	13 52	0 44	23 22	0 20	9 50	8 0	5 37	5 19	28 36			n.a.
T 30	11 39	10 51	1 1	18 30	1 28	21 23	0 28	2 42	0 25	13 53	1 44	23 27	0 12	13 51	0 44	23 22	0 20	9 50	7 59	5 38	5 20	28 36			n.a.
W31	11n18	4s45	0n10	18n10	1n35	21n11	0n30	2n24	0n25	13s56	1s44	23n27	0n12	13n49	0n44	23s22	0n19	9s51	7n59	5s38	5s21	28s36			n.a.

Julian Day Number = 1549967.5, Delta T = 04h31m33s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'20, Lahiri = -10°26'20 Julian Calendar 1 Aug. 470 BCE == Greg. Calendar 27 July 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

SEPTEMBER 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 15 37	1♍52'59	0♈58	16♌10	29♋55	25♍39	27°R53	11♋40	25♌43	3°R56	18♏22	15♓54	16♓33	21♐52	n.a.	T 1
F 2	22 19 33	2°52'11	14°25	17°46	1♌ 8	26°20	27♒45	11°46	25°47	3♉55	18°23	15°55	16°29	21°58	n.a.	F 2
S 3	22 23 30	3°51'26	28° 4	19°23	2°21	27° 2	27°37	11°51	25°51	3°55	18°24	15°56	16°26	22° 5	n.a.	S 3
S 4	22 27 26	4°50'43	11♉53	21° 3	3°34	27°43	27°29	11°57	25°54	3°54	18°25	15°57	16°23	22°12	n.a.	S 4
M 5	22 31 23	5°50'03	25°53	22°45	4°47	28°25	27°21	12° 3	25°58	3°54	18°26	15°58	16°20	22°19	n.a.	M 5
T 6	22 35 19	6°49'25	10♊ 2	24°28	6° 0	29° 7	27°13	12° 8	26° 2	3°53	18°27	15°R58	16°17	22°25	n.a.	T 6
W 7	22 39 16	7°48'50	24°17	26°11	7°13	29°48	27° 6	12°14	26° 6	3°53	18°28	15°58	16°14	22°32	n.a.	W 7
T 8	22 43 12	8°48'17	8♋36	27°56	8°27	0♎30	26°58	12°19	26° 9	3°52	18°29	15°57	16°10	22°39	n.a.	T 8
F 9	22 47 9	9°47'47	22°56	29°41	9°40	1°12	26°50	12°24	26°13	3°52	18°30	15°56	16° 7	22°46	n.a.	F 9
S 10	22 51 6	10°47'19	7♌13	1♍26	10°54	1°54	26°43	12°30	26°17	3°51	18°31	15°56	16° 4	22°52	n.a.	S 10
S 11	22 55 2	11°46'53	21°22	3°11	12° 7	2°36	26°35	12°35	26°21	3°51	18°32	15°55	16° 1	22°59	n.a.	S 11
M12	22 58 59	12°46'30	5♍20	4°56	13°21	3°18	26°28	12°40	26°24	3°50	18°33	15°55	15°58	23° 6	n.a.	M12
T 13	23 2 55	13°46'08	19° 2	6°41	14°35	4° 0	26°20	12°45	26°28	3°50	18°34	15°D55	15°54	23°12	n.a.	T 13
W14	23 6 52	14°45'49	2♎26	8°26	15°48	4°42	26°13	12°50	26°32	3°50	18°36	15°55	15°51	23°19	n.a.	W14
T 15	23 10 48	15°45'31	15°31	10°10	17° 2	5°24	26° 6	12°55	26°35	3°50	18°37	15°R55	15°48	23°26	n.a.	T 15
F 16	23 14 45	16°45'16	28°18	11°54	18°16	6° 7	25°59	13° 0	26°39	3°49	18°38	15°55	15°45	23°33	n.a.	F 16
S 17	23 18 41	17°45'03	10♏46	13°37	19°30	6°49	25°52	13° 4	26°43	3°49	18°39	15°55	15°42	23°39	n.a.	S 17
S 18	23 22 38	18°44'51	23° 0	15°20	20°44	7°31	25°45	13° 9	26°46	3°49	18°41	15°55	15°39	23°46	n.a.	S 18
M19	23 26 34	19°44'41	5♐ 2	17° 3	21°58	8°14	25°38	13°13	26°50	3°49	18°42	15°54	15°35	23°53	n.a.	M19
T 20	23 30 31	20°44'34	16°58	18°44	23°12	8°56	25°32	13°18	26°53	3°49	18°43	15°D54	15°32	23°59	n.a.	T 20
W21	23 34 28	21°44'28	28°50	20°26	24°26	9°39	25°25	13°22	26°57	3°49	18°45	15°54	15°29	24° 6	n.a.	W21
T 22	23 38 24	22°44'23	10♑45	22° 6	25°40	10°21	25°19	13°26	27° 0	3°D49	18°46	15°54	15°26	24°13	n.a.	T 22
F 23	23 42 21	23°44'21	22°47	23°46	26°55	11° 4	25°13	13°31	27° 4	3°49	18°48	15°55	15°23	24°20	n.a.	F 23
S 24	23 46 17	24°44'20	5♒ 0	25°26	28° 9	11°47	25° 7	13°35	27° 7	3°49	18°49	15°56	15°19	24°26	n.a.	S 24
S 25	23 50 14	25°44'22	17°27	27° 5	29°23	12°29	25° 1	13°39	27°11	3°49	18°51	15°57	15°16	24°33	n.a.	S 25
M26	23 54 10	26°44'24	0♓11	28°43	0♍38	13°12	24°55	13°43	27°14	3°49	18°52	15°58	15°13	24°40	n.a.	M26
T 27	23 58 7	27°44'29	13°14	0♎21	1°52	13°55	24°50	13°46	27°18	3°49	18°54	15°R58	15°10	24°47	n.a.	T 27
W28	0 2 3	28°44'36	26°36	1°58	3° 7	14°38	24°44	13°50	27°21	3°50	18°55	15°58	15° 7	24°53	n.a.	W28
T 29	0 6 0	29°44'44	10♈16	3°35	4°21	15°21	24°39	13°54	27°24	3°50	18°57	15°57	15° 4	25° 0	n.a.	T 29
F 30	0 9 57	0♎44'55	24♈10	5♎12	5♍36	16♎ 4	24♒34	13♋57	27♌28	3♉50	18♏59	15♓55	15♓ 0	25♐ 7	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n57	1n39	1n22	17n48	1n41	20n59	0n33	2n 7	0n24	13s59	1s44	23n26	0n12	13n48	0n44	23s22	0n19	9s51	7n59	5s38	5s23	28s37		n.a.
F 2	10 35	8 4	2 31	17 23	1 45	20 45	0 36	1 50	0 24	14 2	1 44	23 26	0 12	13 47	0 44	23 22	0 19	9 52	7 58	5 37	5 24	28 37		n.a.
S 3	10 13	14 13	3 33	16 56	1 49	20 31	0 39	1 33	0 23	14 5	1 44	23 26	0 13	13 46	0 44	23 22	0 19	9 52	7 58	5 37	5 25	28 38		n.a.
S 4	9 52	19 45	4 22	16 26	1 52	20 17	0 41	1 15	0 22	14 7	1 44	23 25	0 13	13 44	0 44	23 22	0 19	9 53	7 58	5 37	5 26	28 38		n.a.
M 5	9 30	24 17	4 57	15 54	1 54	20 2	0 44	0 58	0 22	14 10	1 44	23 25	0 13	13 43	0 44	23 22	0 19	9 54	7 57	5 36	5 28	28 38		n.a.
T 6	9 7	27 26	5 15	15 20	1 55	19 46	0 47	0 41	0 21	14 13	1 44	23 24	0 13	13 42	0 44	23 22	0 19	9 54	7 57	5 36	5 29	28 38		n.a.
W 7	8 45	28 51	5 13	14 45	1 55	19 30	0 49	0 23	0 20	14 15	1 43	23 24	0 13	13 40	0 44	23 22	0 19	9 55	7 56	5 36	5 30	28 39		n.a.
T 8	8 22	28 20	4 52	14 8	1 55	19 13	0 52	0 6	0 20	14 18	1 43	23 24	0 13	13 39	0 44	23 23	0 19	9 55	7 56	5 37	5 31	28 39		n.a.
F 9	8 0	25 56	4 13	13 30	1 53	18 56	0 54	0s12	0 19	14 21	1 43	23 23	0 13	13 38	0 44	23 23	0 19	9 56	7 56	5 37	5 33	28 39		n.a.
S 10	7 37	21 54	3 18	12 51	1 52	18 38	0 56	0 29	0 18	14 23	1 43	23 23	0 13	13 37	0 44	23 23	0 19	9 57	7 55	5 37	5 34	28 40		n.a.
S 11	7 14	16 39	2 12	12 10	1 50	18 19	0 59	0 47	0 18	14 26	1 43	23 22	0 13	13 35	0 44	23 23	0 19	9 57	7 55	5 37	5 35	28 40		n.a.
M12	6 51	10 35	0 58	11 29	1 47	18 0	1 1	1 4	0 17	14 28	1 43	23 22	0 14	13 34	0 44	23 23	0 19	9 58	7 55	5 38	5 36	28 40		n.a.
T 13	6 28	4 8	0s17	10 46	1 44	17 41	1 3	1 22	0 16	14 31	1 43	23 22	0 14	13 33	0 44	23 23	0 19	9 59	7 54	5 38	5 38	28 40		n.a.
W14	6 5	2s22	1 30	10 3	1 40	17 20	1 5	1 39	0 16	14 33	1 43	23 21	0 14	13 32	0 44	23 23	0 19	9 59	7 54	5 38	5 39	28 41		n.a.
T 15	5 41	8 36	2 37	9 20	1 36	17 0	1 7	1 57	0 15	14 36	1 43	23 21	0 14	13 30	0 44	23 23	0 19	10 0	7 54	5 37	5 40	28 41		n.a.
F 16	5 18	14 20	3 34	8 36	1 32	16 39	1 9	2 14	0 14	14 38	1 43	23 21	0 14	13 29	0 44	23 23	0 19	10 1	7 53	5 38	5 41	28 41		n.a.
S 17	4 54	19 21	4 19	7 51	1 27	16 17	1 11	2 32	0 14	14 40	1 43	23 20	0 14	13 28	0 44	23 23	0 19	10 1	7 53	5 38	5 43	28 41		n.a.
S 18	4 30	23 28	4 52	7 7	1 22	15 55	1 13	2 49	0 13	14 43	1 43	23 20	0 14	13 27	0 44	23 23	0 19	10 2	7 53	5 38	5 44	28 42		n.a.
M19	4 7	26 31	5 11	6 22	1 17	15 32	1 14	3 7	0 12	14 45	1 43	23 20	0 14	13 25	0 44	23 23	0 19	10 3	7 53	5 38	5 45	28 42		n.a.
T 20	3 43	28 21	5 17	5 36	1 12	15 9	1 16	3 24	0 12	14 47	1 42	23 19	0 14	13 24	0 44	23 23	0 19	10 3	7 52	5 38	5 46	28 42		n.a.
W21	3 19	28 54	5 9	4 51	1 6	14 46	1 18	3 42	0 11	14 49	1 42	23 19	0 15	13 23	0 44	23 23	0 19	10 4	7 52	5 38	5 48	28 42		n.a.
T 22	2 55	28 5	4 48	4 6	1 0	14 22	1 19	4 0	0 10	14 51	1 42	23 19	0 15	13 22	0 44	23 23	0 19	10 5	7 52	5 38	5 49	28 42		n.a.
F 23	2 31	25 58	4 14	3 20	0 54	13 58	1 21	4 17	0 10	14 53	1 42	23 18	0 15	13 21	0 44	23 23	0 19	10 5	7 51	5 37	5 50	28 43		n.a.
S 24	2 7	22 38	3 28	2 35	0 48	13 33	1 22	4 35	0 9	14 55	1 42	23 18	0 15	13 19	0 44	23 23	0 19	10 6	7 51	5 37	5 51	28 43		n.a.
S 25	1 43	18 12	2 31	1 49	0 42	13 8	1 23	4 52	0 9	14 57	1 42	23 18	0 15	13 18	0 44	23 23	0 19	10 7	7 51	5 37	5 53	28 43		n.a.
M26	1 19	12 54	1 26	1 4	0 36	12 43	1 25	5 10	0 8	14 59	1 41	23 17	0 15	13 17	0 44	23 23	0 19	10 7	7 50	5 36	5 54	28 43		n.a.
T 27	0 55	6 54	0 15	0 18	0 29	12 17	1 26	5 27	0 7	15 0	1 41	23 17	0 15	13 16	0 44	23 23	0 19	10 8	7 50	5 36	5 55	28 43		n.a.
W28	0 30	0 29	0n58	0s27	0 23	11 51	1 27	5 44	0 7	15 2	1 41	23 17	0 15	13 15	0 44	23 23	0 19	10 9	7 50	5 36	5 56	28 43		n.a.
T 29	0 6	6n 6	2 10	1 12	0 16	11 24	1 28	6 2	0 6	15 4	1 41	23 17	0 16	13 14	0 44	23 23	0 19	10 9	7 50	5 37	5 58	28 43		n.a.
F 30	0s18	12n31	3n16	1s56	0n10	10n57	1n29	6s19	0n 5	15s 5	1s41	23n16	0n16	13n12	0n44	23s23	0n19	10s10	7n49	5s37	5s59	28s44		n.a.

Julian Day Number = 1549998.5, Delta T = 04h31m32s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'16, Lahiri = -10°26'16 Julian Calendar 1 Sept. 470 BCE == Greg. Calendar 27 Aug. 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

OCTOBER 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 13 53	1♎45'07	8♉17	6♎48	6♍50	16♎47	24°R29	14♋ 1	27♌31	3♑50	19♏ 0	15°R53	14♓57	25♐13	n.a.	S 1
S 2	0 17 50	2°45'22	22°31	8°23	8° 5	17°30	24♒24	14° 4	27°34	3°51	19° 2	15♓51	14°54	25°20	n.a.	S 2
M 3	0 21 46	3°45'39	6♊48	9°58	9°20	18°14	24°20	14° 7	27°38	3°51	19° 4	15°49	14°51	25°27	n.a.	M 3
T 4	0 25 43	4°45'58	21° 5	11°33	10°35	18°57	24°15	14°10	27°41	3°51	19° 5	15°48	14°48	25°34	n.a.	T 4
W 5	0 29 39	5°46'19	5♋18	13° 7	11°49	19°40	24°11	14°14	27°44	3°52	19° 7	15°D47	14°45	25°40	n.a.	W 5
T 6	0 33 36	6°46'42	19°25	14°41	13° 4	20°24	24° 7	14°16	27°47	3°52	19° 9	15°48	14°41	25°47	n.a.	T 6
F 7	0 37 32	7°47'08	3♌25	16°14	14°19	21° 7	24° 3	14°19	27°50	3°53	19°11	15°49	14°38	25°54	n.a.	F 7
S 8	0 41 29	8°47'35	17°16	17°47	15°34	21°51	24° 0	14°22	27°53	3°53	19°13	15°50	14°35	26° 0	n.a.	S 8
S 9	0 45 26	9°48'05	0♍57	19°20	16°49	22°34	23°56	14°25	27°57	3°54	19°14	15°52	14°32	26° 7	n.a.	S 9
M10	0 49 22	10°48'36	14°26	20°53	18° 4	23°18	23°53	14°27	28° 0	3°54	19°16	15°R52	14°29	26°14	n.a.	M10
T 11	0 53 19	11°49'09	27°44	22°25	19°19	24° 2	23°50	14°30	28° 3	3°55	19°18	15°52	14°25	26°21	n.a.	T 11
W12	0 57 15	12°49'44	10♎49	23°57	20°34	24°46	23°47	14°32	28° 6	3°56	19°20	15°50	14°22	26°27	n.a.	W12
T 13	1 1 12	13°50'20	23°41	25°28	21°49	25°29	23°44	14°34	28° 9	3°56	19°22	15°47	14°19	26°34	n.a.	T 13
F 14	1 5 8	14°50'58	6♏18	26°59	23° 4	26°13	23°42	14°36	28°11	3°57	19°24	15°42	14°16	26°41	n.a.	F 14
S 15	1 9 5	15°51'38	18°42	28°30	24°19	26°57	23°39	14°38	28°14	3°58	19°26	15°36	14°13	26°47	n.a.	S 15
S 16	1 13 1	16°52'19	0♐53	0♏ 1	25°34	27°41	23°37	14°40	28°17	3°59	19°28	15°31	14°10	26°54	n.a.	S 16
M17	1 16 58	17°53'01	12°55	1°31	26°50	28°25	23°35	14°42	28°20	4° 0	19°30	15°26	14° 6	27° 1	n.a.	M17
T 18	1 20 55	18°53'45	24°49	3° 1	28° 5	29° 9	23°34	14°44	28°23	4° 0	19°32	15°22	14° 3	27° 8	n.a.	T 18
W19	1 24 51	19°54'30	6♑40	4°30	29°20	29°53	23°32	14°45	28°25	4° 1	19°34	15°19	14° 0	27°14	n.a.	W19
T 20	1 28 48	20°55'17	18°33	5°59	0♎35	0♏38	23°31	14°47	28°28	4° 2	19°36	15°D18	13°57	27°21	n.a.	T 20
F 21	1 32 44	21°56'04	0♒32	7°28	1°51	1°22	23°30	14°48	28°31	4° 3	19°38	15°18	13°54	27°28	n.a.	F 21
S 22	1 36 41	22°56'52	12°42	8°56	3° 6	2° 6	23°29	14°49	28°33	4° 4	19°40	15°20	13°51	27°35	n.a.	S 22
S 23	1 40 37	23°57'42	25° 9	10°24	4°21	2°51	23°29	14°50	28°36	4° 5	19°42	15°21	13°47	27°41	n.a.	S 23
M24	1 44 34	24°58'33	7♓56	11°51	5°36	3°35	23°28	14°51	28°38	4° 6	19°44	15°23	13°44	27°48	n.a.	M24
T 25	1 48 30	25°59'24	21° 6	13°18	6°52	4°19	23°28	14°52	28°41	4° 7	19°46	15°R23	13°41	27°55	n.a.	T 25
W26	1 52 27	27° 0'17	4♈41	14°44	8° 7	5° 4	23°D28	14°53	28°43	4° 9	19°48	15°21	13°38	28° 1	n.a.	W26
T 27	1 56 24	28° 1'11	18°41	16° 9	9°22	5°49	23°28	14°54	28°46	4°10	19°50	15°17	13°35	28° 8	n.a.	T 27
F 28	2 0 20	29° 2'06	3♉ 1	17°33	10°38	6°33	23°29	14°54	28°48	4°11	19°52	15°12	13°31	28°15	n.a.	F 28
S 29	2 4 17	0♏ 3'03	17°38	18°56	11°53	7°18	23°29	14°55	28°50	4°12	19°54	15° 5	13°28	28°22	n.a.	S 29
S 30	2 8 13	1° 4'00	2♊22	20°18	13° 9	8° 3	23°30	14°55	28°53	4°13	19°57	14°57	13°25	28°28	n.a.	S 30
M31	2 12 10	2♏ 4'59	17♊ 6	21♏39	14♎24	8♏47	23♒31	14♋55	28♌55	4♑15	19♏59	14♓50	13♓22	28♐35	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	0s42	18n23	4n10	2s41	0n 3	10n30	1n30	6s37	0n 5	15s 7	1s41	23n16	0n16	13n11	0n44	23s23	0n19	10s11	7n49	5s38	6s 0	28s44			n.a.
S 2	1 7	23 18	4 49	3 25	0s 3	10 3	1 31	6 54	0 4	15 8	1 40	23 16	0 16	13 10	0 44	23 23	0 19	10 12	7 49	5 39	6 1	28 44			n.a.
M 3	1 31	26 50	5 11	4 9	0 10	9 35	1 31	7 11	0 3	15 9	1 40	23 16	0 16	13 9	0 45	23 23	0 19	10 12	7 48	5 40	6 3	28 44			n.a.
T 4	1 55	28 40	5 14	4 53	0 17	9 7	1 32	7 29	0 3	15 11	1 40	23 15	0 16	13 8	0 45	23 23	0 19	10 13	7 48	5 40	6 4	28 44			n.a.
W 5	2 19	28 36	4 57	5 36	0 23	8 39	1 33	7 46	0 2	15 12	1 40	23 15	0 16	13 7	0 45	23 23	0 19	10 14	7 48	5 41	6 5	28 44			n.a.
T 6	2 43	26 39	4 23	6 19	0 30	8 10	1 33	8 3	0 1	15 13	1 40	23 15	0 16	13 6	0 45	23 23	0 19	10 14	7 48	5 40	6 6	28 44			n.a.
F 7	3 8	23 5	3 33	7 1	0 36	7 41	1 34	8 20	0 1	15 14	1 39	23 15	0 17	13 5	0 45	23 23	0 19	10 15	7 47	5 40	6 8	28 44			n.a.
S 8	3 32	18 15	2 31	7 43	0 43	7 12	1 34	8 37	0s 0	15 15	1 39	23 15	0 17	13 4	0 45	23 23	0 19	10 16	7 47	5 39	6 9	28 44			n.a.
S 9	3 56	12 33	1 21	8 25	0 49	6 43	1 34	8 54	0 1	15 16	1 39	23 15	0 17	13 3	0 45	23 23	0 19	10 17	7 47	5 39	6 10	28 44			n.a.
M10	4 20	6 19	0 8	9 6	0 55	6 13	1 34	9 11	0 1	15 17	1 39	23 14	0 17	13 2	0 45	23 23	0 19	10 17	7 47	5 39	6 11	28 44			n.a.
T 11	4 44	0s 5	1s 5	9 47	1 2	5 44	1 35	9 28	0 2	15 18	1 38	23 14	0 17	13 1	0 45	23 23	0 19	10 18	7 46	5 39	6 13	28 44			n.a.
W12	5 8	6 22	2 13	10 27	1 8	5 14	1 35	9 45	0 3	15 19	1 38	23 14	0 17	12 59	0 45	23 23	0 19	10 19	7 46	5 39	6 14	28 44			n.a.
T 13	5 32	12 17	3 12	11 7	1 14	4 44	1 35	10 2	0 3	15 19	1 38	23 14	0 17	12 58	0 45	23 23	0 19	10 20	7 46	5 41	6 15	28 44			n.a.
F 14	5 56	17 35	4 1	11 46	1 20	4 14	1 35	10 19	0 4	15 20	1 38	23 14	0 17	12 57	0 45	23 23	0 18	10 20	7 46	5 43	6 16	28 44			n.a.
S 15	6 19	22 4	4 38	12 25	1 25	3 44	1 34	10 35	0 5	15 20	1 37	23 14	0 18	12 57	0 45	23 23	0 18	10 21	7 45	5 45	6 18	28 44			n.a.
S 16	6 43	25 31	5 1	13 2	1 31	3 13	1 34	10 52	0 5	15 21	1 37	23 14	0 18	12 56	0 45	23 23	0 18	10 22	7 45	5 47	6 19	28 44			n.a.
M17	7 6	27 47	5 11	13 40	1 36	2 43	1 34	11 9	0 6	15 21	1 37	23 14	0 18	12 55	0 45	23 23	0 18	10 23	7 45	5 49	6 20	28 44			n.a.
T 18	7 30	28 46	5 7	14 16	1 42	2 12	1 34	11 25	0 7	15 22	1 37	23 14	0 18	12 54	0 45	23 23	0 18	10 23	7 45	5 51	6 21	28 44			n.a.
W19	7 53	28 25	4 50	14 52	1 47	1 41	1 33	11 42	0 7	15 22	1 36	23 14	0 18	12 53	0 45	23 23	0 18	10 24	7 44	5 52	6 22	28 44			n.a.
T 20	8 16	26 45	4 21	15 27	1 52	1 11	1 33	11 58	0 8	15 22	1 36	23 14	0 18	12 52	0 45	23 23	0 18	10 25	7 44	5 52	6 24	28 44			n.a.
F 21	8 39	23 52	3 40	16 1	1 56	0 40	1 32	12 14	0 9	15 22	1 36	23 13	0 18	12 51	0 45	23 23	0 18	10 25	7 44	5 52	6 25	28 44			n.a.
S 22	9 2	19 54	2 48	16 34	2 1	0 9	1 31	12 30	0 9	15 22	1 36	23 13	0 19	12 50	0 45	23 23	0 18	10 26	7 44	5 51	6 26	28 44			n.a.
S 23	9 25	15 0	1 48	17 6	2 5	0s22	1 31	12 46	0 10	15 22	1 35	23 13	0 19	12 49	0 45	23 23	0 18	10 27	7 44	5 51	6 27	28 44			n.a.
M24	9 48	9 20	0 40	17 38	2 9	0 53	1 30	13 2	0 10	15 22	1 35	23 14	0 19	12 48	0 45	23 23	0 18	10 28	7 43	5 50	6 29	28 44			n.a.
T 25	10 10	3 6	0n31	18 8	2 12	1 24	1 29	13 18	0 11	15 22	1 35	23 14	0 19	12 47	0 45	23 23	0 18	10 28	7 43	5 50	6 30	28 44			n.a.
W26	10 32	3n27	1 43	18 37	2 15	1 55	1 28	13 34	0 12	15 22	1 35	23 14	0 19	12 47	0 45	23 23	0 18	10 29	7 43	5 51	6 31	28 43			n.a.
T 27	10 54	10 2	2 50	19 5	2 18	2 26	1 27	13 50	0 12	15 21	1 34	23 14	0 19	12 46	0 45	23 23	0 18	10 30	7 43	5 52	6 32	28 43			n.a.
F 28	11 16	16 15	3 49	19 32	2 20	2 57	1 26	14 5	0 13	15 21	1 34	23 14	0 19	12 45	0 45	23 23	0 18	10 31	7 43	5 54	6 34	28 43			n.a.
S 29	11 38	21 40	4 33	19 58	2 22	3 27	1 25	14 21	0 14	15 20	1 34	23 14	0 19	12 44	0 45	23 23	0 18	10 31	7 42	5 57	6 35	28 43			n.a.
S 30	12 0	25 48	5 0	20 22	2 24	3 58	1 24	14 36	0 14	15 20	1 33	23 14	0 20	12 43	0 45	23 23	0 18	10 32	7 42	6 0	6 36	28 43			n.a.
M31	12s21	28n13	5n 7	20s44	2s25	4s29	1n23	14s51	0s15	15s19	1s33	23n14	0n20	12n43	0n45	23s23	0n18	10s33	7n42	6s 3	6s37	28s43			n.a.

Julian Day Number = 1550028.5, Delta T = 04h31m31s
Ecliptic obliquity = 23°45'17, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'12, Lahiri = -10°26'12 Julian Calendar 1 Oct. 470 BCE == Greg. Calendar 26 Sept. 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

NOVEMBER 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 16 6	3♏ 6'00	1♋44	22♏58	15♎39	9♏32	23♒32	14♋56	28♌57	4♉16	20♏ 1	14°R45	13♓19	28♐42	n.a.	T 1
W 2	2 20 3	4° 7'02	16° 9	24°15	16°55	10°17	23°34	14°R56	28°59	4°17	20° 3	14♓41	13°16	28°48	n.a.	W 2
T 3	2 23 59	5° 8'05	0♌18	25°30	18°10	11° 2	23°35	14°56	29° 1	4°19	20° 5	14°D39	13°12	28°55	n.a.	T 3
F 4	2 27 56	6° 9'09	14°10	26°43	19°26	11°47	23°37	14°55	29° 3	4°20	20° 7	14°40	13° 9	29° 2	n.a.	F 4
S 5	2 31 53	7°10'14	27°46	27°52	20°41	12°32	23°39	14°55	29° 5	4°21	20°10	14°41	13° 6	29° 9	n.a.	S 5
S 6	2 35 49	8°11'21	11♍ 6	28°59	21°57	13°17	23°42	14°55	29° 7	4°23	20°12	14°R41	13° 3	29°15	n.a.	S 6
M 7	2 39 46	9°12'28	24°13	0♐ 2	23°12	14° 2	23°44	14°54	29° 9	4°24	20°14	14°41	13° 0	29°22	n.a.	M 7
T 8	2 43 42	10°13'37	7♎ 7	1° 0	24°28	14°47	23°47	14°53	29°11	4°26	20°16	14°38	12°56	29°29	n.a.	T 8
W 9	2 47 39	11°14'47	19°51	1°54	25°43	15°33	23°50	14°53	29°13	4°27	20°19	14°33	12°53	29°35	n.a.	W 9
T 10	2 51 35	12°15'57	2♏24	2°42	26°59	16°18	23°53	14°52	29°14	4°29	20°21	14°25	12°50	29°42	n.a.	T 10
F 11	2 55 32	13°17'09	14°47	3°23	28°14	17° 3	23°56	14°51	29°16	4°30	20°23	14°15	12°47	29°49	n.a.	F 11
S 12	2 59 28	14°18'21	27° 2	3°57	29°30	17°48	23°59	14°50	29°18	4°32	20°25	14° 3	12°44	29°56	n.a.	S 12
S 13	3 3 25	15°19'33	9♐ 7	4°23	0♏45	18°34	24° 3	14°48	29°19	4°34	20°27	13°51	12°41	0♑ 2	n.a.	S 13
M14	3 7 22	16°20'47	21° 5	4°40	2° 1	19°19	24° 7	14°47	29°21	4°35	20°30	13°39	12°37	0° 9	n.a.	M14
T 15	3 11 18	17°22'00	2♑58	4°R48	3°16	20° 5	24°11	14°45	29°22	4°37	20°32	13°29	12°34	0°16	n.a.	T 15
W16	3 15 15	18°23'14	14°48	4°44	4°32	20°50	24°15	14°44	29°24	4°39	20°34	13°21	12°31	0°23	n.a.	W16
T 17	3 19 11	19°24'28	26°38	4°30	5°48	21°36	24°19	14°42	29°25	4°40	20°36	13°15	12°28	0°29	n.a.	T 17
F 18	3 23 8	20°25'43	8♒34	4° 3	7° 3	22°22	24°24	14°41	29°26	4°42	20°39	13°13	12°25	0°36	n.a.	F 18
S 19	3 27 4	21°26'57	20°39	3°25	8°19	23° 7	24°29	14°39	29°27	4°44	20°41	13°D12	12°22	0°43	n.a.	S 19
S 20	3 31 1	22°28'12	3♓ 0	2°36	9°34	23°53	24°34	14°37	29°29	4°46	20°43	13°12	12°18	0°49	n.a.	S 20
M21	3 34 58	23°29'26	15°42	1°36	10°50	24°39	24°39	14°35	29°30	4°47	20°45	13°R12	12°15	0°56	n.a.	M21
T 22	3 38 54	24°30'41	28°49	0°28	12° 5	25°24	24°44	14°32	29°31	4°49	20°48	13°11	12°12	1° 3	n.a.	T 22
W23	3 42 51	25°31'55	12♈25	29♏12	13°21	26°10	24°50	14°30	29°32	4°51	20°50	13° 8	12° 9	1°10	n.a.	W23
T 24	3 46 47	26°33'10	26°30	27°52	14°36	26°56	24°56	14°28	29°33	4°53	20°52	13° 2	12° 6	1°16	n.a.	T 24
F 25	3 50 44	27°34'24	11♉ 3	26°30	15°52	27°42	25° 1	14°25	29°34	4°55	20°54	12°54	12° 2	1°23	n.a.	F 25
S 26	3 54 40	28°35'39	25°58	25° 8	17° 7	28°28	25° 7	14°23	29°35	4°57	20°57	12°43	11°59	1°30	n.a.	S 26
S 27	3 58 37	29°36'54	11♊ 6	23°50	18°23	29°14	25°14	14°20	29°35	4°59	20°59	12°31	11°56	1°36	n.a.	S 27
M28	4 2 33	0♐38'09	26°16	22°38	19°38	0♐ 0	25°20	14°17	29°36	5° 1	21° 1	12°20	11°53	1°43	n.a.	M28
T 29	4 6 30	1°39'24	11♋19	21°34	20°54	0°46	25°27	14°14	29°37	5° 3	21° 3	12°11	11°50	1°50	n.a.	T 29
W30	4 10 27	2♐40'39	26♋ 5	20♏39	22♏ 9	1♐32	25♒33	14♋11	29♌38	5♑ 5	21♏ 6	12♓ 4	11♓47	1♑57	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s42	28n39	4n54	21s 6	2s25	4s59	1n22	15s 6	0s16	15s19	1s33	23n14	0n20	12n42	0n45	23s23	0n18	10s34	7n42	6s 5	6s39	28s43		n.a.
W 2	13 3	27 6	4 23	21 25	2 25	5 30	1 20	15 21	0 16	15 18	1 33	23 14	0 20	12 41	0 45	23 23	0 18	10 34	7 42	6 7	6 40	28 42		n.a.
T 3	13 24	23 51	3 35	21 43	2 24	6 0	1 19	15 36	0 17	15 17	1 32	23 14	0 20	12 41	0 46	23 23	0 18	10 35	7 42	6 7	6 41	28 42		n.a.
F 4	13 45	19 17	2 36	21 59	2 23	6 31	1 17	15 51	0 18	15 16	1 32	23 15	0 20	12 40	0 46	23 23	0 18	10 36	7 41	6 7	6 42	28 42		n.a.
S 5	14 5	13 49	1 30	22 13	2 20	7 1	1 16	16 5	0 18	15 15	1 32	23 15	0 20	12 39	0 46	23 23	0 18	10 36	7 41	6 7	6 43	28 42		n.a.
S 6	14 25	7 48	0 19	22 25	2 17	7 31	1 14	16 20	0 19	15 14	1 31	23 15	0 21	12 39	0 46	23 23	0 18	10 37	7 41	6 6	6 45	28 42		n.a.
M 7	14 45	1 33	0s51	22 35	2 13	8 0	1 13	16 34	0 19	15 13	1 31	23 15	0 21	12 38	0 46	23 23	0 18	10 38	7 41	6 6	6 46	28 41		n.a.
T 8	15 5	4s39	1 57	22 43	2 8	8 30	1 11	16 48	0 20	15 12	1 31	23 15	0 21	12 37	0 46	23 23	0 18	10 39	7 41	6 7	6 47	28 41		n.a.
W 9	15 24	10 34	2 56	22 48	2 2	9 0	1 9	17 2	0 21	15 11	1 31	23 16	0 21	12 37	0 46	23 23	0 18	10 39	7 41	6 10	6 48	28 41		n.a.
T 10	15 43	16 0	3 46	22 51	1 55	9 29	1 8	17 16	0 21	15 9	1 30	23 16	0 21	12 36	0 46	23 23	0 18	10 40	7 41	6 13	6 50	28 41		n.a.
F 11	16 2	20 41	4 24	22 51	1 46	9 58	1 6	17 30	0 22	15 8	1 30	23 16	0 21	12 36	0 46	23 23	0 18	10 41	7 40	6 17	6 51	28 41		n.a.
S 12	16 20	24 27	4 50	22 48	1 37	10 27	1 4	17 44	0 23	15 7	1 30	23 16	0 21	12 35	0 46	23 23	0 18	10 41	7 40	6 21	6 52	28 40		n.a.
S 13	16 39	27 4	5 2	22 42	1 26	10 55	1 2	17 57	0 23	15 5	1 30	23 17	0 22	12 35	0 46	23 23	0 18	10 42	7 40	6 26	6 53	28 40		n.a.
M14	16 57	28 26	5 0	22 33	1 13	11 23	1 0	18 10	0 24	15 4	1 29	23 17	0 22	12 34	0 46	23 23	0 18	10 43	7 40	6 31	6 55	28 40		n.a.
T 15	17 14	28 29	4 46	22 21	0 59	11 51	0 58	18 23	0 24	15 2	1 29	23 17	0 22	12 34	0 46	23 23	0 18	10 44	7 40	6 35	6 56	28 39		n.a.
W16	17 32	27 13	4 19	22 5	0 44	12 19	0 56	18 36	0 25	15 0	1 29	23 17	0 22	12 33	0 46	23 23	0 18	10 44	7 40	6 38	6 57	28 39		n.a.
T 17	17 49	24 43	3 41	21 46	0 27	12 46	0 54	18 49	0 26	14 58	1 28	23 18	0 22	12 33	0 46	23 22	0 18	10 45	7 40	6 40	6 58	28 39		n.a.
F 18	18 5	21 8	2 53	21 23	0 9	13 13	0 52	19 1	0 26	14 57	1 28	23 18	0 22	12 32	0 46	23 22	0 18	10 46	7 40	6 41	6 59	28 39		n.a.
S 19	18 22	16 38	1 57	20 57	0n10	13 40	0 50	19 14	0 27	14 55	1 28	23 18	0 22	12 32	0 46	23 22	0 18	10 46	7 40	6 41	7 1	28 38		n.a.
S 20	18 38	11 22	0 54	20 28	0 30	14 7	0 48	19 26	0 28	14 53	1 28	23 19	0 22	12 32	0 46	23 22	0 18	10 47	7 39	6 41	7 2	28 38		n.a.
M21	18 53	5 30	0n13	19 56	0 50	14 33	0 46	19 38	0 28	14 51	1 27	23 19	0 23	12 31	0 46	23 22	0 18	10 48	7 39	6 41	7 3	28 38		n.a.
T 22	19 9	0n46	1 22	19 22	1 10	14 58	0 44	19 50	0 29	14 49	1 27	23 20	0 23	12 31	0 46	23 22	0 18	10 48	7 39	6 41	7 4	28 37		n.a.
W23	19 24	7 14	2 28	18 47	1 30	15 23	0 42	20 2	0 29	14 47	1 27	23 20	0 23	12 31	0 46	23 22	0 18	10 49	7 39	6 43	7 6	28 37		n.a.
T 24	19 38	13 35	3 28	18 11	1 49	15 48	0 39	20 13	0 30	14 44	1 27	23 20	0 23	12 30	0 46	23 22	0 18	10 49	7 39	6 45	7 7	28 37		n.a.
F 25	19 53	19 23	4 16	17 35	2 6	16 13	0 37	20 24	0 31	14 42	1 26	23 21	0 23	12 30	0 46	23 22	0 18	10 50	7 39	6 48	7 8	28 36		n.a.
S 26	20 7	24 9	4 48	17 1	2 22	16 37	0 35	20 35	0 31	14 40	1 26	23 21	0 23	12 30	0 47	23 22	0 18	10 51	7 39	6 52	7 9	28 36		n.a.
S 27	20 20	27 21	5 0	16 28	2 35	17 0	0 33	20 46	0 32	14 38	1 26	23 22	0 23	12 29	0 47	23 22	0 18	10 51	7 39	6 57	7 11	28 35		n.a.
M28	20 33	28 34	4 52	16 0	2 46	17 23	0 30	20 57	0 32	14 35	1 26	23 22	0 24	12 29	0 47	23 22	0 18	10 52	7 39	7 1	7 12	28 35		n.a.
T 29	20 46	27 38	4 23	15 35	2 55	17 46	0 28	21 7	0 33	14 33	1 25	23 23	0 24	12 29	0 47	23 22	0 18	10 53	7 39	7 5	7 13	28 35		n.a.
W30	20s58	24n46	3n37	15s14	3n 2	18s 8	0n26	21s17	0s34	14s30	1s25	23n23	0n24	12n29	0n47	23s22	0n18	10s53	7n39	7s 7	7s14	28s34		n.a.

Julian Day Number = 1550059.5, Delta T = 04h31m30s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'08, Lahiri = -10°26'07 Julian Calendar 1 Nov. 470 BCE == Greg. Calendar 27 Oct. 470 BCE

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ASTRODIENST EPHEMERIS for the year 470 BCE
geocentric

DECEMBER 470 BCE (-469) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 14 23	3♐41'55	10♌28	19°R53	23♏25	2♐18	25♒40	14°R 8	29♌38	5♑ 7	21♏ 8	12°R 0	11♓43	2♑ 3	n.a.	T 1
F 2	4 18 20	4°43'10	24°28	19♏18	24°40	3° 5	25°47	14♋ 5	29°39	5° 9	21°10	11♓59	11°40	2°10	n.a.	F 2
S 3	4 22 16	5°44'26	8♍ 3	18°53	25°56	3°51	25°54	14° 2	29°39	5°11	21°12	11°58	11°37	2°17	n.a.	S 3
S 4	4 26 13	6°45'42	21°16	18°38	27°11	4°37	26° 2	13°59	29°40	5°13	21°14	11°58	11°34	2°23	n.a.	S 4
M 5	4 30 9	7°46'57	4♎11	18°D33	28°27	5°23	26° 9	13°55	29°40	5°15	21°17	11°57	11°31	2°30	n.a.	M 5
T 6	4 34 6	8°48'13	16°50	18°37	29°42	6°10	26°17	13°52	29°40	5°17	21°19	11°53	11°28	2°37	n.a.	T 6
W 7	4 38 2	9°49'29	29°18	18°49	0♐57	6°56	26°25	13°48	29°40	5°19	21°21	11°46	11°24	2°44	n.a.	W 7
T 8	4 41 59	10°50'44	11♏35	19° 9	2°13	7°42	26°33	13°45	29°41	5°21	21°23	11°36	11°21	2°50	n.a.	T 8
F 9	4 45 56	11°52'00	23°45	19°35	3°28	8°29	26°41	13°41	29°41	5°23	21°25	11°24	11°18	2°57	n.a.	F 9
S 10	4 49 52	12°53'15	5♐49	20° 8	4°44	9°15	26°49	13°37	29°41	5°25	21°27	11° 9	11°15	3° 4	n.a.	S 10
S 11	4 53 49	13°54'29	17°47	20°47	5°59	10° 2	26°58	13°33	29°R41	5°27	21°29	10°54	11°12	3°10	n.a.	S 11
M12	4 57 45	14°55'43	29°41	21°30	7°15	10°48	27° 6	13°29	29°41	5°30	21°32	10°39	11° 8	3°17	n.a.	M12
T 13	5 1 42	15°56'57	11♑32	22°18	8°30	11°35	27°15	13°25	29°41	5°32	21°34	10°26	11° 5	3°24	n.a.	T 13
W14	5 5 38	16°58'09	23°22	23°11	9°46	12°21	27°24	13°21	29°41	5°34	21°36	10°15	11° 2	3°31	n.a.	W14
T 15	5 9 35	17°59'21	5♒13	24° 6	11° 1	13° 8	27°33	13°17	29°40	5°36	21°38	10° 7	10°59	3°37	n.a.	T 15
F 16	5 13 32	19° 0'32	17° 8	25° 6	12°16	13°55	27°42	13°13	29°40	5°38	21°40	10° 3	10°56	3°44	n.a.	F 16
S 17	5 17 28	20° 1'42	29°12	26° 8	13°32	14°41	27°51	13° 9	29°40	5°40	21°42	10° 1	10°53	3°51	n.a.	S 17
S 18	5 21 25	21° 2'51	11♓30	27°13	14°47	15°28	28° 1	13° 4	29°39	5°43	21°44	10°D 1	10°49	3°57	n.a.	S 18
M19	5 25 21	22° 3'59	24° 6	28°20	16° 2	16°15	28°10	13° 0	29°39	5°45	21°46	10°R 1	10°46	4° 4	n.a.	M19
T 20	5 29 18	23° 5'06	7♈ 5	29°29	17°18	17° 1	28°20	12°56	29°38	5°47	21°48	10° 0	10°43	4°11	n.a.	T 20
W21	5 33 14	24° 6'12	20°33	0♐41	18°33	17°48	28°29	12°51	29°38	5°49	21°50	9°57	10°40	4°18	n.a.	W21
T 22	5 37 11	25° 7'16	4♉30	1°54	19°48	18°35	28°39	12°47	29°37	5°52	21°52	9°52	10°37	4°24	n.a.	T 22
F 23	5 41 7	26° 8'20	18°58	3° 9	21° 4	19°22	28°49	12°42	29°37	5°54	21°54	9°45	10°34	4°31	n.a.	F 23
S 24	5 45 4	27° 9'22	3♊52	4°25	22°19	20° 9	28°59	12°38	29°36	5°56	21°56	9°35	10°30	4°38	n.a.	S 24
S 25	5 49 1	28°10'23	19° 5	5°43	23°34	20°55	29°10	12°33	29°35	5°58	21°58	9°24	10°27	4°44	n.a.	S 25
M26	5 52 57	29°11'23	4♋27	7° 2	24°50	21°42	29°20	12°28	29°34	6° 1	22° 0	9°13	10°24	4°51	n.a.	M26
T 27	5 56 54	0♑12'22	19°45	8°23	26° 5	22°29	29°31	12°24	29°33	6° 3	22° 1	9° 4	10°21	4°58	n.a.	T 27
W28	6 0 50	1°13'21	4♌49	9°44	27°20	23°16	29°41	12°19	29°33	6° 5	22° 3	8°57	10°18	5° 5	n.a.	W28
T 29	6 4 47	2°14'18	19°31	11° 7	28°35	24° 3	29°52	12°14	29°32	6° 7	22° 5	8°54	10°14	5°11	n.a.	T 29
F 30	6 8 43	3°15'14	3♍45	12°30	29°51	24°50	0♓ 3	12° 9	29°31	6°10	22° 7	8°D52	10°11	5°18	n.a.	F 30
S 31	6 12 40	4♑16'09	17♍31	13♐55	1♑ 6	25♐37	0♓14	12♋ 4	29♌29	6♑12	22♏ 9	8♓52	10♓ 8	5♑25	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21 s10	20n23	2n38	14 s58	3n 6	18 s30	0n23	21 s27	0 s34	14 s28	1 s25	23n23	0n24	12n29	0n47	23 s22	0n18	10 s54	7n39	7 s 9	7 s15	28 s34			n.a.
F 2	21 22	14 58	1 31	14 46	3 8	18 51	0 21	21 37	0 35	14 25	1 25	23 24	0 24	12 28	0 47	23 22	0 17	10 54	7 39	7 10	7 17	28 33			n.a.
S 3	21 33	8 59	0 21	14 39	3 9	19 12	0 18	21 46	0 35	14 22	1 24	23 24	0 24	12 28	0 47	23 22	0 17	10 55	7 39	7 10	7 18	28 33			n.a.
S 4	21 43	2 46	0 s49	14 36	3 7	19 32	0 16	21 56	0 36	14 19	1 24	23 25	0 24	12 28	0 47	23 22	0 17	10 56	7 39	7 10	7 19	28 33			n.a.
M 5	21 54	3 s26	1 54	14 37	3 5	19 51	0 14	22 5	0 36	14 17	1 24	23 25	0 25	12 28	0 47	23 21	0 17	10 56	7 39	7 10	7 20	28 32			n.a.
T 6	22 4	9 21	2 53	14 42	3 1	20 10	0 11	22 14	0 37	14 14	1 24	23 26	0 25	12 28	0 47	23 21	0 17	10 57	7 39	7 12	7 22	28 32			n.a.
W 7	22 13	14 49	3 42	14 50	2 56	20 29	0 9	22 22	0 38	14 11	1 23	23 26	0 25	12 28	0 47	23 21	0 17	10 57	7 39	7 14	7 23	28 31			n.a.
T 8	22 22	19 37	4 20	15 1	2 50	20 46	0 6	22 31	0 38	14 8	1 23	23 27	0 25	12 28	0 47	23 21	0 17	10 58	7 39	7 18	7 24	28 31			n.a.
F 9	22 30	23 33	4 45	15 14	2 43	21 4	0 4	22 39	0 39	14 5	1 23	23 27	0 25	12 28	0 47	23 21	0 17	10 58	7 39	7 23	7 25	28 30			n.a.
S 10	22 39	26 26	4 58	15 30	2 36	21 20	0 2	22 47	0 39	14 2	1 23	23 28	0 25	12 28	0 47	23 21	0 17	10 59	7 39	7 29	7 26	28 30			n.a.
S 11	22 46	28 7	4 57	15 48	2 29	21 36	0 s 1	22 54	0 40	13 59	1 22	23 28	0 25	12 28	0 47	23 21	0 17	11 0	7 39	7 35	7 28	28 29			n.a.
M12	22 53	28 28	4 43	16 7	2 21	21 52	0 3	23 2	0 40	13 55	1 22	23 29	0 25	12 28	0 47	23 21	0 17	11 0	7 39	7 40	7 29	28 29			n.a.
T 13	23 0	27 31	4 17	16 27	2 13	22 6	0 6	23 9	0 41	13 52	1 22	23 30	0 26	12 28	0 47	23 21	0 17	11 1	7 39	7 45	7 30	28 28			n.a.
W14	23 6	25 18	3 40	16 49	2 4	22 20	0 8	23 16	0 42	13 49	1 22	23 30	0 26	12 28	0 47	23 21	0 17	11 1	7 39	7 49	7 31	28 28			n.a.
T 15	23 12	22 0	2 53	17 11	1 56	22 34	0 10	23 22	0 42	13 45	1 22	23 31	0 26	12 28	0 47	23 21	0 17	11 2	7 39	7 52	7 33	28 27			n.a.
F 16	23 18	17 46	1 58	17 34	1 47	22 46	0 13	23 29	0 43	13 42	1 21	23 31	0 26	12 29	0 47	23 21	0 17	11 2	7 39	7 54	7 34	28 27			n.a.
S 17	23 22	12 47	0 57	17 57	1 38	22 58	0 15	23 35	0 43	13 39	1 21	23 32	0 26	12 29	0 47	23 21	0 17	11 3	7 39	7 55	7 35	28 26			n.a.
S 18	23 27	7 13	0n 8	18 21	1 29	23 10	0 17	23 40	0 44	13 35	1 21	23 32	0 26	12 29	0 48	23 21	0 17	11 3	7 39	7 55	7 36	28 26			n.a.
M19	23 31	1 15	1 14	18 45	1 20	23 20	0 20	23 46	0 44	13 32	1 21	23 33	0 26	12 29	0 48	23 20	0 17	11 4	7 39	7 55	7 37	28 25			n.a.
T 20	23 34	4n58	2 18	19 9	1 11	23 30	0 22	23 51	0 45	13 28	1 21	23 33	0 27	12 29	0 48	23 20	0 17	11 4	7 39	7 55	7 39	28 24			n.a.
W21	23 37	11 10	3 17	19 32	1 3	23 40	0 24	23 56	0 45	13 24	1 20	23 34	0 27	12 30	0 48	23 20	0 17	11 5	7 39	7 56	7 40	28 24			n.a.
T 22	23 40	17 3	4 6	19 56	0 54	23 48	0 27	24 1	0 46	13 21	1 20	23 35	0 27	12 30	0 48	23 20	0 17	11 5	7 39	7 58	7 41	28 23			n.a.
F 23	23 42	22 12	4 42	20 19	0 45	23 56	0 29	24 5	0 46	13 17	1 20	23 35	0 27	12 30	0 48	23 20	0 17	11 6	7 39	8 1	7 42	28 23			n.a.
S 24	23 43	26 6	5 0	20 42	0 37	24 3	0 31	24 10	0 47	13 13	1 20	23 36	0 27	12 30	0 48	23 20	0 17	11 6	7 39	8 5	7 44	28 22			n.a.
S 25	23 44	28 14	4 57	21 5	0 28	24 9	0 33	24 14	0 47	13 9	1 20	23 36	0 27	12 31	0 48	23 20	0 17	11 6	7 39	8 9	7 45	28 21			n.a.
M26	23 45	28 14	4 33	21 27	0 20	24 15	0 35	24 17	0 48	13 6	1 19	23 37	0 27	12 31	0 48	23 20	0 17	11 7	7 39	8 13	7 46	28 21			n.a.
T 27	23 45	26 4	3 49	21 48	0 12	24 19	0 38	24 20	0 48	13 2	1 19	23 37	0 27	12 31	0 48	23 20	0 17	11 7	7 39	8 16	7 47	28 20			n.a.
W28	23 45	22 4	2 50	22 9	0 4	24 23	0 40	24 24	0 49	12 58	1 19	23 38	0 27	12 32	0 48	23 20	0 17	11 8	7 39	8 19	7 48	28 20			n.a.
T 29	23 44	16 45	1 41	22 28	0 s 4	24 27	0 42	24 26	0 49	12 54	1 19	23 38	0 28	12 32	0 48	23 20	0 17	11 8	7 39	8 20	7 50	28 19			n.a.
F 30	23 43	10 41	0 27	22 47	0 12	24 29	0 44	24 29	0 50	12 50	1 19	23 39	0 28	12 33	0 48	23 19	0 17	11 8	7 39	8 21	7 51	28 18			n.a.
S 31	23 s41	4n18	0 s46	23 s 6	0 s19	24 s31	0 s46	24 s31	0 s50	12 s46	1 s18	23n40	0n28	12n33	0n48	23 s19	0n17	11 s 9	7n39	8 s21	7 s52	28 s18			n.a.

Julian Day Number = 1550089.5, Delta T = 04h31m28s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°33'04, Lahiri = -10°26'03 Julian Calendar 1 Dec. 470 BCE == Greg. Calendar 26 Nov. 470 BCE

The year -469 astronomical counting style corresponds to year 470 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

JANUARY 469 BCE (-468) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 16 37	5♉17'03	0♎50	15♐21	2♉21	26♐24	0♓25	12°R 0	29°R28	6♉14	22♏11	8°R53	10♓ 5	5♉31	n.a.	S 1
M 2	6 20 33	6°17'56	13°45	16°47	3°36	27°11	0°36	11♋55	29♌27	6°17	22°12	8♓53	10° 2	5°38	n.a.	M 2
T 3	6 24 30	7°18'48	26°21	18°15	4°51	27°58	0°47	11°50	29°26	6°19	22°14	8°51	9°59	5°45	n.a.	T 3
W 4	6 28 26	8°19'39	8♏41	19°43	6° 7	28°45	0°58	11°45	29°25	6°21	22°16	8°46	9°55	5°52	n.a.	W 4
T 5	6 32 23	9°20'29	20°51	21°12	7°22	29°32	1°10	11°40	29°23	6°23	22°17	8°39	9°52	5°58	n.a.	T 5
F 6	6 36 19	10°21'18	2♐52	22°42	8°37	0♉19	1°21	11°35	29°22	6°26	22°19	8°30	9°49	6° 5	n.a.	F 6
S 7	6 40 16	11°22'05	14°47	24°13	9°52	1° 6	1°33	11°30	29°21	6°28	22°21	8°19	9°46	6°12	n.a.	S 7
S 8	6 44 12	12°22'52	26°40	25°45	11° 7	1°53	1°44	11°25	29°19	6°30	22°22	8° 7	9°43	6°18	n.a.	S 8
M 9	6 48 9	13°23'37	8♉31	27°17	12°22	2°40	1°56	11°21	29°18	6°32	22°24	7°56	9°40	6°25	n.a.	M 9
T 10	6 52 6	14°24'20	20°22	28°51	13°38	3°27	2° 8	11°16	29°16	6°35	22°26	7°46	9°36	6°32	n.a.	T 10
W11	6 56 2	15°25'02	2♒15	0♉25	14°53	4°15	2°20	11°11	29°14	6°37	22°27	7°38	9°33	6°39	n.a.	W11
T 12	6 59 59	16°25'42	14°11	2° 0	16° 8	5° 2	2°32	11° 6	29°13	6°39	22°29	7°33	9°30	6°45	n.a.	T 12
F 13	7 3 55	17°26'20	26°12	3°36	17°23	5°49	2°44	11° 1	29°11	6°41	22°30	7°30	9°27	6°52	n.a.	F 13
S 14	7 7 52	18°26'57	8♓22	5°12	18°38	6°36	2°57	10°56	29° 9	6°44	22°32	7°D29	9°24	6°59	n.a.	S 14
S 15	7 11 48	19°27'31	20°44	6°50	19°53	7°23	3° 9	10°51	29° 8	6°46	22°33	7°30	9°20	7° 5	n.a.	S 15
M16	7 15 45	20°28'04	3♈21	8°28	21° 8	8°10	3°21	10°47	29° 6	6°48	22°34	7°31	9°17	7°12	n.a.	M16
T 17	7 19 41	21°28'34	16°17	10° 8	22°23	8°57	3°34	10°42	29° 4	6°50	22°36	7°R32	9°14	7°19	n.a.	T 17
W18	7 23 38	22°29'03	29°37	11°48	23°38	9°45	3°46	10°37	29° 2	6°53	22°37	7°32	9°11	7°25	n.a.	W18
T 19	7 27 35	23°29'30	13♉23	13°29	24°53	10°32	3°59	10°32	29° 0	6°55	22°38	7°30	9° 8	7°32	n.a.	T 19
F 20	7 31 31	24°29'55	27°37	15°11	26° 8	11°19	4°11	10°28	28°58	6°57	22°40	7°26	9° 5	7°39	n.a.	F 20
S 21	7 35 28	25°30'17	12♊16	16°54	27°23	12° 6	4°24	10°23	28°56	6°59	22°41	7°21	9° 1	7°46	n.a.	S 21
S 22	7 39 24	26°30'38	27°15	18°38	28°38	12°53	4°37	10°18	28°54	7° 1	22°42	7°15	8°58	7°52	n.a.	S 22
M23	7 43 21	27°30'57	12♋27	20°23	29°53	13°41	4°50	10°14	28°52	7° 4	22°44	7° 9	8°55	7°59	n.a.	M23
T 24	7 47 17	28°31'14	27°42	22° 9	1♒ 8	14°28	5° 3	10° 9	28°50	7° 6	22°45	7° 3	8°52	8° 6	n.a.	T 24
W25	7 51 14	29°31'28	12♌48	23°56	2°23	15°15	5°16	10° 5	28°48	7° 8	22°46	7° 0	8°49	8°12	n.a.	W25
T 26	7 55 10	0♒31'41	27°37	25°44	3°37	16° 2	5°29	10° 1	28°46	7°10	22°47	6°58	8°46	8°19	n.a.	T 26
F 27	7 59 7	1°31'52	12♍ 2	27°33	4°52	16°49	5°42	9°56	28°43	7°12	22°48	6°D57	8°42	8°26	n.a.	F 27
S 28	8 3 4	2°32'02	26° 0	29°23	6° 7	17°36	5°55	9°52	28°41	7°14	22°49	6°58	8°39	8°33	n.a.	S 28
S 29	8 7 0	3°32'09	9♎29	1♒14	7°22	18°24	6° 8	9°48	28°39	7°16	22°50	7° 0	8°36	8°39	n.a.	S 29
M30	8 10 57	4°32'15	22°33	3° 6	8°37	19°11	6°22	9°43	28°37	7°18	22°51	7° 1	8°33	8°46	n.a.	M30
T 31	8 14 53	5♒32'20	5♏13	4♒59	9♒51	19♉58	6♓35	9♋39	28♌34	7♉21	22♏52	7°R 2	8♓30	8♉53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23s39	2s 5	1s54	23s23	0s27	24s32	0s48	24s33	0s51	12s41	1s18	23n40	0n28	12n33	0n48	23s19	0n17	11s 9	7n39	8s21	7s53	28s17			n.a.
M 2	23 36	8 10	2 55	23 39	0 34	24 32	0 50	24 35	0 51	12 37	1 18	23 41	0 28	12 34	0 48	23 19	0 17	11 10	7 39	8 21	7 54	28 16			n.a.
T 3	23 33	13 47	3 45	23 54	0 41	24 31	0 52	24 36	0 52	12 33	1 18	23 41	0 28	12 34	0 48	23 19	0 17	11 10	7 39	8 22	7 56	28 16			n.a.
W 4	23 29	18 44	4 24	24 8	0 47	24 30	0 54	24 37	0 52	12 29	1 18	23 42	0 28	12 35	0 48	23 19	0 17	11 10	7 40	8 23	7 57	28 15			n.a.
T 5	23 25	22 51	4 50	24 21	0 54	24 28	0 55	24 38	0 53	12 25	1 18	23 42	0 28	12 35	0 48	23 19	0 17	11 11	7 40	8 26	7 58	28 14			n.a.
F 6	23 21	25 57	5 2	24 33	1 0	24 25	0 57	24 38	0 53	12 20	1 17	23 43	0 29	12 36	0 48	23 19	0 17	11 11	7 40	8 29	7 59	28 13			n.a.
S 7	23 16	27 52	5 2	24 44	1 6	24 22	0 59	24 38	0 53	12 16	1 17	23 43	0 29	12 36	0 48	23 19	0 17	11 11	7 40	8 34	8 1	28 13			n.a.
S 8	23 10	28 31	4 48	24 53	1 12	24 17	1 1	24 38	0 54	12 12	1 17	23 44	0 29	12 37	0 48	23 19	0 17	11 12	7 40	8 38	8 2	28 12			n.a.
M 9	23 4	27 50	4 22	25 1	1 17	24 12	1 2	24 38	0 54	12 7	1 17	23 44	0 29	12 37	0 48	23 18	0 17	11 12	7 40	8 42	8 3	28 11			n.a.
T 10	22 58	25 53	3 45	25 8	1 23	24 6	1 4	24 37	0 55	12 3	1 17	23 45	0 29	12 38	0 48	23 18	0 17	11 12	7 40	8 46	8 4	28 10			n.a.
W11	22 51	22 48	2 58	25 13	1 28	24 0	1 5	24 36	0 55	11 58	1 17	23 46	0 29	12 39	0 48	23 18	0 17	11 12	7 40	8 49	8 5	28 10			n.a.
T 12	22 44	18 44	2 2	25 17	1 32	23 52	1 7	24 35	0 56	11 54	1 16	23 46	0 29	12 39	0 48	23 18	0 17	11 13	7 40	8 51	8 7	28 9			n.a.
F 13	22 36	13 54	1 0	25 19	1 37	23 44	1 8	24 33	0 56	11 49	1 16	23 47	0 29	12 40	0 49	23 18	0 17	11 13	7 40	8 52	8 8	28 8			n.a.
S 14	22 28	8 28	0n 5	25 20	1 41	23 35	1 10	24 32	0 56	11 44	1 16	23 47	0 29	12 41	0 49	23 18	0 17	11 13	7 40	8 52	8 9	28 7			n.a.
S 15	22 19	2 38	1 11	25 19	1 45	23 26	1 11	24 29	0 57	11 40	1 16	23 48	0 29	12 41	0 49	23 18	0 17	11 14	7 41	8 52	8 10	28 7			n.a.
M16	22 10	3n24	2 15	25 17	1 48	23 16	1 12	24 27	0 57	11 35	1 16	23 48	0 30	12 42	0 49	23 18	0 17	11 14	7 41	8 52	8 11	28 6			n.a.
T 17	22 1	9 28	3 14	25 13	1 51	23 5	1 14	24 24	0 58	11 30	1 16	23 49	0 30	12 43	0 49	23 18	0 17	11 14	7 41	8 51	8 13	28 5			n.a.
W18	21 51	15 17	4 4	25 7	1 54	22 53	1 15	24 21	0 58	11 26	1 16	23 49	0 30	12 43	0 49	23 18	0 17	11 14	7 41	8 51	8 14	28 4			n.a.
T 19	21 41	20 33	4 43	24 59	1 56	22 41	1 16	24 18	0 58	11 21	1 16	23 50	0 30	12 44	0 49	23 17	0 17	11 14	7 41	8 52	8 15	28 3			n.a.
F 20	21 30	24 50	5 5	24 50	1 58	22 28	1 17	24 14	0 59	11 16	1 15	23 50	0 30	12 45	0 49	23 17	0 17	11 15	7 41	8 53	8 16	28 3			n.a.
S 21	21 19	27 39	5 8	24 39	2 0	22 14	1 18	24 11	0 59	11 11	1 15	23 50	0 30	12 45	0 49	23 17	0 17	11 15	7 41	8 55	8 17	28 2			n.a.
S 22	21 8	28 34	4 51	24 26	2 1	21 59	1 19	24 6	1 0	11 6	1 15	23 51	0 30	12 46	0 49	23 17	0 17	11 15	7 41	8 58	8 19	28 1			n.a.
M23	20 56	27 22	4 13	24 12	2 2	21 44	1 20	24 2	1 0	11 2	1 15	23 51	0 30	12 47	0 49	23 17	0 17	11 15	7 42	9 0	8 20	28 0			n.a.
T 24	20 44	24 7	3 17	23 55	2 2	21 29	1 21	23 57	1 0	10 57	1 15	23 52	0 30	12 48	0 49	23 17	0 17	11 15	7 42	9 2	8 21	27 59			n.a.
W25	20 31	19 14	2 8	23 37	2 2	21 13	1 21	23 52	1 1	10 52	1 15	23 52	0 30	12 48	0 49	23 17	0 17	11 16	7 42	9 3	8 22	27 58			n.a.
T 26	20 18	13 15	0 51	23 16	2 2	20 56	1 22	23 47	1 1	10 47	1 15	23 53	0 30	12 49	0 49	23 17	0 17	11 16	7 42	9 4	8 23	27 58			n.a.
F 27	20 5	6 43	0s28	22 54	2 1	20 38	1 23	23 42	1 1	10 42	1 15	23 53	0 31	12 50	0 49	23 17	0 17	11 16	7 42	9 4	8 25	27 57			n.a.
S 28	19 51	0 3	1 42	22 29	1 59	20 20	1 23	23 36	1 2	10 37	1 14	23 53	0 31	12 51	0 49	23 16	0 17	11 16	7 42	9 4	8 26	27 56			n.a.
S 29	19 37	6s23	2 48	22 3	1 57	20 1	1 24	23 30	1 2	10 32	1 14	23 54	0 31	12 52	0 49	23 16	0 17	11 16	7 42	9 3	8 27	27 55			n.a.
M30	19 23	12 20	3 43	21 35	1 55	19 42	1 24	23 23	1 2	10 27	1 14	23 54	0 31	12 52	0 49	23 16	0 17	11 16	7 42	9 3	8 28	27 54			n.a.
T 31	19s 8	17s36	4s26	21s 4	1s52	19s22	1s25	23s17	1s 3	10s21	1s14	23n55	0n31	12n53	0n49	23s16	0n17	11s16	7n43	9s 3	8s30	27s53			n.a.

Julian Day Number = 1550120.5, Delta T = 04h31m27s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'59, Lahiri = -10°25'59 Julian Calendar 1 Jan. 469 BCE == Greg. Calendar 27 Dec. 470 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

FEBRUARY 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 18 50	6♒32'22	17♏36	6♒53	11♒ 6	20♉45	6♓48	9°R35	28°R32	7♉23	22♏53	7°R 1	8♓26	8♉59	n.a.	W 1
T 2	8 22 46	7°32'23	29°44	8°47	12°21	21°32	7° 2	9♋31	28♌30	7°25	22°54	6♓59	8°23	9° 6	n.a.	T 2
F 3	8 26 43	8°32'22	11♐42	10°43	13°36	22°19	7°15	9°27	28°27	7°27	22°55	6°56	8°20	9°13	n.a.	F 3
S 4	8 30 39	9°32'20	23°35	12°39	14°51	23° 6	7°29	9°23	28°25	7°29	22°56	6°52	8°17	9°19	n.a.	S 4
S 5	8 34 36	10°32'15	5♉25	14°36	16° 5	23°54	7°42	9°19	28°23	7°31	22°57	6°47	8°14	9°26	n.a.	S 5
M 6	8 38 33	11°32'09	17°15	16°33	17°20	24°41	7°56	9°16	28°20	7°33	22°57	6°42	8°11	9°33	n.a.	M 6
T 7	8 42 29	12°32'01	29° 9	18°31	18°35	25°28	8°10	9°12	28°18	7°35	22°58	6°38	8° 7	9°40	n.a.	T 7
W 8	8 46 26	13°31'50	11♒ 7	20°29	19°49	26°15	8°23	9° 8	28°15	7°37	22°59	6°35	8° 4	9°46	n.a.	W 8
T 9	8 50 22	14°31'38	23°12	22°27	21° 4	27° 2	8°37	9° 5	28°13	7°38	23° 0	6°33	8° 1	9°53	n.a.	T 9
F 10	8 54 19	15°31'23	5♓26	24°25	22°19	27°49	8°51	9° 1	28°10	7°40	23° 0	6°D33	7°58	10° 0	n.a.	F 10
S 11	8 58 15	16°31'06	17°49	26°22	23°33	28°36	9° 5	8°58	28° 8	7°42	23° 1	6°33	7°55	10° 6	n.a.	S 11
S 12	9 2 12	17°30'47	0♈24	28°18	24°48	29°23	9°19	8°55	28° 5	7°44	23° 2	6°34	7°52	10°13	n.a.	S 12
M13	9 6 8	18°30'25	13°13	0♓13	26° 2	0♒10	9°33	8°51	28° 3	7°46	23° 2	6°36	7°48	10°20	n.a.	M13
T 14	9 10 5	19°30'01	26°17	2° 7	27°17	0°57	9°47	8°48	28° 0	7°48	23° 3	6°37	7°45	10°26	n.a.	T 14
W15	9 14 2	20°29'35	9♉39	3°58	28°31	1°44	10° 1	8°45	27°57	7°50	23° 3	6°38	7°42	10°33	n.a.	W15
T 16	9 17 58	21°29'07	23°21	5°47	29°46	2°31	10°15	8°42	27°55	7°51	23° 4	6°R38	7°39	10°40	n.a.	T 16
F 17	9 21 55	22°28'36	7♊23	7°33	1♓ 0	3°18	10°29	8°40	27°52	7°53	23° 4	6°38	7°36	10°47	n.a.	F 17
S 18	9 25 51	23°28'02	21°44	9°16	2°15	4° 5	10°43	8°37	27°50	7°55	23° 4	6°37	7°32	10°53	n.a.	S 18
S 19	9 29 48	24°27'26	6♋21	10°55	3°29	4°52	10°57	8°34	27°47	7°57	23° 5	6°35	7°29	11° 0	n.a.	S 19
M20	9 33 44	25°26'48	21°10	12°30	4°44	5°39	11°11	8°32	27°44	7°58	23° 5	6°34	7°26	11° 7	n.a.	M20
T 21	9 37 41	26°26'08	6♌ 3	14° 0	5°58	6°26	11°25	8°29	27°42	8° 0	23° 5	6°33	7°23	11°13	n.a.	T 21
W22	9 41 37	27°25'25	20°53	15°25	7°12	7°13	11°39	8°27	27°39	8° 2	23° 6	6°32	7°20	11°20	n.a.	W22
T 23	9 45 34	28°24'39	5♍32	16°44	8°27	8° 0	11°53	8°24	27°37	8° 3	23° 6	6°D32	7°17	11°27	n.a.	T 23
F 24	9 49 31	29°23'52	19°54	17°58	9°41	8°46	12° 8	8°22	27°34	8° 5	23° 6	6°32	7°13	11°34	n.a.	F 24
S 25	9 53 27	0♓23'03	3♎54	19° 6	10°55	9°33	12°22	8°20	27°31	8° 6	23° 6	6°32	7°10	11°40	n.a.	S 25
S 26	9 57 24	1°22'11	17°29	20° 7	12°10	10°20	12°36	8°18	27°29	8° 8	23° 7	6°33	7° 7	11°47	n.a.	S 26
M27	10 1 20	2°21'18	0♏39	21° 2	13°24	11° 7	12°50	8°16	27°26	8° 9	23° 7	6°33	7° 4	11°54	n.a.	M27
T 28	10 5 17	3°20'23	13°26	21°50	14°38	11°53	13° 5	8°14	27°24	8°11	23° 7	6°34	7° 1	12° 0	n.a.	T 28
W29	10 9 13	4♓19'26	25♏53	22♓31	15♓52	12♒40	13♓19	8♋13	27♌21	8♉12	23♏ 7	6♓34	6♓58	12♉ 7	n.a.	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s53	22s 1	4s55	20s32	1s48	19s 2	1s25	23s10	1s 3	10s16	1s14	23n55	0n31	12n54	0n49	23s16	0n17	11s16	7n43	9s 3	8s31	27s52		n.a.
T 2	18 38	25 24	5 10	19 58	1 44	18 41	1 25	23 3	1 3	10 11	1 14	23 55	0 31	12 55	0 49	23 16	0 17	11 16	7 43	9 4	8 32	27 51		n.a.
F 3	18 22	27 38	5 12	19 22	1 39	18 20	1 26	22 55	1 3	10 6	1 14	23 56	0 31	12 56	0 49	23 16	0 17	11 17	7 43	9 5	8 33	27 50		n.a.
S 4	18 6	28 35	5 0	18 43	1 33	17 58	1 26	22 48	1 4	10 1	1 14	23 56	0 31	12 57	0 49	23 16	0 17	11 17	7 43	9 6	8 34	27 49		n.a.
S 5	17 50	28 13	4 35	18 3	1 27	17 35	1 26	22 40	1 4	9 56	1 14	23 56	0 31	12 58	0 49	23 16	0 17	11 17	7 43	9 8	8 36	27 48		n.a.
M 6	17 33	26 34	3 58	17 22	1 21	17 12	1 26	22 31	1 4	9 50	1 14	23 57	0 31	12 58	0 49	23 15	0 17	11 17	7 43	9 10	8 37	27 47		n.a.
T 7	17 16	23 43	3 11	16 38	1 13	16 49	1 26	22 23	1 5	9 45	1 13	23 57	0 31	12 59	0 49	23 15	0 17	11 17	7 44	9 11	8 38	27 46		n.a.
W 8	16 59	19 50	2 15	15 53	1 5	16 25	1 26	22 14	1 5	9 40	1 13	23 57	0 31	13 0	0 49	23 15	0 17	11 17	7 44	9 13	8 39	27 45		n.a.
T 9	16 41	15 6	1 13	15 6	0 57	16 1	1 26	22 5	1 5	9 34	1 13	23 58	0 32	13 1	0 49	23 15	0 17	11 17	7 44	9 13	8 40	27 44		n.a.
F 10	16 24	9 44	0 6	14 18	0 48	15 36	1 26	21 56	1 5	9 29	1 13	23 58	0 32	13 2	0 49	23 15	0 17	11 17	7 44	9 14	8 42	27 43		n.a.
S 11	16 6	3 56	1n 2	13 29	0 38	15 11	1 25	21 47	1 6	9 24	1 13	23 58	0 32	13 3	0 49	23 15	0 17	11 17	7 44	9 13	8 43	27 42		n.a.
S 12	15 47	2n 7	2 8	12 39	0 28	14 46	1 25	21 37	1 6	9 18	1 13	23 59	0 32	13 4	0 49	23 15	0 17	11 17	7 44	9 13	8 44	27 41		n.a.
M13	15 29	8 10	3 9	11 48	0 17	14 20	1 24	21 27	1 6	9 13	1 13	23 59	0 32	13 5	0 49	23 15	0 17	11 17	7 45	9 12	8 45	27 40		n.a.
T 14	15 10	14 1	4 1	10 57	0 5	13 53	1 24	21 17	1 6	9 8	1 13	23 59	0 32	13 6	0 49	23 15	0 17	11 17	7 45	9 12	8 46	27 39		n.a.
W15	14 51	19 20	4 42	10 5	0n 6	13 27	1 23	21 7	1 6	9 2	1 13	24 0	0 32	13 7	0 49	23 15	0 17	11 17	7 45	9 12	8 48	27 38		n.a.
T 16	14 32	23 49	5 8	9 13	0 19	13 0	1 23	20 56	1 7	8 57	1 13	24 0	0 32	13 7	0 49	23 14	0 17	11 17	7 45	9 12	8 49	27 37		n.a.
F 17	14 12	27 1	5 16	8 22	0 31	12 32	1 22	20 45	1 7	8 51	1 13	24 0	0 32	13 8	0 49	23 14	0 17	11 17	7 45	9 12	8 50	27 36		n.a.
S 18	13 52	28 34	5 5	7 31	0 44	12 5	1 21	20 34	1 7	8 46	1 13	24 0	0 32	13 9	0 49	23 14	0 17	11 17	7 45	9 12	8 51	27 35		n.a.
S 19	13 33	28 10	4 35	6 42	0 57	11 37	1 21	20 23	1 7	8 40	1 13	24 1	0 32	13 10	0 49	23 14	0 17	11 17	7 45	9 13	8 52	27 34		n.a.
M20	13 12	25 47	3 46	5 53	1 10	11 8	1 20	20 12	1 7	8 35	1 13	24 1	0 32	13 11	0 49	23 14	0 17	11 17	7 46	9 13	8 54	27 33		n.a.
T 21	12 52	21 36	2 41	5 6	1 23	10 40	1 19	20 0	1 8	8 29	1 13	24 1	0 32	13 12	0 49	23 14	0 17	11 16	7 46	9 14	8 55	27 32		n.a.
W22	12 32	16 4	1 26	4 21	1 36	10 11	1 18	19 48	1 8	8 24	1 12	24 1	0 32	13 13	0 49	23 14	0 17	11 16	7 46	9 14	8 56	27 31		n.a.
T 23	12 11	9 41	0 5	3 38	1 49	9 42	1 17	19 36	1 8	8 18	1 12	24 1	0 32	13 14	0 49	23 14	0 17	11 16	7 46	9 14	8 57	27 30		n.a.
F 24	11 50	2 56	1s13	2 58	2 1	9 12	1 16	19 24	1 8	8 13	1 12	24 2	0 32	13 15	0 49	23 14	0 17	11 16	7 46	9 14	8 58	27 29		n.a.
S 25	11 29	3s48	2 26	2 20	2 13	8 43	1 15	19 11	1 8	8 7	1 12	24 2	0 33	13 16	0 49	23 14	0 17	11 16	7 46	9 14	8 59	27 28		n.a.
S 26	11 8	10 9	3 28	1 45	2 24	8 13	1 13	18 59	1 8	8 2	1 12	24 2	0 33	13 17	0 49	23 14	0 17	11 16	7 47	9 14	9 1	27 27		n.a.
M27	10 46	15 51	4 17	1 14	2 35	7 43	1 12	18 46	1 8	7 56	1 12	24 2	0 33	13 17	0 49	23 13	0 17	11 16	7 47	9 13	9 2	27 25		n.a.
T 28	10 25	20 42	4 52	0 45	2 45	7 13	1 11	18 33	1 8	7 51	1 12	24 2	0 33	13 18	0 49	23 13	0 17	11 16	7 47	9 13	9 3	27 24		n.a.
W29	10s 3	24s31	5s12	0s20	2n54	6s43	1s10	18s19	1s 9	7s45	1s12	24n 2	0n33	13n19	0n49	23s13	0n17	11s16	7n47	9s13	9s 4	27s23		n.a.

Julian Day Number = 1550151.5, Delta T = 04h31m26s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'55, Lahiri = -10°25'55 Julian Calendar 1 Feb. 469 BCE == Greg. Calendar 27 Jan. 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

MARCH 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 13 10	5♓18'27	8♐ 5	23♓ 6	17♓ 6	13♒27	13♓33	8°R11	27°R19	8♑14	23°R 7	6°R34	6♓54	12♑14	n.a.	T 1
F 2	10 17 6	6°17'26	20° 4	23°33	18°21	14°13	13°48	8♋10	27♌16	8°15	23♏ 7	6°D34	6°51	12°20	n.a.	F 2
S 3	10 21 3	7°16'23	1♑57	23°53	19°35	15° 0	14° 2	8° 8	27°13	8°17	23° 7	6♓34	6°48	12°27	n.a.	S 3
S 4	10 24 59	8°15'19	13°47	24° 6	20°49	15°47	14°16	8° 7	27°11	8°18	23° 7	6°34	6°45	12°34	n.a.	S 4
M 5	10 28 56	9°14'12	25°39	24°R12	22° 3	16°33	14°31	8° 6	27° 8	8°19	23° 6	6°34	6°42	12°40	n.a.	M 5
T 6	10 32 53	10°13'04	7♒36	24°11	23°17	17°20	14°45	8° 5	27° 6	8°21	23° 6	6°35	6°38	12°47	n.a.	T 6
W 7	10 36 49	11°11'54	19°42	24° 4	24°31	18° 6	14°59	8° 4	27° 3	8°22	23° 6	6°35	6°35	12°54	n.a.	W 7
T 8	10 40 46	12°10'41	1♓58	23°51	25°45	18°53	15°14	8° 3	27° 1	8°23	23° 6	6°R35	6°32	13° 1	n.a.	T 8
F 9	10 44 42	13° 9'27	14°26	23°31	26°59	19°39	15°28	8° 2	26°58	8°24	23° 6	6°35	6°29	13° 7	n.a.	F 9
S 10	10 48 39	14° 8'10	27° 8	23° 7	28°13	20°25	15°42	8° 2	26°56	8°26	23° 5	6°35	6°26	13°14	n.a.	S 10
S 11	10 52 35	15° 6'51	10♈ 3	22°37	29°27	21°12	15°57	8° 1	26°53	8°27	23° 5	6°34	6°23	13°21	n.a.	S 11
M12	10 56 32	16° 5'30	23°13	22° 4	0♈41	21°58	16°11	8° 1	26°51	8°28	23° 5	6°33	6°19	13°27	n.a.	M12
T 13	11 0 28	17° 4'07	6♉36	21°26	1°55	22°45	16°25	8° 1	26°49	8°29	23° 4	6°31	6°16	13°34	n.a.	T 13
W14	11 4 25	18° 2'42	20°13	20°46	3° 9	23°31	16°40	8° 0	26°46	8°30	23° 4	6°30	6°13	13°41	n.a.	W14
T 15	11 8 21	19° 1'14	4♊ 2	20° 5	4°22	24°17	16°54	8°D 0	26°44	8°31	23° 4	6°29	6°10	13°47	n.a.	T 15
F 16	11 12 18	19°59'45	18° 3	19°22	5°36	25° 3	17° 9	8° 0	26°42	8°32	23° 3	6°D29	6° 7	13°54	n.a.	F 16
S 17	11 16 15	20°58'13	2♋13	18°38	6°50	25°49	17°23	8° 0	26°39	8°33	23° 3	6°29	6° 3	14° 1	n.a.	S 17
S 18	11 20 11	21°56'38	16°32	17°55	8° 4	26°35	17°37	8° 1	26°37	8°34	23° 2	6°30	6° 0	14° 8	n.a.	S 18
M19	11 24 8	22°55'02	0♌56	17°14	9°17	27°22	17°52	8° 1	26°35	8°35	23° 2	6°31	5°57	14°14	n.a.	M19
T 20	11 28 4	23°53'23	15°22	16°34	10°31	28° 8	18° 6	8° 1	26°33	8°36	23° 1	6°32	5°54	14°21	n.a.	T 20
W21	11 32 1	24°51'41	29°45	15°57	11°45	28°54	18°20	8° 2	26°30	8°37	23° 0	6°R33	5°51	14°28	n.a.	W21
T 22	11 35 57	25°49'58	14♍ 1	15°22	12°58	29°39	18°35	8° 3	26°28	8°38	23° 0	6°33	5°48	14°34	n.a.	T 22
F 23	11 39 54	26°48'13	28° 6	14°52	14°12	0♓25	18°49	8° 3	26°26	8°39	22°59	6°32	5°44	14°41	n.a.	F 23
S 24	11 43 50	27°46'26	11♎54	14°26	15°26	1°11	19° 3	8° 4	26°24	8°39	22°58	6°30	5°41	14°48	n.a.	S 24
S 25	11 47 47	28°44'37	25°23	14° 3	16°39	1°57	19°17	8° 5	26°22	8°40	22°58	6°27	5°38	14°54	n.a.	S 25
M26	11 51 44	29°42'46	8♏32	13°46	17°53	2°43	19°32	8° 6	26°20	8°41	22°57	6°23	5°35	15° 1	n.a.	M26
T 27	11 55 40	0♈40'54	21°20	13°33	19° 6	3°29	19°46	8° 8	26°18	8°41	22°56	6°20	5°32	15° 8	n.a.	T 27
W28	11 59 37	1°39'00	3♐49	13°25	20°20	4°14	20° 0	8° 9	26°16	8°42	22°55	6°17	5°29	15°14	n.a.	W28
T 29	12 3 33	2°37'05	16° 3	13°D22	21°33	5° 0	20°14	8°10	26°14	8°43	22°54	6°14	5°25	15°21	n.a.	T 29
F 30	12 7 30	3°35'08	28° 4	13°24	22°46	5°46	20°28	8°12	26°12	8°43	22°54	6°13	5°22	15°28	n.a.	F 30
S 31	12 11 26	4♈33'10	9♑58	13♓30	24♈ 0	6♓31	20♓42	8♋13	26♌10	8♑44	22♏53	6°D13	5♓19	15♑35	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	9s41	27s 9	5s17	0n 1	3n 3	6s12	1s 8	18s 6	1s 9	7s39	1s12	24n 3	0n33	13n20	0n49	23s13	0n17	11s15	7n47	9s13	9s 5	27s22			n.a.
F 2	9 19	28 30	5 8	0 18	3 10	5 41	1 7	17 52	1 9	7 34	1 12	24 3	0 33	13 21	0 49	23 13	0 17	11 15	7 47	9 13	9 7	27 21			n.a.
S 3	8 57	28 31	4 47	0 32	3 16	5 10	1 5	17 39	1 9	7 28	1 12	24 3	0 33	13 22	0 49	23 13	0 17	11 15	7 48	9 13	9 8	27 20			n.a.
S 4	8 35	27 13	4 13	0 42	3 21	4 39	1 3	17 25	1 9	7 23	1 12	24 3	0 33	13 23	0 49	23 13	0 17	11 15	7 48	9 13	9 9	27 19			n.a.
M 5	8 13	24 42	3 28	0 48	3 25	4 8	1 2	17 11	1 9	7 17	1 12	24 3	0 33	13 24	0 49	23 13	0 17	11 15	7 48	9 13	9 10	27 17			n.a.
T 6	7 50	21 5	2 34	0 50	3 27	3 37	1 0	16 56	1 9	7 11	1 12	24 3	0 33	13 25	0 49	23 13	0 17	11 15	7 48	9 13	9 11	27 16			n.a.
W 7	7 28	16 34	1 32	0 47	3 28	3 6	0 58	16 42	1 9	7 6	1 12	24 3	0 33	13 25	0 49	23 13	0 17	11 14	7 48	9 13	9 13	27 15			n.a.
T 8	7 5	11 19	0 26	0 41	3 27	2 34	0 57	16 27	1 9	7 0	1 12	24 3	0 33	13 26	0 49	23 13	0 17	11 14	7 48	9 13	9 14	27 14			n.a.
F 9	6 42	5 32	0n43	0 32	3 25	2 3	0 55	16 13	1 9	6 54	1 12	24 3	0 33	13 27	0 49	23 13	0 17	11 14	7 48	9 13	9 15	27 13			n.a.
S 10	6 19	0n33	1 51	0 18	3 21	1 31	0 53	15 58	1 9	6 49	1 12	24 4	0 33	13 28	0 49	23 12	0 17	11 14	7 49	9 13	9 16	27 11			n.a.
S 11	5 56	6 42	2 55	0 2	3 16	1 0	0 51	15 43	1 9	6 43	1 12	24 4	0 33	13 29	0 49	23 12	0 17	11 14	7 49	9 13	9 17	27 10			n.a.
M12	5 33	12 42	3 50	0s18	3 9	0 28	0 49	15 28	1 9	6 37	1 12	24 4	0 33	13 30	0 49	23 12	0 17	11 13	7 49	9 14	9 19	27 9			n.a.
T 13	5 10	18 12	4 34	0 40	3 1	0n 3	0 47	15 12	1 9	6 32	1 12	24 4	0 33	13 30	0 49	23 12	0 17	11 13	7 49	9 14	9 20	27 8			n.a.
W14	4 47	22 54	5 4	1 5	2 51	0 35	0 45	14 57	1 9	6 26	1 12	24 4	0 33	13 31	0 49	23 12	0 17	11 13	7 49	9 14	9 21	27 6			n.a.
T 15	4 24	26 24	5 16	1 32	2 40	1 7	0 43	14 41	1 9	6 20	1 12	24 4	0 33	13 32	0 49	23 12	0 17	11 13	7 49	9 15	9 22	27 5			n.a.
F 16	4 1	28 21	5 10	2 1	2 27	1 38	0 41	14 26	1 9	6 15	1 12	24 4	0 33	13 33	0 49	23 12	0 17	11 12	7 49	9 15	9 23	27 4			n.a.
S 17	3 37	28 29	4 45	2 30	2 14	2 10	0 38	14 10	1 9	6 9	1 12	24 4	0 33	13 34	0 49	23 12	0 17	11 12	7 50	9 15	9 24	27 3			n.a.
S 18	3 14	26 43	4 2	3 0	1 59	2 41	0 36	13 54	1 9	6 3	1 12	24 4	0 34	13 34	0 49	23 12	0 17	11 12	7 50	9 15	9 26	27 1			n.a.
M19	2 51	23 12	3 4	3 31	1 44	3 13	0 34	13 38	1 9	5 58	1 12	24 4	0 34	13 35	0 49	23 12	0 17	11 12	7 50	9 14	9 27	27 0			n.a.
T 20	2 27	18 15	1 54	4 1	1 28	3 44	0 32	13 22	1 9	5 52	1 12	24 4	0 34	13 36	0 49	23 12	0 17	11 11	7 50	9 14	9 28	26 59			n.a.
W21	2 4	12 17	0 37	4 30	1 12	4 15	0 29	13 5	1 9	5 46	1 12	24 4	0 34	13 37	0 49	23 12	0 17	11 11	7 50	9 13	9 29	26 57			n.a.
T 22	1 41	5 44	0s41	4 59	0 56	4 47	0 27	12 49	1 9	5 41	1 12	24 4	0 34	13 37	0 49	23 12	0 16	11 11	7 50	9 14	9 30	26 56			n.a.
F 23	1 17	1s 0	1 56	5 26	0 39	5 18	0 25	12 33	1 9	5 35	1 12	24 4	0 34	13 38	0 49	23 12	0 16	11 11	7 50	9 14	9 32	26 55			n.a.
S 24	0 54	7 33	3 3	5 51	0 23	5 49	0 22	12 16	1 9	5 29	1 12	24 4	0 34	13 39	0 49	23 12	0 16	11 10	7 50	9 15	9 33	26 54			n.a.
S 25	0 30	13 37	3 57	6 15	0 7	6 20	0 20	11 59	1 9	5 24	1 12	24 4	0 34	13 39	0 49	23 12	0 16	11 10	7 50	9 16	9 34	26 52			n.a.
M26	0 7	18 54	4 38	6 36	0s 9	6 50	0 17	11 43	1 9	5 18	1 12	24 4	0 34	13 40	0 49	23 12	0 16	11 10	7 51	9 17	9 35	26 51			n.a.
T 27	0n16	23 12	5 3	6 55	0 24	7 21	0 15	11 26	1 9	5 13	1 12	24 4	0 34	13 41	0 49	23 11	0 16	11 9	7 51	9 18	9 36	26 50			n.a.
W28	0 40	26 19	5 14	7 12	0 39	7 51	0 12	11 9	1 9	5 7	1 12	24 4	0 34	13 41	0 49	23 11	0 16	11 9	7 51	9 20	9 38	26 48			n.a.
T 29	1 3	28 8	5 9	7 27	0 54	8 22	0 10	10 52	1 9	5 1	1 12	24 4	0 34	13 42	0 49	23 11	0 16	11 9	7 51	9 20	9 39	26 47			n.a.
F 30	1 27	28 36	4 51	7 39	1 7	8 52	0 7	10 35	1 8	4 56	1 12	24 4	0 34	13 43	0 49	23 11	0 16	11 8	7 51	9 21	9 40	26 45			n.a.
S 31	1n50	27s43	4s21	7s48	1s20	9n21	0s 5	10s17	1s 8	4s50	1s12	24n 4	0n34	13n43	0n49	23s11	0n16	11s 8	7n51	9s21	9s41	26s44			n.a.

Julian Day Number = 1550180.5, Delta T = 04h31m25s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'51, Lahiri = -10°25'51 Julian Calendar 1 March 469 BCE == Greg. Calendar 25 Feb. 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

APRIL 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 15 23	5♈31'10	21♉49	13♓42	25♈13	7♓17	20♓57	8♋15	26°R 8	8♉44	22°R52	6♓14	5♓16	15♉41	n.a.	S 1
M 2	12 19 19	6°29'08	3♒42	13°57	26°26	8° 2	21°11	8°17	26♌ 6	8°45	22♏51	6°16	5°13	15°48	n.a.	M 2
T 3	12 23 16	7°27'05	15°42	14°18	27°40	8°48	21°25	8°19	26° 5	8°45	22°50	6°18	5° 9	15°55	n.a.	T 3
W 4	12 27 13	8°25'01	27°52	14°43	28°53	9°33	21°39	8°21	26° 3	8°46	22°49	6°19	5° 6	16° 1	n.a.	W 4
T 5	12 31 9	9°22'55	10♓18	15°12	0♉ 6	10°18	21°53	8°23	26° 1	8°46	22°48	6°R19	5° 3	16° 8	n.a.	T 5
F 6	12 35 6	10°20'48	23° 0	15°45	1°19	11° 4	22° 7	8°25	26° 0	8°46	22°47	6°18	5° 0	16°15	n.a.	F 6
S 7	12 39 2	11°18'39	6♈ 0	16°22	2°33	11°49	22°21	8°28	25°58	8°47	22°46	6°15	4°57	16°21	n.a.	S 7
S 8	12 42 59	12°16'29	19°19	17° 4	3°46	12°34	22°35	8°30	25°57	8°47	22°45	6°11	4°54	16°28	n.a.	S 8
M 9	12 46 55	13°14'17	2♉54	17°48	4°59	13°19	22°49	8°33	25°55	8°47	22°44	6° 5	4°50	16°35	n.a.	M 9
T 10	12 50 52	14°12'03	16°44	18°36	6°12	14° 5	23° 2	8°35	25°54	8°48	22°43	5°59	4°47	16°41	n.a.	T 10
W11	12 54 48	15° 9'48	0♊44	19°28	7°25	14°50	23°16	8°38	25°52	8°48	22°41	5°53	4°44	16°48	n.a.	W11
T 12	12 58 45	16° 7'31	14°51	20°23	8°38	15°35	23°30	8°41	25°51	8°48	22°40	5°49	4°41	16°55	n.a.	T 12
F 13	13 2 42	17° 5'12	29° 2	21°21	9°51	16°20	23°44	8°44	25°49	8°48	22°39	5°46	4°38	17° 1	n.a.	F 13
S 14	13 6 38	18° 2'52	13♋14	22°22	11° 4	17° 4	23°57	8°47	25°48	8°48	22°38	5°D44	4°35	17° 8	n.a.	S 14
S 15	13 10 35	19° 0'30	27°25	23°27	12°17	17°49	24°11	8°50	25°47	8°48	22°37	5°44	4°31	17°15	n.a.	S 15
M16	13 14 31	19°58'06	11♌32	24°34	13°30	18°34	24°25	8°53	25°46	8°R48	22°35	5°45	4°28	17°22	n.a.	M16
T 17	13 18 28	20°55'41	25°35	25°44	14°43	19°19	24°38	8°56	25°45	8°48	22°34	5°47	4°25	17°28	n.a.	T 17
W18	13 22 24	21°53'14	9♍32	26°56	15°55	20° 3	24°52	9° 0	25°44	8°48	22°33	5°R47	4°22	17°35	n.a.	W18
T 19	13 26 21	22°50'45	23°22	28°12	17° 8	20°48	25° 5	9° 3	25°42	8°48	22°32	5°46	4°19	17°42	n.a.	T 19
F 20	13 30 17	23°48'15	7♎ 1	29°30	18°21	21°33	25°19	9° 7	25°41	8°48	22°30	5°42	4°15	17°48	n.a.	F 20
S 21	13 34 14	24°45'44	20°28	0♈51	19°34	22°17	25°32	9°10	25°41	8°48	22°29	5°36	4°12	17°55	n.a.	S 21
S 22	13 38 10	25°43'11	3♏42	2°14	20°46	23° 2	25°45	9°14	25°40	8°48	22°28	5°29	4° 9	18° 2	n.a.	S 22
M23	13 42 7	26°40'37	16°39	3°39	21°59	23°46	25°59	9°18	25°39	8°48	22°26	5°20	4° 6	18° 8	n.a.	M23
T 24	13 46 4	27°38'03	29°21	5° 8	23°11	24°30	26°12	9°22	25°38	8°47	22°25	5°11	4° 3	18°15	n.a.	T 24
W25	13 50 0	28°35'27	11♐46	6°38	24°24	25°15	26°25	9°26	25°37	8°47	22°23	5° 3	4° 0	18°22	n.a.	W25
T 26	13 53 57	29°32'50	23°58	8°11	25°37	25°59	26°38	9°30	25°37	8°47	22°22	4°56	3°56	18°28	n.a.	T 26
F 27	13 57 53	0♉30'13	5♑59	9°47	26°49	26°43	26°51	9°34	25°36	8°46	22°21	4°50	3°53	18°35	n.a.	F 27
S 28	14 1 50	1°27'35	17°52	11°25	28° 2	27°27	27° 4	9°38	25°35	8°46	22°19	4°47	3°50	18°42	n.a.	S 28
S 29	14 5 46	2°24'56	29°42	13° 6	29°14	28°11	27°17	9°43	25°35	8°46	22°18	4°D46	3°47	18°48	n.a.	S 29
M30	14 9 43	3♉22'16	11♒35	14♈48	0♊26	28♓55	27♓30	9♋47	25♌34	8♑45	22♏16	4♓47	3♓44	18♑55	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n13	25s35	3s40	7s55	1s32	9n51	0s 2	10s 0	1s 8	4s44	1s12	24n 4	0n34	13n44	0n49	23s11	0n16	11s 8	7n51	9s20	9s42	26s43		n.a.
M 2	2 36	22 19	2 49	7 59	1 44	10 21	0n 1	9 43	1 8	4 39	1 12	24 3	0 34	13 45	0 49	23 11	0 16	11 8	7 51	9 20	9 43	26 41		n.a.
T 3	3 0	18 6	1 51	8 1	1 54	10 50	0 3	9 26	1 8	4 33	1 12	24 3	0 34	13 45	0 49	23 11	0 16	11 7	7 51	9 19	9 45	26 40		n.a.
W 4	3 23	13 5	0 46	8 0	2 4	11 19	0 6	9 8	1 8	4 28	1 12	24 3	0 34	13 46	0 49	23 11	0 16	11 7	7 51	9 19	9 46	26 39		n.a.
T 5	3 46	7 28	0n22	7 57	2 13	11 47	0 9	8 51	1 8	4 22	1 13	24 3	0 34	13 46	0 49	23 11	0 16	11 7	7 52	9 19	9 47	26 37		n.a.
F 6	4 9	1 27	1 30	7 51	2 21	12 16	0 11	8 33	1 7	4 17	1 13	24 3	0 34	13 47	0 49	23 11	0 16	11 6	7 52	9 19	9 48	26 36		n.a.
S 7	4 32	4n47	2 35	7 43	2 29	12 44	0 14	8 15	1 7	4 11	1 13	24 3	0 34	13 47	0 49	23 11	0 16	11 6	7 52	9 20	9 49	26 34		n.a.
S 8	4 55	10 56	3 33	7 33	2 35	13 12	0 16	7 58	1 7	4 6	1 13	24 3	0 34	13 48	0 48	23 11	0 16	11 6	7 52	9 22	9 50	26 33		n.a.
M 9	5 18	16 42	4 20	7 21	2 41	13 39	0 19	7 40	1 7	4 0	1 13	24 3	0 34	13 48	0 48	23 11	0 16	11 5	7 52	9 24	9 52	26 31		n.a.
T 10	5 40	21 43	4 53	7 6	2 46	14 6	0 22	7 22	1 7	3 55	1 13	24 3	0 34	13 49	0 48	23 11	0 16	11 5	7 52	9 26	9 53	26 30		n.a.
W11	6 3	25 36	5 9	6 50	2 50	14 33	0 24	7 4	1 7	3 49	1 13	24 2	0 34	13 49	0 48	23 11	0 16	11 5	7 52	9 28	9 54	26 29		n.a.
T 12	6 25	27 57	5 6	6 31	2 54	14 59	0 27	6 47	1 6	3 44	1 13	24 2	0 34	13 50	0 48	23 11	0 16	11 4	7 52	9 30	9 55	26 27		n.a.
F 13	6 48	28 30	4 45	6 10	2 57	15 26	0 30	6 29	1 6	3 38	1 13	24 2	0 34	13 50	0 48	23 11	0 16	11 4	7 52	9 31	9 56	26 26		n.a.
S 14	7 10	27 10	4 6	5 48	2 59	15 51	0 32	6 11	1 6	3 33	1 13	24 2	0 34	13 50	0 48	23 11	0 16	11 3	7 52	9 32	9 58	26 24		n.a.
S 15	7 32	24 6	3 13	5 23	3 0	16 17	0 35	5 53	1 6	3 27	1 13	24 2	0 34	13 51	0 48	23 11	0 16	11 3	7 52	9 32	9 59	26 23		n.a.
M16	7 54	19 35	2 7	4 57	3 1	16 41	0 37	5 35	1 5	3 22	1 13	24 2	0 35	13 51	0 48	23 11	0 16	11 3	7 52	9 31	10 0	26 21		n.a.
T 17	8 16	14 1	0 55	4 29	3 1	17 6	0 40	5 17	1 5	3 17	1 13	24 1	0 35	13 52	0 48	23 11	0 16	11 2	7 52	9 31	10 1	26 20		n.a.
W18	8 38	7 47	0s20	3 59	3 0	17 30	0 43	4 59	1 5	3 11	1 13	24 1	0 35	13 52	0 48	23 11	0 16	11 2	7 52	9 31	10 2	26 18		n.a.
T 19	9 0	1 15	1 33	3 27	2 59	17 54	0 45	4 41	1 5	3 6	1 13	24 1	0 35	13 52	0 48	23 11	0 16	11 2	7 52	9 31	10 3	26 17		n.a.
F 20	9 21	5s16	2 40	2 54	2 57	18 17	0 48	4 23	1 4	3 0	1 13	24 1	0 35	13 53	0 48	23 11	0 16	11 1	7 52	9 32	10 5	26 15		n.a.
S 21	9 43	11 26	3 37	2 19	2 54	18 39	0 50	4 5	1 4	2 55	1 14	24 1	0 35	13 53	0 48	23 11	0 16	11 1	7 52	9 35	10 6	26 14		n.a.
S 22	10 4	16 59	4 21	1 43	2 51	19 2	0 53	3 47	1 4	2 50	1 14	24 0	0 35	13 53	0 48	23 11	0 16	11 1	7 52	9 37	10 7	26 12		n.a.
M23	10 25	21 39	4 50	1 5	2 47	19 23	0 55	3 29	1 4	2 45	1 14	24 0	0 35	13 53	0 48	23 11	0 16	11 0	7 52	9 41	10 8	26 11		n.a.
T 24	10 46	25 13	5 4	0 25	2 43	19 45	0 58	3 11	1 3	2 39	1 14	24 0	0 35	13 54	0 48	23 11	0 16	11 0	7 52	9 44	10 9	26 9		n.a.
W25	11 7	27 31	5 4	0n16	2 38	20 5	1 0	2 53	1 3	2 34	1 14	24 0	0 35	13 54	0 48	23 11	0 16	11 0	7 52	9 47	10 10	26 7		n.a.
T 26	11 27	28 26	4 49	0 58	2 32	20 26	1 2	2 34	1 3	2 29	1 14	23 59	0 35	13 54	0 48	23 11	0 16	10 59	7 52	9 50	10 12	26 6		n.a.
F 27	11 48	27 59	4 22	1 42	2 26	20 45	1 5	2 16	1 2	2 24	1 14	23 59	0 35	13 54	0 48	23 11	0 16	10 59	7 52	9 52	10 13	26 4		n.a.
S 28	12 8	26 15	3 44	2 27	2 19	21 4	1 7	1 58	1 2	2 19	1 14	23 59	0 35	13 54	0 48	23 11	0 16	10 59	7 52	9 53	10 14	26 3		n.a.
S 29	12 28	23 21	2 56	3 13	2 12	21 23	1 9	1 40	1 2	2 13	1 14	23 58	0 35	13 55	0 48	23 11	0 16	10 58	7 52	9 53	10 15	26 1		n.a.
M30	12n48	19s28	2s 1	4n 0	2s 4	21n41	1n12	1s22	1s 2	2s 8	1s14	23n58	0n35	13n55	0n48	23s11	0n16	10s58	7n52	9s53	10s16	26s 0		n.a.

Julian Day Number = 1550211.5, Delta T = 04h31m23s
Ecliptic obliquity = 23°45'16, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'47, Lahiri = -10°25'47 Julian Calendar 1 Apr. 469 BCE == Greg. Calendar 27 March 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

MAY 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 13 40	4♉19'35	23♒36	16♈34	1♊39	29♓39	27♓43	9♋51	25°R34	8°R45	22°R15	4♓47	3♓40	19♑ 2	n.a.	T 1
W 2	14 17 36	5°16'54	5♓48	18°21	2°51	0♈23	27°56	9°56	25♌33	8♑44	22♏13	4°R48	3°37	19° 9	n.a.	W 2
T 3	14 21 33	6°14'12	18°19	20°11	4° 3	1° 7	28° 9	10° 1	25°33	8°44	22°12	4°47	3°34	19°15	n.a.	T 3
F 4	14 25 29	7°11'30	1♈10	22° 4	5°16	1°51	28°21	10° 5	25°33	8°43	22°10	4°44	3°31	19°22	n.a.	F 4
S 5	14 29 26	8° 8'47	14°24	23°58	6°28	2°35	28°34	10°10	25°33	8°43	22° 9	4°39	3°28	19°29	n.a.	S 5
S 6	14 33 22	9° 6'03	28° 1	25°55	7°40	3°18	28°47	10°15	25°32	8°42	22° 7	4°31	3°25	19°35	n.a.	S 6
M 7	14 37 19	10° 3'18	12♉ 0	27°54	8°52	4° 2	28°59	10°20	25°32	8°41	22° 6	4°22	3°21	19°42	n.a.	M 7
T 8	14 41 15	11° 0'33	26°16	29°55	10° 4	4°46	29°11	10°25	25°32	8°41	22° 4	4°11	3°18	19°49	n.a.	T 8
W 9	14 45 12	11°57'47	10♊43	1♉58	11°16	5°29	29°24	10°30	25°D32	8°40	22° 3	4° 2	3°15	19°55	n.a.	W 9
T 10	14 49 9	12°55'01	25°15	4° 3	12°28	6°13	29°36	10°35	25°32	8°39	22° 1	3°53	3°12	20° 2	n.a.	T 10
F 11	14 53 5	13°52'13	9♋45	6°10	13°40	6°56	29°48	10°41	25°32	8°39	22° 0	3°47	3° 9	20° 9	n.a.	F 11
S 12	14 57 2	14°49'25	24° 9	8°17	14°52	7°39	0♈ 0	10°46	25°32	8°38	21°58	3°43	3° 6	20°15	n.a.	S 12
S 13	15 0 58	15°46'36	8♌23	10°27	16° 4	8°22	0°12	10°51	25°33	8°37	21°56	3°42	3° 2	20°22	n.a.	S 13
M14	15 4 55	16°43'46	22°25	12°37	17°16	9° 6	0°24	10°57	25°33	8°36	21°55	3°D42	2°59	20°29	n.a.	M14
T 15	15 8 51	17°40'55	6♍16	14°47	18°28	9°49	0°36	11° 2	25°33	8°35	21°53	3°R42	2°56	20°35	n.a.	T 15
W16	15 12 48	18°38'03	19°54	16°59	19°39	10°32	0°48	11° 8	25°33	8°35	21°52	3°41	2°53	20°42	n.a.	W16
T 17	15 16 44	19°35'10	3♎21	19°10	20°51	11°15	1° 0	11°13	25°34	8°34	21°50	3°38	2°50	20°49	n.a.	T 17
F 18	15 20 41	20°32'17	16°38	21°21	22° 3	11°58	1°11	11°19	25°34	8°33	21°49	3°33	2°46	20°55	n.a.	F 18
S 19	15 24 38	21°29'24	29°43	23°32	23°14	12°41	1°23	11°25	25°35	8°32	21°47	3°24	2°43	21° 2	n.a.	S 19
S 20	15 28 34	22°26'30	12♏36	25°43	24°26	13°23	1°34	11°31	25°35	8°31	21°45	3°14	2°40	21° 9	n.a.	S 20
M21	15 32 31	23°23'35	25°17	27°52	25°37	14° 6	1°46	11°37	25°36	8°30	21°44	3° 1	2°37	21°15	n.a.	M21
T 22	15 36 27	24°20'41	7♐46	0♊ 1	26°49	14°49	1°57	11°43	25°37	8°29	21°42	2°48	2°34	21°22	n.a.	T 22
W23	15 40 24	25°17'46	20° 3	2° 8	28° 0	15°31	2° 8	11°49	25°37	8°28	21°41	2°36	2°31	21°29	n.a.	W23
T 24	15 44 20	26°14'51	2♑ 9	4°14	29°12	16°14	2°19	11°55	25°38	8°27	21°39	2°25	2°27	21°36	n.a.	T 24
F 25	15 48 17	27°11'57	14° 6	6°18	0♋23	16°56	2°30	12° 1	25°39	8°26	21°38	2°17	2°24	21°42	n.a.	F 25
S 26	15 52 14	28° 9'02	25°57	8°21	1°34	17°39	2°41	12° 7	25°40	8°24	21°36	2°11	2°21	21°49	n.a.	S 26
S 27	15 56 10	29° 6'07	7♒46	10°21	2°45	18°21	2°52	12°13	25°41	8°23	21°35	2° 8	2°18	21°56	n.a.	S 27
M28	16 0 7	0♊ 3'13	19°37	12°20	3°57	19° 3	3° 3	12°19	25°42	8°22	21°33	2° 7	2°15	22° 2	n.a.	M28
T 29	16 4 3	1° 0'19	1♓36	14°17	5° 8	19°46	3°13	12°26	25°43	8°21	21°31	2° 7	2°12	22° 9	n.a.	T 29
W30	16 8 0	1°57'25	13°48	16°12	6°19	20°28	3°24	12°32	25°44	8°20	21°30	2° 6	2° 8	22°16	n.a.	W30
T 31	16 11 56	2♊54'31	26♓19	18♊ 5	7♋30	21♈10	3♈34	12♋39	25♌45	8♑18	21♏28	2♓ 5	2♓ 5	22♑22	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n 8	14s46	1s 0	4n49	1s56	21n58	1n14	1s 4	1s 1	2s 3	1s15	23n58	0n35	13n55	0n48	23s11	0n16	10s58	7n52	9s53	10s17	25s58		n.a.
W 2	13 27	9 25	0n 5	5 38	1 47	22 15	1 16	0 46	1 1	1 58	1 15	23 58	0 35	13 55	0 48	23 11	0 16	10 57	7 52	9 53	10 19	25 56		n.a.
T 3	13 47	3 35	1 12	6 29	1 38	22 31	1 18	0 28	1 0	1 53	1 15	23 57	0 35	13 55	0 48	23 11	0 16	10 57	7 52	9 53	10 20	25 55		n.a.
F 4	14 6	2n32	2 16	7 20	1 29	22 47	1 20	0 10	1 0	1 48	1 15	23 57	0 35	13 55	0 48	23 11	0 16	10 56	7 52	9 54	10 21	25 53		n.a.
S 5	14 24	8 44	3 15	8 12	1 19	23 1	1 22	0n 8	1 0	1 43	1 15	23 57	0 35	13 55	0 47	23 12	0 16	10 56	7 52	9 56	10 22	25 52		n.a.
S 6	14 43	14 42	4 4	9 4	1 9	23 16	1 24	0 26	0 59	1 38	1 15	23 56	0 35	13 55	0 47	23 12	0 16	10 56	7 52	9 59	10 23	25 50		n.a.
M 7	15 1	20 4	4 40	9 57	0 58	23 29	1 26	0 43	0 59	1 33	1 15	23 56	0 35	13 55	0 47	23 12	0 16	10 55	7 52	10 2	10 24	25 48		n.a.
T 8	15 20	24 25	5 0	10 51	0 48	23 42	1 28	1 1	0 59	1 29	1 15	23 56	0 35	13 55	0 47	23 12	0 16	10 55	7 52	10 6	10 26	25 47		n.a.
W 9	15 38	27 18	5 0	11 44	0 37	23 55	1 30	1 19	0 58	1 24	1 15	23 55	0 35	13 55	0 47	23 12	0 16	10 55	7 52	10 10	10 27	25 45		n.a.
T 10	15 55	28 22	4 42	12 37	0 26	24 6	1 32	1 37	0 58	1 19	1 16	23 55	0 35	13 55	0 47	23 12	0 16	10 54	7 52	10 13	10 28	25 43		n.a.
F 11	16 13	27 28	4 5	13 30	0 15	24 17	1 34	1 55	0 57	1 14	1 16	23 54	0 35	13 55	0 47	23 12	0 16	10 54	7 52	10 15	10 29	25 42		n.a.
S 12	16 30	24 44	3 14	14 23	0 5	24 28	1 35	2 12	0 57	1 9	1 16	23 54	0 35	13 55	0 47	23 12	0 16	10 54	7 52	10 16	10 30	25 40		n.a.
S 13	16 47	20 30	2 10	15 15	0n 6	24 37	1 37	2 30	0 57	1 5	1 16	23 54	0 35	13 55	0 47	23 12	0 16	10 53	7 52	10 17	10 31	25 38		n.a.
M14	17 3	15 9	0 59	16 5	0 17	24 46	1 38	2 47	0 56	1 0	1 16	23 53	0 36	13 55	0 47	23 12	0 16	10 53	7 52	10 17	10 33	25 37		n.a.
T 15	17 20	9 7	0s14	16 55	0 27	24 54	1 40	3 5	0 56	0 55	1 16	23 53	0 36	13 54	0 47	23 12	0 16	10 53	7 52	10 17	10 34	25 35		n.a.
W16	17 36	2 45	1 25	17 43	0 37	25 2	1 41	3 22	0 55	0 51	1 16	23 52	0 36	13 54	0 47	23 12	0 16	10 53	7 52	10 17	10 35	25 33		n.a.
T 17	17 52	3s39	2 30	18 30	0 47	25 9	1 43	3 40	0 55	0 46	1 17	23 52	0 36	13 54	0 47	23 12	0 16	10 52	7 52	10 18	10 36	25 32		n.a.
F 18	18 7	9 47	3 26	19 14	0 56	25 15	1 44	3 57	0 55	0 41	1 17	23 51	0 36	13 54	0 47	23 12	0 16	10 52	7 51	10 20	10 37	25 30		n.a.
S 19	18 22	15 25	4 11	19 57	1 5	25 20	1 45	4 15	0 54	0 37	1 17	23 51	0 36	13 54	0 47	23 12	0 16	10 52	7 51	10 23	10 38	25 28		n.a.
S 20	18 37	20 17	4 41	20 37	1 13	25 24	1 46	4 32	0 54	0 33	1 17	23 50	0 36	13 53	0 47	23 12	0 16	10 51	7 51	10 27	10 39	25 26		n.a.
M21	18 52	24 9	4 58	21 15	1 20	25 28	1 48	4 49	0 53	0 28	1 17	23 50	0 36	13 53	0 47	23 12	0 16	10 51	7 51	10 32	10 41	25 25		n.a.
T 22	19 6	26 48	4 59	21 50	1 27	25 31	1 49	5 6	0 53	0 24	1 17	23 50	0 36	13 53	0 47	23 13	0 16	10 51	7 51	10 36	10 42	25 23		n.a.
W23	19 20	28 8	4 47	22 23	1 33	25 34	1 49	5 23	0 52	0 19	1 17	23 49	0 36	13 53	0 47	23 13	0 16	10 50	7 51	10 41	10 43	25 21		n.a.
T 24	19 34	28 6	4 21	22 53	1 39	25 35	1 50	5 40	0 52	0 15	1 18	23 49	0 36	13 52	0 47	23 13	0 16	10 50	7 51	10 45	10 44	25 19		n.a.
F 25	19 47	26 43	3 45	23 21	1 44	25 36	1 51	5 57	0 51	0 11	1 18	23 48	0 36	13 52	0 47	23 13	0 16	10 50	7 51	10 48	10 45	25 18		n.a.
S 26	20 1	24 10	2 59	23 46	1 48	25 37	1 52	6 14	0 51	0 6	1 18	23 47	0 36	13 52	0 47	23 13	0 16	10 50	7 51	10 50	10 46	25 16		n.a.
S 27	20 13	20 35	2 5	24 8	1 52	25 36	1 52	6 31	0 50	0 2	1 18	23 47	0 36	13 51	0 47	23 13	0 16	10 49	7 50	10 51	10 48	25 14		n.a.
M28	20 26	16 10	1 6	24 28	1 55	25 35	1 53	6 47	0 50	0n 2	1 18	23 46	0 36	13 51	0 47	23 13	0 16	10 49	7 50	10 52	10 49	25 12		n.a.
T 29	20 38	11 5	0 3	24 45	1 57	25 33	1 54	7 4	0 49	0 6	1 18	23 46	0 36	13 51	0 46	23 13	0 16	10 49	7 50	10 52	10 50	25 11		n.a.
W30	20 50	5 30	1n 2	24 59	1 58	25 30	1 54	7 21	0 49	0 10	1 19	23 45	0 36	13 50	0 46	23 13	0 16	10 49	7 50	10 52	10 51	25 9		n.a.
T 31	21n 1	0n25	2n 4	25n11	1n59	25n26	1n54	7n37	0s48	0n14	1s19	23n45	0n36	13n50	0n46	23s13	0n16	10s48	7n50	10s52	10s52	25s 7		n.a.

Julian Day Number = 1550241.5, Delta T = 04h31m22s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'43, Lahiri = -10°25'43 Julian Calendar 1 May 469 BCE == Greg. Calendar 26 Apr. 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

JUNE 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 15 53	3♊51'37	9♈12	19♊57	8♋41	21♈52	3♈44	12♋45	25♌46	8°R17	21°R27	2°R 2	2♓ 2	22♑29	n.a.	F 1
S 2	16 19 49	4°48'44	22°32	21°46	9°52	22°34	3°55	12°52	25°47	8♑16	21♏25	1♓56	1°59	22°36	n.a.	S 2
S 3	16 23 46	5°45'52	6♉19	23°33	11° 2	23°16	4° 5	12°58	25°49	8°15	21°24	1°48	1°56	22°42	n.a.	S 3
M 4	16 27 43	6°42'59	20°32	25°18	12°13	23°57	4°15	13° 5	25°50	8°13	21°22	1°38	1°52	22°49	n.a.	M 4
T 5	16 31 39	7°40'07	5♊ 7	27° 1	13°24	24°39	4°24	13°12	25°51	8°12	21°21	1°27	1°49	22°56	n.a.	T 5
W 6	16 35 36	8°37'16	19°57	28°42	14°35	25°21	4°34	13°18	25°53	8°11	21°19	1°16	1°46	23° 2	n.a.	W 6
T 7	16 39 32	9°34'25	4♋53	0♋21	15°45	26° 2	4°44	13°25	25°54	8° 9	21°18	1° 6	1°43	23° 9	n.a.	T 7
F 8	16 43 29	10°31'33	19°45	1°58	16°56	26°44	4°53	13°32	25°56	8° 8	21°16	0°59	1°40	23°16	n.a.	F 8
S 9	16 47 25	11°28'42	4♌27	3°32	18° 6	27°25	5° 3	13°39	25°58	8° 6	21°15	0°55	1°37	23°22	n.a.	S 9
S 10	16 51 22	12°25'51	18°53	5° 5	19°17	28° 7	5°12	13°46	25°59	8° 5	21°13	0°53	1°33	23°29	n.a.	S 10
M11	16 55 19	13°23'00	3♍ 1	6°36	20°27	28°48	5°21	13°52	26° 1	8° 4	21°12	0°D53	1°30	23°36	n.a.	M11
T 12	16 59 15	14°20'09	16°50	8° 5	21°37	29°29	5°30	13°59	26° 3	8° 2	21°11	0°R53	1°27	23°42	n.a.	T 12
W13	17 3 12	15°17'19	0♎21	9°31	22°47	0♉11	5°39	14° 6	26° 4	8° 1	21° 9	0°52	1°24	23°49	n.a.	W13
T 14	17 7 8	16°14'28	13°35	10°56	23°58	0°52	5°48	14°13	26° 6	7°59	21° 8	0°50	1°21	23°56	n.a.	T 14
F 15	17 11 5	17°11'38	26°34	12°18	25° 8	1°33	5°57	14°21	26° 8	7°58	21° 6	0°44	1°18	24° 2	n.a.	F 15
S 16	17 15 1	18° 8'48	9♏21	13°38	26°18	2°14	6° 5	14°28	26°10	7°56	21° 5	0°37	1°14	24° 9	n.a.	S 16
S 17	17 18 58	19° 5'59	21°57	14°56	27°27	2°54	6°14	14°35	26°12	7°55	21° 4	0°27	1°11	24°16	n.a.	S 17
M18	17 22 54	20° 3'10	4♐22	16°11	28°37	3°35	6°22	14°42	26°14	7°53	21° 2	0°15	1° 8	24°22	n.a.	M18
T 19	17 26 51	21° 0'22	16°37	17°24	29°47	4°16	6°30	14°49	26°16	7°52	21° 1	0° 3	1° 5	24°29	n.a.	T 19
W20	17 30 48	21°57'34	28°43	18°35	0♌57	4°57	6°38	14°56	26°18	7°50	21° 0	29♒51	1° 2	24°36	n.a.	W20
T 21	17 34 44	22°54'48	10♑42	19°43	2° 6	5°37	6°46	15° 4	26°20	7°49	20°59	29°41	0°58	24°42	n.a.	T 21
F 22	17 38 41	23°52'02	22°34	20°49	3°16	6°18	6°54	15°11	26°22	7°47	20°57	29°33	0°55	24°49	n.a.	F 22
S 23	17 42 37	24°49'17	4♒22	21°52	4°25	6°58	7° 1	15°18	26°25	7°45	20°56	29°27	0°52	24°56	n.a.	S 23
S 24	17 46 34	25°46'33	16°10	22°52	5°34	7°38	7° 9	15°25	26°27	7°44	20°55	29°24	0°49	25° 3	n.a.	S 24
M25	17 50 30	26°43'50	28° 1	23°49	6°44	8°19	7°16	15°33	26°29	7°42	20°54	29°D23	0°46	25° 9	n.a.	M25
T 26	17 54 27	27°41'08	10♓ 0	24°43	7°53	8°59	7°23	15°40	26°32	7°41	20°52	29°24	0°43	25°16	n.a.	T 26
W27	17 58 23	28°38'28	22°11	25°35	9° 2	9°39	7°30	15°48	26°34	7°39	20°51	29°24	0°39	25°23	n.a.	W27
T 28	18 2 20	29°35'48	4♈39	26°22	10°11	10°19	7°37	15°55	26°36	7°37	20°50	29°R25	0°36	25°29	n.a.	T 28
F 29	18 6 17	0♋33'10	17°30	27° 7	11°20	10°59	7°44	16° 2	26°39	7°36	20°49	29°23	0°33	25°36	n.a.	F 29
S 30	18 10 13	1♋30'33	0♉48	27♋48	12♌28	11♉39	7♈50	16♋10	26♌41	7♑34	20♏48	29♒20	0♓30	25♑43	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n12	6n29	3n 3	25n21	1n59	25n22	1n54	7n53	0s48	0n18	1s19	23n44	0n36	13n49	0n46	23s13	0n16	10s48	7n50	10s53	10s53	25s 5		n.a.
S 2	21 23	12 29	3 53	25 28	1 58	25 17	1 55	8 10	0 47	0 22	1 19	23 44	0 36	13 49	0 46	23 13	0 16	10 48	7 50	10 55	10 54	25 3		n.a.
S 3	21 33	18 4	4 32	25 33	1 57	25 12	1 55	8 26	0 47	0 26	1 19	23 43	0 36	13 48	0 46	23 13	0 16	10 48	7 49	10 58	10 56	25 2		n.a.
M 4	21 43	22 51	4 55	25 35	1 55	25 5	1 55	8 42	0 46	0 30	1 19	23 42	0 36	13 48	0 46	23 14	0 16	10 47	7 49	11 2	10 57	25 0		n.a.
T 5	21 53	26 21	5 0	25 36	1 53	24 58	1 54	8 58	0 46	0 34	1 20	23 42	0 37	13 47	0 46	23 14	0 16	10 47	7 49	11 6	10 58	24 58		n.a.
W 6	22 2	28 6	4 45	25 35	1 50	24 50	1 54	9 14	0 45	0 37	1 20	23 41	0 37	13 47	0 46	23 14	0 16	10 47	7 49	11 10	10 59	24 56		n.a.
T 7	22 11	27 50	4 11	25 32	1 46	24 42	1 54	9 30	0 44	0 41	1 20	23 40	0 37	13 46	0 46	23 14	0 16	10 47	7 49	11 13	11 0	24 54		n.a.
F 8	22 19	25 34	3 19	25 27	1 42	24 33	1 54	9 46	0 44	0 45	1 20	23 40	0 37	13 46	0 46	23 14	0 16	10 47	7 48	11 16	11 1	24 52		n.a.
S 9	22 27	21 35	2 15	25 20	1 37	24 23	1 53	10 1	0 43	0 48	1 20	23 39	0 37	13 45	0 46	23 14	0 16	10 46	7 48	11 17	11 3	24 51		n.a.
S 10	22 35	16 21	1 3	25 11	1 32	24 12	1 53	10 17	0 43	0 52	1 21	23 39	0 37	13 45	0 46	23 14	0 16	10 46	7 48	11 18	11 4	24 49		n.a.
M11	22 42	10 21	0s11	25 2	1 26	24 1	1 52	10 32	0 42	0 55	1 21	23 38	0 37	13 44	0 46	23 14	0 16	10 46	7 48	11 18	11 5	24 47		n.a.
T 12	22 49	3 59	1 23	24 50	1 20	23 49	1 51	10 47	0 42	0 59	1 21	23 37	0 37	13 43	0 46	23 14	0 16	10 46	7 48	11 18	11 6	24 45		n.a.
W13	22 56	2s25	2 29	24 38	1 14	23 37	1 50	11 3	0 41	1 2	1 21	23 36	0 37	13 43	0 46	23 14	0 16	10 46	7 47	11 18	11 7	24 43		n.a.
T 14	23 2	8 35	3 26	24 24	1 6	23 23	1 49	11 18	0 40	1 5	1 21	23 36	0 37	13 42	0 46	23 15	0 16	10 46	7 47	11 19	11 8	24 41		n.a.
F 15	23 8	14 16	4 10	24 9	0 59	23 10	1 48	11 33	0 40	1 9	1 22	23 35	0 37	13 41	0 46	23 15	0 16	10 45	7 47	11 21	11 9	24 39		n.a.
S 16	23 13	19 14	4 41	23 53	0 51	22 55	1 47	11 47	0 39	1 12	1 22	23 34	0 37	13 41	0 46	23 15	0 16	10 45	7 47	11 24	11 11	24 37		n.a.
S 17	23 18	23 17	4 58	23 36	0 42	22 40	1 46	12 2	0 39	1 15	1 22	23 34	0 37	13 40	0 46	23 15	0 16	10 45	7 47	11 28	11 12	24 35		n.a.
M18	23 23	26 13	5 1	23 18	0 33	22 25	1 44	12 17	0 38	1 18	1 22	23 33	0 37	13 39	0 46	23 15	0 16	10 45	7 46	11 32	11 13	24 34		n.a.
T 19	23 27	27 52	4 49	23 0	0 24	22 8	1 43	12 31	0 37	1 21	1 22	23 32	0 37	13 38	0 46	23 15	0 16	10 45	7 46	11 36	11 14	24 32		n.a.
W20	23 30	28 10	4 25	22 41	0 14	21 52	1 41	12 46	0 37	1 24	1 23	23 31	0 37	13 38	0 46	23 15	0 16	10 45	7 46	11 40	11 15	24 30		n.a.
T 21	23 34	27 7	3 49	22 21	0 4	21 34	1 40	13 0	0 36	1 27	1 23	23 31	0 37	13 37	0 46	23 15	0 16	10 45	7 46	11 44	11 16	24 28		n.a.
F 22	23 37	24 51	3 3	22 1	0s 6	21 16	1 38	13 14	0 35	1 30	1 23	23 30	0 37	13 36	0 46	23 15	0 16	10 45	7 45	11 47	11 17	24 26		n.a.
S 23	23 39	21 31	2 9	21 40	0 17	20 58	1 36	13 28	0 35	1 33	1 23	23 29	0 38	13 35	0 46	23 15	0 16	10 45	7 45	11 49	11 19	24 24		n.a.
S 24	23 41	17 19	1 10	21 20	0 28	20 39	1 34	13 42	0 34	1 36	1 24	23 28	0 38	13 34	0 45	23 16	0 16	10 45	7 45	11 50	11 20	24 22		n.a.
M25	23 43	12 26	0 7	20 59	0 39	20 19	1 32	13 56	0 34	1 38	1 24	23 27	0 38	13 34	0 45	23 16	0 16	10 44	7 45	11 50	11 21	24 20		n.a.
T 26	23 44	7 3	0n56	20 38	0 51	19 59	1 30	14 10	0 33	1 41	1 24	23 27	0 38	13 33	0 45	23 16	0 16	10 44	7 44	11 50	11 22	24 18		n.a.
W27	23 45	1 20	1 59	20 17	1 3	19 39	1 28	14 23	0 32	1 44	1 24	23 26	0 38	13 32	0 45	23 16	0 16	10 44	7 44	11 50	11 23	24 16		n.a.
T 28	23 45	4n35	2 57	19 56	1 15	19 18	1 26	14 37	0 32	1 46	1 24	23 25	0 38	13 31	0 45	23 16	0 16	10 44	7 44	11 50	11 24	24 14		n.a.
F 29	23 45	10 28	3 48	19 35	1 27	18 56	1 23	14 50	0 31	1 49	1 25	23 24	0 38	13 30	0 45	23 16	0 16	10 44	7 44	11 50	11 25	24 12		n.a.
S 30	23n45	16n 6	4n29	19n15	1s40	18n34	1n21	15n 3	0s30	1n51	1s25	23n23	0n38	13n29	0n45	23s16	0n16	10s44	7n43	11s51	11s26	24s10		n.a.

Julian Day Number = 1550272.5, Delta T = 04h31m21s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'39, Lahiri = -10°25'38 Julian Calendar 1 June 469 BCE == Greg. Calendar 27 May 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

JULY 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 14 10	2♋27'58	14♉35	28♋25	13♌37	12♉19	7♈57	16♋17	26♌44	7°R33	20°R47	29°R14	0♓27	25♂49	n.a.	S 1
M 2	18 18 6	3°25'23	28°50	28°58	14°46	12°59	8° 3	16°25	26°46	7♂31	20♏46	29♒ 7	0°24	25°56	n.a.	M 2
T 3	18 22 3	4°22'51	13♊31	29°27	15°54	13°38	8° 9	16°32	26°49	7°29	20°45	28°59	0°20	26° 3	n.a.	T 3
W 4	18 25 59	5°20'19	28°31	29°51	17° 2	14°18	8°15	16°40	26°52	7°28	20°44	28°51	0°17	26° 9	n.a.	W 4
T 5	18 29 56	6°17'49	13♋41	0♌11	18°11	14°57	8°21	16°47	26°55	7°26	20°43	28°44	0°14	26°16	n.a.	T 5
F 6	18 33 53	7°15'20	28°51	0°27	19°19	15°37	8°26	16°55	26°57	7°24	20°42	28°38	0°11	26°23	n.a.	F 6
S 7	18 37 49	8°12'52	13♌50	0°37	20°27	16°16	8°32	17° 3	27° 0	7°23	20°41	28°36	0° 8	26°29	n.a.	S 7
S 8	18 41 46	9°10'25	28°33	0°R42	21°35	16°55	8°37	17°10	27° 3	7°21	20°40	28°D35	0° 4	26°36	n.a.	S 8
M 9	18 45 42	10° 7'59	12♍53	0°42	22°42	17°34	8°42	17°18	27° 6	7°20	20°39	28°35	0° 1	26°43	n.a.	M 9
T 10	18 49 39	11° 5'34	26°49	0°37	23°50	18°14	8°47	17°25	27° 9	7°18	20°38	28°36	29♒58	26°49	n.a.	T 10
W11	18 53 35	12° 3'10	10♎22	0°26	24°58	18°53	8°51	17°33	27°12	7°16	20°37	28°R37	29°55	26°56	n.a.	W11
T 12	18 57 32	13° 0'47	23°33	0°10	26° 5	19°31	8°56	17°41	27°14	7°15	20°37	28°37	29°52	27° 3	n.a.	T 12
F 13	19 1 28	13°58'25	6♏25	29♋48	27°12	20°10	9° 0	17°48	27°17	7°13	20°36	28°34	29°49	27° 9	n.a.	F 13
S 14	19 5 25	14°56'04	19° 1	29°20	28°19	20°49	9° 5	17°56	27°20	7°11	20°35	28°30	29°45	27°16	n.a.	S 14
S 15	19 9 22	15°53'45	1♐24	28°48	29°26	21°28	9° 9	18° 3	27°24	7°10	20°34	28°24	29°42	27°23	n.a.	S 15
M16	19 13 18	16°51'27	13°36	28°10	0♍33	22° 6	9°12	18°11	27°27	7° 8	20°34	28°17	29°39	27°29	n.a.	M16
T 17	19 17 15	17°49'10	25°40	27°28	1°40	22°45	9°16	18°19	27°30	7° 7	20°33	28°10	29°36	27°36	n.a.	T 17
W18	19 21 11	18°46'55	7♑37	26°42	2°46	23°23	9°20	18°26	27°33	7° 5	20°32	28° 2	29°33	27°43	n.a.	W18
T 19	19 25 8	19°44'41	19°30	25°53	3°53	24° 1	9°23	18°34	27°36	7° 3	20°32	27°56	29°30	27°49	n.a.	T 19
F 20	19 29 4	20°42'29	1♒19	25° 2	4°59	24°40	9°26	18°42	27°39	7° 2	20°31	27°52	29°26	27°56	n.a.	F 20
S 21	19 33 1	21°40'18	13° 8	24° 9	6° 5	25°18	9°29	18°49	27°42	7° 0	20°31	27°49	29°23	28° 3	n.a.	S 21
S 22	19 36 57	22°38'09	24°57	23°15	7°11	25°56	9°32	18°57	27°46	6°59	20°30	27°D48	29°20	28° 9	n.a.	S 22
M23	19 40 54	23°36'02	6♓51	22°22	8°16	26°34	9°34	19° 4	27°49	6°57	20°30	27°48	29°17	28°16	n.a.	M23
T 24	19 44 51	24°33'57	18°53	21°31	9°22	27°11	9°37	19°12	27°52	6°56	20°29	27°49	29°14	28°23	n.a.	T 24
W25	19 48 47	25°31'53	1♈ 6	20°42	10°27	27°49	9°39	19°20	27°56	6°54	20°29	27°51	29°10	28°29	n.a.	W25
T 26	19 52 44	26°29'52	13°35	19°57	11°32	28°27	9°41	19°27	27°59	6°53	20°28	27°52	29° 7	28°36	n.a.	T 26
F 27	19 56 40	27°27'52	26°24	19°17	12°37	29° 4	9°43	19°35	28° 2	6°51	20°28	27°R53	29° 4	28°43	n.a.	F 27
S 28	20 0 37	28°25'55	9♉37	18°43	13°42	29°42	9°44	19°42	28° 6	6°50	20°28	27°52	29° 1	28°49	n.a.	S 28
S 29	20 4 33	29°24'00	23°17	18°16	14°47	0♊19	9°46	19°50	28° 9	6°48	20°27	27°51	28°58	28°56	n.a.	S 29
M30	20 8 30	0♌22'06	7♊24	17°55	15°51	0°57	9°47	19°58	28°13	6°47	20°27	27°48	28°55	29° 3	n.a.	M30
T 31	20 12 26	1♌20'15	21♊57	17♋43	16♍55	1♊34	9♈48	20♋ 5	28♌16	6♂45	20♏27	27♒44	28♒51	29♂ 9	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n44	21n 7	4n56	18n55	1s52	18n12	1n18	15n16	0s29	1n53	1s25	23n23	0n38	13n28	0n45	23s16	0n16	10s44	7n43	11s53	11s28	24s 8			n.a.
M 2	23 43	25 8	5 6	18 36	2 5	17 49	1 15	15 29	0 29	1 56	1 25	23 22	0 38	13 27	0 45	23 16	0 16	10 44	7 43	11 56	11 29	24 6			n.a.
T 3	23 41	27 37	4 56	18 18	2 18	17 26	1 13	15 42	0 28	1 58	1 26	23 21	0 38	13 27	0 45	23 16	0 16	10 44	7 43	11 59	11 30	24 4			n.a.
W 4	23 39	28 11	4 26	18 0	2 30	17 2	1 10	15 54	0 27	2 0	1 26	23 20	0 38	13 26	0 45	23 17	0 16	10 44	7 42	12 2	11 31	24 2			n.a.
T 5	23 36	26 39	3 37	17 43	2 43	16 38	1 7	16 7	0 27	2 2	1 26	23 19	0 38	13 25	0 45	23 17	0 16	10 44	7 42	12 4	11 32	24 0			n.a.
F 6	23 33	23 9	2 33	17 28	2 55	16 14	1 4	16 19	0 26	2 4	1 26	23 18	0 38	13 24	0 45	23 17	0 16	10 44	7 42	12 6	11 33	23 58			n.a.
S 7	23 30	18 9	1 19	17 14	3 8	15 49	1 0	16 31	0 25	2 6	1 27	23 17	0 39	13 23	0 45	23 17	0 16	10 44	7 41	12 7	11 34	23 56			n.a.
S 8	23 26	12 8	0 0	17 1	3 20	15 24	0 57	16 43	0 25	2 8	1 27	23 16	0 39	13 22	0 45	23 17	0 16	10 44	7 41	12 7	11 36	23 54			n.a.
M 9	23 22	5 38	1s16	16 50	3 31	14 58	0 54	16 55	0 24	2 10	1 27	23 15	0 39	13 21	0 45	23 17	0 16	10 44	7 41	12 7	11 37	23 52			n.a.
T 10	23 17	0s57	2 26	16 40	3 42	14 32	0 50	17 7	0 23	2 11	1 27	23 15	0 39	13 20	0 45	23 17	0 16	10 45	7 41	12 7	11 38	23 50			n.a.
W11	23 12	7 19	3 26	16 32	3 53	14 6	0 47	17 18	0 22	2 13	1 28	23 14	0 39	13 19	0 45	23 17	0 16	10 45	7 40	12 7	11 39	23 48			n.a.
T 12	23 6	13 10	4 13	16 26	4 2	13 40	0 43	17 30	0 22	2 15	1 28	23 13	0 39	13 17	0 45	23 17	0 16	10 45	7 40	12 7	11 40	23 46			n.a.
F 13	23 1	18 20	4 46	16 22	4 11	13 13	0 39	17 41	0 21	2 16	1 28	23 12	0 39	13 16	0 45	23 18	0 16	10 45	7 40	12 8	11 41	23 44			n.a.
S 14	22 54	22 35	5 5	16 21	4 19	12 46	0 35	17 52	0 20	2 18	1 28	23 11	0 39	13 15	0 45	23 18	0 16	10 45	7 39	12 9	11 42	23 42			n.a.
S 15	22 48	25 44	5 9	16 21	4 25	12 19	0 31	18 3	0 19	2 19	1 29	23 10	0 39	13 14	0 45	23 18	0 16	10 45	7 39	12 11	11 43	23 40			n.a.
M16	22 40	27 40	4 58	16 23	4 30	11 51	0 27	18 14	0 19	2 20	1 29	23 9	0 39	13 13	0 45	23 18	0 16	10 45	7 39	12 14	11 45	23 38			n.a.
T 17	22 33	28 15	4 35	16 28	4 34	11 23	0 23	18 25	0 18	2 22	1 29	23 8	0 39	13 12	0 45	23 18	0 16	10 45	7 38	12 16	11 46	23 35			n.a.
W18	22 25	27 30	3 59	16 35	4 36	10 55	0 19	18 35	0 17	2 23	1 29	23 7	0 39	13 11	0 45	23 18	0 16	10 45	7 38	12 19	11 47	23 33			n.a.
T 19	22 17	25 30	3 13	16 44	4 36	10 27	0 15	18 46	0 16	2 24	1 30	23 6	0 39	13 10	0 45	23 18	0 16	10 46	7 38	12 21	11 48	23 31			n.a.
F 20	22 8	22 23	2 19	16 55	4 34	9 58	0 10	18 56	0 15	2 25	1 30	23 5	0 40	13 9	0 45	23 18	0 16	10 46	7 37	12 22	11 49	23 29			n.a.
S 21	21 59	18 22	1 19	17 8	4 31	9 30	0 6	19 6	0 15	2 26	1 30	23 4	0 40	13 8	0 45	23 18	0 16	10 46	7 37	12 23	11 50	23 27			n.a.
S 22	21 50	13 37	0 16	17 22	4 25	9 1	0 2	19 16	0 14	2 27	1 30	23 3	0 40	13 6	0 45	23 18	0 16	10 46	7 37	12 24	11 51	23 25			n.a.
M23	21 40	8 21	0n49	17 38	4 18	8 32	0s 3	19 26	0 13	2 27	1 31	23 2	0 40	13 5	0 45	23 19	0 16	10 46	7 36	12 24	11 52	23 23			n.a.
T 24	21 29	2 44	1 53	17 55	4 8	8 2	0 8	19 35	0 12	2 28	1 31	23 1	0 40	13 4	0 45	23 19	0 16	10 46	7 36	12 23	11 54	23 21			n.a.
W25	21 19	3n 4	2 52	18 14	3 57	7 33	0 13	19 45	0 11	2 29	1 31	23 0	0 40	13 3	0 45	23 19	0 16	10 47	7 36	12 23	11 55	23 19			n.a.
T 26	21 8	8 53	3 45	18 33	3 45	7 4	0 17	19 54	0 11	2 29	1 31	22 59	0 40	13 2	0 45	23 19	0 16	10 47	7 35	12 22	11 56	23 16			n.a.
F 27	20 56	14 28	4 28	18 52	3 31	6 34	0 22	20 3	0 10	2 30	1 32	22 58	0 40	13 0	0 45	23 19	0 16	10 47	7 35	12 22	11 57	23 14			n.a.
S 28	20 45	19 35	4 58	19 12	3 16	6 4	0 27	20 12	0 9	2 30	1 32	22 57	0 40	12 59	0 45	23 19	0 16	10 47	7 35	12 22	11 58	23 12			n.a.
S 29	20 33	23 52	5 13	19 32	2 59	5 34	0 32	20 21	0 8	2 30	1 32	22 56	0 40	12 58	0 45	23 19	0 16	10 48	7 34	12 23	11 59	23 10			n.a.
M30	20 20	26 55	5 9	19 51	2 42	5 4	0 38	20 30	0 7	2 31	1 32	22 55	0 40	12 57	0 45	23 19	0 15	10 48	7 34	12 24	12 0	23 8			n.a.
T 31	20n 7	28n16	4n46	20n11	2s25	4n34	0s43	20n38	0s 6	2n31	1s33	22n54	0n41	12n56	0n44	23s19	0n15	10s48	7n34	12s25	12s 1	23s 6			n.a.

Julian Day Number = 1550302.5, Delta T = 04h31m20s
Ecliptic obliquity = 23°45'14, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'35, Lahiri = -10°25'34 Julian Calendar 1 July 469 BCE == Greg. Calendar 26 June 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

AUGUST 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 16 23	2♌18'26	6♋51	17°D39	17♍59	2♊11	9♈49	20♋13	28♌20	6°R44	20°R26	27°R41	28♒48	29♑16	n.a.	W 1
T 2	20 20 20	3°16'39	22° 0	17♋43	19° 3	2°48	9°49	20°20	28°23	6♑42	20♏26	27♒38	28°45	29°23	n.a.	T 2
F 3	20 24 16	4°14'54	7♌14	17°56	20° 6	3°25	9°50	20°28	28°27	6°41	20°26	27°36	28°42	29°29	n.a.	F 3
S 4	20 28 13	5°13'11	22°22	18°17	21°10	4° 2	9°R50	20°35	28°30	6°40	20°26	27°D35	28°39	29°36	n.a.	S 4
S 5	20 32 9	6°11'29	7♍16	18°47	22°13	4°38	9°50	20°43	28°34	6°38	20°26	27°35	28°36	29°43	n.a.	S 5
M 6	20 36 6	7° 9'49	21°49	19°26	23°15	5°15	9°50	20°50	28°37	6°37	20°26	27°36	28°32	29°49	n.a.	M 6
T 7	20 40 2	8° 8'11	5♎57	20°13	24°18	5°51	9°49	20°57	28°41	6°36	20°26	27°37	28°29	29°56	n.a.	T 7
W 8	20 43 59	9° 6'35	19°38	21° 7	25°20	6°28	9°49	21° 5	28°45	6°34	20°D26	27°38	28°26	0♓ 3	n.a.	W 8
T 9	20 47 55	10° 5'00	2♏54	22° 9	26°22	7° 4	9°48	21°12	28°48	6°33	20°26	27°39	28°23	0° 9	n.a.	T 9
F 10	20 51 52	11° 3'27	15°46	23°18	27°24	7°40	9°47	21°20	28°52	6°32	20°26	27°R39	28°20	0°16	n.a.	F 10
S 11	20 55 48	12° 1'55	28°19	24°33	28°25	8°16	9°46	21°27	28°56	6°30	20°26	27°39	28°16	0°23	n.a.	S 11
S 12	20 59 45	13° 0'26	10♐37	25°54	29°26	8°52	9°44	21°34	28°59	6°29	20°26	27°37	28°13	0°29	n.a.	S 12
M13	21 3 42	13°58'58	22°42	27°20	0♎27	9°28	9°43	21°41	29° 3	6°28	20°26	27°35	28°10	0°36	n.a.	M13
T 14	21 7 38	14°57'32	4♑38	28°50	1°27	10° 3	9°41	21°49	29° 7	6°27	20°26	27°33	28° 7	0°43	n.a.	T 14
W15	21 11 35	15°56'08	16°30	0♌25	2°27	10°39	9°39	21°56	29°10	6°26	20°27	27°32	28° 4	0°49	n.a.	W15
T 16	21 15 31	16°54'46	28°19	2° 4	3°27	11°14	9°37	22° 3	29°14	6°24	20°27	27°30	28° 1	0°56	n.a.	T 16
F 17	21 19 28	17°53'26	10♒ 8	3°45	4°26	11°50	9°34	22°10	29°18	6°23	20°27	27°29	27°57	1° 3	n.a.	F 17
S 18	21 23 24	18°52'08	22° 0	5°29	5°25	12°25	9°32	22°17	29°21	6°22	20°28	27°D29	27°54	1° 9	n.a.	S 18
S 19	21 27 21	19°50'52	3♓56	7°14	6°24	13° 0	9°29	22°24	29°25	6°21	20°28	27°29	27°51	1°16	n.a.	S 19
M20	21 31 17	20°49'38	15°58	9° 2	7°22	13°35	9°26	22°31	29°29	6°20	20°28	27°29	27°48	1°23	n.a.	M20
T 21	21 35 14	21°48'26	28°10	10°50	8°20	14°10	9°23	22°38	29°33	6°19	20°29	27°30	27°45	1°29	n.a.	T 21
W22	21 39 11	22°47'17	10♈32	12°39	9°17	14°44	9°19	22°45	29°37	6°18	20°29	27°30	27°42	1°36	n.a.	W22
T 23	21 43 7	23°46'09	23° 8	14°29	10°14	15°19	9°16	22°52	29°40	6°17	20°30	27°31	27°38	1°43	n.a.	T 23
F 24	21 47 4	24°45'05	6♉ 1	16°19	11°10	15°53	9°12	22°59	29°44	6°16	20°30	27°31	27°35	1°49	n.a.	F 24
S 25	21 51 0	25°44'02	19°13	18°10	12° 6	16°28	9° 8	23° 6	29°48	6°15	20°31	27°31	27°32	1°56	n.a.	S 25
S 26	21 54 57	26°43'03	2♊46	20° 0	13° 1	17° 2	9° 4	23°13	29°52	6°14	20°31	27°R31	27°29	2° 3	n.a.	S 26
M27	21 58 53	27°42'05	16°41	21°50	13°56	17°36	9° 0	23°20	29°55	6°13	20°32	27°D31	27°26	2° 9	n.a.	M27
T 28	22 2 50	28°41'10	0♋59	23°39	14°51	18°10	8°55	23°26	29°59	6°13	20°33	27°31	27°22	2°16	n.a.	T 28
W29	22 6 46	29°40'18	15°36	25°28	15°44	18°44	8°51	23°33	0♍ 3	6°12	20°33	27°31	27°19	2°22	n.a.	W29
T 30	22 10 43	0♍39'28	0♌28	27°17	16°38	19°17	8°46	23°40	0° 7	6°11	20°34	27°32	27°16	2°29	n.a.	T 30
F 31	22 14 40	1♍38'40	15♌29	29♌ 4	17♎30	19♊51	8♈41	23♋46	0♍11	6♑10	20♏35	27♒32	27♒13	2♒36	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	19n54	27n38	4n 4	20n29	2s 7	4n 4	0s48	20n47	0s 6	2n31	1s33	22n53	0n41	12n54	0n44	23s19	0n15	10s48	7n33	12s26	12s 3	23s 3			n.a.
T 2	19 41	24 57	3 3	20 46	1 48	3 34	0 54	20 55	0 5	2 31	1 33	22 52	0 41	12 53	0 44	23 19	0 15	10 49	7 33	12 27	12 4	23 1			n.a.
F 3	19 27	20 29	1 50	21 3	1 30	3 4	0 59	21 3	0 4	2 31	1 33	22 51	0 41	12 52	0 44	23 20	0 15	10 49	7 33	12 28	12 5	22 59			n.a.
S 4	19 13	14 41	0 29	21 17	1 12	2 34	1 4	21 11	0 3	2 31	1 34	22 50	0 41	12 51	0 44	23 20	0 15	10 49	7 32	12 28	12 6	22 57			n.a.
S 5	18 58	8 8	0s53	21 31	0 55	2 4	1 10	21 19	0 2	2 30	1 34	22 49	0 41	12 49	0 44	23 20	0 15	10 50	7 32	12 28	12 7	22 55			n.a.
M 6	18 43	1 18	2 10	21 42	0 38	1 33	1 16	21 26	0 1	2 30	1 34	22 48	0 41	12 48	0 44	23 20	0 15	10 50	7 32	12 28	12 8	22 52			n.a.
T 7	18 28	5s23	3 16	21 51	0 22	1 3	1 21	21 34	0 0	2 30	1 34	22 47	0 41	12 47	0 44	23 20	0 15	10 50	7 31	12 27	12 9	22 50			n.a.
W 8	18 13	11 37	4 9	21 58	0 6	0 33	1 27	21 41	0n 1	2 29	1 35	22 45	0 41	12 45	0 44	23 20	0 15	10 50	7 31	12 27	12 10	22 48			n.a.
T 9	17 57	17 7	4 47	22 3	0n 9	0 3	1 33	21 48	0 2	2 29	1 35	22 44	0 41	12 44	0 44	23 20	0 15	10 51	7 31	12 27	12 12	22 46			n.a.
F 10	17 41	21 42	5 9	22 5	0 23	0s27	1 39	21 55	0 2	2 28	1 35	22 43	0 42	12 43	0 44	23 20	0 15	10 51	7 30	12 27	12 13	22 44			n.a.
S 11	17 25	25 11	5 16	22 5	0 35	0 57	1 44	22 2	0 3	2 27	1 35	22 42	0 42	12 41	0 44	23 20	0 15	10 52	7 30	12 27	12 14	22 41			n.a.
S 12	17 8	27 25	5 8	22 1	0 47	1 27	1 50	22 8	0 4	2 27	1 36	22 41	0 42	12 40	0 44	23 20	0 15	10 52	7 30	12 27	12 15	22 39			n.a.
M13	16 51	28 19	4 47	21 55	0 58	1 57	1 56	22 15	0 5	2 26	1 36	22 40	0 42	12 39	0 44	23 20	0 15	10 52	7 29	12 28	12 16	22 37			n.a.
T 14	16 34	27 53	4 13	21 46	1 8	2 27	2 2	22 21	0 6	2 25	1 36	22 39	0 42	12 38	0 44	23 20	0 15	10 53	7 29	12 29	12 17	22 35			n.a.
W15	16 16	26 10	3 28	21 34	1 16	2 57	2 8	22 27	0 7	2 24	1 36	22 38	0 42	12 36	0 44	23 21	0 15	10 53	7 29	12 29	12 18	22 32			n.a.
T 16	15 58	23 18	2 35	21 19	1 24	3 26	2 14	22 33	0 8	2 23	1 37	22 37	0 42	12 35	0 44	23 21	0 15	10 53	7 28	12 30	12 19	22 30			n.a.
F 17	15 40	19 27	1 35	21 2	1 31	3 56	2 21	22 39	0 9	2 22	1 37	22 36	0 42	12 34	0 44	23 21	0 15	10 54	7 28	12 30	12 20	22 28			n.a.
S 18	15 22	14 50	0 30	20 42	1 36	4 25	2 27	22 45	0 10	2 20	1 37	22 35	0 42	12 32	0 44	23 21	0 15	10 54	7 28	12 30	12 22	22 26			n.a.
S 19	15 3	9 38	0n36	20 20	1 41	4 54	2 33	22 50	0 11	2 19	1 37	22 34	0 43	12 31	0 44	23 21	0 15	10 55	7 27	12 30	12 23	22 23			n.a.
M20	14 44	4 3	1 41	19 55	1 45	5 23	2 39	22 56	0 12	2 18	1 38	22 33	0 43	12 30	0 44	23 21	0 15	10 55	7 27	12 30	12 24	22 21			n.a.
T 21	14 25	1n44	2 42	19 28	1 47	5 52	2 45	23 1	0 13	2 16	1 38	22 32	0 43	12 28	0 44	23 21	0 15	10 56	7 27	12 30	12 25	22 19			n.a.
W22	14 6	7 33	3 37	18 59	1 49	6 21	2 52	23 6	0 14	2 15	1 38	22 31	0 43	12 27	0 44	23 21	0 15	10 56	7 26	12 30	12 26	22 16			n.a.
T 23	13 46	13 9	4 22	18 28	1 51	6 49	2 58	23 11	0 15	2 13	1 38	22 30	0 43	12 26	0 44	23 21	0 15	10 56	7 26	12 30	12 27	22 14			n.a.
F 24	13 27	18 20	4 56	17 55	1 51	7 17	3 4	23 16	0 16	2 11	1 38	22 29	0 43	12 24	0 44	23 21	0 15	10 57	7 26	12 30	12 28	22 12			n.a.
S 25	13 7	22 47	5 14	17 20	1 51	7 45	3 10	23 20	0 17	2 10	1 39	22 27	0 43	12 23	0 44	23 21	0 15	10 57	7 25	12 30	12 29	22 10			n.a.
S 26	12 46	26 9	5 16	16 45	1 50	8 13	3 17	23 25	0 18	2 8	1 39	22 26	0 43	12 21	0 44	23 21	0 15	10 58	7 25	12 30	12 30	22 7			n.a.
M27	12 26	28 3	5 0	16 8	1 49	8 41	3 23	23 29	0 19	2 6	1 39	22 25	0 44	12 20	0 44	23 21	0 15	10 58	7 25	12 30	12 31	22 5			n.a.
T 28	12 5	28 10	4 25	15 29	1 47	9 8	3 29	23 33	0 20	2 4	1 39	22 24	0 44	12 19	0 44	23 21	0 15	10 59	7 24	12 30	12 33	22 3			n.a.
W29	11 44	26 21	3 33	14 50	1 44	9 35	3 35	23 37	0 21	2 2	1 39	22 23	0 44	12 17	0 44	23 21	0 15	10 59	7 24	12 30	12 34	22 0			n.a.
T 30	11 23	22 40	2 25	14 10	1 41	10 1	3 42	23 41	0 22	2 0	1 40	22 22	0 44	12 16	0 44	23 22	0 15	11 0	7 24	12 29	12 35	21 58			n.a.
F 31	11n 2	17n28	1n 6	13n28	1n38	10s28	3s48	23n45	0n23	1n58	1s40	22n21	0n44	12n15	0n44	23s22	0n15	11s 0	7n23	12s29	12s36	21s56			n.a.

Julian Day Number = 1550333.5, Delta T = 04h31m18s
Ecliptic obliquity = 23°45'14, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'30, Lahiri = -10°25'30 Julian Calendar 1 Aug. 469 BCE == Greg. Calendar 27 July 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

SEPTEMBER 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 18 36	2♍37'54	0♍30	0♍52	18♎22	20♊24	8°R36	23♋53	0♍14	6°R 9	20♏35	27°R32	27♒10	2♒42	n.a.	S 1
S 2	22 22 33	3°37'11	15°23	2°38	19°14	20°57	8♈30	23°59	0°18	6♑ 9	20°36	27♒32	27° 7	2°49	n.a.	S 2
M 3	22 26 29	4°36'30	0♎ 0	4°24	20° 4	21°30	8°25	24° 6	0°22	6° 8	20°37	27°31	27° 3	2°56	n.a.	M 3
T 4	22 30 26	5°35'50	14°15	6° 8	20°54	22° 3	8°19	24°12	0°26	6° 7	20°38	27°30	27° 0	3° 2	n.a.	T 4
W 5	22 34 22	6°35'13	28° 5	7°53	21°44	22°36	8°13	24°18	0°30	6° 7	20°39	27°29	26°57	3° 9	n.a.	W 5
T 6	22 38 19	7°34'37	11♏28	9°36	22°32	23° 9	8° 7	24°25	0°33	6° 6	20°40	27°28	26°54	3°16	n.a.	T 6
F 7	22 42 15	8°34'04	24°26	11°19	23°20	23°41	8° 1	24°31	0°37	6° 6	20°41	27°27	26°51	3°22	n.a.	F 7
S 8	22 46 12	9°33'32	7♐ 1	13° 0	24° 7	24°13	7°55	24°37	0°41	6° 5	20°42	27°D27	26°47	3°29	n.a.	S 8
S 9	22 50 8	10°33'02	19°18	14°41	24°53	24°45	7°49	24°43	0°45	6° 5	20°43	27°27	26°44	3°36	n.a.	S 9
M10	22 54 5	11°32'35	1♑21	16°22	25°38	25°17	7°42	24°49	0°48	6° 4	20°44	27°28	26°41	3°42	n.a.	M10
T 11	22 58 2	12°32'09	13°15	18° 1	26°22	25°49	7°36	24°55	0°52	6° 4	20°45	27°29	26°38	3°49	n.a.	T 11
W12	23 1 58	13°31'45	25° 4	19°40	27° 6	26°20	7°29	25° 1	0°56	6° 3	20°46	27°30	26°35	3°56	n.a.	W12
T 13	23 5 55	14°31'22	6♒53	21°18	27°48	26°52	7°22	25° 7	1° 0	6° 3	20°47	27°32	26°32	4° 2	n.a.	T 13
F 14	23 9 51	15°31'02	18°44	22°56	28°29	27°23	7°15	25°13	1° 3	6° 3	20°48	27°33	26°28	4° 9	n.a.	F 14
S 15	23 13 48	16°30'44	0♓41	24°33	29° 9	27°54	7° 8	25°18	1° 7	6° 2	20°49	27°R33	26°25	4°16	n.a.	S 15
S 16	23 17 44	17°30'28	12°47	26° 9	29°48	28°25	7° 1	25°24	1°11	6° 2	20°51	27°32	26°22	4°22	n.a.	S 16
M17	23 21 41	18°30'13	25° 3	27°44	0♏26	28°56	6°53	25°30	1°14	6° 2	20°52	27°30	26°19	4°29	n.a.	M17
T 18	23 25 37	19°30'01	7♈30	29°19	1° 3	29°26	6°46	25°35	1°18	6° 2	20°53	27°27	26°16	4°36	n.a.	T 18
W19	23 29 34	20°29'51	20°10	0♎54	1°38	29°56	6°38	25°41	1°22	6° 2	20°54	27°24	26°13	4°42	n.a.	W19
T 20	23 33 31	21°29'44	3♉ 3	2°27	2°12	0♋26	6°31	25°46	1°25	6° 1	20°56	27°20	26° 9	4°49	n.a.	T 20
F 21	23 37 27	22°29'38	16° 9	4° 1	2°45	0°56	6°23	25°51	1°29	6° 1	20°57	27°16	26° 6	4°56	n.a.	F 21
S 22	23 41 24	23°29'35	29°29	5°33	3°16	1°26	6°15	25°57	1°33	6° 1	20°59	27°14	26° 3	5° 2	n.a.	S 22
S 23	23 45 20	24°29'34	13♊ 4	7° 5	3°46	1°55	6° 7	26° 2	1°36	6°D 1	21° 0	27°12	26° 0	5° 9	n.a.	S 23
M24	23 49 17	25°29'36	26°53	8°37	4°14	2°25	6° 0	26° 7	1°40	6° 1	21° 1	27°D11	25°57	5°16	n.a.	M24
T 25	23 53 13	26°29'40	10♋57	10° 8	4°40	2°54	5°52	26°12	1°43	6° 1	21° 3	27°12	25°53	5°22	n.a.	T 25
W26	23 57 10	27°29'46	25°14	11°38	5° 5	3°22	5°44	26°17	1°47	6° 1	21° 4	27°13	25°50	5°29	n.a.	W26
T 27	0 1 6	28°29'54	9♌43	13° 8	5°28	3°51	5°36	26°22	1°50	6° 1	21° 6	27°15	25°47	5°36	n.a.	T 27
F 28	0 5 3	29°30'05	24°20	14°38	5°50	4°19	5°27	26°26	1°54	6° 2	21° 7	27°R16	25°44	5°42	n.a.	F 28
S 29	0 9 0	0♎30'18	8♍59	16° 7	6° 9	4°47	5°19	26°31	1°57	6° 2	21° 9	27°15	25°41	5°49	n.a.	S 29
S 30	0 12 56	1♎30'32	23♍35	17♎35	6♏27	5♋15	5♈11	26♋36	2♍ 1	6♑ 2	21♏10	27♒13	25♒38	5♒55	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n40	11n11	0s17	12n47	1n34	10s54	3s54	23n49	0n25	1n55	1s40	22n20	0n44	12n13	0n44	23s22	0n15	11s 1	7n23	12s29	12s37	21s53		n.a.
S 2	10 19	4 20	1 38	12 4	1 30	11 19	4 0	23 52	0 26	1 53	1 40	22 19	0 44	12 12	0 44	23 22	0 15	11 1	7 23	12 29	12 38	21 51		n.a.
M 3	9 57	2s36	2 51	11 21	1 26	11 45	4 7	23 55	0 27	1 51	1 40	22 18	0 44	12 11	0 44	23 22	0 15	11 2	7 22	12 30	12 39	21 49		n.a.
T 4	9 35	9 14	3 51	10 38	1 21	12 9	4 13	23 59	0 28	1 48	1 40	22 17	0 45	12 9	0 44	23 22	0 15	11 3	7 22	12 30	12 40	21 46		n.a.
W 5	9 13	15 13	4 36	9 54	1 16	12 34	4 19	24 2	0 29	1 46	1 41	22 16	0 45	12 8	0 44	23 22	0 15	11 3	7 22	12 30	12 41	21 44		n.a.
T 6	8 50	20 17	5 5	9 10	1 11	12 58	4 25	24 5	0 30	1 43	1 41	22 15	0 45	12 7	0 44	23 22	0 15	11 4	7 21	12 31	12 43	21 42		n.a.
F 7	8 28	24 14	5 17	8 25	1 5	13 22	4 31	24 7	0 31	1 41	1 41	22 14	0 45	12 5	0 44	23 22	0 15	11 4	7 21	12 31	12 44	21 39		n.a.
S 8	8 5	26 54	5 13	7 41	1 0	13 45	4 37	24 10	0 32	1 38	1 41	22 13	0 45	12 4	0 44	23 22	0 15	11 5	7 21	12 31	12 45	21 37		n.a.
S 9	7 42	28 12	4 54	6 56	0 54	14 8	4 43	24 12	0 34	1 36	1 41	22 12	0 45	12 3	0 44	23 22	0 15	11 5	7 20	12 31	12 46	21 34		n.a.
M10	7 20	28 8	4 23	6 11	0 48	14 30	4 49	24 15	0 35	1 33	1 41	22 11	0 45	12 1	0 44	23 22	0 15	11 6	7 20	12 31	12 47	21 32		n.a.
T 11	6 57	26 45	3 41	5 26	0 42	14 52	4 55	24 17	0 36	1 30	1 41	22 10	0 46	12 0	0 44	23 22	0 15	11 6	7 20	12 30	12 48	21 30		n.a.
W12	6 33	24 11	2 50	4 41	0 35	15 14	5 0	24 19	0 37	1 27	1 41	22 9	0 46	11 59	0 44	23 22	0 15	11 7	7 19	12 30	12 49	21 27		n.a.
T 13	6 10	20 36	1 52	3 56	0 29	15 34	5 6	24 21	0 38	1 25	1 41	22 9	0 46	11 57	0 44	23 22	0 15	11 8	7 19	12 29	12 50	21 25		n.a.
F 14	5 47	16 11	0 49	3 11	0 22	15 55	5 12	24 23	0 40	1 22	1 42	22 8	0 46	11 56	0 44	23 22	0 15	11 8	7 19	12 29	12 51	21 22		n.a.
S 15	5 23	11 6	0n17	2 26	0 16	16 15	5 17	24 25	0 41	1 19	1 42	22 7	0 46	11 55	0 44	23 22	0 15	11 9	7 18	12 29	12 52	21 20		n.a.
S 16	5 0	5 34	1 23	1 41	0 9	16 34	5 22	24 27	0 42	1 16	1 42	22 6	0 46	11 53	0 44	23 22	0 15	11 9	7 18	12 29	12 53	21 18		n.a.
M17	4 36	0n14	2 26	0 57	0 3	16 52	5 28	24 28	0 43	1 13	1 42	22 5	0 46	11 52	0 44	23 22	0 15	11 10	7 18	12 30	12 55	21 15		n.a.
T 18	4 13	6 7	3 23	0 13	0s 4	17 10	5 33	24 30	0 45	1 10	1 42	22 4	0 47	11 51	0 44	23 22	0 15	11 11	7 17	12 31	12 56	21 13		n.a.
W19	3 49	11 50	4 10	0s32	0 11	17 27	5 37	24 31	0 46	1 7	1 42	22 3	0 47	11 49	0 44	23 22	0 15	11 11	7 17	12 32	12 57	21 10		n.a.
T 20	3 25	17 10	4 46	1 16	0 18	17 44	5 42	24 32	0 47	1 4	1 42	22 2	0 47	11 48	0 44	23 22	0 14	11 12	7 17	12 33	12 58	21 8		n.a.
F 21	3 1	21 47	5 8	1 59	0 25	18 0	5 47	24 33	0 48	1 1	1 42	22 1	0 47	11 47	0 44	23 22	0 14	11 13	7 17	12 35	12 59	21 5		n.a.
S 22	2 37	25 24	5 14	2 43	0 31	18 15	5 51	24 35	0 50	0 57	1 42	22 1	0 47	11 45	0 44	23 22	0 14	11 13	7 16	12 36	13 0	21 3		n.a.
S 23	2 13	27 39	5 2	3 26	0 38	18 29	5 56	24 35	0 51	0 54	1 42	22 0	0 47	11 44	0 44	23 22	0 14	11 14	7 16	12 36	13 1	21 1		n.a.
M24	1 49	28 16	4 33	4 9	0 45	18 43	6 0	24 36	0 52	0 51	1 42	21 59	0 47	11 43	0 44	23 23	0 14	11 15	7 16	12 36	13 2	20 58		n.a.
T 25	1 25	27 4	3 47	4 51	0 51	18 56	6 3	24 37	0 54	0 48	1 42	21 58	0 48	11 42	0 44	23 23	0 14	11 15	7 15	12 36	13 3	20 56		n.a.
W26	1 1	24 6	2 47	5 33	0 58	19 8	6 7	24 38	0 55	0 45	1 42	21 57	0 48	11 40	0 45	23 23	0 14	11 16	7 15	12 36	13 4	20 53		n.a.
T 27	0 36	19 34	1 35	6 15	1 5	19 19	6 10	24 38	0 57	0 41	1 42	21 57	0 48	11 39	0 45	23 23	0 14	11 17	7 15	12 35	13 5	20 51		n.a.
F 28	0 12	13 50	0 16	6 56	1 11	19 29	6 13	24 39	0 58	0 38	1 42	21 56	0 48	11 38	0 45	23 23	0 14	11 17	7 14	12 35	13 7	20 48		n.a.
S 29	0s12	7 19	1s 4	7 36	1 17	19 39	6 16	24 39	0 59	0 35	1 42	21 55	0 48	11 37	0 45	23 23	0 14	11 18	7 14	12 35	13 8	20 46		n.a.
S 30	0s36	0n28	2s19	8s17	1s24	19s47	6s19	24n40	1n 1	0n32	1s42	21n54	0n48	11n35	0n45	23s23	0n14	11s19	7n14	12s36	13s 9	20s43		n.a.

Julian Day Number = 1550364.5, Delta T = 04h31m17s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'26, Lahiri = -10°25'26 Julian Calendar 1 Sept. 469 BCE == Greg. Calendar 27 Aug. 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

OCTOBER 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 16 53	2♎30'49	8♎ 1	19♎ 3	6♏42	5♋43	5°R 3	26♋40	2♍ 4	6♑ 2	21♏12	27°R 9	25♒34	6♒ 2	n.a.	M 1
T 2	0 20 49	3°31'07	22°11	20°30	6°56	6°10	4♈55	26°45	2° 8	6° 3	21°14	27♒ 4	25°31	6° 9	n.a.	T 2
W 3	0 24 46	4°31'27	6♏ 1	21°57	7° 7	6°37	4°47	26°49	2°11	6° 3	21°15	26°57	25°28	6°15	n.a.	W 3
T 4	0 28 42	5°31'49	19°26	23°23	7°17	7° 4	4°39	26°53	2°14	6° 3	21°17	26°51	25°25	6°22	n.a.	T 4
F 5	0 32 39	6°32'13	2♐28	24°48	7°24	7°31	4°30	26°57	2°18	6° 4	21°19	26°45	25°22	6°29	n.a.	F 5
S 6	0 36 35	7°32'38	15° 7	26°13	7°29	7°57	4°22	27° 2	2°21	6° 4	21°20	26°41	25°19	6°35	n.a.	S 6
S 7	0 40 32	8°33'05	27°26	27°37	7°31	8°23	4°14	27° 6	2°24	6° 4	21°22	26°39	25°15	6°42	n.a.	S 7
M 8	0 44 28	9°33'33	9♑30	29° 0	7°R31	8°49	4° 6	27° 9	2°27	6° 5	21°24	26°D38	25°12	6°49	n.a.	M 8
T 9	0 48 25	10°34'03	21°23	0♏22	7°29	9°14	3°58	27°13	2°31	6° 5	21°26	26°38	25° 9	6°55	n.a.	T 9
W10	0 52 22	11°34'34	3♒12	1°43	7°24	9°39	3°50	27°17	2°34	6° 6	21°28	26°40	25° 6	7° 2	n.a.	W10
T 11	0 56 18	12°35'07	15° 1	3° 3	7°17	10° 4	3°42	27°21	2°37	6° 7	21°29	26°41	25° 3	7° 9	n.a.	T 11
F 12	1 0 15	13°35'41	26°54	4°21	7° 7	10°28	3°34	27°24	2°40	6° 7	21°31	26°R42	24°59	7°15	n.a.	F 12
S 13	1 4 11	14°36'16	8♓57	5°39	6°55	10°53	3°26	27°28	2°43	6° 8	21°33	26°41	24°56	7°22	n.a.	S 13
S 14	1 8 8	15°36'53	21°12	6°54	6°40	11°16	3°18	27°31	2°46	6° 9	21°35	26°38	24°53	7°29	n.a.	S 14
M15	1 12 4	16°37'31	3♈43	8° 8	6°23	11°40	3°11	27°34	2°49	6° 9	21°37	26°33	24°50	7°35	n.a.	M15
T 16	1 16 1	17°38'11	16°29	9°20	6° 4	12° 3	3° 3	27°37	2°52	6°10	21°39	26°25	24°47	7°42	n.a.	T 16
W17	1 19 57	18°38'52	29°31	10°30	5°42	12°26	2°55	27°40	2°55	6°11	21°41	26°16	24°44	7°49	n.a.	W17
T 18	1 23 54	19°39'35	12♉48	11°37	5°19	12°49	2°48	27°43	2°58	6°12	21°43	26° 6	24°40	7°55	n.a.	T 18
F 19	1 27 51	20°40'19	26°17	12°42	4°53	13°11	2°40	27°46	3° 1	6°12	21°45	25°57	24°37	8° 2	n.a.	F 19
S 20	1 31 47	21°41'06	9♊58	13°43	4°25	13°33	2°33	27°49	3° 4	6°13	21°47	25°49	24°34	8° 9	n.a.	S 20
S 21	1 35 44	22°41'54	23°46	14°40	3°55	13°54	2°26	27°52	3° 7	6°14	21°49	25°43	24°31	8°15	n.a.	S 21
M22	1 39 40	23°42'43	7♋42	15°34	3°24	14°15	2°19	27°54	3° 9	6°15	21°51	25°40	24°28	8°22	n.a.	M22
T 23	1 43 37	24°43'34	21°43	16°22	2°52	14°36	2°12	27°57	3°12	6°16	21°53	25°D38	24°24	8°28	n.a.	T 23
W24	1 47 33	25°44'27	5♌49	17° 5	2°18	14°56	2° 5	27°59	3°15	6°17	21°55	25°39	24°21	8°35	n.a.	W24
T 25	1 51 30	26°45'21	19°58	17°42	1°43	15°16	1°58	28° 1	3°17	6°18	21°57	25°R39	24°18	8°42	n.a.	T 25
F 26	1 55 26	27°46'17	4♍ 9	18°13	1° 8	15°36	1°52	28° 3	3°20	6°19	21°59	25°39	24°15	8°48	n.a.	F 26
S 27	1 59 23	28°47'14	18°21	18°35	0°32	15°55	1°45	28° 5	3°23	6°20	22° 1	25°37	24°12	8°55	n.a.	S 27
S 28	2 3 20	29°48'13	2♎31	18°50	29♎55	16°13	1°39	28° 7	3°25	6°22	22° 3	25°32	24° 9	9° 2	n.a.	S 28
M29	2 7 16	0♏49'13	16°33	18°R55	29°19	16°32	1°32	28° 9	3°28	6°23	22° 5	25°24	24° 5	9° 8	n.a.	M29
T 30	2 11 13	1°50'14	0♏25	18°50	28°43	16°49	1°26	28°11	3°30	6°24	22° 7	25°14	24° 2	9°15	n.a.	T 30
W31	2 15 9	2♏51'17	14♏ 1	18♏34	28♎ 7	17♋ 7	1♈20	28♋12	3♍32	6♑25	22♏ 9	25♒ 3	23♒59	9♒22	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	1s 1	6s20	3s24	8s56	1s30	19s54	6s21	24n40	1n 2	0n29	1s42	21n54	0n49	11n34	0n45	23s23	0n14	11s19	7n14	12s37	13s10	20s41			n.a.
T 2	1 25	12 41	4 15	9 35	1 36	20 1	6 23	24 40	1 4	0 25	1 42	21 53	0 49	11 33	0 45	23 23	0 14	11 20	7 13	12 39	13 11	20 38			n.a.
W 3	1 49	18 15	4 50	10 14	1 42	20 6	6 24	24 40	1 5	0 22	1 42	21 52	0 49	11 32	0 45	23 23	0 14	11 21	7 13	12 41	13 12	20 36			n.a.
T 4	2 13	22 45	5 8	10 51	1 47	20 10	6 25	24 40	1 7	0 19	1 42	21 51	0 49	11 30	0 45	23 23	0 14	11 21	7 13	12 43	13 13	20 33			n.a.
F 5	2 38	25 58	5 9	11 28	1 53	20 13	6 26	24 40	1 8	0 16	1 42	21 51	0 49	11 29	0 45	23 23	0 14	11 22	7 13	12 45	13 14	20 31			n.a.
S 6	3 2	27 47	4 55	12 5	1 58	20 15	6 26	24 40	1 10	0 12	1 42	21 50	0 49	11 28	0 45	23 23	0 14	11 23	7 12	12 47	13 15	20 28			n.a.
S 7	3 26	28 11	4 27	12 40	2 3	20 15	6 25	24 40	1 11	0 9	1 42	21 50	0 50	11 27	0 45	23 23	0 14	11 23	7 12	12 48	13 16	20 26			n.a.
M 8	3 50	27 12	3 48	13 15	2 8	20 14	6 24	24 40	1 13	0 6	1 41	21 49	0 50	11 26	0 45	23 23	0 14	11 24	7 12	12 48	13 17	20 23			n.a.
T 9	4 14	24 59	3 0	13 49	2 12	20 12	6 23	24 40	1 14	0 3	1 41	21 48	0 50	11 25	0 45	23 23	0 14	11 25	7 12	12 48	13 18	20 21			n.a.
W10	4 38	21 42	2 4	14 21	2 17	20 9	6 21	24 40	1 16	0s 0	1 41	21 48	0 50	11 24	0 45	23 23	0 14	11 25	7 11	12 47	13 20	20 18			n.a.
T 11	5 2	17 33	1 3	14 53	2 21	20 4	6 19	24 39	1 17	0 3	1 41	21 47	0 50	11 22	0 45	23 23	0 14	11 26	7 11	12 47	13 21	20 16			n.a.
F 12	5 26	12 41	0n 1	15 24	2 24	19 58	6 16	24 39	1 19	0 6	1 41	21 47	0 50	11 21	0 45	23 23	0 14	11 27	7 11	12 47	13 22	20 13			n.a.
S 13	5 50	7 18	1 6	15 53	2 28	19 50	6 12	24 39	1 21	0 9	1 41	21 46	0 51	11 20	0 45	23 23	0 14	11 27	7 11	12 47	13 23	20 11			n.a.
S 14	6 13	1 34	2 8	16 22	2 30	19 41	6 7	24 38	1 22	0 12	1 41	21 46	0 51	11 19	0 45	23 23	0 14	11 28	7 10	12 48	13 24	20 8			n.a.
M15	6 37	4n20	3 6	16 48	2 33	19 30	6 2	24 38	1 24	0 15	1 41	21 45	0 51	11 18	0 45	23 23	0 14	11 29	7 10	12 50	13 25	20 5			n.a.
T 16	7 1	10 10	3 55	17 14	2 34	19 18	5 57	24 37	1 26	0 18	1 40	21 45	0 51	11 17	0 45	23 23	0 14	11 30	7 10	12 52	13 26	20 3			n.a.
W17	7 24	15 42	4 33	17 38	2 36	19 5	5 50	24 37	1 27	0 21	1 40	21 44	0 51	11 16	0 45	23 23	0 14	11 30	7 10	12 55	13 27	20 0			n.a.
T 18	7 47	20 35	4 57	18 0	2 37	18 50	5 43	24 36	1 29	0 24	1 40	21 44	0 52	11 15	0 45	23 23	0 14	11 31	7 9	12 59	13 28	19 58			n.a.
F 19	8 10	24 31	5 5	18 20	2 37	18 33	5 35	24 36	1 31	0 27	1 40	21 43	0 52	11 14	0 45	23 22	0 14	11 32	7 9	13 2	13 29	19 55			n.a.
S 20	8 34	27 7	4 56	18 38	2 36	18 16	5 26	24 35	1 33	0 30	1 40	21 43	0 52	11 13	0 45	23 22	0 14	11 32	7 9	13 5	13 30	19 53			n.a.
S 21	8 57	28 6	4 30	18 54	2 34	17 57	5 17	24 35	1 35	0 32	1 39	21 43	0 52	11 12	0 45	23 22	0 14	11 33	7 9	13 7	13 31	19 50			n.a.
M22	9 19	27 19	3 47	19 8	2 32	17 36	5 7	24 35	1 36	0 35	1 39	21 42	0 52	11 11	0 45	23 22	0 14	11 34	7 9	13 8	13 32	19 47			n.a.
T 23	9 42	24 47	2 51	19 19	2 29	17 15	4 56	24 34	1 38	0 38	1 39	21 42	0 52	11 10	0 45	23 22	0 14	11 35	7 8	13 8	13 34	19 45			n.a.
W24	10 5	20 45	1 44	19 28	2 25	16 52	4 44	24 34	1 40	0 40	1 39	21 42	0 53	11 9	0 45	23 22	0 14	11 35	7 8	13 8	13 35	19 42			n.a.
T 25	10 27	15 30	0 30	19 33	2 19	16 28	4 32	24 33	1 42	0 43	1 39	21 42	0 53	11 8	0 45	23 22	0 14	11 36	7 8	13 8	13 36	19 40			n.a.
F 26	10 49	9 25	0s45	19 36	2 12	16 4	4 20	24 33	1 44	0 45	1 38	21 41	0 53	11 7	0 45	23 22	0 14	11 37	7 8	13 8	13 37	19 37			n.a.
S 27	11 11	2 51	1 58	19 35	2 4	15 38	4 6	24 32	1 46	0 48	1 38	21 41	0 53	11 6	0 45	23 22	0 14	11 37	7 8	13 9	13 38	19 34			n.a.
S 28	11 33	3s48	3 3	19 30	1 55	15 13	3 53	24 32	1 48	0 50	1 38	21 41	0 53	11 5	0 45	23 22	0 14	11 38	7 7	13 11	13 39	19 32			n.a.
M29	11 55	10 13	3 56	19 21	1 44	14 46	3 38	24 32	1 50	0 52	1 38	21 41	0 54	11 4	0 45	23 22	0 14	11 39	7 7	13 13	13 40	19 29			n.a.
T 30	12 16	16 3	4 35	19 7	1 32	14 19	3 24	24 31	1 52	0 54	1 37	21 40	0 54	11 4	0 45	23 22	0 14	11 39	7 7	13 17	13 41	19 27			n.a.
W31	12s37	20s58	4s57	18s49	1s18	13s53	3s 9	24n31	1n54	0s57	1s37	21n40	0n54	11n 3	0n45	23s22	0n14	11s40	7n 7	13s21	13s42	19s24			n.a.

Julian Day Number = 1550394.5, Delta T = 04h31m16s
Ecliptic obliquity = 23°45'15, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'22, Lahiri = -10°25'22 Julian Calendar 1 Oct. 469 BCE == Greg. Calendar 26 Sept. 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

NOVEMBER 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 19 6	3♏52'20	27♏19	18°R 8	27°R32	17♋23	1°R15	28♋14	3♍35	6♉26	22♏12	24°R50	23♒56	9♒28	n.a.	T 1
F 2	2 23 2	4°53'24	10♐17	17♏30	26♎59	17°40	1♈ 9	28°15	3°37	6°28	22°14	24♒39	23°53	9°35	n.a.	F 2
S 3	2 26 59	5°54'30	22°55	16°41	26°26	17°56	1° 4	28°17	3°39	6°29	22°16	24°29	23°50	9°42	n.a.	S 3
S 4	2 30 55	6°55'36	5♉14	15°42	25°54	18°11	0°58	28°18	3°41	6°30	22°18	24°22	23°46	9°48	n.a.	S 4
M 5	2 34 52	7°56'42	17°18	14°34	25°25	18°26	0°53	28°19	3°44	6°32	22°20	24°18	23°43	9°55	n.a.	M 5
T 6	2 38 49	8°57'49	29°12	13°19	24°57	18°40	0°48	28°20	3°46	6°33	22°22	24°16	23°40	10° 2	n.a.	T 6
W 7	2 42 45	9°58'57	11♒ 0	11°58	24°30	18°54	0°44	28°21	3°48	6°35	22°25	24°D15	23°37	10° 8	n.a.	W 7
T 8	2 46 42	11° 0'05	22°48	10°35	24° 6	19° 7	0°39	28°21	3°50	6°36	22°27	24°R16	23°34	10°15	n.a.	T 8
F 9	2 50 38	12° 1'14	4♓42	9°13	23°44	19°20	0°35	28°22	3°52	6°37	22°29	24°15	23°30	10°22	n.a.	F 9
S 10	2 54 35	13° 2'23	16°47	7°54	23°25	19°32	0°31	28°22	3°54	6°39	22°31	24°13	23°27	10°28	n.a.	S 10
S 11	2 58 31	14° 3'33	29° 8	6°41	23° 7	19°43	0°27	28°23	3°56	6°40	22°33	24° 9	23°24	10°35	n.a.	S 11
M12	3 2 28	15° 4'43	11♈48	5°35	22°52	19°54	0°23	28°23	3°57	6°42	22°36	24° 1	23°21	10°41	n.a.	M12
T 13	3 6 24	16° 5'54	24°48	4°39	22°40	20° 4	0°19	28°23	3°59	6°44	22°38	23°51	23°18	10°48	n.a.	T 13
W14	3 10 21	17° 7'05	8♉10	3°53	22°30	20°14	0°16	28°R23	4° 1	6°45	22°40	23°39	23°15	10°55	n.a.	W14
T 15	3 14 18	18° 8'16	21°52	3°19	22°23	20°23	0°13	28°23	4° 3	6°47	22°42	23°26	23°11	11° 1	n.a.	T 15
F 16	3 18 14	19° 9'28	5♊49	2°55	22°18	20°32	0°10	28°23	4° 4	6°49	22°44	23°13	23° 8	11° 8	n.a.	F 16
S 17	3 22 11	20°10'41	19°57	2°42	22°D15	20°40	0° 7	28°23	4° 6	6°50	22°47	23° 2	23° 5	11°15	n.a.	S 17
S 18	3 26 7	21°11'55	4♋11	2°D40	22°15	20°47	0° 4	28°22	4° 7	6°52	22°49	22°54	23° 2	11°21	n.a.	S 18
M19	3 30 4	22°13'09	18°27	2°47	22°18	20°53	0° 2	28°22	4° 9	6°54	22°51	22°48	22°59	11°28	n.a.	M19
T 20	3 34 0	23°14'23	2♌40	3° 3	22°23	20°59	29♓59	28°21	4°10	6°55	22°53	22°45	22°56	11°35	n.a.	T 20
W21	3 37 57	24°15'38	16°48	3°27	22°30	21° 4	29°57	28°21	4°11	6°57	22°56	22°45	22°52	11°41	n.a.	W21
T 22	3 41 54	25°16'54	0♍51	3°58	22°39	21° 9	29°56	28°20	4°13	6°59	22°58	22°45	22°49	11°48	n.a.	T 22
F 23	3 45 50	26°18'10	14°48	4°36	22°51	21°12	29°54	28°19	4°14	7° 1	23° 0	22°44	22°46	11°55	n.a.	F 23
S 24	3 49 47	27°19'26	28°39	5°19	23° 5	21°15	29°53	28°18	4°15	7° 3	23° 2	22°41	22°43	12° 1	n.a.	S 24
S 25	3 53 43	28°20'43	12♎23	6° 8	23°21	21°18	29°51	28°17	4°16	7° 4	23° 5	22°35	22°40	12° 8	n.a.	S 25
M26	3 57 40	29°22'01	25°58	7° 1	23°40	21°19	29°50	28°15	4°17	7° 6	23° 7	22°27	22°36	12°15	n.a.	M26
T 27	4 1 36	0♐23'18	9♏24	7°59	24° 0	21°R20	29°50	28°14	4°18	7° 8	23° 9	22°15	22°33	12°21	n.a.	T 27
W28	4 5 33	1°24'36	22°38	9° 0	24°22	21°20	29°49	28°12	4°19	7°10	23°11	22° 2	22°30	12°28	n.a.	W28
T 29	4 9 29	2°25'54	5♐38	10° 4	24°46	21°19	29°49	28°11	4°20	7°12	23°13	21°48	22°27	12°35	n.a.	T 29
F 30	4 13 26	3♐27'11	18♐23	11♏11	25♎12	21♋17	29°D49	28♋ 9	4♍21	7♉14	23♏16	21♒35	22♒24	12♒41	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s58	24s43	5s 2	18s27	1s 2	13s26	2s54	24n31	1n56	0s59	1s37	21n40	0n54	11n 2	0n46	23s22	0n14	11s41	7n 7	13s25	13s43	19s21		n.a.
F 2	13 19	27 5	4 51	18 0	0 45	12 59	2 38	24 31	1 58	1 1	1 37	21 40	0 54	11 1	0 46	23 22	0 14	11 42	7 7	13 29	13 44	19 19		n.a.
S 3	13 40	28 0	4 26	17 28	0 27	12 32	2 23	24 31	2 0	1 3	1 36	21 40	0 55	11 0	0 46	23 22	0 14	11 42	7 6	13 32	13 45	19 16		n.a.
S 4	14 0	27 28	3 49	16 52	0 7	12 6	2 7	24 31	2 2	1 4	1 36	21 40	0 55	10 59	0 46	23 22	0 14	11 43	7 6	13 34	13 46	19 13		n.a.
M 5	14 20	25 38	3 3	16 13	0n13	11 41	1 51	24 31	2 4	1 6	1 36	21 40	0 55	10 59	0 46	23 22	0 14	11 44	7 6	13 36	13 47	19 11		n.a.
T 6	14 40	22 41	2 9	15 31	0 33	11 16	1 36	24 31	2 6	1 8	1 36	21 40	0 55	10 58	0 46	23 22	0 14	11 44	7 6	13 36	13 48	19 8		n.a.
W 7	15 0	18 49	1 10	14 46	0 54	10 52	1 20	24 31	2 8	1 10	1 35	21 40	0 55	10 57	0 46	23 22	0 14	11 45	7 6	13 37	13 49	19 6		n.a.
T 8	15 19	14 13	0 8	14 2	1 14	10 28	1 5	24 31	2 11	1 11	1 35	21 40	0 56	10 57	0 46	23 22	0 14	11 46	7 6	13 37	13 51	19 3		n.a.
F 9	15 39	9 3	0n55	13 18	1 32	10 6	0 50	24 32	2 13	1 13	1 35	21 40	0 56	10 56	0 46	23 22	0 13	11 46	7 6	13 37	13 52	19 0		n.a.
S 10	15 57	3 30	1 56	12 36	1 49	9 45	0 35	24 32	2 15	1 14	1 34	21 40	0 56	10 55	0 46	23 22	0 13	11 47	7 5	13 37	13 53	18 58		n.a.
S 11	16 16	2n18	2 53	11 58	2 5	9 25	0 20	24 33	2 17	1 15	1 34	21 40	0 56	10 55	0 46	23 22	0 13	11 48	7 5	13 39	13 54	18 55		n.a.
M12	16 34	8 8	3 43	11 24	2 18	9 6	0 6	24 33	2 20	1 17	1 34	21 40	0 56	10 54	0 46	23 21	0 13	11 48	7 5	13 41	13 55	18 52		n.a.
T 13	16 52	13 48	4 23	10 54	2 29	8 49	0n 8	24 34	2 22	1 18	1 33	21 41	0 56	10 53	0 46	23 21	0 13	11 49	7 5	13 45	13 56	18 50		n.a.
W14	17 10	18 58	4 49	10 31	2 37	8 32	0 21	24 35	2 24	1 19	1 33	21 41	0 57	10 53	0 46	23 21	0 13	11 50	7 5	13 49	13 57	18 47		n.a.
T 15	17 27	23 17	5 0	10 13	2 44	8 17	0 34	24 36	2 27	1 20	1 33	21 41	0 57	10 52	0 46	23 21	0 13	11 50	7 5	13 53	13 58	18 44		n.a.
F 16	17 44	26 22	4 53	10 0	2 48	8 4	0 47	24 37	2 29	1 21	1 32	21 41	0 57	10 52	0 46	23 21	0 13	11 51	7 5	13 57	13 59	18 41		n.a.
S 17	18 1	27 49	4 28	9 54	2 51	7 52	0 59	24 38	2 31	1 22	1 32	21 41	0 57	10 51	0 46	23 21	0 13	11 52	7 5	14 1	14 0	18 39		n.a.
S 18	18 18	27 28	3 46	9 52	2 52	7 41	1 11	24 39	2 34	1 22	1 32	21 42	0 57	10 51	0 46	23 21	0 13	11 52	7 4	14 4	14 1	18 36		n.a.
M19	18 34	25 17	2 50	9 55	2 52	7 31	1 22	24 41	2 36	1 23	1 32	21 42	0 58	10 50	0 46	23 21	0 13	11 53	7 4	14 6	14 2	18 33		n.a.
T 20	18 50	21 31	1 44	10 2	2 50	7 23	1 33	24 42	2 39	1 24	1 31	21 42	0 58	10 50	0 46	23 21	0 13	11 54	7 4	14 7	14 3	18 31		n.a.
W21	19 5	16 30	0 31	10 13	2 47	7 16	1 43	24 44	2 41	1 24	1 31	21 43	0 58	10 49	0 46	23 21	0 13	11 54	7 4	14 7	14 4	18 28		n.a.
T 22	19 20	10 39	0s43	10 27	2 43	7 11	1 53	24 46	2 44	1 25	1 31	21 43	0 58	10 49	0 46	23 21	0 13	11 55	7 4	14 7	14 5	18 25		n.a.
F 23	19 35	4 19	1 54	10 44	2 39	7 6	2 3	24 48	2 46	1 25	1 30	21 43	0 58	10 48	0 46	23 21	0 13	11 56	7 4	14 7	14 6	18 23		n.a.
S 24	19 49	2s10	2 57	11 3	2 33	7 3	2 12	24 50	2 49	1 25	1 30	21 44	0 59	10 48	0 46	23 21	0 13	11 56	7 4	14 8	14 7	18 20		n.a.
S 25	20 3	8 29	3 50	11 25	2 28	7 1	2 20	24 52	2 51	1 25	1 30	21 44	0 59	10 47	0 46	23 21	0 13	11 57	7 4	14 10	14 8	18 17		n.a.
M26	20 17	14 20	4 29	11 49	2 21	7 0	2 29	24 54	2 54	1 25	1 29	21 45	0 59	10 47	0 47	23 20	0 13	11 57	7 4	14 13	14 10	18 14		n.a.
T 27	20 30	19 26	4 53	12 14	2 15	7 1	2 36	24 56	2 57	1 25	1 29	21 45	0 59	10 47	0 47	23 20	0 13	11 58	7 4	14 17	14 11	18 12		n.a.
W28	20 43	23 30	5 0	12 40	2 7	7 2	2 44	24 59	2 59	1 25	1 28	21 46	0 59	10 46	0 47	23 20	0 13	11 59	7 4	14 21	14 12	18 9		n.a.
T 29	20 55	26 18	4 52	13 8	2 0	7 4	2 50	25 2	3 2	1 25	1 28	21 46	1 0	10 46	0 47	23 20	0 13	11 59	7 4	14 25	14 13	18 6		n.a.
F 30	21s 7	27s42	4s29	13s36	1n53	7s 8	2n57	25n 5	3n 4	1s25	1s28	21n47	1n 0	10n46	0n47	23s20	0n13	12s 0	7n 3	14s30	14s14	18s 3		n.a.

Julian Day Number = 1550425.5, Delta T = 04h31m15s
Ecliptic obliquity = 23°45'14, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'18, Lahiri = -10°25'17 Julian Calendar 1 Nov. 469 BCE == Greg. Calendar 27 Oct. 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 469 BCE
geocentric

DECEMBER 469 BCE (-468) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 17 23	4♐28'29	0♑52	12♏21	25♎39	21°R15	29♓49	28°R 7	4♍22	7♑16	23♏18	21°R24	22♒21	12♒48	n.a.	S 1
S 2	4 21 19	5°29'46	13° 6	13°32	26° 8	21♋12	29°49	28♋ 5	4°23	7°18	23°20	21♒15	22°17	12°54	n.a.	S 2
M 3	4 25 16	6°31'03	25° 8	14°46	26°39	21° 8	29°49	28° 3	4°23	7°20	23°22	21° 9	22°14	13° 1	n.a.	M 3
T 4	4 29 12	7°32'20	7♒ 1	16° 2	27°11	21° 3	29°50	28° 1	4°24	7°22	23°24	21° 6	22°11	13° 8	n.a.	T 4
W 5	4 33 9	8°33'35	18°48	17°19	27°45	20°58	29°51	27°59	4°25	7°24	23°27	21°D 5	22° 8	13°14	n.a.	W 5
T 6	4 37 5	9°34'51	0♓35	18°37	28°20	20°51	29°52	27°57	4°25	7°26	23°29	21° 5	22° 5	13°21	n.a.	T 6
F 7	4 41 2	10°36'05	12°28	19°57	28°57	20°44	29°53	27°54	4°26	7°28	23°31	21°R 6	22° 2	13°28	n.a.	F 7
S 8	4 44 59	11°37'19	24°31	21°18	29°34	20°36	29°55	27°52	4°26	7°30	23°33	21° 5	21°58	13°34	n.a.	S 8
S 9	4 48 55	12°38'33	6♈51	22°40	0♏13	20°27	29°57	27°49	4°26	7°32	23°35	21° 2	21°55	13°41	n.a.	S 9
M10	4 52 52	13°39'45	19°32	24° 3	0°54	20°17	29°59	27°46	4°27	7°35	23°37	20°57	21°52	13°48	n.a.	M10
T 11	4 56 48	14°40'57	2♉38	25°27	1°35	20° 7	0♈ 1	27°44	4°27	7°37	23°39	20°49	21°49	13°54	n.a.	T 11
W12	5 0 45	15°42'08	16° 9	26°52	2°18	19°56	0° 3	27°41	4°27	7°39	23°42	20°39	21°46	14° 1	n.a.	W12
T 13	5 4 41	16°43'19	0♊ 6	28°17	3° 2	19°44	0° 6	27°38	4°27	7°41	23°44	20°28	21°42	14° 8	n.a.	T 13
F 14	5 8 38	17°44'29	14°24	29°44	3°46	19°31	0° 8	27°35	4°27	7°43	23°46	20°18	21°39	14°14	n.a.	F 14
S 15	5 12 34	18°45'38	28°57	1♐11	4°32	19°18	0°11	27°32	4°R27	7°45	23°48	20° 8	21°36	14°21	n.a.	S 15
S 16	5 16 31	19°46'47	13♋39	2°38	5°19	19° 3	0°14	27°28	4°27	7°47	23°50	20° 1	21°33	14°28	n.a.	S 16
M17	5 20 28	20°47'55	28°22	4° 7	6° 6	18°48	0°18	27°25	4°27	7°50	23°52	19°56	21°30	14°34	n.a.	M17
T 18	5 24 24	21°49'02	12♌58	5°36	6°55	18°33	0°21	27°22	4°27	7°52	23°54	19°55	21°27	14°41	n.a.	T 18
W19	5 28 21	22°50'09	27°25	7° 6	7°44	18°16	0°25	27°18	4°27	7°54	23°56	19°D55	21°23	14°47	n.a.	W19
T 20	5 32 17	23°51'15	11♍37	8°36	8°34	17°59	0°29	27°15	4°27	7°56	23°58	19°55	21°20	14°54	n.a.	T 20
F 21	5 36 14	24°52'20	25°35	10° 7	9°25	17°41	0°33	27°11	4°26	7°59	24° 0	19°R56	21°17	15° 1	n.a.	F 21
S 22	5 40 10	25°53'25	9♎18	11°39	10°17	17°23	0°37	27° 7	4°26	8° 1	24° 2	19°55	21°14	15° 7	n.a.	S 22
S 23	5 44 7	26°54'29	22°47	13°11	11°10	17° 3	0°41	27° 4	4°25	8° 3	24° 4	19°52	21°11	15°14	n.a.	S 23
M24	5 48 4	27°55'33	6♏ 2	14°44	12° 3	16°44	0°46	27° 0	4°25	8° 5	24° 6	19°46	21° 8	15°21	n.a.	M24
T 25	5 52 0	28°56'36	19° 5	16°18	12°56	16°23	0°51	26°56	4°24	8° 8	24° 8	19°39	21° 4	15°27	n.a.	T 25
W26	5 55 57	29°57'38	1♐56	17°52	13°51	16° 3	0°56	26°52	4°24	8°10	24°10	19°30	21° 1	15°34	n.a.	W26
T 27	5 59 53	0♑58'39	14°35	19°27	14°46	15°41	1° 1	26°48	4°23	8°12	24°12	19°20	20°58	15°41	n.a.	T 27
F 28	6 3 50	1°59'39	27° 2	21° 2	15°42	15°20	1° 6	26°44	4°22	8°14	24°13	19°11	20°55	15°47	n.a.	F 28
S 29	6 7 46	3° 0'38	9♑17	22°38	16°38	14°57	1°12	26°39	4°22	8°17	24°15	19° 3	20°52	15°54	n.a.	S 29
S 30	6 11 43	4° 1'35	21°23	24°15	17°35	14°35	1°18	26°35	4°21	8°19	24°17	18°57	20°48	16° 1	n.a.	S 30
M31	6 15 39	5♑ 2'32	3♒19	25♐53	18♏32	14♋12	1♈24	26♋31	4♍20	8♑21	24♏19	18♒54	20♒45	16♒ 7	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s19	27s38	3s53	14s 5	1n45	7s12	3n 3	25n 8	3n 7	1s25	1s27	21n47	1n 0	10n46	0n47	23s20	0n13	12s 0	7n 3	14s33	14s15	18s 1		n.a.
S 2	21 30	26 12	3 7	14 34	1 37	7 18	3 9	25 11	3 10	1 24	1 27	21 48	1 0	10 45	0 47	23 20	0 13	12 1	7 3	14 36	14 16	17 58		n.a.
M 3	21 41	23 34	2 13	15 4	1 29	7 24	3 14	25 14	3 12	1 24	1 27	21 48	1 0	10 45	0 47	23 20	0 13	12 2	7 3	14 38	14 17	17 55		n.a.
T 4	21 51	19 57	1 14	15 33	1 21	7 31	3 19	25 17	3 15	1 23	1 26	21 49	1 1	10 45	0 47	23 20	0 13	12 2	7 3	14 39	14 18	17 52		n.a.
W 5	22 1	15 35	0 12	16 3	1 13	7 39	3 24	25 21	3 17	1 22	1 26	21 50	1 1	10 45	0 47	23 20	0 13	12 3	7 3	14 39	14 19	17 50		n.a.
T 6	22 11	10 38	0n50	16 33	1 5	7 47	3 28	25 24	3 20	1 22	1 26	21 50	1 1	10 45	0 47	23 19	0 13	12 3	7 3	14 39	14 20	17 47		n.a.
F 7	22 20	5 16	1 51	17 3	0 57	7 56	3 32	25 28	3 23	1 21	1 25	21 51	1 1	10 44	0 47	23 19	0 13	12 4	7 3	14 39	14 21	17 44		n.a.
S 8	22 28	0n22	2 48	17 32	0 49	8 6	3 36	25 32	3 25	1 20	1 25	21 52	1 1	10 44	0 47	23 19	0 13	12 4	7 3	14 40	14 22	17 41		n.a.
S 9	22 37	6 5	3 38	18 1	0 41	8 17	3 39	25 36	3 28	1 19	1 25	21 52	1 1	10 44	0 47	23 19	0 13	12 5	7 3	14 40	14 23	17 39		n.a.
M10	22 44	11 44	4 20	18 30	0 33	8 28	3 42	25 40	3 31	1 18	1 24	21 53	1 2	10 44	0 47	23 19	0 13	12 6	7 3	14 42	14 24	17 36		n.a.
T 11	22 52	17 3	4 48	18 58	0 25	8 40	3 45	25 44	3 33	1 17	1 24	21 54	1 2	10 44	0 47	23 19	0 13	12 6	7 3	14 45	14 25	17 33		n.a.
W12	22 58	21 42	5 2	19 26	0 18	8 52	3 47	25 48	3 36	1 15	1 24	21 55	1 2	10 44	0 47	23 19	0 13	12 7	7 3	14 48	14 26	17 30		n.a.
T 13	23 5	25 18	4 59	19 53	0 10	9 5	3 50	25 53	3 38	1 14	1 23	21 55	1 2	10 44	0 47	23 19	0 13	12 7	7 3	14 51	14 27	17 27		n.a.
F 14	23 11	27 25	4 37	20 19	0 3	9 19	3 52	25 57	3 41	1 13	1 23	21 56	1 2	10 44	0 47	23 19	0 13	12 8	7 3	14 55	14 28	17 25		n.a.
S 15	23 16	27 42	3 57	20 45	0s 5	9 33	3 53	26 1	3 43	1 11	1 23	21 57	1 2	10 44	0 47	23 19	0 13	12 8	7 3	14 58	14 29	17 22		n.a.
S 16	23 21	26 3	3 1	21 10	0 12	9 47	3 55	26 6	3 46	1 10	1 22	21 58	1 3	10 44	0 47	23 18	0 13	12 9	7 3	15 0	14 30	17 19		n.a.
M17	23 26	22 36	1 53	21 34	0 19	10 2	3 56	26 10	3 48	1 8	1 22	21 59	1 3	10 44	0 47	23 18	0 13	12 9	7 3	15 1	14 31	17 16		n.a.
T 18	23 30	17 44	0 37	21 57	0 26	10 17	3 57	26 15	3 50	1 6	1 22	21 59	1 3	10 44	0 48	23 18	0 13	12 10	7 3	15 2	14 32	17 13		n.a.
W19	23 33	11 54	0s40	22 19	0 33	10 32	3 57	26 20	3 53	1 4	1 21	22 0	1 3	10 45	0 48	23 18	0 13	12 10	7 3	15 2	14 33	17 11		n.a.
T 20	23 37	5 33	1 54	22 41	0 40	10 48	3 58	26 24	3 55	1 3	1 21	22 1	1 3	10 45	0 48	23 18	0 13	12 11	7 3	15 2	14 35	17 8		n.a.
F 21	23 39	0s57	2 59	23 1	0 46	11 4	3 58	26 29	3 57	1 1	1 21	22 2	1 4	10 45	0 48	23 18	0 13	12 11	7 3	15 2	14 36	17 5		n.a.
S 22	23 41	7 18	3 53	23 20	0 52	11 20	3 58	26 33	3 59	0 59	1 20	22 3	1 4	10 45	0 48	23 18	0 13	12 11	7 3	15 2	14 37	17 2		n.a.
S 23	23 43	13 11	4 33	23 39	0 58	11 36	3 58	26 38	4 1	0 57	1 20	22 4	1 4	10 45	0 48	23 18	0 13	12 12	7 3	15 3	14 38	16 59		n.a.
M24	23 44	18 23	4 58	23 56	1 4	11 53	3 58	26 43	4 3	0 54	1 20	22 5	1 4	10 45	0 48	23 17	0 13	12 12	7 3	15 5	14 39	16 56		n.a.
T 25	23 45	22 38	5 7	24 12	1 10	12 10	3 57	26 47	4 5	0 52	1 19	22 6	1 4	10 46	0 48	23 17	0 13	12 13	7 3	15 7	14 40	16 54		n.a.
W26	23 45	25 42	5 0	24 26	1 15	12 26	3 57	26 52	4 7	0 50	1 19	22 7	1 4	10 46	0 48	23 17	0 13	12 13	7 3	15 10	14 41	16 51		n.a.
T 27	23 45	27 27	4 38	24 40	1 20	12 43	3 56	26 56	4 9	0 47	1 19	22 8	1 4	10 46	0 48	23 17	0 13	12 14	7 3	15 13	14 42	16 48		n.a.
F 28	23 44	27 46	4 3	24 52	1 25	13 1	3 55	27 0	4 10	0 45	1 18	22 9	1 5	10 47	0 48	23 17	0 13	12 14	7 3	15 16	14 43	16 45		n.a.
S 29	23 43	26 42	3 17	25 2	1 30	13 18	3 54	27 4	4 12	0 43	1 18	22 10	1 5	10 47	0 48	23 17	0 13	12 14	7 3	15 18	14 44	16 42		n.a.
S 30	23 41	24 23	2 23	25 12	1 34	13 35	3 52	27 9	4 13	0 40	1 18	22 10	1 5	10 47	0 48	23 17	0 13	12 15	7 3	15 20	14 45	16 39		n.a.
M31	23s39	21s 1	1s23	25s19	1s38	13s52	3n51	27n13	4n15	0s37	1s18	22n11	1n 5	10n48	0n48	23s17	0n13	12s15	7n 3	15s21	14s46	16s37		n.a.

Julian Day Number = 1550455.5, Delta T = 04h31m13s
Ecliptic obliquity = 23°45'14, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'14, Lahiri = -10°25'13 Julian Calendar 1 Dec. 469 BCE == Greg. Calendar 26 Nov. 469 BCE

The year -468 astronomical counting style corresponds to year 469 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

JANUARY 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 19 36	6♉ 3'26	15♒ 8	27♐31	19♏30	13°R49	1♈30	26°R27	4°R19	8♉23	24♏21	18°D52	20♒42	16♒14	n.a.	T 1
W 2	6 23 33	7° 4'20	26°55	29°10	20°28	13♋25	1°36	26♋22	4♍18	8°26	24°22	18♒53	20°39	16°21	n.a.	W 2
T 3	6 27 29	8° 5'12	8♓42	0♉50	21°26	13° 2	1°42	26°18	4°17	8°28	24°24	18°54	20°36	16°27	n.a.	T 3
F 4	6 31 26	9° 6'02	20°33	2°30	22°26	12°38	1°49	26°13	4°16	8°30	24°26	18°56	20°33	16°34	n.a.	F 4
S 5	6 35 22	10° 6'50	2♈35	4°11	23°25	12°14	1°55	26° 9	4°15	8°32	24°28	18°57	20°29	16°40	n.a.	S 5
S 6	6 39 19	11° 7'37	14°52	5°53	24°25	11°50	2° 2	26° 4	4°14	8°35	24°29	18°R57	20°26	16°47	n.a.	S 6
M 7	6 43 15	12° 8'22	27°29	7°36	25°25	11°26	2° 9	26° 0	4°13	8°37	24°31	18°56	20°23	16°54	n.a.	M 7
T 8	6 47 12	13° 9'05	10♉30	9°20	26°26	11° 2	2°17	25°55	4°11	8°39	24°33	18°53	20°20	17° 0	n.a.	T 8
W 9	6 51 8	14° 9'47	23°59	11° 4	27°27	10°38	2°24	25°50	4°10	8°42	24°34	18°49	20°17	17° 7	n.a.	W 9
T 10	6 55 5	15°10'27	7♊56	12°49	28°29	10°14	2°31	25°46	4° 9	8°44	24°36	18°44	20°14	17°14	n.a.	T 10
F 11	6 59 2	16°11'05	22°19	14°35	29°31	9°51	2°39	25°41	4° 7	8°46	24°37	18°38	20°10	17°20	n.a.	F 11
S 12	7 2 58	17°11'42	7♋ 4	16°22	0♐33	9°27	2°47	25°36	4° 6	8°48	24°39	18°34	20° 7	17°27	n.a.	S 12
S 13	7 6 55	18°12'17	22° 4	18°10	1°35	9° 4	2°55	25°31	4° 4	8°51	24°40	18°30	20° 4	17°34	n.a.	S 13
M14	7 10 51	19°12'50	7♌ 9	19°59	2°38	8°41	3° 3	25°27	4° 3	8°53	24°42	18°28	20° 1	17°40	n.a.	M14
T 15	7 14 48	20°13'22	22°10	21°48	3°41	8°19	3°11	25°22	4° 1	8°55	24°43	18°D28	19°58	17°47	n.a.	T 15
W16	7 18 44	21°13'52	7♍ 0	23°38	4°44	7°57	3°19	25°17	3°59	8°57	24°45	18°29	19°54	17°54	n.a.	W16
T 17	7 22 41	22°14'20	21°32	25°29	5°48	7°35	3°28	25°12	3°58	9° 0	24°46	18°30	19°51	18° 0	n.a.	T 17
F 18	7 26 37	23°14'47	5♎44	27°20	6°52	7°14	3°36	25° 7	3°56	9° 2	24°48	18°32	19°48	18° 7	n.a.	F 18
S 19	7 30 34	24°15'12	19°33	29°12	7°56	6°53	3°45	25° 3	3°54	9° 4	24°49	18°R33	19°45	18°14	n.a.	S 19
S 20	7 34 31	25°15'37	3♏ 1	1♒ 5	9° 1	6°32	3°54	24°58	3°52	9° 6	24°50	18°32	19°42	18°20	n.a.	S 20
M21	7 38 27	26°15'59	16° 8	2°58	10° 5	6°13	4° 3	24°53	3°51	9° 8	24°52	18°31	19°39	18°27	n.a.	M21
T 22	7 42 24	27°16'20	28°58	4°51	11°10	5°53	4°12	24°48	3°49	9°11	24°53	18°29	19°35	18°33	n.a.	T 22
W23	7 46 20	28°16'40	11♐33	6°44	12°16	5°35	4°22	24°43	3°47	9°13	24°54	18°26	19°32	18°40	n.a.	W23
T 24	7 50 17	29°16'58	23°55	8°37	13°21	5°17	4°31	24°39	3°45	9°15	24°55	18°23	19°29	18°47	n.a.	T 24
F 25	7 54 13	0♒17'14	6♉ 6	10°30	14°26	5° 0	4°40	24°34	3°43	9°17	24°57	18°20	19°26	18°53	n.a.	F 25
S 26	7 58 10	1°17'28	18° 8	12°22	15°32	4°43	4°50	24°29	3°41	9°19	24°58	18°17	19°23	19° 0	n.a.	S 26
S 27	8 2 7	2°17'41	0♒ 3	14°13	16°38	4°27	5° 0	24°24	3°39	9°22	24°59	18°16	19°20	19° 7	n.a.	S 27
M28	8 6 3	3°17'51	11°54	16° 3	17°44	4°12	5°10	24°19	3°37	9°24	25° 0	18°15	19°16	19°13	n.a.	M28
T 29	8 10 0	4°18'00	23°41	17°51	18°51	3°57	5°20	24°15	3°35	9°26	25° 1	18°D15	19°13	19°20	n.a.	T 29
W30	8 13 56	5°18'06	5♓28	19°37	19°57	3°44	5°30	24°10	3°32	9°28	25° 2	18°15	19°10	19°27	n.a.	W30
T 31	8 17 53	6♒18'10	17♓17	21♒21	21♐ 4	3♋31	5♈40	24♋ 5	3♍30	9♉30	25♏ 3	18♒16	19♒ 7	19♒33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23s37	16s50	0s20	25s26	1s42	14s10	3n49	27n16	4n16	0s35	1s17	22n12	1n 5	10n48	0n48	23s16	0n13	12s16	7n 3	15s22	14s47	16s34			n.a.
W 2	23 34	12 1	0n44	25 31	1 46	14 27	3 47	27 20	4 17	0 32	1 17	22 13	1 5	10 48	0 48	23 16	0 13	12 16	7 4	15 22	14 48	16 31			n.a.
T 3	23 30	6 47	1 46	25 34	1 49	14 44	3 45	27 24	4 19	0 29	1 17	22 14	1 6	10 49	0 48	23 16	0 13	12 16	7 4	15 21	14 49	16 28			n.a.
F 4	23 26	1 17	2 44	25 35	1 52	15 1	3 43	27 27	4 20	0 26	1 16	22 15	1 6	10 49	0 48	23 16	0 13	12 17	7 4	15 21	14 50	16 25			n.a.
S 5	23 22	4n20	3 36	25 35	1 54	15 18	3 41	27 30	4 21	0 23	1 16	22 16	1 6	10 50	0 48	23 16	0 13	12 17	7 4	15 20	14 51	16 22			n.a.
S 6	23 17	9 54	4 19	25 33	1 56	15 35	3 39	27 33	4 21	0 20	1 16	22 17	1 6	10 50	0 48	23 16	0 13	12 17	7 4	15 20	14 52	16 19			n.a.
M 7	23 11	15 13	4 51	25 30	1 58	15 52	3 36	27 36	4 22	0 17	1 15	22 18	1 6	10 51	0 48	23 16	0 13	12 18	7 4	15 21	14 53	16 17			n.a.
T 8	23 6	20 2	5 9	25 24	1 59	16 9	3 34	27 39	4 23	0 14	1 15	22 19	1 6	10 51	0 48	23 15	0 13	12 18	7 4	15 22	14 54	16 14			n.a.
W 9	22 59	24 1	5 11	25 17	2 0	16 25	3 31	27 42	4 23	0 11	1 15	22 20	1 6	10 52	0 48	23 15	0 13	12 18	7 4	15 23	14 55	16 11			n.a.
T 10	22 53	26 46	4 55	25 8	2 1	16 42	3 28	27 44	4 24	0 7	1 15	22 21	1 6	10 52	0 48	23 15	0 13	12 19	7 4	15 25	14 56	16 8			n.a.
F 11	22 45	27 51	4 20	24 57	2 1	16 58	3 26	27 46	4 24	0 4	1 14	22 22	1 7	10 53	0 48	23 15	0 13	12 19	7 4	15 26	14 57	16 5			n.a.
S 12	22 38	27 1	3 28	24 44	2 1	17 14	3 23	27 48	4 24	0 1	1 14	22 23	1 7	10 53	0 49	23 15	0 13	12 19	7 4	15 28	14 58	16 2			n.a.
S 13	22 30	24 13	2 20	24 29	2 0	17 30	3 19	27 50	4 24	0n 3	1 14	22 24	1 7	10 54	0 49	23 15	0 13	12 19	7 4	15 29	14 59	15 59			n.a.
M14	22 21	19 43	1 2	24 12	1 59	17 45	3 16	27 51	4 24	0 6	1 13	22 26	1 7	10 54	0 49	23 15	0 13	12 20	7 4	15 29	15 0	15 56			n.a.
T 15	22 12	13 59	0s20	23 53	1 57	18 0	3 13	27 53	4 24	0 10	1 13	22 27	1 7	10 55	0 49	23 14	0 13	12 20	7 5	15 29	15 1	15 53			n.a.
W16	22 3	7 31	1 40	23 32	1 55	18 15	3 10	27 54	4 24	0 14	1 13	22 28	1 7	10 56	0 49	23 14	0 13	12 20	7 5	15 29	15 2	15 51			n.a.
T 17	21 53	0 46	2 52	23 9	1 52	18 30	3 6	27 55	4 23	0 17	1 13	22 29	1 7	10 56	0 49	23 14	0 12	12 20	7 5	15 29	15 3	15 48			n.a.
F 18	21 43	5s50	3 51	22 44	1 48	18 44	3 3	27 56	4 23	0 21	1 12	22 30	1 7	10 57	0 49	23 14	0 12	12 21	7 5	15 28	15 4	15 45			n.a.
S 19	21 33	11 59	4 36	22 17	1 44	18 58	2 59	27 56	4 22	0 25	1 12	22 31	1 7	10 58	0 49	23 14	0 12	12 21	7 5	15 28	15 5	15 42			n.a.
S 20	21 22	17 25	5 4	21 48	1 40	19 12	2 56	27 57	4 22	0 28	1 12	22 31	1 8	10 58	0 49	23 14	0 12	12 21	7 5	15 28	15 6	15 39			n.a.
M21	21 10	21 54	5 15	21 17	1 34	19 25	2 52	27 57	4 21	0 32	1 12	22 32	1 8	10 59	0 49	23 14	0 12	12 21	7 5	15 28	15 7	15 36			n.a.
T 22	20 59	25 13	5 10	20 44	1 28	19 38	2 48	27 57	4 20	0 36	1 11	22 33	1 8	11 0	0 49	23 13	0 12	12 22	7 5	15 29	15 8	15 33			n.a.
W23	20 47	27 15	4 50	20 9	1 22	19 51	2 44	27 57	4 20	0 40	1 11	22 34	1 8	11 1	0 49	23 13	0 12	12 22	7 5	15 30	15 9	15 30			n.a.
T 24	20 34	27 53	4 17	19 32	1 14	20 3	2 41	27 57	4 19	0 44	1 11	22 35	1 8	11 1	0 49	23 13	0 12	12 22	7 5	15 31	15 10	15 27			n.a.
F 25	20 21	27 9	3 32	18 54	1 6	20 14	2 37	27 57	4 18	0 48	1 11	22 36	1 8	11 2	0 49	23 13	0 12	12 22	7 6	15 32	15 11	15 24			n.a.
S 26	20 8	25 8	2 39	18 14	0 58	20 26	2 33	27 56	4 16	0 52	1 10	22 37	1 8	11 3	0 49	23 13	0 12	12 22	7 6	15 33	15 12	15 21			n.a.
S 27	19 54	22 1	1 39	17 33	0 48	20 36	2 29	27 56	4 15	0 57	1 10	22 38	1 8	11 4	0 49	23 13	0 12	12 22	7 6	15 33	15 13	15 18			n.a.
M28	19 40	18 1	0 35	16 51	0 38	20 47	2 25	27 55	4 14	1 1	1 10	22 39	1 8	11 4	0 49	23 13	0 12	12 23	7 6	15 34	15 14	15 15			n.a.
T 29	19 26	13 20	0n30	16 7	0 28	20 57	2 21	27 54	4 13	1 5	1 10	22 40	1 8	11 5	0 49	23 12	0 12	12 23	7 6	15 34	15 15	15 12			n.a.
W30	19 12	8 10	1 34	15 23	0 16	21 6	2 17	27 53	4 11	1 9	1 9	22 41	1 8	11 6	0 49	23 12	0 12	12 23	7 6	15 33	15 16	15 10			n.a.
T 31	18s57	2s43	2n34	14s38	0s 4	21s15	2n12	27n52	4n10	1n14	1s 9	22n42	1n 8	11n 7	0n49	23s12	0n12	12s23	7n 6	15s33	15s17	15s 7			n.a.

Julian Day Number = 1550486.5, Delta T = 04h31m12s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'10, Lahiri = -10°25'09 Julian Calendar 1 Jan. 468 BCE == Greg. Calendar 27 Dec. 469 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

FEBRUARY 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 21 49	7♒18'12	29♓11	23♒ 1	22♐11	3°R19	5♈50	24°R 1	3°R28	9♑32	25♏ 4	18♒18	19♒ 4	19♒40	n.a.	F 1
S 2	8 25 46	8°18'12	11♈15	24°38	23°18	3♋ 7	6° 1	23♋56	3♍26	9°34	25° 5	18°19	19° 0	19°47	n.a.	S 2
S 3	8 29 42	9°18'09	23°32	26°11	24°25	2°57	6°11	23°51	3°23	9°36	25° 6	18°19	18°57	19°53	n.a.	S 3
M 4	8 33 39	10°18'04	6♉ 6	27°39	25°32	2°47	6°22	23°47	3°21	9°38	25° 7	18°R20	18°54	20° 0	n.a.	M 4
T 5	8 37 35	11°17'57	19° 1	29° 1	26°39	2°38	6°33	23°42	3°19	9°40	25° 8	18°20	18°51	20° 7	n.a.	T 5
W 6	8 41 32	12°17'48	2♊21	0♓18	27°47	2°29	6°44	23°38	3°16	9°42	25° 9	18°19	18°48	20°13	n.a.	W 6
T 7	8 45 29	13°17'36	16° 8	1°29	28°55	2°22	6°55	23°34	3°14	9°44	25° 9	18°19	18°45	20°20	n.a.	T 7
F 8	8 49 25	14°17'22	0♋23	2°33	0♑ 3	2°15	7° 6	23°29	3°12	9°46	25°10	18°18	18°41	20°26	n.a.	F 8
S 9	8 53 22	15°17'06	15° 2	3°30	1°10	2°10	7°17	23°25	3° 9	9°48	25°11	18°18	18°38	20°33	n.a.	S 9
S 10	8 57 18	16°16'48	0♌ 1	4°19	2°19	2° 5	7°28	23°21	3° 7	9°50	25°12	18°18	18°35	20°40	n.a.	S 10
M11	9 1 15	17°16'27	15°12	5° 1	3°27	2° 0	7°39	23°16	3° 4	9°52	25°12	18°D18	18°32	20°46	n.a.	M11
T 12	9 5 11	18°16'04	0♍26	5°34	4°35	1°57	7°51	23°12	3° 2	9°54	25°13	18°R18	18°29	20°53	n.a.	T 12
W13	9 9 8	19°15'38	15°33	6° 0	5°43	1°54	8° 2	23° 8	2°59	9°56	25°13	18°18	18°26	21° 0	n.a.	W13
T 14	9 13 4	20°15'11	0♎24	6°16	6°52	1°52	8°14	23° 4	2°57	9°58	25°14	18°17	18°22	21° 6	n.a.	T 14
F 15	9 17 1	21°14'42	14°52	6°25	8° 1	1°51	8°25	23° 0	2°54	9°59	25°15	18°17	18°19	21°13	n.a.	F 15
S 16	9 20 58	22°14'11	28°56	6°R26	9° 9	1°D50	8°37	22°56	2°52	10° 1	25°15	18°17	18°16	21°20	n.a.	S 16
S 17	9 24 54	23°13'38	12♏32	6°18	10°18	1°50	8°49	22°52	2°49	10° 3	25°16	18°17	18°13	21°26	n.a.	S 17
M18	9 28 51	24°13'04	25°43	6° 3	11°27	1°51	9° 1	22°49	2°47	10° 5	25°16	18°D16	18°10	21°33	n.a.	M18
T 19	9 32 47	25°12'27	8♐30	5°41	12°36	1°53	9°13	22°45	2°44	10° 6	25°16	18°17	18° 6	21°40	n.a.	T 19
W20	9 36 44	26°11'49	20°58	5°12	13°45	1°56	9°25	22°41	2°42	10° 8	25°17	18°17	18° 3	21°46	n.a.	W20
T 21	9 40 40	27°11'09	3♑11	4°37	14°55	1°59	9°37	22°38	2°39	10°10	25°17	18°18	18° 0	21°53	n.a.	T 21
F 22	9 44 37	28°10'27	15°12	3°57	16° 4	2° 2	9°49	22°34	2°37	10°12	25°18	18°19	17°57	21°59	n.a.	F 22
S 23	9 48 33	29° 9'42	27° 6	3°13	17°13	2° 7	10° 2	22°31	2°34	10°13	25°18	18°20	17°54	22° 6	n.a.	S 23
S 24	9 52 30	0♓ 8'56	8♒54	2°26	18°23	2°12	10°14	22°28	2°31	10°15	25°18	18°21	17°51	22°13	n.a.	S 24
M25	9 56 27	1° 8'08	20°41	1°37	19°32	2°18	10°26	22°24	2°29	10°17	25°18	18°R21	17°47	22°19	n.a.	M25
T 26	10 0 23	2° 7'17	2♓28	0°46	20°42	2°24	10°39	22°21	2°26	10°18	25°18	18°20	17°44	22°26	n.a.	T 26
W27	10 4 20	3° 6'25	14°19	29♒56	21°52	2°31	10°51	22°18	2°24	10°20	25°19	18°19	17°41	22°33	n.a.	W27
T 28	10 8 16	4♓ 5'30	26♓14	29♒ 6	23♑ 1	2♋39	11♈ 4	22♋15	2♍21	10♑21	25♏19	18♒17	17♒38	22♒39	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s41	2n51	3n28	13s53	0n 8	21s23	2n 8	27n51	4n 9	1n18	1s 9	22n43	1n 9	11n 8	0n49	23s12	0n12	12s23	7n 6	15s33	15s18	15s 4		n.a.
S 2	18 26	8 23	4 14	13 9	0 21	21 31	2 4	27 50	4 7	1 22	1 9	22 44	1 9	11 9	0 49	23 12	0 12	12 23	7 6	15 32	15 19	15 1		n.a.
S 3	18 10	13 42	4 49	12 25	0 35	21 38	2 0	27 49	4 6	1 27	1 8	22 45	1 9	11 9	0 49	23 12	0 12	12 23	7 7	15 32	15 20	14 58		n.a.
M 4	17 53	18 36	5 11	11 41	0 49	21 45	1 56	27 47	4 4	1 31	1 8	22 45	1 9	11 10	0 49	23 12	0 12	12 23	7 7	15 32	15 21	14 55		n.a.
T 5	17 37	22 47	5 18	10 59	1 3	21 51	1 51	27 46	4 2	1 36	1 8	22 46	1 9	11 11	0 49	23 11	0 12	12 23	7 7	15 32	15 22	14 52		n.a.
W 6	17 20	25 56	5 8	10 19	1 17	21 57	1 47	27 44	4 1	1 40	1 8	22 47	1 9	11 12	0 49	23 11	0 12	12 24	7 7	15 32	15 23	14 49		n.a.
T 7	17 3	27 41	4 41	9 40	1 31	22 2	1 43	27 43	3 59	1 45	1 7	22 48	1 9	11 13	0 49	23 11	0 12	12 24	7 7	15 32	15 24	14 46		n.a.
F 8	16 45	27 41	3 56	9 4	1 46	22 7	1 39	27 41	3 57	1 49	1 7	22 49	1 9	11 14	0 49	23 11	0 12	12 24	7 7	15 32	15 25	14 43		n.a.
S 9	16 28	25 47	2 55	8 30	2 0	22 11	1 34	27 40	3 56	1 54	1 7	22 50	1 9	11 15	0 49	23 11	0 12	12 24	7 7	15 33	15 26	14 40		n.a.
S 10	16 10	22 2	1 40	7 59	2 13	22 14	1 30	27 38	3 54	1 59	1 7	22 50	1 9	11 16	0 49	23 11	0 12	12 24	7 7	15 33	15 27	14 37		n.a.
M11	15 52	16 46	0 17	7 32	2 27	22 17	1 26	27 36	3 52	2 3	1 7	22 51	1 9	11 16	0 49	23 11	0 12	12 24	7 8	15 33	15 28	14 34		n.a.
T 12	15 33	10 25	1s 7	7 7	2 39	22 19	1 21	27 35	3 50	2 8	1 6	22 52	1 9	11 17	0 49	23 11	0 12	12 24	7 8	15 33	15 29	14 31		n.a.
W13	15 14	3 32	2 26	6 47	2 51	22 21	1 17	27 33	3 48	2 13	1 6	22 53	1 9	11 18	0 49	23 10	0 12	12 24	7 8	15 33	15 30	14 28		n.a.
T 14	14 55	3s25	3 33	6 31	3 2	22 22	1 13	27 31	3 47	2 18	1 6	22 53	1 9	11 19	0 49	23 10	0 12	12 24	7 8	15 33	15 31	14 25		n.a.
F 15	14 36	10 0	4 26	6 18	3 12	22 22	1 9	27 29	3 45	2 23	1 6	22 54	1 9	11 20	0 49	23 10	0 12	12 24	7 8	15 33	15 32	14 22		n.a.
S 16	14 17	15 54	5 0	6 10	3 21	22 22	1 4	27 27	3 43	2 28	1 6	22 55	1 9	11 21	0 49	23 10	0 12	12 24	7 8	15 33	15 33	14 19		n.a.
S 17	13 57	20 48	5 16	6 6	3 28	22 21	1 0	27 25	3 41	2 32	1 5	22 55	1 9	11 22	0 49	23 10	0 12	12 24	7 8	15 33	15 34	14 16		n.a.
M18	13 37	24 32	5 15	6 6	3 34	22 19	0 56	27 23	3 39	2 37	1 5	22 56	1 9	11 23	0 49	23 10	0 12	12 24	7 9	15 33	15 35	14 13		n.a.
T 19	13 17	26 55	4 58	6 10	3 39	22 17	0 52	27 22	3 37	2 42	1 5	22 57	1 9	11 24	0 49	23 10	0 12	12 24	7 9	15 33	15 36	14 10		n.a.
W20	12 57	27 54	4 28	6 18	3 42	22 15	0 48	27 20	3 35	2 47	1 5	22 57	1 9	11 25	0 49	23 9	0 12	12 24	7 9	15 33	15 37	14 7		n.a.
T 21	12 37	27 28	3 45	6 30	3 43	22 11	0 43	27 18	3 33	2 52	1 5	22 58	1 9	11 26	0 49	23 9	0 12	12 24	7 9	15 33	15 38	14 4		n.a.
F 22	12 16	25 45	2 54	6 45	3 42	22 7	0 39	27 16	3 32	2 57	1 4	22 59	1 9	11 27	0 49	23 9	0 12	12 24	7 9	15 32	15 39	14 1		n.a.
S 23	11 55	22 54	1 55	7 3	3 39	22 3	0 35	27 14	3 30	3 2	1 4	22 59	1 9	11 28	0 49	23 9	0 12	12 24	7 9	15 32	15 40	13 58		n.a.
S 24	11 34	19 6	0 52	7 24	3 35	21 57	0 31	27 12	3 28	3 7	1 4	23 0	1 9	11 29	0 49	23 9	0 12	12 23	7 9	15 32	15 41	13 55		n.a.
M25	11 13	14 35	0n13	7 48	3 29	21 52	0 27	27 10	3 26	3 12	1 4	23 0	1 9	11 30	0 49	23 9	0 12	12 23	7 9	15 32	15 42	13 52		n.a.
T 26	10 51	9 32	1 18	8 13	3 21	21 45	0 23	27 8	3 24	3 18	1 4	23 1	1 9	11 31	0 49	23 9	0 12	12 23	7 10	15 32	15 43	13 49		n.a.
W27	10 30	4 7	2 19	8 40	3 11	21 38	0 19	27 6	3 22	3 23	1 4	23 1	1 9	11 31	0 49	23 9	0 12	12 23	7 10	15 32	15 44	13 46		n.a.
T 28	10s 8	1n27	3n15	9s 7	3n 0	21s30	0n15	27n 4	3n20	3n28	1s 3	23n 2	1n 9	11n32	0n49	23s 9	0n12	12s23	7n10	15s33	15s45	13s43		n.a.

Julian Day Number = 1550517.5, Delta T = 04h31m11s
Ecliptic obliquity = 23°45'14, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'05, Lahiri = -10°25'05 Julian Calendar 1 Feb. 468 BCE == Greg. Calendar 27 Jan. 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

MARCH 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 12 13	5♓ 4'33	8♈16	28°R18	24♉11	2♋47	11♈17	22°R12	2°R18	10♉23	25♏19	18°R15	17♒35	22♒46	n.a.	F 1
S 2	10 16 9	6° 3'33	20°27	27♒33	25°21	2°56	11°29	22♋ 9	2♍16	10°24	25°19	18♒12	17°31	22°53	n.a.	S 2
S 3	10 20 6	7° 2'32	2♉51	26°51	26°31	3° 6	11°42	22° 7	2°13	10°26	25°R19	18° 9	17°28	22°59	n.a.	S 3
M 4	10 24 2	8° 1'28	15°28	26°12	27°41	3°16	11°55	22° 4	2°11	10°27	25°19	18° 7	17°25	23° 6	n.a.	M 4
T 5	10 27 59	9° 0'21	28°23	25°39	28°51	3°27	12° 8	22° 2	2° 8	10°28	25°19	18° 6	17°22	23°13	n.a.	T 5
W 6	10 31 55	9°59'13	11♊38	25°10	0♒ 1	3°38	12°21	21°59	2° 5	10°30	25°19	18°D 5	17°19	23°19	n.a.	W 6
T 7	10 35 52	10°58'02	25°15	24°46	1°12	3°50	12°34	21°57	2° 3	10°31	25°19	18° 6	17°16	23°26	n.a.	T 7
F 8	10 39 49	11°56'48	9♋15	24°28	2°22	4° 2	12°47	21°55	2° 0	10°33	25°19	18° 7	17°12	23°33	n.a.	F 8
S 9	10 43 45	12°55'32	23°39	24°14	3°32	4°15	13° 0	21°52	1°58	10°34	25°18	18° 9	17° 9	23°39	n.a.	S 9
S 10	10 47 42	13°54'14	8♌23	24° 7	4°42	4°29	13°13	21°50	1°55	10°35	25°18	18°10	17° 6	23°46	n.a.	S 10
M11	10 51 38	14°52'54	23°23	24°D 4	5°53	4°42	13°27	21°48	1°53	10°36	25°18	18°R10	17° 3	23°52	n.a.	M11
T 12	10 55 35	15°51'31	8♍31	24° 7	7° 3	4°57	13°40	21°47	1°50	10°38	25°18	18° 9	17° 0	23°59	n.a.	T 12
W13	10 59 31	16°50'06	23°38	24°15	8°14	5°12	13°53	21°45	1°48	10°39	25°17	18° 6	16°57	24° 6	n.a.	W13
T 14	11 3 28	17°48'39	8♎35	24°28	9°24	5°27	14° 6	21°43	1°45	10°40	25°17	18° 3	16°53	24°12	n.a.	T 14
F 15	11 7 24	18°47'10	23°13	24°46	10°35	5°43	14°20	21°42	1°43	10°41	25°17	17°58	16°50	24°19	n.a.	F 15
S 16	11 11 21	19°45'39	7♏27	25° 9	11°46	5°59	14°33	21°40	1°40	10°42	25°16	17°54	16°47	24°26	n.a.	S 16
S 17	11 15 18	20°44'07	21°13	25°36	12°56	6°16	14°47	21°39	1°38	10°43	25°16	17°50	16°44	24°32	n.a.	S 17
M18	11 19 14	21°42'33	4♐31	26° 7	14° 7	6°33	15° 0	21°37	1°36	10°44	25°15	17°47	16°41	24°39	n.a.	M18
T 19	11 23 11	22°40'57	17°22	26°43	15°18	6°50	15°14	21°36	1°33	10°45	25°15	17°D46	16°37	24°46	n.a.	T 19
W20	11 27 7	23°39'20	29°51	27°22	16°29	7° 8	15°27	21°35	1°31	10°46	25°14	17°46	16°34	24°52	n.a.	W20
T 21	11 31 4	24°37'41	12♑ 2	28° 5	17°40	7°27	15°41	21°34	1°29	10°47	25°14	17°47	16°31	24°59	n.a.	T 21
F 22	11 35 0	25°36'00	24° 0	28°52	18°51	7°45	15°54	21°33	1°26	10°48	25°13	17°48	16°28	25° 6	n.a.	F 22
S 23	11 38 57	26°34'18	5♒50	29°42	20° 2	8° 4	16° 8	21°33	1°24	10°49	25°13	17°50	16°25	25°12	n.a.	S 23
S 24	11 42 53	27°32'33	17°36	0♓35	21°13	8°24	16°22	21°32	1°22	10°50	25°12	17°R51	16°22	25°19	n.a.	S 24
M25	11 46 50	28°30'47	29°23	1°31	22°24	8°44	16°36	21°32	1°20	10°51	25°11	17°50	16°18	25°26	n.a.	M25
T 26	11 50 46	29°29'00	11♓13	2°31	23°35	9° 4	16°49	21°31	1°17	10°51	25°11	17°47	16°15	25°32	n.a.	T 26
W27	11 54 43	0♈27'10	23°10	3°33	24°46	9°25	17° 3	21°31	1°15	10°52	25°10	17°43	16°12	25°39	n.a.	W27
T 28	11 58 40	1°25'19	5♈14	4°38	25°57	9°46	17°17	21°31	1°13	10°53	25° 9	17°36	16° 9	25°45	n.a.	T 28
F 29	12 2 36	2°23'26	17°29	5°46	27° 8	10° 7	17°31	21°30	1°11	10°54	25° 9	17°28	16° 6	25°52	n.a.	F 29
S 30	12 6 33	3°21'31	29°55	6°56	28°20	10°29	17°45	21°D30	1° 9	10°54	25° 8	17°20	16° 3	25°59	n.a.	S 30
S 31	12 10 29	4♈19'34	12♉32	8♓ 9	29♒31	10♋51	17♈58	21♋31	1♍ 7	10♉55	25♏ 7	17♒12	15♒59	26♒ 5	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s46	7n 1	4n 2	9s35	2n48	21s22	0n11	27n 2	3n18	3n33	1s 3	23n 2	1n 9	11n33	0n49	23s 8	0n12	12s23	7n10	15s34	15s46	13s40		n.a.
S 2	9 24	12 24	4 40	10 3	2 35	21 13	0 8	27 0	3 17	3 38	1 3	23 3	1 9	11 34	0 49	23 8	0 12	12 23	7 10	15 34	15 47	13 37		n.a.
S 3	9 2	17 22	5 4	10 31	2 21	21 4	0 4	26 58	3 15	3 43	1 3	23 3	1 9	11 35	0 49	23 8	0 12	12 23	7 10	15 35	15 48	13 34		n.a.
M 4	8 40	21 42	5 15	10 58	2 7	20 54	0 0	26 56	3 13	3 49	1 3	23 4	1 9	11 36	0 49	23 8	0 12	12 23	7 10	15 36	15 49	13 31		n.a.
T 5	8 18	25 6	5 11	11 24	1 51	20 43	0s 4	26 54	3 11	3 54	1 3	23 4	1 9	11 37	0 49	23 8	0 12	12 22	7 11	15 36	15 50	13 28		n.a.
W 6	7 55	27 15	4 49	11 48	1 36	20 32	0 7	26 51	3 9	3 59	1 2	23 4	1 9	11 38	0 49	23 8	0 12	12 22	7 11	15 37	15 51	13 25		n.a.
T 7	7 33	27 52	4 12	12 11	1 20	20 20	0 11	26 49	3 7	4 4	1 2	23 5	1 9	11 39	0 49	23 8	0 12	12 22	7 11	15 36	15 52	13 22		n.a.
F 8	7 10	26 43	3 18	12 32	1 5	20 7	0 14	26 47	3 6	4 10	1 2	23 5	1 9	11 40	0 49	23 8	0 12	12 22	7 11	15 36	15 53	13 19		n.a.
S 9	6 48	23 48	2 11	12 51	0 49	19 54	0 18	26 45	3 4	4 15	1 2	23 6	1 9	11 41	0 49	23 8	0 12	12 22	7 11	15 35	15 54	13 16		n.a.
S 10	6 25	19 16	0 54	13 8	0 34	19 41	0 21	26 43	3 2	4 20	1 2	23 6	1 9	11 42	0 49	23 7	0 12	12 22	7 11	15 35	15 55	13 13		n.a.
M11	6 2	13 27	0s29	13 22	0 19	19 27	0 25	26 40	3 0	4 26	1 2	23 6	1 9	11 43	0 49	23 7	0 12	12 22	7 11	15 35	15 56	13 10		n.a.
T 12	5 39	6 48	1 50	13 35	0 4	19 12	0 28	26 38	2 59	4 31	1 2	23 6	1 9	11 44	0 49	23 7	0 12	12 21	7 11	15 35	15 57	13 7		n.a.
W13	5 16	0s14	3 3	13 46	0s10	18 57	0 31	26 36	2 57	4 36	1 1	23 7	1 9	11 44	0 49	23 7	0 12	12 21	7 12	15 36	15 58	13 3		n.a.
T 14	4 53	7 9	4 2	13 54	0 23	18 41	0 34	26 33	2 55	4 42	1 1	23 7	1 9	11 45	0 49	23 7	0 12	12 21	7 12	15 37	15 59	13 0		n.a.
F 15	4 30	13 32	4 44	14 0	0 36	18 25	0 38	26 31	2 53	4 47	1 1	23 7	1 9	11 46	0 49	23 7	0 12	12 21	7 12	15 39	16 0	12 57		n.a.
S 16	4 6	19 1	5 8	14 4	0 49	18 8	0 41	26 29	2 52	4 52	1 1	23 7	1 9	11 47	0 49	23 7	0 12	12 21	7 12	15 40	16 1	12 54		n.a.
S 17	3 43	23 19	5 12	14 6	1 1	17 51	0 44	26 26	2 50	4 58	1 1	23 8	1 9	11 48	0 49	23 7	0 12	12 20	7 12	15 41	16 2	12 51		n.a.
M18	3 20	26 14	5 0	14 6	1 12	17 33	0 47	26 24	2 48	5 3	1 1	23 8	1 9	11 49	0 49	23 7	0 12	12 20	7 12	15 42	16 3	12 48		n.a.
T 19	2 56	27 40	4 32	14 4	1 22	17 15	0 49	26 21	2 47	5 9	1 1	23 8	1 9	11 50	0 49	23 7	0 12	12 20	7 12	15 43	16 4	12 45		n.a.
W20	2 33	27 38	3 53	13 59	1 32	16 56	0 52	26 18	2 45	5 14	1 1	23 8	1 9	11 50	0 49	23 7	0 12	12 20	7 12	15 43	16 5	12 42		n.a.
T 21	2 10	26 14	3 3	13 53	1 42	16 37	0 55	26 16	2 44	5 19	1 0	23 8	1 9	11 51	0 49	23 7	0 12	12 19	7 12	15 42	16 6	12 39		n.a.
F 22	1 46	23 40	2 6	13 45	1 50	16 17	0 58	26 13	2 42	5 25	1 0	23 8	1 9	11 52	0 49	23 7	0 12	12 19	7 13	15 42	16 6	12 36		n.a.
S 23	1 23	20 7	1 5	13 34	1 58	15 57	1 0	26 10	2 40	5 30	1 0	23 9	1 9	11 53	0 49	23 6	0 12	12 19	7 13	15 41	16 7	12 33		n.a.
S 24	0 59	15 47	0 1	13 22	2 6	15 36	1 3	26 7	2 39	5 36	1 0	23 9	1 9	11 54	0 49	23 6	0 12	12 19	7 13	15 41	16 8	12 30		n.a.
M25	0 36	10 52	1n 2	13 8	2 12	15 15	1 5	26 4	2 37	5 41	1 0	23 9	1 9	11 54	0 49	23 6	0 12	12 18	7 13	15 41	16 9	12 27		n.a.
T 26	0 12	5 33	2 4	12 52	2 18	14 54	1 7	26 2	2 36	5 47	1 0	23 9	1 9	11 55	0 49	23 6	0 12	12 18	7 13	15 42	16 10	12 24		n.a.
W27	0n11	0 0	3 0	12 34	2 24	14 32	1 10	25 58	2 34	5 52	1 0	23 9	1 9	11 56	0 49	23 6	0 12	12 18	7 13	15 44	16 11	12 21		n.a.
T 28	0 34	5n36	3 48	12 14	2 28	14 10	1 12	25 55	2 32	5 57	1 0	23 9	1 9	11 57	0 49	23 6	0 12	12 18	7 13	15 46	16 12	12 17		n.a.
F 29	0 58	11 3	4 27	11 52	2 32	13 47	1 14	25 52	2 31	6 3	0 59	23 9	1 9	11 57	0 49	23 6	0 12	12 17	7 13	15 48	16 13	12 14		n.a.
S 30	1 21	16 9	4 54	11 29	2 36	13 24	1 16	25 49	2 29	6 8	0 59	23 9	1 9	11 58	0 49	23 6	0 12	12 17	7 13	15 51	16 14	12 11		n.a.
S 31	1n44	20n39	5n 7	11s 4	2s39	13s 1	1s18	25n46	2n28	6n14	0s59	23n 9	1n 9	11n59	0n49	23s 6	0n12	12s17	7n13	15s53	16s15	12s 8		n.a.

Julian Day Number = 1550545.5, Delta T = 04h31m10s
Ecliptic obliquity = 23°45'14, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°32'02, Lahiri = -10°25'01 Julian Calendar 1 March 468 BCE == Greg. Calendar 24 Feb. 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

APRIL 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 14 26	5♈17'35	25♉22	9♓24	0♓42	11♋13	18♈12	21♋31	1°R 5	10♑55	25°R 6	17°R 5	15♒56	26♒12	n.a.	M 1
T 2	12 18 22	6°15'35	8♊25	10°41	1°53	11°36	18°26	21°31	1♍ 3	10°56	25♏ 5	17♒ 0	15°53	26°19	n.a.	T 2
W 3	12 22 19	7°13'32	21°43	12° 1	3° 5	11°59	18°40	21°31	1° 1	10°57	25° 4	16°56	15°50	26°25	n.a.	W 3
T 4	12 26 15	8°11'28	5♋17	13°23	4°16	12°22	18°54	21°32	0°59	10°57	25° 3	16°D55	15°47	26°32	n.a.	T 4
F 5	12 30 12	9° 9'21	19° 9	14°47	5°28	12°45	19° 8	21°33	0°57	10°58	25° 3	16°56	15°43	26°39	n.a.	F 5
S 6	12 34 9	10° 7'13	3♌17	16°14	6°39	13° 9	19°22	21°33	0°55	10°58	25° 2	16°57	15°40	26°45	n.a.	S 6
S 7	12 38 5	11° 5'02	17°43	17°42	7°51	13°33	19°36	21°34	0°53	10°58	25° 1	16°R57	15°37	26°52	n.a.	S 7
M 8	12 42 2	12° 2'50	2♍22	19°13	9° 2	13°58	19°50	21°35	0°52	10°59	25° 0	16°56	15°34	26°59	n.a.	M 8
T 9	12 45 58	13° 0'36	17°11	20°46	10°14	14°22	20° 4	21°36	0°50	10°59	24°59	16°53	15°31	27° 5	n.a.	T 9
W10	12 49 55	13°58'20	2♎ 3	22°21	11°25	14°47	20°18	21°37	0°48	10°59	24°57	16°48	15°28	27°12	n.a.	W10
T 11	12 53 51	14°56'03	16°49	23°58	12°37	15°12	20°32	21°39	0°47	11° 0	24°56	16°40	15°24	27°19	n.a.	T 11
F 12	12 57 48	15°53'44	1♏22	25°37	13°48	15°38	20°46	21°40	0°45	11° 0	24°55	16°31	15°21	27°25	n.a.	F 12
S 13	13 1 44	16°51'24	15°34	27°18	15° 0	16° 4	21° 0	21°41	0°44	11° 0	24°54	16°22	15°18	27°32	n.a.	S 13
S 14	13 5 41	17°49'02	29°22	29° 1	16°12	16°30	21°14	21°43	0°42	11° 0	24°53	16°13	15°15	27°38	n.a.	S 14
M15	13 9 38	18°46'40	12♐43	0♈46	17°23	16°56	21°28	21°45	0°41	11° 0	24°52	16° 6	15°12	27°45	n.a.	M15
T 16	13 13 34	19°44'16	25°38	2°33	18°35	17°22	21°42	21°46	0°39	11° 1	24°51	16° 1	15° 8	27°52	n.a.	T 16
W17	13 17 31	20°41'51	8♑10	4°23	19°47	17°49	21°56	21°48	0°38	11° 1	24°49	15°59	15° 5	27°58	n.a.	W17
T 18	13 21 27	21°39'25	20°22	6°14	20°59	18°16	22°10	21°50	0°36	11° 1	24°48	15°D58	15° 2	28° 5	n.a.	T 18
F 19	13 25 24	22°36'58	2♒21	8° 8	22°10	18°43	22°24	21°52	0°35	11°R 1	24°47	15°58	14°59	28°12	n.a.	F 19
S 20	13 29 20	23°34'30	14°11	10° 3	23°22	19°10	22°38	21°54	0°34	11° 1	24°46	15°R58	14°56	28°18	n.a.	S 20
S 21	13 33 17	24°32'01	25°58	12° 1	24°34	19°38	22°52	21°57	0°33	11° 1	24°44	15°58	14°53	28°25	n.a.	S 21
M22	13 37 13	25°29'31	7♓47	14° 0	25°46	20° 5	23° 6	21°59	0°32	11° 1	24°43	15°56	14°49	28°32	n.a.	M22
T 23	13 41 10	26°27'00	19°42	16° 1	26°58	20°33	23°20	22° 2	0°30	11° 0	24°42	15°51	14°46	28°38	n.a.	T 23
W24	13 45 7	27°24'28	1♈46	18° 4	28°10	21° 1	23°34	22° 4	0°29	11° 0	24°40	15°44	14°43	28°45	n.a.	W24
T 25	13 49 3	28°21'55	14° 2	20° 9	29°22	21°30	23°48	22° 7	0°28	11° 0	24°39	15°34	14°40	28°52	n.a.	T 25
F 26	13 53 0	29°19'20	26°31	22°16	0♈34	21°58	24° 2	22° 9	0°27	11° 0	24°38	15°23	14°37	28°58	n.a.	F 26
S 27	13 56 56	0♉16'45	9♉14	24°23	1°46	22°27	24°16	22°12	0°27	11° 0	24°36	15°10	14°34	29° 5	n.a.	S 27
S 28	14 0 53	1°14'09	22°11	26°32	2°58	22°56	24°30	22°15	0°26	10°59	24°35	14°58	14°30	29°12	n.a.	S 28
M29	14 4 49	2°11'32	5♊20	28°42	4°10	23°25	24°44	22°18	0°25	10°59	24°34	14°48	14°27	29°18	n.a.	M29
T 30	14 8 46	3♉ 8'53	18♊41	0♉53	5♈22	23♋55	24♈58	22♋21	0♍24	10♑59	24♏32	14♒39	14♒24	29♒25	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n 8	24n16	5n 5	10s38	2s41	12s37	1s20	25n42	2n26	6n19	0s59	23n 9	1n 9	12n 0	0n49	23s 6	0n12	12s17	7n14	15s55	16s16	12s 5		n.a.
T 2	2 31	26 43	4 47	10 9	2 43	12 13	1 22	25 39	2 25	6 25	0 59	23 8	1 9	12 0	0 49	23 6	0 12	12 16	7 14	15 57	16 17	12 2		n.a.
W 3	2 54	27 42	4 13	9 39	2 44	11 48	1 24	25 35	2 23	6 30	0 59	23 8	1 9	12 1	0 49	23 6	0 12	12 16	7 14	15 58	16 18	11 59		n.a.
T 4	3 17	27 4	3 25	9 8	2 44	11 24	1 25	25 32	2 22	6 35	0 59	23 8	1 9	12 2	0 49	23 6	0 12	12 16	7 14	15 58	16 19	11 56		n.a.
F 5	3 40	24 44	2 24	8 35	2 44	10 59	1 27	25 28	2 21	6 41	0 59	23 8	1 9	12 2	0 49	23 6	0 12	12 15	7 14	15 58	16 20	11 53		n.a.
S 6	4 4	20 51	1 13	8 0	2 43	10 33	1 29	25 24	2 19	6 46	0 59	23 8	1 9	12 3	0 49	23 6	0 12	12 15	7 14	15 58	16 21	11 50		n.a.
S 7	4 26	15 40	0s 4	7 24	2 42	10 8	1 30	25 20	2 18	6 52	0 59	23 8	1 9	12 4	0 49	23 6	0 12	12 15	7 14	15 58	16 22	11 47		n.a.
M 8	4 49	9 30	1 22	6 46	2 40	9 42	1 31	25 16	2 16	6 57	0 59	23 8	1 9	12 4	0 49	23 6	0 12	12 15	7 14	15 58	16 23	11 43		n.a.
T 9	5 12	2 45	2 35	6 6	2 37	9 15	1 33	25 12	2 15	7 3	0 58	23 7	1 9	12 5	0 49	23 6	0 12	12 14	7 14	15 59	16 24	11 40		n.a.
W10	5 35	4s 8	3 37	5 26	2 34	8 49	1 34	25 8	2 14	7 8	0 58	23 7	1 9	12 5	0 49	23 6	0 12	12 14	7 14	16 1	16 25	11 37		n.a.
T 11	5 57	10 45	4 25	4 43	2 30	8 22	1 35	25 4	2 12	7 13	0 58	23 7	1 9	12 6	0 49	23 6	0 12	12 14	7 14	16 3	16 26	11 34		n.a.
F 12	6 20	16 41	4 54	4 0	2 26	7 55	1 36	24 59	2 11	7 19	0 58	23 7	1 9	12 6	0 49	23 6	0 12	12 13	7 14	16 6	16 27	11 31		n.a.
S 13	6 42	21 34	5 5	3 14	2 21	7 28	1 37	24 55	2 9	7 24	0 58	23 6	1 9	12 7	0 49	23 6	0 12	12 13	7 14	16 8	16 28	11 28		n.a.
S 14	7 5	25 6	4 57	2 28	2 16	7 1	1 38	24 50	2 8	7 30	0 58	23 6	1 8	12 7	0 49	23 6	0 12	12 13	7 14	16 11	16 28	11 25		n.a.
M15	7 27	27 8	4 33	1 40	2 10	6 33	1 39	24 46	2 7	7 35	0 58	23 6	1 8	12 8	0 49	23 6	0 12	12 12	7 14	16 13	16 29	11 22		n.a.
T 16	7 49	27 36	3 55	0 51	2 3	6 6	1 39	24 41	2 5	7 40	0 58	23 5	1 8	12 8	0 48	23 6	0 12	12 12	7 14	16 15	16 30	11 18		n.a.
W17	8 11	26 37	3 8	0 1	1 56	5 38	1 40	24 36	2 4	7 46	0 58	23 5	1 8	12 9	0 48	23 6	0 12	12 12	7 14	16 15	16 31	11 15		n.a.
T 18	8 33	24 22	2 12	0n51	1 49	5 10	1 41	24 31	2 3	7 51	0 58	23 5	1 8	12 9	0 48	23 6	0 12	12 11	7 14	16 16	16 32	11 12		n.a.
F 19	8 55	21 4	1 12	1 43	1 41	4 41	1 41	24 26	2 2	7 56	0 58	23 4	1 8	12 10	0 48	23 6	0 12	12 11	7 15	16 16	16 33	11 9		n.a.
S 20	9 16	16 56	0 10	2 37	1 33	4 13	1 41	24 21	2 0	8 2	0 58	23 4	1 8	12 10	0 48	23 6	0 12	12 11	7 15	16 15	16 34	11 6		n.a.
S 21	9 38	12 12	0n53	3 31	1 24	3 44	1 42	24 15	1 59	8 7	0 58	23 4	1 8	12 11	0 48	23 6	0 12	12 10	7 15	16 16	16 35	11 3		n.a.
M22	9 59	7 1	1 53	4 27	1 15	3 16	1 42	24 10	1 58	8 12	0 57	23 3	1 8	12 11	0 48	23 6	0 12	12 10	7 15	16 16	16 36	11 0		n.a.
T 23	10 20	1 33	2 49	5 23	1 5	2 47	1 42	24 5	1 56	8 18	0 57	23 3	1 8	12 11	0 48	23 6	0 12	12 10	7 15	16 18	16 37	10 57		n.a.
W24	10 41	4n 2	3 38	6 20	0 55	2 18	1 42	23 59	1 55	8 23	0 57	23 2	1 8	12 12	0 48	23 6	0 12	12 9	7 15	16 20	16 38	10 53		n.a.
T 25	11 2	9 33	4 17	7 17	0 45	1 49	1 42	23 53	1 54	8 28	0 57	23 2	1 8	12 12	0 48	23 6	0 12	12 9	7 15	16 23	16 39	10 50		n.a.
F 26	11 23	14 47	4 45	8 14	0 35	1 20	1 42	23 47	1 53	8 34	0 57	23 1	1 8	12 12	0 48	23 6	0 12	12 9	7 15	16 26	16 40	10 47		n.a.
S 27	11 43	19 29	5 0	9 12	0 24	0 51	1 42	23 41	1 52	8 39	0 57	23 1	1 8	12 13	0 48	23 6	0 12	12 9	7 15	16 30	16 41	10 44		n.a.
S 28	12 3	23 21	4 59	10 9	0 14	0 22	1 42	23 35	1 50	8 44	0 57	23 0	1 8	12 13	0 48	23 6	0 12	12 8	7 15	16 33	16 42	10 41		n.a.
M29	12 24	26 6	4 42	11 6	0 3	0n 7	1 42	23 29	1 49	8 49	0 57	23 0	1 8	12 13	0 48	23 6	0 12	12 8	7 15	16 37	16 43	10 38		n.a.
T 30	12n43	27n25	4n10	12n 3	0n 7	0n37	1s41	23n23	1n48	8n55	0s57	22n59	1n 8	12n13	0n48	23s 6	0n12	12s 8	7n15	16s39	16s44	10s35		n.a.

Julian Day Number = 1550576.5, Delta T = 04h31m09s
Ecliptic obliquity = 23°45'14, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'57, Lahiri = -10°24'57 Julian Calendar 1 Apr. 468 BCE == Greg. Calendar 27 March 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

MAY 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 12 42	4♉ 6'13	2♋13	3♉ 5	6♈34	24♋24	25♈12	22♋25	0°R23	10°R58	24°R31	14°R33	14♒21	29♒31	n.a.	W 1
T 2	14 16 39	5° 3'33	15°55	5°16	7°46	24°54	25°26	22°28	0♍23	10♑58	24♏29	14♒30	14°18	29°38	n.a.	T 2
F 3	14 20 36	6° 0'51	29°47	7°28	8°58	25°24	25°40	22°31	0°22	10°58	24°28	14°29	14°14	29°45	n.a.	F 3
S 4	14 24 32	6°58'07	13♌49	9°40	10°11	25°54	25°54	22°35	0°22	10°57	24°26	14°29	14°11	29°51	n.a.	S 4
S 5	14 28 29	7°55'23	28° 1	11°51	11°23	26°24	26° 8	22°38	0°21	10°57	24°25	14°29	14° 8	29°58	n.a.	S 5
M 6	14 32 25	8°52'37	12♍22	14° 1	12°35	26°55	26°22	22°42	0°21	10°56	24°23	14°27	14° 5	0♓ 5	n.a.	M 6
T 7	14 36 22	9°49'51	26°48	16°10	13°47	27°25	26°36	22°46	0°20	10°55	24°22	14°23	14° 2	0°11	n.a.	T 7
W 8	14 40 18	10°47'03	11♎15	18°18	14°59	27°56	26°49	22°50	0°20	10°55	24°20	14°16	13°59	0°18	n.a.	W 8
T 9	14 44 15	11°44'15	25°39	20°25	16°12	28°27	27° 3	22°53	0°20	10°54	24°19	14° 6	13°55	0°25	n.a.	T 9
F 10	14 48 11	12°41'26	9♏53	22°30	17°24	28°58	27°17	22°57	0°19	10°54	24°17	13°55	13°52	0°31	n.a.	F 10
S 11	14 52 8	13°38'36	23°51	24°33	18°36	29°29	27°31	23° 2	0°19	10°53	24°16	13°43	13°49	0°38	n.a.	S 11
S 12	14 56 5	14°35'46	7♐29	26°34	19°49	0♌ 0	27°44	23° 6	0°19	10°52	24°14	13°32	13°46	0°45	n.a.	S 12
M13	15 0 1	15°32'55	20°44	28°33	21° 1	0°32	27°58	23°10	0°19	10°52	24°13	13°23	13°43	0°51	n.a.	M13
T 14	15 3 58	16°30'04	3♑37	0♊30	22°13	1° 4	28°12	23°14	0°D19	10°51	24°11	13°16	13°40	0°58	n.a.	T 14
W15	15 7 54	17°27'13	16° 8	2°25	23°26	1°35	28°25	23°19	0°19	10°50	24°10	13°12	13°36	1° 5	n.a.	W15
T 16	15 11 51	18°24'21	28°21	4°18	24°38	2° 7	28°39	23°23	0°19	10°49	24° 8	13°10	13°33	1°11	n.a.	T 16
F 17	15 15 47	19°21'29	10♒21	6° 9	25°51	2°39	28°52	23°28	0°19	10°48	24° 7	13°D 9	13°30	1°18	n.a.	F 17
S 18	15 19 44	20°18'37	22°12	7°57	27° 3	3°12	29° 6	23°32	0°19	10°47	24° 5	13°R 9	13°27	1°25	n.a.	S 18
S 19	15 23 40	21°15'45	4♓ 1	9°43	28°16	3°44	29°19	23°37	0°20	10°47	24° 3	13° 8	13°24	1°31	n.a.	S 19
M20	15 27 37	22°12'53	15°52	11°27	29°28	4°16	29°33	23°42	0°20	10°46	24° 2	13° 6	13°20	1°38	n.a.	M20
T 21	15 31 34	23°10'00	27°51	13° 8	0♉41	4°49	29°46	23°47	0°20	10°45	24° 0	13° 2	13°17	1°45	n.a.	T 21
W22	15 35 30	24° 7'08	10♈ 1	14°47	1°54	5°22	29°59	23°52	0°21	10°44	23°59	12°56	13°14	1°51	n.a.	W22
T 23	15 39 27	25° 4'15	22°26	16°24	3° 6	5°55	0♉13	23°57	0°21	10°43	23°57	12°46	13°11	1°58	n.a.	T 23
F 24	15 43 23	26° 1'23	5♉ 9	17°58	4°19	6°28	0°26	24° 2	0°22	10°42	23°56	12°35	13° 8	2° 4	n.a.	F 24
S 25	15 47 20	26°58'30	18° 9	19°30	5°32	7° 1	0°40	24° 7	0°22	10°41	23°54	12°23	13° 5	2°11	n.a.	S 25
S 26	15 51 16	27°55'38	1♊26	21° 0	6°44	7°34	0°53	24°12	0°23	10°40	23°53	12°12	13° 1	2°18	n.a.	S 26
M27	15 55 13	28°52'45	14°59	22°27	7°57	8° 8	1° 6	24°17	0°23	10°39	23°51	12° 1	12°58	2°24	n.a.	M27
T 28	15 59 10	29°49'52	28°43	23°52	9°10	8°41	1°19	24°23	0°24	10°37	23°49	11°53	12°55	2°31	n.a.	T 28
W29	16 3 6	0♊46'59	12♋37	25°14	10°23	9°15	1°32	24°28	0°25	10°36	23°48	11°48	12°52	2°38	n.a.	W29
T 30	16 7 3	1°44'06	26°37	26°34	11°35	9°49	1°45	24°33	0°26	10°35	23°46	11°45	12°49	2°44	n.a.	T 30
F 31	16 10 59	2♊41'12	10♌41	27♊51	12♉48	10♌23	1♉58	24♋39	0♍27	10♑34	23♏45	11°D44	12♒46	2♓51	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	13n 3	27n 8	3n24	12n59	0n18	1n 6	1s41	23n16	1n47	9n 0	0s57	22n59	1n 8	12n14	0n48	23s 6	0n12	12s 7	7n15	16s41	16s44	10s31			n.a.
T 2	13 23	25 11	2 25	13 54	0 28	1 35	1 40	23 10	1 46	9 5	0 57	22 58	1 8	12 14	0 48	23 6	0 12	12 7	7 15	16 42	16 45	10 28			n.a.
F 3	13 42	21 43	1 17	14 47	0 38	2 4	1 40	23 3	1 44	9 10	0 57	22 58	1 8	12 14	0 48	23 6	0 12	12 7	7 15	16 42	16 46	10 25			n.a.
S 4	14 1	16 57	0 4	15 39	0 48	2 34	1 39	22 56	1 43	9 15	0 57	22 57	1 8	12 14	0 48	23 6	0 12	12 6	7 15	16 42	16 47	10 22			n.a.
S 5	14 20	11 13	1s11	16 30	0 57	3 3	1 39	22 49	1 42	9 20	0 57	22 56	1 8	12 14	0 48	23 6	0 12	12 6	7 14	16 42	16 48	10 19			n.a.
M 6	14 39	4 50	2 22	17 18	1 6	3 32	1 38	22 42	1 41	9 25	0 57	22 56	1 8	12 14	0 48	23 6	0 12	12 6	7 14	16 43	16 49	10 16			n.a.
T 7	14 57	1s49	3 24	18 5	1 15	4 1	1 37	22 35	1 40	9 30	0 57	22 55	1 8	12 14	0 48	23 6	0 12	12 5	7 14	16 44	16 50	10 13			n.a.
W 8	15 15	8 22	4 13	18 50	1 23	4 30	1 36	22 27	1 39	9 36	0 57	22 54	1 8	12 15	0 48	23 6	0 12	12 5	7 14	16 46	16 51	10 9			n.a.
T 9	15 33	14 27	4 45	19 32	1 30	4 59	1 35	22 20	1 37	9 41	0 57	22 54	1 8	12 15	0 48	23 6	0 12	12 5	7 14	16 49	16 52	10 6			n.a.
F 10	15 51	19 42	5 0	20 11	1 37	5 28	1 34	22 12	1 36	9 46	0 57	22 53	1 8	12 15	0 48	23 6	0 12	12 4	7 14	16 52	16 53	10 3			n.a.
S 11	16 8	23 45	4 56	20 49	1 43	5 57	1 33	22 5	1 35	9 51	0 57	22 52	1 8	12 15	0 48	23 6	0 12	12 4	7 14	16 55	16 54	10 0			n.a.
S 12	16 26	26 22	4 35	21 24	1 48	6 26	1 32	21 57	1 34	9 56	0 57	22 51	1 8	12 15	0 47	23 6	0 12	12 4	7 14	16 59	16 55	9 57			n.a.
M13	16 43	27 25	4 0	21 56	1 53	6 55	1 31	21 49	1 33	10 1	0 57	22 51	1 8	12 15	0 47	23 7	0 12	12 3	7 14	17 1	16 56	9 54			n.a.
T 14	16 59	26 55	3 13	22 26	1 57	7 23	1 29	21 41	1 32	10 6	0 57	22 50	1 8	12 15	0 47	23 7	0 12	12 3	7 14	17 3	16 57	9 50			n.a.
W15	17 16	25 3	2 18	22 53	2 0	7 51	1 28	21 33	1 31	10 10	0 56	22 49	1 7	12 15	0 47	23 7	0 12	12 3	7 14	17 5	16 57	9 47			n.a.
T 16	17 32	22 2	1 18	23 17	2 3	8 20	1 27	21 24	1 30	10 15	0 56	22 48	1 7	12 14	0 47	23 7	0 12	12 3	7 14	17 5	16 58	9 44			n.a.
F 17	17 48	18 7	0 15	23 39	2 4	8 48	1 25	21 16	1 29	10 20	0 56	22 48	1 7	12 14	0 47	23 7	0 12	12 2	7 14	17 5	16 59	9 41			n.a.
S 18	18 3	13 32	0n48	23 59	2 5	9 16	1 24	21 7	1 28	10 25	0 56	22 47	1 7	12 14	0 47	23 7	0 12	12 2	7 14	17 5	17 0	9 38			n.a.
S 19	18 19	8 29	1 48	24 16	2 6	9 43	1 22	20 58	1 27	10 30	0 56	22 46	1 7	12 14	0 47	23 7	0 12	12 2	7 14	17 6	17 1	9 35			n.a.
M20	18 34	3 8	2 44	24 31	2 6	10 11	1 20	20 50	1 26	10 35	0 56	22 45	1 7	12 14	0 47	23 7	0 12	12 1	7 14	17 6	17 2	9 31			n.a.
T 21	18 48	2n23	3 33	24 44	2 5	10 38	1 19	20 41	1 24	10 40	0 56	22 44	1 7	12 14	0 47	23 7	0 12	12 1	7 13	17 7	17 3	9 28			n.a.
W22	19 3	7 54	4 14	24 55	2 3	11 5	1 17	20 31	1 23	10 44	0 56	22 43	1 7	12 14	0 47	23 7	0 12	12 1	7 13	17 9	17 4	9 25			n.a.
T 23	19 17	13 12	4 43	25 3	2 1	11 32	1 15	20 22	1 22	10 49	0 56	22 42	1 7	12 13	0 47	23 7	0 12	12 1	7 13	17 12	17 5	9 22			n.a.
F 24	19 31	18 5	4 59	25 9	1 58	11 58	1 14	20 13	1 21	10 54	0 56	22 41	1 7	12 13	0 47	23 7	0 12	12 0	7 13	17 15	17 6	9 19			n.a.
S 25	19 44	22 15	5 0	25 14	1 54	12 25	1 12	20 3	1 20	10 58	0 56	22 41	1 7	12 13	0 47	23 8	0 12	12 0	7 13	17 18	17 7	9 16			n.a.
S 26	19 57	25 22	4 45	25 16	1 50	12 51	1 10	19 54	1 19	11 3	0 56	22 40	1 7	12 13	0 47	23 8	0 12	12 0	7 13	17 22	17 8	9 12			n.a.
M27	20 10	27 6	4 14	25 17	1 45	13 16	1 8	19 44	1 18	11 8	0 56	22 39	1 7	12 12	0 47	23 8	0 12	11 59	7 13	17 25	17 8	9 9			n.a.
T 28	20 23	27 12	3 27	25 16	1 40	13 42	1 6	19 34	1 17	11 12	0 56	22 38	1 7	12 12	0 47	23 8	0 12	11 59	7 13	17 27	17 9	9 6			n.a.
W29	20 35	25 36	2 28	25 14	1 34	14 7	1 4	19 24	1 16	11 17	0 56	22 37	1 7	12 12	0 47	23 8	0 12	11 59	7 13	17 29	17 10	9 3			n.a.
T 30	20 47	22 25	1 20	25 10	1 27	14 32	1 2	19 14	1 15	11 22	0 56	22 36	1 7	12 12	0 47	23 8	0 12	11 59	7 12	17 29	17 11	9 0			n.a.
F 31	20n58	17n53	0n 6	25n 4	1n20	14n56	1s 0	19n 3	1n14	11n26	0s56	22n35	1n 7	12n11	0n47	23s 8	0n12	11s58	7n12	17s30	17s12	8s56			n.a.

Julian Day Number = 1550606.5, Delta T = 04h31m07s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'53, Lahiri = -10°24'53 Julian Calendar 1 May 468 BCE == Greg. Calendar 26 Apr. 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

JUNE 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 14 56	3♊38'19	24♌48	29♊ 5	14♉ 1	10♌57	2♉11	24♋45	0♍27	10°R33	23°R43	11♒44	12♒42	2♓58	n.a.	S 1
S 2	16 18 52	4°35'25	8♍56	0♋17	15°14	11°31	2°24	24°50	0°28	10♑32	23♏42	11°R44	12°39	3° 4	n.a.	S 2
M 3	16 22 49	5°32'30	23° 5	1°27	16°27	12° 5	2°37	24°56	0°29	10°30	23°40	11°43	12°36	3°11	n.a.	M 3
T 4	16 26 45	6°29'36	7♎13	2°33	17°40	12°40	2°49	25° 2	0°31	10°29	23°39	11°40	12°33	3°18	n.a.	T 4
W 5	16 30 42	7°26'41	21°17	3°37	18°53	13°14	3° 2	25° 8	0°32	10°28	23°37	11°34	12°30	3°24	n.a.	W 5
T 6	16 34 39	8°23'47	5♏15	4°37	20° 6	13°49	3°15	25°14	0°33	10°26	23°36	11°26	12°26	3°31	n.a.	T 6
F 7	16 38 35	9°20'53	19° 3	5°35	21°19	14°24	3°27	25°19	0°34	10°25	23°34	11°17	12°23	3°38	n.a.	F 7
S 8	16 42 32	10°17'59	2♐38	6°29	22°32	14°58	3°40	25°25	0°35	10°24	23°33	11° 7	12°20	3°44	n.a.	S 8
S 9	16 46 28	11°15'05	15°57	7°20	23°45	15°33	3°52	25°32	0°37	10°22	23°31	10°57	12°17	3°51	n.a.	S 9
M10	16 50 25	12°12'12	28°58	8° 7	24°58	16° 9	4° 5	25°38	0°38	10°21	23°30	10°49	12°14	3°58	n.a.	M10
T 11	16 54 21	13° 9'19	11♑41	8°51	26°11	16°44	4°17	25°44	0°40	10°20	23°28	10°43	12°11	4° 4	n.a.	T 11
W12	16 58 18	14° 6'27	24° 6	9°32	27°24	17°19	4°29	25°50	0°41	10°18	23°27	10°40	12° 7	4°11	n.a.	W12
T 13	17 2 15	15° 3'35	6♒16	10° 8	28°37	17°54	4°42	25°56	0°43	10°17	23°25	10°D38	12° 4	4°18	n.a.	T 13
F 14	17 6 11	16° 0'44	18°15	10°41	29°51	18°30	4°54	26° 3	0°44	10°15	23°24	10°39	12° 1	4°24	n.a.	F 14
S 15	17 10 8	16°57'54	0♓ 7	11° 9	1♊ 4	19° 5	5° 6	26° 9	0°46	10°14	23°23	10°40	11°58	4°31	n.a.	S 15
S 16	17 14 4	17°55'05	11°56	11°33	2°17	19°41	5°18	26°16	0°47	10°12	23°21	10°40	11°55	4°38	n.a.	S 16
M17	17 18 1	18°52'16	23°48	11°53	3°30	20°17	5°30	26°22	0°49	10°11	23°20	10°R40	11°52	4°44	n.a.	M17
T 18	17 21 57	19°49'28	5♈48	12° 8	4°44	20°53	5°42	26°28	0°51	10° 9	23°18	10°39	11°48	4°51	n.a.	T 18
W19	17 25 54	20°46'42	18° 1	12°18	5°57	21°29	5°53	26°35	0°53	10° 8	23°17	10°36	11°45	4°58	n.a.	W19
T 20	17 29 50	21°43'56	0♉31	12°23	7°11	22° 5	6° 5	26°42	0°55	10° 6	23°16	10°30	11°42	5° 4	n.a.	T 20
F 21	17 33 47	22°41'11	13°21	12°R24	8°24	22°41	6°17	26°48	0°56	10° 5	23°14	10°24	11°39	5°11	n.a.	F 21
S 22	17 37 44	23°38'27	26°33	12°20	9°37	23°18	6°28	26°55	0°58	10° 3	23°13	10°16	11°36	5°18	n.a.	S 22
S 23	17 41 40	24°35'44	10♊ 6	12°10	10°51	23°54	6°40	27° 2	1° 0	10° 2	23°12	10° 8	11°32	5°24	n.a.	S 23
M24	17 45 37	25°33'02	23°59	11°56	12° 4	24°30	6°51	27° 9	1° 2	10° 0	23°11	10° 2	11°29	5°31	n.a.	M24
T 25	17 49 33	26°30'21	8♋ 7	11°37	13°18	25° 7	7° 2	27°15	1° 5	9°59	23° 9	9°57	11°26	5°38	n.a.	T 25
W26	17 53 30	27°27'41	22°26	11°13	14°31	25°44	7°14	27°22	1° 7	9°57	23° 8	9°53	11°23	5°44	n.a.	W26
T 27	17 57 26	28°25'01	6♌50	10°44	15°45	26°21	7°25	27°29	1° 9	9°56	23° 7	9°D52	11°20	5°51	n.a.	T 27
F 28	18 1 23	29°22'23	21°16	10°11	16°59	26°58	7°36	27°36	1°11	9°54	23° 6	9°53	11°17	5°58	n.a.	F 28
S 29	18 5 19	0♋19'45	5♍38	9°35	18°12	27°35	7°47	27°43	1°13	9°52	23° 5	9°54	11°13	6° 4	n.a.	S 29
S 30	18 9 16	1♋17'07	19♍54	8♋55	19♊26	28♌12	7♉57	27♋50	1♍16	9♑51	23♏ 3	9♒55	11♒10	6♓11	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 9	12n21	1s 9	24n57	1n12	15n20	0s58	18n53	1n13	11n31	0s56	22n34	1n 7	12n11	0n47	23s 8	0n12	11s58	7n12	17s30	17s13	8s53		n.a.
S 2	21 20	6 10	2 19	24 49	1 4	15 44	0 55	18 43	1 12	11 35	0 56	22 33	1 7	12 10	0 47	23 8	0 12	11 58	7 12	17 30	17 14	8 50		n.a.
M 3	21 31	0s18	3 21	24 40	0 55	16 7	0 53	18 32	1 11	11 39	0 56	22 31	1 7	12 10	0 47	23 8	0 12	11 58	7 12	17 30	17 15	8 47		n.a.
T 4	21 41	6 44	4 11	24 29	0 46	16 30	0 51	18 21	1 10	11 44	0 56	22 30	1 7	12 10	0 46	23 9	0 12	11 58	7 12	17 31	17 16	8 44		n.a.
W 5	21 50	12 48	4 45	24 18	0 36	16 53	0 49	18 10	1 9	11 48	0 56	22 29	1 7	12 9	0 46	23 9	0 11	11 57	7 11	17 32	17 17	8 40		n.a.
T 6	22 0	18 10	5 2	24 6	0 25	17 15	0 46	17 59	1 8	11 53	0 56	22 28	1 7	12 9	0 46	23 9	0 11	11 57	7 11	17 35	17 18	8 37		n.a.
F 7	22 9	22 32	5 1	23 53	0 14	17 37	0 44	17 48	1 7	11 57	0 56	22 27	1 7	12 8	0 46	23 9	0 11	11 57	7 11	17 37	17 18	8 34		n.a.
S 8	22 17	25 35	4 43	23 39	0 3	17 58	0 42	17 37	1 6	12 1	0 56	22 26	1 7	12 8	0 46	23 9	0 11	11 57	7 11	17 40	17 19	8 31		n.a.
S 9	22 25	27 8	4 10	23 24	0s 9	18 19	0 40	17 25	1 5	12 5	0 56	22 25	1 7	12 7	0 46	23 9	0 11	11 57	7 11	17 43	17 20	8 28		n.a.
M10	22 33	27 9	3 24	23 9	0 21	18 39	0 37	17 14	1 4	12 10	0 56	22 24	1 7	12 7	0 46	23 9	0 11	11 56	7 11	17 45	17 21	8 24		n.a.
T 11	22 41	25 42	2 29	22 54	0 33	18 59	0 35	17 2	1 3	12 14	0 56	22 23	1 7	12 6	0 46	23 9	0 11	11 56	7 10	17 46	17 22	8 21		n.a.
W12	22 48	23 1	1 28	22 38	0 46	19 19	0 32	16 50	1 3	12 18	0 56	22 21	1 7	12 6	0 46	23 9	0 11	11 56	7 10	17 47	17 23	8 18		n.a.
T 13	22 54	19 20	0 23	22 22	0 59	19 38	0 30	16 38	1 2	12 22	0 56	22 20	1 7	12 5	0 46	23 10	0 11	11 56	7 10	17 48	17 24	8 15		n.a.
F 14	23 0	14 55	0n41	22 6	1 13	19 56	0 28	16 26	1 1	12 26	0 56	22 19	1 7	12 4	0 46	23 10	0 11	11 56	7 10	17 48	17 25	8 12		n.a.
S 15	23 6	9 59	1 43	21 50	1 27	20 14	0 25	16 14	1 0	12 30	0 57	22 18	1 7	12 4	0 46	23 10	0 11	11 56	7 10	17 48	17 26	8 8		n.a.
S 16	23 12	4 43	2 40	21 34	1 41	20 31	0 23	16 2	0 59	12 34	0 57	22 17	1 7	12 3	0 46	23 10	0 11	11 55	7 9	17 47	17 27	8 5		n.a.
M17	23 17	0n44	3 31	21 18	1 55	20 48	0 20	15 50	0 58	12 38	0 57	22 15	1 7	12 2	0 46	23 10	0 11	11 55	7 9	17 47	17 27	8 2		n.a.
T 18	23 21	6 12	4 13	21 3	2 9	21 4	0 18	15 37	0 57	12 42	0 57	22 14	1 7	12 2	0 46	23 10	0 11	11 55	7 9	17 48	17 28	7 59		n.a.
W19	23 26	11 32	4 45	20 48	2 23	21 20	0 15	15 25	0 56	12 46	0 57	22 13	1 7	12 1	0 46	23 10	0 11	11 55	7 9	17 49	17 29	7 56		n.a.
T 20	23 29	16 31	5 3	20 33	2 38	21 35	0 13	15 12	0 55	12 50	0 57	22 12	1 7	12 0	0 46	23 10	0 11	11 55	7 9	17 50	17 30	7 52		n.a.
F 21	23 33	20 56	5 7	20 19	2 52	21 50	0 10	14 59	0 54	12 54	0 57	22 10	1 7	12 0	0 46	23 11	0 11	11 55	7 8	17 52	17 31	7 49		n.a.
S 22	23 36	24 25	4 56	20 6	3 5	22 3	0 8	14 46	0 53	12 58	0 57	22 9	1 7	11 59	0 46	23 11	0 11	11 55	7 8	17 54	17 32	7 46		n.a.
S 23	23 38	26 40	4 27	19 53	3 19	22 17	0 5	14 33	0 52	13 1	0 57	22 8	1 7	11 58	0 46	23 11	0 11	11 55	7 8	17 56	17 33	7 43		n.a.
M24	23 41	27 19	3 43	19 42	3 32	22 29	0 3	14 20	0 51	13 5	0 57	22 6	1 7	11 57	0 46	23 11	0 11	11 55	7 8	17 58	17 34	7 40		n.a.
T 25	23 42	26 13	2 43	19 31	3 44	22 41	0 0	14 7	0 50	13 9	0 57	22 5	1 7	11 57	0 46	23 11	0 11	11 54	7 8	17 59	17 35	7 36		n.a.
W26	23 44	23 23	1 33	19 22	3 55	22 53	0n 2	13 53	0 50	13 13	0 57	22 4	1 7	11 56	0 46	23 11	0 11	11 54	7 7	18 0	17 35	7 33		n.a.
T 27	23 45	19 4	0 16	19 14	4 6	23 3	0 5	13 40	0 49	13 16	0 57	22 2	1 7	11 55	0 46	23 11	0 11	11 54	7 7	18 0	17 36	7 30		n.a.
F 28	23 45	13 38	1s 2	19 7	4 15	23 13	0 7	13 26	0 48	13 20	0 57	22 1	1 7	11 54	0 46	23 11	0 11	11 54	7 7	18 0	17 37	7 27		n.a.
S 29	23 45	7 28	2 15	19 1	4 24	23 23	0 9	13 12	0 47	13 23	0 57	22 0	1 7	11 53	0 45	23 12	0 11	11 54	7 7	18 0	17 38	7 24		n.a.
S 30	23n45	0n59	3s20	18n57	4s31	23n31	0n12	12n58	0n46	13n27	0s57	21n58	1n 7	11n52	0n45	23s12	0n11	11s54	7n 6	18s 0	17s39	7s20		n.a.

Julian Day Number = 1550637.5, Delta T = 04h31m06s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'49, Lahiri = -10°24'49 Julian Calendar 1 June 468 BCE == Greg. Calendar 27 May 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

JULY 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 13 13	2♋14'30	4♎ 2	8°R12	20♊40	28♌49	8♉ 8	27♋57	1♍18	9°R49	23°R 2	9°R55	11♒ 7	6♓17	n.a.	M 1
T 2	18 17 9	3°11'54	18° 1	7♋27	21°53	29°26	8°19	28° 4	1°20	9♑47	23♏ 1	9♒54	11° 4	6°24	n.a.	T 2
W 3	18 21 6	4° 9'19	1♏49	6°41	23° 7	0♍ 4	8°29	28°11	1°23	9°46	23° 0	9°52	11° 1	6°31	n.a.	W 3
T 4	18 25 2	5° 6'45	15°25	5°54	24°21	0°41	8°40	28°18	1°25	9°44	22°59	9°48	10°58	6°37	n.a.	T 4
F 5	18 28 59	6° 4'12	28°49	5° 8	25°35	1°19	8°50	28°25	1°28	9°43	22°58	9°43	10°54	6°44	n.a.	F 5
S 6	18 32 55	7° 1'40	11♐59	4°23	26°49	1°56	9° 1	28°33	1°30	9°41	22°57	9°38	10°51	6°51	n.a.	S 6
S 7	18 36 52	7°59'08	24°55	3°40	28° 2	2°34	9°11	28°40	1°33	9°39	22°56	9°33	10°48	6°57	n.a.	S 7
M 8	18 40 49	8°56'39	7♑37	3° 0	29°16	3°12	9°21	28°47	1°35	9°38	22°55	9°29	10°45	7° 4	n.a.	M 8
T 9	18 44 45	9°54'10	20° 5	2°24	0♋30	3°50	9°31	28°54	1°38	9°36	22°54	9°26	10°42	7°11	n.a.	T 9
W10	18 48 42	10°51'43	2♒20	1°52	1°44	4°28	9°41	29° 2	1°41	9°34	22°53	9°24	10°38	7°17	n.a.	W10
T 11	18 52 38	11°49'17	14°24	1°25	2°58	5° 6	9°50	29° 9	1°44	9°33	22°52	9°D24	10°35	7°24	n.a.	T 11
F 12	18 56 35	12°46'52	26°20	1° 4	4°12	5°44	10° 0	29°16	1°46	9°31	22°51	9°25	10°32	7°31	n.a.	F 12
S 13	19 0 31	13°44'29	8♓10	0°49	5°26	6°22	10° 9	29°23	1°49	9°30	22°51	9°27	10°29	7°37	n.a.	S 13
S 14	19 4 28	14°42'08	19°58	0°42	6°40	7° 1	10°19	29°31	1°52	9°28	22°50	9°28	10°26	7°44	n.a.	S 14
M15	19 8 24	15°39'48	1♈50	0°D41	7°54	7°39	10°28	29°38	1°55	9°26	22°49	9°30	10°23	7°51	n.a.	M15
T 16	19 12 21	16°37'30	13°50	0°47	9° 8	8°18	10°37	29°46	1°58	9°25	22°48	9°R30	10°19	7°57	n.a.	T 16
W17	19 16 18	17°35'14	26° 2	1° 1	10°23	8°56	10°46	29°53	2° 1	9°23	22°48	9°30	10°16	8° 4	n.a.	W17
T 18	19 20 14	18°33'00	8♉32	1°22	11°37	9°35	10°55	0♌ 0	2° 4	9°21	22°47	9°29	10°13	8°11	n.a.	T 18
F 19	19 24 11	19°30'47	21°23	1°51	12°51	10°14	11° 4	0° 8	2° 7	9°20	22°46	9°27	10°10	8°17	n.a.	F 19
S 20	19 28 7	20°28'36	4♊37	2°27	14° 5	10°53	11°13	0°15	2°10	9°18	22°45	9°25	10° 7	8°24	n.a.	S 20
S 21	19 32 4	21°26'28	18°17	3°11	15°20	11°32	11°21	0°23	2°13	9°17	22°45	9°22	10° 3	8°31	n.a.	S 21
M22	19 36 0	22°24'21	2♋20	4° 2	16°34	12°11	11°30	0°30	2°16	9°15	22°44	9°20	10° 0	8°37	n.a.	M22
T 23	19 39 57	23°22'15	16°45	5° 0	17°48	12°50	11°38	0°38	2°19	9°14	22°44	9°18	9°57	8°44	n.a.	T 23
W24	19 43 53	24°20'12	1♌25	6° 4	19° 2	13°29	11°46	0°45	2°22	9°12	22°43	9°17	9°54	8°51	n.a.	W24
T 25	19 47 50	25°18'10	16°14	7°15	20°17	14° 8	11°54	0°53	2°25	9°10	22°43	9°D17	9°51	8°57	n.a.	T 25
F 26	19 51 47	26°16'09	1♍ 4	8°32	21°31	14°48	12° 2	1° 0	2°29	9° 9	22°42	9°18	9°48	9° 4	n.a.	F 26
S 27	19 55 43	27°14'10	15°49	9°54	22°46	15°27	12°10	1° 8	2°32	9° 7	22°42	9°19	9°44	9°11	n.a.	S 27
S 28	19 59 40	28°12'13	0♎22	11°22	24° 0	16° 7	12°17	1°15	2°35	9° 6	22°41	9°20	9°41	9°17	n.a.	S 28
M29	20 3 36	29°10'16	14°40	12°55	25°15	16°46	12°25	1°23	2°39	9° 4	22°41	9°20	9°38	9°24	n.a.	M29
T 30	20 7 33	0♌ 8'22	28°40	14°31	26°29	17°26	12°32	1°30	2°42	9° 3	22°41	9°R21	9°35	9°31	n.a.	T 30
W31	20 11 29	1♌ 6'29	12♏21	16♋12	27♋44	18♍ 6	12♉39	1♌38	2♍45	9♑ 1	22♏40	9♒21	9♒32	9♓37	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	23n44	5s29	4s13	18n54	4s36	23n39	0n14	12n44	0n45	13n30	0s57	21n57	1n 8	11n52	0n45	23s12	0n11	11s54	7n 6	18s 0		17s40		7s17			n.a.
T 2	23 43	11 36	4 49	18 53	4 40	23 47	0 17	12 30	0 44	13 34	0 57	21 55	1 8	11 51	0 45	23 12	0 11	11 54	7 6	18 0		17 41		7 14			n.a.
W 3	23 41	17 4	5 8	18 53	4 42	23 53	0 19	12 16	0 43	13 37	0 57	21 54	1 8	11 50	0 45	23 12	0 11	11 54	7 6	18 1		17 42		7 11			n.a.
T 4	23 39	21 36	5 10	18 55	4 42	23 59	0 21	12 2	0 42	13 40	0 57	21 52	1 8	11 49	0 45	23 12	0 11	11 54	7 5	18 2		17 43		7 7			n.a.
F 5	23 37	24 56	4 54	18 59	4 41	24 4	0 24	11 48	0 42	13 44	0 57	21 51	1 8	11 48	0 45	23 12	0 11	11 54	7 5	18 3		17 43		7 4			n.a.
S 6	23 34	26 52	4 24	19 3	4 37	24 9	0 26	11 33	0 41	13 47	0 57	21 50	1 8	11 47	0 45	23 13	0 11	11 54	7 5	18 4		17 44		7 1			n.a.
S 7	23 31	27 19	3 40	19 10	4 32	24 13	0 28	11 19	0 40	13 50	0 57	21 48	1 8	11 46	0 45	23 13	0 11	11 54	7 5	18 6		17 45		6 58			n.a.
M 8	23 27	26 17	2 45	19 18	4 26	24 16	0 30	11 4	0 39	13 53	0 57	21 47	1 8	11 45	0 45	23 13	0 11	11 54	7 4	18 7		17 46		6 55			n.a.
T 9	23 23	23 56	1 44	19 27	4 17	24 18	0 33	10 49	0 38	13 57	0 57	21 45	1 8	11 44	0 45	23 13	0 11	11 54	7 4	18 8		17 47		6 51			n.a.
W10	23 18	20 31	0 39	19 37	4 7	24 19	0 35	10 35	0 37	14 0	0 58	21 44	1 8	11 43	0 45	23 13	0 11	11 54	7 4	18 8		17 48		6 48			n.a.
T 11	23 13	16 17	0n27	19 49	3 56	24 20	0 37	10 20	0 36	14 3	0 58	21 42	1 8	11 42	0 45	23 13	0 11	11 54	7 3	18 8		17 49		6 45			n.a.
F 12	23 8	11 28	1 32	20 2	3 43	24 20	0 39	10 5	0 35	14 6	0 58	21 41	1 8	11 41	0 45	23 13	0 11	11 54	7 3	18 8		17 50		6 42			n.a.
S 13	23 2	6 17	2 32	20 15	3 30	24 20	0 41	9 50	0 35	14 9	0 58	21 39	1 8	11 40	0 45	23 13	0 11	11 54	7 3	18 7		17 50		6 38			n.a.
S 14	22 56	0 53	3 25	20 30	3 15	24 18	0 43	9 34	0 34	14 12	0 58	21 38	1 8	11 39	0 45	23 14	0 11	11 54	7 3	18 7		17 51		6 35			n.a.
M15	22 49	4n33	4 10	20 45	3 0	24 16	0 45	9 19	0 33	14 14	0 58	21 36	1 8	11 38	0 45	23 14	0 11	11 55	7 2	18 7		17 52		6 32			n.a.
T 16	22 42	9 53	4 44	21 1	2 44	24 13	0 47	9 4	0 32	14 17	0 58	21 35	1 8	11 37	0 45	23 14	0 11	11 55	7 2	18 6		17 53		6 29			n.a.
W17	22 35	14 56	5 7	21 17	2 28	24 10	0 49	8 48	0 31	14 20	0 58	21 33	1 8	11 36	0 45	23 14	0 11	11 55	7 2	18 6		17 54		6 26			n.a.
T 18	22 27	19 30	5 15	21 34	2 11	24 5	0 51	8 33	0 30	14 23	0 58	21 31	1 8	11 35	0 45	23 14	0 11	11 55	7 1	18 7		17 55		6 22			n.a.
F 19	22 19	23 18	5 9	21 50	1 54	24 0	0 53	8 17	0 29	14 25	0 58	21 30	1 8	11 33	0 45	23 14	0 11	11 55	7 1	18 7		17 56		6 19			n.a.
S 20	22 10	26 1	4 46	22 6	1 37	23 54	0 55	8 1	0 29	14 28	0 58	21 28	1 8	11 32	0 45	23 14	0 11	11 55	7 1	18 8		17 57		6 16			n.a.
S 21	22 1	27 19	4 6	22 22	1 21	23 48	0 57	7 46	0 28	14 31	0 58	21 27	1 8	11 31	0 45	23 15	0 11	11 55	7 1	18 9		17 57		6 13			n.a.
M22	21 52	26 54	3 10	22 37	1 5	23 41	0 58	7 30	0 27	14 33	0 58	21 25	1 8	11 30	0 45	23 15	0 11	11 55	7 0	18 9		17 58		6 9			n.a.
T 23	21 42	24 42	2 2	22 51	0 49	23 33	1 0	7 14	0 26	14 36	0 58	21 24	1 9	11 29	0 45	23 15	0 11	11 55	7 0	18 10		17 59		6 6			n.a.
W24	21 32	20 49	0 43	23 4	0 33	23 24	1 2	6 58	0 25	14 38	0 58	21 22	1 9	11 28	0 45	23 15	0 11	11 56	7 0	18 10		18 0		6 3			n.a.
T 25	21 21	15 34	0s38	23 15	0 18	23 14	1 3	6 42	0 24	14 41	0 59	21 20	1 9	11 26	0 45	23 15	0 11	11 56	6 59	18 10		18 1		6 0			n.a.
F 26	21 10	9 24	1 58	23 25	0 4	23 4	1 5	6 26	0 24	14 43	0 59	21 19	1 9	11 25	0 45	23 15	0 11	11 56	6 59	18 10		18 2		5 56			n.a.
S 27	20 59	2 46	3 9	23 32	0n10	22 54	1 6	6 9	0 23	14 45	0 59	21 17	1 9	11 24	0 45	23 15	0 11	11 56	6 59	18 9		18 3		5 53			n.a.
S 28	20 48	3s55	4 7	23 38	0 23	22 42	1 8	5 53	0 22	14 48	0 59	21 16	1 9	11 23	0 45	23 15	0 11	11 56	6 58	18 9		18 3		5 50			n.a.
M29	20 36	10 16	4 48	23 41	0 35	22 30	1 9	5 37	0 21	14 50	0 59	21 14	1 9	11 22	0 45	23 15	0 11	11 57	6 58	18 9		18 4		5 47			n.a.
T 30	20 23	15 59	5 12	23 42	0 46	22 17	1 10	5 20	0 20	14 52	0 59	21 12	1 9	11 20	0 45	23 16	0 11	11 57	6 58	18 9		18 5		5 44			n.a.
W31	20n10	20s45	5s17	23n41	0n56	22n 4	1n12	5n 4	0n20	14n54	0s59	21n11	1n 9	11n19	0n45	23s16	0n11	11s57	6n57	18s 9		18s 6		5s40			n.a.

Julian Day Number = 1550667.5, Delta T = 04h31m05s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'45, Lahiri = -10°24'44 Julian Calendar 1 July 468 BCE == Greg. Calendar 26 June 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

AUGUST 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 15 26	2♌ 4'37	25♏44	17♋56	28♋58	18♍46	12♉46	1♌45	2♍49	9°R 0	22°R40	9°R20	9♒29	9♓44	n.a.	T 1
F 2	20 19 22	3° 2'48	8♐50	19°43	0♌13	19°26	12°53	1°53	2°52	8♑58	22♏40	9♒19	9°25	9°51	n.a.	F 2
S 3	20 23 19	4° 0'59	21°40	21°32	1°27	20° 6	13° 0	2° 0	2°55	8°57	22°39	9°19	9°22	9°57	n.a.	S 3
S 4	20 27 16	4°59'13	4♑16	23°23	2°42	20°46	13° 7	2° 8	2°59	8°55	22°39	9°18	9°19	10° 4	n.a.	S 4
M 5	20 31 12	5°57'28	16°40	25°15	3°56	21°26	13°13	2°16	3° 2	8°54	22°39	9°18	9°16	10°11	n.a.	M 5
T 6	20 35 9	6°55'45	28°53	27° 9	5°11	22° 6	13°19	2°23	3° 6	8°53	22°39	9°17	9°13	10°17	n.a.	T 6
W 7	20 39 5	7°54'04	10♒56	29° 3	6°26	22°47	13°25	2°31	3° 9	8°51	22°39	9°D17	9° 9	10°24	n.a.	W 7
T 8	20 43 2	8°52'25	22°53	0♌58	7°40	23°27	13°31	2°38	3°13	8°50	22°39	9°R17	9° 6	10°31	n.a.	T 8
F 9	20 46 58	9°50'48	4♓44	2°53	8°55	24° 8	13°37	2°46	3°16	8°49	22°39	9°17	9° 3	10°37	n.a.	F 9
S 10	20 50 55	10°49'12	16°33	4°48	10°10	24°48	13°43	2°53	3°20	8°47	22°D39	9°17	9° 0	10°44	n.a.	S 10
S 11	20 54 51	11°47'39	28°22	6°43	11°24	25°29	13°48	3° 1	3°24	8°46	22°39	9°17	8°57	10°51	n.a.	S 11
M12	20 58 48	12°46'09	10♈15	8°38	12°39	26°10	13°53	3° 8	3°27	8°45	22°39	9°17	8°54	10°57	n.a.	M12
T 13	21 2 44	13°44'40	22°14	10°31	13°54	26°51	13°59	3°15	3°31	8°43	22°39	9°16	8°50	11° 4	n.a.	T 13
W14	21 6 41	14°43'14	4♉25	12°25	15° 9	27°32	14° 4	3°23	3°34	8°42	22°39	9°16	8°47	11°11	n.a.	W14
T 15	21 10 38	15°41'50	16°52	14°17	16°24	28°13	14° 8	3°30	3°38	8°41	22°39	9°D16	8°44	11°17	n.a.	T 15
F 16	21 14 34	16°40'28	29°38	16° 9	17°38	28°54	14°13	3°38	3°42	8°40	22°39	9°16	8°41	11°24	n.a.	F 16
S 17	21 18 31	17°39'09	12♊47	18° 0	18°53	29°35	14°17	3°45	3°45	8°38	22°39	9°17	8°38	11°31	n.a.	S 17
S 18	21 22 27	18°37'52	26°22	19°50	20° 8	0♎16	14°22	3°52	3°49	8°37	22°40	9°17	8°35	11°37	n.a.	S 18
M19	21 26 24	19°36'38	10♋24	21°39	21°23	0°57	14°26	4° 0	3°53	8°36	22°40	9°18	8°31	11°44	n.a.	M19
T 20	21 30 20	20°35'26	24°52	23°27	22°38	1°39	14°30	4° 7	3°56	8°35	22°40	9°19	8°28	11°51	n.a.	T 20
W21	21 34 17	21°34'16	9♌41	25°14	23°53	2°20	14°33	4°15	4° 0	8°34	22°41	9°R19	8°25	11°57	n.a.	W21
T 22	21 38 13	22°33'08	24°45	27° 0	25° 8	3° 2	14°37	4°22	4° 4	8°33	22°41	9°19	8°22	12° 4	n.a.	T 22
F 23	21 42 10	23°32'02	9♍54	28°45	26°23	3°43	14°40	4°29	4° 8	8°32	22°41	9°18	8°19	12°11	n.a.	F 23
S 24	21 46 7	24°30'59	25° 0	0♍29	27°38	4°25	14°44	4°36	4°11	8°31	22°42	9°16	8°15	12°17	n.a.	S 24
S 25	21 50 3	25°29'57	9♎54	2°12	28°53	5° 7	14°46	4°44	4°15	8°30	22°42	9°14	8°12	12°24	n.a.	S 25
M26	21 54 0	26°28'57	24°29	3°55	0♍ 8	5°49	14°49	4°51	4°19	8°29	22°43	9°12	8° 9	12°31	n.a.	M26
T 27	21 57 56	27°27'59	8♏39	5°36	1°23	6°30	14°52	4°58	4°23	8°28	22°43	9°10	8° 6	12°37	n.a.	T 27
W28	22 1 53	28°27'03	22°24	7°16	2°38	7°12	14°54	5° 5	4°27	8°27	22°44	9°D10	8° 3	12°44	n.a.	W28
T 29	22 5 49	29°26'09	5♐44	8°56	3°53	7°55	14°57	5°12	4°30	8°26	22°44	9°10	8° 0	12°51	n.a.	T 29
F 30	22 9 46	0♍25'16	18°42	10°35	5° 8	8°37	14°59	5°19	4°34	8°25	22°45	9°10	7°56	12°57	n.a.	F 30
S 31	22 13 42	1♍24'26	1♑20	12♍12	6♍23	9♎19	15♉ 0	5♌26	4♍38	8♑24	22♏46	9♒12	7♒53	13♓ 4	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	19n57	24s22	5s 4	23n37	1n 5	21n49	1n13	4n47	0n19	14n56	0s59	21n 9	1n 9	11n18	0n45	23s16	0n11	11s57	6n57	18s 9	18s 7	5s37			n.a.
F 2	19 44	26 36	4 36	23 30	1 13	21 35	1 14	4 31	0 18	14 58	0 59	21 7	1 9	11 17	0 45	23 16	0 11	11 57	6 57	18 9	18 8	5 34			n.a.
S 3	19 30	27 23	3 55	23 20	1 21	21 19	1 15	4 14	0 17	15 0	0 59	21 6	1 9	11 15	0 45	23 16	0 11	11 58	6 56	18 10	18 9	5 31			n.a.
S 4	19 16	26 43	3 2	23 8	1 27	21 3	1 16	3 57	0 16	15 2	0 59	21 4	1 9	11 14	0 44	23 16	0 11	11 58	6 56	18 10	18 9	5 27			n.a.
M 5	19 2	24 43	2 2	22 53	1 33	20 46	1 17	3 41	0 16	15 4	0 59	21 2	1 9	11 13	0 44	23 16	0 11	11 58	6 56	18 10	18 10	5 24			n.a.
T 6	18 47	21 35	0 58	22 36	1 37	20 29	1 18	3 24	0 15	15 6	1 0	21 1	1 10	11 11	0 44	23 16	0 11	11 59	6 56	18 10	18 11	5 21			n.a.
W 7	18 32	17 34	0n 9	22 16	1 41	20 11	1 19	3 7	0 14	15 8	1 0	20 59	1 10	11 10	0 44	23 17	0 11	11 59	6 55	18 10	18 12	5 18			n.a.
T 8	18 17	12 53	1 15	21 54	1 44	19 53	1 20	2 50	0 13	15 9	1 0	20 58	1 10	11 9	0 44	23 17	0 11	11 59	6 55	18 10	18 13	5 14			n.a.
F 9	18 1	7 47	2 17	21 30	1 46	19 33	1 21	2 33	0 12	15 11	1 0	20 56	1 10	11 8	0 44	23 17	0 11	11 59	6 55	18 10	18 14	5 11			n.a.
S 10	17 45	2 25	3 13	21 3	1 48	19 14	1 21	2 16	0 12	15 13	1 0	20 54	1 10	11 6	0 44	23 17	0 11	12 0	6 54	18 10	18 15	5 8			n.a.
S 11	17 29	3n 0	4 0	20 35	1 49	18 54	1 22	1 59	0 11	15 14	1 0	20 53	1 10	11 5	0 44	23 17	0 11	12 0	6 54	18 10	18 15	5 5			n.a.
M12	17 12	8 21	4 38	20 5	1 49	18 33	1 22	1 42	0 10	15 16	1 0	20 51	1 10	11 4	0 44	23 17	0 11	12 0	6 54	18 10	18 16	5 1			n.a.
T 13	16 55	13 27	5 4	19 34	1 48	18 12	1 23	1 25	0 9	15 17	1 0	20 49	1 10	11 2	0 44	23 17	0 11	12 1	6 53	18 10	18 17	4 58			n.a.
W14	16 38	18 6	5 16	19 0	1 47	17 50	1 23	1 7	0 8	15 19	1 0	20 48	1 10	11 1	0 44	23 17	0 11	12 1	6 53	18 10	18 18	4 55			n.a.
T 15	16 20	22 6	5 15	18 26	1 45	17 27	1 24	0 50	0 8	15 20	1 0	20 46	1 10	11 0	0 44	23 17	0 11	12 1	6 53	18 10	18 19	4 52			n.a.
F 16	16 3	25 10	4 58	17 50	1 43	17 5	1 24	0 33	0 7	15 21	1 0	20 44	1 10	10 58	0 44	23 17	0 11	12 2	6 52	18 10	18 20	4 49			n.a.
S 17	15 45	27 0	4 25	17 13	1 40	16 41	1 24	0 16	0 6	15 22	1 1	20 43	1 11	10 57	0 44	23 18	0 11	12 2	6 52	18 10	18 20	4 45			n.a.
S 18	15 26	27 18	3 36	16 36	1 37	16 18	1 24	0s 2	0 5	15 24	1 1	20 41	1 11	10 55	0 44	23 18	0 11	12 2	6 52	18 10	18 21	4 42			n.a.
M19	15 8	25 53	2 34	15 57	1 34	15 53	1 24	0 19	0 5	15 25	1 1	20 39	1 11	10 54	0 44	23 18	0 11	12 3	6 51	18 10	18 22	4 39			n.a.
T 20	14 49	22 44	1 19	15 17	1 30	15 29	1 25	0 36	0 4	15 26	1 1	20 38	1 11	10 53	0 44	23 18	0 10	12 3	6 51	18 9	18 23	4 36			n.a.
W21	14 30	18 2	0s 2	14 37	1 25	15 4	1 24	0 54	0 3	15 27	1 1	20 36	1 11	10 51	0 44	23 18	0 10	12 4	6 51	18 9	18 24	4 32			n.a.
T 22	14 11	12 7	1 24	13 56	1 21	14 38	1 24	1 11	0 2	15 28	1 1	20 34	1 11	10 50	0 44	23 18	0 10	12 4	6 50	18 10	18 25	4 29			n.a.
F 23	13 51	5 28	2 41	13 15	1 16	14 12	1 24	1 29	0 1	15 29	1 1	20 33	1 11	10 49	0 44	23 18	0 10	12 4	6 50	18 10	18 25	4 26			n.a.
S 24	13 31	1s27	3 47	12 33	1 11	13 46	1 24	1 46	0 1	15 30	1 1	20 31	1 11	10 47	0 44	23 18	0 10	12 5	6 50	18 10	18 26	4 23			n.a.
S 25	13 11	8 11	4 36	11 50	1 5	13 19	1 24	2 3	0s 0	15 30	1 1	20 29	1 11	10 46	0 44	23 18	0 10	12 5	6 49	18 11	18 27	4 19			n.a.
M26	12 51	14 20	5 6	11 8	1 0	12 52	1 23	2 21	0 1	15 31	1 1	20 28	1 12	10 44	0 44	23 18	0 10	12 6	6 49	18 11	18 28	4 16			n.a.
T 27	12 31	19 33	5 16	10 25	0 54	12 25	1 23	2 38	0 2	15 32	1 1	20 26	1 12	10 43	0 44	23 18	0 10	12 6	6 49	18 12	18 29	4 13			n.a.
W28	12 10	23 33	5 8	9 41	0 48	11 57	1 23	2 56	0 2	15 32	1 2	20 24	1 12	10 42	0 44	23 18	0 10	12 7	6 48	18 12	18 30	4 10			n.a.
T 29	11 49	26 11	4 43	8 58	0 42	11 29	1 22	3 13	0 3	15 33	1 2	20 23	1 12	10 40	0 44	23 19	0 10	12 7	6 48	18 12	18 30	4 6			n.a.
F 30	11 28	27 19	4 4	8 14	0 35	11 1	1 21	3 31	0 4	15 34	1 2	20 21	1 12	10 39	0 44	23 19	0 10	12 8	6 48	18 12	18 31	4 3			n.a.
S 31	11n 7	26s59	3s14	7n31	0n29	10n32	1n21	3s48	0s 5	15n34	1s 2	20n19	1n12	10n37	0n44	23s19	0n10	12s 8	6n47	18s11	18s32	4s 0			n.a.

Julian Day Number = 1550698.5, Delta T = 04h31m04s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'41, Lahiri = -10°24'40 Julian Calendar 1 Aug. 468 BCE == Greg. Calendar 27 July 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

SEPTEMBER 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 17 39	2♍23'37	13♉42	13♍49	7♍38	10♎ 1	15♉ 2	5♌33	4♍42	8°R24	22♏46	9♒14	7♒50	13♓11	n.a.	S 1
M 2	22 21 36	3°22'51	25°52	15°26	8°53	10°44	15° 3	5°40	4°46	8♉23	22°47	9°15	7°47	13°17	n.a.	M 2
T 3	22 25 32	4°22'06	7♒53	17° 1	10° 8	11°26	15° 5	5°47	4°49	8°22	22°48	9°R16	7°44	13°24	n.a.	T 3
W 4	22 29 29	5°21'24	19°47	18°36	11°23	12° 8	15° 6	5°54	4°53	8°21	22°49	9°15	7°41	13°31	n.a.	W 4
T 5	22 33 25	6°20'43	1♓38	20° 9	12°38	12°51	15° 7	6° 1	4°57	8°21	22°49	9°13	7°37	13°37	n.a.	T 5
F 6	22 37 22	7°20'05	13°27	21°42	13°53	13°34	15° 7	6° 8	5° 1	8°20	22°50	9°10	7°34	13°44	n.a.	F 6
S 7	22 41 18	8°19'29	25°17	23°15	15° 8	14°16	15° 8	6°15	5° 4	8°19	22°51	9° 6	7°31	13°51	n.a.	S 7
S 8	22 45 15	9°18'54	7♈ 9	24°46	16°23	14°59	15° 8	6°21	5° 8	8°19	22°52	9° 0	7°28	13°57	n.a.	S 8
M 9	22 49 11	10°18'23	19° 6	26°17	17°38	15°42	15°R 8	6°28	5°12	8°18	22°53	8°55	7°25	14° 4	n.a.	M 9
T 10	22 53 8	11°17'53	1♉ 9	27°47	18°53	16°25	15° 8	6°35	5°16	8°18	22°54	8°49	7°21	14°11	n.a.	T 10
W11	22 57 4	12°17'26	13°22	29°16	20° 8	17° 8	15° 8	6°41	5°20	8°17	22°55	8°45	7°18	14°17	n.a.	W11
T 12	23 1 1	13°17'02	25°48	0♎44	21°23	17°51	15° 7	6°48	5°23	8°17	22°56	8°42	7°15	14°24	n.a.	T 12
F 13	23 4 58	14°16'40	8♊30	2°12	22°38	18°34	15° 6	6°54	5°27	8°16	22°57	8°40	7°12	14°31	n.a.	F 13
S 14	23 8 54	15°16'20	21°32	3°39	23°54	19°17	15° 5	7° 1	5°31	8°16	22°58	8°D40	7° 9	14°38	n.a.	S 14
S 15	23 12 51	16°16'03	4♋57	5° 5	25° 9	20° 0	15° 4	7° 7	5°35	8°16	22°59	8°41	7° 6	14°44	n.a.	S 15
M16	23 16 47	17°15'48	18°48	6°31	26°24	20°44	15° 3	7°14	5°38	8°15	23° 0	8°43	7° 2	14°51	n.a.	M16
T 17	23 20 44	18°15'35	3♌ 6	7°55	27°39	21°27	15° 1	7°20	5°42	8°15	23° 1	8°R44	6°59	14°58	n.a.	T 17
W18	23 24 40	19°15'25	17°48	9°19	28°54	22°11	14°59	7°26	5°46	8°15	23° 3	8°44	6°56	15° 4	n.a.	W18
T 19	23 28 37	20°15'17	2♍50	10°42	0♎ 9	22°54	14°58	7°32	5°50	8°14	23° 4	8°42	6°53	15°11	n.a.	T 19
F 20	23 32 33	21°15'11	18° 4	12° 4	1°24	23°38	14°55	7°39	5°53	8°14	23° 5	8°37	6°50	15°18	n.a.	F 20
S 21	23 36 30	22°15'07	3♎20	13°24	2°39	24°21	14°53	7°45	5°57	8°14	23° 6	8°32	6°47	15°24	n.a.	S 21
S 22	23 40 27	23°15'05	18°27	14°44	3°55	25° 5	14°50	7°51	6° 1	8°14	23° 8	8°25	6°43	15°31	n.a.	S 22
M23	23 44 23	24°15'05	3♏16	16° 3	5°10	25°49	14°48	7°57	6° 4	8°14	23° 9	8°18	6°40	15°38	n.a.	M23
T 24	23 48 20	25°15'07	17°40	17°20	6°25	26°33	14°45	8° 3	6° 8	8°14	23°10	8°11	6°37	15°44	n.a.	T 24
W25	23 52 16	26°15'11	1♐35	18°36	7°40	27°17	14°42	8° 8	6°12	8°14	23°12	8° 7	6°34	15°51	n.a.	W25
T 26	23 56 13	27°15'17	15° 0	19°51	8°55	28° 1	14°38	8°14	6°15	8°D14	23°13	8° 4	6°31	15°58	n.a.	T 26
F 27	0 0 9	28°15'24	27°59	21° 4	10°10	28°45	14°35	8°20	6°19	8°14	23°15	8°D 3	6°27	16° 4	n.a.	F 27
S 28	0 4 6	29°15'33	10♑34	22°15	11°25	29°29	14°31	8°26	6°22	8°14	23°16	8° 4	6°24	16°11	n.a.	S 28
S 29	0 8 2	0♎15'43	22°51	23°24	12°41	0♏13	14°27	8°31	6°26	8°14	23°18	8° 5	6°21	16°18	n.a.	S 29
M30	0 11 59	1♎15'55	4♒54	24♎31	13♎56	0♏58	14♉23	8♌37	6♍30	8♉14	23♏19	8°R 6	6♒18	16♓24	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n45	25s18	2s16	6n47	0n22	10n 3	1n20	4s 6	0s 5	15n34	1s 2	20n18	1n12	10n36	0n44	23s19	0n10	12s 8	6n47	18s11	18s33	3s57		n.a.
M 2	10 24	22 27	1 13	6 3	0 15	9 34	1 19	4 23	0 6	15 35	1 2	20 16	1 12	10 35	0 44	23 19	0 10	12 9	6 47	18 11	18 34	3 53		n.a.
T 3	10 2	18 40	0 8	5 19	0 9	9 5	1 18	4 41	0 7	15 35	1 2	20 15	1 13	10 33	0 44	23 19	0 10	12 9	6 47	18 10	18 35	3 50		n.a.
W 4	9 40	14 10	0n58	4 36	0 2	8 35	1 17	4 58	0 7	15 35	1 2	20 13	1 13	10 32	0 44	23 19	0 10	12 10	6 46	18 10	18 35	3 47		n.a.
T 5	9 18	9 10	2 0	3 52	0s 5	8 5	1 16	5 16	0 8	15 35	1 2	20 11	1 13	10 30	0 44	23 19	0 10	12 10	6 46	18 11	18 36	3 44		n.a.
F 6	8 56	3 52	2 57	3 9	0 12	7 35	1 15	5 33	0 9	15 36	1 2	20 10	1 13	10 29	0 44	23 19	0 10	12 11	6 46	18 12	18 37	3 40		n.a.
S 7	8 33	1n33	3 46	2 25	0 19	7 4	1 14	5 51	0 10	15 36	1 2	20 8	1 13	10 27	0 44	23 19	0 10	12 11	6 45	18 13	18 38	3 37		n.a.
S 8	8 11	6 56	4 25	1 42	0 26	6 34	1 13	6 8	0 10	15 36	1 2	20 7	1 13	10 26	0 44	23 19	0 10	12 12	6 45	18 14	18 39	3 34		n.a.
M 9	7 48	12 5	4 54	0 59	0 33	6 3	1 12	6 26	0 11	15 36	1 3	20 5	1 13	10 25	0 44	23 19	0 10	12 13	6 45	18 16	18 40	3 31		n.a.
T 10	7 25	16 50	5 9	0 17	0 40	5 32	1 11	6 43	0 12	15 35	1 3	20 3	1 13	10 23	0 44	23 19	0 10	12 13	6 44	18 17	18 40	3 28		n.a.
W11	7 2	20 59	5 11	0s26	0 48	5 1	1 9	7 0	0 12	15 35	1 3	20 2	1 14	10 22	0 44	23 19	0 10	12 14	6 44	18 19	18 41	3 24		n.a.
T 12	6 39	24 17	4 58	1 8	0 55	4 30	1 8	7 18	0 13	15 35	1 3	20 0	1 14	10 20	0 44	23 19	0 10	12 14	6 44	18 19	18 42	3 21		n.a.
F 13	6 16	26 28	4 31	1 50	1 2	3 59	1 7	7 35	0 14	15 35	1 3	19 59	1 14	10 19	0 44	23 19	0 10	12 15	6 43	18 20	18 43	3 18		n.a.
S 14	5 53	27 17	3 49	2 31	1 9	3 27	1 5	7 52	0 15	15 34	1 3	19 57	1 14	10 18	0 44	23 19	0 10	12 15	6 43	18 20	18 44	3 15		n.a.
S 15	5 29	26 33	2 53	3 12	1 15	2 55	1 4	8 9	0 15	15 34	1 3	19 56	1 14	10 16	0 44	23 20	0 10	12 16	6 43	18 20	18 44	3 11		n.a.
M16	5 6	24 10	1 46	3 52	1 22	2 24	1 2	8 27	0 16	15 33	1 3	19 54	1 14	10 15	0 44	23 20	0 10	12 16	6 43	18 19	18 45	3 8		n.a.
T 17	4 42	20 13	0 31	4 32	1 29	1 52	1 0	8 44	0 17	15 33	1 3	19 53	1 15	10 13	0 44	23 20	0 10	12 17	6 42	18 19	18 46	3 5		n.a.
W18	4 18	14 55	0s49	5 12	1 36	1 20	0 59	9 1	0 17	15 32	1 3	19 51	1 15	10 12	0 44	23 20	0 10	12 18	6 42	18 19	18 47	3 2		n.a.
T 19	3 55	8 38	2 7	5 51	1 42	0 48	0 57	9 18	0 18	15 32	1 3	19 50	1 15	10 11	0 44	23 20	0 10	12 18	6 42	18 19	18 48	2 58		n.a.
F 20	3 31	1 46	3 17	6 29	1 48	0 17	0 55	9 35	0 19	15 31	1 3	19 48	1 15	10 9	0 44	23 20	0 10	12 19	6 41	18 21	18 49	2 55		n.a.
S 21	3 7	5s12	4 13	7 7	1 55	0s15	0 53	9 52	0 19	15 30	1 3	19 47	1 15	10 8	0 44	23 20	0 10	12 19	6 41	18 22	18 49	2 52		n.a.
S 22	2 43	11 47	4 50	7 44	2 1	0 47	0 52	10 9	0 20	15 29	1 3	19 46	1 15	10 7	0 44	23 20	0 10	12 20	6 41	18 24	18 50	2 49		n.a.
M23	2 19	17 34	5 7	8 20	2 7	1 19	0 50	10 26	0 21	15 29	1 4	19 44	1 16	10 5	0 44	23 20	0 10	12 21	6 41	18 26	18 51	2 45		n.a.
T 24	1 55	22 11	5 4	8 55	2 12	1 51	0 48	10 42	0 21	15 28	1 4	19 43	1 16	10 4	0 44	23 20	0 10	12 21	6 40	18 27	18 52	2 42		n.a.
W25	1 30	25 22	4 43	9 30	2 17	2 23	0 46	10 59	0 22	15 27	1 4	19 41	1 16	10 3	0 44	23 20	0 10	12 22	6 40	18 29	18 53	2 39		n.a.
T 26	1 6	26 59	4 7	10 3	2 23	2 55	0 44	11 16	0 23	15 26	1 4	19 40	1 16	10 1	0 44	23 20	0 10	12 22	6 40	18 29	18 53	2 36		n.a.
F 27	0 42	27 3	3 19	10 36	2 27	3 27	0 42	11 32	0 23	15 25	1 4	19 39	1 16	10 0	0 44	23 20	0 10	12 23	6 39	18 30	18 54	2 32		n.a.
S 28	0 18	25 42	2 23	11 7	2 32	3 58	0 39	11 49	0 24	15 23	1 4	19 37	1 16	9 59	0 44	23 20	0 10	12 24	6 39	18 29	18 55	2 29		n.a.
S 29	0s 6	23 7	1 21	11 37	2 36	4 30	0 37	12 5	0 25	15 22	1 4	19 36	1 17	9 57	0 44	23 20	0 10	12 24	6 39	18 29	18 56	2 26		n.a.
M30	0s31	19s34	0s17	12s 6	2s40	5s 2	0n35	12s21	0s25	15n21	1s 4	19n35	1n17	9n56	0n44	23s20	0n10	12s25	6n39	18s29	18s57	2s23		n.a.

Julian Day Number = 1550729.5, Delta T = 04h31m02s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'36, Lahiri = -10°24'36 Julian Calendar 1 Sept. 468 BCE == Greg. Calendar 27 Aug. 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

OCTOBER 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 15 56	2♎16'09	16♒48	25♎36	15♎11	1♏42	14°R19	8♌42	6♍33	8♉14	23♏21	8°R 5	6♒15	16♓31	n.a.	T 1
W 2	0 19 52	3°16'25	28°37	26°38	16°26	2°26	14♉14	8°48	6°37	8°14	23°22	8♒ 3	6°12	16°38	n.a.	W 2
T 3	0 23 49	4°16'42	10♓26	27°37	17°41	3°11	14°10	8°53	6°40	8°14	23°24	7°58	6° 8	16°44	n.a.	T 3
F 4	0 27 45	5°17'01	22°15	28°33	18°56	3°55	14° 5	8°58	6°44	8°15	23°25	7°51	6° 5	16°51	n.a.	F 4
S 5	0 31 42	6°17'22	4♈ 9	29°25	20°11	4°40	14° 0	9° 3	6°47	8°15	23°27	7°41	6° 2	16°58	n.a.	S 5
S 6	0 35 38	7°17'44	16° 8	0♏12	21°26	5°24	13°55	9° 9	6°50	8°15	23°29	7°29	5°59	17° 4	n.a.	S 6
M 7	0 39 35	8°18'08	28°13	0°56	22°41	6° 9	13°49	9°14	6°54	8°16	23°30	7°17	5°56	17°11	n.a.	M 7
T 8	0 43 31	9°18'35	10♉26	1°33	23°56	6°54	13°44	9°19	6°57	8°16	23°32	7° 6	5°52	17°18	n.a.	T 8
W 9	0 47 28	10°19'03	22°48	2° 6	25°12	7°38	13°38	9°23	7° 1	8°17	23°34	6°56	5°49	17°24	n.a.	W 9
T 10	0 51 24	11°19'33	5♊21	2°31	26°27	8°23	13°33	9°28	7° 4	8°17	23°35	6°48	5°46	17°31	n.a.	T 10
F 11	0 55 21	12°20'05	18° 6	2°50	27°42	9° 8	13°27	9°33	7° 7	8°18	23°37	6°42	5°43	17°38	n.a.	F 11
S 12	0 59 18	13°20'39	1♋ 7	3° 0	28°57	9°53	13°21	9°38	7°10	8°18	23°39	6°40	5°40	17°44	n.a.	S 12
S 13	1 3 14	14°21'15	14°26	3°R 2	0♏12	10°38	13°14	9°42	7°14	8°19	23°41	6°D39	5°37	17°51	n.a.	S 13
M14	1 7 11	15°21'53	28° 5	2°55	1°27	11°23	13° 8	9°47	7°17	8°19	23°43	6°39	5°33	17°58	n.a.	M14
T 15	1 11 7	16°22'33	12♌ 7	2°38	2°42	12° 8	13° 1	9°51	7°20	8°20	23°44	6°R39	5°30	18° 5	n.a.	T 15
W16	1 15 4	17°23'15	26°32	2°11	3°57	12°54	12°55	9°55	7°23	8°21	23°46	6°38	5°27	18°11	n.a.	W16
T 17	1 19 0	18°23'58	11♍17	1°33	5°12	13°39	12°48	10° 0	7°26	8°21	23°48	6°34	5°24	18°18	n.a.	T 17
F 18	1 22 57	19°24'43	26°17	0°45	6°27	14°24	12°41	10° 4	7°29	8°22	23°50	6°27	5°21	18°25	n.a.	F 18
S 19	1 26 53	20°25'30	11♎24	29♎47	7°42	15°10	12°34	10° 8	7°32	8°23	23°52	6°18	5°18	18°31	n.a.	S 19
S 20	1 30 50	21°26'18	26°29	28°40	8°57	15°55	12°27	10°12	7°35	8°24	23°54	6° 7	5°14	18°38	n.a.	S 20
M21	1 34 47	22°27'08	11♏20	27°26	10°12	16°40	12°20	10°16	7°38	8°24	23°56	5°55	5°11	18°45	n.a.	M21
T 22	1 38 43	23°27'59	25°49	26° 7	11°27	17°26	12°12	10°19	7°41	8°25	23°58	5°44	5° 8	18°51	n.a.	T 22
W23	1 42 40	24°28'51	9♐52	24°46	12°42	18°12	12° 5	10°23	7°44	8°26	24° 0	5°35	5° 5	18°58	n.a.	W23
T 24	1 46 36	25°29'44	23°24	23°24	13°57	18°57	11°57	10°27	7°47	8°27	24° 2	5°29	5° 2	19° 5	n.a.	T 24
F 25	1 50 33	26°30'39	6♑28	22° 5	15°12	19°43	11°50	10°30	7°50	8°28	24° 4	5°26	4°58	19°11	n.a.	F 25
S 26	1 54 29	27°31'34	19° 7	20°52	16°27	20°29	11°42	10°34	7°53	8°29	24° 6	5°24	4°55	19°18	n.a.	S 26
S 27	1 58 26	28°32'31	1♒25	19°46	17°42	21°14	11°34	10°37	7°56	8°30	24° 8	5°24	4°52	19°25	n.a.	S 27
M28	2 2 22	29°33'28	13°28	18°49	18°57	22° 0	11°27	10°40	7°58	8°31	24°10	5°24	4°49	19°31	n.a.	M28
T 29	2 6 19	0♏34'26	25°21	18° 3	20°12	22°46	11°19	10°43	8° 1	8°32	24°12	5°23	4°46	19°38	n.a.	T 29
W30	2 10 16	1°35'25	7♓ 9	17°28	21°27	23°32	11°11	10°46	8° 4	8°33	24°14	5°19	4°43	19°45	n.a.	W30
T 31	2 14 12	2♏36'25	18♓57	17♎ 5	22♏42	24♏18	11♉ 3	10♌49	8♍ 6	8♉35	24♏16	5♒13	4♒39	19♓51	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	0s55	15s16	0n47	12s33	2s43	5s33	0n33	12s38	0s26	15n20	1s 4	19n33	1n17	9n55	0n44	23s20	0n10	12s25	6n38	18s29	18s57	2s20			n.a.
W 2	1 19	10 25	1 48	12 58	2 46	6 4	0 31	12 54	0 27	15 18	1 4	19 32	1 17	9 53	0 44	23 20	0 10	12 26	6 38	18 30	18 58	2 16			n.a.
T 3	1 43	5 14	2 44	13 22	2 48	6 36	0 28	13 10	0 27	15 17	1 4	19 31	1 17	9 52	0 44	23 20	0 10	12 27	6 38	18 31	18 59	2 13			n.a.
F 4	2 8	0n 9	3 34	13 44	2 50	7 7	0 26	13 26	0 28	15 15	1 4	19 30	1 17	9 51	0 45	23 20	0 10	12 27	6 38	18 33	19 0	2 10			n.a.
S 5	2 32	5 32	4 14	14 4	2 51	7 37	0 24	13 41	0 29	15 14	1 4	19 28	1 18	9 49	0 45	23 20	0 10	12 28	6 37	18 35	19 1	2 7			n.a.
S 6	2 56	10 46	4 43	14 21	2 51	8 8	0 21	13 57	0 29	15 12	1 4	19 27	1 18	9 48	0 45	23 20	0 10	12 29	6 37	18 38	19 1	2 3			n.a.
M 7	3 20	15 38	4 59	14 36	2 50	8 39	0 19	14 13	0 30	15 11	1 4	19 26	1 18	9 47	0 45	23 20	0 10	12 29	6 37	18 41	19 2	2 0			n.a.
T 8	3 44	19 55	5 3	14 48	2 49	9 9	0 17	14 28	0 30	15 9	1 4	19 25	1 18	9 46	0 45	23 20	0 10	12 30	6 37	18 44	19 3	1 57			n.a.
W 9	4 8	23 25	4 52	14 57	2 46	9 39	0 14	14 44	0 31	15 7	1 4	19 24	1 18	9 44	0 45	23 20	0 10	12 31	6 36	18 47	19 4	1 54			n.a.
T 10	4 32	25 51	4 27	15 3	2 43	10 9	0 12	14 59	0 32	15 6	1 4	19 23	1 19	9 43	0 45	23 20	0 10	12 31	6 36	18 49	19 5	1 50			n.a.
F 11	4 56	27 0	3 48	15 5	2 38	10 39	0 9	15 14	0 32	15 4	1 4	19 22	1 19	9 42	0 45	23 20	0 10	12 32	6 36	18 50	19 5	1 47			n.a.
S 12	5 20	26 42	2 57	15 3	2 32	11 8	0 7	15 29	0 33	15 2	1 4	19 20	1 19	9 41	0 45	23 20	0 10	12 33	6 36	18 51	19 6	1 44			n.a.
S 13	5 44	24 52	1 55	14 56	2 24	11 37	0 4	15 44	0 34	15 0	1 4	19 19	1 19	9 40	0 45	23 20	0 10	12 33	6 35	18 51	19 7	1 41			n.a.
M14	6 8	21 33	0 45	14 45	2 15	12 6	0 2	15 59	0 34	14 58	1 4	19 18	1 19	9 38	0 45	23 20	0 10	12 34	6 35	18 51	19 8	1 38			n.a.
T 15	6 31	16 55	0s29	14 29	2 4	12 35	0s 1	16 14	0 35	14 56	1 4	19 17	1 20	9 37	0 45	23 20	0 9	12 35	6 35	18 51	19 9	1 34			n.a.
W16	6 55	11 13	1 43	14 8	1 52	13 3	0 3	16 28	0 35	14 54	1 4	19 16	1 20	9 36	0 45	23 20	0 9	12 35	6 35	18 52	19 9	1 31			n.a.
T 17	7 18	4 46	2 53	13 41	1 38	13 31	0 6	16 43	0 36	14 52	1 4	19 15	1 20	9 35	0 45	23 20	0 9	12 36	6 34	18 53	19 10	1 28			n.a.
F 18	7 42	2s 2	3 51	13 9	1 22	13 59	0 8	16 57	0 36	14 50	1 4	19 14	1 20	9 34	0 45	23 20	0 9	12 37	6 34	18 54	19 11	1 25			n.a.
S 19	8 5	8 45	4 34	12 32	1 4	14 26	0 11	17 11	0 37	14 48	1 4	19 14	1 20	9 33	0 45	23 20	0 9	12 37	6 34	18 57	19 12	1 21			n.a.
S 20	8 28	14 57	4 57	11 51	0 45	14 53	0 13	17 25	0 38	14 46	1 4	19 13	1 21	9 32	0 45	23 20	0 9	12 38	6 34	18 59	19 12	1 18			n.a.
M21	8 51	20 10	5 0	11 6	0 26	15 19	0 16	17 39	0 38	14 44	1 4	19 12	1 21	9 30	0 45	23 20	0 9	12 39	6 34	19 2	19 13	1 15			n.a.
T 22	9 14	24 2	4 43	10 18	0 5	15 45	0 18	17 53	0 39	14 41	1 4	19 11	1 21	9 29	0 45	23 20	0 9	12 39	6 33	19 5	19 14	1 12			n.a.
W23	9 37	26 20	4 10	9 28	0n16	16 11	0 21	18 6	0 39	14 39	1 4	19 10	1 21	9 28	0 45	23 20	0 9	12 40	6 33	19 7	19 15	1 8			n.a.
T 24	9 59	26 58	3 23	8 39	0 36	16 36	0 23	18 19	0 40	14 37	1 4	19 9	1 21	9 27	0 45	23 19	0 9	12 41	6 33	19 9	19 16	1 5			n.a.
F 25	10 21	26 2	2 27	7 51	0 56	17 1	0 26	18 33	0 40	14 35	1 4	19 9	1 22	9 26	0 45	23 19	0 9	12 41	6 33	19 10	19 16	1 2			n.a.
S 26	10 44	23 46	1 25	7 6	1 14	17 26	0 28	18 46	0 41	14 32	1 4	19 8	1 22	9 25	0 45	23 19	0 9	12 42	6 33	19 10	19 17	0 59			n.a.
S 27	11 6	20 27	0 21	6 26	1 31	17 50	0 31	18 58	0 41	14 30	1 3	19 7	1 22	9 24	0 45	23 19	0 9	12 43	6 32	19 10	19 18	0 56			n.a.
M28	11 28	16 19	0n43	5 50	1 46	18 13	0 33	19 11	0 42	14 28	1 3	19 6	1 22	9 23	0 45	23 19	0 9	12 43	6 32	19 10	19 19	0 52			n.a.
T 29	11 49	11 37	1 43	5 20	1 59	18 36	0 36	19 23	0 43	14 25	1 3	19 6	1 23	9 22	0 45	23 19	0 9	12 44	6 32	19 10	19 19	0 49			n.a.
W30	12 11	6 32	2 39	4 57	2 10	18 59	0 38	19 36	0 43	14 23	1 3	19 5	1 23	9 21	0 45	23 19	0 9	12 45	6 32	19 11	19 20	0 46			n.a.
T 31	12s32	1s14	3n28	4s40	2n19	19s21	0s41	19s48	0s44	14n20	1s 3	19n 5	1n23	9n20	0n45	23s19	0n 9	12s45	6n32	19s13	19s21	0s43			n.a.

Julian Day Number = 1550759.5, Delta T = 04h31m01s
Ecliptic obliquity = 23°45'13, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'32, Lahiri = -10°24'32 Julian Calendar 1 Oct. 468 BCE == Greg. Calendar 26 Sept. 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

NOVEMBER 468 BCE (-467) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 18 9	3♏37'26	0♈50	16°R54	23♏57	25♏ 4	10°R55	10♌52	8♍ 9	8♑36	24♏18	5°R 4	4♒36	19♓58	n.a.	F 1
S 2	2 22 5	4°38'27	12°49	16°D53	25°12	25°50	10♉47	10°55	8°11	8°37	24°20	4♒52	4°33	20° 5	n.a.	S 2
S 3	2 26 2	5°39'30	24°57	17♎ 2	26°27	26°36	10°38	10°57	8°14	8°38	24°22	4°38	4°30	20°12	n.a.	S 3
M 4	2 29 58	6°40'33	7♉14	17°21	27°42	27°22	10°30	11° 0	8°16	8°39	24°25	4°24	4°27	20°18	n.a.	M 4
T 5	2 33 55	7°41'38	19°42	17°49	28°57	28° 8	10°22	11° 2	8°19	8°41	24°27	4° 9	4°23	20°25	n.a.	T 5
W 6	2 37 51	8°42'43	2♊21	18°24	0♐12	28°55	10°14	11° 5	8°21	8°42	24°29	3°56	4°20	20°32	n.a.	W 6
T 7	2 41 48	9°43'50	15°10	19° 6	1°26	29°41	10° 6	11° 7	8°23	8°43	24°31	3°46	4°17	20°38	n.a.	T 7
F 8	2 45 45	10°44'57	28° 9	19°54	2°41	0♐27	9°58	11° 9	8°25	8°45	24°33	3°39	4°14	20°45	n.a.	F 8
S 9	2 49 41	11°46'06	11♋20	20°48	3°56	1°13	9°50	11°11	8°28	8°46	24°35	3°35	4°11	20°52	n.a.	S 9
S 10	2 53 38	12°47'15	24°43	21°46	5°11	2° 0	9°41	11°13	8°30	8°48	24°37	3°34	4° 8	20°58	n.a.	S 10
M11	2 57 34	13°48'26	8♌20	22°48	6°26	2°46	9°33	11°15	8°32	8°49	24°40	3°34	4° 4	21° 5	n.a.	M11
T 12	3 1 31	14°49'37	22°13	23°54	7°41	3°33	9°25	11°16	8°34	8°51	24°42	3°34	4° 1	21°12	n.a.	T 12
W13	3 5 27	15°50'49	6♍22	25° 3	8°55	4°19	9°17	11°18	8°36	8°52	24°44	3°32	3°58	21°18	n.a.	W13
T 14	3 9 24	16°52'02	20°45	26°15	10°10	5° 6	9° 9	11°20	8°38	8°54	24°46	3°28	3°55	21°25	n.a.	T 14
F 15	3 13 20	17°53'16	5♎22	27°30	11°25	5°52	9° 1	11°21	8°40	8°55	24°48	3°22	3°52	21°32	n.a.	F 15
S 16	3 17 17	18°54'31	20° 5	28°46	12°40	6°39	8°53	11°22	8°42	8°57	24°51	3°13	3°49	21°38	n.a.	S 16
S 17	3 21 14	19°55'46	4♏48	0♏ 4	13°54	7°26	8°45	11°23	8°44	8°58	24°53	3° 2	3°45	21°45	n.a.	S 17
M18	3 25 10	20°57'02	19°23	1°24	15° 9	8°12	8°37	11°24	8°45	9° 0	24°55	2°50	3°42	21°52	n.a.	M18
T 19	3 29 7	21°58'18	3♐43	2°45	16°24	8°59	8°29	11°25	8°47	9° 2	24°57	2°39	3°39	21°59	n.a.	T 19
W20	3 33 3	22°59'35	17°40	4° 7	17°39	9°46	8°22	11°26	8°49	9° 4	24°59	2°30	3°36	22° 5	n.a.	W20
T 21	3 37 0	24° 0'52	1♑13	5°31	18°53	10°33	8°14	11°27	8°50	9° 5	25° 2	2°23	3°33	22°12	n.a.	T 21
F 22	3 40 56	25° 2'09	14°20	6°55	20° 8	11°19	8° 7	11°27	8°52	9° 7	25° 4	2°19	3°29	22°19	n.a.	F 22
S 23	3 44 53	26° 3'26	27° 2	8°21	21°23	12° 6	7°59	11°28	8°53	9° 9	25° 6	2°D17	3°26	22°25	n.a.	S 23
S 24	3 48 50	27° 4'43	9♒24	9°47	22°37	12°53	7°52	11°28	8°55	9°11	25° 8	2°17	3°23	22°32	n.a.	S 24
M25	3 52 46	28° 6'00	21°29	11°13	23°52	13°40	7°45	11°29	8°56	9°12	25°11	2°18	3°20	22°39	n.a.	M25
T 26	3 56 43	29° 7'16	3♓24	12°41	25° 6	14°27	7°37	11°29	8°58	9°14	25°13	2°R18	3°17	22°45	n.a.	T 26
W27	4 0 39	0♐ 8'32	15°14	14° 9	26°21	15°14	7°30	11°R29	8°59	9°16	25°15	2°17	3°14	22°52	n.a.	W27
T 28	4 4 36	1° 9'48	27° 4	15°37	27°36	16° 1	7°23	11°29	9° 0	9°18	25°17	2°13	3°10	22°59	n.a.	T 28
F 29	4 8 32	2°11'04	8♈59	17° 6	28°50	16°48	7°17	11°29	9° 1	9°20	25°19	2° 7	3° 7	23° 5	n.a.	F 29
S 30	4 12 29	3♐12'19	21♈ 2	18♏35	0♑ 5	17♐35	7♉10	11♌28	9♍ 3	9♑22	25♏22	1♒58	3♒ 4	23♓12	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s53	4n 7	4n 8	4s29	2n26	19s42	0s43	20s 0	0s44	14n18	1s 3	19n 4	1n23	9n19	0n45	23s19	0n 9	12s46	6n32	19s15	19s22	0s39		n.a.
S 2	13 14	9 23	4 38	4 24	2 31	20 3	0 45	20 11	0 45	14 15	1 3	19 3	1 23	9 18	0 45	23 19	0 9	12 47	6 31	19 18	19 23	0 36		n.a.
S 3	13 35	14 21	4 55	4 24	2 34	20 23	0 48	20 23	0 45	14 13	1 3	19 3	1 24	9 17	0 45	23 19	0 9	12 47	6 31	19 21	19 23	0 33		n.a.
M 4	13 55	18 48	4 59	4 30	2 36	20 43	0 50	20 34	0 46	14 11	1 3	19 2	1 24	9 17	0 45	23 19	0 9	12 48	6 31	19 25	19 24	0 30		n.a.
T 5	14 15	22 31	4 49	4 40	2 37	21 2	0 52	20 45	0 46	14 8	1 3	19 2	1 24	9 16	0 45	23 19	0 9	12 49	6 31	19 28	19 25	0 27		n.a.
W 6	14 35	25 13	4 24	4 54	2 36	21 21	0 55	20 56	0 47	14 6	1 2	19 2	1 24	9 15	0 45	23 19	0 9	12 49	6 31	19 31	19 26	0 23		n.a.
T 7	14 55	26 39	3 46	5 12	2 35	21 39	0 57	21 7	0 47	14 3	1 2	19 1	1 25	9 14	0 45	23 19	0 9	12 50	6 31	19 34	19 26	0 20		n.a.
F 8	15 15	26 40	2 55	5 32	2 32	21 56	0 59	21 17	0 48	14 1	1 2	19 1	1 25	9 13	0 45	23 19	0 9	12 51	6 30	19 35	19 27	0 17		n.a.
S 9	15 34	25 10	1 55	5 56	2 29	22 13	1 1	21 27	0 48	13 58	1 2	19 0	1 25	9 12	0 46	23 18	0 9	12 51	6 30	19 36	19 28	0 14		n.a.
S 10	15 53	22 14	0 47	6 21	2 25	22 29	1 4	21 37	0 48	13 56	1 2	19 0	1 25	9 12	0 46	23 18	0 9	12 52	6 30	19 37	19 29	0 11		n.a.
M11	16 11	18 1	0s25	6 49	2 20	22 45	1 6	21 47	0 49	13 53	1 2	19 0	1 26	9 11	0 46	23 18	0 9	12 53	6 30	19 37	19 29	0 7		n.a.
T 12	16 30	12 46	1 37	7 19	2 15	22 59	1 8	21 57	0 49	13 51	1 2	19 0	1 26	9 10	0 46	23 18	0 9	12 53	6 30	19 37	19 30	0 4		n.a.
W13	16 48	6 45	2 44	7 49	2 9	23 14	1 10	22 6	0 50	13 48	1 1	18 59	1 26	9 9	0 46	23 18	0 9	12 54	6 30	19 37	19 31	0 1		n.a.
T 14	17 6	0 19	3 42	8 21	2 3	23 27	1 12	22 15	0 50	13 46	1 1	18 59	1 26	9 9	0 46	23 18	0 9	12 55	6 30	19 38	19 32	0n 2		n.a.
F 15	17 23	6s13	4 26	8 54	1 57	23 40	1 14	22 24	0 51	13 44	1 1	18 59	1 26	9 8	0 46	23 18	0 9	12 55	6 29	19 39	19 32	0 5		n.a.
S 16	17 40	12 28	4 53	9 28	1 50	23 52	1 16	22 33	0 51	13 41	1 1	18 59	1 27	9 7	0 46	23 18	0 9	12 56	6 29	19 42	19 33	0 9		n.a.
S 17	17 57	18 0	5 1	10 2	1 43	24 3	1 18	22 41	0 52	13 39	1 1	18 59	1 27	9 7	0 46	23 18	0 9	12 56	6 29	19 44	19 34	0 12		n.a.
M18	18 14	22 26	4 49	10 36	1 36	24 14	1 19	22 49	0 52	13 36	1 1	18 59	1 27	9 6	0 46	23 18	0 9	12 57	6 29	19 47	19 35	0 15		n.a.
T 19	18 30	25 24	4 19	11 11	1 29	24 24	1 21	22 57	0 52	13 34	1 0	18 59	1 27	9 5	0 46	23 18	0 9	12 58	6 29	19 50	19 35	0 18		n.a.
W20	18 46	26 43	3 33	11 46	1 22	24 33	1 23	23 5	0 53	13 32	1 0	18 59	1 28	9 5	0 46	23 17	0 9	12 58	6 29	19 52	19 36	0 21		n.a.
T 21	19 1	26 22	2 37	12 21	1 15	24 41	1 25	23 12	0 53	13 29	1 0	18 59	1 28	9 4	0 46	23 17	0 9	12 59	6 29	19 53	19 37	0 25		n.a.
F 22	19 16	24 32	1 34	12 57	1 7	24 49	1 26	23 19	0 54	13 27	1 0	18 59	1 28	9 4	0 46	23 17	0 9	13 0	6 29	19 54	19 38	0 28		n.a.
S 23	19 31	21 29	0 28	13 31	1 0	24 56	1 28	23 26	0 54	13 25	1 0	18 59	1 28	9 3	0 46	23 17	0 9	13 0	6 29	19 54	19 38	0 31		n.a.
S 24	19 46	17 32	0n38	14 6	0 53	25 2	1 29	23 32	0 54	13 23	0 59	18 59	1 29	9 3	0 46	23 17	0 9	13 1	6 29	19 54	19 39	0 34		n.a.
M25	20 0	12 56	1 41	14 41	0 45	25 7	1 31	23 39	0 55	13 21	0 59	18 59	1 29	9 2	0 46	23 17	0 9	13 1	6 28	19 54	19 40	0 37		n.a.
T 26	20 13	7 56	2 38	15 15	0 38	25 12	1 32	23 45	0 55	13 18	0 59	18 59	1 29	9 2	0 46	23 17	0 9	13 2	6 28	19 54	19 41	0 41		n.a.
W27	20 27	2 42	3 28	15 48	0 30	25 15	1 33	23 51	0 56	13 16	0 59	19 0	1 29	9 1	0 46	23 17	0 9	13 3	6 28	19 55	19 41	0 44		n.a.
T 28	20 40	2n38	4 10	16 22	0 23	25 18	1 35	23 56	0 56	13 14	0 58	19 0	1 30	9 1	0 46	23 17	0 9	13 3	6 28	19 55	19 42	0 47		n.a.
F 29	20 52	7 53	4 40	16 55	0 16	25 21	1 36	24 1	0 56	13 12	0 58	19 0	1 30	9 0	0 46	23 16	0 9	13 4	6 28	19 57	19 43	0 50		n.a.
S 30	21s 4	12n55	4n59	17s27	0n 9	25s22	1s37	24s 6	0s57	13n10	0s58	19n 0	1n30	9n 0	0n46	23s16	0n 9	13s 4	6n28	19s59	19s44	0n53		n.a.

Julian Day Number = 1550790.5, Delta T = 04h31m00s
Ecliptic obliquity = 23°45'12, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'28, Lahiri = -10°24'28 Julian Calendar 1 Nov. 468 BCE == Greg. Calendar 27 Oct. 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 468 BCE
geocentric

DECEMBER 468 BCE (-467) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 16 25	4♐13'35	3♉17	20♏ 5	1♑19	18♐22	7°R 4	11°R28	9♍ 4	9♑24	25♏24	1°R48	3♒ 1	23♓19	n.a.	S 1
M 2	4 20 22	5°14'50	15°46	21°36	2°33	19° 9	6♉57	11♌27	9° 5	9°26	25°26	1♒37	2°58	23°26	n.a.	M 2
T 3	4 24 19	6°16'04	28°30	23° 6	3°48	19°56	6°51	11°27	9° 6	9°28	25°28	1°26	2°55	23°32	n.a.	T 3
W 4	4 28 15	7°17'19	11♊27	24°38	5° 2	20°43	6°45	11°26	9° 7	9°30	25°30	1°17	2°51	23°39	n.a.	W 4
T 5	4 32 12	8°18'33	24°38	26° 9	6°17	21°30	6°39	11°25	9° 7	9°32	25°33	1° 9	2°48	23°46	n.a.	T 5
F 6	4 36 8	9°19'48	8♋ 1	27°41	7°31	22°18	6°33	11°24	9° 8	9°34	25°35	1° 4	2°45	23°52	n.a.	F 6
S 7	4 40 5	10°21'02	21°34	29°14	8°45	23° 5	6°27	11°23	9° 9	9°36	25°37	1° 2	2°42	23°59	n.a.	S 7
S 8	4 44 1	11°22'15	5♌16	0♐46	9°59	23°52	6°22	11°22	9°10	9°38	25°39	1°D 2	2°39	24° 6	n.a.	S 8
M 9	4 47 58	12°23'29	19° 6	2°20	11°14	24°39	6°17	11°21	9°10	9°40	25°41	1° 3	2°35	24°12	n.a.	M 9
T 10	4 51 55	13°24'42	3♍ 3	3°53	12°28	25°26	6°12	11°20	9°11	9°42	25°43	1° 4	2°32	24°19	n.a.	T 10
W11	4 55 51	14°25'55	17° 8	5°27	13°42	26°14	6° 7	11°18	9°11	9°44	25°45	1°R 4	2°29	24°26	n.a.	W11
T 12	4 59 48	15°27'08	1♎19	7° 2	14°56	27° 1	6° 2	11°16	9°12	9°46	25°48	1° 3	2°26	24°32	n.a.	T 12
F 13	5 3 44	16°28'21	15°34	8°37	16°10	27°48	5°57	11°15	9°12	9°48	25°50	1° 0	2°23	24°39	n.a.	F 13
S 14	5 7 41	17°29'33	29°50	10°13	17°24	28°36	5°53	11°13	9°13	9°50	25°52	0°55	2°20	24°46	n.a.	S 14
S 15	5 11 37	18°30'45	14♏ 4	11°49	18°38	29°23	5°48	11°11	9°13	9°52	25°54	0°48	2°16	24°53	n.a.	S 15
M16	5 15 34	19°31'57	28°11	13°25	19°52	0♑10	5°44	11° 9	9°13	9°55	25°56	0°41	2°13	24°59	n.a.	M16
T 17	5 19 30	20°33'07	12♐ 5	15° 2	21° 6	0°58	5°40	11° 7	9°13	9°57	25°58	0°34	2°10	25° 6	n.a.	T 17
W18	5 23 27	21°34'18	25°44	16°40	22°20	1°45	5°37	11° 5	9°13	9°59	26° 0	0°28	2° 7	25°13	n.a.	W18
T 19	5 27 24	22°35'27	9♑ 4	18°18	23°34	2°32	5°33	11° 3	9°14	10° 1	26° 2	0°24	2° 4	25°19	n.a.	T 19
F 20	5 31 20	23°36'36	22° 4	19°57	24°48	3°20	5°30	11° 0	9°R14	10° 3	26° 4	0°22	2° 1	25°26	n.a.	F 20
S 21	5 35 17	24°37'43	4♒44	21°36	26° 2	4° 7	5°27	10°58	9°14	10° 5	26° 6	0°D22	1°57	25°33	n.a.	S 21
S 22	5 39 13	25°38'49	17° 6	23°16	27°16	4°55	5°24	10°55	9°13	10° 8	26° 8	0°23	1°54	25°39	n.a.	S 22
M23	5 43 10	26°39'54	29°13	24°57	28°29	5°42	5°21	10°53	9°13	10°10	26°10	0°25	1°51	25°46	n.a.	M23
T 24	5 47 6	27°40'58	11♓10	26°38	29°43	6°29	5°19	10°50	9°13	10°12	26°12	0°27	1°48	25°53	n.a.	T 24
W25	5 51 3	28°42'00	23° 2	28°20	0♒57	7°17	5°16	10°47	9°13	10°14	26°14	0°28	1°45	26° 0	n.a.	W25
T 26	5 55 0	29°43'01	4♈53	0♑ 2	2°10	8° 4	5°14	10°44	9°12	10°17	26°16	0°R28	1°41	26° 6	n.a.	T 26
F 27	5 58 56	0♑44'01	16°48	1°46	3°24	8°52	5°12	10°41	9°12	10°19	26°18	0°26	1°38	26°13	n.a.	F 27
S 28	6 2 53	1°45'00	28°53	3°29	4°37	9°39	5°10	10°38	9°12	10°21	26°20	0°24	1°35	26°20	n.a.	S 28
S 29	6 6 49	2°45'57	11♉11	5°14	5°51	10°26	5° 9	10°35	9°11	10°23	26°22	0°20	1°32	26°26	n.a.	S 29
M30	6 10 46	3°46'52	23°45	6°59	7° 4	11°14	5° 8	10°31	9°11	10°26	26°23	0°16	1°29	26°33	n.a.	M30
T 31	6 14 42	4♑47'47	6♊38	8♑44	8♒18	12♑ 1	5♉ 6	10♌28	9♍10	10♑28	26♏25	0♒11	1♒26	26♓40	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s16	17n31	5n 4	17s58	0n 2	25s23	1s38	24s11	0s57	13n 8	0s58	19n 1	1n30	9n 0	0n46	23s16	0n 9	13s 5	6n28	20s 1	19s44	0n57		n.a.
M 2	21 27	21 28	4 55	18 29	0s 5	25 23	1 39	24 15	0 57	13 6	0 58	19 1	1 30	8 59	0 46	23 16	0 9	13 6	6 28	20 4	19 45	1 0		n.a.
T 3	21 38	24 30	4 32	19 0	0 12	25 22	1 40	24 19	0 58	13 5	0 57	19 1	1 31	8 59	0 47	23 16	0 9	13 6	6 28	20 6	19 46	1 3		n.a.
W 4	21 49	26 18	3 54	19 29	0 19	25 20	1 41	24 23	0 58	13 3	0 57	19 2	1 31	8 59	0 47	23 16	0 9	13 7	6 28	20 8	19 47	1 6		n.a.
T 5	21 59	26 41	3 2	19 58	0 26	25 18	1 42	24 27	0 58	13 1	0 57	19 2	1 31	8 58	0 47	23 16	0 9	13 7	6 28	20 10	19 47	1 9		n.a.
F 6	22 8	25 31	2 0	20 26	0 32	25 14	1 42	24 30	0 59	12 59	0 57	19 3	1 31	8 58	0 47	23 16	0 9	13 8	6 28	20 11	19 48	1 13		n.a.
S 7	22 18	22 50	0 51	20 53	0 39	25 10	1 43	24 33	0 59	12 58	0 56	19 3	1 32	8 58	0 47	23 15	0 9	13 8	6 28	20 11	19 49	1 16		n.a.
S 8	22 26	18 50	0s23	21 19	0 45	25 5	1 44	24 36	0 59	12 56	0 56	19 4	1 32	8 58	0 47	23 15	0 9	13 9	6 28	20 12	19 50	1 19		n.a.
M 9	22 35	13 47	1 36	21 44	0 51	25 0	1 44	24 38	0 59	12 55	0 56	19 4	1 32	8 57	0 47	23 15	0 9	13 9	6 28	20 11	19 50	1 22		n.a.
T 10	22 42	7 58	2 44	22 8	0 57	24 54	1 44	24 40	1 0	12 53	0 56	19 5	1 32	8 57	0 47	23 15	0 9	13 10	6 28	20 11	19 51	1 25		n.a.
W11	22 50	1 44	3 43	22 31	1 3	24 46	1 45	24 42	1 0	12 52	0 55	19 6	1 33	8 57	0 47	23 15	0 9	13 10	6 27	20 11	19 52	1 28		n.a.
T 12	22 57	4s37	4 28	22 53	1 8	24 39	1 45	24 43	1 0	12 50	0 55	19 6	1 33	8 57	0 47	23 15	0 9	13 11	6 27	20 11	19 52	1 32		n.a.
F 13	23 3	10 46	4 58	23 14	1 14	24 30	1 45	24 45	1 1	12 49	0 55	19 7	1 33	8 57	0 47	23 15	0 9	13 11	6 27	20 12	19 53	1 35		n.a.
S 14	23 9	16 21	5 9	23 34	1 19	24 21	1 45	24 46	1 1	12 48	0 55	19 8	1 33	8 57	0 47	23 14	0 9	13 12	6 27	20 13	19 54	1 38		n.a.
S 15	23 15	21 2	5 0	23 53	1 24	24 11	1 45	24 46	1 1	12 47	0 54	19 9	1 33	8 57	0 47	23 14	0 9	13 12	6 27	20 15	19 55	1 41		n.a.
M16	23 20	24 28	4 34	24 10	1 28	24 0	1 45	24 47	1 1	12 46	0 54	19 9	1 34	8 56	0 47	23 14	0 8	13 13	6 27	20 16	19 55	1 44		n.a.
T 17	23 25	26 22	3 52	24 26	1 33	23 48	1 45	24 47	1 2	12 44	0 54	19 10	1 34	8 56	0 47	23 14	0 8	13 13	6 27	20 18	19 56	1 48		n.a.
W18	23 29	26 38	2 57	24 41	1 37	23 36	1 45	24 46	1 2	12 43	0 54	19 11	1 34	8 56	0 47	23 14	0 8	13 14	6 27	20 19	19 57	1 51		n.a.
T 19	23 33	25 19	1 53	24 54	1 41	23 23	1 45	24 46	1 2	12 43	0 53	19 12	1 34	8 56	0 47	23 14	0 8	13 14	6 27	20 20	19 58	1 54		n.a.
F 20	23 36	22 40	0 45	25 6	1 44	23 10	1 45	24 45	1 2	12 42	0 53	19 13	1 35	8 56	0 47	23 14	0 8	13 15	6 27	20 20	19 58	1 57		n.a.
S 21	23 39	18 57	0n24	25 16	1 48	22 55	1 44	24 44	1 2	12 41	0 53	19 14	1 35	8 57	0 47	23 13	0 8	13 15	6 27	20 20	19 59	2 0		n.a.
S 22	23 41	14 29	1 30	25 25	1 51	22 40	1 44	24 42	1 3	12 40	0 52	19 14	1 35	8 57	0 47	23 13	0 8	13 16	6 27	20 20	20 0	2 3		n.a.
M23	23 43	9 32	2 31	25 33	1 53	22 25	1 43	24 41	1 3	12 40	0 52	19 15	1 35	8 57	0 47	23 13	0 8	13 16	6 27	20 20	20 0	2 7		n.a.
T 24	23 44	4 19	3 25	25 38	1 56	22 8	1 42	24 38	1 3	12 39	0 52	19 16	1 35	8 57	0 47	23 13	0 8	13 17	6 27	20 19	20 1	2 10		n.a.
W25	23 45	1n 0	4 9	25 42	1 58	21 52	1 42	24 36	1 3	12 38	0 52	19 17	1 36	8 57	0 47	23 13	0 8	13 17	6 27	20 19	20 2	2 13		n.a.
T 26	23 45	6 17	4 43	25 44	1 59	21 34	1 41	24 34	1 3	12 38	0 51	19 18	1 36	8 57	0 47	23 13	0 8	13 18	6 27	20 19	20 3	2 16		n.a.
F 27	23 45	11 21	5 4	25 45	2 0	21 16	1 40	24 31	1 4	12 38	0 51	19 19	1 36	8 57	0 48	23 12	0 8	13 18	6 27	20 19	20 3	2 19		n.a.
S 28	23 44	16 5	5 13	25 44	2 1	20 57	1 39	24 27	1 4	12 37	0 51	19 20	1 36	8 58	0 48	23 12	0 8	13 18	6 27	20 20	20 4	2 22		n.a.
S 29	23 43	20 14	5 8	25 40	2 2	20 38	1 38	24 24	1 4	12 37	0 51	19 22	1 36	8 58	0 48	23 12	0 8	13 19	6 27	20 21	20 5	2 25		n.a.
M30	23 42	23 35	4 47	25 35	2 2	20 18	1 36	24 20	1 4	12 37	0 50	19 23	1 37	8 58	0 48	23 12	0 8	13 19	6 27	20 22	20 5	2 29		n.a.
T 31	23s40	25n51	4n12	25s28	2s 1	19s58	1s35	24s16	1s 4	12n37	0s50	19n24	1n37	8n58	0n48	23s12	0n 8	13s20	6n27	20s23	20s 6	2n32		n.a.

Julian Day Number = 1550820.5, Delta T = 04h30m59s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'24, Lahiri = -10°24'24 Julian Calendar 1 Dec. 468 BCE == Greg. Calendar 26 Nov. 468 BCE

The year -467 astronomical counting style corresponds to year 468 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

JANUARY 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 18 39	5♑48'40	19♊51	10♑30	9♒31	12♑49	5°R 6	10°R25	9°R 9	10♑30	26♏27	0°R 7	1♒22	26♓46	n.a.	W 1
T 2	6 22 35	6°49'31	3♋22	12°17	10°44	13°36	5♉ 5	10♌21	9♍ 9	10°32	26°29	0♒ 4	1°19	26°53	n.a.	T 2
F 3	6 26 32	7°50'22	17° 9	14° 4	11°57	14°23	5° 4	10°18	9° 8	10°35	26°31	0° 3	1°16	27° 0	n.a.	F 3
S 4	6 30 29	8°51'10	1♌ 9	15°51	13°10	15°11	5° 4	10°14	9° 7	10°37	26°32	0°D 2	1°13	27° 7	n.a.	S 4
S 5	6 34 25	9°51'58	15°20	17°39	14°23	15°58	5°D 4	10°10	9° 6	10°39	26°34	0° 3	1°10	27°13	n.a.	S 5
M 6	6 38 22	10°52'44	29°35	19°27	15°36	16°45	5° 4	10° 6	9° 5	10°42	26°36	0° 4	1° 7	27°20	n.a.	M 6
T 7	6 42 18	11°53'29	13♍53	21°15	16°49	17°33	5° 4	10° 3	9° 4	10°44	26°38	0° 5	1° 3	27°27	n.a.	T 7
W 8	6 46 15	12°54'13	28° 9	23° 3	18° 2	18°20	5° 5	9°59	9° 3	10°46	26°39	0° 6	1° 0	27°33	n.a.	W 8
T 9	6 50 11	13°54'56	12♎21	24°51	19°14	19° 8	5° 5	9°55	9° 2	10°48	26°41	0°R 7	0°57	27°40	n.a.	T 9
F 10	6 54 8	14°55'37	26°27	26°38	20°27	19°55	5° 6	9°51	9° 1	10°51	26°43	0° 7	0°54	27°47	n.a.	F 10
S 11	6 58 4	15°56'18	10♏25	28°25	21°40	20°42	5° 7	9°47	9° 0	10°53	26°44	0° 6	0°51	27°53	n.a.	S 11
S 12	7 2 1	16°56'57	24°14	0♒10	22°52	21°30	5° 9	9°42	8°59	10°55	26°46	0° 4	0°47	28° 0	n.a.	S 12
M13	7 5 58	17°57'34	7♐53	1°54	24° 5	22°17	5°10	9°38	8°57	10°57	26°47	0° 2	0°44	28° 7	n.a.	M13
T 14	7 9 54	18°58'10	21°19	3°37	25°17	23° 4	5°12	9°34	8°56	11° 0	26°49	0° 1	0°41	28°14	n.a.	T 14
W15	7 13 51	19°58'45	4♑31	5°17	26°29	23°52	5°14	9°30	8°55	11° 2	26°50	29♑59	0°38	28°20	n.a.	W15
T 16	7 17 47	20°59'18	17°29	6°54	27°42	24°39	5°16	9°25	8°53	11° 4	26°52	29°59	0°35	28°27	n.a.	T 16
F 17	7 21 44	21°59'50	0♒13	8°28	28°54	25°26	5°18	9°21	8°52	11° 7	26°53	29°D59	0°32	28°34	n.a.	F 17
S 18	7 25 40	23° 0'19	12°42	9°58	0♓ 6	26°14	5°21	9°16	8°50	11° 9	26°55	29°59	0°28	28°40	n.a.	S 18
S 19	7 29 37	24° 0'47	24°59	11°23	1°18	27° 1	5°23	9°12	8°49	11°11	26°56	29°59	0°25	28°47	n.a.	S 19
M20	7 33 33	25° 1'12	7♓ 4	12°44	2°30	27°48	5°26	9° 7	8°47	11°13	26°58	29°59	0°22	28°54	n.a.	M20
T 21	7 37 30	26° 1'36	19° 1	13°58	3°42	28°35	5°29	9° 3	8°46	11°15	26°59	0♒ 0	0°19	29° 0	n.a.	T 21
W22	7 41 27	27° 1'58	0♈53	15° 7	4°53	29°22	5°33	8°58	8°44	11°18	27° 0	0° 1	0°16	29° 7	n.a.	W22
T 23	7 45 23	28° 2'17	12°44	16° 8	6° 5	0♒10	5°36	8°54	8°42	11°20	27° 2	0° 1	0°13	29°14	n.a.	T 23
F 24	7 49 20	29° 2'35	24°39	17° 1	7°16	0°57	5°40	8°49	8°41	11°22	27° 3	0° 1	0° 9	29°21	n.a.	F 24
S 25	7 53 16	0♒ 2'50	6♉42	17°46	8°28	1°44	5°44	8°44	8°39	11°24	27° 4	0° 1	0° 6	29°27	n.a.	S 25
S 26	7 57 13	1° 3'03	18°58	18°23	9°39	2°31	5°48	8°40	8°37	11°26	27° 5	0° 1	0° 3	29°34	n.a.	S 26
M27	8 1 9	2° 3'14	1♊31	18°50	10°50	3°18	5°52	8°35	8°35	11°29	27° 7	0° 1	29♑59	29°41	n.a.	M27
T 28	8 5 6	3° 3'23	14°25	19° 8	12° 1	4° 5	5°56	8°30	8°33	11°31	27° 8	0° 2	29°57	29°47	n.a.	T 28
W29	8 9 2	4° 3'30	27°42	19°R17	13°12	4°52	6° 1	8°26	8°31	11°33	27° 9	0° 2	29°53	29°54	n.a.	W29
T 30	8 12 59	5° 3'34	11♋23	19°16	14°23	5°39	6° 5	8°21	8°29	11°35	27°10	0° 2	29°50	0♈ 1	n.a.	T 30
F 31	8 16 56	6♒ 3'37	25♋27	19♒ 6	15♓34	6♒26	6♉10	8♌16	8♍27	11♑37	27♏11	0°R 3	29♑47	0♈ 8	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23s37	26n44	3n23	25s19	2s 0	19s37	1s34	24s12	1s 4	12n37	0s50	19n25	1n37	8n59	0n48	23s12	0n 8	13s20	6n28	20s23	20s 7	2n35			n.a.
T 2	23 34	26 4	2 22	25 8	1 58	19 15	1 32	24 7	1 4	12 37	0 49	19 26	1 37	8 59	0 48	23 11	0 8	13 20	6 28	20 24	20 8	2 38			n.a.
F 3	23 31	23 48	1 10	24 55	1 56	18 53	1 31	24 2	1 5	12 37	0 49	19 27	1 37	8 59	0 48	23 11	0 8	13 21	6 28	20 24	20 8	2 41			n.a.
S 4	23 27	20 4	0s 6	24 40	1 53	18 31	1 29	23 57	1 5	12 37	0 49	19 28	1 38	9 0	0 48	23 11	0 8	13 21	6 28	20 24	20 9	2 44			n.a.
S 5	23 23	15 7	1 23	24 23	1 50	18 8	1 28	23 51	1 5	12 37	0 49	19 30	1 38	9 0	0 48	23 11	0 8	13 21	6 28	20 24	20 10	2 48			n.a.
M 6	23 18	9 20	2 36	24 4	1 46	17 44	1 26	23 46	1 5	12 37	0 48	19 31	1 38	9 0	0 48	23 11	0 8	13 22	6 28	20 24	20 10	2 51			n.a.
T 7	23 13	3 4	3 39	23 43	1 42	17 20	1 24	23 40	1 5	12 38	0 48	19 32	1 38	9 1	0 48	23 11	0 8	13 22	6 28	20 24	20 11	2 54			n.a.
W 8	23 7	3s21	4 28	23 20	1 36	16 56	1 22	23 33	1 5	12 38	0 48	19 33	1 38	9 1	0 48	23 10	0 8	13 22	6 28	20 24	20 12	2 57			n.a.
T 9	23 1	9 33	5 1	22 55	1 30	16 31	1 20	23 27	1 5	12 39	0 47	19 35	1 39	9 2	0 48	23 10	0 8	13 23	6 28	20 23	20 13	3 0			n.a.
F 10	22 54	15 13	5 15	22 28	1 24	16 6	1 18	23 20	1 5	12 39	0 47	19 36	1 39	9 2	0 48	23 10	0 8	13 23	6 28	20 24	20 13	3 3			n.a.
S 11	22 47	20 3	5 11	22 0	1 16	15 40	1 16	23 13	1 5	12 40	0 47	19 37	1 39	9 3	0 48	23 10	0 8	13 23	6 28	20 24	20 14	3 6			n.a.
S 12	22 40	23 44	4 48	21 29	1 8	15 14	1 14	23 5	1 5	12 41	0 47	19 38	1 39	9 3	0 48	23 10	0 8	13 24	6 28	20 24	20 15	3 9			n.a.
M13	22 32	26 1	4 10	20 57	0 59	14 47	1 12	22 58	1 5	12 41	0 46	19 40	1 39	9 4	0 48	23 10	0 8	13 24	6 28	20 24	20 15	3 13			n.a.
T 14	22 23	26 45	3 18	20 24	0 49	14 21	1 9	22 50	1 5	12 42	0 46	19 41	1 39	9 4	0 48	23 9	0 8	13 24	6 28	20 25	20 16	3 16			n.a.
W15	22 15	25 57	2 16	19 50	0 39	13 53	1 7	22 41	1 6	12 43	0 46	19 42	1 39	9 5	0 48	23 9	0 8	13 25	6 28	20 25	20 17	3 19			n.a.
T 16	22 5	23 44	1 9	19 14	0 28	13 26	1 4	22 33	1 6	12 44	0 46	19 44	1 40	9 5	0 48	23 9	0 8	13 25	6 28	20 25	20 17	3 22			n.a.
F 17	21 56	20 21	0n 1	18 38	0 16	12 58	1 2	22 24	1 6	12 45	0 45	19 45	1 40	9 6	0 48	23 9	0 8	13 25	6 28	20 25	20 18	3 25			n.a.
S 18	21 46	16 6	1 10	18 2	0 3	12 30	0 59	22 15	1 6	12 46	0 45	19 46	1 40	9 6	0 48	23 9	0 8	13 25	6 28	20 25	20 19	3 28			n.a.
S 19	21 35	11 15	2 14	17 25	0n11	12 2	0 56	22 6	1 6	12 47	0 45	19 48	1 40	9 7	0 48	23 8	0 8	13 26	6 28	20 25	20 19	3 31			n.a.
M20	21 24	6 4	3 12	16 49	0 25	11 33	0 53	21 57	1 6	12 48	0 45	19 49	1 40	9 8	0 48	23 8	0 8	13 26	6 29	20 25	20 20	3 34			n.a.
T 21	21 13	0 44	4 0	16 13	0 39	11 4	0 50	21 47	1 6	12 50	0 44	19 50	1 40	9 8	0 48	23 8	0 8	13 26	6 29	20 25	20 21	3 38			n.a.
W22	21 2	4n35	4 37	15 39	0 54	10 35	0 47	21 37	1 6	12 51	0 44	19 52	1 40	9 9	0 49	23 8	0 8	13 26	6 29	20 25	20 22	3 41			n.a.
T 23	20 49	9 44	5 3	15 6	1 10	10 5	0 44	21 27	1 6	12 52	0 44	19 53	1 41	9 10	0 49	23 8	0 8	13 26	6 29	20 25	20 22	3 44			n.a.
F 24	20 37	14 33	5 16	14 35	1 25	9 35	0 41	21 16	1 6	12 54	0 43	19 54	1 41	9 10	0 49	23 8	0 8	13 27	6 29	20 25	20 23	3 47			n.a.
S 25	20 24	18 52	5 15	14 6	1 41	9 6	0 38	21 6	1 5	12 55	0 43	19 56	1 41	9 11	0 49	23 7	0 8	13 27	6 29	20 25	20 24	3 50			n.a.
S 26	20 11	22 29	5 0	13 40	1 57	8 35	0 35	20 55	1 5	12 57	0 43	19 57	1 41	9 12	0 49	23 7	0 8	13 27	6 29	20 25	20 24	3 53			n.a.
M27	19 58	25 9	4 31	13 17	2 12	8 5	0 32	20 44	1 5	12 59	0 43	19 59	1 41	9 12	0 49	23 7	0 8	13 27	6 29	20 25	20 25	3 56			n.a.
T 28	19 44	26 35	3 47	12 57	2 27	7 35	0 28	20 33	1 5	13 0	0 42	20 0	1 41	9 13	0 49	23 7	0 8	13 27	6 29	20 25	20 26	3 59			n.a.
W29	19 30	26 34	2 50	12 41	2 42	7 4	0 25	20 21	1 5	13 2	0 42	20 1	1 41	9 14	0 49	23 7	0 8	13 28	6 29	20 25	20 26	4 2			n.a.
T 30	19 15	24 57	1 42	12 28	2 55	6 33	0 21	20 9	1 5	13 4	0 42	20 3	1 41	9 15	0 49	23 6	0 8	13 28	6 29	20 24	20 27	4 6			n.a.
F 31	19s 0	21n45	0n25	12s19	3n 8	6s 2	0s18	19s57	1s 5	13n 6	0s42	20n 4	1n41	9n16	0n49	23s 6	0n 8	13s28	6n30	20s24	20s28	4n 9			n.a.

Julian Day Number = 1550851.5, Delta T = 04h30m57s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'20, Lahiri = -10°24'19 Julian Calendar 1 Jan. 467 BCE == Greg. Calendar 27 Dec. 468 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

FEBRUARY 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 20 52	7♒ 3'37	9♌51	18°R46	16♓44	7♒13	6♉15	8°R11	8°R25	11♑39	27♏12	0°R 2	29♑44	0♈14	n.a.	S 1
S 2	8 24 49	8° 3'35	24°28	18♒19	17°55	8° 0	6°20	8♌ 7	8♍23	11°41	27°13	0♒ 2	29°41	0°21	n.a.	S 2
M 3	8 28 45	9° 3'31	9♍13	17°43	19° 5	8°47	6°26	8° 2	8°21	11°43	27°14	0° 1	29°38	0°28	n.a.	M 3
T 4	8 32 42	10° 3'26	23°58	17° 1	20°15	9°34	6°31	7°57	8°19	11°46	27°15	29♑59	29°34	0°34	n.a.	T 4
W 5	8 36 38	11° 3'18	8♎37	16°13	21°26	10°21	6°37	7°52	8°17	11°48	27°16	29°59	29°31	0°41	n.a.	W 5
T 6	8 40 35	12° 3'09	23° 4	15°21	22°36	11° 8	6°43	7°47	8°14	11°50	27°17	29°58	29°28	0°48	n.a.	T 6
F 7	8 44 31	13° 2'58	7♏16	14°25	23°45	11°55	6°49	7°43	8°12	11°52	27°18	29°D57	29°25	0°54	n.a.	F 7
S 8	8 48 28	14° 2'45	21°10	13°27	24°55	12°41	6°55	7°38	8°10	11°54	27°19	29°57	29°22	1° 1	n.a.	S 8
S 9	8 52 25	15° 2'31	4♐46	12°29	26° 5	13°28	7° 1	7°33	8° 8	11°56	27°19	29°58	29°19	1° 8	n.a.	S 9
M10	8 56 21	16° 2'15	18° 5	11°31	27°14	14°15	7° 8	7°29	8° 5	11°58	27°20	29°59	29°15	1°15	n.a.	M10
T 11	9 0 18	17° 1'56	1♑ 9	10°35	28°23	15° 2	7°15	7°24	8° 3	12° 0	27°21	0♒ 0	29°12	1°21	n.a.	T 11
W12	9 4 14	18° 1'36	13°58	9°42	29°33	15°48	7°21	7°19	8° 1	12° 1	27°22	0° 2	29° 9	1°28	n.a.	W12
T 13	9 8 11	19° 1'14	26°34	8°52	0♈41	16°35	7°28	7°15	7°58	12° 3	27°22	0°R 2	29° 6	1°35	n.a.	T 13
F 14	9 12 7	20° 0'50	8♒59	8° 8	1°50	17°22	7°36	7°10	7°56	12° 5	27°23	0° 2	29° 3	1°41	n.a.	F 14
S 15	9 16 4	21° 0'24	21°14	7°28	2°59	18° 8	7°43	7° 6	7°53	12° 7	27°24	0° 1	28°59	1°48	n.a.	S 15
S 16	9 20 0	21°59'56	3♓21	6°54	4° 8	18°55	7°50	7° 1	7°51	12° 9	27°24	29♑58	28°56	1°55	n.a.	S 16
M17	9 23 57	22°59'25	15°21	6°26	5°16	19°41	7°58	6°57	7°48	12°11	27°25	29°55	28°53	2° 2	n.a.	M17
T 18	9 27 54	23°58'52	27°15	6° 4	6°24	20°28	8° 5	6°52	7°46	12°13	27°25	29°51	28°50	2° 8	n.a.	T 18
W19	9 31 50	24°58'17	9♈ 6	5°48	7°32	21°14	8°13	6°48	7°43	12°15	27°26	29°46	28°47	2°15	n.a.	W19
T 20	9 35 47	25°57'39	20°57	5°38	8°40	22° 1	8°21	6°43	7°41	12°16	27°26	29°42	28°44	2°22	n.a.	T 20
F 21	9 39 43	26°56'59	2♉52	5°D34	9°48	22°47	8°29	6°39	7°38	12°18	27°27	29°39	28°40	2°28	n.a.	F 21
S 22	9 43 40	27°56'17	14°53	5°36	10°55	23°33	8°38	6°35	7°36	12°20	27°27	29°37	28°37	2°35	n.a.	S 22
S 23	9 47 36	28°55'32	27° 6	5°43	12° 2	24°20	8°46	6°30	7°33	12°22	27°27	29°D36	28°34	2°42	n.a.	S 23
M24	9 51 33	29°54'45	9♊35	5°56	13° 9	25° 6	8°54	6°26	7°31	12°23	27°28	29°37	28°31	2°48	n.a.	M24
T 25	9 55 29	0♓53'56	22°24	6°14	14°16	25°52	9° 3	6°22	7°28	12°25	27°28	29°38	28°28	2°55	n.a.	T 25
W26	9 59 26	1°53'04	5♋37	6°36	15°23	26°38	9°12	6°18	7°26	12°27	27°28	29°39	28°25	3° 2	n.a.	W26
T 27	10 3 22	2°52'10	19°16	7° 4	16°29	27°24	9°21	6°14	7°23	12°28	27°28	29°41	28°21	3° 9	n.a.	T 27
F 28	10 7 19	3♓51'13	3♌23	7♒36	17♈35	28♒10	9♉30	6♌10	7♍21	12♑30	27♏29	29°R41	28♑18	3♈15	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s45	17n 9	0s54	12s15	3n19	5s31	0s14	19s45	1s 5	13n 8	0s41	20n 5	1n42	9n16	0n49	23s 6	0n 8	13s28	6n30	20s24	20s28	4n12		n.a.
S 2	18 29	11 29	2 11	12 14	3 29	5 0	0 11	19 33	1 5	13 10	0 41	20 7	1 42	9 17	0 49	23 6	0 8	13 28	6 30	20 25	20 29	4 15		n.a.
M 3	18 14	5 8	3 20	12 17	3 37	4 29	0 7	19 20	1 5	13 12	0 41	20 8	1 42	9 18	0 49	23 6	0 8	13 28	6 30	20 25	20 30	4 18		n.a.
T 4	17 57	1s29	4 16	12 24	3 43	3 57	0 3	19 8	1 5	13 14	0 41	20 9	1 42	9 19	0 49	23 6	0 8	13 28	6 30	20 25	20 30	4 21		n.a.
W 5	17 41	7 58	4 55	12 34	3 48	3 26	0n 1	18 55	1 5	13 16	0 41	20 11	1 42	9 20	0 49	23 5	0 8	13 29	6 30	20 25	20 31	4 24		n.a.
T 6	17 24	13 56	5 14	12 47	3 50	2 55	0 4	18 42	1 5	13 18	0 40	20 12	1 42	9 21	0 49	23 5	0 8	13 29	6 30	20 25	20 32	4 27		n.a.
F 7	17 7	19 3	5 14	13 3	3 51	2 23	0 8	18 28	1 4	13 20	0 40	20 13	1 42	9 21	0 49	23 5	0 8	13 29	6 30	20 26	20 32	4 30		n.a.
S 8	16 50	23 1	4 55	13 21	3 49	1 51	0 12	18 15	1 4	13 23	0 40	20 15	1 42	9 22	0 49	23 5	0 8	13 29	6 30	20 26	20 33	4 33		n.a.
S 9	16 32	25 38	4 20	13 41	3 45	1 20	0 16	18 1	1 4	13 25	0 40	20 16	1 42	9 23	0 49	23 5	0 8	13 29	6 30	20 25	20 34	4 37		n.a.
M10	16 14	26 43	3 32	14 2	3 40	0 48	0 20	17 47	1 4	13 27	0 39	20 17	1 42	9 24	0 49	23 5	0 8	13 29	6 31	20 25	20 34	4 40		n.a.
T 11	15 56	26 18	2 33	14 25	3 32	0 17	0 24	17 33	1 4	13 30	0 39	20 18	1 42	9 25	0 49	23 4	0 8	13 29	6 31	20 25	20 35	4 43		n.a.
W12	15 38	24 28	1 28	14 47	3 23	0n15	0 28	17 19	1 4	13 32	0 39	20 20	1 42	9 26	0 49	23 4	0 8	13 29	6 31	20 25	20 36	4 46		n.a.
T 13	15 19	21 26	0 19	15 10	3 13	0 47	0 33	17 5	1 4	13 35	0 39	20 21	1 42	9 27	0 49	23 4	0 8	13 29	6 31	20 24	20 36	4 49		n.a.
F 14	15 0	17 27	0n49	15 33	3 2	1 18	0 37	16 50	1 3	13 37	0 38	20 22	1 42	9 28	0 49	23 4	0 8	13 29	6 31	20 25	20 37	4 52		n.a.
S 15	14 41	12 48	1 54	15 55	2 49	1 50	0 41	16 36	1 3	13 40	0 38	20 23	1 42	9 29	0 49	23 4	0 8	13 29	6 31	20 25	20 38	4 55		n.a.
S 16	14 22	7 43	2 53	16 17	2 36	2 21	0 45	16 21	1 3	13 42	0 38	20 25	1 42	9 30	0 49	23 4	0 8	13 29	6 31	20 25	20 38	4 58		n.a.
M17	14 2	2 25	3 44	16 37	2 22	2 52	0 49	16 6	1 3	13 45	0 38	20 26	1 42	9 31	0 49	23 3	0 8	13 29	6 31	20 26	20 39	5 1		n.a.
T 18	13 42	2n56	4 24	16 56	2 8	3 24	0 54	15 51	1 3	13 48	0 38	20 27	1 43	9 31	0 49	23 3	0 8	13 29	6 31	20 27	20 40	5 4		n.a.
W19	13 22	8 8	4 53	17 14	1 54	3 55	0 58	15 35	1 2	13 51	0 37	20 28	1 43	9 32	0 49	23 3	0 8	13 29	6 32	20 28	20 40	5 7		n.a.
T 20	13 2	13 3	5 10	17 31	1 39	4 26	1 2	15 20	1 2	13 53	0 37	20 29	1 43	9 33	0 49	23 3	0 8	13 29	6 32	20 29	20 41	5 10		n.a.
F 21	12 41	17 30	5 13	17 46	1 25	4 57	1 7	15 5	1 2	13 56	0 37	20 30	1 43	9 34	0 49	23 3	0 8	13 29	6 32	20 29	20 42	5 13		n.a.
S 22	12 21	21 19	5 2	17 59	1 10	5 28	1 11	14 49	1 2	13 59	0 37	20 32	1 43	9 35	0 49	23 3	0 8	13 29	6 32	20 30	20 42	5 16		n.a.
S 23	12 0	24 16	4 38	18 11	0 56	5 58	1 15	14 33	1 2	14 2	0 36	20 33	1 43	9 36	0 49	23 3	0 8	13 29	6 32	20 30	20 43	5 19		n.a.
M24	11 39	26 8	4 0	18 22	0 42	6 29	1 20	14 17	1 1	14 5	0 36	20 34	1 43	9 37	0 49	23 2	0 8	13 29	6 32	20 30	20 44	5 23		n.a.
T 25	11 18	26 41	3 10	18 30	0 28	6 59	1 24	14 1	1 1	14 8	0 36	20 35	1 43	9 38	0 49	23 2	0 8	13 29	6 32	20 30	20 44	5 26		n.a.
W26	10 57	25 46	2 8	18 37	0 15	7 29	1 28	13 45	1 1	14 11	0 36	20 36	1 43	9 39	0 49	23 2	0 8	13 29	6 32	20 29	20 45	5 29		n.a.
T 27	10 35	23 17	0 57	18 43	0 2	7 59	1 33	13 29	1 1	14 14	0 36	20 37	1 43	9 40	0 49	23 2	0 8	13 29	6 32	20 29	20 46	5 32		n.a.
F 28	10s13	19n19	0s20	18s46	0s10	8n29	1n37	13s12	1s 0	14n17	0s35	20n38	1n43	9n41	0n49	23s 2	0n 8	13s29	6n33	20s29	20s46	5n35		n.a.

Julian Day Number = 1550882.5, Delta T = 04h30m56s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'16, Lahiri = -10°24'15 Julian Calendar 1 Feb. 467 BCE == Greg. Calendar 27 Jan. 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

MARCH 467 BCE (-466) JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 11 16	4♓50'14	17♌56	8♒12	18♈41	28♒56	9♉39	6°R 6	7°R18	12♑31	27♏29	29°R40	28♑15	3♈22	n.a.	S 1
S 2	10 15 12	5°49'12	2♍49	8°51	19°47	29°42	9°48	6♌ 2	7♍15	12°33	27°29	29♑37	28°12	3°29	n.a.	S 2
M 3	10 19 9	6°48'09	17°56	9°35	20°53	0♓28	9°57	5°59	7°13	12°34	27°29	29°33	28° 9	3°35	n.a.	M 3
T 4	10 23 5	7°47'03	3♎ 5	10°22	21°58	1°14	10° 7	5°55	7°10	12°36	27°29	29°27	28° 5	3°42	n.a.	T 4
W 5	10 27 2	8°45'55	18° 8	11°13	23° 3	2° 0	10°16	5°51	7° 8	12°37	27°29	29°21	28° 2	3°49	n.a.	W 5
T 6	10 30 58	9°44'46	2♏56	12° 7	24° 8	2°46	10°26	5°48	7° 5	12°39	27°R29	29°16	27°59	3°56	n.a.	T 6
F 7	10 34 55	10°43'35	17°22	13° 4	25°12	3°32	10°36	5°44	7° 2	12°40	27°29	29°12	27°56	4° 2	n.a.	F 7
S 8	10 38 51	11°42'22	1♐23	14° 3	26°16	4°17	10°46	5°41	7° 0	12°42	27°29	29°10	27°53	4° 9	n.a.	S 8
S 9	10 42 48	12°41'07	14°59	15° 6	27°20	5° 3	10°56	5°38	6°57	12°43	27°29	29°D10	27°50	4°16	n.a.	S 9
M10	10 46 45	13°39'50	28°11	16°11	28°24	5°49	11° 6	5°34	6°55	12°44	27°29	29°10	27°46	4°22	n.a.	M10
T 11	10 50 41	14°38'32	11♑ 3	17°18	29°27	6°34	11°16	5°31	6°52	12°46	27°29	29°12	27°43	4°29	n.a.	T 11
W12	10 54 38	15°37'12	23°38	18°28	0♉31	7°20	11°26	5°28	6°50	12°47	27°28	29°R13	27°40	4°36	n.a.	W12
T 13	10 58 34	16°35'49	5♒59	19°40	1°33	8° 6	11°37	5°25	6°47	12°48	27°28	29°13	27°37	4°43	n.a.	T 13
F 14	11 2 31	17°34'25	18° 9	20°55	2°36	8°51	11°47	5°22	6°44	12°49	27°28	29°11	27°34	4°49	n.a.	F 14
S 15	11 6 27	18°32'59	0♓12	22°11	3°38	9°36	11°58	5°19	6°42	12°51	27°28	29° 7	27°30	4°56	n.a.	S 15
S 16	11 10 24	19°31'31	12°10	23°30	4°40	10°22	12° 8	5°17	6°39	12°52	27°27	29° 0	27°27	5° 3	n.a.	S 16
M17	11 14 20	20°30'01	24° 3	24°51	5°41	11° 7	12°19	5°14	6°37	12°53	27°27	28°52	27°24	5° 9	n.a.	M17
T 18	11 18 17	21°28'30	5♈55	26°13	6°43	11°52	12°30	5°11	6°34	12°54	27°27	28°42	27°21	5°16	n.a.	T 18
W19	11 22 13	22°26'56	17°47	27°38	7°43	12°38	12°41	5° 9	6°32	12°55	27°26	28°31	27°18	5°23	n.a.	W19
T 20	11 26 10	23°25'19	29°39	29° 5	8°44	13°23	12°52	5° 7	6°30	12°56	27°26	28°21	27°15	5°30	n.a.	T 20
F 21	11 30 7	24°23'41	11♉36	0♓33	9°44	14° 8	13° 3	5° 4	6°27	12°57	27°25	28°12	27°11	5°36	n.a.	F 21
S 22	11 34 3	25°22'01	23°38	2° 3	10°43	14°53	13°14	5° 2	6°25	12°58	27°25	28° 5	27° 8	5°43	n.a.	S 22
S 23	11 38 0	26°20'19	5♊51	3°35	11°43	15°38	13°26	5° 0	6°22	12°59	27°24	28° 1	27° 5	5°50	n.a.	S 23
M24	11 41 56	27°18'34	18°17	5° 9	12°42	16°23	13°37	4°58	6°20	13° 0	27°24	27°59	27° 2	5°56	n.a.	M24
T 25	11 45 53	28°16'48	1♋ 1	6°45	13°40	17° 8	13°48	4°56	6°18	13° 1	27°23	27°D58	26°59	6° 3	n.a.	T 25
W26	11 49 49	29°14'59	14° 7	8°22	14°38	17°53	14° 0	4°54	6°15	13° 2	27°23	27°59	26°56	6°10	n.a.	W26
T 27	11 53 46	0♈13'08	27°39	10° 2	15°35	18°38	14°11	4°53	6°13	13° 3	27°22	27°R59	26°52	6°17	n.a.	T 27
F 28	11 57 42	1°11'15	11♌39	11°43	16°32	19°23	14°23	4°51	6°11	13° 3	27°21	27°59	26°49	6°23	n.a.	F 28
S 29	12 1 39	2° 9'20	26° 7	13°26	17°29	20° 7	14°35	4°49	6° 8	13° 4	27°21	27°56	26°46	6°30	n.a.	S 29
S 30	12 5 36	3° 7'23	11♍ 0	15°10	18°25	20°52	14°47	4°48	6° 6	13° 5	27°20	27°51	26°43	6°37	n.a.	S 30
M31	12 9 32	4♈ 5'24	26♍12	16♓57	19♉20	21♓37	14♉58	4♌47	6♍ 4	13♑ 6	27♏19	27♑43	26♑40	6♈43	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s52	14n 6	1s38	18s49	0s22	8n59	1n41	12s56	1s 0	14n20	0s35	20n39	1n43	9n42	0n49	23s 2	0n 8	13s29	6n33	20s29	20s47	5n38		n.a.
S 2	9 30	7 57	2 51	18 49	0 33	9 28	1 46	12 39	1 0	14 23	0 35	20 40	1 43	9 43	0 49	23 2	0 8	13 29	6 33	20 30	20 48	5 41		n.a.
M 3	9 8	1 16	3 52	18 48	0 44	9 57	1 50	12 23	0 59	14 26	0 35	20 41	1 43	9 44	0 49	23 1	0 8	13 29	6 33	20 31	20 48	5 44		n.a.
T 4	8 46	5s29	4 38	18 45	0 55	10 26	1 55	12 6	0 59	14 30	0 35	20 42	1 43	9 45	0 49	23 1	0 8	13 29	6 33	20 32	20 49	5 47		n.a.
W 5	8 23	11 52	5 4	18 40	1 5	10 55	1 59	11 49	0 59	14 33	0 34	20 42	1 43	9 46	0 49	23 1	0 8	13 28	6 33	20 33	20 50	5 50		n.a.
T 6	8 1	17 29	5 9	18 34	1 14	11 23	2 3	11 32	0 59	14 36	0 34	20 43	1 42	9 47	0 49	23 1	0 8	13 28	6 33	20 34	20 50	5 53		n.a.
F 7	7 38	21 56	4 55	18 26	1 23	11 51	2 8	11 15	0 58	14 39	0 34	20 44	1 42	9 48	0 49	23 1	0 8	13 28	6 33	20 35	20 51	5 56		n.a.
S 8	7 16	24 59	4 23	18 17	1 31	12 19	2 12	10 58	0 58	14 43	0 34	20 45	1 42	9 49	0 49	23 1	0 8	13 28	6 33	20 36	20 51	5 59		n.a.
S 9	6 53	26 29	3 36	18 5	1 39	12 46	2 16	10 40	0 58	14 46	0 34	20 46	1 42	9 50	0 49	23 1	0 8	13 28	6 34	20 36	20 52	6 2		n.a.
M10	6 30	26 24	2 40	17 53	1 46	13 13	2 20	10 23	0 57	14 49	0 33	20 47	1 42	9 51	0 49	23 0	0 8	13 28	6 34	20 35	20 53	6 5		n.a.
T 11	6 7	24 54	1 37	17 38	1 53	13 40	2 24	10 6	0 57	14 53	0 33	20 47	1 42	9 52	0 49	23 0	0 8	13 28	6 34	20 35	20 53	6 8		n.a.
W12	5 44	22 9	0 30	17 22	1 59	14 7	2 29	9 48	0 57	14 56	0 33	20 48	1 42	9 53	0 49	23 0	0 8	13 28	6 34	20 35	20 54	6 11		n.a.
T 13	5 21	18 26	0n36	17 4	2 4	14 33	2 33	9 31	0 56	15 0	0 33	20 49	1 42	9 54	0 49	23 0	0 8	13 27	6 34	20 35	20 55	6 14		n.a.
F 14	4 58	14 0	1 40	16 45	2 9	14 59	2 37	9 13	0 56	15 3	0 33	20 49	1 42	9 55	0 49	23 0	0 8	13 27	6 34	20 35	20 55	6 17		n.a.
S 15	4 35	9 4	2 39	16 24	2 14	15 24	2 41	8 56	0 56	15 6	0 33	20 50	1 42	9 56	0 49	23 0	0 8	13 27	6 34	20 36	20 56	6 20		n.a.
S 16	4 12	3 52	3 30	16 2	2 18	15 50	2 45	8 38	0 55	15 10	0 32	20 51	1 42	9 57	0 49	23 0	0 8	13 27	6 34	20 38	20 57	6 23		n.a.
M17	3 49	1n27	4 11	15 37	2 21	16 14	2 49	8 20	0 55	15 13	0 32	20 51	1 42	9 57	0 49	23 0	0 8	13 27	6 34	20 39	20 57	6 26		n.a.
T 18	3 25	6 41	4 42	15 12	2 24	16 39	2 53	8 2	0 55	15 17	0 32	20 52	1 42	9 58	0 49	23 0	0 8	13 27	6 34	20 41	20 58	6 29		n.a.
W19	3 2	11 40	5 0	14 44	2 27	17 3	2 57	7 44	0 54	15 20	0 32	20 53	1 42	9 59	0 49	23 0	0 8	13 26	6 35	20 44	20 58	6 32		n.a.
T 20	2 39	16 14	5 5	14 15	2 28	17 26	3 0	7 27	0 54	15 24	0 32	20 53	1 42	10 0	0 49	22 59	0 8	13 26	6 35	20 46	20 59	6 35		n.a.
F 21	2 15	20 12	4 57	13 45	2 30	17 49	3 4	7 9	0 54	15 28	0 32	20 54	1 42	10 1	0 49	22 59	0 7	13 26	6 35	20 48	21 0	6 38		n.a.
S 22	1 52	23 22	4 35	13 13	2 30	18 12	3 8	6 51	0 53	15 31	0 31	20 54	1 42	10 2	0 49	22 59	0 7	13 26	6 35	20 49	21 0	6 41		n.a.
S 23	1 28	25 31	4 1	12 39	2 31	18 34	3 11	6 33	0 53	15 35	0 31	20 54	1 42	10 3	0 49	22 59	0 7	13 26	6 35	20 50	21 1	6 44		n.a.
M24	1 5	26 28	3 16	12 4	2 30	18 56	3 15	6 15	0 52	15 38	0 31	20 55	1 42	10 4	0 49	22 59	0 7	13 25	6 35	20 50	21 2	6 47		n.a.
T 25	0 42	26 4	2 19	11 27	2 29	19 18	3 18	5 57	0 52	15 42	0 31	20 55	1 42	10 5	0 49	22 59	0 7	13 25	6 35	20 50	21 2	6 50		n.a.
W26	0 18	24 13	1 13	10 49	2 28	19 39	3 22	5 38	0 52	15 46	0 31	20 56	1 41	10 5	0 49	22 59	0 7	13 25	6 35	20 50	21 3	6 53		n.a.
T 27	0n 5	20 56	0 2	10 9	2 26	19 59	3 25	5 20	0 51	15 49	0 31	20 56	1 41	10 6	0 49	22 59	0 7	13 25	6 35	20 50	21 3	6 56		n.a.
F 28	0 29	16 22	1s12	9 28	2 23	20 19	3 28	5 2	0 51	15 53	0 30	20 56	1 41	10 7	0 49	22 59	0 7	13 25	6 35	20 50	21 4	6 59		n.a.
S 29	0 52	10 43	2 24	8 45	2 20	20 39	3 31	4 44	0 50	15 57	0 30	20 57	1 41	10 8	0 49	22 59	0 7	13 24	6 35	20 51	21 5	7 2		n.a.
S 30	1 15	4 20	3 28	8 1	2 17	20 58	3 34	4 26	0 50	16 0	0 30	20 57	1 41	10 9	0 49	22 59	0 7	13 24	6 36	20 52	21 5	7 5		n.a.
M31	1n39	2s25	4s18	7s15	2s12	21n16	3n37	4s 8	0s50	16n 4	0s30	20n57	1n41	10n10	0n49	22s59	0n 7	13s24	6n36	20s53	21s 6	7n 8		n.a.

Julian Day Number = 1550910.5, Delta T = 04h30m55s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'12, Lahiri = -10°24'11 Julian Calendar 1 March 467 BCE == Greg. Calendar 24 Feb. 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

APRIL 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 13 29	5♈ 3'23	11♎32	18♓45	20♉15	22♓21	15♉10	4°R45	6°R 2	13♑ 6	27°R18	27°R34	26♑36	6♈50	n.a.	T 1
W 2	12 17 25	6° 1'20	26°49	20°35	21° 9	23° 6	15°22	4♌44	6♍ 0	13° 7	27♏18	27♑24	26°33	6°57	n.a.	W 2
T 3	12 21 22	6°59'16	11♏52	22°27	22° 3	23°50	15°34	4°43	5°58	13° 8	27°17	27°15	26°30	7° 4	n.a.	T 3
F 4	12 25 18	7°57'10	26°32	24°21	22°56	24°35	15°47	4°42	5°56	13° 8	27°16	27° 8	26°27	7°10	n.a.	F 4
S 5	12 29 15	8°55'04	10♐44	26°16	23°49	25°19	15°59	4°42	5°54	13° 9	27°15	27° 2	26°24	7°17	n.a.	S 5
S 6	12 33 11	9°52'55	24°27	28°14	24°40	26° 3	16°11	4°41	5°52	13° 9	27°14	27° 0	26°21	7°24	n.a.	S 6
M 7	12 37 8	10°50'46	7♑42	0♈13	25°32	26°48	16°23	4°40	5°50	13°10	27°13	26°D59	26°17	7°30	n.a.	M 7
T 8	12 41 5	11°48'35	20°32	2°13	26°22	27°32	16°36	4°40	5°48	13°10	27°12	26°R59	26°14	7°37	n.a.	T 8
W 9	12 45 1	12°46'22	3♒ 2	4°16	27°12	28°16	16°48	4°39	5°46	13°11	27°11	26°59	26°11	7°44	n.a.	W 9
T 10	12 48 58	13°44'09	15°16	6°20	28° 1	29° 0	17° 1	4°39	5°44	13°11	27°10	26°57	26° 8	7°51	n.a.	T 10
F 11	12 52 54	14°41'54	27°19	8°25	28°49	29°44	17°13	4°39	5°42	13°11	27° 9	26°54	26° 5	7°57	n.a.	F 11
S 12	12 56 51	15°39'38	9♓15	10°32	29°37	0♈28	17°26	4°D39	5°40	13°12	27° 8	26°48	26° 2	8° 4	n.a.	S 12
S 13	13 0 47	16°37'20	21° 7	12°40	0♊23	1°12	17°38	4°39	5°38	13°12	27° 7	26°39	25°58	8°11	n.a.	S 13
M14	13 4 44	17°35'01	2♈58	14°49	1° 9	1°56	17°51	4°39	5°37	13°12	27° 6	26°27	25°55	8°17	n.a.	M14
T 15	13 8 40	18°32'41	14°50	16°59	1°54	2°40	18° 4	4°39	5°35	13°12	27° 5	26°14	25°52	8°24	n.a.	T 15
W16	13 12 37	19°30'19	26°43	19°10	2°38	3°24	18°17	4°39	5°33	13°13	27° 4	26° 0	25°49	8°31	n.a.	W16
T 17	13 16 33	20°27'56	8♉41	21°21	3°21	4° 7	18°29	4°40	5°32	13°13	27° 3	25°47	25°46	8°38	n.a.	T 17
F 18	13 20 30	21°25'32	20°43	23°32	4° 3	4°51	18°42	4°40	5°30	13°13	27° 2	25°35	25°42	8°44	n.a.	F 18
S 19	13 24 27	22°23'06	2♊52	25°43	4°44	5°35	18°55	4°41	5°29	13°13	27° 0	25°25	25°39	8°51	n.a.	S 19
S 20	13 28 23	23°20'38	15°10	27°54	5°24	6°18	19° 8	4°42	5°27	13°13	26°59	25°18	25°36	8°58	n.a.	S 20
M21	13 32 20	24°18'10	27°39	0♉ 4	6° 3	7° 2	19°21	4°42	5°26	13°R13	26°58	25°14	25°33	9° 4	n.a.	M21
T 22	13 36 16	25°15'40	10♋24	2°13	6°40	7°45	19°34	4°43	5°24	13°13	26°57	25°12	25°30	9°11	n.a.	T 22
W23	13 40 13	26°13'08	23°27	4°21	7°17	8°29	19°47	4°44	5°23	13°13	26°55	25°12	25°27	9°18	n.a.	W23
T 24	13 44 9	27°10'35	6♌53	6°27	7°52	9°12	20° 0	4°46	5°22	13°13	26°54	25°12	25°23	9°25	n.a.	T 24
F 25	13 48 6	28° 8'00	20°44	8°32	8°26	9°55	20°13	4°47	5°21	13°13	26°53	25°11	25°20	9°31	n.a.	F 25
S 26	13 52 2	29° 5'24	5♍ 1	10°35	8°58	10°38	20°27	4°48	5°19	13°13	26°51	25° 8	25°17	9°38	n.a.	S 26
S 27	13 55 59	0♉ 2'47	19°42	12°36	9°29	11°22	20°40	4°50	5°18	13°13	26°50	25° 2	25°14	9°45	n.a.	S 27
M28	13 59 56	1° 0'08	4♎43	14°35	9°59	12° 5	20°53	4°51	5°17	13°12	26°49	24°54	25°11	9°52	n.a.	M28
T 29	14 3 52	1°57'28	19°56	16°31	10°27	12°48	21° 6	4°53	5°16	13°12	26°47	24°44	25° 7	9°58	n.a.	T 29
W30	14 7 49	2♉54'47	5♏10	18♉25	10♊53	13♈31	21♉20	4♌54	5♍15	13♑12	26♏46	24♑33	25♑ 4	10♈ 5	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n 2	9s 4	4s51	6s28	2s 8	21n34	3n40	3s49	0s49	16n 8	0s30	20n57	1n41	10n10	0n49	22s59	0n 7	13s24	6n36	20s55	21s 7	7n11		n.a.
W 2	2 25	15 9	5 2	5 39	2 2	21 51	3 43	3 31	0 49	16 11	0 30	20 58	1 41	10 11	0 49	22 58	0 7	13 23	6 36	20 57	21 7	7 14		n.a.
T 3	2 49	20 13	4 53	4 49	1 57	22 8	3 45	3 13	0 48	16 15	0 29	20 58	1 41	10 12	0 49	22 58	0 7	13 23	6 36	20 59	21 8	7 17		n.a.
F 4	3 12	23 54	4 24	3 58	1 50	22 25	3 48	2 55	0 48	16 19	0 29	20 58	1 41	10 13	0 49	22 58	0 7	13 23	6 36	21 0	21 8	7 20		n.a.
S 5	3 35	25 58	3 39	3 5	1 44	22 41	3 50	2 36	0 47	16 22	0 29	20 58	1 41	10 13	0 49	22 58	0 7	13 23	6 36	21 1	21 9	7 23		n.a.
S 6	3 58	26 21	2 43	2 11	1 36	22 56	3 52	2 18	0 47	16 26	0 29	20 58	1 41	10 14	0 49	22 58	0 7	13 22	6 36	21 2	21 10	7 26		n.a.
M 7	4 21	25 12	1 40	1 16	1 28	23 11	3 54	2 0	0 46	16 30	0 29	20 58	1 40	10 15	0 49	22 58	0 7	13 22	6 36	21 2	21 10	7 29		n.a.
T 8	4 44	22 43	0 34	0 20	1 20	23 25	3 56	1 42	0 46	16 33	0 29	20 58	1 40	10 16	0 49	22 58	0 7	13 22	6 36	21 2	21 11	7 32		n.a.
W 9	5 7	19 13	0n32	0n37	1 12	23 39	3 58	1 24	0 45	16 37	0 29	20 58	1 40	10 16	0 49	22 58	0 7	13 22	6 36	21 2	21 11	7 35		n.a.
T 10	5 29	14 57	1 35	1 35	1 2	23 52	4 0	1 5	0 45	16 41	0 28	20 58	1 40	10 17	0 49	22 58	0 7	13 21	6 36	21 2	21 12	7 38		n.a.
F 11	5 52	10 10	2 33	2 34	0 53	24 4	4 1	0 47	0 45	16 45	0 28	20 58	1 40	10 18	0 49	22 58	0 7	13 21	6 36	21 3	21 13	7 41		n.a.
S 12	6 15	5 4	3 24	3 34	0 43	24 16	4 2	0 29	0 44	16 48	0 28	20 58	1 40	10 18	0 49	22 58	0 7	13 21	6 36	21 4	21 13	7 44		n.a.
S 13	6 37	0n11	4 5	4 34	0 33	24 28	4 4	0 11	0 44	16 52	0 28	20 58	1 40	10 19	0 49	22 58	0 7	13 20	6 36	21 6	21 14	7 47		n.a.
M14	6 59	5 24	4 35	5 34	0 23	24 39	4 5	0n 7	0 43	16 56	0 28	20 58	1 40	10 19	0 48	22 58	0 7	13 20	6 36	21 8	21 14	7 49		n.a.
T 15	7 22	10 25	4 54	6 34	0 12	24 49	4 5	0 25	0 43	17 0	0 28	20 58	1 40	10 20	0 48	22 58	0 7	13 20	6 36	21 11	21 15	7 52		n.a.
W16	7 44	15 4	5 0	7 34	0 2	24 59	4 6	0 43	0 42	17 3	0 28	20 58	1 40	10 21	0 48	22 58	0 7	13 20	6 36	21 13	21 16	7 55		n.a.
T 17	8 6	19 11	4 52	8 34	0n 9	25 8	4 7	1 1	0 42	17 7	0 27	20 57	1 39	10 21	0 48	22 58	0 7	13 19	6 36	21 16	21 16	7 58		n.a.
F 18	8 28	22 31	4 32	9 33	0 19	25 16	4 7	1 19	0 41	17 11	0 27	20 57	1 39	10 22	0 48	22 58	0 7	13 19	6 37	21 18	21 17	8 1		n.a.
S 19	8 49	24 54	3 59	10 32	0 30	25 24	4 7	1 37	0 41	17 14	0 27	20 57	1 39	10 22	0 48	22 58	0 7	13 19	6 37	21 20	21 17	8 4		n.a.
S 20	9 11	26 8	3 14	11 29	0 40	25 31	4 7	1 55	0 40	17 18	0 27	20 57	1 39	10 23	0 48	22 58	0 7	13 18	6 37	21 21	21 18	8 7		n.a.
M21	9 33	26 4	2 20	12 25	0 50	25 38	4 6	2 13	0 40	17 22	0 27	20 56	1 39	10 23	0 48	22 58	0 7	13 18	6 37	21 22	21 19	8 10		n.a.
T 22	9 54	24 37	1 17	13 20	1 0	25 44	4 5	2 31	0 39	17 26	0 27	20 56	1 39	10 24	0 48	22 58	0 7	13 18	6 37	21 22	21 19	8 13		n.a.
W23	10 15	21 50	0 9	14 13	1 9	25 50	4 5	2 49	0 39	17 29	0 27	20 56	1 39	10 24	0 48	22 58	0 7	13 18	6 37	21 22	21 20	8 16		n.a.
T 24	10 36	17 48	1s 1	15 4	1 18	25 55	4 3	3 7	0 38	17 33	0 27	20 55	1 39	10 25	0 48	22 58	0 7	13 17	6 37	21 22	21 20	8 19		n.a.
F 25	10 57	12 43	2 10	15 53	1 26	25 59	4 2	3 24	0 38	17 37	0 26	20 55	1 39	10 25	0 48	22 58	0 7	13 17	6 37	21 23	21 21	8 22		n.a.
S 26	11 18	6 48	3 14	16 41	1 34	26 2	4 0	3 42	0 37	17 40	0 26	20 54	1 39	10 25	0 48	22 58	0 7	13 17	6 37	21 23	21 22	8 25		n.a.
S 27	11 38	0 22	4 6	17 25	1 41	26 5	3 58	4 0	0 36	17 44	0 26	20 54	1 38	10 26	0 48	22 58	0 7	13 16	6 37	21 24	21 22	8 27		n.a.
M28	11 58	6s12	4 42	18 8	1 48	26 8	3 56	4 17	0 36	17 48	0 26	20 54	1 38	10 26	0 48	22 58	0 7	13 16	6 37	21 26	21 23	8 30		n.a.
T 29	12 19	12 30	4 59	18 48	1 54	26 10	3 54	4 35	0 35	17 51	0 26	20 53	1 38	10 27	0 48	22 58	0 7	13 16	6 37	21 28	21 23	8 33		n.a.
W30	12n39	18s 2	4s55	19n26	1n59	26n11	3n51	4n52	0s35	17n55	0s26	20n52	1n38	10n27	0n48	22s58	0n 7	13s15	6n37	21s30	21s24	8n36		n.a.

Julian Day Number = 1550941.5, Delta T = 04h30m54s
Ecliptic obliquity = 23°45'11, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'08, Lahiri = -10°24'07 Julian Calendar 1 Apr. 467 BCE == Greg. Calendar 27 March 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

MAY 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 11 45	3♉52'05	20♏15	20♉17	11♊18	14♈14	21♉33	4♌56	5°R14	13°R12	26°R45	24°R23	25♑ 1	10♈12	n.a.	T 1
F 2	14 15 42	4°49'22	4♐59	22° 6	11°41	14°57	21°46	4°58	5♍13	13♑11	26♏43	24♑14	24°58	10°18	n.a.	F 2
S 3	14 19 38	5°46'39	19°18	23°52	12° 3	15°40	22° 0	5° 0	5°12	13°11	26°42	24° 8	24°55	10°25	n.a.	S 3
S 4	14 23 35	6°43'55	3♑ 8	25°36	12°22	16°22	22°13	5° 2	5°12	13°11	26°40	24° 5	24°52	10°32	n.a.	S 4
M 5	14 27 32	7°41'11	16°28	27°17	12°40	17° 5	22°26	5° 5	5°11	13°10	26°39	24° 3	24°48	10°39	n.a.	M 5
T 6	14 31 28	8°38'25	29°22	28°55	12°56	17°48	22°40	5° 7	5°10	13°10	26°38	24°D 3	24°45	10°45	n.a.	T 6
W 7	14 35 25	9°35'40	11♒54	0♊31	13°10	18°30	22°53	5° 9	5° 9	13° 9	26°36	24°R 3	24°42	10°52	n.a.	W 7
T 8	14 39 21	10°32'54	24° 8	2° 4	13°21	19°13	23° 7	5°12	5° 9	13° 9	26°35	24° 3	24°39	10°59	n.a.	T 8
F 9	14 43 18	11°30'07	6♓10	3°34	13°31	19°55	23°20	5°14	5° 8	13° 8	26°33	24° 0	24°36	11° 5	n.a.	F 9
S 10	14 47 14	12°27'20	18° 4	5° 1	13°39	20°38	23°34	5°17	5° 8	13° 8	26°32	23°55	24°33	11°12	n.a.	S 10
S 11	14 51 11	13°24'32	29°55	6°26	13°44	21°20	23°47	5°20	5° 7	13° 7	26°30	23°48	24°29	11°19	n.a.	S 11
M12	14 55 7	14°21'44	11♈46	7°47	13°47	22° 3	24° 1	5°23	5° 7	13° 6	26°29	23°38	24°26	11°26	n.a.	M12
T 13	14 59 4	15°18'56	23°40	9° 6	13°R48	22°45	24°14	5°26	5° 7	13° 6	26°27	23°26	24°23	11°32	n.a.	T 13
W14	15 3 1	16°16'07	5♉38	10°22	13°47	23°27	24°28	5°29	5° 6	13° 5	26°26	23°14	24°20	11°39	n.a.	W14
T 15	15 6 57	17°13'18	17°43	11°35	13°43	24° 9	24°41	5°32	5° 6	13° 4	26°24	23° 2	24°17	11°46	n.a.	T 15
F 16	15 10 54	18°10'28	29°55	12°44	13°37	24°52	24°55	5°35	5° 6	13° 4	26°23	22°51	24°13	11°52	n.a.	F 16
S 17	15 14 50	19° 7'38	12♊16	13°51	13°29	25°34	25° 9	5°39	5° 6	13° 3	26°21	22°43	24°10	11°59	n.a.	S 17
S 18	15 18 47	20° 4'47	24°46	14°55	13°18	26°16	25°22	5°42	5° 6	13° 2	26°19	22°37	24° 7	12° 6	n.a.	S 18
M19	15 22 43	21° 1'56	7♋27	15°55	13° 4	26°58	25°36	5°46	5°D 6	13° 1	26°18	22°34	24° 4	12°13	n.a.	M19
T 20	15 26 40	21°59'04	20°21	16°52	12°49	27°39	25°50	5°49	5° 6	13° 0	26°16	22°D33	24° 1	12°19	n.a.	T 20
W21	15 30 36	22°56'11	3♌31	17°45	12°31	28°21	26° 3	5°53	5° 6	12°59	26°15	22°33	23°58	12°26	n.a.	W21
T 22	15 34 33	23°53'19	16°58	18°35	12°10	29° 3	26°17	5°57	5° 6	12°59	26°13	22°34	23°54	12°33	n.a.	T 22
F 23	15 38 30	24°50'25	0♍44	19°21	11°48	29°45	26°30	6° 0	5° 6	12°58	26°12	22°R34	23°51	12°40	n.a.	F 23
S 24	15 42 26	25°47'31	14°51	20° 4	11°23	0♉27	26°44	6° 4	5° 6	12°57	26°10	22°32	23°48	12°46	n.a.	S 24
S 25	15 46 23	26°44'36	29°17	20°43	10°57	1° 8	26°58	6° 8	5° 6	12°56	26° 9	22°29	23°45	12°53	n.a.	S 25
M26	15 50 19	27°41'41	14♎ 0	21°17	10°28	1°50	27°11	6°12	5° 7	12°55	26° 7	22°23	23°42	13° 0	n.a.	M26
T 27	15 54 16	28°38'46	28°53	21°48	9°58	2°31	27°25	6°17	5° 7	12°54	26° 5	22°16	23°39	13° 6	n.a.	T 27
W28	15 58 12	29°35'50	13♏49	22°14	9°26	3°13	27°38	6°21	5° 8	12°53	26° 4	22° 8	23°35	13°13	n.a.	W28
T 29	16 2 9	0♊32'55	28°39	22°36	8°52	3°54	27°52	6°25	5° 8	12°52	26° 2	22° 1	23°32	13°20	n.a.	T 29
F 30	16 6 5	1°29'59	13♐15	22°53	8°18	4°35	28° 6	6°30	5° 9	12°50	26° 1	21°54	23°29	13°27	n.a.	F 30
S 31	16 10 2	2♊27'04	27♐29	23♊ 6	7♊42	5♉17	28♉19	6♌34	5♍ 9	12♑49	25♏59	21♑50	23♑26	13♈33	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	12n58	22s23	4s31	20n 1	2n 3	26n11	3n48	5n 9	0s34	17n58	0s26	20n52	1n38	10n27	0n48	22s58	0n 7	13s15	6n37	21s31	21s24	8n39			n.a.
F 2	13 18	25 9	3 48	20 34	2 7	26 11	3 44	5 27	0 34	18 2	0 26	20 51	1 38	10 28	0 48	22 58	0 7	13 15	6 37	21 33	21 25	8 42			n.a.
S 3	13 37	26 11	2 53	21 5	2 10	26 10	3 40	5 44	0 33	18 6	0 25	20 51	1 38	10 28	0 48	22 58	0 7	13 15	6 37	21 34	21 26	8 45			n.a.
S 4	13 56	25 31	1 48	21 33	2 13	26 9	3 36	6 1	0 33	18 9	0 25	20 50	1 38	10 28	0 48	22 58	0 7	13 14	6 36	21 35	21 26	8 48			n.a.
M 5	14 15	23 23	0 40	21 59	2 14	26 7	3 32	6 18	0 32	18 13	0 25	20 49	1 38	10 28	0 48	22 58	0 7	13 14	6 36	21 35	21 27	8 51			n.a.
T 6	14 34	20 5	0n28	22 22	2 15	26 4	3 27	6 35	0 32	18 16	0 25	20 49	1 38	10 29	0 48	22 58	0 7	13 14	6 36	21 35	21 27	8 53			n.a.
W 7	14 53	15 57	1 33	22 43	2 15	26 0	3 22	6 52	0 31	18 20	0 25	20 48	1 37	10 29	0 48	22 59	0 7	13 13	6 36	21 35	21 28	8 56			n.a.
T 8	15 11	11 15	2 32	23 2	2 14	25 56	3 16	7 9	0 30	18 24	0 25	20 47	1 37	10 29	0 48	22 59	0 7	13 13	6 36	21 35	21 28	8 59			n.a.
F 9	15 29	6 13	3 24	23 19	2 13	25 51	3 10	7 26	0 30	18 27	0 25	20 47	1 37	10 29	0 48	22 59	0 7	13 13	6 36	21 35	21 29	9 2			n.a.
S 10	15 47	1 1	4 5	23 33	2 11	25 46	3 3	7 43	0 29	18 31	0 25	20 46	1 37	10 29	0 47	22 59	0 7	13 12	6 36	21 36	21 30	9 5			n.a.
S 11	16 4	4n11	4 36	23 46	2 8	25 40	2 56	7 59	0 29	18 34	0 24	20 45	1 37	10 29	0 47	22 59	0 7	13 12	6 36	21 38	21 30	9 8			n.a.
M12	16 21	9 14	4 55	23 56	2 4	25 33	2 49	8 16	0 28	18 38	0 24	20 44	1 37	10 30	0 47	22 59	0 7	13 12	6 36	21 39	21 31	9 11			n.a.
T 13	16 38	13 58	5 2	24 5	2 0	25 25	2 41	8 32	0 27	18 41	0 24	20 43	1 37	10 30	0 47	22 59	0 7	13 12	6 36	21 41	21 31	9 13			n.a.
W14	16 55	18 12	4 55	24 11	1 55	25 17	2 33	8 49	0 27	18 45	0 24	20 43	1 37	10 30	0 47	22 59	0 7	13 11	6 36	21 43	21 32	9 16			n.a.
T 15	17 12	21 43	4 35	24 16	1 49	25 8	2 24	9 5	0 26	18 48	0 24	20 42	1 37	10 30	0 47	22 59	0 7	13 11	6 36	21 45	21 32	9 19			n.a.
F 16	17 28	24 20	4 2	24 19	1 43	24 58	2 15	9 21	0 26	18 52	0 24	20 41	1 37	10 30	0 47	22 59	0 7	13 11	6 36	21 47	21 33	9 22			n.a.
S 17	17 44	25 49	3 17	24 21	1 36	24 47	2 5	9 37	0 25	18 55	0 24	20 40	1 37	10 30	0 47	22 59	0 7	13 10	6 36	21 49	21 34	9 25			n.a.
S 18	18 0	26 1	2 22	24 21	1 28	24 36	1 55	9 53	0 25	18 58	0 24	20 39	1 36	10 30	0 47	22 59	0 7	13 10	6 36	21 50	21 34	9 28			n.a.
M19	18 15	24 52	1 20	24 19	1 19	24 23	1 44	10 9	0 24	19 2	0 24	20 38	1 36	10 30	0 47	22 59	0 7	13 10	6 36	21 50	21 35	9 31			n.a.
T 20	18 30	22 23	0 12	24 16	1 10	24 10	1 33	10 25	0 23	19 5	0 24	20 37	1 36	10 30	0 47	23 0	0 7	13 10	6 36	21 50	21 35	9 33			n.a.
W21	18 45	18 41	0s58	24 11	1 0	23 57	1 22	10 41	0 23	19 8	0 23	20 36	1 36	10 30	0 47	23 0	0 7	13 9	6 36	21 50	21 36	9 36			n.a.
T 22	18 59	13 57	2 7	24 5	0 50	23 42	1 10	10 56	0 22	19 12	0 23	20 35	1 36	10 30	0 47	23 0	0 7	13 9	6 35	21 50	21 36	9 39			n.a.
F 23	19 14	8 24	3 9	23 58	0 39	23 27	0 58	11 12	0 22	19 15	0 23	20 34	1 36	10 29	0 47	23 0	0 7	13 9	6 35	21 50	21 37	9 42			n.a.
S 24	19 27	2 19	4 2	23 50	0 27	23 11	0 45	11 27	0 21	19 18	0 23	20 33	1 36	10 29	0 47	23 0	0 7	13 9	6 35	21 50	21 38	9 45			n.a.
S 25	19 41	4s 0	4 41	23 40	0 15	22 55	0 32	11 42	0 20	19 22	0 23	20 32	1 36	10 29	0 47	23 0	0 7	13 8	6 35	21 51	21 38	9 48			n.a.
M26	19 54	10 13	5 2	23 30	0 2	22 38	0 19	11 57	0 20	19 25	0 23	20 31	1 36	10 29	0 47	23 0	0 7	13 8	6 35	21 52	21 39	9 50			n.a.
T 27	20 7	15 56	5 4	23 18	0s11	22 20	0 6	12 12	0 19	19 28	0 23	20 29	1 36	10 29	0 47	23 0	0 7	13 8	6 35	21 53	21 39	9 53			n.a.
W28	20 20	20 42	4 44	23 6	0 25	22 1	0s 8	12 27	0 18	19 31	0 23	20 28	1 36	10 29	0 47	23 0	0 7	13 8	6 35	21 54	21 40	9 56			n.a.
T 29	20 32	24 7	4 6	22 53	0 40	21 43	0 22	12 42	0 18	19 35	0 23	20 27	1 36	10 28	0 47	23 0	0 7	13 7	6 35	21 56	21 40	9 59			n.a.
F 30	20 44	25 52	3 12	22 39	0 54	21 23	0 36	12 57	0 17	19 38	0 22	20 26	1 35	10 28	0 47	23 1	0 7	13 7	6 35	21 57	21 41	10 2			n.a.
S 31	20n55	25s51	2s 7	22n25	1s 9	21n 4	0s50	13n11	0s17	19n41	0s22	20n25	1n35	10n28	0n47	23s 1	0n 7	13s 7	6n34	21s57	21s41	10n 4			n.a.

Julian Day Number = 1550971.5, Delta T = 04h30m53s
Ecliptic obliquity = 23°45'10, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°31'04, Lahiri = -10°24'03 Julian Calendar 1 May 467 BCE == Greg. Calendar 26 Apr. 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

JUNE 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 13 59	3♊24'08	11♉17	23♊15	7°R 5	5♉58	28♉33	6♌39	5♍10	12°R48	25°R58	21°R48	23♉23	13♈40	n.a.	S 1
M 2	16 17 55	4°21'13	24°40	23°R18	6♊28	6°39	28°46	6°43	5°11	12♉47	25♏56	21°D47	23°19	13°47	n.a.	M 2
T 3	16 21 52	5°18'19	7♒37	23°17	5°51	7°20	29° 0	6°48	5°11	12°46	25°55	21♉48	23°16	13°53	n.a.	T 3
W 4	16 25 48	6°15'24	20°12	23°12	5°13	8° 1	29°14	6°53	5°12	12°45	25°53	21°49	23°13	14° 0	n.a.	W 4
T 5	16 29 45	7°12'30	2♓29	23° 1	4°36	8°42	29°27	6°58	5°13	12°43	25°52	21°R50	23°10	14° 7	n.a.	T 5
F 6	16 33 41	8° 9'37	14°33	22°47	3°59	9°23	29°41	7° 3	5°14	12°42	25°50	21°50	23° 7	14°14	n.a.	F 6
S 7	16 37 38	9° 6'44	26°29	22°28	3°23	10° 4	29°54	7° 8	5°15	12°41	25°49	21°48	23° 4	14°20	n.a.	S 7
S 8	16 41 35	10° 3'51	8♈21	22° 4	2°47	10°45	0♊ 8	7°13	5°16	12°39	25°47	21°45	23° 0	14°27	n.a.	S 8
M 9	16 45 31	11° 0'59	20°14	21°37	2°13	11°26	0°21	7°18	5°17	12°38	25°46	21°40	22°57	14°34	n.a.	M 9
T 10	16 49 28	11°58'08	2♉11	21° 7	1°40	12° 6	0°35	7°23	5°18	12°37	25°44	21°34	22°54	14°41	n.a.	T 10
W11	16 53 24	12°55'17	14°15	20°34	1° 8	12°47	0°48	7°28	5°19	12°35	25°43	21°27	22°51	14°47	n.a.	W11
T 12	16 57 21	13°52'27	26°28	19°57	0°38	13°28	1° 2	7°34	5°20	12°34	25°41	21°20	22°48	14°54	n.a.	T 12
F 13	17 1 17	14°49'38	8♊53	19°19	0°10	14° 8	1°15	7°39	5°22	12°33	25°40	21°14	22°45	15° 1	n.a.	F 13
S 14	17 5 14	15°46'49	21°29	18°40	29♉43	14°49	1°28	7°44	5°23	12°31	25°38	21°10	22°41	15° 7	n.a.	S 14
S 15	17 9 10	16°44'01	4♋17	18° 0	29°19	15°29	1°42	7°50	5°24	12°30	25°37	21° 7	22°38	15°14	n.a.	S 15
M16	17 13 7	17°41'13	17°17	17°20	28°57	16°10	1°55	7°55	5°26	12°28	25°35	21°D 5	22°35	15°21	n.a.	M16
T 17	17 17 4	18°38'25	0♌30	16°40	28°37	16°50	2° 8	8° 1	5°27	12°27	25°34	21° 6	22°32	15°28	n.a.	T 17
W18	17 21 0	19°35'38	13°55	16° 2	28°19	17°30	2°22	8° 7	5°29	12°26	25°33	21° 7	22°29	15°34	n.a.	W18
T 19	17 24 57	20°32'51	27°34	15°26	28° 3	18°10	2°35	8°13	5°30	12°24	25°31	21° 8	22°25	15°41	n.a.	T 19
F 20	17 28 53	21°30'05	11♍25	14°52	27°50	18°51	2°48	8°18	5°32	12°23	25°30	21°10	22°22	15°48	n.a.	F 20
S 21	17 32 50	22°27'19	25°30	14°22	27°39	19°31	3° 1	8°24	5°34	12°21	25°29	21°R10	22°19	15°55	n.a.	S 21
S 22	17 36 46	23°24'33	9♎45	13°56	27°31	20°11	3°15	8°30	5°35	12°20	25°27	21° 9	22°16	16° 1	n.a.	S 22
M23	17 40 43	24°21'48	24°10	13°35	27°25	20°51	3°28	8°36	5°37	12°18	25°26	21° 7	22°13	16° 8	n.a.	M23
T 24	17 44 39	25°19'04	8♏40	13°18	27°21	21°31	3°41	8°42	5°39	12°17	25°25	21° 4	22°10	16°15	n.a.	T 24
W25	17 48 36	26°16'20	23°10	13° 6	27°D20	22°10	3°54	8°48	5°41	12°15	25°23	21° 1	22° 6	16°21	n.a.	W25
T 26	17 52 33	27°13'37	7♐34	13° 0	27°21	22°50	4° 7	8°54	5°43	12°13	25°22	20°57	22° 3	16°28	n.a.	T 26
F 27	17 56 29	28°10'55	21°48	13°D 0	27°24	23°30	4°20	9° 1	5°45	12°12	25°21	20°55	22° 0	16°35	n.a.	F 27
S 28	18 0 26	29° 8'14	5♑45	13° 6	27°30	24°10	4°33	9° 7	5°47	12°10	25°20	20°53	21°57	16°42	n.a.	S 28
S 29	18 4 22	0♋ 5'34	19°23	13°19	27°37	24°49	4°46	9°13	5°49	12° 9	25°18	20°D52	21°54	16°48	n.a.	S 29
M30	18 8 19	1♋ 2'54	2♒39	13♊37	27♉47	25♉29	4♊59	9♌20	5♍51	12♉ 7	25♏17	20♉53	21♉51	16♈55	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 7	24s12	0s56	22n10	1s25	20n44	1s 4	13n26	0s16	19n44	0s22	20n23	1n35	10n28	0n47	23s 1	0n 7	13s 7	6n34	21s58	21s42	10n 7		n.a.
M 2	21 17	21 13	0n16	21 55	1 40	20 24	1 18	13 40	0 15	19 47	0 22	20 22	1 35	10 27	0 47	23 1	0 7	13 6	6 34	21 58	21 42	10 10		n.a.
T 3	21 28	17 15	1 24	21 39	1 56	20 3	1 32	13 55	0 15	19 50	0 22	20 21	1 35	10 27	0 46	23 1	0 7	13 6	6 34	21 58	21 43	10 13		n.a.
W 4	21 38	12 37	2 27	21 23	2 11	19 43	1 46	14 9	0 14	19 53	0 22	20 20	1 35	10 27	0 46	23 1	0 7	13 6	6 34	21 57	21 44	10 16		n.a.
T 5	21 48	7 35	3 22	21 7	2 27	19 23	1 59	14 23	0 13	19 56	0 22	20 18	1 35	10 26	0 46	23 1	0 7	13 6	6 34	21 57	21 44	10 18		n.a.
F 6	21 57	2 22	4 6	20 51	2 42	19 3	2 12	14 36	0 13	19 59	0 22	20 17	1 35	10 26	0 46	23 1	0 7	13 6	6 34	21 57	21 45	10 21		n.a.
S 7	22 6	2n51	4 40	20 35	2 57	18 44	2 25	14 50	0 12	20 2	0 22	20 16	1 35	10 26	0 46	23 2	0 7	13 5	6 33	21 58	21 45	10 24		n.a.
S 8	22 15	7 57	5 1	20 20	3 11	18 24	2 38	15 4	0 11	20 5	0 22	20 14	1 35	10 25	0 46	23 2	0 7	13 5	6 33	21 58	21 46	10 27		n.a.
M 9	22 23	12 46	5 9	20 4	3 25	18 6	2 50	15 17	0 11	20 8	0 22	20 13	1 35	10 25	0 46	23 2	0 7	13 5	6 33	21 59	21 46	10 30		n.a.
T 10	22 31	17 8	5 4	19 49	3 38	17 48	3 2	15 30	0 10	20 11	0 21	20 11	1 35	10 24	0 46	23 2	0 7	13 5	6 33	22 0	21 47	10 32		n.a.
W11	22 39	20 51	4 45	19 35	3 50	17 30	3 13	15 44	0 10	20 14	0 21	20 10	1 35	10 24	0 46	23 2	0 7	13 5	6 33	22 1	21 47	10 35		n.a.
T 12	22 46	23 43	4 14	19 21	4 1	17 13	3 24	15 57	0 9	20 17	0 21	20 9	1 35	10 23	0 46	23 2	0 7	13 4	6 33	22 2	21 48	10 38		n.a.
F 13	22 53	25 31	3 29	19 9	4 11	16 57	3 35	16 10	0 8	20 20	0 21	20 7	1 35	10 23	0 46	23 2	0 7	13 4	6 32	22 3	21 48	10 41		n.a.
S 14	22 59	26 2	2 34	18 57	4 19	16 42	3 44	16 22	0 8	20 23	0 21	20 6	1 34	10 22	0 46	23 3	0 7	13 4	6 32	22 4	21 49	10 43		n.a.
S 15	23 5	25 11	1 30	18 47	4 26	16 28	3 54	16 35	0 7	20 26	0 21	20 4	1 34	10 22	0 46	23 3	0 7	13 4	6 32	22 4	21 49	10 46		n.a.
M16	23 10	22 58	0 21	18 38	4 32	16 15	4 2	16 47	0 6	20 28	0 21	20 3	1 34	10 21	0 46	23 3	0 7	13 4	6 32	22 4	21 50	10 49		n.a.
T 17	23 16	19 29	0s51	18 30	4 36	16 2	4 11	17 0	0 6	20 31	0 21	20 1	1 34	10 21	0 46	23 3	0 7	13 4	6 32	22 4	21 51	10 52		n.a.
W18	23 20	14 56	2 2	18 24	4 38	15 51	4 18	17 12	0 5	20 34	0 21	20 0	1 34	10 20	0 46	23 3	0 7	13 4	6 32	22 4	21 51	10 54		n.a.
T 19	23 25	9 34	3 6	18 20	4 38	15 41	4 25	17 24	0 4	20 37	0 21	19 58	1 34	10 19	0 46	23 3	0 7	13 3	6 31	22 4	21 52	10 57		n.a.
F 20	23 29	3 40	4 1	18 18	4 37	15 31	4 32	17 36	0 4	20 39	0 21	19 56	1 34	10 19	0 46	23 3	0 7	13 3	6 31	22 4	21 52	11 0		n.a.
S 21	23 32	2s30	4 42	18 17	4 34	15 23	4 38	17 48	0 3	20 42	0 20	19 55	1 34	10 18	0 46	23 4	0 7	13 3	6 31	22 4	21 53	11 3		n.a.
S 22	23 35	8 36	5 7	18 18	4 30	15 16	4 43	17 59	0 2	20 45	0 20	19 53	1 34	10 17	0 46	23 4	0 7	13 3	6 31	22 4	21 53	11 5		n.a.
M23	23 38	14 19	5 13	18 21	4 24	15 10	4 48	18 11	0 2	20 47	0 20	19 51	1 34	10 17	0 46	23 4	0 7	13 3	6 31	22 4	21 54	11 8		n.a.
T 24	23 40	19 17	4 59	18 27	4 17	15 5	4 52	18 22	0 1	20 50	0 20	19 50	1 34	10 16	0 46	23 4	0 7	13 3	6 30	22 5	21 54	11 11		n.a.
W25	23 42	23 5	4 26	18 34	4 9	15 1	4 56	18 33	0 0	20 53	0 20	19 48	1 34	10 15	0 46	23 4	0 7	13 3	6 30	22 5	21 55	11 13		n.a.
T 26	23 43	25 24	3 36	18 42	3 59	14 58	5 0	18 44	0n 1	20 55	0 20	19 46	1 34	10 14	0 45	23 4	0 7	13 3	6 30	22 6	21 55	11 16		n.a.
F 27	23 44	26 2	2 33	18 53	3 48	14 55	5 3	18 55	0 1	20 58	0 20	19 45	1 34	10 14	0 45	23 5	0 7	13 3	6 30	22 6	21 56	11 19		n.a.
S 28	23 45	25 0	1 22	19 5	3 36	14 54	5 5	19 5	0 2	21 0	0 20	19 43	1 34	10 13	0 45	23 5	0 7	13 3	6 29	22 6	21 56	11 22		n.a.
S 29	23 45	22 28	0 8	19 19	3 24	14 54	5 7	19 16	0 3	21 3	0 20	19 41	1 34	10 12	0 45	23 5	0 7	13 2	6 29	22 6	21 57	11 24		n.a.
M30	23n45	18s47	1n 4	19n35	3s11	14n54	5s 9	19n26	0n 3	21n 5	0s20	19n40	1n34	10n11	0n45	23s 5	0n 7	13s 2	6n29	22s 6	21s57	11n27		n.a.

Julian Day Number = 1551002.5, Delta T = 04h30m51s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'59, Lahiri = -10°23'59 Julian Calendar 1 June 467 BCE == Greg. Calendar 27 May 467 BCE

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

JULY 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 12 15	2♋ 0'16	15♒34	14♊ 2	27♉59	26♉ 9	5♊12	9♌26	5♍53	12°R 6	25°R16	20♑54	21♑47	17♈ 2	n.a.	T 1
W 2	18 16 12	2°57'39	28°10	14°33	28°13	26°48	5°24	9°32	5°55	12♑ 4	25♏15	20°55	21°44	17° 8	n.a.	W 2
T 3	18 20 9	3°55'04	10♓28	15°11	28°29	27°27	5°37	9°39	5°57	12° 2	25°14	20°57	21°41	17°15	n.a.	T 3
F 4	18 24 5	4°52'30	22°34	15°55	28°47	28° 7	5°50	9°45	5°59	12° 1	25°13	20°58	21°38	17°22	n.a.	F 4
S 5	18 28 2	5°49'57	4♈32	16°45	29° 7	28°46	6° 2	9°52	6° 2	11°59	25°12	20°R58	21°35	17°29	n.a.	S 5
S 6	18 31 58	6°47'26	16°25	17°42	29°28	29°25	6°15	9°59	6° 4	11°57	25°11	20°58	21°31	17°35	n.a.	S 6
M 7	18 35 55	7°44'56	28°19	18°44	29°51	0♊ 5	6°28	10° 5	6° 6	11°56	25° 9	20°57	21°28	17°42	n.a.	M 7
T 8	18 39 51	8°42'27	10♉19	19°52	0♊16	0°44	6°40	10°12	6° 9	11°54	25° 8	20°56	21°25	17°49	n.a.	T 8
W 9	18 43 48	9°40'01	22°27	21° 6	0°43	1°23	6°52	10°19	6°11	11°53	25° 7	20°54	21°22	17°56	n.a.	W 9
T 10	18 47 44	10°37'35	4♊47	22°25	1°11	2° 2	7° 5	10°25	6°14	11°51	25° 6	20°53	21°19	18° 2	n.a.	T 10
F 11	18 51 41	11°35'12	17°22	23°50	1°41	2°41	7°17	10°32	6°16	11°49	25° 6	20°51	21°16	18° 9	n.a.	F 11
S 12	18 55 38	12°32'50	0♋13	25°19	2°12	3°20	7°29	10°39	6°19	11°48	25° 5	20°50	21°12	18°16	n.a.	S 12
S 13	18 59 34	13°30'29	13°20	26°53	2°44	3°59	7°42	10°46	6°21	11°46	25° 4	20°50	21° 9	18°22	n.a.	S 13
M14	19 3 31	14°28'09	26°43	28°31	3°18	4°38	7°54	10°53	6°24	11°44	25° 3	20°D50	21° 6	18°29	n.a.	M14
T 15	19 7 27	15°25'51	10♌21	0♋13	3°53	5°16	8° 6	11° 0	6°27	11°43	25° 2	20°50	21° 3	18°36	n.a.	T 15
W16	19 11 24	16°23'35	24°11	1°59	4°30	5°55	8°18	11° 7	6°30	11°41	25° 1	20°51	21° 0	18°43	n.a.	W16
T 17	19 15 20	17°21'19	8♍11	3°48	5° 7	6°34	8°30	11°14	6°32	11°39	25° 0	20°51	20°57	18°49	n.a.	T 17
F 18	19 19 17	18°19'05	22°19	5°39	5°46	7°12	8°42	11°21	6°35	11°38	25° 0	20°51	20°53	18°56	n.a.	F 18
S 19	19 23 13	19°16'52	6♎31	7°33	6°26	7°51	8°54	11°28	6°38	11°36	24°59	20°51	20°50	19° 3	n.a.	S 19
S 20	19 27 10	20°14'40	20°46	9°28	7° 6	8°29	9° 5	11°35	6°41	11°35	24°58	20°51	20°47	19°10	n.a.	S 20
M21	19 31 7	21°12'29	4♏59	11°25	7°48	9° 7	9°17	11°42	6°44	11°33	24°57	20°51	20°44	19°16	n.a.	M21
T 22	19 35 3	22°10'20	19°10	13°24	8°31	9°46	9°29	11°49	6°47	11°31	24°57	20°52	20°41	19°23	n.a.	T 22
W23	19 39 0	23° 8'13	3♐15	15°23	9°15	10°24	9°40	11°56	6°50	11°30	24°56	20°52	20°37	19°30	n.a.	W23
T 24	19 42 56	24° 6'06	17°11	17°22	10° 0	11° 2	9°52	12° 3	6°53	11°28	24°56	20°52	20°34	19°36	n.a.	T 24
F 25	19 46 53	25° 4'02	0♑57	19°22	10°46	11°40	10° 3	12°11	6°56	11°27	24°55	20°52	20°31	19°43	n.a.	F 25
S 26	19 50 49	26° 1'58	14°30	21°21	11°32	12°18	10°14	12°18	6°59	11°25	24°54	20°R52	20°28	19°50	n.a.	S 26
S 27	19 54 46	26°59'57	27°48	23°20	12°19	12°56	10°26	12°25	7° 2	11°24	24°54	20°52	20°25	19°57	n.a.	S 27
M28	19 58 42	27°57'57	10♒50	25°19	13° 8	13°34	10°37	12°32	7° 5	11°22	24°53	20°52	20°22	20° 3	n.a.	M28
T 29	20 2 39	28°55'59	23°36	27°17	13°57	14°12	10°48	12°40	7° 8	11°20	24°53	20°51	20°18	20°10	n.a.	T 29
W30	20 6 36	29°54'03	6♓ 7	29°14	14°46	14°50	10°59	12°47	7°11	11°19	24°52	20°50	20°15	20°17	n.a.	W30
T 31	20 10 32	0♌52'08	18♓24	1♌11	15♊37	15♊28	11♊10	12♌54	7♍15	11♑17	24♏52	20♑49	20♑12	20♈24	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n44	14s17	2n12	19n51	2s57	14n56	5s10	19n36	0n 4	21n 7	0s20	19n38	1n34	10n10	0n45	23s 5	0n 7	13s 2	6n29	22s 6	21s58	11n30		n.a.	T 1
W 2	23 43	9 17	3 11	20 9	2 43	14 58	5 11	19 46	0 5	21 10	0 20	19 36	1 34	10 10	0 45	23 5	0 7	13 2	6 29	22 6	21 58	11 32		n.a.	W 2
T 3	23 42	4 2	4 0	20 28	2 28	15 1	5 12	19 56	0 5	21 12	0 20	19 34	1 34	10 9	0 45	23 5	0 6	13 2	6 28	22 6	21 59	11 35		n.a.	T 3
F 4	23 40	1n16	4 38	20 47	2 13	15 4	5 12	20 6	0 6	21 14	0 19	19 32	1 34	10 8	0 45	23 6	0 6	13 2	6 28	22 6	21 59	11 38		n.a.	F 4
S 5	23 37	6 27	5 3	21 8	1 58	15 8	5 12	20 15	0 7	21 17	0 19	19 31	1 34	10 7	0 45	23 6	0 6	13 2	6 28	22 6	22 0	11 41		n.a.	S 5
S 6	23 35	11 22	5 15	21 28	1 43	15 13	5 12	20 25	0 7	21 19	0 19	19 29	1 34	10 6	0 45	23 6	0 6	13 2	6 28	22 6	22 0	11 43		n.a.	S 6
M 7	23 31	15 53	5 13	21 49	1 28	15 19	5 11	20 34	0 8	21 21	0 19	19 27	1 34	10 5	0 45	23 6	0 6	13 2	6 27	22 6	22 1	11 46		n.a.	M 7
T 8	23 28	19 48	4 58	22 9	1 13	15 25	5 11	20 43	0 9	21 24	0 19	19 25	1 34	10 4	0 45	23 6	0 6	13 2	6 27	22 6	22 1	11 49		n.a.	T 8
W 9	23 24	22 57	4 29	22 29	0 58	15 31	5 9	20 52	0 10	21 26	0 19	19 23	1 34	10 3	0 45	23 6	0 6	13 2	6 27	22 6	22 2	11 51		n.a.	W 9
T 10	23 19	25 6	3 48	22 49	0 43	15 38	5 8	21 0	0 10	21 28	0 19	19 21	1 34	10 2	0 45	23 7	0 6	13 2	6 27	22 6	22 2	11 54		n.a.	T 10
F 11	23 14	26 3	2 55	23 7	0 29	15 46	5 6	21 9	0 11	21 30	0 19	19 20	1 34	10 1	0 45	23 7	0 6	13 2	6 26	22 7	22 3	11 57		n.a.	F 11
S 12	23 9	25 37	1 52	23 25	0 15	15 54	5 5	21 17	0 12	21 32	0 19	19 18	1 34	10 0	0 45	23 7	0 6	13 2	6 26	22 7	22 3	11 59		n.a.	S 12
S 13	23 3	23 46	0 41	23 41	0 2	16 2	5 3	21 25	0 12	21 34	0 19	19 16	1 34	9 59	0 45	23 7	0 6	13 2	6 26	22 7	22 4	12 2		n.a.	S 13
M14	22 57	20 33	0s33	23 55	0n11	16 11	5 0	21 33	0 13	21 36	0 19	19 14	1 34	9 58	0 45	23 7	0 6	13 2	6 26	22 7	22 4	12 5		n.a.	M14
T 15	22 51	16 11	1 46	24 8	0 23	16 20	4 58	21 41	0 14	21 38	0 19	19 12	1 34	9 57	0 45	23 7	0 6	13 2	6 25	22 7	22 5	12 7		n.a.	T 15
W16	22 44	10 54	2 54	24 18	0 34	16 29	4 55	21 49	0 15	21 40	0 18	19 10	1 34	9 56	0 45	23 8	0 6	13 3	6 25	22 7	22 5	12 10		n.a.	W16
T 17	22 37	5 0	3 53	24 26	0 45	16 38	4 52	21 56	0 15	21 42	0 18	19 8	1 34	9 55	0 45	23 8	0 6	13 3	6 25	22 7	22 6	12 12		n.a.	T 17
F 18	22 29	1s10	4 39	24 32	0 54	16 48	4 50	22 4	0 16	21 44	0 18	19 6	1 34	9 54	0 45	23 8	0 6	13 3	6 24	22 7	22 6	12 15		n.a.	F 18
S 19	22 21	7 19	5 7	24 35	1 3	16 58	4 46	22 11	0 17	21 46	0 18	19 4	1 34	9 53	0 45	23 8	0 6	13 3	6 24	22 7	22 7	12 18		n.a.	S 19
S 20	22 12	13 5	5 17	24 36	1 11	17 8	4 43	22 18	0 18	21 48	0 18	19 2	1 34	9 52	0 45	23 8	0 6	13 3	6 24	22 7	22 7	12 20		n.a.	S 20
M21	22 3	18 10	5 7	24 34	1 19	17 18	4 40	22 25	0 18	21 50	0 18	19 0	1 34	9 51	0 45	23 8	0 6	13 3	6 24	22 7	22 8	12 23		n.a.	M21
T 22	21 54	22 12	4 39	24 29	1 25	17 28	4 36	22 31	0 19	21 52	0 18	18 58	1 34	9 50	0 45	23 8	0 6	13 3	6 23	22 7	22 8	12 26		n.a.	T 22
W23	21 44	24 54	3 54	24 21	1 31	17 38	4 33	22 38	0 20	21 54	0 18	18 56	1 34	9 48	0 45	23 9	0 6	13 3	6 23	22 7	22 9	12 28		n.a.	W23
T 24	21 34	26 3	2 56	24 11	1 35	17 49	4 29	22 44	0 20	21 56	0 18	18 54	1 34	9 47	0 45	23 9	0 6	13 3	6 23	22 7	22 9	12 31		n.a.	T 24
F 25	21 24	25 33	1 48	23 58	1 39	17 59	4 25	22 50	0 21	21 57	0 18	18 52	1 34	9 46	0 45	23 9	0 6	13 3	6 23	22 6	22 10	12 34		n.a.	F 25
S 26	21 13	23 32	0 35	23 43	1 42	18 9	4 21	22 56	0 22	21 59	0 18	18 50	1 34	9 45	0 45	23 9	0 6	13 4	6 22	22 6	22 10	12 36		n.a.	S 26
S 27	21 2	20 15	0n38	23 25	1 45	18 20	4 17	23 1	0 23	22 1	0 18	18 48	1 34	9 44	0 44	23 9	0 6	13 4	6 22	22 6	22 11	12 39		n.a.	S 27
M28	20 50	16 0	1 48	23 6	1 46	18 30	4 12	23 7	0 23	22 2	0 18	18 46	1 34	9 43	0 44	23 9	0 6	13 4	6 22	22 7	22 11	12 41		n.a.	M28
T 29	20 38	11 8	2 51	22 44	1 47	18 40	4 8	23 12	0 24	22 4	0 18	18 44	1 34	9 41	0 44	23 10	0 6	13 4	6 21	22 7	22 12	12 44		n.a.	T 29
W30	20 26	5 54	3 45	22 20	1 48	18 50	4 4	23 17	0 25	22 6	0 17	18 42	1 34	9 40	0 44	23 10	0 6	13 4	6 21	22 7	22 12	12 47		n.a.	W30
T 31	20n14	0s34	4n27	21n54	1n47	19n 0	3s59	23n22	0n26	22n 7	0s17	18n39	1n34	9n39	0n44	23s10	0n 6	13s 4	6n21	22s 7	22s13	12n49		n.a.	T 31

Julian Day Number = 1551032.5, Delta T = 04h30m50s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'55, Lahiri = -10°23'55 Julian Calendar 1 July 467 BCE == Greg. Calendar 26 June 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

AUGUST 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 14 29	1♌50'16	0♈29	3♌ 6	16♊28	16♊ 6	11♊21	13♌ 2	7♍18	11°R16	24°R52	20°R48	20♉ 9	20♈30	n.a.	F 1
S 2	20 18 25	2°48'26	12°26	5° 0	17°20	16°43	11°31	13° 9	7°21	11♉14	24♏51	20♉46	20° 6	20°37	n.a.	S 2
S 3	20 22 22	3°46'38	24°20	6°54	18°12	17°21	11°42	13°16	7°24	11°13	24°51	20°46	20° 3	20°44	n.a.	S 3
M 4	20 26 18	4°44'52	6♉13	8°46	19° 5	17°58	11°53	13°24	7°28	11°11	24°51	20°D45	19°59	20°50	n.a.	M 4
T 5	20 30 15	5°43'08	18°12	10°37	19°59	18°36	12° 3	13°31	7°31	11°10	24°50	20°46	19°56	20°57	n.a.	T 5
W 6	20 34 11	6°41'26	0♊20	12°27	20°53	19°13	12°13	13°38	7°34	11° 9	24°50	20°47	19°53	21° 4	n.a.	W 6
T 7	20 38 8	7°39'47	12°43	14°16	21°48	19°51	12°24	13°46	7°38	11° 7	24°50	20°48	19°50	21°11	n.a.	T 7
F 8	20 42 5	8°38'10	25°22	16° 4	22°44	20°28	12°34	13°53	7°41	11° 6	24°50	20°49	19°47	21°17	n.a.	F 8
S 9	20 46 1	9°36'35	8♋23	17°50	23°40	21° 5	12°44	14° 1	7°45	11° 4	24°50	20°51	19°43	21°24	n.a.	S 9
S 10	20 49 58	10°35'02	21°45	19°36	24°36	21°42	12°54	14° 8	7°48	11° 3	24°50	20°R51	19°40	21°31	n.a.	S 10
M11	20 53 54	11°33'31	5♌29	21°20	25°33	22°19	13° 4	14°15	7°52	11° 2	24°50	20°50	19°37	21°37	n.a.	M11
T 12	20 57 51	12°32'02	19°32	23° 3	26°31	22°57	13°13	14°23	7°55	11° 0	24°50	20°49	19°34	21°44	n.a.	T 12
W13	21 1 47	13°30'36	3♍50	24°45	27°29	23°33	13°23	14°30	7°59	10°59	24°D50	20°46	19°31	21°51	n.a.	W13
T 14	21 5 44	14°29'11	18°19	26°26	28°27	24°10	13°33	14°38	8° 2	10°58	24°50	20°43	19°28	21°58	n.a.	T 14
F 15	21 9 40	15°27'47	2♎51	28° 6	29°26	24°47	13°42	14°45	8° 6	10°56	24°50	20°40	19°24	22° 4	n.a.	F 15
S 16	21 13 37	16°26'26	17°22	29°45	0♋25	25°24	13°51	14°53	8° 9	10°55	24°50	20°37	19°21	22°11	n.a.	S 16
S 17	21 17 33	17°25'06	1♏46	1♍23	1°25	26° 1	14° 1	15° 0	8°13	10°54	24°50	20°35	19°18	22°18	n.a.	S 17
M18	21 21 30	18°23'49	15°59	2°59	2°25	26°37	14°10	15° 7	8°17	10°53	24°50	20°D34	19°15	22°25	n.a.	M18
T 19	21 25 27	19°22'33	0♐ 0	4°35	3°26	27°14	14°19	15°15	8°20	10°51	24°50	20°34	19°12	22°31	n.a.	T 19
W20	21 29 23	20°21'19	13°48	6°10	4°26	27°50	14°27	15°22	8°24	10°50	24°50	20°35	19° 8	22°38	n.a.	W20
T 21	21 33 20	21°20'07	27°22	7°44	5°28	28°27	14°36	15°30	8°28	10°49	24°51	20°37	19° 5	22°45	n.a.	T 21
F 22	21 37 16	22°18'56	10♑42	9°17	6°29	29° 3	14°45	15°37	8°31	10°48	24°51	20°38	19° 2	22°51	n.a.	F 22
S 23	21 41 13	23°17'48	23°50	10°48	7°31	29°39	14°53	15°45	8°35	10°47	24°51	20°R39	18°59	22°58	n.a.	S 23
S 24	21 45 9	24°16'41	6♒46	12°19	8°33	0♋15	15° 2	15°52	8°39	10°46	24°52	20°37	18°56	23° 5	n.a.	S 24
M25	21 49 6	25°15'37	19°29	13°49	9°36	0°51	15°10	15°59	8°42	10°45	24°52	20°35	18°53	23°12	n.a.	M25
T 26	21 53 2	26°14'34	2♓ 1	15°18	10°39	1°27	15°18	16° 7	8°46	10°44	24°52	20°30	18°49	23°18	n.a.	T 26
W27	21 56 59	27°13'34	14°22	16°46	11°42	2° 3	15°26	16°14	8°50	10°43	24°53	20°24	18°46	23°25	n.a.	W27
T 28	22 0 56	28°12'36	26°33	18°13	12°46	2°39	15°34	16°21	8°54	10°42	24°53	20°17	18°43	23°32	n.a.	T 28
F 29	22 4 52	29°11'40	8♈35	19°39	13°50	3°15	15°41	16°29	8°57	10°41	24°54	20°10	18°40	23°39	n.a.	F 29
S 30	22 8 49	0♍10'46	20°31	21° 4	14°54	3°51	15°49	16°36	9° 1	10°40	24°54	20° 3	18°37	23°45	n.a.	S 30
S 31	22 12 45	1♍ 9'55	2♉23	22♍28	15♋59	4♋26	15♊56	16♌43	9♍ 5	10♉39	24♏55	19♉58	18♉34	23♈52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n 1	4n43	4n56	21n26	1n46	19n10	3s55	23n27	0n27	22n 9	0s17	18n37	1n34	9n38	0n44	23s10	0n 6	13s 5	6n20	22s 7	22s13	12n52		n.a.
S 2	19 47	9 46	5 13	20 57	1 45	19 19	3 50	23 32	0 27	22 10	0 17	18 35	1 34	9 36	0 44	23 10	0 6	13 5	6 20	22 7	22 14	12 54		n.a.
S 3	19 34	14 25	5 15	20 27	1 43	19 29	3 46	23 36	0 28	22 12	0 17	18 33	1 34	9 35	0 44	23 10	0 6	13 5	6 20	22 8	22 14	12 57		n.a.
M 4	19 20	18 33	5 5	19 55	1 40	19 38	3 41	23 41	0 29	22 14	0 17	18 31	1 34	9 34	0 44	23 10	0 6	13 5	6 20	22 8	22 15	12 59		n.a.
T 5	19 5	21 57	4 41	19 22	1 37	19 47	3 36	23 45	0 30	22 15	0 17	18 29	1 34	9 33	0 44	23 11	0 6	13 6	6 19	22 7	22 15	13 2		n.a.
W 6	18 51	24 27	4 4	18 47	1 34	19 55	3 31	23 49	0 30	22 16	0 17	18 27	1 34	9 31	0 44	23 11	0 6	13 6	6 19	22 7	22 15	13 5		n.a.
T 7	18 36	25 51	3 15	18 12	1 30	20 4	3 26	23 53	0 31	22 18	0 17	18 25	1 34	9 30	0 44	23 11	0 6	13 6	6 19	22 7	22 16	13 7		n.a.
F 8	18 20	25 56	2 16	17 36	1 26	20 12	3 21	23 56	0 32	22 19	0 17	18 23	1 34	9 29	0 44	23 11	0 6	13 6	6 18	22 7	22 16	13 10		n.a.
S 9	18 5	24 37	1 8	16 59	1 21	20 20	3 16	24 0	0 33	22 21	0 17	18 20	1 34	9 27	0 44	23 11	0 6	13 7	6 18	22 7	22 17	13 12		n.a.
S 10	17 49	21 53	0s 5	16 21	1 17	20 27	3 11	24 3	0 33	22 22	0 17	18 18	1 34	9 26	0 44	23 11	0 6	13 7	6 18	22 7	22 17	13 15		n.a.
M11	17 32	17 52	1 20	15 42	1 11	20 34	3 6	24 6	0 34	22 23	0 17	18 16	1 34	9 25	0 44	23 11	0 6	13 7	6 18	22 7	22 18	13 17		n.a.
T 12	17 16	12 46	2 31	15 3	1 6	20 41	3 1	24 9	0 35	22 25	0 16	18 14	1 34	9 23	0 44	23 11	0 6	13 7	6 17	22 7	22 18	13 20		n.a.
W13	16 59	6 54	3 35	14 23	1 0	20 48	2 56	24 11	0 36	22 26	0 16	18 12	1 34	9 22	0 44	23 12	0 6	13 8	6 17	22 7	22 19	13 22		n.a.
T 14	16 42	0 37	4 25	13 43	0 54	20 54	2 51	24 14	0 37	22 27	0 16	18 10	1 35	9 21	0 44	23 12	0 6	13 8	6 17	22 8	22 19	13 25		n.a.
F 15	16 25	5s42	4 59	13 3	0 48	20 59	2 46	24 16	0 37	22 28	0 16	18 8	1 35	9 19	0 44	23 12	0 6	13 8	6 16	22 8	22 20	13 28		n.a.
S 16	16 7	11 42	5 13	12 22	0 42	21 4	2 41	24 19	0 38	22 30	0 16	18 5	1 35	9 18	0 44	23 12	0 6	13 9	6 16	22 9	22 20	13 30		n.a.
S 17	15 49	17 2	5 7	11 41	0 36	21 9	2 35	24 21	0 39	22 31	0 16	18 3	1 35	9 17	0 44	23 12	0 6	13 9	6 16	22 9	22 21	13 33		n.a.
M18	15 31	21 21	4 43	10 59	0 29	21 14	2 30	24 22	0 40	22 32	0 16	18 1	1 35	9 15	0 44	23 12	0 6	13 9	6 15	22 9	22 21	13 35		n.a.
T 19	15 12	24 22	4 2	10 18	0 22	21 17	2 25	24 24	0 41	22 33	0 16	17 59	1 35	9 14	0 44	23 12	0 6	13 10	6 15	22 9	22 21	13 38		n.a.
W20	14 53	25 52	3 8	9 36	0 15	21 21	2 20	24 26	0 42	22 34	0 16	17 57	1 35	9 12	0 44	23 12	0 6	13 10	6 15	22 9	22 22	13 40		n.a.
T 21	14 34	25 47	2 4	8 54	0 8	21 24	2 15	24 27	0 42	22 35	0 16	17 55	1 35	9 11	0 44	23 13	0 6	13 10	6 14	22 9	22 22	13 43		n.a.
F 22	14 15	24 13	0 54	8 12	0 1	21 26	2 9	24 28	0 43	22 36	0 16	17 52	1 35	9 10	0 44	23 13	0 6	13 11	6 14	22 9	22 23	13 45		n.a.
S 23	13 56	21 20	0n17	7 31	0s 6	21 28	2 4	24 29	0 44	22 37	0 16	17 50	1 35	9 8	0 44	23 13	0 6	13 11	6 14	22 9	22 23	13 48		n.a.
S 24	13 36	17 26	1 27	6 49	0 14	21 30	1 59	24 30	0 45	22 38	0 16	17 48	1 35	9 7	0 44	23 13	0 6	13 11	6 14	22 9	22 24	13 50		n.a.
M25	13 16	12 47	2 31	6 7	0 21	21 31	1 54	24 31	0 46	22 39	0 16	17 46	1 35	9 5	0 44	23 13	0 6	13 12	6 13	22 9	22 24	13 53		n.a.
T 26	12 56	7 41	3 26	5 26	0 29	21 31	1 49	24 31	0 46	22 40	0 15	17 44	1 35	9 4	0 44	23 13	0 6	13 12	6 13	22 10	22 25	13 55		n.a.
W27	12 36	2 23	4 11	4 44	0 36	21 31	1 43	24 31	0 47	22 41	0 15	17 42	1 36	9 2	0 44	23 13	0 6	13 13	6 13	22 11	22 25	13 58		n.a.
T 28	12 15	2n56	4 43	4 3	0 44	21 30	1 38	24 32	0 48	22 42	0 15	17 40	1 36	9 1	0 44	23 13	0 6	13 13	6 12	22 12	22 26	14 0		n.a.
F 29	11 54	8 5	5 3	3 22	0 51	21 29	1 33	24 32	0 49	22 43	0 15	17 37	1 36	9 0	0 44	23 13	0 6	13 13	6 12	22 13	22 26	14 3		n.a.
S 30	11 33	12 52	5 9	2 41	0 59	21 27	1 28	24 32	0 50	22 44	0 15	17 35	1 36	8 58	0 44	23 13	0 6	13 14	6 12	22 14	22 26	14 5		n.a.
S 31	11n12	17n10	5n 2	2n 1	1s 6	21n25	1s23	24n31	0n51	22n45	0s15	17n33	1n36	8n57	0n44	23s14	0n 6	13s14	6n11	22s15	22s27	14n 8		n.a.

Julian Day Number = 1551063.5, Delta T = 04h30m49s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'51, Lahiri = -10°23'51 Julian Calendar 1 Aug. 467 BCE == Greg. Calendar 27 July 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

SEPTEMBER 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 16 42	2♍ 9'06	14♉15	23♍51	17♋ 3	5♋ 2	16♊ 4	16♌50	9♍ 9	10°R38	24♏56	19°R54	18♑30	23♈59	n.a.	M 1
T 2	22 20 38	3° 8'20	26°11	25°12	18° 8	5°37	16°11	16°58	9°12	10♑37	24°56	19♑52	18°27	24° 5	n.a.	T 2
W 3	22 24 35	4° 7'36	8♊16	26°33	19°14	6°13	16°18	17° 5	9°16	10°36	24°57	19°D52	18°24	24°12	n.a.	W 3
T 4	22 28 31	5° 6'55	20°35	27°52	20°19	6°48	16°25	17°12	9°20	10°36	24°57	19°53	18°21	24°19	n.a.	T 4
F 5	22 32 28	6° 6'16	3♋13	29°11	21°25	7°23	16°31	17°19	9°24	10°35	24°58	19°55	18°18	24°26	n.a.	F 5
S 6	22 36 25	7° 5'40	16°14	0♎28	22°31	7°58	16°38	17°26	9°28	10°34	24°59	19°R56	18°14	24°32	n.a.	S 6
S 7	22 40 21	8° 5'06	29°41	1°43	23°38	8°33	16°44	17°34	9°31	10°33	25° 0	19°55	18°11	24°39	n.a.	S 7
M 8	22 44 18	9° 4'34	13♌35	2°57	24°44	9° 8	16°51	17°41	9°35	10°33	25° 1	19°53	18° 8	24°46	n.a.	M 8
T 9	22 48 14	10° 4'04	27°55	4° 9	25°51	9°43	16°57	17°48	9°39	10°32	25° 1	19°48	18° 5	24°52	n.a.	T 9
W10	22 52 11	11° 3'37	12♍36	5°20	26°58	10°18	17° 3	17°55	9°43	10°31	25° 2	19°42	18° 2	24°59	n.a.	W10
T 11	22 56 7	12° 3'12	27°31	6°29	28° 5	10°53	17° 8	18° 2	9°47	10°31	25° 3	19°34	17°59	25° 6	n.a.	T 11
F 12	23 0 4	13° 2'48	12♎31	7°36	29°13	11°27	17°14	18° 9	9°50	10°30	25° 4	19°25	17°55	25°13	n.a.	F 12
S 13	23 4 0	14° 2'27	27°26	8°40	0♌20	12° 2	17°19	18°16	9°54	10°30	25° 5	19°17	17°52	25°19	n.a.	S 13
S 14	23 7 57	15° 2'08	12♏ 9	9°43	1°28	12°36	17°25	18°23	9°58	10°29	25° 6	19°11	17°49	25°26	n.a.	S 14
M15	23 11 53	16° 1'50	26°33	10°42	2°36	13°11	17°30	18°30	10° 2	10°29	25° 7	19° 7	17°46	25°33	n.a.	M15
T 16	23 15 50	17° 1'35	10♐37	11°39	3°44	13°45	17°35	18°36	10° 5	10°28	25° 8	19° 6	17°43	25°40	n.a.	T 16
W17	23 19 47	18° 1'21	24°19	12°33	4°53	14°19	17°39	18°43	10° 9	10°28	25° 9	19°D 6	17°40	25°46	n.a.	W17
T 18	23 23 43	19° 1'09	7♑41	13°23	6° 1	14°53	17°44	18°50	10°13	10°28	25°10	19° 6	17°36	25°53	n.a.	T 18
F 19	23 27 40	20° 0'59	20°45	14° 9	7°10	15°27	17°48	18°57	10°17	10°27	25°12	19°R 7	17°33	26° 0	n.a.	F 19
S 20	23 31 36	21° 0'51	3♒34	14°52	8°19	16° 1	17°53	19° 4	10°21	10°27	25°13	19° 6	17°30	26° 6	n.a.	S 20
S 21	23 35 33	22° 0'44	16°10	15°29	9°28	16°35	17°57	19°10	10°24	10°27	25°14	19° 2	17°27	26°13	n.a.	S 21
M22	23 39 29	23° 0'40	28°37	16° 1	10°38	17° 8	18° 1	19°17	10°28	10°27	25°15	18°56	17°24	26°20	n.a.	M22
T 23	23 43 26	24° 0'37	10♓54	16°28	11°47	17°42	18° 4	19°23	10°32	10°26	25°16	18°47	17°20	26°27	n.a.	T 23
W24	23 47 22	25° 0'36	23° 3	16°48	12°57	18°15	18° 8	19°30	10°35	10°26	25°18	18°36	17°17	26°33	n.a.	W24
T 25	23 51 19	26° 0'37	5♈ 6	17° 2	14° 7	18°48	18°11	19°36	10°39	10°26	25°19	18°24	17°14	26°40	n.a.	T 25
F 26	23 55 16	27° 0'40	17° 4	17°R 8	15°16	19°22	18°14	19°43	10°43	10°26	25°20	18°10	17°11	26°47	n.a.	F 26
S 27	23 59 12	28° 0'45	28°57	17° 6	16°27	19°55	18°17	19°49	10°47	10°26	25°22	17°58	17° 8	26°54	n.a.	S 27
S 28	0 3 9	29° 0'53	10♉48	16°56	17°37	20°28	18°20	19°55	10°50	10°D26	25°23	17°47	17° 5	27° 0	n.a.	S 28
M29	0 7 5	0♎ 1'02	22°39	16°36	18°47	21° 1	18°23	20° 2	10°54	10°26	25°24	17°38	17° 1	27° 7	n.a.	M29
T 30	0 11 2	1♎ 1'14	4♊34	16♎ 7	19♌58	21♋33	18♊25	20♌ 8	10♍57	10♑26	25♏26	17♑32	16♑58	27♈14	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n51	20n48	4n42	1n21	1s14	21n22	1s18	24n31	0n52	22n46	0s15	17n31	1n36	8n55	0n44	23s14	0n 6	13s15	6n11	22s15	22s27	14n10		n.a.
T 2	10 29	23 35	4 10	0 41	1 21	21 18	1 13	24 30	0 52	22 47	0 15	17 29	1 36	8 54	0 44	23 14	0 6	13 15	6 11	22 16	22 28	14 12		n.a.
W 3	10 7	25 21	3 26	0 2	1 29	21 14	1 8	24 30	0 53	22 47	0 15	17 27	1 36	8 52	0 44	23 14	0 6	13 16	6 11	22 16	22 28	14 15		n.a.
T 4	9 45	25 56	2 32	0s36	1 36	21 9	1 3	24 29	0 54	22 48	0 15	17 25	1 36	8 51	0 44	23 14	0 6	13 16	6 10	22 15	22 29	14 17		n.a.
F 5	9 23	25 12	1 29	1 15	1 43	21 4	0 58	24 28	0 55	22 49	0 15	17 22	1 36	8 50	0 44	23 14	0 6	13 16	6 10	22 15	22 29	14 20		n.a.
S 6	9 1	23 5	0 20	1 52	1 50	20 58	0 53	24 26	0 56	22 50	0 15	17 20	1 37	8 48	0 44	23 14	0 6	13 17	6 10	22 15	22 29	14 22		n.a.
S 7	8 39	19 38	0s52	2 29	1 57	20 52	0 48	24 25	0 57	22 50	0 15	17 18	1 37	8 47	0 44	23 14	0 6	13 17	6 9	22 15	22 30	14 25		n.a.
M 8	8 16	14 59	2 4	3 5	2 4	20 45	0 43	24 24	0 58	22 51	0 14	17 16	1 37	8 45	0 44	23 14	0 6	13 18	6 9	22 16	22 30	14 27		n.a.
T 9	7 54	9 23	3 10	3 40	2 11	20 37	0 39	24 22	0 59	22 52	0 14	17 14	1 37	8 44	0 44	23 14	0 6	13 18	6 9	22 16	22 31	14 30		n.a.
W10	7 31	3 10	4 4	4 15	2 17	20 29	0 34	24 20	0 59	22 53	0 14	17 12	1 37	8 42	0 44	23 14	0 6	13 19	6 9	22 17	22 31	14 32		n.a.
T 11	7 8	3s19	4 43	4 48	2 24	20 20	0 29	24 18	1 0	22 53	0 14	17 10	1 37	8 41	0 44	23 14	0 5	13 19	6 8	22 18	22 32	14 34		n.a.
F 12	6 45	9 39	5 3	5 20	2 30	20 11	0 25	24 16	1 1	22 54	0 14	17 8	1 37	8 39	0 44	23 14	0 5	13 20	6 8	22 20	22 32	14 37		n.a.
S 13	6 21	15 23	5 2	5 52	2 36	20 1	0 20	24 14	1 2	22 54	0 14	17 6	1 37	8 38	0 44	23 14	0 5	13 20	6 8	22 21	22 33	14 39		n.a.
S 14	5 58	20 8	4 42	6 21	2 41	19 50	0 16	24 12	1 3	22 55	0 14	17 4	1 38	8 36	0 44	23 14	0 5	13 21	6 7	22 22	22 33	14 42		n.a.
M15	5 35	23 34	4 3	6 50	2 46	19 39	0 11	24 9	1 4	22 56	0 14	17 2	1 38	8 35	0 44	23 15	0 5	13 21	6 7	22 22	22 33	14 44		n.a.
T 16	5 11	25 28	3 11	7 17	2 51	19 28	0 7	24 7	1 5	22 56	0 14	17 0	1 38	8 34	0 44	23 15	0 5	13 22	6 7	22 22	22 34	14 47		n.a.
W17	4 48	25 46	2 9	7 42	2 55	19 15	0 2	24 4	1 6	22 57	0 14	16 58	1 38	8 32	0 44	23 15	0 5	13 22	6 7	22 22	22 34	14 49		n.a.
T 18	4 24	24 32	1 1	8 6	2 59	19 3	0n 2	24 1	1 7	22 57	0 14	16 56	1 38	8 31	0 44	23 15	0 5	13 23	6 6	22 22	22 35	14 51		n.a.
F 19	4 0	21 59	0n 9	8 27	3 2	18 49	0 6	23 58	1 8	22 58	0 14	16 54	1 38	8 29	0 44	23 15	0 5	13 23	6 6	22 22	22 35	14 54		n.a.
S 20	3 36	18 22	1 16	8 46	3 5	18 35	0 10	23 55	1 9	22 58	0 13	16 52	1 38	8 28	0 44	23 15	0 5	13 24	6 6	22 22	22 35	14 56		n.a.
S 21	3 13	13 59	2 19	9 2	3 7	18 21	0 14	23 52	1 10	22 59	0 13	16 50	1 39	8 26	0 44	23 15	0 5	13 25	6 5	22 23	22 36	14 58		n.a.
M22	2 49	9 5	3 14	9 16	3 8	18 6	0 18	23 48	1 11	22 59	0 13	16 48	1 39	8 25	0 44	23 15	0 5	13 25	6 5	22 24	22 36	15 1		n.a.
T 23	2 25	3 54	3 59	9 27	3 8	17 50	0 22	23 45	1 12	22 59	0 13	16 46	1 39	8 24	0 44	23 15	0 5	13 26	6 5	22 25	22 37	15 3		n.a.
W24	2 0	1n22	4 32	9 34	3 8	17 34	0 26	23 41	1 13	23 0	0 13	16 44	1 39	8 22	0 44	23 15	0 5	13 26	6 5	22 26	22 37	15 6		n.a.
T 25	1 36	6 32	4 53	9 38	3 6	17 17	0 30	23 38	1 14	23 0	0 13	16 42	1 39	8 21	0 44	23 15	0 5	13 27	6 4	22 28	22 38	15 8		n.a.
F 26	1 12	11 25	5 1	9 37	3 3	17 0	0 34	23 34	1 15	23 1	0 13	16 40	1 39	8 19	0 44	23 15	0 5	13 27	6 4	22 30	22 38	15 10		n.a.
S 27	0 48	15 50	4 56	9 33	2 58	16 42	0 37	23 30	1 16	23 1	0 13	16 38	1 39	8 18	0 44	23 15	0 5	13 28	6 4	22 32	22 38	15 13		n.a.
S 28	0 24	19 39	4 38	9 23	2 53	16 24	0 41	23 26	1 17	23 1	0 13	16 36	1 40	8 16	0 44	23 15	0 5	13 29	6 4	22 33	22 39	15 15		n.a.
M29	0s 0	22 39	4 8	9 9	2 45	16 5	0 44	23 22	1 18	23 2	0 13	16 34	1 40	8 15	0 44	23 15	0 5	13 29	6 3	22 34	22 39	15 17		n.a.
T 30	0s25	24n43	3n26	8s49	2s36	15n46	0n48	23n18	1n19	23n 2	0s13	16n32	1n40	8n14	0n44	23s15	0n 5	13s30	6n 3	22s35	22s40	15n20		n.a.

Julian Day Number = 1551094.5, Delta T = 04h30m48s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'47, Lahiri = -10°23'46 Julian Calendar 1 Sept. 467 BCE == Greg. Calendar 27 Aug. 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

OCTOBER 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 14 58	2♎ 1'28	16♊36	15°R29	21♌ 9	22♋ 6	18♊27	20♌14	11♍ 1	10♑26	25♏27	17°R29	16♑55	27♈20	n.a.	W 1
T 2	0 18 55	3° 1'44	28°51	14♎41	22°19	22°38	18°29	20°20	11° 5	10°26	25°29	17°D28	16°52	27°27	n.a.	T 2
F 3	0 22 51	4° 2'02	11♋23	13°44	23°30	23°11	18°31	20°26	11° 8	10°26	25°30	17°R28	16°49	27°34	n.a.	F 3
S 4	0 26 48	5° 2'23	24°18	12°39	24°42	23°43	18°33	20°32	11°12	10°26	25°32	17♑28	16°45	27°41	n.a.	S 4
S 5	0 30 45	6° 2'45	7♌40	11°28	25°53	24°15	18°34	20°38	11°15	10°27	25°33	17°27	16°42	27°47	n.a.	S 5
M 6	0 34 41	7° 3'10	21°32	10°11	27° 4	24°47	18°36	20°44	11°19	10°27	25°35	17°23	16°39	27°54	n.a.	M 6
T 7	0 38 38	8° 3'36	5♍53	8°52	28°16	25°19	18°37	20°50	11°22	10°27	25°37	17°17	16°36	28° 1	n.a.	T 7
W 8	0 42 34	9° 4'05	20°41	7°33	29°27	25°51	18°38	20°56	11°26	10°27	25°38	17° 8	16°33	28° 7	n.a.	W 8
T 9	0 46 31	10° 4'35	5♎49	6°16	0♍39	26°22	18°38	21° 2	11°29	10°28	25°40	16°57	16°30	28°14	n.a.	T 9
F 10	0 50 27	11° 5'07	21° 7	5° 4	1°51	26°54	18°39	21° 7	11°33	10°28	25°42	16°45	16°26	28°21	n.a.	F 10
S 11	0 54 24	12° 5'41	6♏23	3°59	3° 3	27°25	18°39	21°13	11°36	10°29	25°43	16°34	16°23	28°28	n.a.	S 11
S 12	0 58 20	13° 6'16	21°26	3° 3	4°15	27°56	18°R39	21°18	11°40	10°29	25°45	16°25	16°20	28°34	n.a.	S 12
M13	1 2 17	14° 6'53	6♐ 8	2°17	5°27	28°27	18°39	21°24	11°43	10°30	25°47	16°19	16°17	28°41	n.a.	M13
T 14	1 6 13	15° 7'31	20°24	1°42	6°39	28°58	18°39	21°29	11°46	10°30	25°49	16°15	16°14	28°48	n.a.	T 14
W15	1 10 10	16° 8'11	4♑13	1°20	7°51	29°29	18°38	21°35	11°50	10°31	25°50	16°14	16°11	28°54	n.a.	W15
T 16	1 14 7	17° 8'52	17°35	1°D 9	9° 4	29°59	18°37	21°40	11°53	10°31	25°52	16°13	16° 7	29° 1	n.a.	T 16
F 17	1 18 3	18° 9'34	0♒35	1° 9	10°16	0♌30	18°36	21°45	11°56	10°32	25°54	16°13	16° 4	29° 8	n.a.	F 17
S 18	1 22 0	19°10'17	13°15	1°20	11°29	1° 0	18°35	21°50	11°59	10°33	25°56	16°12	16° 1	29°15	n.a.	S 18
S 19	1 25 56	20°11'01	25°41	1°41	12°42	1°30	18°34	21°55	12° 3	10°33	25°58	16° 8	15°58	29°21	n.a.	S 19
M20	1 29 53	21°11'47	7♓55	2°11	13°54	2° 0	18°32	22° 0	12° 6	10°34	26° 0	16° 1	15°55	29°28	n.a.	M20
T 21	1 33 49	22°12'34	20° 1	2°49	15° 7	2°29	18°31	22° 5	12° 9	10°35	26° 1	15°51	15°51	29°35	n.a.	T 21
W22	1 37 46	23°13'22	2♈ 1	3°35	16°20	2°59	18°29	22°10	12°12	10°35	26° 3	15°38	15°48	29°42	n.a.	W22
T 23	1 41 42	24°14'11	13°57	4°27	17°33	3°28	18°27	22°14	12°15	10°36	26° 5	15°24	15°45	29°48	n.a.	T 23
F 24	1 45 39	25°15'02	25°51	5°25	18°46	3°57	18°24	22°19	12°18	10°37	26° 7	15° 9	15°42	29°55	n.a.	F 24
S 25	1 49 36	26°15'54	7♉43	6°27	20° 0	4°26	18°22	22°24	12°21	10°38	26° 9	14°54	15°39	0♉ 2	n.a.	S 25
S 26	1 53 32	27°16'48	19°35	7°35	21°13	4°55	18°19	22°28	12°24	10°39	26°11	14°42	15°36	0° 8	n.a.	S 26
M27	1 57 29	28°17'42	1♊29	8°45	22°26	5°24	18°16	22°33	12°27	10°40	26°13	14°32	15°32	0°15	n.a.	M27
T 28	2 1 25	29°18'39	13°27	9°59	23°40	5°52	18°13	22°37	12°30	10°41	26°15	14°25	15°29	0°22	n.a.	T 28
W29	2 5 22	0♏19'36	25°31	11°16	24°53	6°21	18°10	22°41	12°33	10°42	26°17	14°21	15°26	0°29	n.a.	W29
T 30	2 9 18	1°20'35	7♋47	12°35	26° 7	6°49	18° 6	22°45	12°36	10°43	26°19	14°19	15°23	0°35	n.a.	T 30
F 31	2 13 15	2♏21'36	20♋17	13♎56	27♍20	7♌16	18♊ 3	22♌49	12♍39	10♑44	26♏21	14°D19	15♑20	0♉42	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	0s49	25n39	2n36	8s24	2s25	15n27	0n51	23n13	1n20	23n 2	0s12	16n31	1n40	8n12	0n44	23s15	0n 5	13s30	6n 3	22s36	22s40	15n22		n.a.
T 2	1 13	25 22	1 37	7 53	2 12	15 6	0 54	23 9	1 21	23 2	0 12	16 29	1 40	8 11	0 44	23 15	0 5	13 31	6 3	22 36	22 40	15 24		n.a.
F 3	1 37	23 47	0 32	7 17	1 57	14 46	0 57	23 4	1 22	23 3	0 12	16 27	1 40	8 10	0 44	23 15	0 5	13 31	6 2	22 36	22 41	15 27		n.a.
S 4	2 2	20 57	0s36	6 37	1 41	14 25	1 1	23 0	1 23	23 3	0 12	16 25	1 41	8 8	0 44	23 15	0 5	13 32	6 2	22 36	22 41	15 29		n.a.
S 5	2 26	16 54	1 45	5 52	1 23	14 3	1 4	22 55	1 24	23 3	0 12	16 23	1 41	8 7	0 44	23 15	0 5	13 33	6 2	22 36	22 42	15 31		n.a.
M 6	2 50	11 50	2 50	5 4	1 4	13 41	1 6	22 50	1 25	23 3	0 12	16 22	1 41	8 6	0 44	23 15	0 5	13 33	6 2	22 36	22 42	15 34		n.a.
T 7	3 14	5 58	3 46	4 14	0 44	13 19	1 9	22 46	1 26	23 4	0 12	16 20	1 41	8 4	0 44	23 15	0 5	13 34	6 1	22 37	22 42	15 36		n.a.
W 8	3 38	0s23	4 29	3 23	0 23	12 56	1 12	22 41	1 27	23 4	0 12	16 18	1 41	8 3	0 44	23 15	0 5	13 34	6 1	22 38	22 43	15 38		n.a.
T 9	4 2	6 50	4 54	2 33	0 2	12 33	1 15	22 36	1 28	23 4	0 12	16 17	1 42	8 2	0 44	23 15	0 5	13 35	6 1	22 40	22 43	15 41		n.a.
F 10	4 27	12 57	4 59	1 46	0n18	12 9	1 17	22 31	1 29	23 4	0 12	16 15	1 42	8 0	0 44	23 15	0 5	13 36	6 1	22 41	22 44	15 43		n.a.
S 11	4 50	18 15	4 43	1 2	0 37	11 45	1 20	22 25	1 30	23 4	0 11	16 13	1 42	7 59	0 44	23 15	0 5	13 36	6 0	22 43	22 44	15 45		n.a.
S 12	5 14	22 19	4 6	0 23	0 55	11 21	1 22	22 20	1 31	23 4	0 11	16 12	1 42	7 58	0 44	23 15	0 5	13 37	6 0	22 44	22 44	15 47		n.a.
M13	5 38	24 48	3 15	0n11	1 12	10 56	1 24	22 15	1 32	23 4	0 11	16 10	1 42	7 56	0 44	23 15	0 5	13 38	6 0	22 45	22 45	15 50		n.a.
T 14	6 2	25 35	2 12	0 38	1 27	10 31	1 27	22 10	1 34	23 4	0 11	16 8	1 43	7 55	0 44	23 15	0 5	13 38	6 0	22 45	22 45	15 52		n.a.
W15	6 26	24 44	1 3	1 0	1 40	10 6	1 29	22 4	1 35	23 5	0 11	16 7	1 43	7 54	0 44	23 15	0 5	13 39	5 59	22 45	22 45	15 54		n.a.
T 16	6 49	22 28	0n 7	1 14	1 51	9 40	1 31	21 59	1 36	23 5	0 11	16 5	1 43	7 53	0 44	23 15	0 5	13 39	5 59	22 45	22 46	15 57		n.a.
F 17	7 13	19 4	1 15	1 23	2 1	9 14	1 33	21 53	1 37	23 5	0 11	16 4	1 43	7 51	0 44	23 15	0 5	13 40	5 59	22 45	22 46	15 59		n.a.
S 18	7 36	14 52	2 18	1 25	2 8	8 48	1 34	21 48	1 38	23 5	0 11	16 2	1 43	7 50	0 44	23 15	0 5	13 41	5 59	22 45	22 47	16 1		n.a.
S 19	7 59	10 7	3 12	1 22	2 14	8 21	1 36	21 42	1 39	23 5	0 11	16 1	1 44	7 49	0 44	23 15	0 5	13 41	5 59	22 46	22 47	16 3		n.a.
M20	8 22	5 3	3 57	1 14	2 19	7 55	1 38	21 36	1 40	23 5	0 11	15 59	1 44	7 48	0 44	23 15	0 5	13 42	5 58	22 47	22 47	16 6		n.a.
T 21	8 45	0n 8	4 30	1 2	2 22	7 28	1 39	21 31	1 42	23 5	0 10	15 58	1 44	7 46	0 44	23 15	0 5	13 43	5 58	22 48	22 48	16 8		n.a.
W22	9 8	5 15	4 51	0 45	2 23	7 0	1 41	21 25	1 43	23 4	0 10	15 57	1 44	7 45	0 44	23 15	0 5	13 43	5 58	22 49	22 48	16 10		n.a.
T 23	9 31	10 9	4 59	0 24	2 24	6 33	1 42	21 19	1 44	23 4	0 10	15 55	1 44	7 44	0 44	23 15	0 5	13 44	5 58	22 51	22 49	16 12		n.a.
F 24	9 54	14 40	4 54	0 1	2 23	6 5	1 43	21 13	1 45	23 4	0 10	15 54	1 45	7 43	0 44	23 14	0 5	13 45	5 58	22 53	22 49	16 15		n.a.
S 25	10 16	18 37	4 37	0s26	2 22	5 37	1 45	21 7	1 46	23 4	0 10	15 53	1 45	7 42	0 44	23 14	0 5	13 45	5 57	22 54	22 49	16 17		n.a.
S 26	10 38	21 49	4 7	0 55	2 20	5 9	1 46	21 1	1 48	23 4	0 10	15 51	1 45	7 41	0 45	23 14	0 5	13 46	5 57	22 56	22 50	16 19		n.a.
M27	11 0	24 5	3 26	1 25	2 17	4 40	1 47	20 56	1 49	23 4	0 10	15 50	1 45	7 40	0 45	23 14	0 5	13 46	5 57	22 57	22 50	16 21		n.a.
T 28	11 22	25 17	2 36	1 58	2 13	4 12	1 48	20 50	1 50	23 4	0 10	15 49	1 46	7 38	0 45	23 14	0 5	13 47	5 57	22 58	22 50	16 23		n.a.
W29	11 44	25 18	1 38	2 32	2 9	3 43	1 48	20 44	1 51	23 4	0 10	15 48	1 46	7 37	0 45	23 14	0 5	13 48	5 57	22 58	22 51	16 26		n.a.
T 30	12 6	24 6	0 35	3 8	2 5	3 14	1 49	20 38	1 53	23 3	0 9	15 47	1 46	7 36	0 45	23 14	0 5	13 48	5 56	22 58	22 51	16 28		n.a.
F 31	12s27	21n41	0s32	3s44	2n 0	2n45	1n50	20n32	1n54	23n 3	0s 9	15n45	1n46	7n35	0n45	23s14	0n 5	13s49	5n56	22s58	22s52	16n30		n.a.

Julian Day Number = 1551124.5, Delta T = 04h30m46s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'43, Lahiri = -10°23'42 Julian Calendar 1 Oct. 467 BCE == Greg. Calendar 26 Sept. 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

NOVEMBER 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 17 11	3♏22'37	3♌ 6	15♎19	28♍34	7♌44	17°R59	22♌53	12♍41	10♉45	26♏23	14°R20	15♉17	0♉49	n.a.	S 1
S 2	2 21 8	4°23'40	16°20	16°44	29°48	8°11	17♊55	22°57	12°44	10°46	26°25	14♉19	15°13	0°55	n.a.	S 2
M 3	2 25 5	5°24'44	0♍ 1	18° 9	1♎ 1	8°39	17°50	23° 1	12°47	10°47	26°27	14°17	15°10	1° 2	n.a.	M 3
T 4	2 29 1	6°25'50	14°11	19°36	2°15	9° 6	17°46	23° 5	12°49	10°49	26°29	14°12	15° 7	1° 9	n.a.	T 4
W 5	2 32 58	7°26'56	28°49	21° 3	3°29	9°32	17°42	23° 8	12°52	10°50	26°32	14° 4	15° 4	1°16	n.a.	W 5
T 6	2 36 54	8°28'04	13♎51	22°32	4°43	9°59	17°37	23°12	12°55	10°51	26°34	13°55	15° 1	1°22	n.a.	T 6
F 7	2 40 51	9°29'13	29° 7	24° 0	5°57	10°25	17°32	23°15	12°57	10°52	26°36	13°44	14°57	1°29	n.a.	F 7
S 8	2 44 47	10°30'23	14♏28	25°30	7°11	10°51	17°27	23°19	13° 0	10°54	26°38	13°35	14°54	1°36	n.a.	S 8
S 9	2 48 44	11°31'33	29°41	27° 0	8°25	11°17	17°22	23°22	13° 2	10°55	26°40	13°26	14°51	1°42	n.a.	S 9
M10	2 52 40	12°32'45	14♐36	28°30	9°39	11°42	17°16	23°25	13° 4	10°56	26°42	13°21	14°48	1°49	n.a.	M10
T 11	2 56 37	13°33'56	29° 5	0♏ 1	10°53	12° 7	17°11	23°28	13° 7	10°58	26°44	13°17	14°45	1°56	n.a.	T 11
W12	3 0 34	14°35'09	13♉ 6	1°32	12° 8	12°32	17° 5	23°31	13° 9	10°59	26°46	13°D17	14°42	2° 3	n.a.	W12
T 13	3 4 30	15°36'21	26°38	3° 3	13°22	12°57	16°59	23°34	13°11	11° 1	26°49	13°17	14°38	2° 9	n.a.	T 13
F 14	3 8 27	16°37'34	9♒43	4°35	14°36	13°22	16°53	23°37	13°13	11° 2	26°51	13°18	14°35	2°16	n.a.	F 14
S 15	3 12 23	17°38'47	22°26	6° 7	15°50	13°46	16°47	23°39	13°16	11° 4	26°53	13°R18	14°32	2°23	n.a.	S 15
S 16	3 16 20	18°40'00	4♓50	7°39	17° 5	14° 9	16°40	23°42	13°18	11° 5	26°55	13°16	14°29	2°30	n.a.	S 16
M17	3 20 16	19°41'14	17° 0	9°11	18°19	14°33	16°34	23°44	13°20	11° 7	26°57	13°12	14°26	2°36	n.a.	M17
T 18	3 24 13	20°42'27	29° 0	10°43	19°33	14°56	16°27	23°47	13°22	11° 8	27° 0	13° 6	14°22	2°43	n.a.	T 18
W19	3 28 10	21°43'41	10♈55	12°16	20°48	15°19	16°21	23°49	13°24	11°10	27° 2	12°58	14°19	2°50	n.a.	W19
T 20	3 32 6	22°44'55	22°47	13°48	22° 2	15°42	16°14	23°51	13°26	11°12	27° 4	12°48	14°16	2°56	n.a.	T 20
F 21	3 36 3	23°46'09	4♉39	15°21	23°17	16° 4	16° 7	23°53	13°28	11°13	27° 6	12°38	14°13	3° 3	n.a.	F 21
S 22	3 39 59	24°47'24	16°33	16°55	24°31	16°26	16° 0	23°55	13°29	11°15	27° 8	12°28	14°10	3°10	n.a.	S 22
S 23	3 43 56	25°48'39	28°29	18°28	25°46	16°48	15°53	23°57	13°31	11°17	27°10	12°20	14° 7	3°17	n.a.	S 23
M24	3 47 52	26°49'54	10♊30	20° 2	27° 0	17° 9	15°46	23°59	13°33	11°18	27°13	12°13	14° 3	3°23	n.a.	M24
T 25	3 51 49	27°51'09	22°37	21°36	28°15	17°30	15°38	24° 0	13°34	11°20	27°15	12° 9	14° 0	3°30	n.a.	T 25
W26	3 55 45	28°52'24	4♋51	23°10	29°30	17°50	15°31	24° 2	13°36	11°22	27°17	12° 7	13°57	3°37	n.a.	W26
T 27	3 59 42	29°53'40	17°16	24°44	0♏44	18°11	15°23	24° 3	13°38	11°24	27°19	12°D 6	13°54	3°43	n.a.	T 27
F 28	4 3 39	0♐54'56	29°53	26°19	1°59	18°30	15°16	24° 5	13°39	11°26	27°21	12° 8	13°51	3°50	n.a.	F 28
S 29	4 7 35	1°56'12	12♌46	27°54	3°14	18°50	15° 8	24° 6	13°41	11°27	27°24	12° 9	13°48	3°57	n.a.	S 29
S 30	4 11 32	2♐57'28	25♌58	29♏29	4♏28	19♌ 9	15♊ 0	24♌ 7	13♍42	11♉29	27♏26	12♉10	13♉44	4♉ 4	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s48	18n 8	1s38	4s21	1n54	2n16	1n50	20n26	1n55	23n 3	0s 9	15n44	1n46	7n34	0n45	23s14	0n 5	13s50	5n56	22s58	22s52	16n32		n.a.
S 2	13 9	13 35	2 41	4 59	1 48	1 46	1 51	20 20	1 57	23 3	0 9	15 43	1 47	7 33	0 45	23 14	0 5	13 50	5 56	22 58	22 52	16 34		n.a.
M 3	13 30	8 13	3 38	5 38	1 43	1 17	1 51	20 14	1 58	23 2	0 9	15 42	1 47	7 32	0 45	23 14	0 5	13 51	5 56	22 59	22 53	16 37		n.a.
T 4	13 50	2 16	4 23	6 17	1 36	0 47	1 51	20 8	1 59	23 2	0 9	15 41	1 47	7 31	0 45	23 14	0 5	13 52	5 56	22 59	22 53	16 39		n.a.
W 5	14 11	3s59	4 52	6 56	1 30	0 18	1 51	20 2	2 1	23 2	0 9	15 40	1 47	7 30	0 45	23 14	0 5	13 52	5 55	23 0	22 53	16 41		n.a.
T 6	14 31	10 10	5 3	7 35	1 23	0s12	1 52	19 56	2 2	23 2	0 9	15 39	1 48	7 29	0 45	23 14	0 5	13 53	5 55	23 1	22 54	16 43		n.a.
F 7	14 50	15 51	4 52	8 15	1 17	0 41	1 52	19 50	2 3	23 1	0 8	15 38	1 48	7 28	0 45	23 13	0 5	13 53	5 55	23 2	22 54	16 45		n.a.
S 8	15 10	20 31	4 20	8 54	1 10	1 11	1 52	19 44	2 5	23 1	0 8	15 37	1 48	7 27	0 45	23 13	0 5	13 54	5 55	23 3	22 54	16 48		n.a.
S 9	15 29	23 46	3 30	9 33	1 3	1 41	1 51	19 38	2 6	23 0	0 8	15 37	1 48	7 26	0 45	23 13	0 5	13 55	5 55	23 4	22 55	16 50		n.a.
M10	15 48	25 17	2 27	10 12	0 56	2 10	1 51	19 32	2 8	23 0	0 8	15 36	1 49	7 26	0 45	23 13	0 5	13 55	5 55	23 4	22 55	16 52		n.a.
T 11	16 7	25 0	1 15	10 51	0 49	2 40	1 51	19 27	2 9	23 0	0 8	15 35	1 49	7 25	0 45	23 13	0 5	13 56	5 55	23 5	22 55	16 54		n.a.
W12	16 25	23 7	0 1	11 30	0 42	3 10	1 50	19 21	2 11	22 59	0 8	15 34	1 49	7 24	0 45	23 13	0 5	13 57	5 54	23 5	22 56	16 56		n.a.
T 13	16 44	19 57	1n11	12 8	0 35	3 39	1 50	19 15	2 12	22 59	0 8	15 34	1 49	7 23	0 45	23 13	0 5	13 57	5 54	23 5	22 56	16 58		n.a.
F 14	17 1	15 51	2 17	12 46	0 28	4 9	1 49	19 9	2 13	22 58	0 7	15 33	1 50	7 22	0 45	23 13	0 5	13 58	5 54	23 5	22 57	17 0		n.a.
S 15	17 19	11 10	3 14	13 24	0 21	4 39	1 49	19 4	2 15	22 58	0 7	15 32	1 50	7 21	0 45	23 13	0 5	13 58	5 54	23 5	22 57	17 3		n.a.
S 16	17 36	6 9	4 0	14 1	0 14	5 8	1 48	18 58	2 16	22 57	0 7	15 32	1 50	7 21	0 45	23 12	0 4	13 59	5 54	23 5	22 57	17 5		n.a.
M17	17 53	0 59	4 35	14 37	0 7	5 38	1 47	18 53	2 18	22 57	0 7	15 31	1 50	7 20	0 45	23 12	0 4	14 0	5 54	23 5	22 58	17 7		n.a.
T 18	18 10	4n 8	4 57	15 13	0 1	6 7	1 46	18 47	2 19	22 56	0 7	15 30	1 51	7 19	0 45	23 12	0 4	14 0	5 54	23 6	22 58	17 9		n.a.
W19	18 26	9 3	5 6	15 49	0s 6	6 36	1 45	18 42	2 21	22 56	0 7	15 30	1 51	7 18	0 45	23 12	0 4	14 1	5 54	23 7	22 58	17 11		n.a.
T 20	18 42	13 37	5 1	16 24	0 13	7 5	1 44	18 36	2 23	22 55	0 7	15 29	1 51	7 18	0 45	23 12	0 4	14 1	5 53	23 8	22 59	17 13		n.a.
F 21	18 58	17 41	4 44	16 58	0 19	7 34	1 43	18 31	2 24	22 55	0 6	15 29	1 51	7 17	0 45	23 12	0 4	14 2	5 53	23 9	22 59	17 15		n.a.
S 22	19 13	21 3	4 14	17 31	0 26	8 3	1 42	18 26	2 26	22 54	0 6	15 29	1 52	7 16	0 45	23 12	0 4	14 3	5 53	23 10	22 59	17 17		n.a.
S 23	19 28	23 33	3 33	18 4	0 32	8 31	1 41	18 21	2 27	22 53	0 6	15 28	1 52	7 16	0 45	23 12	0 4	14 3	5 53	23 10	23 0	17 19		n.a.
M24	19 42	24 59	2 42	18 36	0 39	9 0	1 39	18 16	2 29	22 53	0 6	15 28	1 52	7 15	0 46	23 11	0 4	14 4	5 53	23 11	23 0	17 21		n.a.
T 25	19 56	25 16	1 44	19 7	0 45	9 28	1 38	18 11	2 31	22 52	0 6	15 28	1 53	7 14	0 46	23 11	0 4	14 4	5 53	23 11	23 0	17 24		n.a.
W26	20 10	24 19	0 39	19 37	0 51	9 56	1 37	18 6	2 32	22 51	0 6	15 27	1 53	7 14	0 46	23 11	0 4	14 5	5 53	23 12	23 1	17 26		n.a.
T 27	20 24	22 10	0s28	20 7	0 57	10 24	1 35	18 1	2 34	22 51	0 6	15 27	1 53	7 13	0 46	23 11	0 4	14 6	5 53	23 12	23 1	17 28		n.a.
F 28	20 37	18 54	1 35	20 35	1 2	10 51	1 34	17 56	2 36	22 50	0 5	15 27	1 53	7 13	0 46	23 11	0 4	14 6	5 53	23 11	23 1	17 30		n.a.
S 29	20 49	14 40	2 39	21 3	1 8	11 19	1 32	17 52	2 37	22 49	0 5	15 27	1 54	7 12	0 46	23 11	0 4	14 7	5 53	23 11	23 2	17 32		n.a.
S 30	21s 1	9n39	3s36	21s30	1s13	11s46	1n30	17n47	2n39	22n49	0s 5	15n27	1n54	7n12	0n46	23s11	0n 4	14s 7	5n52	23s11	23s 2	17n34		n.a.

Julian Day Number = 1551155.5, Delta T = 04h30m45s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'38, Lahiri = -10°23'38 Julian Calendar 1 Nov. 467 BCE == Greg. Calendar 27 Oct. 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 467 BCE
geocentric

DECEMBER 467 BCE (-466) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 15 28	3♐58'45	9♍31	1♐ 5	5♏43	19♌28	14°R53	24♌ 8	13♍43	11♑31	27♏28	12°R10	13♑41	4♉10	n.a.	M 1
T 2	4 19 25	5° 0'01	23°28	2°41	6°58	19°46	14♊45	24° 9	13°45	11°33	27°30	12♑ 9	13°38	4°17	n.a.	T 2
W 3	4 23 21	6° 1'18	7♎49	4°17	8°12	20° 4	14°37	24°10	13°46	11°35	27°32	12° 6	13°35	4°24	n.a.	W 3
T 4	4 27 18	7° 2'35	22°30	5°54	9°27	20°21	14°29	24°10	13°47	11°37	27°35	12° 1	13°32	4°30	n.a.	T 4
F 5	4 31 14	8° 3'52	7♏27	7°31	10°42	20°38	14°21	24°11	13°48	11°39	27°37	11°56	13°28	4°37	n.a.	F 5
S 6	4 35 11	9° 5'08	22°32	9° 9	11°57	20°55	14°13	24°11	13°49	11°41	27°39	11°51	13°25	4°44	n.a.	S 6
S 7	4 39 8	10° 6'25	7♐34	10°46	13°12	21°11	14° 5	24°12	13°50	11°43	27°41	11°47	13°22	4°51	n.a.	S 7
M 8	4 43 4	11° 7'41	22°25	12°25	14°26	21°26	13°57	24°12	13°51	11°45	27°43	11°44	13°19	4°57	n.a.	M 8
T 9	4 47 1	12° 8'57	6♑58	14° 4	15°41	21°41	13°49	24°12	13°52	11°47	27°45	11°D42	13°16	5° 4	n.a.	T 9
W10	4 50 57	13°10'13	21° 5	15°43	16°56	21°56	13°40	24°R12	13°53	11°49	27°48	11°43	13°13	5°11	n.a.	W10
T 11	4 54 54	14°11'27	4♒46	17°22	18°11	22°10	13°32	24°12	13°54	11°51	27°50	11°44	13° 9	5°17	n.a.	T 11
F 12	4 58 50	15°12'41	18° 0	19° 2	19°26	22°24	13°24	24°12	13°55	11°53	27°52	11°46	13° 6	5°24	n.a.	F 12
S 13	5 2 47	16°13'54	0♓50	20°43	20°40	22°37	13°16	24°11	13°55	11°55	27°54	11°47	13° 3	5°31	n.a.	S 13
S 14	5 6 44	17°15'06	13°19	22°24	21°55	22°49	13° 8	24°11	13°56	11°57	27°56	11°R48	13° 0	5°38	n.a.	S 14
M15	5 10 40	18°16'17	25°32	24° 5	23°10	23° 1	13° 0	24°10	13°57	11°59	27°58	11°48	12°57	5°44	n.a.	M15
T 16	5 14 37	19°17'27	7♈33	25°47	24°25	23°13	12°52	24°10	13°57	12° 2	28° 0	11°46	12°54	5°51	n.a.	T 16
W17	5 18 33	20°18'36	19°27	27°29	25°40	23°24	12°44	24° 9	13°58	12° 4	28° 2	11°44	12°50	5°58	n.a.	W17
T 18	5 22 30	21°19'44	1♉18	29°11	26°55	23°34	12°36	24° 8	13°58	12° 6	28° 4	11°41	12°47	6° 4	n.a.	T 18
F 19	5 26 26	22°20'51	13° 9	0♑54	28° 9	23°44	12°28	24° 7	13°58	12° 8	28° 6	11°38	12°44	6°11	n.a.	F 19
S 20	5 30 23	23°21'57	25° 5	2°37	29°24	23°53	12°20	24° 6	13°59	12°10	28° 8	11°35	12°41	6°18	n.a.	S 20
S 21	5 34 19	24°23'02	7♊ 7	4°20	0♐39	24° 1	12°13	24° 5	13°59	12°12	28°10	11°32	12°38	6°25	n.a.	S 21
M22	5 38 16	25°24'06	19°18	6° 3	1°54	24° 9	12° 5	24° 4	13°59	12°15	28°12	11°30	12°34	6°31	n.a.	M22
T 23	5 42 13	26°25'10	1♋38	7°45	3° 9	24°17	11°57	24° 2	13°59	12°17	28°14	11°29	12°31	6°38	n.a.	T 23
W24	5 46 9	27°26'12	14° 9	9°28	4°24	24°23	11°50	24° 1	13°59	12°19	28°16	11°D29	12°28	6°45	n.a.	W24
T 25	5 50 6	28°27'13	26°52	11°10	5°38	24°29	11°42	23°59	13°R59	12°21	28°18	11°29	12°25	6°51	n.a.	T 25
F 26	5 54 2	29°28'14	9♌47	12°51	6°53	24°35	11°35	23°58	13°59	12°23	28°20	11°30	12°22	6°58	n.a.	F 26
S 27	5 57 59	0♑29'13	22°56	14°32	8° 8	24°39	11°28	23°56	13°59	12°26	28°22	11°31	12°19	7° 5	n.a.	S 27
S 28	6 1 55	1°30'12	6♍19	16°11	9°23	24°43	11°20	23°54	13°59	12°28	28°24	11°32	12°15	7°12	n.a.	S 28
M29	6 5 52	2°31'09	19°57	17°49	10°38	24°47	11°13	23°52	13°59	12°30	28°26	11°33	12°12	7°18	n.a.	M29
T 30	6 9 49	3°32'06	3♎50	19°24	11°52	24°49	11° 6	23°50	13°58	12°32	28°28	11°R33	12° 9	7°25	n.a.	T 30
W31	6 13 45	4♑33'02	17♎58	20♑57	13♐ 7	24♌51	10♊59	23♌48	13♍58	12♑35	28♏30	11♑33	12♑ 6	7♉32	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	21s13	4n 3	4s22	21s55	1s18	12s13	1n28	17n43	2n41	22n48	0s 5	15n26	1n54	7n11	0n46	23s10	0n 4	14s 8	5n52	23s11	23s 2	17n36			n.a.
T 2	21 25	1s53	4 55	22 20	1 23	12 39	1 27	17 39	2 42	22 47	0 5	15 26	1 54	7 11	0 46	23 10	0 4	14 8	5 52	23 11	23 3	17 38			n.a.
W 3	21 36	7 53	5 10	22 43	1 28	13 5	1 25	17 35	2 44	22 46	0 5	15 26	1 55	7 10	0 46	23 10	0 4	14 9	5 52	23 12	23 3	17 40			n.a.
T 4	21 46	13 35	5 6	23 5	1 32	13 31	1 23	17 31	2 46	22 46	0 5	15 26	1 55	7 10	0 46	23 10	0 4	14 10	5 52	23 12	23 3	17 42			n.a.
F 5	21 56	18 36	4 41	23 26	1 37	13 57	1 21	17 27	2 48	22 45	0 4	15 27	1 55	7 9	0 46	23 10	0 4	14 10	5 52	23 13	23 4	17 44			n.a.
S 6	22 6	22 27	3 57	23 46	1 41	14 22	1 19	17 23	2 50	22 44	0 4	15 27	1 55	7 9	0 46	23 10	0 4	14 11	5 52	23 13	23 4	17 46			n.a.
S 7	22 15	24 45	2 56	24 5	1 44	14 47	1 17	17 20	2 51	22 43	0 4	15 27	1 56	7 9	0 46	23 9	0 4	14 11	5 52	23 13	23 4	17 48			n.a.
M 8	22 24	25 15	1 44	24 22	1 48	15 11	1 15	17 16	2 53	22 42	0 4	15 27	1 56	7 8	0 46	23 9	0 4	14 12	5 52	23 14	23 5	17 50			n.a.
T 9	22 33	24 0	0 26	24 37	1 51	15 35	1 13	17 13	2 55	22 42	0 4	15 27	1 56	7 8	0 46	23 9	0 4	14 12	5 52	23 14	23 5	17 52			n.a.
W10	22 41	21 14	0n51	24 52	1 54	15 59	1 11	17 10	2 57	22 41	0 4	15 27	1 57	7 8	0 46	23 9	0 4	14 13	5 52	23 14	23 5	17 54			n.a.
T 11	22 48	17 20	2 3	25 5	1 56	16 22	1 8	17 7	2 59	22 40	0 4	15 28	1 57	7 7	0 46	23 9	0 4	14 13	5 52	23 14	23 6	17 56			n.a.
F 12	22 55	12 41	3 6	25 16	1 59	16 45	1 6	17 4	3 1	22 39	0 3	15 28	1 57	7 7	0 46	23 9	0 4	14 14	5 52	23 13	23 6	17 58			n.a.
S 13	23 2	7 37	3 58	25 25	2 0	17 8	1 4	17 2	3 3	22 38	0 3	15 28	1 57	7 7	0 46	23 8	0 4	14 14	5 52	23 13	23 6	18 0			n.a.
S 14	23 8	2 23	4 37	25 33	2 2	17 30	1 1	16 59	3 5	22 37	0 3	15 29	1 58	7 7	0 46	23 8	0 4	14 15	5 52	23 13	23 6	18 2			n.a.
M15	23 14	2n49	5 2	25 40	2 3	17 51	0 59	16 57	3 7	22 36	0 3	15 29	1 58	7 6	0 46	23 8	0 4	14 15	5 52	23 13	23 7	18 4			n.a.
T 16	23 19	7 49	5 14	25 44	2 3	18 12	0 57	16 55	3 9	22 36	0 3	15 30	1 58	7 6	0 46	23 8	0 4	14 16	5 52	23 13	23 7	18 6			n.a.
W17	23 24	12 30	5 12	25 47	2 4	18 33	0 54	16 53	3 11	22 35	0 3	15 30	1 58	7 6	0 46	23 8	0 4	14 16	5 52	23 14	23 7	18 8			n.a.
T 18	23 28	16 42	4 56	25 48	2 3	18 53	0 52	16 52	3 13	22 34	0 2	15 31	1 59	7 6	0 46	23 8	0 4	14 17	5 52	23 14	23 8	18 10			n.a.
F 19	23 32	20 15	4 28	25 47	2 2	19 12	0 49	16 50	3 15	22 33	0 2	15 31	1 59	7 6	0 47	23 7	0 4	14 17	5 51	23 14	23 8	18 12			n.a.
S 20	23 35	22 59	3 49	25 44	2 1	19 31	0 47	16 49	3 17	22 32	0 2	15 32	1 59	7 6	0 47	23 7	0 4	14 18	5 51	23 14	23 8	18 14			n.a.
S 21	23 38	24 43	2 58	25 40	1 59	19 50	0 44	16 48	3 19	22 31	0 2	15 32	1 59	7 6	0 47	23 7	0 4	14 18	5 51	23 15	23 9	18 16			n.a.
M22	23 40	25 18	2 0	25 33	1 56	20 8	0 42	16 47	3 21	22 30	0 2	15 33	2 0	7 6	0 47	23 7	0 4	14 19	5 51	23 15	23 9	18 18			n.a.
T 23	23 42	24 39	0 54	25 24	1 53	20 25	0 39	16 47	3 23	22 29	0 2	15 34	2 0	7 6	0 47	23 7	0 4	14 19	5 51	23 15	23 9	18 20			n.a.
W24	23 44	22 45	0s15	25 14	1 49	20 42	0 37	16 47	3 25	22 29	0 2	15 35	2 0	7 6	0 47	23 6	0 4	14 19	5 51	23 15	23 10	18 22			n.a.
T 25	23 45	19 41	1 24	25 1	1 45	20 58	0 34	16 46	3 27	22 28	0 1	15 35	2 0	7 6	0 47	23 6	0 4	14 20	5 51	23 15	23 10	18 24			n.a.
F 26	23 45	15 37	2 30	24 46	1 40	21 13	0 32	16 47	3 29	22 27	0 1	15 36	2 1	7 6	0 47	23 6	0 4	14 20	5 51	23 15	23 10	18 26			n.a.
S 27	23 45	10 45	3 30	24 30	1 34	21 28	0 29	16 47	3 31	22 26	0 1	15 37	2 1	7 6	0 47	23 6	0 4	14 21	5 51	23 15	23 10	18 28			n.a.
S 28	23 45	5 18	4 19	24 12	1 27	21 43	0 26	16 47	3 33	22 25	0 1	15 38	2 1	7 6	0 47	23 6	0 4	14 21	5 51	23 15	23 11	18 29			n.a.
M29	23 44	0s29	4 55	23 51	1 19	21 56	0 24	16 48	3 35	22 24	0 1	15 39	2 1	7 6	0 47	23 5	0 4	14 22	5 51	23 15	23 11	18 31			n.a.
T 30	23 42	6 20	5 14	23 30	1 11	22 9	0 21	16 49	3 37	22 23	0 1	15 40	2 2	7 6	0 47	23 5	0 4	14 22	5 51	23 15	23 11	18 33			n.a.
W31	23s40	11s59	5s15	23s 6	1s 1	22s22	0n19	16n51	3n39	22n23	0s 0	15n41	2n 2	7n 6	0n47	23s 5	0n 4	14s22	5n51	23s15	23s12	18n35			n.a.

Julian Day Number = 1551185.5, Delta T = 04h30m44s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'34, Lahiri = -10°23'34 Julian Calendar 1 Dec. 467 BCE == Greg. Calendar 26 Nov. 467 BCE

The year -466 astronomical counting style corresponds to year 467 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

JANUARY 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 17 42	5♑33'57	2♏19	22♑27	14♐22	24♌52	10°R53	23°R45	13°R58	12♑37	28♏32	11°R32	12♑ 3	7♉38	n.a.	T 1
F 2	6 21 38	6°34'51	16°50	23°54	15°37	24°R53	10♊46	23♌43	13♍57	12°39	28°34	11♑32	12° 0	7°45	n.a.	F 2
S 3	6 25 35	7°35'44	1♐26	25°17	16°52	24°53	10°39	23°41	13°57	12°41	28°35	11°31	11°56	7°52	n.a.	S 3
S 4	6 29 31	8°36'36	16° 3	26°34	18° 7	24°51	10°33	23°38	13°56	12°44	28°37	11°31	11°53	7°58	n.a.	S 4
M 5	6 33 28	9°37'26	0♑32	27°46	19°21	24°50	10°27	23°35	13°56	12°46	28°39	11°31	11°50	8° 5	n.a.	M 5
T 6	6 37 24	10°38'16	14°50	28°52	20°36	24°47	10°21	23°33	13°55	12°48	28°41	11°D31	11°47	8°12	n.a.	T 6
W 7	6 41 21	11°39'03	28°50	29°51	21°51	24°44	10°15	23°30	13°54	12°51	28°42	11°R31	11°44	8°19	n.a.	W 7
T 8	6 45 18	12°39'50	12♒29	0♒42	23° 6	24°39	10° 9	23°27	13°54	12°53	28°44	11°30	11°40	8°25	n.a.	T 8
F 9	6 49 14	13°40'34	25°46	1°24	24°21	24°34	10° 3	23°24	13°53	12°55	28°46	11°30	11°37	8°32	n.a.	F 9
S 10	6 53 11	14°41'17	8♓40	1°57	25°35	24°29	9°58	23°21	13°52	12°57	28°48	11°30	11°34	8°39	n.a.	S 10
S 11	6 57 7	15°41'57	21°14	2°20	26°50	24°22	9°52	23°18	13°51	13° 0	28°49	11°30	11°31	8°45	n.a.	S 11
M12	7 1 4	16°42'36	3♈31	2°33	28° 5	24°15	9°47	23°14	13°50	13° 2	28°51	11°29	11°28	8°52	n.a.	M12
T 13	7 5 0	17°43'13	15°35	2°R36	29°20	24° 7	9°42	23°11	13°49	13° 4	28°52	11°D29	11°25	8°59	n.a.	T 13
W14	7 8 57	18°43'49	27°30	2°28	0♑34	23°58	9°37	23° 8	13°48	13° 7	28°54	11°29	11°21	9° 6	n.a.	W14
T 15	7 12 53	19°44'22	9♉22	2°10	1°49	23°48	9°32	23° 4	13°47	13° 9	28°56	11°30	11°18	9°12	n.a.	T 15
F 16	7 16 50	20°44'53	21°14	1°41	3° 4	23°38	9°28	23° 1	13°46	13°11	28°57	11°30	11°15	9°19	n.a.	F 16
S 17	7 20 47	21°45'23	3♊12	1° 4	4°19	23°27	9°24	22°57	13°44	13°13	28°59	11°31	11°12	9°26	n.a.	S 17
S 18	7 24 43	22°45'51	15°18	0°18	5°33	23°15	9°19	22°53	13°43	13°16	29° 0	11°32	11° 9	9°32	n.a.	S 18
M19	7 28 40	23°46'16	27°37	29♑25	6°48	23° 2	9°15	22°50	13°42	13°18	29° 2	11°33	11° 6	9°39	n.a.	M19
T 20	7 32 36	24°46'40	10♋10	28°26	8° 3	22°49	9°12	22°46	13°40	13°20	29° 3	11°R34	11° 2	9°46	n.a.	T 20
W21	7 36 33	25°47'02	22°59	27°23	9°17	22°34	9° 8	22°42	13°39	13°22	29° 4	11°33	10°59	9°53	n.a.	W21
T 22	7 40 29	26°47'22	6♌ 4	26°18	10°32	22°20	9° 4	22°38	13°38	13°25	29° 6	11°32	10°56	9°59	n.a.	T 22
F 23	7 44 26	27°47'40	19°25	25°13	11°47	22° 4	9° 1	22°34	13°36	13°27	29° 7	11°31	10°53	10° 6	n.a.	F 23
S 24	7 48 22	28°47'57	2♍59	24° 8	13° 1	21°48	8°58	22°30	13°35	13°29	29° 8	11°28	10°50	10°13	n.a.	S 24
S 25	7 52 19	29°48'11	16°46	23° 5	14°16	21°31	8°55	22°26	13°33	13°31	29°10	11°26	10°46	10°19	n.a.	S 25
M26	7 56 16	0♒48'24	0♎42	22° 6	15°31	21°13	8°52	22°22	13°31	13°33	29°11	11°23	10°43	10°26	n.a.	M26
T 27	8 0 12	1°48'35	14°45	21°12	16°45	20°55	8°50	22°18	13°30	13°36	29°12	11°22	10°40	10°33	n.a.	T 27
W28	8 4 9	2°48'45	28°53	20°23	18° 0	20°36	8°48	22°13	13°28	13°38	29°13	11°D21	10°37	10°39	n.a.	W28
T 29	8 8 5	3°48'53	13♏ 4	19°41	19°14	20°17	8°46	22° 9	13°26	13°40	29°15	11°21	10°34	10°46	n.a.	T 29
F 30	8 12 2	4°49'00	27°16	19° 5	20°29	19°57	8°44	22° 5	13°24	13°42	29°16	11°22	10°31	10°53	n.a.	F 30
S 31	8 15 58	5♒49'05	11♐27	18♑36	21♑44	19♌36	8♊42	22♌ 0	13♍23	13♑44	29♏17	11♑23	10♑27	11♉ 0	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23s38	17s 4	4s57	22s42	0s51	22s34	0n16	16n52	3n42	22n22	0s 0	15n42	2n 2	7n 7	0n47	23s 5	0n 4	14s23	5n51	23s15	23s12	18n37			n.a.
F 2	23 35	21 13	4 19	22 16	0 40	22 45	0 13	16 54	3 44	22 21	0 0	15 43	2 2	7 7	0 47	23 5	0 4	14 23	5 51	23 15	23 12	18 39			n.a.
S 3	23 32	24 3	3 25	21 49	0 28	22 55	0 11	16 56	3 46	22 20	0 0	15 44	2 3	7 7	0 47	23 4	0 4	14 23	5 51	23 15	23 12	18 41			n.a.
S 4	23 28	25 17	2 17	21 22	0 15	23 5	0 8	16 58	3 48	22 19	0n 0	15 45	2 3	7 7	0 47	23 4	0 4	14 24	5 51	23 15	23 13	18 43			n.a.
M 5	23 24	24 46	1 1	20 54	0 1	23 14	0 6	17 1	3 50	22 19	0 0	15 46	2 3	7 8	0 47	23 4	0 4	14 24	5 52	23 15	23 13	18 45			n.a.
T 6	23 19	22 37	0n18	20 26	0n13	23 22	0 3	17 4	3 52	22 18	0 0	15 47	2 3	7 8	0 47	23 4	0 4	14 25	5 52	23 15	23 13	18 46			n.a.
W 7	23 14	19 7	1 35	19 59	0 29	23 30	0 0	17 7	3 54	22 17	0 1	15 48	2 4	7 8	0 47	23 4	0 4	14 25	5 52	23 15	23 14	18 48			n.a.
T 8	23 8	14 40	2 44	19 32	0 45	23 36	0s 2	17 10	3 56	22 16	0 1	15 49	2 4	7 9	0 47	23 3	0 4	14 25	5 52	23 15	23 14	18 50			n.a.
F 9	23 2	9 37	3 42	19 7	1 1	23 43	0 5	17 14	3 58	22 16	0 1	15 51	2 4	7 9	0 47	23 3	0 4	14 26	5 52	23 15	23 14	18 52			n.a.
S 10	22 56	4 18	4 27	18 43	1 18	23 48	0 7	17 18	4 0	22 15	0 1	15 52	2 4	7 9	0 47	23 3	0 4	14 26	5 52	23 15	23 14	18 54			n.a.
S 11	22 49	1n 2	4 58	18 21	1 35	23 53	0 10	17 22	4 2	22 14	0 1	15 53	2 4	7 10	0 47	23 3	0 4	14 26	5 52	23 15	23 15	18 56			n.a.
M12	22 41	6 13	5 14	18 2	1 52	23 57	0 12	17 26	4 4	22 14	0 1	15 54	2 5	7 10	0 47	23 3	0 4	14 27	5 52	23 15	23 15	18 58			n.a.
T 13	22 34	11 4	5 16	17 44	2 9	24 0	0 15	17 31	4 6	22 13	0 1	15 56	2 5	7 11	0 48	23 2	0 4	14 27	5 52	23 15	23 15	18 59			n.a.
W14	22 25	15 27	5 5	17 30	2 26	24 2	0 17	17 35	4 8	22 13	0 2	15 57	2 5	7 11	0 48	23 2	0 4	14 27	5 52	23 15	23 16	19 1			n.a.
T 15	22 17	19 13	4 41	17 19	2 41	24 4	0 20	17 40	4 10	22 12	0 2	15 58	2 5	7 11	0 48	23 2	0 4	14 27	5 52	23 15	23 16	19 3			n.a.
F 16	22 8	22 13	4 4	17 11	2 56	24 5	0 22	17 46	4 11	22 11	0 2	16 0	2 5	7 12	0 48	23 2	0 4	14 28	5 52	23 15	23 16	19 5			n.a.
S 17	21 58	24 17	3 17	17 6	3 10	24 5	0 25	17 51	4 13	22 11	0 2	16 1	2 6	7 12	0 48	23 1	0 4	14 28	5 52	23 15	23 16	19 7			n.a.
S 18	21 48	25 15	2 20	17 4	3 22	24 5	0 27	17 57	4 15	22 10	0 2	16 3	2 6	7 13	0 48	23 1	0 4	14 28	5 52	23 15	23 17	19 8			n.a.
M19	21 38	25 0	1 16	17 5	3 32	24 4	0 29	18 3	4 16	22 10	0 2	16 4	2 6	7 14	0 48	23 1	0 4	14 29	5 52	23 15	23 17	19 10			n.a.
T 20	21 27	23 29	0 8	17 9	3 40	24 2	0 32	18 9	4 18	22 9	0 2	16 5	2 6	7 14	0 48	23 1	0 4	14 29	5 52	23 14	23 17	19 12			n.a.
W21	21 16	20 44	1s 3	17 16	3 46	23 59	0 34	18 15	4 20	22 9	0 3	16 7	2 6	7 15	0 48	23 1	0 4	14 29	5 52	23 15	23 17	19 14			n.a.
T 22	21 4	16 53	2 11	17 24	3 50	23 56	0 36	18 21	4 21	22 9	0 3	16 8	2 7	7 15	0 48	23 0	0 4	14 29	5 52	23 15	23 18	19 16			n.a.
F 23	20 52	12 7	3 14	17 35	3 51	23 52	0 38	18 28	4 23	22 8	0 3	16 10	2 7	7 16	0 48	23 0	0 4	14 29	5 52	23 15	23 18	19 17			n.a.
S 24	20 40	6 42	4 7	17 47	3 51	23 47	0 41	18 35	4 24	22 8	0 3	16 11	2 7	7 16	0 48	23 0	0 4	14 30	5 52	23 15	23 18	19 19			n.a.
S 25	20 27	0 54	4 47	18 0	3 48	23 41	0 43	18 41	4 25	22 8	0 3	16 13	2 7	7 17	0 48	23 0	0 4	14 30	5 52	23 15	23 18	19 21			n.a.
M26	20 14	5s 0	5 10	18 15	3 43	23 35	0 45	18 48	4 26	22 7	0 3	16 14	2 7	7 18	0 48	23 0	0 4	14 30	5 52	23 15	23 19	19 23			n.a.
T 27	20 1	10 42	5 14	18 30	3 36	23 28	0 47	18 55	4 28	22 7	0 3	16 16	2 7	7 18	0 48	22 59	0 4	14 30	5 53	23 16	23 19	19 24			n.a.
W28	19 47	15 53	5 0	18 45	3 28	23 20	0 49	19 3	4 29	22 7	0 3	16 18	2 8	7 19	0 48	22 59	0 4	14 31	5 53	23 16	23 19	19 26			n.a.
T 29	19 33	20 13	4 28	19 1	3 19	23 11	0 51	19 10	4 30	22 7	0 4	16 19	2 8	7 20	0 48	22 59	0 4	14 31	5 53	23 16	23 20	19 28			n.a.
F 30	19 19	23 22	3 39	19 16	3 8	23 2	0 53	19 17	4 30	22 6	0 4	16 21	2 8	7 21	0 48	22 59	0 4	14 31	5 53	23 16	23 20	19 30			n.a.
S 31	19s 4	25s 3	2s37	19s31	2n57	22s52	0s55	19n25	4n31	22n 6	0n 4	16n22	2n 8	7n21	0n48	22s58	0n 4	14s31	5n53	23s15	23s20	19n31			n.a.

Julian Day Number = 1551216.5, Delta T = 04h30m43s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'30, Lahiri = -10°23'30 Julian Calendar 1 Jan. 466 BCE == Greg. Calendar 27 Dec. 467 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

FEBRUARY 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 19 55	6♒49'08	25♐34	18°R14	22♑58	19°R15	8°R40	21°R56	13°R21	13♑46	29♏18	11♑25	10♑24	11♉ 6	n.a.	S 1
M 2	8 23 51	7°49'09	9♑35	17♑59	24°13	18♌54	8♊39	21♌51	13♍19	13°49	29°19	11°R26	10°21	11°13	n.a.	M 2
T 3	8 27 48	8°49'08	23°26	17°51	25°27	18°32	8°38	21°47	13°17	13°51	29°20	11°25	10°18	11°20	n.a.	T 3
W 4	8 31 45	9°49'06	7♒ 6	17°D49	26°42	18°10	8°37	21°42	13°15	13°53	29°21	11°23	10°15	11°26	n.a.	W 4
T 5	8 35 41	10°49'01	20°30	17°53	27°57	17°47	8°36	21°38	13°13	13°55	29°22	11°20	10°12	11°33	n.a.	T 5
F 6	8 39 38	11°48'54	3♓38	18° 4	29°11	17°25	8°36	21°33	13°11	13°57	29°23	11°15	10° 8	11°40	n.a.	F 6
S 7	8 43 34	12°48'45	16°28	18°20	0♒26	17° 2	8°35	21°29	13° 9	13°59	29°24	11°10	10° 5	11°47	n.a.	S 7
S 8	8 47 31	13°48'34	29° 1	18°41	1°40	16°39	8°D35	21°24	13° 7	14° 1	29°25	11° 4	10° 2	11°53	n.a.	S 8
M 9	8 51 27	14°48'20	11♈19	19° 7	2°55	16°15	8°35	21°19	13° 5	14° 3	29°26	10°59	9°59	12° 0	n.a.	M 9
T 10	8 55 24	15°48'04	23°24	19°38	4° 9	15°52	8°35	21°15	13° 2	14° 5	29°27	10°55	9°56	12° 7	n.a.	T 10
W11	8 59 20	16°47'46	5♉20	20°13	5°24	15°28	8°36	21°10	13° 0	14° 7	29°28	10°53	9°52	12°13	n.a.	W11
T 12	9 3 17	17°47'25	17°11	20°53	6°38	15° 5	8°36	21° 5	12°58	14° 9	29°28	10°D52	9°49	12°20	n.a.	T 12
F 13	9 7 13	18°47'02	29° 3	21°36	7°52	14°41	8°37	21° 1	12°56	14°11	29°29	10°53	9°46	12°27	n.a.	F 13
S 14	9 11 10	19°46'37	11♊ 1	22°23	9° 7	14°18	8°38	20°56	12°53	14°13	29°30	10°54	9°43	12°33	n.a.	S 14
S 15	9 15 7	20°46'09	23° 9	23°13	10°21	13°55	8°39	20°51	12°51	14°15	29°30	10°56	9°40	12°40	n.a.	S 15
M16	9 19 3	21°45'39	5♋31	24° 7	11°36	13°31	8°41	20°47	12°49	14°17	29°31	10°R57	9°37	12°47	n.a.	M16
T 17	9 23 0	22°45'06	18°13	25° 3	12°50	13° 9	8°42	20°42	12°46	14°19	29°32	10°57	9°33	12°54	n.a.	T 17
W18	9 26 56	23°44'31	1♌15	26° 3	14° 5	12°46	8°44	20°37	12°44	14°21	29°32	10°55	9°30	13° 0	n.a.	W18
T 19	9 30 53	24°43'54	14°39	27° 5	15°19	12°24	8°46	20°33	12°42	14°22	29°33	10°51	9°27	13° 7	n.a.	T 19
F 20	9 34 49	25°43'15	28°24	28° 9	16°33	12° 2	8°48	20°28	12°39	14°24	29°33	10°45	9°24	13°14	n.a.	F 20
S 21	9 38 46	26°42'33	12♍26	29°16	17°48	11°40	8°50	20°23	12°37	14°26	29°34	10°38	9°21	13°20	n.a.	S 21
S 22	9 42 42	27°41'49	26°42	0♒25	19° 2	11°19	8°53	20°19	12°34	14°28	29°34	10°30	9°18	13°27	n.a.	S 22
M23	9 46 39	28°41'04	11♎ 5	1°36	20°16	10°58	8°56	20°14	12°32	14°30	29°35	10°23	9°14	13°34	n.a.	M23
T 24	9 50 36	29°40'16	25°30	2°50	21°31	10°38	8°58	20° 9	12°29	14°31	29°35	10°17	9°11	13°40	n.a.	T 24
W25	9 54 32	0♓39'26	9♏51	4° 5	22°45	10°18	9° 1	20° 5	12°27	14°33	29°36	10°13	9° 8	13°47	n.a.	W25
T 26	9 58 29	1°38'35	24° 7	5°22	23°59	9°59	9° 5	20° 0	12°24	14°35	29°36	10°11	9° 5	13°54	n.a.	T 26
F 27	10 2 25	2°37'42	8♐13	6°42	25°14	9°40	9° 8	19°56	12°22	14°36	29°36	10°D11	9° 2	14° 1	n.a.	F 27
S 28	10 6 22	3♓36'47	22♐ 9	8♒ 3	26♒28	9♌22	9♊12	19♌51	12♍19	14♑38	29♏36	10♑12	8♑58	14♉ 7	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	18s49	25s 7	1s26	19s46	2n45	22s42	0s56	19n32	4n32	22n 6	0n 4	16n24	2n 8	7n22	0n48	22s58	0n 4	14s31	5n53	23s15	23s20	19n33			n.a.
M 2	18 33	23 34	0 10	20 1	2 32	22 30	0 58	19 40	4 32	22 6	0 4	16 25	2 8	7 23	0 48	22 58	0 4	14 31	5 53	23 15	23 21	19 35			n.a.
T 3	18 17	20 37	1n 5	20 15	2 19	22 18	1 0	19 47	4 33	22 6	0 4	16 27	2 8	7 24	0 48	22 58	0 3	14 32	5 53	23 15	23 21	19 37			n.a.
W 4	18 1	16 33	2 16	20 28	2 6	22 6	1 2	19 54	4 33	22 6	0 4	16 29	2 9	7 24	0 48	22 58	0 3	14 32	5 53	23 15	23 21	19 38			n.a.
T 5	17 45	11 43	3 18	20 41	1 53	21 53	1 3	20 2	4 34	22 6	0 5	16 30	2 9	7 25	0 48	22 57	0 3	14 32	5 53	23 16	23 21	19 40			n.a.
F 6	17 28	6 28	4 8	20 52	1 39	21 39	1 5	20 9	4 34	22 6	0 5	16 32	2 9	7 26	0 48	22 57	0 3	14 32	5 53	23 16	23 22	19 42			n.a.
S 7	17 11	1 4	4 43	21 3	1 26	21 24	1 6	20 17	4 34	22 6	0 5	16 33	2 9	7 27	0 48	22 57	0 3	14 32	5 53	23 17	23 22	19 43			n.a.
S 8	16 54	4n15	5 5	21 13	1 13	21 9	1 8	20 24	4 34	22 6	0 5	16 35	2 9	7 28	0 48	22 57	0 3	14 32	5 53	23 17	23 22	19 45			n.a.
M 9	16 36	9 18	5 12	21 22	1 0	20 53	1 9	20 31	4 34	22 6	0 5	16 37	2 9	7 29	0 48	22 57	0 3	14 32	5 54	23 17	23 22	19 47			n.a.
T 10	16 18	13 54	5 4	21 30	0 48	20 37	1 11	20 38	4 33	22 6	0 5	16 38	2 9	7 29	0 48	22 56	0 3	14 32	5 54	23 18	23 23	19 48			n.a.
W11	16 0	17 55	4 44	21 37	0 36	20 20	1 12	20 45	4 33	22 7	0 5	16 40	2 9	7 30	0 48	22 56	0 3	14 32	5 54	23 18	23 23	19 50			n.a.
T 12	15 42	21 12	4 11	21 43	0 24	20 2	1 13	20 51	4 33	22 7	0 5	16 42	2 9	7 31	0 48	22 56	0 3	14 32	5 54	23 18	23 23	19 52			n.a.
F 13	15 23	23 35	3 28	21 48	0 12	19 44	1 14	20 58	4 32	22 7	0 5	16 43	2 9	7 32	0 48	22 56	0 3	14 33	5 54	23 18	23 23	19 53			n.a.
S 14	15 5	24 57	2 36	21 51	0 1	19 25	1 16	21 4	4 31	22 7	0 6	16 45	2 10	7 33	0 48	22 56	0 3	14 33	5 54	23 18	23 23	19 55			n.a.
S 15	14 45	25 9	1 35	21 54	0s10	19 6	1 17	21 10	4 30	22 8	0 6	16 46	2 10	7 34	0 48	22 55	0 3	14 33	5 54	23 18	23 24	19 57			n.a.
M16	14 26	24 8	0 29	21 55	0 21	18 46	1 18	21 16	4 30	22 8	0 6	16 48	2 10	7 35	0 48	22 55	0 3	14 33	5 54	23 18	23 24	19 58			n.a.
T 17	14 7	21 51	0s39	21 54	0 31	18 26	1 19	21 22	4 28	22 8	0 6	16 50	2 10	7 36	0 48	22 55	0 3	14 33	5 54	23 18	23 24	20 0			n.a.
W18	13 47	18 23	1 48	21 53	0 40	18 5	1 20	21 28	4 27	22 9	0 6	16 51	2 10	7 37	0 48	22 55	0 3	14 33	5 54	23 18	23 24	20 2			n.a.
T 19	13 27	13 55	2 52	21 50	0 50	17 44	1 20	21 33	4 26	22 9	0 6	16 53	2 10	7 38	0 49	22 55	0 3	14 33	5 54	23 18	23 25	20 3			n.a.
F 20	13 7	8 37	3 48	21 45	0 59	17 22	1 21	21 38	4 25	22 10	0 6	16 54	2 10	7 39	0 49	22 54	0 3	14 33	5 54	23 19	23 25	20 5			n.a.
S 21	12 46	2 49	4 31	21 40	1 7	17 0	1 22	21 43	4 23	22 10	0 6	16 56	2 10	7 40	0 49	22 54	0 3	14 33	5 55	23 19	23 25	20 7			n.a.
S 22	12 26	3s13	4 59	21 33	1 15	16 37	1 23	21 48	4 22	22 11	0 6	16 57	2 10	7 40	0 49	22 54	0 3	14 33	5 55	23 20	23 25	20 8			n.a.
M23	12 5	9 8	5 7	21 24	1 22	16 14	1 23	21 52	4 20	22 11	0 7	16 59	2 10	7 41	0 49	22 54	0 3	14 33	5 55	23 20	23 26	20 10			n.a.
T 24	11 44	14 34	4 57	21 14	1 30	15 50	1 24	21 56	4 19	22 12	0 7	17 0	2 10	7 42	0 49	22 54	0 3	14 33	5 55	23 21	23 26	20 11			n.a.
W25	11 23	19 11	4 27	21 3	1 36	15 26	1 24	22 0	4 17	22 12	0 7	17 2	2 10	7 43	0 49	22 54	0 3	14 33	5 55	23 21	23 26	20 13			n.a.
T 26	11 2	22 37	3 42	20 50	1 42	15 2	1 25	22 4	4 15	22 13	0 7	17 3	2 10	7 44	0 49	22 53	0 3	14 33	5 55	23 21	23 26	20 15			n.a.
F 27	10 40	24 39	2 43	20 35	1 48	14 37	1 25	22 7	4 13	22 13	0 7	17 5	2 10	7 45	0 49	22 53	0 3	14 33	5 55	23 21	23 26	20 16			n.a.
S 28	10s19	25s 6	1s36	20s19	1s53	14s11	1s25	22n10	4n11	22n14	0n 7	17n 6	2n10	7n46	0n49	22s53	0n 3	14s33	5n55	23s21	23s27	20n18			n.a.

Julian Day Number = 1551247.5, Delta T = 04h30m41s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'26, Lahiri = -10°23'25 Julian Calendar 1 Feb. 466 BCE == Greg. Calendar 27 Jan. 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

MARCH 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 10 18	4♓35'50	5♉55	9♒25	27♒42	9°R 5	9♊15	19°R47	12°R17	14♉40	29♏37	10°R13	8♉55	14♉14	n.a.	S 1
M 2	10 14 15	5°34'52	19°31	10°50	28°56	8♌48	9°19	19♌42	12♍14	14°41	29°37	10♉12	8°52	14°21	n.a.	M 2
T 3	10 18 11	6°33'51	2♒56	12°16	0♓11	8°32	9°23	19°38	12°12	14°43	29°37	10°10	8°49	14°27	n.a.	T 3
W 4	10 22 8	7°32'48	16°11	13°44	1°25	8°16	9°28	19°34	12° 9	14°44	29°37	10° 5	8°46	14°34	n.a.	W 4
T 5	10 26 5	8°31'43	29°14	15°13	2°39	8° 1	9°32	19°29	12° 7	14°46	29°37	9°58	8°43	14°41	n.a.	T 5
F 6	10 30 1	9°30'37	12♓ 5	16°45	3°53	7°47	9°37	19°25	12° 4	14°48	29°37	9°48	8°39	14°47	n.a.	F 6
S 7	10 33 58	10°29'28	24°42	18°17	5° 8	7°34	9°42	19°21	12° 1	14°49	29°37	9°37	8°36	14°54	n.a.	S 7
S 8	10 37 54	11°28'16	7♈ 7	19°51	6°22	7°22	9°47	19°17	11°59	14°50	29°R37	9°26	8°33	15° 1	n.a.	S 8
M 9	10 41 51	12°27'03	19°20	21°27	7°36	7°10	9°52	19°12	11°56	14°52	29°37	9°15	8°30	15° 8	n.a.	M 9
T 10	10 45 47	13°25'47	1♉22	23° 4	8°50	6°59	9°57	19° 8	11°54	14°53	29°37	9° 6	8°27	15°14	n.a.	T 10
W11	10 49 44	14°24'29	13°17	24°43	10° 4	6°49	10° 2	19° 4	11°51	14°55	29°37	8°59	8°23	15°21	n.a.	W11
T 12	10 53 40	15°23'09	25° 7	26°24	11°19	6°40	10° 8	19° 0	11°48	14°56	29°37	8°55	8°20	15°28	n.a.	T 12
F 13	10 57 37	16°21'47	6♊57	28° 6	12°33	6°31	10°14	18°57	11°46	14°57	29°37	8°53	8°17	15°34	n.a.	F 13
S 14	11 1 33	17°20'22	18°53	29°49	13°47	6°23	10°20	18°53	11°43	14°59	29°37	8°D52	8°14	15°41	n.a.	S 14
S 15	11 5 30	18°18'55	0♋59	1♓34	15° 1	6°16	10°26	18°49	11°41	15° 0	29°37	8°53	8°11	15°48	n.a.	S 15
M16	11 9 27	19°17'26	13°21	3°21	16°15	6°10	10°32	18°45	11°38	15° 1	29°36	8°R53	8° 8	15°54	n.a.	M16
T 17	11 13 23	20°15'54	26° 4	5° 9	17°29	6° 5	10°38	18°42	11°36	15° 2	29°36	8°51	8° 4	16° 1	n.a.	T 17
W18	11 17 20	21°14'21	9♌12	6°59	18°43	6° 0	10°45	18°38	11°33	15° 4	29°36	8°48	8° 1	16° 8	n.a.	W18
T 19	11 21 16	22°12'45	22°46	8°51	19°57	5°57	10°51	18°34	11°31	15° 5	29°36	8°42	7°58	16°14	n.a.	T 19
F 20	11 25 13	23°11'06	6♍46	10°44	21°11	5°54	10°58	18°31	11°28	15° 6	29°35	8°34	7°55	16°21	n.a.	F 20
S 21	11 29 9	24° 9'26	21° 9	12°39	22°25	5°51	11° 5	18°28	11°26	15° 7	29°35	8°24	7°52	16°28	n.a.	S 21
S 22	11 33 6	25° 7'44	5♎50	14°35	23°39	5°50	11°12	18°24	11°23	15° 8	29°34	8°12	7°49	16°35	n.a.	S 22
M23	11 37 2	26° 6'00	20°40	16°33	24°53	5°D49	11°19	18°21	11°21	15° 9	29°34	8° 2	7°45	16°41	n.a.	M23
T 24	11 40 59	27° 4'14	5♏30	18°32	26° 7	5°49	11°27	18°18	11°18	15°10	29°33	7°53	7°42	16°48	n.a.	T 24
W25	11 44 56	28° 2'26	20°13	20°33	27°21	5°50	11°34	18°15	11°16	15°11	29°33	7°46	7°39	16°55	n.a.	W25
T 26	11 48 52	29° 0'37	4♐43	22°36	28°35	5°52	11°42	18°12	11°13	15°12	29°32	7°42	7°36	17° 1	n.a.	T 26
F 27	11 52 49	29°58'47	18°56	24°40	29°49	5°54	11°49	18° 9	11°11	15°13	29°32	7°41	7°33	17° 8	n.a.	F 27
S 28	11 56 45	0♈56'55	2♉51	26°45	1♈ 3	5°57	11°57	18° 6	11° 9	15°14	29°31	7°41	7°29	17°15	n.a.	S 28
S 29	12 0 42	1°55'01	16°29	28°51	2°17	6° 1	12° 5	18° 3	11° 6	15°15	29°31	7°41	7°26	17°21	n.a.	S 29
M30	12 4 38	2°53'06	29°50	0♈59	3°31	6° 5	12°13	18° 1	11° 4	15°15	29°30	7°39	7°23	17°28	n.a.	M30
T 31	12 8 35	3♈51'09	12♒57	3♈ 7	4♈45	6♌10	12♊21	17♌58	11♍ 2	15♉16	29♏29	7♉36	7♉20	17♉35	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
S 1	9s57	24s 0	0s23	20s 1	1s58	13s46	1s25	22n13	4n 9	22n15	0n 7	17n 8	2n10	7n47	0n49	22s53	0n 3	14s33	5n55	23s21	23s27	20n19			n.a.	S 1
M 2	9 35	21 30	0n50	19 42	2 3	13 20	1 26	22 16	4 7	22 16	0 7	17 9	2 10	7 48	0 49	22 53	0 3	14 33	5 55	23 21	23 27	20 21			n.a.	M 2
T 3	9 13	17 50	1 59	19 22	2 6	12 53	1 26	22 18	4 5	22 16	0 7	17 11	2 10	7 49	0 49	22 52	0 3	14 33	5 55	23 21	23 27	20 22			n.a.	T 3
W 4	8 51	13 20	3 0	18 59	2 10	12 27	1 26	22 20	4 2	22 17	0 8	17 12	2 10	7 50	0 49	22 52	0 3	14 33	5 56	23 22	23 27	20 24			n.a.	W 4
T 5	8 29	8 17	3 51	18 36	2 13	11 59	1 26	22 22	4 0	22 18	0 8	17 13	2 10	7 51	0 49	22 52	0 3	14 33	5 56	23 22	23 28	20 26			n.a.	T 5
F 6	8 6	2 59	4 29	18 10	2 15	11 32	1 26	22 23	3 58	22 19	0 8	17 15	2 10	7 52	0 49	22 52	0 3	14 32	5 56	23 23	23 28	20 27			n.a.	F 6
S 7	7 44	2n21	4 53	17 43	2 17	11 4	1 25	22 24	3 55	22 19	0 8	17 16	2 10	7 53	0 49	22 52	0 3	14 32	5 56	23 24	23 28	20 29			n.a.	S 7
S 8	7 21	7 29	5 3	17 15	2 19	10 37	1 25	22 25	3 53	22 20	0 8	17 17	2 10	7 54	0 49	22 52	0 3	14 32	5 56	23 25	23 28	20 30			n.a.	S 8
M 9	6 59	12 15	4 59	16 44	2 20	10 8	1 25	22 26	3 51	22 21	0 8	17 19	2 10	7 55	0 49	22 52	0 3	14 32	5 56	23 25	23 29	20 32			n.a.	M 9
T 10	6 36	16 29	4 41	16 13	2 20	9 40	1 24	22 26	3 48	22 22	0 8	17 20	2 10	7 56	0 49	22 51	0 3	14 32	5 56	23 26	23 29	20 33			n.a.	T 10
W11	6 13	20 1	4 11	15 39	2 20	9 11	1 24	22 27	3 46	22 23	0 8	17 21	2 10	7 57	0 49	22 51	0 3	14 32	5 56	23 27	23 29	20 35			n.a.	W11
T 12	5 50	22 42	3 31	15 4	2 20	8 42	1 24	22 27	3 43	22 24	0 8	17 22	2 10	7 58	0 49	22 51	0 3	14 32	5 56	23 27	23 29	20 36			n.a.	T 12
F 13	5 27	24 24	2 41	14 27	2 19	8 13	1 23	22 26	3 40	22 25	0 8	17 24	2 10	7 59	0 49	22 51	0 3	14 32	5 56	23 27	23 29	20 38			n.a.	F 13
S 14	5 4	25 1	1 44	13 49	2 17	7 44	1 22	22 26	3 38	22 26	0 9	17 25	2 10	8 0	0 49	22 51	0 3	14 32	5 56	23 27	23 30	20 39			n.a.	S 14
S 15	4 41	24 27	0 42	13 9	2 15	7 14	1 22	22 25	3 35	22 27	0 9	17 26	2 10	8 1	0 49	22 51	0 3	14 32	5 57	23 27	23 30	20 41			n.a.	S 15
M16	4 18	22 41	0s24	12 28	2 13	6 44	1 21	22 24	3 33	22 28	0 9	17 27	2 10	8 2	0 49	22 51	0 3	14 31	5 57	23 27	23 30	20 42			n.a.	M16
T 17	3 54	19 44	1 30	11 45	2 9	6 14	1 20	22 23	3 30	22 29	0 9	17 28	2 10	8 3	0 49	22 50	0 3	14 31	5 57	23 27	23 30	20 44			n.a.	T 17
W18	3 31	15 43	2 34	11 0	2 6	5 44	1 19	22 22	3 27	22 30	0 9	17 29	2 10	8 4	0 49	22 50	0 3	14 31	5 57	23 27	23 30	20 45			n.a.	W18
T 19	3 8	10 48	3 30	10 14	2 2	5 14	1 19	22 20	3 25	22 31	0 9	17 30	2 10	8 5	0 49	22 50	0 3	14 31	5 57	23 28	23 31	20 47			n.a.	T 19
F 20	2 44	5 11	4 17	9 26	1 57	4 43	1 18	22 18	3 22	22 32	0 9	17 31	2 9	8 6	0 49	22 50	0 3	14 31	5 57	23 28	23 31	20 48			n.a.	F 20
S 21	2 21	0s51	4 48	8 37	1 52	4 13	1 17	22 16	3 19	22 33	0 9	17 32	2 9	8 7	0 49	22 50	0 3	14 31	5 57	23 29	23 31	20 50			n.a.	S 21
S 22	1 58	6 56	5 1	7 46	1 46	3 42	1 16	22 14	3 17	22 34	0 9	17 33	2 9	8 8	0 49	22 50	0 3	14 31	5 57	23 30	23 31	20 51			n.a.	S 22
M23	1 34	12 42	4 54	6 54	1 39	3 12	1 14	22 12	3 14	22 35	0 9	17 34	2 9	8 9	0 49	22 50	0 3	14 30	5 57	23 30	23 31	20 52			n.a.	M23
T 24	1 11	17 43	4 27	6 0	1 33	2 41	1 13	22 9	3 11	22 36	0 9	17 35	2 9	8 10	0 49	22 50	0 3	14 30	5 57	23 31	23 31	20 54			n.a.	T 24
W25	0 47	21 36	3 43	5 6	1 25	2 10	1 12	22 6	3 9	22 37	0 10	17 36	2 9	8 11	0 48	22 50	0 3	14 30	5 57	23 31	23 32	20 55			n.a.	W25
T 26	0 24	24 3	2 45	4 9	1 17	1 39	1 11	22 3	3 6	22 39	0 10	17 37	2 9	8 12	0 48	22 49	0 3	14 30	5 57	23 31	23 32	20 57			n.a.	T 26
F 27	0 0	24 54	1 37	3 12	1 9	1 8	1 9	22 0	3 4	22 40	0 10	17 38	2 9	8 13	0 48	22 49	0 3	14 30	5 57	23 32	23 32	20 58			n.a.	F 27
S 28	0n23	24 9	0 26	2 14	1 0	0 37	1 8	21 57	3 1	22 41	0 10	17 38	2 9	8 14	0 48	22 49	0 3	14 29	5 58	23 32	23 32	21 0			n.a.	S 28
S 29	0 46	21 57	0n46	1 15	0 51	0 6	1 6	21 53	2 58	22 42	0 10	17 39	2 9	8 14	0 48	22 49	0 3	14 29	5 58	23 32	23 32	21 1			n.a.	S 29
M30	1 10	18 35	1 54	0 15	0 42	0n25	1 5	21 50	2 56	22 43	0 10	17 40	2 9	8 15	0 48	22 49	0 3	14 29	5 58	23 32	23 33	21 2			n.a.	M30
T 31	1n33	14s21	2n55	0n46	0s32	0n57	1s 3	21n46	2n53	22n44	0n10	17n41	2n 8	8n16	0n48	22s49	0n 3	14s29	5n58	23s32	23s33	21n 4			n.a.	T 31

Julian Day Number = 1551275.5, Delta T = 04h30m40s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'22, Lahiri = -10°23'22 Julian Calendar 1 March 466 BCE == Greg. Calendar 24 Feb. 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

APRIL 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 12 31	4♈49'11	25♒52	5♈16	5♈59	6♌16	12♊30	17°R56	10°R59	15♑17	29°R29	7°R30	7♑17	17♉41	n.a.	W 1
T 2	12 16 28	5°47'11	8♓35	7°25	7°13	6°23	12°38	17♌53	10♍57	15°18	29♏28	7♑20	7°14	17°48	n.a.	T 2
F 3	12 20 24	6°45'09	21° 7	9°35	8°27	6°30	12°47	17°51	10°55	15°18	29°27	7° 9	7°10	17°55	n.a.	F 3
S 4	12 24 21	7°43'06	3♈30	11°45	9°41	6°37	12°56	17°49	10°52	15°19	29°26	6°55	7° 7	18° 2	n.a.	S 4
S 5	12 28 18	8°41'02	15°43	13°54	10°54	6°46	13° 4	17°47	10°50	15°20	29°26	6°42	7° 4	18° 8	n.a.	S 5
M 6	12 32 14	9°38'55	27°47	16° 3	12° 8	6°55	13°13	17°45	10°48	15°20	29°25	6°28	7° 1	18°15	n.a.	M 6
T 7	12 36 11	10°36'47	9♉44	18°11	13°22	7° 5	13°22	17°43	10°46	15°21	29°24	6°17	6°58	18°22	n.a.	T 7
W 8	12 40 7	11°34'37	21°35	20°18	14°36	7°15	13°32	17°41	10°44	15°21	29°23	6° 8	6°55	18°28	n.a.	W 8
T 9	12 44 4	12°32'26	3♊24	22°23	15°50	7°26	13°41	17°39	10°42	15°22	29°22	6° 2	6°51	18°35	n.a.	T 9
F 10	12 48 0	13°30'13	15°13	24°27	17° 4	7°37	13°50	17°37	10°40	15°22	29°21	5°58	6°48	18°42	n.a.	F 10
S 11	12 51 57	14°27'58	27° 7	26°29	18°17	7°49	14° 0	17°36	10°38	15°23	29°20	5°57	6°45	18°48	n.a.	S 11
S 12	12 55 53	15°25'41	9♋12	28°28	19°31	8° 2	14° 9	17°34	10°36	15°23	29°19	5°56	6°42	18°55	n.a.	S 12
M13	12 59 50	16°23'22	21°32	0♉26	20°45	8°15	14°19	17°33	10°34	15°24	29°18	5°56	6°39	19° 2	n.a.	M13
T 14	13 3 47	17°21'02	4♌12	2°20	21°59	8°29	14°29	17°32	10°32	15°24	29°17	5°55	6°35	19° 8	n.a.	T 14
W15	13 7 43	18°18'40	17°18	4°12	23°13	8°43	14°39	17°31	10°30	15°24	29°16	5°53	6°32	19°15	n.a.	W15
T 16	13 11 40	19°16'17	0♍52	6° 1	24°26	8°58	14°49	17°30	10°28	15°24	29°15	5°47	6°29	19°22	n.a.	T 16
F 17	13 15 36	20°13'51	14°56	7°48	25°40	9°13	14°59	17°29	10°26	15°25	29°14	5°40	6°26	19°28	n.a.	F 17
S 18	13 19 33	21°11'24	29°27	9°31	26°54	9°29	15° 9	17°28	10°25	15°25	29°13	5°30	6°23	19°35	n.a.	S 18
S 19	13 23 29	22° 8'56	14♎21	11°11	28° 7	9°45	15°19	17°27	10°23	15°25	29°12	5°20	6°20	19°42	n.a.	S 19
M20	13 27 26	23° 6'27	29°27	12°48	29°21	10° 2	15°29	17°26	10°21	15°25	29°11	5°10	6°16	19°49	n.a.	M20
T 21	13 31 22	24° 3'56	14♏37	14°22	0♉35	10°19	15°40	17°26	10°20	15°25	29° 9	5° 1	6°13	19°55	n.a.	T 21
W22	13 35 19	25° 1'24	29°41	15°52	1°48	10°37	15°50	17°25	10°18	15°25	29° 8	4°55	6°10	20° 2	n.a.	W22
T 23	13 39 16	25°58'51	14♐28	17°19	3° 2	10°55	16° 1	17°25	10°17	15°25	29° 7	4°51	6° 7	20° 9	n.a.	T 23
F 24	13 43 12	26°56'18	28°56	18°43	4°16	11°14	16°12	17°25	10°15	15°R25	29° 6	4°D50	6° 4	20°15	n.a.	F 24
S 25	13 47 9	27°53'43	12♑59	20° 4	5°29	11°33	16°22	17°25	10°14	15°25	29° 4	4°50	6° 0	20°22	n.a.	S 25
S 26	13 51 5	28°51'08	26°39	21°21	6°43	11°52	16°33	17°D25	10°12	15°25	29° 3	4°R50	5°57	20°29	n.a.	S 26
M27	13 55 2	29°48'32	9♒58	22°35	7°57	12°12	16°44	17°25	10°11	15°25	29° 2	4°50	5°54	20°35	n.a.	M27
T 28	13 58 58	0♉45'55	22°57	23°45	9°10	12°32	16°55	17°25	10° 9	15°25	29° 1	4°48	5°51	20°42	n.a.	T 28
W29	14 2 55	1°43'17	5♓40	24°52	10°24	12°53	17° 6	17°25	10° 8	15°25	28°59	4°43	5°48	20°49	n.a.	W29
T 30	14 6 51	2♉40'38	18♓10	25♉55	11♉38	13♌14	17♊17	17♌25	10♍ 7	15♑25	28♏58	4♑36	5♑45	20♉55	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1n56	9s32	3n45	1n47	0s22	1n28	1s 2	21n42	2n51	22n46	0n10	17n41	2n 8	8n17	0n48	22s49	0n 3	14s29	5n58	23s32	23s33	21n 5		n.a.
T 2	2 20	4 24	4 23	2 49	0 11	1 59	1 0	21 38	2 48	22 47	0 10	17 42	2 8	8 18	0 48	22 49	0 3	14 28	5 58	23 33	23 33	21 7		n.a.
F 3	2 43	0n51	4 48	3 50	0 1	2 30	0 59	21 34	2 46	22 48	0 10	17 43	2 8	8 19	0 48	22 49	0 3	14 28	5 58	23 33	23 33	21 8		n.a.
S 4	3 6	5 58	4 59	4 51	0n10	3 1	0 57	21 29	2 43	22 49	0 10	17 43	2 8	8 20	0 48	22 49	0 3	14 28	5 58	23 34	23 33	21 9		n.a.
S 5	3 29	10 48	4 56	5 52	0 21	3 32	0 55	21 25	2 41	22 50	0 11	17 44	2 8	8 20	0 48	22 49	0 3	14 28	5 58	23 35	23 34	21 11		n.a.
M 6	3 52	15 10	4 40	6 53	0 31	4 3	0 53	21 20	2 38	22 52	0 11	17 44	2 8	8 21	0 48	22 49	0 3	14 28	5 58	23 35	23 34	21 12		n.a.
T 7	4 15	18 53	4 11	7 52	0 42	4 33	0 51	21 15	2 36	22 53	0 11	17 45	2 8	8 22	0 48	22 49	0 3	14 27	5 58	23 36	23 34	21 13		n.a.
W 8	4 38	21 48	3 32	8 50	0 52	5 4	0 49	21 10	2 33	22 54	0 11	17 45	2 8	8 23	0 48	22 49	0 3	14 27	5 58	23 36	23 34	21 15		n.a.
T 9	5 1	23 46	2 43	9 47	1 3	5 35	0 48	21 5	2 31	22 55	0 11	17 46	2 7	8 24	0 48	22 48	0 3	14 27	5 58	23 37	23 34	21 16		n.a.
F 10	5 24	24 42	1 47	10 43	1 12	6 5	0 46	21 0	2 29	22 56	0 11	17 46	2 7	8 24	0 48	22 48	0 3	14 27	5 58	23 37	23 34	21 17		n.a.
S 11	5 46	24 30	0 47	11 37	1 22	6 36	0 44	20 54	2 26	22 58	0 11	17 46	2 7	8 25	0 48	22 48	0 3	14 26	5 58	23 37	23 35	21 19		n.a.
S 12	6 9	23 8	0s17	12 29	1 31	7 6	0 42	20 49	2 24	22 59	0 11	17 47	2 7	8 26	0 48	22 48	0 3	14 26	5 58	23 37	23 35	21 20		n.a.
M13	6 32	20 40	1 22	13 19	1 39	7 36	0 39	20 43	2 22	23 0	0 11	17 47	2 7	8 27	0 48	22 48	0 3	14 26	5 58	23 37	23 35	21 21		n.a.
T 14	6 54	17 8	2 24	14 7	1 47	8 6	0 37	20 37	2 19	23 1	0 11	17 47	2 7	8 27	0 48	22 48	0 3	14 26	5 58	23 37	23 35	21 23		n.a.
W15	7 16	12 40	3 21	14 52	1 54	8 35	0 35	20 31	2 17	23 3	0 11	17 48	2 7	8 28	0 48	22 48	0 3	14 25	5 58	23 37	23 35	21 24		n.a.
T 16	7 38	7 27	4 8	15 36	2 1	9 5	0 33	20 25	2 15	23 4	0 11	17 48	2 6	8 29	0 48	22 48	0 3	14 25	5 58	23 37	23 35	21 25		n.a.
F 17	8 0	1 40	4 42	16 17	2 7	9 34	0 31	20 19	2 13	23 5	0 12	17 48	2 6	8 29	0 48	22 48	0 3	14 25	5 58	23 38	23 36	21 27		n.a.
S 18	8 22	4s21	5 0	16 56	2 12	10 3	0 29	20 12	2 10	23 6	0 12	17 48	2 6	8 30	0 48	22 48	0 3	14 25	5 58	23 38	23 36	21 28		n.a.
S 19	8 44	10 17	4 58	17 32	2 16	10 32	0 26	20 6	2 8	23 8	0 12	17 48	2 6	8 31	0 48	22 48	0 3	14 24	5 58	23 39	23 36	21 29		n.a.
M20	9 6	15 42	4 35	18 6	2 20	11 1	0 24	19 59	2 6	23 9	0 12	17 48	2 6	8 31	0 48	22 48	0 3	14 24	5 58	23 39	23 36	21 31		n.a.
T 21	9 27	20 9	3 53	18 38	2 23	11 29	0 22	19 52	2 4	23 10	0 12	17 48	2 6	8 32	0 48	22 48	0 3	14 24	5 58	23 39	23 36	21 32		n.a.
W22	9 49	23 12	2 55	19 7	2 25	11 57	0 20	19 45	2 2	23 11	0 12	17 48	2 6	8 32	0 48	22 48	0 3	14 24	5 58	23 40	23 36	21 33		n.a.
T 23	10 10	24 35	1 46	19 34	2 26	12 25	0 17	19 38	2 0	23 12	0 12	17 48	2 5	8 33	0 48	22 48	0 3	14 23	5 58	23 40	23 37	21 34		n.a.
F 24	10 31	24 16	0 31	19 58	2 27	12 52	0 15	19 31	1 57	23 14	0 12	17 48	2 5	8 33	0 48	22 48	0 3	14 23	5 59	23 40	23 37	21 36		n.a.
S 25	10 52	22 23	0n43	20 20	2 27	13 20	0 13	19 23	1 55	23 15	0 12	17 48	2 5	8 34	0 48	22 48	0 3	14 23	5 59	23 40	23 37	21 37		n.a.
S 26	11 12	19 15	1 53	20 40	2 25	13 46	0 10	19 16	1 53	23 16	0 12	17 48	2 5	8 34	0 48	22 48	0 3	14 23	5 59	23 40	23 37	21 38		n.a.
M27	11 33	15 10	2 56	20 58	2 23	14 13	0 8	19 8	1 51	23 17	0 12	17 48	2 5	8 35	0 48	22 48	0 3	14 22	5 58	23 40	23 37	21 39		n.a.
T 28	11 53	10 28	3 47	21 13	2 21	14 39	0 5	19 1	1 49	23 18	0 13	17 48	2 5	8 35	0 48	22 48	0 3	14 22	5 58	23 40	23 37	21 41		n.a.
W29	12 14	5 26	4 26	21 27	2 17	15 5	0 3	18 53	1 47	23 20	0 13	17 47	2 5	8 36	0 48	22 48	0 3	14 22	5 58	23 40	23 37	21 42		n.a.
T 30	12n34	0s16	4n52	21n38	2n13	15n31	0s 1	18n45	1n45	23n21	0n13	17n47	2n 4	8n36	0n48	22s48	0n 3	14s21	5n58	23s40	23s38	21n43		n.a.

Julian Day Number = 1551306.5, Delta T = 04h30m39s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'18, Lahiri = -10°23'17 Julian Calendar 1 Apr. 466 BCE == Greg. Calendar 27 March 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

MAY 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 10 48	3♉37'58	0♈28	26♉54	12♉51	13♌36	17♊29	17♌26	10°R 6	15°R25	28°R57	4°R27	5♑41	21♉ 2	n.a.	F 1
S 2	14 14 45	4°35'18	12°38	27°50	14° 5	13°57	17°40	17°26	10♍ 4	15♑24	28♏55	4♑17	5°38	21° 9	n.a.	S 2
S 3	14 18 41	5°32'37	24°40	28°41	15°18	14°20	17°51	17°27	10° 3	15°24	28°54	4° 6	5°35	21°15	n.a.	S 3
M 4	14 22 38	6°29'55	6♉36	29°29	16°32	14°42	18° 3	17°28	10° 2	15°24	28°52	3°55	5°32	21°22	n.a.	M 4
T 5	14 26 34	7°27'13	18°28	0♊13	17°46	15° 5	18°14	17°29	10° 1	15°24	28°51	3°46	5°29	21°29	n.a.	T 5
W 6	14 30 31	8°24'29	0♊17	0°53	18°59	15°28	18°26	17°30	10° 0	15°23	28°50	3°39	5°26	21°35	n.a.	W 6
T 7	14 34 27	9°21'45	12° 5	1°28	20°13	15°52	18°37	17°31	9°59	15°23	28°48	3°34	5°22	21°42	n.a.	T 7
F 8	14 38 24	10°19'00	23°56	2° 0	21°26	16°16	18°49	17°32	9°59	15°22	28°47	3°32	5°19	21°49	n.a.	F 8
S 9	14 42 20	11°16'14	5♋52	2°27	22°40	16°40	19° 1	17°33	9°58	15°22	28°45	3°D31	5°16	21°56	n.a.	S 9
S 10	14 46 17	12°13'27	17°58	2°49	23°53	17° 5	19°13	17°34	9°57	15°21	28°44	3°32	5°13	22° 2	n.a.	S 10
M11	14 50 14	13°10'39	0♌18	3° 7	25° 7	17°30	19°25	17°36	9°56	15°21	28°42	3°33	5°10	22° 9	n.a.	M11
T 12	14 54 10	14° 7'50	12°56	3°21	26°20	17°55	19°37	17°37	9°56	15°20	28°41	3°R34	5° 6	22°16	n.a.	T 12
W13	14 58 7	15° 5'01	25°59	3°30	27°34	18°21	19°49	17°39	9°55	15°20	28°39	3°33	5° 3	22°22	n.a.	W13
T 14	15 2 3	16° 2'10	9♍28	3°R34	28°47	18°47	20° 1	17°41	9°54	15°19	28°38	3°31	5° 0	22°29	n.a.	T 14
F 15	15 6 0	16°59'19	23°26	3°34	0♊ 1	19°13	20°13	17°43	9°54	15°18	28°36	3°27	4°57	22°36	n.a.	F 15
S 16	15 9 56	17°56'27	7♎52	3°29	1°14	19°39	20°25	17°45	9°53	15°18	28°35	3°21	4°54	22°42	n.a.	S 16
S 17	15 13 53	18°53'34	22°43	3°20	2°28	20° 6	20°37	17°47	9°53	15°17	28°33	3°15	4°51	22°49	n.a.	S 17
M18	15 17 49	19°50'40	7♏51	3° 7	3°41	20°33	20°49	17°49	9°53	15°16	28°32	3° 8	4°47	22°56	n.a.	M18
T 19	15 21 46	20°47'47	23° 7	2°50	4°55	21° 1	21° 2	17°51	9°52	15°16	28°30	3° 3	4°44	23° 2	n.a.	T 19
W20	15 25 43	21°44'53	8♐20	2°29	6° 8	21°28	21°14	17°53	9°52	15°15	28°29	2°59	4°41	23° 9	n.a.	W20
T 21	15 29 39	22°41'59	23°21	2° 4	7°22	21°56	21°26	17°56	9°52	15°14	28°27	2°57	4°38	23°16	n.a.	T 21
F 22	15 33 36	23°39'05	8♑ 1	1°37	8°35	22°24	21°39	17°58	9°52	15°13	28°26	2°D57	4°35	23°22	n.a.	F 22
S 23	15 37 32	24°36'10	22°17	1° 6	9°49	22°52	21°51	18° 1	9°52	15°12	28°24	2°58	4°32	23°29	n.a.	S 23
S 24	15 41 29	25°33'16	6♒ 6	0°34	11° 2	23°21	22° 4	18° 3	9°D52	15°11	28°23	2°59	4°28	23°36	n.a.	S 24
M25	15 45 25	26°30'22	19°29	29♉59	12°15	23°50	22°16	18° 6	9°52	15°10	28°21	3° 0	4°25	23°42	n.a.	M25
T 26	15 49 22	27°27'28	2♓30	29°25	13°29	24°19	22°29	18° 9	9°52	15°10	28°20	3°R 0	4°22	23°49	n.a.	T 26
W27	15 53 19	28°24'33	15°10	28°49	14°42	24°48	22°42	18°12	9°52	15° 9	28°18	2°59	4°19	23°56	n.a.	W27
T 28	15 57 15	29°21'40	27°33	28°14	15°56	25°18	22°54	18°15	9°52	15° 8	28°17	2°56	4°16	24° 2	n.a.	T 28
F 29	16 1 12	0♊18'46	9♈45	27°39	17° 9	25°47	23° 7	18°18	9°52	15° 7	28°15	2°52	4°12	24° 9	n.a.	F 29
S 30	16 5 8	1°15'52	21°46	27° 6	18°22	26°18	23°20	18°21	9°52	15° 6	28°13	2°47	4° 9	24°16	n.a.	S 30
S 31	16 9 5	2♊12'59	3♉41	26♉34	19♊36	26♌48	23♊33	18♌25	9♍53	15♑ 4	28♏12	2♑42	4♑ 6	24♉23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n53	4n49	5n 3	21n47	2n 7	15n56	0n 2	18n37	1n43	23n22	0n13	17n47	2n 4	8n37	0n47	22s48	0n 3	14s21	5n58	23s41	23s38	21n44		n.a.
S 2	13 13	9 39	5 1	21 54	2 1	16 20	0 4	18 28	1 42	23 23	0 13	17 46	2 4	8 37	0 47	22 48	0 3	14 21	5 58	23 41	23 38	21 45		n.a.
S 3	13 32	14 5	4 45	21 59	1 54	16 45	0 7	18 20	1 40	23 24	0 13	17 46	2 4	8 38	0 47	22 48	0 3	14 21	5 58	23 41	23 38	21 47		n.a.
M 4	13 52	17 55	4 16	22 2	1 46	17 9	0 9	18 11	1 38	23 25	0 13	17 46	2 4	8 38	0 47	22 49	0 3	14 20	5 58	23 42	23 38	21 48		n.a.
T 5	14 11	21 1	3 37	22 3	1 38	17 32	0 11	18 3	1 36	23 26	0 13	17 45	2 4	8 38	0 47	22 49	0 2	14 20	5 58	23 42	23 38	21 49		n.a.
W 6	14 29	23 13	2 49	22 2	1 28	17 55	0 14	17 54	1 34	23 28	0 13	17 45	2 3	8 39	0 47	22 49	0 2	14 20	5 58	23 42	23 38	21 50		n.a.
T 7	14 48	24 24	1 53	22 0	1 18	18 17	0 16	17 45	1 32	23 29	0 13	17 44	2 3	8 39	0 47	22 49	0 2	14 20	5 58	23 42	23 38	21 51		n.a.
F 8	15 6	24 28	0 51	21 55	1 7	18 40	0 19	17 36	1 30	23 30	0 13	17 44	2 3	8 39	0 47	22 49	0 2	14 19	5 58	23 42	23 39	21 53		n.a.
S 9	15 24	23 25	0s13	21 49	0 55	19 1	0 21	17 27	1 29	23 31	0 13	17 43	2 3	8 40	0 47	22 49	0 2	14 19	5 58	23 42	23 39	21 54		n.a.
S 10	15 42	21 15	1 17	21 41	0 42	19 22	0 24	17 18	1 27	23 32	0 14	17 43	2 3	8 40	0 47	22 49	0 2	14 19	5 58	23 42	23 39	21 55		n.a.
M11	16 0	18 5	2 19	21 32	0 29	19 43	0 26	17 8	1 25	23 33	0 14	17 42	2 3	8 40	0 47	22 49	0 2	14 18	5 58	23 42	23 39	21 56		n.a.
T 12	16 17	14 1	3 16	21 21	0 15	20 3	0 28	16 59	1 23	23 34	0 14	17 42	2 2	8 40	0 47	22 49	0 2	14 18	5 58	23 42	23 39	21 57		n.a.
W13	16 34	9 11	4 5	21 8	0 0	20 22	0 31	16 49	1 22	23 35	0 14	17 41	2 2	8 40	0 47	22 49	0 2	14 18	5 58	23 42	23 39	21 58		n.a.
T 14	16 51	3 46	4 42	20 54	0s15	20 41	0 33	16 39	1 20	23 36	0 14	17 40	2 2	8 41	0 47	22 49	0 2	14 18	5 58	23 42	23 39	22 0		n.a.
F 15	17 8	2s 0	5 4	20 39	0 30	21 0	0 35	16 29	1 18	23 37	0 14	17 39	2 2	8 41	0 47	22 49	0 2	14 17	5 58	23 42	23 39	22 1		n.a.
S 16	17 24	7 52	5 8	20 22	0 46	21 17	0 38	16 19	1 16	23 38	0 14	17 39	2 2	8 41	0 47	22 49	0 2	14 17	5 58	23 43	23 40	22 2		n.a.
S 17	17 40	13 26	4 51	20 4	1 3	21 35	0 40	16 9	1 15	23 39	0 14	17 38	2 2	8 41	0 47	22 49	0 2	14 17	5 58	23 43	23 40	22 3		n.a.
M18	17 56	18 18	4 14	19 45	1 19	21 51	0 42	15 59	1 13	23 40	0 14	17 37	2 2	8 41	0 47	22 50	0 2	14 17	5 58	23 43	23 40	22 4		n.a.
T 19	18 11	22 0	3 19	19 26	1 36	22 7	0 44	15 48	1 11	23 41	0 14	17 36	2 1	8 41	0 47	22 50	0 2	14 16	5 58	23 43	23 40	22 5		n.a.
W20	18 26	24 7	2 10	19 5	1 52	22 23	0 47	15 38	1 10	23 42	0 14	17 35	2 1	8 41	0 47	22 50	0 2	14 16	5 58	23 43	23 40	22 6		n.a.
T 21	18 41	24 27	0 52	18 44	2 9	22 37	0 49	15 27	1 8	23 43	0 14	17 35	2 1	8 41	0 47	22 50	0 2	14 16	5 57	23 43	23 40	22 7		n.a.
F 22	18 56	23 3	0n28	18 23	2 25	22 52	0 51	15 17	1 7	23 44	0 15	17 34	2 1	8 41	0 47	22 50	0 2	14 16	5 57	23 43	23 40	22 8		n.a.
S 23	19 10	20 11	1 43	18 2	2 40	23 5	0 53	15 6	1 5	23 44	0 15	17 33	2 1	8 41	0 47	22 50	0 2	14 15	5 57	23 43	23 40	22 9		n.a.
S 24	19 24	16 14	2 51	17 41	2 55	23 18	0 55	14 55	1 4	23 45	0 15	17 32	2 1	8 41	0 47	22 50	0 2	14 15	5 57	23 43	23 41	22 11		n.a.
M25	19 38	11 35	3 47	17 20	3 9	23 30	0 57	14 44	1 2	23 46	0 15	17 31	2 1	8 41	0 46	22 50	0 2	14 15	5 57	23 43	23 41	22 12		n.a.
T 26	19 51	6 33	4 29	16 59	3 23	23 42	0 59	14 32	1 0	23 47	0 15	17 30	2 0	8 41	0 46	22 50	0 2	14 15	5 57	23 43	23 41	22 13		n.a.
W27	20 4	1 22	4 57	16 40	3 35	23 52	1 1	14 21	0 59	23 48	0 15	17 29	2 0	8 41	0 46	22 51	0 2	14 14	5 57	23 43	23 41	22 14		n.a.
T 28	20 17	3n45	5 10	16 21	3 46	24 2	1 3	14 9	0 57	23 49	0 15	17 27	2 0	8 41	0 46	22 51	0 2	14 14	5 57	23 43	23 41	22 15		n.a.
F 29	20 29	8 38	5 10	16 4	3 55	24 12	1 5	13 58	0 56	23 49	0 15	17 26	2 0	8 41	0 46	22 51	0 2	14 14	5 57	23 43	23 41	22 16		n.a.
S 30	20 41	13 8	4 55	15 49	4 4	24 21	1 7	13 46	0 54	23 50	0 15	17 25	2 0	8 41	0 46	22 51	0 2	14 14	5 57	23 43	23 41	22 17		n.a.
S 31	20n53	17n 6	4n28	15n35	4s11	24n29	1n 9	13n34	0n53	23n51	0n15	17n24	2n 0	8n41	0n46	22s51	0n 2	14s14	5n56	23s43	23s41	22n18		n.a.

Julian Day Number = 1551336.5, Delta T = 04h30m38s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'14, Lahiri = -10°23'13 Julian Calendar 1 May 466 BCE == Greg. Calendar 26 Apr. 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

JUNE 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 13 1	3♊10'06	15♉32	26°R 5	20♊49	27♌18	23♊45	18♌28	9♍53	15°R 3	28°R10	2°R37	4♑ 3	24♉29	n.a.	M 1
T 2	16 16 58	4° 7'13	27°21	25♉39	22° 2	27°49	23°58	18°32	9°54	15♑ 2	28♏ 9	2♑32	4° 0	24°36	n.a.	T 2
W 3	16 20 54	5° 4'21	9♊10	25°16	23°16	28°20	24°11	18°35	9°54	15° 1	28° 7	2°29	3°57	24°43	n.a.	W 3
T 4	16 24 51	6° 1'28	21° 2	24°58	24°29	28°51	24°24	18°39	9°55	15° 0	28° 6	2°27	3°53	24°49	n.a.	T 4
F 5	16 28 48	6°58'36	2♋58	24°43	25°42	29°22	24°37	18°43	9°55	14°59	28° 4	2°D27	3°50	24°56	n.a.	F 5
S 6	16 32 44	7°55'44	15° 1	24°33	26°56	29°54	24°50	18°46	9°56	14°58	28° 3	2°27	3°47	25° 3	n.a.	S 6
S 7	16 36 41	8°52'51	27°14	24°28	28° 9	0♍26	25° 3	18°50	9°56	14°56	28° 1	2°28	3°44	25° 9	n.a.	S 7
M 8	16 40 37	9°49'59	9♌40	24°D27	29°22	0°58	25°16	18°54	9°57	14°55	28° 0	2°30	3°41	25°16	n.a.	M 8
T 9	16 44 34	10°47'07	22°22	24°32	0♋36	1°30	25°29	18°58	9°58	14°54	27°58	2°31	3°38	25°23	n.a.	T 9
W10	16 48 30	11°44'15	5♍24	24°42	1°49	2° 2	25°42	19° 3	9°59	14°53	27°57	2°32	3°34	25°29	n.a.	W10
T 11	16 52 27	12°41'23	18°49	24°57	3° 2	2°35	25°55	19° 7	10° 0	14°51	27°55	2°R32	3°31	25°36	n.a.	T 11
F 12	16 56 23	13°38'31	2♎39	25°18	4°15	3° 7	26° 8	19°11	10° 1	14°50	27°54	2°31	3°28	25°43	n.a.	F 12
S 13	17 0 20	14°35'40	16°54	25°43	5°29	3°40	26°22	19°15	10° 2	14°49	27°52	2°30	3°25	25°49	n.a.	S 13
S 14	17 4 17	15°32'48	1♏31	26°15	6°42	4°13	26°35	19°20	10° 3	14°47	27°51	2°28	3°22	25°56	n.a.	S 14
M15	17 8 13	16°29'57	16°26	26°51	7°55	4°47	26°48	19°24	10° 4	14°46	27°49	2°26	3°18	26° 3	n.a.	M15
T 16	17 12 10	17°27'07	1♐32	27°33	9° 8	5°20	27° 1	19°29	10° 5	14°44	27°48	2°24	3°15	26° 9	n.a.	T 16
W17	17 16 6	18°24'17	16°40	28°21	10°21	5°54	27°14	19°34	10° 6	14°43	27°46	2°23	3°12	26°16	n.a.	W17
T 18	17 20 3	19°21'27	1♑40	29°13	11°35	6°27	27°27	19°38	10° 7	14°42	27°45	2°D23	3° 9	26°23	n.a.	T 18
F 19	17 23 59	20°18'39	16°25	0♊11	12°48	7° 1	27°41	19°43	10° 9	14°40	27°44	2°23	3° 6	26°29	n.a.	F 19
S 20	17 27 56	21°15'51	0♒48	1°14	14° 1	7°35	27°54	19°48	10°10	14°39	27°42	2°24	3° 3	26°36	n.a.	S 20
S 21	17 31 53	22°13'04	14°45	2°21	15°14	8°10	28° 7	19°53	10°12	14°37	27°41	2°25	2°59	26°43	n.a.	S 21
M22	17 35 49	23°10'18	28°16	3°34	16°27	8°44	28°20	19°58	10°13	14°36	27°40	2°25	2°56	26°49	n.a.	M22
T 23	17 39 46	24° 7'33	11♓22	4°52	17°40	9°19	28°34	20° 3	10°14	14°34	27°38	2°26	2°53	26°56	n.a.	T 23
W24	17 43 42	25° 4'49	24° 5	6°14	18°53	9°54	28°47	20° 8	10°16	14°33	27°37	2°R26	2°50	27° 3	n.a.	W24
T 25	17 47 39	26° 2'06	6♈28	7°41	20° 7	10°28	29° 0	20°13	10°18	14°31	27°36	2°26	2°47	27° 9	n.a.	T 25
F 26	17 51 35	26°59'24	18°37	9°12	21°20	11° 4	29°13	20°19	10°19	14°30	27°34	2°26	2°43	27°16	n.a.	F 26
S 27	17 55 32	27°56'43	0♉36	10°47	22°33	11°39	29°27	20°24	10°21	14°28	27°33	2°25	2°40	27°23	n.a.	S 27
S 28	17 59 28	28°54'04	12°27	12°27	23°46	12°14	29°40	20°30	10°23	14°27	27°32	2°25	2°37	27°29	n.a.	S 28
M29	18 3 25	29°51'26	24°16	14°10	24°59	12°50	29°53	20°35	10°25	14°25	27°30	2°24	2°34	27°36	n.a.	M29
T 30	18 7 22	0♋48'49	6♊ 6	15♊56	26♋12	13♍25	0♋ 7	20♌41	10♍26	14♑23	27♏29	2♑24	2♑31	27♉43	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n 4	20n21	3n49	15n23	4s16	24n36	1n10	13n22	0n52	23n52	0n15	17n23	2n 0	8n40	0n46	22s51	0n 2	14s13	5n56	23s44	23s41	22n19		n.a.
T 2	21 15	22 45	3 1	15 13	4 20	24 42	1 12	13 10	0 50	23 52	0 15	17 22	1 59	8 40	0 46	22 51	0 2	14 13	5 56	23 44	23 41	22 20		n.a.
W 3	21 25	24 10	2 4	15 5	4 23	24 48	1 14	12 58	0 49	23 53	0 16	17 20	1 59	8 40	0 46	22 51	0 2	14 13	5 56	23 44	23 42	22 21		n.a.
T 4	21 36	24 29	1 2	15 0	4 24	24 53	1 15	12 46	0 47	23 54	0 16	17 19	1 59	8 40	0 46	22 52	0 2	14 13	5 56	23 44	23 42	22 22		n.a.
F 5	21 45	23 40	0s 3	14 56	4 23	24 58	1 17	12 33	0 46	23 54	0 16	17 18	1 59	8 39	0 46	22 52	0 2	14 12	5 56	23 44	23 42	22 23		n.a.
S 6	21 55	21 45	1 9	14 56	4 21	25 1	1 18	12 21	0 44	23 55	0 16	17 16	1 59	8 39	0 46	22 52	0 2	14 12	5 56	23 44	23 42	22 24		n.a.
S 7	22 4	18 49	2 12	14 57	4 18	25 4	1 20	12 8	0 43	23 55	0 16	17 15	1 59	8 39	0 46	22 52	0 2	14 12	5 56	23 44	23 42	22 25		n.a.
M 8	22 13	15 0	3 11	15 1	4 14	25 6	1 21	11 55	0 42	23 56	0 16	17 14	1 59	8 39	0 46	22 52	0 2	14 12	5 55	23 44	23 42	22 26		n.a.
T 9	22 21	10 26	4 2	15 8	4 9	25 8	1 23	11 43	0 40	23 56	0 16	17 12	1 58	8 38	0 46	22 52	0 2	14 12	5 55	23 44	23 42	22 27		n.a.
W10	22 29	5 18	4 41	15 17	4 2	25 8	1 24	11 30	0 39	23 57	0 16	17 11	1 58	8 38	0 46	22 52	0 2	14 12	5 55	23 44	23 42	22 28		n.a.
T 11	22 37	0s13	5 7	15 28	3 55	25 8	1 25	11 16	0 38	23 58	0 16	17 9	1 58	8 37	0 46	22 53	0 2	14 11	5 55	23 44	23 42	22 29		n.a.
F 12	22 44	5 53	5 16	15 41	3 46	25 7	1 26	11 3	0 36	23 58	0 16	17 8	1 58	8 37	0 46	22 53	0 2	14 11	5 55	23 44	23 42	22 30		n.a.
S 13	22 51	11 25	5 6	15 56	3 37	25 6	1 28	10 50	0 35	23 58	0 16	17 6	1 58	8 37	0 46	22 53	0 2	14 11	5 55	23 44	23 42	22 31		n.a.
S 14	22 57	16 28	4 36	16 13	3 26	25 3	1 29	10 37	0 34	23 59	0 17	17 5	1 58	8 36	0 46	22 53	0 2	14 11	5 54	23 44	23 42	22 32		n.a.
M15	23 3	20 36	3 48	16 32	3 16	25 0	1 30	10 23	0 32	23 59	0 17	17 3	1 58	8 36	0 46	22 53	0 2	14 11	5 54	23 44	23 43	22 33		n.a.
T 16	23 9	23 23	2 43	16 53	3 4	24 56	1 31	10 10	0 31	24 0	0 17	17 2	1 58	8 35	0 46	22 53	0 2	14 11	5 54	23 44	23 43	22 34		n.a.
W17	23 14	24 30	1 26	17 15	2 52	24 52	1 31	9 56	0 30	24 0	0 17	17 0	1 57	8 35	0 45	22 54	0 2	14 10	5 54	23 44	23 43	22 35		n.a.
T 18	23 19	23 48	0 4	17 39	2 40	24 46	1 32	9 42	0 29	24 1	0 17	16 58	1 57	8 34	0 45	22 54	0 2	14 10	5 54	23 44	23 43	22 36		n.a.
F 19	23 24	21 27	1n17	18 4	2 27	24 40	1 33	9 28	0 27	24 1	0 17	16 57	1 57	8 34	0 45	22 54	0 2	14 10	5 54	23 44	23 43	22 36		n.a.
S 20	23 28	17 47	2 31	18 30	2 14	24 33	1 34	9 14	0 26	24 1	0 17	16 55	1 57	8 33	0 45	22 54	0 2	14 10	5 53	23 44	23 43	22 37		n.a.
S 21	23 31	13 13	3 34	18 56	2 0	24 26	1 34	9 0	0 25	24 1	0 17	16 53	1 57	8 33	0 45	22 54	0 2	14 10	5 53	23 44	23 43	22 38		n.a.
M22	23 34	8 7	4 23	19 24	1 47	24 17	1 35	8 46	0 24	24 2	0 17	16 52	1 57	8 32	0 45	22 55	0 2	14 10	5 53	23 44	23 43	22 39		n.a.
T 23	23 37	2 50	4 56	19 52	1 33	24 8	1 35	8 32	0 22	24 2	0 17	16 50	1 57	8 31	0 45	22 55	0 2	14 10	5 53	23 44	23 43	22 40		n.a.
W24	23 40	2n25	5 14	20 20	1 19	23 59	1 36	8 17	0 21	24 2	0 17	16 48	1 57	8 31	0 45	22 55	0 2	14 9	5 53	23 44	23 43	22 41		n.a.
T 25	23 41	7 26	5 16	20 48	1 6	23 48	1 36	8 3	0 20	24 2	0 18	16 46	1 57	8 30	0 45	22 55	0 2	14 9	5 52	23 44	23 43	22 42		n.a.
F 26	23 43	12 4	5 5	21 16	0 52	23 37	1 36	7 48	0 19	24 3	0 18	16 45	1 57	8 29	0 45	22 55	0 2	14 9	5 52	23 44	23 43	22 43		n.a.
S 27	23 44	16 11	4 40	21 43	0 39	23 25	1 36	7 33	0 18	24 3	0 18	16 43	1 56	8 29	0 45	22 55	0 2	14 9	5 52	23 44	23 43	22 44		n.a.
S 28	23 45	19 38	4 3	22 10	0 26	23 13	1 37	7 19	0 16	24 3	0 18	16 41	1 56	8 28	0 45	22 56	0 2	14 9	5 52	23 44	23 44	22 44		n.a.
M29	23 45	22 15	3 16	22 35	0 13	23 0	1 37	7 4	0 15	24 3	0 18	16 39	1 56	8 27	0 45	22 56	0 2	14 9	5 52	23 44	23 44	22 45		n.a.
T 30	23n45	23n55	2n21	23n 0	0s 0	22n46	1n37	6n49	0n14	24n 3	0n18	16n37	1n56	8n26	0n45	22s56	0n 2	14s 9	5n51	23s44	23s44	22n46		n.a.

Julian Day Number = 1551367.5, Delta T = 04h30m37s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'10, Lahiri = -10°23'09 Julian Calendar 1 June 466 BCE == Greg. Calendar 27 May 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

JULY 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 11 18	1♋46'13	17♊58	17♊46	27♋25	14♍ 1	0♋20	20♌46	10♍28	14°R22	27°R28	2°R24	2♑28	27♉49	n.a.	W 1
T 2	18 15 15	2°43'38	29°57	19°39	28°38	14°37	0°33	20°52	10°30	14♑20	27♏27	2♑24	2°24	27°56	n.a.	T 2
F 3	18 19 11	3°41'05	12♋ 3	21°34	29°51	15°13	0°46	20°57	10°32	14°19	27°26	2°24	2°21	28° 3	n.a.	F 3
S 4	18 23 8	4°38'32	24°18	23°32	1♌ 4	15°50	1° 0	21° 3	10°34	14°17	27°24	2°24	2°18	28° 9	n.a.	S 4
S 5	18 27 4	5°36'01	6♌45	25°31	2°17	16°26	1°13	21° 9	10°36	14°15	27°23	2°24	2°15	28°16	n.a.	S 5
M 6	18 31 1	6°33'30	19°25	27°32	3°30	17° 3	1°26	21°15	10°38	14°14	27°22	2°23	2°12	28°23	n.a.	M 6
T 7	18 34 57	7°31'01	2♍19	29°34	4°42	17°39	1°39	21°21	10°41	14°12	27°21	2°23	2° 9	28°29	n.a.	T 7
W 8	18 38 54	8°28'32	15°29	1♋37	5°55	18°16	1°53	21°27	10°43	14°11	27°20	2°22	2° 5	28°36	n.a.	W 8
T 9	18 42 51	9°26'05	28°57	3°40	7° 8	18°53	2° 6	21°33	10°45	14° 9	27°19	2°22	2° 2	28°43	n.a.	T 9
F 10	18 46 47	10°23'38	12♎42	5°44	8°21	19°30	2°19	21°39	10°47	14° 7	27°18	2°D22	1°59	28°49	n.a.	F 10
S 11	18 50 44	11°21'13	26°46	7°47	9°34	20° 8	2°32	21°45	10°50	14° 6	27°17	2°22	1°56	28°56	n.a.	S 11
S 12	18 54 40	12°18'48	11♏ 7	9°50	10°47	20°45	2°45	21°51	10°52	14° 4	27°16	2°22	1°53	29° 3	n.a.	S 12
M13	18 58 37	13°16'25	25°42	11°53	11°59	21°23	2°59	21°58	10°54	14° 2	27°15	2°23	1°49	29° 9	n.a.	M13
T 14	19 2 33	14°14'03	10♐27	13°55	13°12	22° 0	3°12	22° 4	10°57	14° 1	27°14	2°24	1°46	29°16	n.a.	T 14
W15	19 6 30	15°11'42	25°15	15°56	14°25	22°38	3°25	22°10	10°59	13°59	27°13	2°R25	1°43	29°23	n.a.	W15
T 16	19 10 26	16° 9'23	10♑ 1	17°56	15°38	23°16	3°38	22°16	11° 2	13°58	27°12	2°25	1°40	29°29	n.a.	T 16
F 17	19 14 23	17° 7'05	24°37	19°55	16°50	23°54	3°51	22°23	11° 4	13°56	27°11	2°24	1°37	29°36	n.a.	F 17
S 18	19 18 20	18° 4'48	8♒56	21°53	18° 3	24°32	4° 4	22°29	11° 7	13°54	27°11	2°22	1°34	29°43	n.a.	S 18
S 19	19 22 16	19° 2'33	22°54	23°49	19°16	25°10	4°17	22°36	11°10	13°53	27°10	2°20	1°30	29°50	n.a.	S 19
M20	19 26 13	20° 0'20	6♓28	25°45	20°28	25°49	4°30	22°42	11°12	13°51	27° 9	2°18	1°27	29°56	n.a.	M20
T 21	19 30 9	20°58'09	19°38	27°39	21°41	26°27	4°43	22°49	11°15	13°49	27° 8	2°16	1°24	0♊ 3	n.a.	T 21
W22	19 34 6	21°55'59	2♈24	29°31	22°53	27° 6	4°56	22°56	11°18	13°48	27° 8	2°14	1°21	0°10	n.a.	W22
T 23	19 38 2	22°53'51	14°50	1♌23	24° 6	27°45	5° 9	23° 2	11°21	13°46	27° 7	2°13	1°18	0°16	n.a.	T 23
F 24	19 41 59	23°51'45	27° 0	3°13	25°18	28°24	5°22	23° 9	11°23	13°45	27° 6	2°D13	1°15	0°23	n.a.	F 24
S 25	19 45 55	24°49'41	8♉58	5° 2	26°31	29° 3	5°35	23°16	11°26	13°43	27° 6	2°13	1°11	0°29	n.a.	S 25
S 26	19 49 52	25°47'39	20°49	6°49	27°43	29°42	5°48	23°22	11°29	13°41	27° 5	2°15	1° 8	0°36	n.a.	S 26
M27	19 53 49	26°45'40	2♊38	8°35	28°56	0♎21	6° 1	23°29	11°32	13°40	27° 4	2°16	1° 5	0°43	n.a.	M27
T 28	19 57 45	27°43'42	14°29	10°20	0♍ 8	1° 0	6°13	23°36	11°35	13°38	27° 4	2°18	1° 2	0°49	n.a.	T 28
W29	20 1 42	28°41'46	26°27	12° 4	1°20	1°40	6°26	23°43	11°38	13°37	27° 3	2°R19	0°59	0°56	n.a.	W29
T 30	20 5 38	29°39'52	8♋33	13°46	2°33	2°19	6°39	23°50	11°41	13°35	27° 3	2°19	0°55	1° 3	n.a.	T 30
F 31	20 9 35	0♌37'59	20♋52	15♌27	3♍45	2♎59	6♋51	23♌57	11♍44	13♑34	27♏ 2	2♑18	0♑52	1♊ 9	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n44	24n31	1n19	23n22	0n12	22n31	1n36	6n34	0n13	24n 3	0n18	16n35	1n56	8n26	0n45	22s56	0n 2	14s 9	5n51	23s44	23s44	22n47		n.a.
T 2	23 43	23 59	0 14	23 43	0 23	22 16	1 36	6 19	0 12	24 3	0 18	16 33	1 56	8 25	0 45	22 56	0 2	14 9	5 51	23 44	23 44	22 48		n.a.
F 3	23 42	22 19	0s53	24 2	0 34	22 1	1 36	6 4	0 11	24 3	0 18	16 31	1 56	8 24	0 45	22 57	0 2	14 9	5 51	23 44	23 44	22 49		n.a.
S 4	23 40	19 35	1 59	24 19	0 44	21 44	1 36	5 48	0 10	24 3	0 18	16 29	1 56	8 23	0 45	22 57	0 2	14 9	5 51	23 44	23 44	22 50		n.a.
S 5	23 38	15 56	2 59	24 34	0 53	21 27	1 35	5 33	0 9	24 3	0 19	16 27	1 56	8 23	0 45	22 57	0 2	14 9	5 50	23 44	23 44	22 50		n.a.
M 6	23 35	11 31	3 52	24 46	1 2	21 10	1 35	5 18	0 7	24 3	0 19	16 25	1 56	8 22	0 45	22 57	0 2	14 9	5 50	23 44	23 44	22 51		n.a.
T 7	23 32	6 31	4 35	24 55	1 10	20 51	1 34	5 2	0 6	24 3	0 19	16 23	1 56	8 21	0 45	22 57	0 2	14 9	5 50	23 44	23 44	22 52		n.a.
W 8	23 29	1 8	5 4	25 2	1 17	20 33	1 34	4 47	0 5	24 3	0 19	16 21	1 55	8 20	0 45	22 57	0 2	14 9	5 50	23 44	23 44	22 53		n.a.
T 9	23 25	4s24	5 17	25 6	1 24	20 13	1 33	4 31	0 4	24 3	0 19	16 19	1 55	8 19	0 45	22 58	0 2	14 9	5 49	23 44	23 44	22 54		n.a.
F 10	23 20	9 51	5 12	25 7	1 29	19 54	1 32	4 15	0 3	24 3	0 19	16 17	1 55	8 18	0 45	22 58	0 2	14 9	5 49	23 44	23 44	22 54		n.a.
S 11	23 16	14 56	4 49	25 5	1 34	19 33	1 31	3 59	0 2	24 3	0 19	16 15	1 55	8 17	0 45	22 58	0 2	14 9	5 49	23 44	23 44	22 55		n.a.
S 12	23 10	19 16	4 8	25 1	1 38	19 12	1 30	3 44	0 1	24 3	0 19	16 13	1 55	8 16	0 44	22 58	0 2	14 9	5 49	23 44	23 44	22 56		n.a.
M13	23 5	22 30	3 10	24 54	1 42	18 51	1 29	3 28	0s 0	24 2	0 19	16 11	1 55	8 15	0 44	22 58	0 2	14 9	5 49	23 44	23 44	22 57		n.a.
T 14	22 59	24 16	1 59	24 44	1 44	18 29	1 28	3 12	0 1	24 2	0 20	16 9	1 55	8 14	0 44	22 59	0 2	14 9	5 48	23 44	23 44	22 57		n.a.
W15	22 52	24 19	0 40	24 32	1 46	18 6	1 27	2 56	0 2	24 2	0 20	16 7	1 55	8 13	0 44	22 59	0 2	14 9	5 48	23 44	23 44	22 58		n.a.
T 16	22 46	22 40	0n42	24 18	1 47	17 43	1 26	2 40	0 3	24 2	0 20	16 5	1 55	8 12	0 44	22 59	0 2	14 9	5 48	23 44	23 44	22 59		n.a.
F 17	22 38	19 31	2 0	24 2	1 48	17 20	1 24	2 23	0 4	24 2	0 20	16 2	1 55	8 11	0 44	22 59	0 2	14 9	5 48	23 44	23 44	23 0		n.a.
S 18	22 31	15 14	3 9	23 43	1 47	16 56	1 23	2 7	0 5	24 1	0 20	16 0	1 55	8 10	0 44	22 59	0 2	14 9	5 47	23 44	23 45	23 0		n.a.
S 19	22 23	10 13	4 4	23 22	1 47	16 32	1 22	1 51	0 6	24 1	0 20	15 58	1 55	8 9	0 44	22 59	0 2	14 9	5 47	23 44	23 45	23 1		n.a.
M20	22 14	4 51	4 44	23 0	1 45	16 7	1 20	1 35	0 7	24 1	0 20	15 56	1 55	8 8	0 44	23 0	0 2	14 9	5 47	23 44	23 45	23 2		n.a.
T 21	22 6	0n33	5 8	22 36	1 44	15 42	1 18	1 18	0 8	24 0	0 20	15 54	1 55	8 7	0 44	23 0	0 2	14 9	5 47	23 44	23 45	23 3		n.a.
W22	21 56	5 47	5 16	22 10	1 41	15 16	1 17	1 2	0 9	24 0	0 20	15 51	1 55	8 6	0 44	23 0	0 2	14 9	5 46	23 44	23 45	23 3		n.a.
T 23	21 47	10 38	5 8	21 43	1 39	14 50	1 15	0 45	0 10	24 0	0 21	15 49	1 55	8 5	0 44	23 0	0 2	14 9	5 46	23 44	23 45	23 4		n.a.
F 24	21 37	14 59	4 47	21 14	1 35	14 24	1 13	0 29	0 11	23 59	0 21	15 47	1 55	8 4	0 44	23 0	0 2	14 9	5 46	23 44	23 45	23 5		n.a.
S 25	21 26	18 40	4 13	20 44	1 32	13 57	1 11	0 12	0 12	23 59	0 21	15 44	1 55	8 3	0 44	23 1	0 2	14 9	5 46	23 44	23 45	23 5		n.a.
S 26	21 16	21 33	3 29	20 13	1 27	13 30	1 9	0s 4	0 13	23 58	0 21	15 42	1 55	8 1	0 44	23 1	0 1	14 10	5 45	23 44	23 45	23 6		n.a.
M27	21 5	23 31	2 36	19 41	1 23	13 3	1 7	0 21	0 14	23 58	0 21	15 40	1 54	8 0	0 44	23 1	0 1	14 10	5 45	23 44	23 45	23 7		n.a.
T 28	20 53	24 26	1 37	19 8	1 18	12 35	1 5	0 38	0 15	23 57	0 21	15 38	1 54	7 59	0 44	23 1	0 1	14 10	5 45	23 44	23 45	23 7		n.a.
W29	20 41	24 14	0 32	18 34	1 13	12 7	1 3	0 55	0 16	23 57	0 21	15 35	1 54	7 58	0 44	23 1	0 1	14 10	5 44	23 44	23 45	23 8		n.a.
T 30	20 29	22 54	0s34	17 59	1 8	11 38	1 1	1 11	0 17	23 56	0 21	15 33	1 54	7 57	0 44	23 1	0 1	14 10	5 44	23 44	23 45	23 9		n.a.
F 31	20n17	20n28	1s40	17n24	1n 2	11n10	0n58	1s28	0s18	23n56	0n21	15n30	1n54	7n56	0n44	23s 2	0n 1	14s10	5n44	23s44	23s45	23n 9		n.a.

Julian Day Number = 1551397.5, Delta T = 04h30m35s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'05, Lahiri = -10°23'05 Julian Calendar 1 July 466 BCE == Greg. Calendar 26 June 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

AUGUST 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 13 31	1♌36'09	3♌24	17♌ 7	4♍57	3♎39	7♋ 4	24♌ 4	11♍47	13°R32	27°R 2	2°R15	0♏49	1♊16	n.a.	S 1
S 2	20 17 28	2°34'21	16°10	18°45	6°10	4°19	7°17	24°11	11°50	13♏30	27♏ 1	2♏11	0°46	1°23	n.a.	S 2
M 3	20 21 24	3°32'34	29°11	20°23	7°22	4°59	7°29	24°18	11°54	13°29	27° 1	2° 6	0°43	1°29	n.a.	M 3
T 4	20 25 21	4°30'49	12♍26	21°59	8°34	5°39	7°42	24°25	11°57	13°27	27° 1	2° 1	0°40	1°36	n.a.	T 4
W 5	20 29 18	5°29'05	25°54	23°34	9°46	6°19	7°54	24°32	12° 0	13°26	27° 0	1°56	0°36	1°43	n.a.	W 5
T 6	20 33 14	6°27'23	9♎34	25° 7	10°58	6°59	8° 7	24°39	12° 3	13°24	27° 0	1°52	0°33	1°49	n.a.	T 6
F 7	20 37 11	7°25'43	23°24	26°40	12°10	7°40	8°19	24°46	12° 7	13°23	27° 0	1°50	0°30	1°56	n.a.	F 7
S 8	20 41 7	8°24'05	7♏25	28°11	13°22	8°20	8°31	24°53	12°10	13°22	26°59	1°D49	0°27	2° 3	n.a.	S 8
S 9	20 45 4	9°22'28	21°34	29°41	14°34	9° 1	8°44	25° 0	12°13	13°20	26°59	1°49	0°24	2° 9	n.a.	S 9
M10	20 49 0	10°20'53	5♐50	1♍10	15°46	9°42	8°56	25° 7	12°16	13°19	26°59	1°51	0°21	2°16	n.a.	M10
T 11	20 52 57	11°19'20	20°11	2°38	16°58	10°23	9° 8	25°15	12°20	13°17	26°59	1°52	0°17	2°23	n.a.	T 11
W12	20 56 53	12°17'49	4♑34	4° 5	18°10	11° 4	9°20	25°22	12°23	13°16	26°59	1°R52	0°14	2°29	n.a.	W12
T 13	21 0 50	13°16'19	18°55	5°30	19°22	11°45	9°32	25°29	12°27	13°15	26°59	1°51	0°11	2°36	n.a.	T 13
F 14	21 4 47	14°14'51	3♒10	6°54	20°34	12°26	9°44	25°36	12°30	13°13	26°59	1°48	0° 8	2°43	n.a.	F 14
S 15	21 8 43	15°13'25	17°13	8°17	21°46	13° 7	9°56	25°43	12°34	13°12	26°D59	1°43	0° 5	2°49	n.a.	S 15
S 16	21 12 40	16°12'01	1♓ 0	9°38	22°57	13°49	10° 8	25°51	12°37	13°11	26°59	1°36	0° 1	2°56	n.a.	S 16
M17	21 16 36	17°10'40	14°29	10°58	24° 9	14°30	10°20	25°58	12°41	13° 9	26°59	1°28	29♐58	3° 3	n.a.	M17
T 18	21 20 33	18° 9'20	27°36	12°17	25°20	15°11	10°32	26° 5	12°44	13° 8	26°59	1°21	29°55	3° 9	n.a.	T 18
W19	21 24 29	19° 8'03	10♈22	13°34	26°32	15°53	10°43	26°13	12°48	13° 7	26°59	1°14	29°52	3°16	n.a.	W19
T 20	21 28 26	20° 6'47	22°49	14°50	27°44	16°35	10°55	26°20	12°51	13° 5	26°59	1° 8	29°49	3°23	n.a.	T 20
F 21	21 32 22	21° 5'35	4♉59	16° 4	28°55	17°17	11° 7	26°27	12°55	13° 4	26°59	1° 5	29°46	3°29	n.a.	F 21
S 22	21 36 19	22° 4'25	16°57	17°16	0♎ 6	17°59	11°18	26°34	12°58	13° 3	26°59	1°D 3	29°42	3°36	n.a.	S 22
S 23	21 40 16	23° 3'17	28°48	18°27	1°18	18°41	11°30	26°42	13° 2	13° 2	27° 0	1° 3	29°39	3°43	n.a.	S 23
M24	21 44 12	24° 2'11	10♊37	19°36	2°29	19°23	11°41	26°49	13° 6	13° 1	27° 0	1° 4	29°36	3°49	n.a.	M24
T 25	21 48 9	25° 1'08	22°29	20°43	3°40	20° 5	11°52	26°56	13° 9	13° 0	27° 0	1° 5	29°33	3°56	n.a.	T 25
W26	21 52 5	26° 0'07	4♋30	21°48	4°52	20°47	12° 3	27° 4	13°13	12°59	27° 1	1°R 5	29°30	4° 3	n.a.	W26
T 27	21 56 2	26°59'09	16°43	22°50	6° 3	21°30	12°15	27°11	13°17	12°57	27° 1	1° 4	29°27	4° 9	n.a.	T 27
F 28	21 59 58	27°58'13	29°12	23°51	7°14	22°12	12°26	27°18	13°20	12°56	27° 1	1° 0	29°23	4°16	n.a.	F 28
S 29	22 3 55	28°57'19	12♌ 0	24°48	8°25	22°55	12°37	27°26	13°24	12°55	27° 2	0°54	29°20	4°23	n.a.	S 29
S 30	22 7 51	29°56'28	25° 6	25°43	9°36	23°37	12°48	27°33	13°28	12°54	27° 2	0°46	29°17	4°29	n.a.	S 30
M31	22 11 48	0♍55'38	8♍31	26♍34	10♎47	24♎20	12♋58	27♌40	13♍31	12♏53	27♏ 3	0♏36	29♐14	4♊36	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n 4	17n 1	2s42	16n48	0n56	10n41	0n56	1s45	0s19	23n55	0n22	15n28	1n54	7n54	0n44	23s 2	0n 1	14s10	5n44	23s44	23s45	23n10		n.a.
S 2	19 50	12 44	3 37	16 11	0 50	10 12	0 53	2 2	0 19	23 55	0 22	15 26	1 54	7 53	0 44	23 2	0 1	14 11	5 43	23 44	23 45	23 11		n.a.
M 3	19 37	7 49	4 22	15 34	0 43	9 42	0 51	2 19	0 20	23 54	0 22	15 23	1 54	7 52	0 44	23 2	0 1	14 11	5 43	23 44	23 45	23 11		n.a.
T 4	19 23	2 28	4 54	14 56	0 36	9 12	0 48	2 36	0 21	23 53	0 22	15 21	1 54	7 51	0 44	23 2	0 1	14 11	5 43	23 44	23 45	23 12		n.a.
W 5	19 9	3s 5	5 10	14 18	0 29	8 42	0 46	2 53	0 22	23 53	0 22	15 19	1 54	7 49	0 44	23 2	0 1	14 11	5 43	23 44	23 45	23 13		n.a.
T 6	18 54	8 33	5 9	13 40	0 22	8 12	0 43	3 10	0 23	23 52	0 22	15 16	1 54	7 48	0 44	23 3	0 1	14 11	5 42	23 44	23 45	23 13		n.a.
F 7	18 39	13 41	4 50	13 1	0 15	7 42	0 40	3 27	0 24	23 52	0 22	15 14	1 54	7 47	0 44	23 3	0 1	14 12	5 42	23 44	23 45	23 14		n.a.
S 8	18 24	18 9	4 14	12 23	0 8	7 11	0 37	3 44	0 25	23 51	0 22	15 11	1 54	7 45	0 44	23 3	0 1	14 12	5 42	23 44	23 45	23 15		n.a.
S 9	18 8	21 38	3 22	11 44	0s 0	6 41	0 34	4 1	0 25	23 50	0 23	15 9	1 54	7 44	0 44	23 3	0 1	14 12	5 41	23 44	23 45	23 15		n.a.
M10	17 53	23 48	2 17	11 5	0 8	6 10	0 31	4 18	0 26	23 49	0 23	15 6	1 54	7 43	0 44	23 3	0 1	14 12	5 41	23 44	23 45	23 16		n.a.
T 11	17 36	24 26	1 3	10 26	0 16	5 39	0 28	4 35	0 27	23 49	0 23	15 4	1 54	7 42	0 44	23 3	0 1	14 13	5 41	23 44	23 45	23 16		n.a.
W12	17 20	23 26	0n15	9 47	0 23	5 8	0 25	4 52	0 28	23 48	0 23	15 1	1 54	7 40	0 44	23 4	0 1	14 13	5 41	23 44	23 45	23 17		n.a.
T 13	17 3	20 53	1 31	9 8	0 31	4 36	0 22	5 9	0 29	23 47	0 23	14 59	1 54	7 39	0 44	23 4	0 1	14 13	5 40	23 44	23 45	23 17		n.a.
F 14	16 46	17 5	2 41	8 29	0 39	4 5	0 19	5 26	0 30	23 47	0 23	14 57	1 54	7 38	0 44	23 4	0 1	14 13	5 40	23 44	23 45	23 18		n.a.
S 15	16 29	12 23	3 41	7 50	0 48	3 33	0 16	5 43	0 30	23 46	0 23	14 54	1 54	7 36	0 44	23 4	0 1	14 14	5 40	23 44	23 45	23 19		n.a.
S 16	16 11	7 7	4 26	7 12	0 56	3 2	0 13	6 0	0 31	23 45	0 24	14 52	1 54	7 35	0 44	23 4	0 1	14 14	5 39	23 45	23 45	23 19		n.a.
M17	15 53	1 40	4 55	6 34	1 4	2 30	0 10	6 17	0 32	23 44	0 24	14 49	1 54	7 33	0 44	23 4	0 1	14 14	5 39	23 45	23 45	23 20		n.a.
T 18	15 35	3n43	5 7	5 56	1 12	1 58	0 6	6 34	0 33	23 43	0 24	14 47	1 54	7 32	0 43	23 4	0 1	14 14	5 39	23 45	23 45	23 20		n.a.
W19	15 17	8 48	5 4	5 18	1 20	1 26	0 3	6 51	0 34	23 43	0 24	14 44	1 54	7 31	0 43	23 5	0 1	14 15	5 39	23 45	23 45	23 21		n.a.
T 20	14 58	13 24	4 47	4 41	1 29	0 54	0s 1	7 8	0 34	23 42	0 24	14 42	1 54	7 29	0 43	23 5	0 1	14 15	5 38	23 45	23 45	23 21		n.a.
F 21	14 39	17 22	4 16	4 5	1 37	0 22	0 4	7 25	0 35	23 41	0 24	14 39	1 54	7 28	0 43	23 5	0 1	14 15	5 38	23 45	23 45	23 22		n.a.
S 22	14 20	20 33	3 35	3 29	1 45	0s 9	0 8	7 41	0 36	23 40	0 24	14 37	1 55	7 26	0 43	23 5	0 1	14 16	5 38	23 45	23 45	23 22		n.a.
S 23	14 1	22 50	2 45	2 54	1 53	0 41	0 11	7 58	0 37	23 39	0 25	14 34	1 55	7 25	0 43	23 5	0 1	14 16	5 38	23 45	23 45	23 23		n.a.
M24	13 41	24 7	1 48	2 19	2 1	1 13	0 15	8 15	0 37	23 38	0 25	14 32	1 55	7 24	0 43	23 5	0 1	14 16	5 37	23 45	23 45	23 23		n.a.
T 25	13 21	24 18	0 46	1 45	2 9	1 45	0 18	8 32	0 38	23 38	0 25	14 29	1 55	7 22	0 43	23 5	0 1	14 17	5 37	23 45	23 45	23 24		n.a.
W26	13 1	23 22	0s18	1 12	2 16	2 17	0 22	8 49	0 39	23 37	0 25	14 27	1 55	7 21	0 43	23 5	0 1	14 17	5 37	23 45	23 45	23 24		n.a.
T 27	12 41	21 19	1 23	0 41	2 24	2 49	0 25	9 6	0 40	23 36	0 25	14 24	1 55	7 19	0 43	23 6	0 1	14 17	5 36	23 45	23 45	23 25		n.a.
F 28	12 20	18 13	2 25	0 10	2 31	3 21	0 29	9 22	0 40	23 35	0 25	14 21	1 55	7 18	0 43	23 6	0 1	14 18	5 36	23 45	23 45	23 25		n.a.
S 29	11 59	14 12	3 21	0s20	2 39	3 53	0 33	9 39	0 41	23 34	0 25	14 19	1 55	7 16	0 43	23 6	0 1	14 18	5 36	23 45	23 45	23 26		n.a.
S 30	11 38	9 26	4 8	0 48	2 45	4 25	0 36	9 56	0 42	23 33	0 26	14 16	1 55	7 15	0 43	23 6	0 1	14 18	5 36	23 45	23 45	23 26		n.a.
M31	11n17	4n 8	4s42	1s15	2s52	4s56	0s40	10s12	0s42	23n32	0n26	14n14	1n55	7n13	0n43	23s 6	0n 1	14s19	5n35	23s45	23s45	23n27		n.a.

Julian Day Number = 1551428.5, Delta T = 04h30m34s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°30'01, Lahiri = -10°23'01 Julian Calendar 1 Aug. 466 BCE == Greg. Calendar 27 July 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

SEPTEMBER 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 15 44	1♍54'51	22♍12	27♍22	11♎58	25♎ 3	13♋ 9	27♌48	13♍35	12°R52	27♏ 3	0°R26	29♐11	4♊43	n.a.	T 1
W 2	22 19 41	2°54'05	6♎ 6	28° 7	13° 9	25°46	13°20	27°55	13°39	12♑52	27° 4	0♑16	29° 7	4°49	n.a.	W 2
T 3	22 23 38	3°53'22	20° 8	28°48	14°20	26°29	13°30	28° 2	13°43	12°51	27° 4	0° 7	29° 4	4°56	n.a.	T 3
F 4	22 27 34	4°52'41	4♏15	29°24	15°30	27°12	13°41	28°10	13°46	12°50	27° 5	0° 1	29° 1	5° 3	n.a.	F 4
S 5	22 31 31	5°52'01	18°23	29°55	16°41	27°55	13°51	28°17	13°50	12°49	27° 6	29♐58	28°58	5° 9	n.a.	S 5
S 6	22 35 27	6°51'24	2♐32	0♎22	17°52	28°38	14° 1	28°24	13°54	12°48	27° 6	29°D57	28°55	5°16	n.a.	S 6
M 7	22 39 24	7°50'48	16°38	0°42	19° 2	29°22	14°12	28°32	13°58	12°47	27° 7	29°57	28°52	5°23	n.a.	M 7
T 8	22 43 20	8°50'15	0♑42	0°57	20°13	0♏ 5	14°22	28°39	14° 1	12°47	27° 8	29°R57	28°48	5°29	n.a.	T 8
W 9	22 47 17	9°49'43	14°42	1° 5	21°23	0°49	14°32	28°46	14° 5	12°46	27° 8	29°56	28°45	5°36	n.a.	W 9
T 10	22 51 13	10°49'13	28°37	1°R 6	22°33	1°32	14°42	28°53	14° 9	12°45	27° 9	29°53	28°42	5°43	n.a.	T 10
F 11	22 55 10	11°48'44	12♒25	0°59	23°44	2°16	14°51	29° 1	14°13	12°45	27°10	29°48	28°39	5°49	n.a.	F 11
S 12	22 59 7	12°48'18	26° 4	0°44	24°54	2°59	15° 1	29° 8	14°17	12°44	27°11	29°39	28°36	5°56	n.a.	S 12
S 13	23 3 3	13°47'54	9♓32	0°21	26° 4	3°43	15°11	29°15	14°20	12°43	27°12	29°28	28°33	6° 3	n.a.	S 13
M14	23 7 0	14°47'32	22°44	29♍50	27°14	4°27	15°20	29°22	14°24	12°43	27°13	29°16	28°29	6° 9	n.a.	M14
T 15	23 10 56	15°47'12	5♈41	29°10	28°24	5°11	15°30	29°29	14°28	12°42	27°14	29° 3	28°26	6°16	n.a.	T 15
W16	23 14 53	16°46'54	18°20	28°22	29°33	5°55	15°39	29°36	14°32	12°42	27°15	28°51	28°23	6°23	n.a.	W16
T 17	23 18 49	17°46'38	0♉43	27°26	0♏43	6°39	15°48	29°43	14°36	12°41	27°16	28°41	28°20	6°29	n.a.	T 17
F 18	23 22 46	18°46'25	12°51	26°23	1°53	7°23	15°57	29°51	14°39	12°41	27°17	28°33	28°17	6°36	n.a.	F 18
S 19	23 26 42	19°46'14	24°48	25°14	3° 2	8° 7	16° 6	29°58	14°43	12°40	27°18	28°29	28°13	6°42	n.a.	S 19
S 20	23 30 39	20°46'06	6♊38	24° 1	4°12	8°52	16°15	0♍ 5	14°47	12°40	27°19	28°26	28°10	6°49	n.a.	S 20
M21	23 34 35	21°46'00	18°26	22°46	5°21	9°36	16°23	0°12	14°51	12°40	27°20	28°26	28° 7	6°56	n.a.	M21
T 22	23 38 32	22°45'56	0♋17	21°30	6°30	10°21	16°32	0°19	14°55	12°39	27°21	28°26	28° 4	7° 2	n.a.	T 22
W23	23 42 29	23°45'54	12°17	20°17	7°39	11° 5	16°40	0°26	14°58	12°39	27°22	28°25	28° 1	7° 9	n.a.	W23
T 24	23 46 25	24°45'55	24°32	19° 8	8°49	11°50	16°49	0°33	15° 2	12°39	27°23	28°23	27°58	7°16	n.a.	T 24
F 25	23 50 22	25°45'58	7♌ 6	18° 6	9°57	12°34	16°57	0°39	15° 6	12°39	27°25	28°19	27°54	7°22	n.a.	F 25
S 26	23 54 18	26°46'03	20° 2	17°12	11° 6	13°19	17° 5	0°46	15°10	12°39	27°26	28°11	27°51	7°29	n.a.	S 26
S 27	23 58 15	27°46'10	3♍23	16°28	12°15	14° 4	17°13	0°53	15°13	12°38	27°27	28° 1	27°48	7°36	n.a.	S 27
M28	0 2 11	28°46'19	17° 7	15°55	13°24	14°49	17°21	1° 0	15°17	12°38	27°29	27°50	27°45	7°42	n.a.	M28
T 29	0 6 8	29°46'31	1♎11	15°33	14°32	15°34	17°28	1° 7	15°21	12°38	27°30	27°37	27°42	7°49	n.a.	T 29
W30	0 10 4	0♎46'44	15♎32	15°D22	15♏40	16♏19	17♋36	1♍13	15♍24	12♑38	27♏31	27♐25	27♐38	7♊56	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n56	1s28	5s 1	1s40	2s58	5s28	0s44	10s29	0s43	23n31	0n26	14n11	1n55	7n12	0n43	23s 6	0n 1	14s19	5n35	23s45	23s45	23n27		n.a.
W 2	10 34	7 4	5 2	2 3	3 4	5 59	0 48	10 46	0 44	23 30	0 26	14 9	1 55	7 11	0 43	23 6	0 1	14 20	5 35	23 45	23 45	23 28		n.a.
T 3	10 13	12 22	4 46	2 24	3 10	6 30	0 51	11 2	0 44	23 29	0 26	14 6	1 55	7 9	0 43	23 6	0 1	14 20	5 34	23 45	23 45	23 28		n.a.
F 4	9 51	17 2	4 12	2 43	3 15	7 2	0 55	11 18	0 45	23 28	0 26	14 4	1 55	7 8	0 43	23 6	0 1	14 20	5 34	23 45	23 45	23 29		n.a.
S 5	9 29	20 46	3 22	3 0	3 19	7 33	0 59	11 35	0 46	23 28	0 26	14 1	1 55	7 6	0 43	23 7	0 1	14 21	5 34	23 45	23 45	23 29		n.a.
S 6	9 6	23 14	2 21	3 14	3 22	8 3	1 3	11 51	0 46	23 27	0 27	13 59	1 55	7 5	0 43	23 7	0 1	14 21	5 34	23 45	23 45	23 30		n.a.
M 7	8 44	24 14	1 10	3 25	3 25	8 34	1 6	12 7	0 47	23 26	0 27	13 56	1 55	7 3	0 43	23 7	0 1	14 22	5 33	23 45	23 45	23 30		n.a.
T 8	8 22	23 41	0n 4	3 33	3 27	9 5	1 10	12 23	0 48	23 25	0 27	13 54	1 56	7 2	0 43	23 7	0 1	14 22	5 33	23 45	23 45	23 30		n.a.
W 9	7 59	21 39	1 18	3 37	3 28	9 35	1 14	12 39	0 48	23 24	0 27	13 51	1 56	7 0	0 43	23 7	0 1	14 23	5 33	23 45	23 45	23 31		n.a.
T 10	7 36	18 20	2 26	3 37	3 28	10 5	1 18	12 55	0 49	23 23	0 27	13 49	1 56	6 59	0 43	23 7	0 1	14 23	5 32	23 45	23 45	23 31		n.a.
F 11	7 13	14 1	3 25	3 33	3 27	10 35	1 21	13 11	0 49	23 22	0 27	13 46	1 56	6 57	0 43	23 7	0 1	14 23	5 32	23 45	23 45	23 32		n.a.
S 12	6 50	9 3	4 12	3 25	3 24	11 5	1 25	13 27	0 50	23 21	0 28	13 44	1 56	6 56	0 43	23 7	0 1	14 24	5 32	23 45	23 45	23 32		n.a.
S 13	6 27	3 44	4 43	3 12	3 20	11 34	1 29	13 43	0 51	23 20	0 28	13 41	1 56	6 54	0 43	23 7	0 1	14 24	5 32	23 45	23 45	23 32		n.a.
M14	6 4	1n39	4 59	2 54	3 14	12 3	1 33	13 58	0 51	23 19	0 28	13 39	1 56	6 53	0 43	23 7	0 1	14 25	5 31	23 45	23 45	23 33		n.a.
T 15	5 41	6 51	4 59	2 30	3 6	12 32	1 36	14 14	0 52	23 18	0 28	13 37	1 56	6 51	0 43	23 7	0 1	14 25	5 31	23 45	23 45	23 33		n.a.
W16	5 17	11 39	4 44	2 2	2 57	13 1	1 40	14 29	0 52	23 17	0 28	13 34	1 56	6 50	0 43	23 7	0 1	14 26	5 31	23 45	23 44	23 33		n.a.
T 17	4 54	15 51	4 16	1 29	2 45	13 29	1 44	14 45	0 53	23 16	0 29	13 32	1 56	6 48	0 43	23 7	0 1	14 26	5 31	23 45	23 44	23 34		n.a.
F 18	4 30	19 20	3 37	0 51	2 32	13 57	1 47	15 0	0 53	23 16	0 29	13 29	1 56	6 47	0 43	23 8	0 1	14 27	5 30	23 45	23 44	23 34		n.a.
S 19	4 6	21 56	2 48	0 10	2 16	14 25	1 51	15 15	0 54	23 15	0 29	13 27	1 57	6 45	0 43	23 8	0 1	14 27	5 30	23 45	23 44	23 35		n.a.
S 20	3 42	23 33	1 53	0n35	1 59	14 52	1 54	15 30	0 55	23 14	0 29	13 24	1 57	6 44	0 43	23 8	0 1	14 28	5 30	23 45	23 44	23 35		n.a.
M21	3 18	24 7	0 53	1 22	1 41	15 20	1 58	15 45	0 55	23 13	0 29	13 22	1 57	6 42	0 43	23 8	0 1	14 28	5 30	23 45	23 44	23 35		n.a.
T 22	2 54	23 35	0s10	2 10	1 21	15 46	2 1	16 0	0 56	23 12	0 29	13 20	1 57	6 41	0 43	23 8	0 1	14 29	5 29	23 45	23 44	23 36		n.a.
W23	2 30	21 58	1 13	2 58	1 1	16 13	2 5	16 14	0 56	23 11	0 30	13 17	1 57	6 39	0 43	23 8	0 1	14 29	5 29	23 45	23 44	23 36		n.a.
T 24	2 6	19 18	2 14	3 44	0 40	16 39	2 8	16 29	0 57	23 10	0 30	13 15	1 57	6 38	0 43	23 8	0 1	14 30	5 29	23 44	23 44	23 36		n.a.
F 25	1 42	15 41	3 9	4 27	0 20	17 4	2 12	16 43	0 57	23 9	0 30	13 12	1 57	6 37	0 43	23 8	0 1	14 30	5 29	23 44	23 44	23 36		n.a.
S 26	1 18	11 15	3 57	5 7	0n 0	17 29	2 15	16 57	0 58	23 9	0 30	13 10	1 57	6 35	0 43	23 8	0 1	14 31	5 28	23 44	23 44	23 37		n.a.
S 27	0 54	6 9	4 33	5 42	0 19	17 54	2 18	17 11	0 58	23 8	0 30	13 8	1 58	6 34	0 43	23 8	0 1	14 31	5 28	23 44	23 44	23 37		n.a.
M28	0 30	0 38	4 55	6 12	0 37	18 19	2 22	17 25	0 59	23 7	0 31	13 5	1 58	6 32	0 43	23 8	0 1	14 32	5 28	23 44	23 44	23 37		n.a.
T 29	0 5	5s 3	5 0	6 36	0 54	18 42	2 25	17 39	0 59	23 6	0 31	13 3	1 58	6 31	0 43	23 8	0 1	14 32	5 28	23 44	23 44	23 38		n.a.
W30	0s19	10s34	4s46	6n53	1n 8	19s 6	2s28	17s53	1s 0	23n 5	0n31	13n 1	1n58	6n29	0n43	23s 8	0n 1	14s33	5n27	23s44	23s44	23n38		n.a.

Julian Day Number = 1551459.5, Delta T = 04h30m33s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'57, Lahiri = -10°22'57 Julian Calendar 1 Sept. 466 BCE == Greg. Calendar 27 Aug. 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

OCTOBER 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 14 1	1♎46'59	0♏ 2	15♍23	16♏49	17♏ 4	17♋43	1♍20	15♍28	12°D38	27♏33	27°R14	27♐35	8♊ 2	n.a.	T 1
F 2	0 17 58	2°47'16	14°34	15°35	17°57	17°49	17°51	1°27	15°32	12♑38	27°34	27♐ 7	27°32	8° 9	n.a.	F 2
S 3	0 21 54	3°47'35	29° 3	15°58	19° 5	18°34	17°58	1°33	15°35	12°38	27°36	27° 2	27°29	8°16	n.a.	S 3
S 4	0 25 51	4°47'55	13♐24	16°30	20°13	19°19	18° 5	1°40	15°39	12°38	27°37	27° 0	27°26	8°22	n.a.	S 4
M 5	0 29 47	5°48'17	27°34	17°10	21°20	20° 5	18°12	1°46	15°43	12°38	27°38	26°59	27°23	8°29	n.a.	M 5
T 6	0 33 44	6°48'40	11♑33	17°59	22°28	20°50	18°18	1°53	15°46	12°39	27°40	26°59	27°19	8°36	n.a.	T 6
W 7	0 37 40	7°49'05	25°20	18°54	23°35	21°35	18°25	1°59	15°50	12°39	27°42	26°58	27°16	8°42	n.a.	W 7
T 8	0 41 37	8°49'31	8♒56	19°56	24°42	22°21	18°31	2° 6	15°54	12°39	27°43	26°55	27°13	8°49	n.a.	T 8
F 9	0 45 33	9°49'59	22°22	21° 2	25°49	23° 6	18°37	2°12	15°57	12°39	27°45	26°50	27°10	8°56	n.a.	F 9
S 10	0 49 30	10°50'28	5♓37	22°14	26°56	23°52	18°43	2°18	16° 1	12°40	27°46	26°41	27° 7	9° 2	n.a.	S 10
S 11	0 53 26	11°50'58	18°41	23°29	28° 3	24°38	18°49	2°24	16° 4	12°40	27°48	26°29	27° 4	9° 9	n.a.	S 11
M12	0 57 23	12°51'31	1♈33	24°48	29° 9	25°23	18°55	2°31	16° 8	12°40	27°50	26°17	27° 0	9°16	n.a.	M12
T 13	1 1 20	13°52'04	14°12	26°10	0♐16	26° 9	19° 1	2°37	16°11	12°41	27°51	26° 3	26°57	9°22	n.a.	T 13
W14	1 5 16	14°52'40	26°39	27°34	1°22	26°55	19° 6	2°43	16°15	12°41	27°53	25°51	26°54	9°29	n.a.	W14
T 15	1 9 13	15°53'17	8♉53	29° 0	2°28	27°41	19°11	2°49	16°18	12°42	27°55	25°40	26°51	9°35	n.a.	T 15
F 16	1 13 9	16°53'56	20°55	0♎27	3°33	28°26	19°17	2°55	16°21	12°42	27°56	25°32	26°48	9°42	n.a.	F 16
S 17	1 17 6	17°54'37	2♊49	1°57	4°39	29°12	19°21	3° 1	16°25	12°43	27°58	25°27	26°44	9°49	n.a.	S 17
S 18	1 21 2	18°55'19	14°37	3°27	5°44	29°58	19°26	3° 7	16°28	12°43	28° 0	25°25	26°41	9°55	n.a.	S 18
M19	1 24 59	19°56'03	26°24	4°58	6°49	0♐44	19°31	3°12	16°32	12°44	28° 2	25°D24	26°38	10° 2	n.a.	M19
T 20	1 28 55	20°56'49	8♋13	6°30	7°54	1°30	19°35	3°18	16°35	12°44	28° 4	25°24	26°35	10° 9	n.a.	T 20
W21	1 32 52	21°57'36	20°11	8° 2	8°58	2°17	19°40	3°24	16°38	12°45	28° 5	25°R25	26°32	10°15	n.a.	W21
T 22	1 36 49	22°58'25	2♌24	9°35	10° 2	3° 3	19°44	3°29	16°41	12°46	28° 7	25°24	26°29	10°22	n.a.	T 22
F 23	1 40 45	23°59'16	14°55	11° 9	11° 6	3°49	19°48	3°35	16°45	12°47	28° 9	25°22	26°25	10°29	n.a.	F 23
S 24	1 44 42	25° 0'09	27°51	12°42	12°10	4°35	19°51	3°40	16°48	12°47	28°11	25°18	26°22	10°35	n.a.	S 24
S 25	1 48 38	26° 1'02	11♍14	14°16	13°14	5°22	19°55	3°46	16°51	12°48	28°13	25°11	26°19	10°42	n.a.	S 25
M26	1 52 35	27° 1'58	25° 4	15°50	14°17	6° 8	19°58	3°51	16°54	12°49	28°15	25° 2	26°16	10°49	n.a.	M26
T 27	1 56 31	28° 2'55	9♎21	17°24	15°19	6°54	20° 1	3°56	16°57	12°50	28°17	24°52	26°13	10°55	n.a.	T 27
W28	2 0 28	29° 3'53	23°59	18°58	16°22	7°41	20° 4	4° 2	17° 0	12°51	28°19	24°43	26° 9	11° 2	n.a.	W28
T 29	2 4 24	0♏ 4'52	8♏52	20°32	17°24	8°27	20° 7	4° 7	17° 3	12°52	28°21	24°35	26° 6	11° 9	n.a.	T 29
F 30	2 8 21	1° 5'53	23°49	22° 7	18°26	9°14	20°10	4°12	17° 6	12°53	28°23	24°29	26° 3	11°15	n.a.	F 30
S 31	2 12 18	2♏ 6'54	8♐43	23♎41	19♐27	10♐ 0	20♋12	4♍17	17♍ 9	12♑54	28♏25	24♐25	26♐ 0	11♊22	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	0s43	15s34	4s13	7n 5	1n22	19s29	2s31	18s 6	1s 0	23n 4	0n31	12n59	1n58	6n28	0n43	23s 8	0n 1	14s34	5n27	23s43	23s44	23n38			n.a.
F 2	1 7	19 40	3 24	7 11	1 33	19 52	2 34	18 20	1 0	23 4	0 31	12 56	1 58	6 26	0 43	23 8	0 1	14 34	5 27	23 43	23 44	23 39			n.a.
S 3	1 32	22 31	2 22	7 11	1 43	20 14	2 37	18 33	1 1	23 3	0 31	12 54	1 58	6 25	0 43	23 8	0 1	14 35	5 27	23 43	23 44	23 39			n.a.
S 4	1 56	23 53	1 11	7 7	1 52	20 35	2 40	18 46	1 1	23 2	0 32	12 52	1 59	6 24	0 43	23 8	0 1	14 35	5 26	23 43	23 44	23 39			n.a.
M 5	2 20	23 41	0n 3	6 57	1 58	20 56	2 42	18 59	1 2	23 1	0 32	12 50	1 59	6 22	0 43	23 8	0 1	14 36	5 26	23 43	23 44	23 39			n.a.
T 6	2 44	21 59	1 16	6 42	2 4	21 17	2 45	19 12	1 2	23 1	0 32	12 47	1 59	6 21	0 43	23 8	0 1	14 36	5 26	23 43	23 43	23 40			n.a.
W 7	3 8	18 59	2 24	6 24	2 8	21 37	2 48	19 24	1 3	23 0	0 32	12 45	1 59	6 19	0 43	23 8	0 1	14 37	5 26	23 43	23 43	23 40			n.a.
T 8	3 33	15 0	3 23	6 2	2 11	21 56	2 50	19 37	1 3	22 59	0 32	12 43	1 59	6 18	0 43	23 8	0 1	14 37	5 25	23 43	23 43	23 40			n.a.
F 9	3 57	10 19	4 9	5 37	2 12	22 15	2 53	19 49	1 3	22 59	0 33	12 41	1 59	6 17	0 43	23 8	0 1	14 38	5 25	23 43	23 43	23 40			n.a.
S 10	4 21	5 13	4 41	5 9	2 13	22 34	2 55	20 1	1 4	22 58	0 33	12 39	1 59	6 15	0 43	23 8	0 0	14 39	5 25	23 43	23 43	23 40			n.a.
S 11	4 45	0n 2	4 58	4 39	2 13	22 51	2 57	20 12	1 4	22 57	0 33	12 37	2 0	6 14	0 43	23 8	0 0	14 39	5 25	23 42	23 43	23 41			n.a.
M12	5 9	5 12	5 0	4 6	2 12	23 9	2 59	20 24	1 4	22 57	0 33	12 34	2 0	6 12	0 43	23 8	0 0	14 40	5 24	23 42	23 43	23 41			n.a.
T 13	5 32	10 4	4 46	3 32	2 10	23 25	3 1	20 35	1 5	22 56	0 34	12 32	2 0	6 11	0 43	23 8	0 0	14 40	5 24	23 42	23 43	23 41			n.a.
W14	5 56	14 26	4 20	2 55	2 7	23 41	3 3	20 47	1 5	22 56	0 34	12 30	2 0	6 10	0 43	23 8	0 0	14 41	5 24	23 41	23 43	23 41			n.a.
T 15	6 20	18 7	3 41	2 18	2 4	23 57	3 5	20 58	1 6	22 55	0 34	12 28	2 0	6 8	0 43	23 8	0 0	14 42	5 24	23 41	23 43	23 41			n.a.
F 16	6 43	20 59	2 53	1 39	2 1	24 12	3 7	21 9	1 6	22 55	0 34	12 26	2 1	6 7	0 44	23 8	0 0	14 42	5 24	23 41	23 43	23 42			n.a.
S 17	7 7	22 55	1 57	1 0	1 57	24 26	3 9	21 19	1 6	22 54	0 34	12 24	2 1	6 6	0 44	23 8	0 0	14 43	5 23	23 40	23 43	23 42			n.a.
S 18	7 30	23 48	0 57	0 19	1 52	24 40	3 10	21 29	1 7	22 54	0 35	12 22	2 1	6 4	0 44	23 8	0 0	14 43	5 23	23 40	23 43	23 42			n.a.
M19	7 54	23 37	0s 5	0s22	1 47	24 52	3 12	21 40	1 7	22 53	0 35	12 20	2 1	6 3	0 44	23 8	0 0	14 44	5 23	23 40	23 42	23 42			n.a.
T 20	8 17	22 22	1 8	1 3	1 42	25 5	3 13	21 50	1 7	22 53	0 35	12 18	2 1	6 2	0 44	23 8	0 0	14 44	5 23	23 40	23 42	23 42			n.a.
W21	8 40	20 6	2 9	1 45	1 37	25 17	3 14	21 59	1 7	22 52	0 35	12 16	2 1	6 1	0 44	23 8	0 0	14 45	5 23	23 40	23 42	23 42			n.a.
T 22	9 3	16 53	3 4	2 27	1 31	25 28	3 15	22 9	1 8	22 52	0 35	12 15	2 2	5 59	0 44	23 7	0 0	14 46	5 22	23 40	23 42	23 43			n.a.
F 23	9 25	12 52	3 53	3 10	1 25	25 38	3 16	22 18	1 8	22 52	0 36	12 13	2 2	5 58	0 44	23 7	0 0	14 46	5 22	23 40	23 42	23 43			n.a.
S 24	9 48	8 8	4 31	3 52	1 19	25 48	3 17	22 27	1 8	22 51	0 36	12 11	2 2	5 57	0 44	23 7	0 0	14 47	5 22	23 40	23 42	23 43			n.a.
S 25	10 11	2 53	4 56	4 35	1 13	25 57	3 17	22 36	1 9	22 51	0 36	12 9	2 2	5 56	0 44	23 7	0 0	14 47	5 22	23 40	23 42	23 43			n.a.
M26	10 33	2s41	5 5	5 17	1 6	26 5	3 18	22 44	1 9	22 51	0 36	12 7	2 2	5 54	0 44	23 7	0 0	14 48	5 22	23 39	23 42	23 43			n.a.
T 27	10 55	8 16	4 56	6 0	1 0	26 13	3 18	22 53	1 9	22 50	0 37	12 6	2 3	5 53	0 44	23 7	0 0	14 49	5 21	23 39	23 42	23 43			n.a.
W28	11 17	13 33	4 27	6 42	0 53	26 20	3 18	23 1	1 9	22 50	0 37	12 4	2 3	5 52	0 44	23 7	0 0	14 49	5 21	23 39	23 42	23 43			n.a.
T 29	11 39	18 6	3 40	7 24	0 47	26 26	3 18	23 9	1 9	22 50	0 37	12 2	2 3	5 51	0 44	23 7	0 0	14 50	5 21	23 38	23 42	23 43			n.a.
F 30	12 0	21 30	2 37	8 6	0 40	26 32	3 18	23 16	1 10	22 50	0 37	12 0	2 3	5 50	0 44	23 7	0 0	14 50	5 21	23 38	23 41	23 44			n.a.
S 31	12s22	23s25	1s23	8s48	0n33	26s37	3s18	23s24	1s10	22n50	0n38	11n59	2n 4	5n48	0n44	23s 7	0n 0	14s51	5n21	23s38	23s41	23n44			n.a.

Julian Day Number = 1551489.5, Delta T = 04h30m32s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'53, Lahiri = -10°22'52 Julian Calendar 1 Oct. 466 BCE == Greg. Calendar 26 Sept. 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

NOVEMBER 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 16 14	3♏ 7'57	23♐26	25♎15	20♐29	10♐47	20♋15	4♍22	17♍12	12♑55	28♏27	24°D24	25♐57	11♊29	n.a.	S 1
M 2	2 20 11	4° 9'00	7♑54	26°49	21°29	11°33	20°17	4°27	17°15	12°56	28°29	24♐25	25°54	11°35	n.a.	M 2
T 3	2 24 7	5°10'04	22° 2	28°23	22°30	12°20	20°19	4°31	17°18	12°57	28°31	24°26	25°50	11°42	n.a.	T 3
W 4	2 28 4	6°11'09	5♒51	29°57	23°30	13° 7	20°20	4°36	17°21	12°58	28°33	24°R27	25°47	11°49	n.a.	W 4
T 5	2 32 0	7°12'14	19°21	1♏31	24°29	13°53	20°22	4°41	17°24	12°59	28°35	24°26	25°44	11°55	n.a.	T 5
F 6	2 35 57	8°13'20	2♓35	3° 6	25°28	14°40	20°23	4°45	17°26	13° 0	28°37	24°23	25°41	12° 2	n.a.	F 6
S 7	2 39 53	9°14'26	15°33	4°40	26°27	15°27	20°24	4°50	17°29	13° 2	28°39	24°18	25°38	12° 8	n.a.	S 7
S 8	2 43 50	10°15'33	28°17	6°14	27°25	16°14	20°25	4°54	17°32	13° 3	28°41	24°11	25°35	12°15	n.a.	S 8
M 9	2 47 47	11°16'41	10♈50	7°48	28°22	17° 1	20°26	4°58	17°35	13° 4	28°43	24° 4	25°31	12°22	n.a.	M 9
T 10	2 51 43	12°17'49	23°11	9°22	29°19	17°47	20°26	5° 3	17°37	13° 5	28°45	23°55	25°28	12°28	n.a.	T 10
W11	2 55 40	13°18'58	5♉23	10°56	0♑16	18°34	20°27	5° 7	17°40	13° 7	28°47	23°47	25°25	12°35	n.a.	W11
T 12	2 59 36	14°20'07	17°26	12°31	1°11	19°21	20°R27	5°11	17°42	13° 8	28°49	23°41	25°22	12°42	n.a.	T 12
F 13	3 3 33	15°21'17	29°22	14° 5	2° 7	20° 8	20°27	5°15	17°45	13°10	28°52	23°36	25°19	12°48	n.a.	F 13
S 14	3 7 29	16°22'28	11♊12	15°40	3° 1	20°55	20°26	5°19	17°47	13°11	28°54	23°33	25°15	12°55	n.a.	S 14
S 15	3 11 26	17°23'40	22°59	17°14	3°55	21°42	20°26	5°22	17°49	13°12	28°56	23°D32	25°12	13° 2	n.a.	S 15
M16	3 15 23	18°24'52	4♋46	18°49	4°49	22°29	20°25	5°26	17°52	13°14	28°58	23°33	25° 9	13° 8	n.a.	M16
T 17	3 19 19	19°26'05	16°36	20°24	5°41	23°16	20°25	5°30	17°54	13°15	29° 0	23°35	25° 6	13°15	n.a.	T 17
W18	3 23 16	20°27'19	28°34	21°59	6°33	24° 3	20°23	5°33	17°56	13°17	29° 2	23°37	25° 3	13°22	n.a.	W18
T 19	3 27 12	21°28'33	10♌44	23°34	7°25	24°50	20°22	5°37	17°59	13°18	29° 4	23°38	25° 0	13°28	n.a.	T 19
F 20	3 31 9	22°29'48	23°12	25°10	8°15	25°37	20°21	5°40	18° 1	13°20	29° 7	23°R39	24°56	13°35	n.a.	F 20
S 21	3 35 5	23°31'03	6♍ 1	26°46	9° 5	26°24	20°19	5°43	18° 3	13°22	29° 9	23°38	24°53	13°42	n.a.	S 21
S 22	3 39 2	24°32'19	19°17	28°22	9°54	27°11	20°17	5°46	18° 5	13°23	29°11	23°36	24°50	13°48	n.a.	S 22
M23	3 42 58	25°33'36	3♎ 1	29°58	10°41	27°58	20°15	5°49	18° 7	13°25	29°13	23°32	24°47	13°55	n.a.	M23
T 24	3 46 55	26°34'53	17°13	1♐34	11°28	28°46	20°13	5°52	18° 9	13°27	29°15	23°28	24°44	14° 1	n.a.	T 24
W25	3 50 52	27°36'10	1♏52	3°11	12°15	29°33	20°11	5°55	18°11	13°28	29°18	23°24	24°41	14° 8	n.a.	W25
T 26	3 54 48	28°37'28	16°50	4°48	13° 0	0♑20	20° 8	5°58	18°13	13°30	29°20	23°21	24°37	14°15	n.a.	T 26
F 27	3 58 45	29°38'46	2♐ 1	6°25	13°44	1° 7	20° 5	6° 1	18°14	13°32	29°22	23°19	24°34	14°21	n.a.	F 27
S 28	4 2 41	0♐40'04	17°13	8° 2	14°27	1°54	20° 2	6° 3	18°16	13°34	29°24	23°D17	24°31	14°28	n.a.	S 28
S 29	4 6 38	1°41'22	2♑17	9°39	15° 9	2°41	19°59	6° 6	18°18	13°35	29°26	23°18	24°28	14°35	n.a.	S 29
M30	4 10 34	2♐42'40	17♑ 6	11♐17	15♑49	3♑29	19♋56	6♍ 8	18♍20	13♑37	29♏28	23♐19	24♐25	14♊41	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s43	23s40	0s 5	9s29	0n27	26s41	3s18	23s31	1s10	22n50	0n38	11n57	2n 4	5n47	0n44	23s 7	0n 0	14s52	5n21	23s38	23s41	23n44		n.a.
M 2	13 4	22 19	1n12	10 10	0 20	26 45	3 17	23 37	1 10	22 49	0 38	11 56	2 4	5 46	0 44	23 7	0 0	14 52	5 20	23 38	23 41	23 44		n.a.
T 3	13 25	19 34	2 23	10 50	0 13	26 48	3 16	23 44	1 11	22 49	0 38	11 54	2 4	5 45	0 44	23 7	0 0	14 53	5 20	23 38	23 41	23 44		n.a.
W 4	13 45	15 45	3 25	11 30	0 6	26 51	3 15	23 50	1 11	22 49	0 38	11 52	2 4	5 44	0 44	23 6	0 0	14 54	5 20	23 38	23 41	23 44		n.a.
T 5	14 6	11 12	4 13	12 10	0s 0	26 52	3 14	23 56	1 11	22 49	0 39	11 51	2 5	5 43	0 44	23 6	0 0	14 54	5 20	23 38	23 41	23 44		n.a.
F 6	14 26	6 14	4 47	12 49	0 7	26 53	3 13	24 2	1 11	22 49	0 39	11 49	2 5	5 42	0 44	23 6	0 0	14 55	5 20	23 38	23 41	23 44		n.a.
S 7	14 46	1 5	5 5	13 27	0 13	26 54	3 12	24 7	1 11	22 49	0 39	11 48	2 5	5 41	0 44	23 6	0 0	14 55	5 20	23 38	23 41	23 44		n.a.
S 8	15 5	4n 0	5 8	14 5	0 20	26 53	3 10	24 13	1 11	22 50	0 39	11 47	2 5	5 40	0 44	23 6	0 0	14 56	5 19	23 37	23 41	23 44		n.a.
M 9	15 25	8 52	4 56	14 42	0 26	26 53	3 8	24 18	1 11	22 50	0 40	11 45	2 6	5 39	0 44	23 6	0 0	14 57	5 19	23 37	23 40	23 44		n.a.
T 10	15 44	13 17	4 30	15 19	0 33	26 51	3 6	24 22	1 12	22 50	0 40	11 44	2 6	5 38	0 44	23 6	0 0	14 57	5 19	23 37	23 40	23 44		n.a.
W11	16 2	17 7	3 52	15 55	0 39	26 49	3 4	24 27	1 12	22 50	0 40	11 43	2 6	5 37	0 44	23 6	0 0	14 58	5 19	23 36	23 40	23 44		n.a.
T 12	16 21	20 11	3 4	16 30	0 45	26 46	3 1	24 31	1 12	22 50	0 40	11 41	2 6	5 36	0 44	23 6	0 0	14 58	5 19	23 36	23 40	23 44		n.a.
F 13	16 39	22 21	2 8	17 5	0 51	26 43	2 59	24 34	1 12	22 51	0 41	11 40	2 7	5 35	0 44	23 5	0 0	14 59	5 19	23 36	23 40	23 44		n.a.
S 14	16 57	23 31	1 7	17 39	0 57	26 39	2 56	24 38	1 12	22 51	0 41	11 39	2 7	5 34	0 44	23 5	0 0	14 59	5 19	23 36	23 40	23 44		n.a.
S 15	17 15	23 37	0 3	18 12	1 3	26 34	2 53	24 41	1 12	22 51	0 41	11 38	2 7	5 33	0 44	23 5	0 0	15 0	5 18	23 35	23 40	23 44		n.a.
M16	17 32	22 39	1s 1	18 44	1 8	26 29	2 50	24 44	1 12	22 51	0 41	11 37	2 7	5 32	0 44	23 5	0 0	15 1	5 18	23 36	23 40	23 44		n.a.
T 17	17 49	20 40	2 3	19 16	1 14	26 23	2 46	24 47	1 12	22 52	0 42	11 35	2 8	5 31	0 44	23 5	0 0	15 1	5 18	23 36	23 40	23 44		n.a.
W18	18 6	17 47	3 0	19 46	1 19	26 17	2 42	24 49	1 12	22 52	0 42	11 34	2 8	5 30	0 44	23 5	0 0	15 2	5 18	23 36	23 39	23 44		n.a.
T 19	18 22	14 5	3 50	20 16	1 24	26 10	2 38	24 51	1 12	22 53	0 42	11 33	2 8	5 30	0 44	23 5	0s 0	15 2	5 18	23 36	23 39	23 44		n.a.
F 20	18 38	9 42	4 31	20 44	1 29	26 3	2 34	24 53	1 12	22 53	0 42	11 32	2 8	5 29	0 44	23 4	0 0	15 3	5 18	23 36	23 39	23 44		n.a.
S 21	18 54	4 47	4 59	21 12	1 33	25 55	2 29	24 55	1 13	22 54	0 43	11 31	2 9	5 28	0 44	23 4	0 0	15 4	5 18	23 36	23 39	23 44		n.a.
S 22	19 9	0s30	5 13	21 38	1 38	25 47	2 25	24 56	1 13	22 54	0 43	11 30	2 9	5 27	0 45	23 4	0 0	15 4	5 18	23 36	23 39	23 44		n.a.
M23	19 24	5 56	5 10	22 4	1 42	25 38	2 20	24 57	1 13	22 55	0 43	11 30	2 9	5 26	0 45	23 4	0 0	15 5	5 18	23 35	23 39	23 44		n.a.
T 24	19 39	11 16	4 48	22 28	1 46	25 29	2 14	24 57	1 13	22 55	0 43	11 29	2 9	5 26	0 45	23 4	0 0	15 5	5 17	23 35	23 39	23 44		n.a.
W25	19 53	16 7	4 6	22 51	1 49	25 19	2 9	24 58	1 13	22 56	0 44	11 28	2 10	5 25	0 45	23 4	0 0	15 6	5 17	23 35	23 39	23 44		n.a.
T 26	20 7	20 5	3 8	23 13	1 53	25 9	2 3	24 58	1 13	22 56	0 44	11 27	2 10	5 24	0 45	23 3	0 0	15 6	5 17	23 35	23 38	23 44		n.a.
F 27	20 20	22 42	1 55	23 34	1 56	24 58	1 57	24 57	1 13	22 57	0 44	11 26	2 10	5 24	0 45	23 3	0 0	15 7	5 17	23 35	23 38	23 44		n.a.
S 28	20 33	23 41	0 34	23 53	1 59	24 47	1 51	24 57	1 13	22 58	0 44	11 26	2 11	5 23	0 45	23 3	0 0	15 7	5 17	23 35	23 38	23 44		n.a.
S 29	20 46	22 54	0n50	24 11	2 1	24 36	1 44	24 56	1 13	22 58	0 44	11 25	2 11	5 22	0 45	23 3	0 0	15 8	5 17	23 35	23 38	23 44		n.a.
M30	20s58	20s32	2n 8	24s27	2s 3	24s24	1s37	24s55	1s13	22n59	0n45	11n24	2n11	5n22	0n45	23s 3	0s 0	15s 9	5n17	23s35	23s38	23n43		n.a.

Julian Day Number = 1551520.5, Delta T = 04h30m30s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'49, Lahiri = -10°22'48 Julian Calendar 1 Nov. 466 BCE == Greg. Calendar 27 Oct. 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 466 BCE
geocentric

DECEMBER 466 BCE (-465) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 14 31	3♐43'57	1♒33	12♐55	16♑29	4♑16	19°R52	6♍10	18♍21	13♑39	29♏31	23♐20	24♐21	14♊48	n.a.	T 1
W 2	4 18 27	4°45'14	15°35	14°33	17° 7	5° 3	19♋49	6°12	18°23	13°41	29°33	23°21	24°18	14°55	n.a.	W 2
T 3	4 22 24	5°46'31	29°12	16°11	17°44	5°50	19°45	6°14	18°24	13°43	29°35	23°22	24°15	15° 1	n.a.	T 3
F 4	4 26 21	6°47'46	12♓26	17°49	18°20	6°38	19°41	6°16	18°26	13°45	29°37	23°R22	24°12	15° 8	n.a.	F 4
S 5	4 30 17	7°49'02	25°19	19°27	18°54	7°25	19°36	6°18	18°27	13°47	29°39	23°21	24° 9	15°15	n.a.	S 5
S 6	4 34 14	8°50'17	7♈53	21° 5	19°26	8°12	19°32	6°20	18°28	13°48	29°41	23°20	24° 6	15°21	n.a.	S 6
M 7	4 38 10	9°51'31	20°13	22°43	19°57	8°59	19°27	6°22	18°30	13°50	29°44	23°18	24° 2	15°28	n.a.	M 7
T 8	4 42 7	10°52'45	2♉22	24°20	20°27	9°46	19°22	6°23	18°31	13°52	29°46	23°16	23°59	15°35	n.a.	T 8
W 9	4 46 3	11°53'58	14°22	25°57	20°55	10°34	19°18	6°25	18°32	13°54	29°48	23°14	23°56	15°41	n.a.	W 9
T 10	4 50 0	12°55'11	26°15	27°33	21°21	11°21	19°12	6°26	18°33	13°56	29°50	23°13	23°53	15°48	n.a.	T 10
F 11	4 53 57	13°56'23	8♊ 5	29° 8	21°45	12° 8	19° 7	6°27	18°34	13°58	29°52	23°12	23°50	15°54	n.a.	F 11
S 12	4 57 53	14°57'34	19°53	0♑42	22° 7	12°55	19° 2	6°28	18°35	14° 0	29°54	23°D11	23°47	16° 1	n.a.	S 12
S 13	5 1 50	15°58'45	1♋41	2°14	22°28	13°43	18°56	6°29	18°36	14° 2	29°56	23°11	23°43	16° 8	n.a.	S 13
M14	5 5 46	16°59'56	13°32	3°45	22°46	14°30	18°51	6°30	18°37	14° 5	29°59	23°12	23°40	16°14	n.a.	M14
T 15	5 9 43	18° 1'06	25°27	5°13	23° 2	15°17	18°45	6°31	18°38	14° 7	0♐ 1	23°12	23°37	16°21	n.a.	T 15
W16	5 13 39	19° 2'16	7♌30	6°39	23°17	16° 4	18°39	6°32	18°39	14° 9	0° 3	23°13	23°34	16°28	n.a.	W16
T 17	5 17 36	20° 3'25	19°45	8° 1	23°29	16°51	18°33	6°32	18°40	14°11	0° 5	23°13	23°31	16°34	n.a.	T 17
F 18	5 21 32	21° 4'33	2♍13	9°20	23°38	17°39	18°26	6°33	18°40	14°13	0° 7	23°14	23°27	16°41	n.a.	F 18
S 19	5 25 29	22° 5'41	15° 0	10°34	23°46	18°26	18°20	6°33	18°41	14°15	0° 9	23°14	23°24	16°48	n.a.	S 19
S 20	5 29 26	23° 6'48	28° 9	11°43	23°51	19°13	18°13	6°33	18°42	14°17	0°11	23°14	23°21	16°54	n.a.	S 20
M21	5 33 22	24° 7'55	11♎41	12°46	23°54	20° 0	18° 7	6°34	18°42	14°19	0°13	23°14	23°18	17° 1	n.a.	M21
T 22	5 37 19	25° 9'01	25°39	13°42	23°R54	20°47	18° 0	6°R34	18°43	14°22	0°15	23°14	23°15	17° 8	n.a.	T 22
W23	5 41 15	26°10'07	10♏ 3	14°31	23°52	21°34	17°53	6°34	18°43	14°24	0°17	23°14	23°12	17°14	n.a.	W23
T 24	5 45 12	27°11'12	24°49	15°11	23°47	22°21	17°46	6°33	18°43	14°26	0°19	23°14	23° 8	17°21	n.a.	T 24
F 25	5 49 8	28°12'16	9♐52	15°42	23°40	23° 9	17°39	6°33	18°44	14°28	0°21	23°15	23° 5	17°28	n.a.	F 25
S 26	5 53 5	29°13'19	25° 4	16° 2	23°30	23°56	17°32	6°33	18°44	14°30	0°23	23°R15	23° 2	17°34	n.a.	S 26
S 27	5 57 1	0♑14'21	10♑15	16°R12	23°18	24°43	17°25	6°32	18°44	14°33	0°25	23°15	22°59	17°41	n.a.	S 27
M28	6 0 58	1°15'22	25°16	16°11	23° 3	25°30	17°17	6°32	18°44	14°35	0°27	23°14	22°56	17°47	n.a.	M28
T 29	6 4 55	2°16'22	9♒58	15°59	22°46	26°17	17°10	6°31	18°44	14°37	0°29	23°13	22°53	17°54	n.a.	T 29
W30	6 8 51	3°17'20	24°16	15°35	22°27	27° 4	17° 2	6°30	18°R44	14°39	0°31	23°12	22°49	18° 1	n.a.	W30
T 31	6 12 48	4♑18'17	8♓ 6	15♑ 1	22♑ 5	27♑51	16♋55	6♍29	18♍44	14♑41	0♐33	23♐11	22♐46	18♊ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	21s10	16s53	3n16	24s42	2s 5	24s12	1s30	24s53	1s12	23n 0	0n45	11n24	2n11	5n21	0n45	23s 3	0s 0	15s 9	5n17	23s35	23s38	23n43		n.a.	T 1
W 2	21 22	12 23	4 11	24 56	2 6	24 0	1 22	24 52	1 12	23 1	0 45	11 23	2 12	5 20	0 45	23 2	0 0	15 10	5 17	23 35	23 38	23 43		n.a.	W 2
T 3	21 33	7 23	4 49	25 7	2 7	23 47	1 14	24 50	1 12	23 2	0 45	11 23	2 12	5 20	0 45	23 2	0 0	15 10	5 17	23 35	23 37	23 43		n.a.	T 3
F 4	21 44	2 12	5 11	25 18	2 7	23 34	1 6	24 47	1 12	23 2	0 46	11 22	2 12	5 19	0 45	23 2	0 0	15 11	5 16	23 35	23 37	23 43		n.a.	F 4
S 5	21 54	2n57	5 16	25 26	2 7	23 21	0 57	24 45	1 12	23 3	0 46	11 22	2 12	5 19	0 45	23 2	0 0	15 11	5 16	23 35	23 37	23 43		n.a.	S 5
S 6	22 4	7 51	5 7	25 33	2 6	23 7	0 49	24 42	1 12	23 4	0 46	11 21	2 13	5 18	0 45	23 2	0 0	15 12	5 16	23 35	23 37	23 43		n.a.	S 6
M 7	22 13	12 21	4 43	25 38	2 5	22 54	0 39	24 38	1 12	23 5	0 46	11 21	2 13	5 18	0 45	23 1	0 0	15 12	5 16	23 35	23 37	23 43		n.a.	M 7
T 8	22 22	16 18	4 6	25 41	2 3	22 40	0 30	24 35	1 12	23 6	0 47	11 21	2 13	5 17	0 45	23 1	0 0	15 13	5 16	23 35	23 37	23 43		n.a.	T 8
W 9	22 31	19 31	3 19	25 42	2 1	22 26	0 20	24 31	1 12	23 7	0 47	11 20	2 14	5 17	0 45	23 1	0 0	15 13	5 16	23 35	23 37	23 42		n.a.	W 9
T 10	22 39	21 54	2 24	25 41	1 58	22 12	0 10	24 27	1 12	23 8	0 47	11 20	2 14	5 17	0 45	23 1	0 0	15 14	5 16	23 34	23 36	23 42		n.a.	T 10
F 11	22 46	23 18	1 23	25 39	1 54	21 57	0n 1	24 23	1 12	23 9	0 47	11 20	2 14	5 16	0 45	23 1	0 0	15 14	5 16	23 34	23 36	23 42		n.a.	F 11
S 12	22 53	23 40	0 18	25 34	1 49	21 43	0 12	24 18	1 12	23 10	0 48	11 20	2 14	5 16	0 45	23 0	0 0	15 15	5 16	23 34	23 36	23 42		n.a.	S 12
S 13	23 0	22 57	0s47	25 28	1 44	21 29	0 23	24 13	1 11	23 11	0 48	11 20	2 15	5 15	0 45	23 0	0 0	15 15	5 16	23 34	23 36	23 42		n.a.	S 13
M14	23 6	21 13	1 51	25 20	1 38	21 14	0 34	24 8	1 11	23 12	0 48	11 20	2 15	5 15	0 45	23 0	0 0	15 16	5 16	23 34	23 36	23 42		n.a.	M14
T 15	23 12	18 32	2 50	25 10	1 31	21 0	0 46	24 2	1 11	23 13	0 48	11 20	2 15	5 15	0 45	23 0	0 0	15 16	5 16	23 34	23 36	23 41		n.a.	T 15
W16	23 18	15 3	3 43	24 58	1 23	20 45	0 59	23 57	1 11	23 14	0 48	11 20	2 16	5 15	0 45	23 0	0 0	15 17	5 16	23 34	23 36	23 41		n.a.	W16
T 17	23 22	10 53	4 26	24 44	1 14	20 31	1 11	23 51	1 11	23 15	0 49	11 20	2 16	5 14	0 45	22 59	0 0	15 17	5 16	23 35	23 35	23 41		n.a.	T 17
F 18	23 27	6 12	4 57	24 29	1 4	20 16	1 24	23 44	1 11	23 16	0 49	11 20	2 16	5 14	0 46	22 59	0 0	15 18	5 16	23 35	23 35	23 41		n.a.	F 18
S 19	23 31	1 9	5 15	24 13	0 53	20 2	1 37	23 38	1 11	23 17	0 49	11 20	2 16	5 14	0 46	22 59	0 0	15 18	5 16	23 35	23 35	23 41		n.a.	S 19
S 20	23 34	4s 5	5 17	23 55	0 41	19 48	1 51	23 31	1 10	23 18	0 49	11 20	2 17	5 14	0 46	22 59	0 0	15 19	5 16	23 35	23 35	23 40		n.a.	S 20
M21	23 37	9 18	5 2	23 36	0 28	19 34	2 5	23 24	1 10	23 19	0 49	11 20	2 17	5 13	0 46	22 59	0 0	15 19	5 16	23 35	23 35	23 40		n.a.	M21
T 22	23 40	14 12	4 29	23 17	0 14	19 20	2 19	23 16	1 10	23 21	0 50	11 20	2 17	5 13	0 46	22 58	0 0	15 20	5 16	23 35	23 35	23 40		n.a.	T 22
W23	23 42	18 28	3 38	22 56	0n 0	19 6	2 33	23 9	1 10	23 22	0 50	11 21	2 18	5 13	0 46	22 58	0 0	15 20	5 16	23 35	23 34	23 40		n.a.	W23
T 24	23 43	21 40	2 32	22 36	0 16	18 53	2 47	23 1	1 10	23 23	0 50	11 21	2 18	5 13	0 46	22 58	0 0	15 20	5 15	23 35	23 34	23 40		n.a.	T 24
F 25	23 44	23 26	1 14	22 16	0 33	18 40	3 2	22 53	1 9	23 24	0 50	11 21	2 18	5 13	0 46	22 58	0 0	15 21	5 15	23 35	23 34	23 39		n.a.	F 25
S 26	23 45	23 29	0n10	21 56	0 51	18 27	3 17	22 44	1 9	23 25	0 50	11 22	2 18	5 13	0 46	22 57	0 0	15 21	5 15	23 35	23 34	23 39		n.a.	S 26
S 27	23 45	21 48	1 33	21 37	1 9	18 14	3 32	22 35	1 9	23 26	0 51	11 22	2 19	5 13	0 46	22 57	0 0	15 22	5 15	23 35	23 34	23 39		n.a.	S 27
M28	23 45	18 36	2 49	21 19	1 27	18 2	3 47	22 26	1 9	23 27	0 51	11 23	2 19	5 13	0 46	22 57	0 0	15 22	5 15	23 35	23 34	23 39		n.a.	M28
T 29	23 44	14 16	3 52	21 2	1 45	17 50	4 2	22 17	1 8	23 28	0 51	11 23	2 19	5 13	0 46	22 57	0 0	15 23	5 15	23 34	23 33	23 38		n.a.	T 29
W30	23 43	9 14	4 38	20 47	2 4	17 38	4 17	22 8	1 8	23 30	0 51	11 24	2 20	5 13	0 46	22 57	0 0	15 23	5 15	23 34	23 33	23 38		n.a.	W30
T 31	23s41	3s54	5n 7	20s33	2n21	17s27	4n32	21s58	1s 8	23n31	0n51	11n24	2n20	5n13	0n46	22s56	0s 1	15s23	5n15	23s34	23s33	23n38		n.a.	T 31

Julian Day Number = 1551550.5, Delta T = 04h30m29s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'45, Lahiri = -10°22'44 Julian Calendar 1 Dec. 466 BCE == Greg. Calendar 26 Nov. 466 BCE

The year -465 astronomical counting style corresponds to year 466 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

JANUARY 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 16 44	5♑19'12	21♓28	14°R16	21°R40	28♑38	16°R47	6°R28	18°R44	14♑44	0♐35	23°R10	22♐43	18♊14	n.a.	F 1
S 2	6 20 41	6°20'06	4♈25	13♑23	21♑14	29°25	16♋40	6♍27	18♍44	14°46	0°36	23°D 9	22°40	18°21	n.a.	S 2
S 3	6 24 37	7°20'58	17° 0	12°22	20°45	0♒12	16°32	6°26	18°44	14°48	0°38	23♐ 9	22°37	18°27	n.a.	S 3
M 4	6 28 34	8°21'48	29°16	11°15	20°15	0°59	16°24	6°25	18°43	14°51	0°40	23°10	22°33	18°34	n.a.	M 4
T 5	6 32 31	9°22'37	11♉19	10° 5	19°43	1°46	16°16	6°23	18°43	14°53	0°42	23°12	22°30	18°41	n.a.	T 5
W 6	6 36 27	10°23'24	23°13	8°52	19°10	2°33	16° 8	6°22	18°43	14°55	0°44	23°13	22°27	18°47	n.a.	W 6
T 7	6 40 24	11°24'10	5♊ 1	7°41	18°35	3°20	16° 0	6°20	18°42	14°57	0°45	23°15	22°24	18°54	n.a.	T 7
F 8	6 44 20	12°24'54	16°48	6°31	17°59	4° 6	15°53	6°18	18°42	15° 0	0°47	23°16	22°21	19° 1	n.a.	F 8
S 9	6 48 17	13°25'36	28°36	5°25	17°22	4°53	15°45	6°17	18°41	15° 2	0°49	23°R16	22°18	19° 7	n.a.	S 9
S 10	6 52 13	14°26'17	10♋28	4°25	16°45	5°40	15°37	6°15	18°41	15° 4	0°51	23°15	22°14	19°14	n.a.	S 10
M11	6 56 10	15°26'57	22°26	3°31	16° 7	6°27	15°29	6°13	18°40	15° 6	0°52	23°12	22°11	19°21	n.a.	M11
T 12	7 0 6	16°27'34	4♌32	2°43	15°30	7°14	15°21	6°10	18°39	15° 9	0°54	23° 9	22° 8	19°27	n.a.	T 12
W13	7 4 3	17°28'10	16°48	2° 4	14°53	8° 0	15°13	6° 8	18°39	15°11	0°56	23° 5	22° 5	19°34	n.a.	W13
T 14	7 8 0	18°28'45	29°14	1°32	14°16	8°47	15° 5	6° 6	18°38	15°13	0°57	23° 1	22° 2	19°40	n.a.	T 14
F 15	7 11 56	19°29'18	11♍54	1° 9	13°39	9°34	14°57	6° 4	18°37	15°16	0°59	22°57	21°59	19°47	n.a.	F 15
S 16	7 15 53	20°29'50	24°47	0°52	13° 4	10°20	14°49	6° 1	18°36	15°18	1° 0	22°53	21°55	19°54	n.a.	S 16
S 17	7 19 49	21°30'20	7♎56	0°44	12°30	11° 7	14°41	5°59	18°35	15°20	1° 2	22°51	21°52	20° 0	n.a.	S 17
M18	7 23 46	22°30'49	21°23	0°D43	11°58	11°53	14°33	5°56	18°34	15°22	1° 3	22°D50	21°49	20° 7	n.a.	M18
T 19	7 27 42	23°31'16	5♏10	0°48	11°27	12°40	14°26	5°53	18°33	15°25	1° 5	22°51	21°46	20°14	n.a.	T 19
W20	7 31 39	24°31'42	19°16	1° 0	10°58	13°26	14°18	5°50	18°32	15°27	1° 6	22°52	21°43	20°20	n.a.	W20
T 21	7 35 35	25°32'07	3♐42	1°18	10°31	14°13	14°10	5°47	18°31	15°29	1° 8	22°54	21°39	20°27	n.a.	T 21
F 22	7 39 32	26°32'30	18°24	1°41	10° 5	14°59	14° 3	5°44	18°29	15°31	1° 9	22°R55	21°36	20°34	n.a.	F 22
S 23	7 43 29	27°32'51	3♑17	2°10	9°43	15°46	13°55	5°41	18°28	15°34	1°11	22°54	21°33	20°40	n.a.	S 23
S 24	7 47 25	28°33'11	18°15	2°43	9°22	16°32	13°47	5°38	18°27	15°36	1°12	22°52	21°30	20°47	n.a.	S 24
M25	7 51 22	29°33'29	3♒10	3°21	9° 4	17°18	13°40	5°35	18°26	15°38	1°14	22°48	21°27	20°54	n.a.	M25
T 26	7 55 18	0♒33'45	17°52	4° 3	8°48	18° 5	13°33	5°32	18°24	15°40	1°15	22°43	21°24	21° 0	n.a.	T 26
W27	7 59 15	1°33'59	2♓15	4°49	8°34	18°51	13°25	5°28	18°23	15°43	1°16	22°37	21°20	21° 7	n.a.	W27
T 28	8 3 11	2°34'10	16°12	5°39	8°23	19°37	13°18	5°25	18°21	15°45	1°17	22°30	21°17	21°14	n.a.	T 28
F 29	8 7 8	3°34'20	29°43	6°31	8°15	20°23	13°11	5°21	18°20	15°47	1°19	22°25	21°14	21°20	n.a.	F 29
S 30	8 11 4	4°34'27	12♈46	7°27	8° 9	21°10	13° 4	5°18	18°18	15°49	1°20	22°21	21°11	21°27	n.a.	S 30
S 31	8 15 1	5♒34'32	25♈26	8♑26	8♑ 5	21♒56	12♋57	5♍14	18♍16	15♑51	1♐21	22♐18	21♐ 8	21♊33	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s39	1n26	5n17	20s21	2n38	17s16	4n46	21s48	1s 8	23n32	0n51	11n25	2n20	5n13	0n46	22s56	0s 1	15s24	5n15	23s34	23s33	23n37		n.a.
S 2	23 36	6 32	5 11	20 12	2 53	17 6	5 1	21 38	1 7	23 33	0 52	11 26	2 20	5 13	0 46	22 56	0 1	15 24	5 15	23 34	23 33	23 37		n.a.
S 3	23 33	11 13	4 51	20 4	3 7	16 56	5 15	21 28	1 7	23 34	0 52	11 26	2 21	5 13	0 46	22 56	0 1	15 24	5 15	23 34	23 33	23 37		n.a.
M 4	23 29	15 21	4 17	19 57	3 19	16 46	5 29	21 17	1 7	23 35	0 52	11 27	2 21	5 13	0 46	22 55	0 1	15 25	5 15	23 34	23 32	23 37		n.a.
T 5	23 25	18 47	3 32	19 53	3 29	16 38	5 43	21 6	1 7	23 36	0 52	11 28	2 21	5 14	0 46	22 55	0 1	15 25	5 15	23 34	23 32	23 36		n.a.
W 6	23 20	21 23	2 39	19 51	3 37	16 29	5 56	20 55	1 6	23 37	0 52	11 29	2 21	5 14	0 46	22 55	0 1	15 26	5 15	23 34	23 32	23 36		n.a.
T 7	23 15	23 2	1 39	19 50	3 42	16 22	6 8	20 44	1 6	23 39	0 52	11 30	2 22	5 14	0 46	22 55	0 1	15 26	5 15	23 35	23 32	23 36		n.a.
F 8	23 10	23 41	0 36	19 51	3 44	16 15	6 20	20 33	1 6	23 40	0 53	11 30	2 22	5 14	0 46	22 54	0 1	15 26	5 15	23 35	23 32	23 35		n.a.
S 9	23 4	23 15	0s29	19 54	3 45	16 8	6 32	20 21	1 5	23 41	0 53	11 31	2 22	5 14	0 46	22 54	0 1	15 27	5 15	23 35	23 31	23 35		n.a.
S 10	22 57	21 47	1 34	19 58	3 43	16 2	6 42	20 9	1 5	23 42	0 53	11 32	2 22	5 15	0 46	22 54	0 1	15 27	5 15	23 35	23 31	23 35		n.a.
M11	22 51	19 19	2 34	20 3	3 39	15 57	6 52	19 57	1 5	23 43	0 53	11 33	2 23	5 15	0 46	22 54	0 1	15 27	5 15	23 34	23 31	23 34		n.a.
T 12	22 43	16 0	3 28	20 9	3 34	15 52	7 1	19 45	1 4	23 44	0 53	11 34	2 23	5 15	0 47	22 53	0 1	15 28	5 15	23 34	23 31	23 34		n.a.
W13	22 36	11 59	4 14	20 17	3 27	15 48	7 9	19 32	1 4	23 45	0 53	11 35	2 23	5 16	0 47	22 53	0 1	15 28	5 15	23 34	23 31	23 34		n.a.
T 14	22 27	7 24	4 48	20 26	3 19	15 45	7 16	19 19	1 4	23 46	0 53	11 37	2 23	5 16	0 47	22 53	0 1	15 28	5 16	23 34	23 30	23 33		n.a.
F 15	22 19	2 27	5 8	20 35	3 10	15 42	7 23	19 6	1 3	23 47	0 53	11 38	2 24	5 16	0 47	22 53	0 1	15 29	5 16	23 34	23 30	23 33		n.a.
S 16	22 10	2s41	5 14	20 45	3 0	15 40	7 28	18 53	1 3	23 48	0 53	11 39	2 24	5 17	0 47	22 52	0 1	15 29	5 16	23 33	23 30	23 33		n.a.
S 17	22 0	7 49	5 3	20 56	2 49	15 38	7 33	18 40	1 3	23 49	0 54	11 40	2 24	5 17	0 47	22 52	0 1	15 29	5 16	23 33	23 30	23 32		n.a.
M18	21 51	12 42	4 36	21 7	2 38	15 37	7 37	18 27	1 2	23 50	0 54	11 41	2 24	5 18	0 47	22 52	0 1	15 29	5 16	23 33	23 30	23 32		n.a.
T 19	21 40	17 3	3 52	21 19	2 26	15 37	7 40	18 13	1 2	23 51	0 54	11 42	2 25	5 18	0 47	22 52	0 1	15 30	5 16	23 33	23 29	23 31		n.a.
W20	21 30	20 33	2 54	21 31	2 14	15 37	7 42	17 59	1 2	23 52	0 54	11 44	2 25	5 19	0 47	22 51	0 1	15 30	5 16	23 33	23 29	23 31		n.a.
T 21	21 19	22 51	1 43	21 42	2 2	15 38	7 43	17 45	1 1	23 53	0 54	11 45	2 25	5 19	0 47	22 51	0 1	15 30	5 16	23 33	23 29	23 31		n.a.
F 22	21 7	23 39	0 25	21 54	1 50	15 40	7 43	17 31	1 1	23 54	0 54	11 46	2 25	5 20	0 47	22 51	0 1	15 30	5 16	23 34	23 29	23 30		n.a.
S 23	20 55	22 46	0n56	22 5	1 39	15 41	7 43	17 17	1 0	23 55	0 54	11 48	2 26	5 20	0 47	22 51	0 1	15 31	5 16	23 33	23 29	23 30		n.a.
S 24	20 43	20 16	2 14	22 17	1 27	15 44	7 42	17 2	1 0	23 56	0 54	11 49	2 26	5 21	0 47	22 50	0 1	15 31	5 16	23 33	23 28	23 29		n.a.
M25	20 31	16 26	3 22	22 27	1 15	15 47	7 40	16 48	1 0	23 56	0 54	11 50	2 26	5 21	0 47	22 50	0 1	15 31	5 16	23 33	23 28	23 29		n.a.
T 26	20 18	11 37	4 15	22 38	1 4	15 50	7 38	16 33	0 59	23 57	0 54	11 52	2 26	5 22	0 47	22 50	0 1	15 31	5 16	23 33	23 28	23 29		n.a.
W27	20 4	6 17	4 51	22 48	0 52	15 54	7 35	16 18	0 59	23 58	0 54	11 53	2 26	5 22	0 47	22 50	0 1	15 32	5 16	23 33	23 28	23 28		n.a.
T 28	19 51	0 47	5 9	22 57	0 41	15 58	7 32	16 3	0 58	23 59	0 55	11 55	2 27	5 23	0 47	22 49	0 1	15 32	5 16	23 32	23 28	23 28		n.a.
F 29	19 36	4n35	5 8	23 5	0 30	16 3	7 27	15 48	0 58	24 0	0 55	11 56	2 27	5 24	0 47	22 49	0 1	15 32	5 16	23 32	23 27	23 27		n.a.
S 30	19 22	9 34	4 51	23 13	0 20	16 8	7 23	15 32	0 58	24 0	0 55	11 58	2 27	5 24	0 47	22 49	0 1	15 32	5 16	23 32	23 27	23 27		n.a.
S 31	19s 7	13n59	4n21	23s19	0n 9	16s13	7n18	15s17	0s57	24n 1	0n55	11n59	2n27	5n25	0n47	22s49	0s 1	15s32	5n16	23s31	23s27	23n26		n.a.

Julian Day Number = 1551581.5, Delta T = 04h30m28s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'40, Lahiri = -10°22'40 Julian Calendar 1 Jan. 465 BCE == Greg. Calendar 27 Dec. 466 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

FEBRUARY 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 18 58	6♒34'35	7♉44	9♑27	8°D 4	22♒42	12°R50	5°R10	18°R15	15♑53	1♐22	22°D18	21♐ 4	21♊40	n.a.	M 1
T 2	8 22 54	7°34'35	19°47	10°31	8♑ 5	23°28	12♋44	5♍ 7	18♍13	15°56	1°23	22♐19	21° 1	21°47	n.a.	T 2
W 3	8 26 51	8°34'34	1♊39	11°37	8° 9	24°14	12°37	5° 3	18°11	15°58	1°24	22°20	20°58	21°53	n.a.	W 3
T 4	8 30 47	9°34'30	13°27	12°45	8°15	25° 0	12°31	4°59	18°10	16° 0	1°26	22°21	20°55	22° 0	n.a.	T 4
F 5	8 34 44	10°34'23	25°13	13°56	8°23	25°46	12°25	4°55	18° 8	16° 2	1°27	22°R22	20°52	22° 7	n.a.	F 5
S 6	8 38 40	11°34'15	7♋ 4	15° 8	8°33	26°32	12°18	4°51	18° 6	16° 4	1°28	22°20	20°49	22°13	n.a.	S 6
S 7	8 42 37	12°34'04	19° 2	16°22	8°46	27°17	12°12	4°47	18° 4	16° 6	1°29	22°17	20°45	22°20	n.a.	S 7
M 8	8 46 33	13°33'51	1♌10	17°38	9° 0	28° 3	12° 7	4°43	18° 2	16° 8	1°30	22°11	20°42	22°27	n.a.	M 8
T 9	8 50 30	14°33'36	13°29	18°56	9°17	28°49	12° 1	4°39	18° 0	16°10	1°31	22° 3	20°39	22°33	n.a.	T 9
W10	8 54 27	15°33'19	26° 2	20°16	9°36	29°35	11°55	4°34	17°58	16°12	1°31	21°54	20°36	22°40	n.a.	W10
T 11	8 58 23	16°33'00	8♍47	21°37	9°56	0♓20	11°50	4°30	17°56	16°14	1°32	21°44	20°33	22°47	n.a.	T 11
F 12	9 2 20	17°32'38	21°45	22°59	10°19	1° 6	11°44	4°26	17°54	16°16	1°33	21°34	20°30	22°53	n.a.	F 12
S 13	9 6 16	18°32'15	4♎55	24°23	10°43	1°51	11°39	4°21	17°52	16°18	1°34	21°25	20°26	23° 0	n.a.	S 13
S 14	9 10 13	19°31'50	18°17	25°49	11° 9	2°37	11°34	4°17	17°50	16°20	1°35	21°19	20°23	23° 6	n.a.	S 14
M15	9 14 9	20°31'22	1♏51	27°16	11°36	3°22	11°29	4°13	17°48	16°22	1°35	21°15	20°20	23°13	n.a.	M15
T 16	9 18 6	21°30'54	15°37	28°44	12° 5	4° 8	11°25	4° 8	17°45	16°24	1°36	21°D13	20°17	23°20	n.a.	T 16
W17	9 22 2	22°30'23	29°35	0♒14	12°36	4°53	11°20	4° 4	17°43	16°26	1°37	21°13	20°14	23°26	n.a.	W17
T 18	9 25 59	23°29'50	13♐44	1°45	13° 8	5°39	11°16	3°59	17°41	16°28	1°38	21°R14	20°10	23°33	n.a.	T 18
F 19	9 29 55	24°29'16	28° 5	3°18	13°42	6°24	11°12	3°55	17°39	16°30	1°38	21°14	20° 7	23°40	n.a.	F 19
S 20	9 33 52	25°28'40	12♑34	4°52	14°16	7° 9	11° 8	3°50	17°36	16°32	1°39	21°12	20° 4	23°46	n.a.	S 20
S 21	9 37 49	26°28'02	27° 7	6°27	14°53	7°54	11° 4	3°46	17°34	16°34	1°39	21° 8	20° 1	23°53	n.a.	S 21
M22	9 41 45	27°27'22	11♒40	8° 4	15°30	8°40	11° 0	3°41	17°32	16°36	1°40	21° 1	19°58	24° 0	n.a.	M22
T 23	9 45 42	28°26'39	26° 5	9°42	16° 9	9°25	10°57	3°37	17°29	16°38	1°40	20°52	19°55	24° 6	n.a.	T 23
W24	9 49 38	29°25'55	10♓16	11°21	16°48	10°10	10°53	3°32	17°27	16°39	1°41	20°41	19°51	24°13	n.a.	W24
T 25	9 53 35	0♓25'08	24° 8	13° 2	17°29	10°55	10°50	3°27	17°24	16°41	1°41	20°29	19°48	24°20	n.a.	T 25
F 26	9 57 31	1°24'19	7♈37	14°44	18°11	11°40	10°47	3°23	17°22	16°43	1°42	20°19	19°45	24°26	n.a.	F 26
S 27	10 1 28	2°23'27	20°41	16°28	18°54	12°25	10°44	3°18	17°20	16°45	1°42	20°10	19°42	24°33	n.a.	S 27
S 28	10 5 24	3°22'34	3♉22	18°12	19°38	13°10	10°42	3°13	17°17	16°46	1°42	20° 4	19°39	24°40	n.a.	S 28
M29	10 9 21	4♓21'37	15♉43	19♒59	20♑22	13♓54	10♋39	3♍ 9	17♍15	16♑48	1♐43	20♐ 1	19♐36	24♊46	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s52	17n42	3n38	23s25	0s 1	16s19	7n12	15s 1	0s57	24n 2	0n55	12n 1	2n27	5n26	0n47	22s48	0s 1	15s33	5n16	23s31	23s27	23n26		n.a.
T 2	18 37	20 36	2 47	23 30	0 10	16 24	7 7	14 45	0 56	24 2	0 55	12 3	2 28	5 26	0 47	22 48	0 1	15 33	5 16	23 31	23 27	23 25		n.a.
W 3	18 21	22 33	1 50	23 34	0 20	16 30	7 0	14 30	0 56	24 3	0 55	12 4	2 28	5 27	0 47	22 48	0 1	15 33	5 16	23 32	23 26	23 25		n.a.
T 4	18 5	23 30	0 48	23 36	0 29	16 36	6 54	14 14	0 55	24 4	0 55	12 6	2 28	5 28	0 47	22 48	0 1	15 33	5 16	23 32	23 26	23 25		n.a.
F 5	17 49	23 24	0s15	23 38	0 37	16 43	6 47	13 57	0 55	24 4	0 55	12 7	2 28	5 29	0 47	22 47	0 1	15 33	5 16	23 32	23 26	23 24		n.a.
S 6	17 32	22 15	1 19	23 38	0 46	16 49	6 40	13 41	0 54	24 5	0 55	12 9	2 28	5 29	0 47	22 47	0 1	15 33	5 16	23 32	23 26	23 24		n.a.
S 7	17 15	20 5	2 19	23 37	0 54	16 55	6 33	13 25	0 54	24 6	0 55	12 11	2 28	5 30	0 47	22 47	0 1	15 33	5 17	23 31	23 25	23 23		n.a.
M 8	16 58	17 1	3 13	23 35	1 2	17 2	6 26	13 8	0 54	24 6	0 55	12 12	2 29	5 31	0 47	22 47	0 1	15 34	5 17	23 31	23 25	23 23		n.a.
T 9	16 41	13 10	4 0	23 32	1 9	17 8	6 18	12 52	0 53	24 7	0 55	12 14	2 29	5 32	0 47	22 46	0 1	15 34	5 17	23 31	23 25	23 22		n.a.
W10	16 23	8 41	4 35	23 27	1 16	17 15	6 10	12 35	0 53	24 7	0 55	12 16	2 29	5 33	0 47	22 46	0 1	15 34	5 17	23 30	23 25	23 22		n.a.
T 11	16 5	3 47	4 58	23 21	1 22	17 21	6 2	12 19	0 52	24 8	0 55	12 17	2 29	5 33	0 47	22 46	0 1	15 34	5 17	23 29	23 25	23 21		n.a.
F 12	15 47	1s21	5 5	23 13	1 29	17 27	5 54	12 2	0 52	24 8	0 55	12 19	2 29	5 34	0 47	22 46	0 1	15 34	5 17	23 29	23 24	23 21		n.a.
S 13	15 28	6 31	4 57	23 4	1 34	17 34	5 46	11 45	0 51	24 9	0 55	12 21	2 29	5 35	0 47	22 45	0 1	15 34	5 17	23 28	23 24	23 20		n.a.
S 14	15 9	11 27	4 33	22 54	1 40	17 40	5 38	11 28	0 51	24 9	0 55	12 23	2 29	5 36	0 47	22 45	0 1	15 34	5 17	23 28	23 24	23 19		n.a.
M15	14 50	15 54	3 53	22 42	1 45	17 45	5 30	11 11	0 50	24 10	0 55	12 24	2 30	5 37	0 48	22 45	0 1	15 34	5 17	23 27	23 24	23 19		n.a.
T 16	14 31	19 34	2 59	22 28	1 50	17 51	5 22	10 54	0 50	24 10	0 55	12 26	2 30	5 38	0 48	22 45	0 1	15 34	5 17	23 27	23 23	23 18		n.a.
W17	14 11	22 10	1 53	22 13	1 54	17 57	5 13	10 36	0 49	24 10	0 55	12 28	2 30	5 39	0 48	22 45	0 1	15 35	5 17	23 27	23 23	23 18		n.a.
T 18	13 52	23 24	0 40	21 56	1 58	18 2	5 5	10 19	0 49	24 11	0 55	12 30	2 30	5 39	0 48	22 44	0 1	15 35	5 17	23 27	23 23	23 17		n.a.
F 19	13 32	23 8	0n36	21 38	2 1	18 7	4 57	10 2	0 48	24 11	0 55	12 31	2 30	5 40	0 48	22 44	0 1	15 35	5 17	23 27	23 23	23 17		n.a.
S 20	13 12	21 18	1 51	21 18	2 4	18 12	4 48	9 44	0 48	24 11	0 55	12 33	2 30	5 41	0 48	22 44	0 1	15 35	5 17	23 27	23 22	23 16		n.a.
S 21	12 51	18 5	2 59	20 57	2 7	18 16	4 40	9 27	0 47	24 12	0 55	12 35	2 30	5 42	0 48	22 44	0 1	15 35	5 17	23 27	23 22	23 16		n.a.
M22	12 31	13 45	3 55	20 34	2 9	18 20	4 32	9 9	0 47	24 12	0 55	12 37	2 30	5 43	0 48	22 43	0 1	15 35	5 18	23 27	23 22	23 15		n.a.
T 23	12 10	8 40	4 35	20 9	2 10	18 24	4 23	8 51	0 46	24 12	0 55	12 39	2 30	5 44	0 48	22 43	0 1	15 35	5 18	23 26	23 22	23 14		n.a.
W24	11 49	3 14	4 58	19 42	2 12	18 28	4 15	8 34	0 46	24 13	0 55	12 40	2 30	5 45	0 48	22 43	0 1	15 35	5 18	23 25	23 21	23 14		n.a.
T 25	11 28	2n15	5 2	19 14	2 12	18 31	4 7	8 16	0 45	24 13	0 55	12 42	2 30	5 46	0 48	22 43	0 1	15 35	5 18	23 24	23 21	23 13		n.a.
F 26	11 7	7 28	4 49	18 44	2 13	18 33	3 59	7 58	0 45	24 13	0 55	12 44	2 31	5 47	0 48	22 43	0 1	15 35	5 18	23 24	23 21	23 13		n.a.
S 27	10 45	12 12	4 21	18 13	2 13	18 36	3 50	7 40	0 44	24 13	0 55	12 46	2 31	5 48	0 48	22 42	0 1	15 35	5 18	23 23	23 21	23 12		n.a.
S 28	10 24	16 15	3 41	17 39	2 12	18 38	3 42	7 22	0 44	24 13	0 55	12 47	2 31	5 49	0 48	22 42	0 1	15 35	5 18	23 22	23 20	23 11		n.a.
M29	10s 2	19n29	2n52	17s 5	2s11	18s39	3n34	7s 4	0s43	24n14	0n55	12n49	2n31	5n50	0n48	22s42	0s 1	15s35	5n18	23s22	23s20	23n11		n.a.

Julian Day Number = 1551612.5, Delta T = 04h30m27s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'36, Lahiri = -10°22'36 Julian Calendar 1 Feb. 465 BCE == Greg. Calendar 27 Jan. 465 BCE

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

MARCH 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 13 17	5♓20'39	27♉48	21♒46	21♉ 8	14♓39	10°R37	3°R 4	17°R12	16♉50	1♐43	19°R59	19♐32	24♊53	n.a.	T 1
W 2	10 17 14	6°19'38	9♊41	23°35	21°54	15°24	10♋35	3♍ 0	17♍10	16°51	1°43	19°D59	19°29	24°59	n.a.	W 2
T 3	10 21 11	7°18'35	21°30	25°26	22°42	16° 9	10°33	2°55	17° 7	16°53	1°43	19°R59	19°26	25° 6	n.a.	T 3
F 4	10 25 7	8°17'29	3♋18	27°18	23°30	16°53	10°32	2°50	17° 5	16°55	1°44	19♐58	19°23	25°13	n.a.	F 4
S 5	10 29 4	9°16'21	15°11	29°11	24°19	17°38	10°30	2°46	17° 2	16°56	1°44	19°56	19°20	25°19	n.a.	S 5
S 6	10 33 0	10°15'11	27°14	1♓ 6	25° 8	18°22	10°29	2°41	17° 0	16°58	1°44	19°51	19°16	25°26	n.a.	S 6
M 7	10 36 57	11°13'58	9♌30	3° 2	25°59	19° 7	10°28	2°37	16°57	16°59	1°44	19°44	19°13	25°33	n.a.	M 7
T 8	10 40 53	12°12'43	22° 3	5° 0	26°50	19°51	10°27	2°32	16°54	17° 1	1°44	19°33	19°10	25°39	n.a.	T 8
W 9	10 44 50	13°11'26	4♍52	6°59	27°41	20°36	10°26	2°28	16°52	17° 2	1°R44	19°21	19° 7	25°46	n.a.	W 9
T 10	10 48 46	14°10'07	17°57	8°59	28°34	21°20	10°26	2°23	16°49	17° 4	1°44	19° 8	19° 4	25°53	n.a.	T 10
F 11	10 52 43	15° 8'45	1♎19	11° 0	29°26	22° 4	10°26	2°19	16°47	17° 5	1°44	18°56	19° 1	25°59	n.a.	F 11
S 12	10 56 40	16° 7'22	14°53	13° 3	0♒20	22°48	10°D25	2°14	16°44	17° 6	1°44	18°45	18°57	26° 6	n.a.	S 12
S 13	11 0 36	17° 5'57	28°37	15° 7	1°14	23°33	10°25	2°10	16°42	17° 8	1°44	18°36	18°54	26°13	n.a.	S 13
M14	11 4 33	18° 4'30	12♏29	17°12	2° 9	24°17	10°26	2° 5	16°39	17° 9	1°44	18°31	18°51	26°19	n.a.	M14
T 15	11 8 29	19° 3'01	26°27	19°18	3° 4	25° 1	10°26	2° 1	16°36	17°10	1°44	18°28	18°48	26°26	n.a.	T 15
W16	11 12 26	20° 1'31	10♐29	21°24	3°59	25°45	10°27	1°57	16°34	17°12	1°43	18°27	18°45	26°32	n.a.	W16
T 17	11 16 22	20°59'58	24°34	23°31	4°56	26°29	10°27	1°53	16°31	17°13	1°43	18°27	18°42	26°39	n.a.	T 17
F 18	11 20 19	21°58'25	8♑42	25°39	5°52	27°13	10°28	1°48	16°29	17°14	1°43	18°26	18°38	26°46	n.a.	F 18
S 19	11 24 15	22°56'49	22°52	27°46	6°49	27°57	10°30	1°44	16°26	17°15	1°43	18°24	18°35	26°52	n.a.	S 19
S 20	11 28 12	23°55'12	7♒ 2	29°54	7°47	28°41	10°31	1°40	16°24	17°17	1°42	18°19	18°32	26°59	n.a.	S 20
M21	11 32 9	24°53'33	21° 8	2♈ 0	8°45	29°24	10°32	1°36	16°21	17°18	1°42	18°12	18°29	27° 6	n.a.	M21
T 22	11 36 5	25°51'52	5♓ 7	4° 6	9°43	0♈ 8	10°34	1°32	16°19	17°19	1°42	18° 1	18°26	27°12	n.a.	T 22
W23	11 40 2	26°50'10	18°56	6°11	10°42	0°52	10°36	1°28	16°16	17°20	1°41	17°50	18°22	27°19	n.a.	W23
T 24	11 43 58	27°48'25	2♈29	8°14	11°41	1°35	10°38	1°24	16°14	17°21	1°41	17°37	18°19	27°26	n.a.	T 24
F 25	11 47 55	28°46'39	15°44	10°16	12°40	2°19	10°40	1°20	16°11	17°22	1°40	17°26	18°16	27°32	n.a.	F 25
S 26	11 51 51	29°44'51	28°40	12°16	13°40	3° 2	10°43	1°16	16° 9	17°23	1°40	17°16	18°13	27°39	n.a.	S 26
S 27	11 55 48	0♈43'00	11♉16	14°13	14°40	3°46	10°45	1°13	16° 6	17°24	1°39	17° 9	18°10	27°46	n.a.	S 27
M28	11 59 44	1°41'08	23°34	16° 8	15°40	4°29	10°48	1° 9	16° 4	17°25	1°39	17° 4	18° 7	27°52	n.a.	M28
T 29	12 3 41	2°39'14	5♊38	18° 0	16°41	5°13	10°51	1° 5	16° 1	17°26	1°38	17° 2	18° 3	27°59	n.a.	T 29
W30	12 7 37	3°37'18	17°32	19°49	17°42	5°56	10°54	1° 2	15°59	17°27	1°37	17°D 1	18° 0	28° 6	n.a.	W30
T 31	12 11 34	4♈35'20	29♊21	21♈34	18♒43	6♈39	10♋58	0♍58	15♍56	17♉27	1♐37	17°R 2	17♐57	28♊12	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s40	21n48	1n55	16s28	2s 9	18s40	3n26	6s46	0s43	24n14	0n55	12n51	2n31	5n51	0n48	22s42	0s 1	15s35	5n18	23s22	23s20	23n10		n.a.
W 2	9 18	23 5	0 54	15 49	2 7	18 41	3 18	6 28	0 42	24 14	0 55	12 53	2 31	5 52	0 48	22 42	0 1	15 35	5 18	23 22	23 20	23 10		n.a.
T 3	8 56	23 20	0s 8	15 9	2 4	18 41	3 10	6 10	0 41	24 14	0 55	12 54	2 31	5 53	0 48	22 41	0 1	15 35	5 18	23 22	23 19	23 9		n.a.
F 4	8 34	22 32	1 10	14 27	2 1	18 41	3 2	5 52	0 41	24 14	0 55	12 56	2 31	5 54	0 48	22 41	0 1	15 35	5 18	23 22	23 19	23 8		n.a.
S 5	8 12	20 44	2 10	13 44	1 57	18 40	2 55	5 34	0 40	24 14	0 55	12 58	2 31	5 55	0 48	22 41	0 1	15 35	5 18	23 22	23 19	23 8		n.a.
S 6	7 49	17 59	3 4	12 59	1 53	18 39	2 47	5 16	0 40	24 14	0 55	12 59	2 31	5 56	0 48	22 41	0 1	15 35	5 18	23 21	23 19	23 7		n.a.
M 7	7 27	14 24	3 51	12 12	1 48	18 37	2 39	4 58	0 39	24 14	0 54	13 1	2 31	5 57	0 48	22 41	0 1	15 35	5 19	23 21	23 18	23 6		n.a.
T 8	7 4	10 8	4 27	11 23	1 43	18 35	2 32	4 40	0 39	24 14	0 54	13 3	2 31	5 58	0 48	22 41	0 1	15 35	5 19	23 20	23 18	23 6		n.a.
W 9	6 41	5 20	4 51	10 33	1 37	18 32	2 24	4 21	0 38	24 14	0 54	13 4	2 31	5 59	0 48	22 40	0 1	15 35	5 19	23 19	23 18	23 5		n.a.
T 10	6 19	0 13	5 0	9 42	1 30	18 29	2 17	4 3	0 38	24 14	0 54	13 6	2 31	6 0	0 48	22 40	0 1	15 34	5 19	23 18	23 18	23 4		n.a.
F 11	5 56	5s 0	4 54	8 49	1 23	18 25	2 9	3 45	0 37	24 14	0 54	13 8	2 31	6 1	0 48	22 40	0 1	15 34	5 19	23 17	23 17	23 4		n.a.
S 12	5 33	10 5	4 30	7 54	1 16	18 21	2 2	3 27	0 37	24 14	0 54	13 9	2 31	6 2	0 48	22 40	0 1	15 34	5 19	23 16	23 17	23 3		n.a.
S 13	5 10	14 43	3 51	6 58	1 8	18 16	1 55	3 9	0 36	24 14	0 54	13 11	2 31	6 3	0 48	22 40	0 1	15 34	5 19	23 15	23 17	23 2		n.a.
M14	4 46	18 36	2 58	6 1	0 59	18 11	1 48	2 50	0 35	24 14	0 54	13 12	2 31	6 4	0 48	22 40	0 1	15 34	5 19	23 15	23 17	23 2		n.a.
T 15	4 23	21 27	1 54	5 3	0 50	18 5	1 41	2 32	0 35	24 14	0 54	13 14	2 31	6 5	0 48	22 39	0 1	15 34	5 19	23 15	23 16	23 1		n.a.
W16	4 0	23 0	0 42	4 4	0 41	17 59	1 34	2 14	0 34	24 14	0 54	13 16	2 31	6 6	0 48	22 39	0 1	15 34	5 19	23 14	23 16	23 0		n.a.
T 17	3 37	23 6	0n32	3 4	0 31	17 52	1 27	1 56	0 34	24 14	0 54	13 17	2 31	6 7	0 48	22 39	0 1	15 34	5 19	23 14	23 16	23 0		n.a.
F 18	3 13	21 43	1 45	2 4	0 21	17 45	1 21	1 38	0 33	24 14	0 54	13 19	2 31	6 8	0 48	22 39	0 1	15 34	5 19	23 14	23 15	22 59		n.a.
S 19	2 50	18 58	2 51	1 3	0 10	17 37	1 14	1 19	0 33	24 13	0 54	13 20	2 31	6 9	0 48	22 39	0 1	15 34	5 19	23 14	23 15	22 58		n.a.
S 20	2 27	15 6	3 47	0 2	0n 1	17 28	1 8	1 1	0 32	24 13	0 54	13 21	2 31	6 10	0 48	22 39	0 2	15 33	5 19	23 14	23 15	22 57		n.a.
M21	2 3	10 24	4 28	0n59	0 12	17 20	1 1	0 43	0 31	24 13	0 54	13 23	2 30	6 11	0 48	22 38	0 2	15 33	5 19	23 13	23 15	22 57		n.a.
T 22	1 40	5 13	4 53	2 0	0 23	17 10	0 55	0 25	0 31	24 13	0 54	13 24	2 30	6 12	0 48	22 38	0 2	15 33	5 19	23 12	23 14	22 56		n.a.
W23	1 16	0n10	5 1	3 0	0 34	17 0	0 49	0 7	0 30	24 13	0 54	13 26	2 30	6 13	0 48	22 38	0 2	15 33	5 20	23 11	23 14	22 55		n.a.
T 24	0 53	5 26	4 51	4 0	0 45	16 50	0 43	0n11	0 30	24 12	0 54	13 27	2 30	6 14	0 48	22 38	0 2	15 33	5 20	23 10	23 14	22 55		n.a.
F 25	0 30	10 20	4 25	4 58	0 56	16 39	0 37	0 29	0 29	24 12	0 53	13 28	2 30	6 15	0 48	22 38	0 2	15 33	5 20	23 9	23 14	22 54		n.a.
S 26	0 6	14 40	3 47	5 55	1 6	16 27	0 31	0 47	0 28	24 12	0 53	13 30	2 30	6 16	0 48	22 38	0 2	15 33	5 20	23 8	23 13	22 53		n.a.
S 27	0n17	18 13	2 58	6 51	1 17	16 15	0 25	1 5	0 28	24 12	0 53	13 31	2 30	6 17	0 48	22 38	0 2	15 32	5 20	23 7	23 13	22 52		n.a.
M28	0 41	20 52	2 1	7 45	1 27	16 2	0 19	1 23	0 27	24 11	0 53	13 32	2 30	6 18	0 48	22 38	0 2	15 32	5 20	23 7	23 13	22 52		n.a.
T 29	1 4	22 31	1 0	8 38	1 36	15 49	0 14	1 41	0 27	24 11	0 53	13 33	2 30	6 19	0 48	22 38	0 2	15 32	5 20	23 7	23 12	22 51		n.a.
W30	1 27	23 7	0s 3	9 28	1 46	15 36	0 8	1 59	0 26	24 11	0 53	13 35	2 30	6 20	0 48	22 37	0 2	15 32	5 20	23 7	23 12	22 50		n.a.
T 31	1n51	22n40	1s 5	10n17	1n54	15s22	0n 3	2n17	0s26	24n10	0n53	13n36	2n30	6n21	0n48	22s37	0s 2	15s32	5n20	23s 7	23s12	22n49		n.a.

Julian Day Number = 1551641.5, Delta T = 04h30m25s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'32, Lahiri = -10°22'32 Julian Calendar 1 March 465 BCE == Greg. Calendar 25 Feb. 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

APRIL 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 15 31	5♈33'19	11♋10	23♈17	19♒45	7♈22	11♋ 1	0°R55	15°R54	17♏28	1°R36	17°R 2	17♐54	28♊19	n.a.	F 1
S 2	12 19 27	6°31'17	23° 5	24°55	20°47	8° 6	11° 5	0♍52	15♍52	17°29	1♐36	17♐ 0	17°51	28°25	n.a.	S 2
S 3	12 23 24	7°29'13	5♌11	26°30	21°49	8°49	11° 8	0°48	15°49	17°30	1°35	16°57	17°47	28°32	n.a.	S 3
M 4	12 27 20	8°27'07	17°32	28° 2	22°51	9°32	11°12	0°45	15°47	17°30	1°34	16°51	17°44	28°39	n.a.	M 4
T 5	12 31 17	9°24'59	0♍12	29°29	23°54	10°15	11°17	0°42	15°45	17°31	1°33	16°43	17°41	28°45	n.a.	T 5
W 6	12 35 13	10°22'49	13°13	0♎53	24°57	10°58	11°21	0°39	15°42	17°32	1°32	16°33	17°38	28°52	n.a.	W 6
T 7	12 39 10	11°20'37	26°35	2°12	26° 0	11°41	11°25	0°36	15°40	17°32	1°32	16°23	17°35	28°59	n.a.	T 7
F 8	12 43 6	12°18'24	10♎16	3°28	27° 3	12°23	11°30	0°33	15°38	17°33	1°31	16°12	17°32	29° 5	n.a.	F 8
S 9	12 47 3	13°16'09	24°14	4°39	28° 7	13° 6	11°35	0°31	15°36	17°33	1°30	16° 3	17°28	29°12	n.a.	S 9
S 10	12 51 0	14°13'53	8♏24	5°46	29°11	13°49	11°40	0°28	15°34	17°34	1°29	15°56	17°25	29°19	n.a.	S 10
M11	12 54 56	15°11'36	22°41	6°49	0♓15	14°32	11°45	0°25	15°32	17°34	1°28	15°52	17°22	29°25	n.a.	M11
T 12	12 58 53	16° 9'17	7♐ 0	7°48	1°19	15°14	11°50	0°23	15°29	17°35	1°27	15°50	17°19	29°32	n.a.	T 12
W13	13 2 49	17° 6'57	21°19	8°42	2°23	15°57	11°55	0°20	15°27	17°35	1°26	15°D49	17°16	29°39	n.a.	W13
T 14	13 6 46	18° 4'36	5♑33	9°32	3°28	16°39	12° 1	0°18	15°25	17°36	1°25	15°50	17°13	29°45	n.a.	T 14
F 15	13 10 42	19° 2'13	19°41	10°17	4°33	17°22	12° 7	0°16	15°23	17°36	1°24	15°R51	17° 9	29°52	n.a.	F 15
S 16	13 14 39	19°59'50	3♒43	10°58	5°38	18° 4	12°12	0°13	15°21	17°36	1°23	15°50	17° 6	29°59	n.a.	S 16
S 17	13 18 35	20°57'26	17°37	11°34	6°43	18°47	12°18	0°11	15°19	17°37	1°22	15°47	17° 3	0♋ 5	n.a.	S 17
M18	13 22 32	21°55'00	1♓21	12° 6	7°48	19°29	12°25	0° 9	15°18	17°37	1°21	15°42	17° 0	0°12	n.a.	M18
T 19	13 26 29	22°52'33	14°56	12°33	8°54	20°11	12°31	0° 7	15°16	17°37	1°20	15°35	16°57	0°19	n.a.	T 19
W20	13 30 25	23°50'06	28°19	12°55	10° 0	20°54	12°37	0° 5	15°14	17°37	1°19	15°26	16°53	0°25	n.a.	W20
T 21	13 34 22	24°47'37	11♈28	13°12	11° 6	21°36	12°44	0° 4	15°12	17°38	1°18	15°18	16°50	0°32	n.a.	T 21
F 22	13 38 18	25°45'07	24°23	13°25	12°12	22°18	12°51	0° 2	15°10	17°38	1°17	15° 9	16°47	0°38	n.a.	F 22
S 23	13 42 15	26°42'36	7♉ 3	13°32	13°18	23° 0	12°57	0° 1	15° 9	17°38	1°15	15° 2	16°44	0°45	n.a.	S 23
S 24	13 46 11	27°40'03	19°27	13°R35	14°24	23°42	13° 4	29♌59	15° 7	17°38	1°14	14°57	16°41	0°52	n.a.	S 24
M25	13 50 8	28°37'30	1♊39	13°34	15°30	24°24	13°11	29°58	15° 5	17°R38	1°13	14°54	16°38	0°58	n.a.	M25
T 26	13 54 4	29°34'55	13°39	13°28	16°37	25° 6	13°19	29°56	15° 4	17°38	1°12	14°D53	16°34	1° 5	n.a.	T 26
W27	13 58 1	0♉32'19	25°31	13°18	17°44	25°48	13°26	29°55	15° 2	17°38	1°10	14°54	16°31	1°12	n.a.	W27
T 28	14 1 58	1°29'42	7♋19	13° 3	18°50	26°30	13°34	29°54	15° 1	17°38	1° 9	14°55	16°28	1°18	n.a.	T 28
F 29	14 5 54	2°27'03	19° 8	12°45	19°57	27°12	13°41	29°53	14°59	17°38	1° 8	14°57	16°25	1°25	n.a.	F 29
S 30	14 9 51	3♉24'24	1♌ 3	12♉23	21♓ 4	27♈53	13♋49	29♌52	14♍58	17♏38	1♐ 7	14°R57	16♐22	1♋32	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n14	21n12	2s 5	11n 3	2n 2	15s 7	0s 2	2n35	0s25	24n10	0n53	13n37	2n30	6n22	0n48	22s37	0s 2	15s32	5n20	23s 7	23s12	22n48		n.a.
S 2	2 37	18 48	3 0	11 47	2 10	14 52	0 8	2 53	0 24	24 10	0 53	13 38	2 29	6 22	0 48	22 37	0 2	15 31	5 20	23 6	23 11	22 48		n.a.
S 3	3 0	15 33	3 47	12 28	2 16	14 37	0 13	3 10	0 24	24 9	0 53	13 39	2 29	6 23	0 48	22 37	0 2	15 31	5 20	23 6	23 11	22 47		n.a.
M 4	3 24	11 34	4 25	13 7	2 22	14 21	0 18	3 28	0 23	24 9	0 53	13 40	2 29	6 24	0 47	22 37	0 2	15 31	5 20	23 6	23 11	22 46		n.a.
T 5	3 47	7 1	4 51	13 44	2 28	14 5	0 22	3 46	0 23	24 9	0 53	13 41	2 29	6 25	0 47	22 37	0 2	15 31	5 20	23 5	23 10	22 45		n.a.
W 6	4 10	2 2	5 3	14 18	2 32	13 48	0 27	4 3	0 22	24 8	0 53	13 42	2 29	6 26	0 47	22 37	0 2	15 31	5 20	23 4	23 10	22 44		n.a.
T 7	4 33	3s11	4 59	14 50	2 36	13 31	0 32	4 21	0 21	24 8	0 53	13 43	2 29	6 27	0 47	22 37	0 2	15 31	5 20	23 3	23 10	22 44		n.a.
F 8	4 55	8 21	4 37	15 19	2 39	13 13	0 36	4 38	0 21	24 7	0 53	13 44	2 29	6 28	0 47	22 37	0 2	15 30	5 20	23 2	23 9	22 43		n.a.
S 9	5 18	13 13	3 59	15 45	2 40	12 55	0 41	4 56	0 20	24 7	0 53	13 45	2 29	6 29	0 47	22 37	0 2	15 30	5 20	23 1	23 9	22 42		n.a.
S 10	5 41	17 25	3 6	16 9	2 41	12 37	0 45	5 13	0 20	24 6	0 53	13 46	2 28	6 29	0 47	22 37	0 2	15 30	5 20	23 0	23 9	22 41		n.a.
M11	6 4	20 37	2 0	16 30	2 42	12 18	0 49	5 30	0 19	24 6	0 52	13 46	2 28	6 30	0 47	22 37	0 2	15 30	5 20	22 59	23 9	22 40		n.a.
T 12	6 26	22 32	0 47	16 49	2 41	11 58	0 53	5 48	0 18	24 5	0 52	13 47	2 28	6 31	0 47	22 37	0 2	15 30	5 20	22 59	23 8	22 40		n.a.
W13	6 48	22 58	0n29	17 5	2 39	11 39	0 57	6 5	0 18	24 5	0 52	13 48	2 28	6 32	0 47	22 36	0 2	15 29	5 20	22 59	23 8	22 39		n.a.
T 14	7 11	21 54	1 44	17 19	2 36	11 18	1 1	6 22	0 17	24 4	0 52	13 49	2 28	6 33	0 47	22 36	0 2	15 29	5 20	22 59	23 8	22 38		n.a.
F 15	7 33	19 28	2 51	17 30	2 32	10 58	1 5	6 39	0 17	24 3	0 52	13 49	2 28	6 33	0 47	22 36	0 2	15 29	5 20	22 59	23 7	22 37		n.a.
S 16	7 55	15 53	3 48	17 39	2 27	10 37	1 8	6 56	0 16	24 3	0 52	13 50	2 27	6 34	0 47	22 36	0 2	15 29	5 20	22 59	23 7	22 36		n.a.
S 17	8 17	11 28	4 30	17 45	2 22	10 16	1 12	7 13	0 15	24 2	0 52	13 51	2 27	6 35	0 47	22 36	0 2	15 28	5 20	22 59	23 7	22 35		n.a.
M18	8 39	6 31	4 57	17 48	2 15	9 54	1 15	7 30	0 15	24 2	0 52	13 51	2 27	6 36	0 47	22 36	0 2	15 28	5 20	22 58	23 6	22 34		n.a.
T 19	9 0	1 19	5 6	17 49	2 7	9 33	1 18	7 46	0 14	24 1	0 52	13 52	2 27	6 36	0 47	22 36	0 2	15 28	5 20	22 58	23 6	22 33		n.a.
W20	9 22	3n53	4 59	17 47	1 58	9 10	1 21	8 3	0 14	24 0	0 52	13 52	2 27	6 37	0 47	22 36	0 2	15 28	5 20	22 57	23 6	22 33		n.a.
T 21	9 43	8 48	4 35	17 43	1 48	8 48	1 24	8 20	0 13	24 0	0 52	13 53	2 27	6 38	0 47	22 36	0 2	15 28	5 20	22 56	23 5	22 32		n.a.
F 22	10 5	13 15	3 58	17 37	1 38	8 25	1 27	8 36	0 12	23 59	0 52	13 53	2 26	6 38	0 47	22 36	0 2	15 27	5 20	22 55	23 5	22 31		n.a.
S 23	10 26	17 1	3 10	17 28	1 26	8 2	1 30	8 52	0 12	23 58	0 52	13 54	2 26	6 39	0 47	22 36	0 2	15 27	5 20	22 54	23 5	22 30		n.a.
S 24	10 47	19 57	2 13	17 17	1 13	7 39	1 33	9 9	0 11	23 57	0 52	13 54	2 26	6 40	0 47	22 36	0 2	15 27	5 20	22 53	23 4	22 29		n.a.
M25	11 8	21 55	1 11	17 4	1 0	7 15	1 35	9 25	0 10	23 57	0 52	13 54	2 26	6 40	0 47	22 36	0 2	15 27	5 20	22 53	23 4	22 28		n.a.
T 26	11 28	22 51	0 7	16 48	0 45	6 51	1 38	9 41	0 10	23 56	0 52	13 54	2 26	6 41	0 47	22 36	0 2	15 26	5 20	22 53	23 4	22 27		n.a.
W27	11 49	22 43	0s57	16 31	0 30	6 27	1 40	9 57	0 9	23 55	0 52	13 55	2 26	6 41	0 47	22 36	0 2	15 26	5 20	22 53	23 3	22 26		n.a.
T 28	12 9	21 34	1 59	16 11	0 15	6 2	1 43	10 13	0 9	23 54	0 52	13 55	2 25	6 42	0 47	22 36	0 2	15 26	5 20	22 53	23 3	22 25		n.a.
F 29	12 29	19 28	2 55	15 50	0s 2	5 38	1 45	10 29	0 8	23 53	0 51	13 55	2 25	6 42	0 47	22 36	0 2	15 26	5 20	22 53	23 3	22 24		n.a.
S 30	12n49	16n32	3s45	15n28	0s18	5s13	1s47	10n45	0s 7	23n53	0n51	13n55	2n25	6n43	0n47	22s36	0s 2	15s25	5n20	22s53	23s 3	22n24		n.a.

Julian Day Number = 1551672.5, Delta T = 04h30m24s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'28, Lahiri = -10°22'28 Julian Calendar 1 Apr. 465 BCE == Greg. Calendar 27 March 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

MAY 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 13 47	4♉21'43	13♌ 9	11°R58	22♓12	28♈35	13♋57	29°R52	14°R56	17°R37	1°R 5	14°R57	16♐18	1♋38	n.a.	S 1
M 2	14 17 44	5°19'01	25°31	11♉30	23°19	29°17	14° 5	29♌51	14♍55	17♑37	1♐ 4	14♐55	16°15	1°45	n.a.	M 2
T 3	14 21 40	6°16'17	8♍12	11° 0	24°26	29°58	14°13	29°50	14°54	17°37	1° 3	14°52	16°12	1°52	n.a.	T 3
W 4	14 25 37	7°13'33	21°17	10°29	25°34	0♉40	14°21	29°50	14°52	17°37	1° 1	14°47	16° 9	1°58	n.a.	W 4
T 5	14 29 33	8°10'47	4♎47	9°56	26°42	1°21	14°29	29°49	14°51	17°36	1° 0	14°41	16° 6	2° 5	n.a.	T 5
F 6	14 33 30	9° 8'01	18°40	9°22	27°49	2° 3	14°38	29°49	14°50	17°36	0°58	14°36	16° 3	2°12	n.a.	F 6
S 7	14 37 26	10° 5'13	2♏55	8°49	28°57	2°44	14°46	29°49	14°49	17°36	0°57	14°31	15°59	2°18	n.a.	S 7
S 8	14 41 23	11° 2'25	17°26	8°16	0♈ 5	3°26	14°55	29°D49	14°48	17°35	0°56	14°27	15°56	2°25	n.a.	S 8
M 9	14 45 20	11°59'37	2♐ 7	7°43	1°13	4° 7	15° 4	29°49	14°47	17°35	0°54	14°25	15°53	2°32	n.a.	M 9
T 10	14 49 16	12°56'48	16°51	7°13	2°21	4°48	15°13	29°49	14°46	17°34	0°53	14°D25	15°50	2°38	n.a.	T 10
W11	14 53 13	13°53'58	1♑32	6°45	3°30	5°29	15°22	29°49	14°45	17°34	0°51	14°26	15°47	2°45	n.a.	W11
T 12	14 57 9	14°51'08	16° 4	6°19	4°38	6°11	15°31	29°50	14°44	17°34	0°50	14°27	15°44	2°51	n.a.	T 12
F 13	15 1 6	15°48'18	0♒24	5°57	5°47	6°52	15°40	29°50	14°43	17°33	0°48	14°28	15°40	2°58	n.a.	F 13
S 14	15 5 2	16°45'28	14°29	5°37	6°55	7°33	15°49	29°51	14°42	17°32	0°47	14°R29	15°37	3° 5	n.a.	S 14
S 15	15 8 59	17°42'37	28°17	5°22	8° 4	8°14	15°59	29°51	14°42	17°32	0°45	14°29	15°34	3°11	n.a.	S 15
M16	15 12 56	18°39'46	11♓50	5°11	9°13	8°55	16° 8	29°52	14°41	17°31	0°44	14°27	15°31	3°18	n.a.	M16
T 17	15 16 52	19°36'55	25° 7	5° 4	10°22	9°36	16°18	29°53	14°40	17°31	0°42	14°24	15°28	3°25	n.a.	T 17
W18	15 20 49	20°34'04	8♈ 9	5°D 1	11°30	10°17	16°28	29°54	14°40	17°30	0°41	14°21	15°24	3°31	n.a.	W18
T 19	15 24 45	21°31'12	20°57	5° 3	12°40	10°58	16°37	29°55	14°39	17°29	0°39	14°18	15°21	3°38	n.a.	T 19
F 20	15 28 42	22°28'21	3♉31	5° 9	13°49	11°38	16°47	29°56	14°39	17°28	0°38	14°14	15°18	3°45	n.a.	F 20
S 21	15 32 38	23°25'29	15°53	5°20	14°58	12°19	16°57	29°57	14°38	17°28	0°36	14°12	15°15	3°51	n.a.	S 21
S 22	15 36 35	24°22'37	28° 4	5°36	16° 7	13° 0	17° 7	29°58	14°38	17°27	0°35	14°10	15°12	3°58	n.a.	S 22
M23	15 40 31	25°19'45	10♊ 6	5°57	17°16	13°41	17°18	29°59	14°38	17°26	0°33	14°D 9	15° 9	4° 5	n.a.	M23
T 24	15 44 28	26°16'53	22° 0	6°22	18°26	14°21	17°28	0♍ 1	14°37	17°25	0°32	14° 9	15° 5	4°11	n.a.	T 24
W25	15 48 25	27°14'00	3♋49	6°52	19°35	15° 2	17°38	0° 3	14°37	17°24	0°30	14°10	15° 2	4°18	n.a.	W25
T 26	15 52 21	28°11'07	15°37	7°26	20°45	15°42	17°49	0° 4	14°37	17°23	0°29	14°11	14°59	4°25	n.a.	T 26
F 27	15 56 18	29° 8'14	27°26	8° 5	21°55	16°23	17°59	0° 6	14°37	17°22	0°27	14°13	14°56	4°31	n.a.	F 27
S 28	16 0 14	0♊ 5'20	9♌21	8°49	23° 4	17° 3	18°10	0° 8	14°37	17°21	0°26	14°14	14°53	4°38	n.a.	S 28
S 29	16 4 11	1° 2'26	21°27	9°37	24°14	17°44	18°20	0°10	14°D37	17°20	0°24	14°14	14°50	4°45	n.a.	S 29
M30	16 8 7	1°59'32	3♍47	10°30	25°24	18°24	18°31	0°12	14°37	17°19	0°23	14°R15	14°46	4°51	n.a.	M30
T 31	16 12 4	2♊56'38	16♍26	11♉26	26♈34	19♉ 4	18♋42	0♍14	14♍37	17♑18	0♐21	14♐14	14♐43	4♋58	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	13n 8	12n52	4s25	15n 4	0s35	4s48	1s49	11n 0	0s 7	23n52	0n51	13n55	2n25	6n43	0n47	22s36	0s 2	15s25	5n20	22s53	23s 2	22n23			n.a.
M 2	13 28	8 35	4 54	14 39	0 52	4 22	1 50	11 16	0 6	23 51	0 51	13 55	2 25	6 44	0 47	22 36	0 2	15 25	5 20	22 53	23 2	22 22			n.a.
T 3	13 47	3 50	5 9	14 14	1 9	3 57	1 52	11 31	0 6	23 50	0 51	13 55	2 24	6 44	0 47	22 37	0 2	15 25	5 20	22 53	23 2	22 21			n.a.
W 4	14 6	1s14	5 9	13 47	1 26	3 31	1 54	11 47	0 5	23 49	0 51	13 55	2 24	6 45	0 47	22 37	0 2	15 24	5 20	22 52	23 1	22 20			n.a.
T 5	14 25	6 23	4 52	13 21	1 43	3 5	1 55	12 2	0 4	23 48	0 51	13 55	2 24	6 45	0 47	22 37	0 2	15 24	5 20	22 52	23 1	22 19			n.a.
F 6	14 44	11 23	4 18	12 55	1 59	2 39	1 57	12 17	0 4	23 47	0 51	13 55	2 24	6 46	0 47	22 37	0 2	15 24	5 20	22 51	23 1	22 18			n.a.
S 7	15 2	15 53	3 27	12 30	2 15	2 13	1 58	12 32	0 3	23 46	0 51	13 55	2 24	6 46	0 46	22 37	0 2	15 24	5 20	22 50	23 0	22 17			n.a.
S 8	15 20	19 32	2 22	12 5	2 30	1 47	1 59	12 47	0 3	23 45	0 51	13 55	2 23	6 47	0 46	22 37	0 2	15 23	5 20	22 50	23 0	22 16			n.a.
M 9	15 38	21 57	1 7	11 41	2 44	1 21	2 0	13 2	0 2	23 44	0 51	13 55	2 23	6 47	0 46	22 37	0 2	15 23	5 20	22 50	23 0	22 15			n.a.
T 10	15 56	22 52	0n13	11 19	2 57	0 54	2 1	13 16	0 1	23 43	0 51	13 55	2 23	6 47	0 46	22 37	0 2	15 23	5 20	22 50	22 59	22 14			n.a.
W11	16 13	22 12	1 33	10 58	3 9	0 27	2 2	13 31	0 1	23 42	0 51	13 54	2 23	6 48	0 46	22 37	0 2	15 23	5 20	22 50	22 59	22 13			n.a.
T 12	16 30	20 2	2 45	10 40	3 20	0 1	2 3	13 45	0 0	23 41	0 51	13 54	2 23	6 48	0 46	22 37	0 2	15 22	5 20	22 50	22 58	22 12			n.a.
F 13	16 47	16 39	3 46	10 23	3 29	0n26	2 3	13 59	0n 1	23 40	0 51	13 54	2 22	6 48	0 46	22 37	0 2	15 22	5 20	22 50	22 58	22 11			n.a.
S 14	17 4	12 22	4 32	10 9	3 38	0 53	2 4	14 14	0 1	23 38	0 51	13 53	2 22	6 48	0 46	22 37	0 2	15 22	5 20	22 50	22 58	22 10			n.a.
S 15	17 20	7 30	5 2	9 57	3 45	1 20	2 5	14 28	0 2	23 37	0 51	13 53	2 22	6 49	0 46	22 37	0 2	15 22	5 20	22 50	22 57	22 9			n.a.
M16	17 36	2 23	5 14	9 48	3 51	1 47	2 5	14 42	0 2	23 36	0 51	13 52	2 22	6 49	0 46	22 37	0 2	15 21	5 20	22 50	22 57	22 8			n.a.
T 17	17 52	2n45	5 9	9 41	3 55	2 14	2 5	14 55	0 3	23 35	0 51	13 52	2 22	6 49	0 46	22 38	0 2	15 21	5 20	22 50	22 57	22 7			n.a.
W18	18 7	7 40	4 48	9 37	3 58	2 41	2 5	15 9	0 4	23 34	0 51	13 51	2 21	6 49	0 46	22 38	0 2	15 21	5 19	22 49	22 56	22 6			n.a.
T 19	18 23	12 10	4 13	9 36	4 0	3 9	2 5	15 22	0 4	23 32	0 51	13 51	2 21	6 49	0 46	22 38	0 2	15 21	5 19	22 49	22 56	22 5			n.a.
F 20	18 38	16 4	3 26	9 37	4 1	3 36	2 5	15 36	0 5	23 31	0 51	13 50	2 21	6 50	0 46	22 38	0 2	15 21	5 19	22 48	22 56	22 4			n.a.
S 21	18 52	19 12	2 30	9 41	4 1	4 3	2 5	15 49	0 5	23 30	0 51	13 50	2 21	6 50	0 46	22 38	0 2	15 20	5 19	22 48	22 55	22 3			n.a.
S 22	19 7	21 25	1 28	9 48	4 0	4 30	2 5	16 2	0 6	23 29	0 51	13 49	2 21	6 50	0 46	22 38	0 2	15 20	5 19	22 48	22 55	22 2			n.a.
M23	19 21	22 37	0 22	9 57	3 57	4 57	2 5	16 15	0 7	23 27	0 51	13 48	2 20	6 50	0 46	22 38	0 2	15 20	5 19	22 48	22 55	22 1			n.a.
T 24	19 34	22 47	0s43	10 8	3 54	5 24	2 5	16 28	0 7	23 26	0 51	13 48	2 20	6 50	0 46	22 38	0 2	15 20	5 19	22 48	22 54	22 0			n.a.
W25	19 48	21 55	1 47	10 22	3 49	5 51	2 4	16 41	0 8	23 24	0 51	13 47	2 20	6 50	0 46	22 38	0 2	15 19	5 19	22 48	22 54	21 59			n.a.
T 26	20 1	20 5	2 46	10 39	3 44	6 18	2 4	16 53	0 8	23 23	0 51	13 46	2 20	6 50	0 46	22 39	0 2	15 19	5 19	22 48	22 54	21 58			n.a.
F 27	20 14	17 23	3 37	10 57	3 38	6 45	2 3	17 6	0 9	23 22	0 51	13 45	2 20	6 50	0 46	22 39	0 2	15 19	5 19	22 48	22 53	21 57			n.a.
S 28	20 26	13 58	4 20	11 18	3 31	7 12	2 2	17 18	0 10	23 20	0 51	13 44	2 19	6 50	0 46	22 39	0 2	15 19	5 19	22 48	22 53	21 56			n.a.
S 29	20 38	9 55	4 53	11 40	3 23	7 38	2 1	17 30	0 10	23 19	0 51	13 44	2 19	6 50	0 46	22 39	0 2	15 19	5 19	22 48	22 52	21 55			n.a.
M30	20 50	5 25	5 12	12 5	3 15	8 5	2 1	17 42	0 11	23 17	0 50	13 43	2 19	6 50	0 46	22 39	0 2	15 18	5 18	22 48	22 52	21 53			n.a.
T 31	21n 1	0n34	5s17	12n31	3s 6	8n31	2s 0	17n54	0n11	23n16	0n50	13n42	2n19	6n50	0n45	22s39	0s 2	15s18	5n18	22s48	22s52	21n52			n.a.

Julian Day Number = 1551702.5, Delta T = 04h30m23s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'24, Lahiri = -10°22'23 Julian Calendar 1 May 465 BCE == Greg. Calendar 26 Apr. 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

JUNE 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 16 0	3♊53'43	29♍28	12♉27	27♈44	19♉45	18♋53	0♍17	14♍37	17°R17	0°R20	14°R14	14♐40	5♋ 5	n.a.	W 1
T 2	16 19 57	4°50'48	12♎56	13°33	28°54	20°25	19° 4	0°19	14°37	17♑16	0♐18	14♐13	14°37	5°11	n.a.	T 2
F 3	16 23 54	5°47'53	26°50	14°42	0♉ 4	21° 5	19°15	0°21	14°38	17°15	0°16	14°11	14°34	5°18	n.a.	F 3
S 4	16 27 50	6°44'59	11♏10	15°56	1°14	21°45	19°26	0°24	14°38	17°14	0°15	14°11	14°30	5°25	n.a.	S 4
S 5	16 31 47	7°42'04	25°51	17°13	2°25	22°25	19°37	0°27	14°38	17°13	0°13	14°10	14°27	5°31	n.a.	S 5
M 6	16 35 43	8°39'09	10♐47	18°35	3°35	23° 5	19°48	0°29	14°39	17°12	0°12	14°D10	14°24	5°38	n.a.	M 6
T 7	16 39 40	9°36'15	25°51	20° 1	4°45	23°45	20° 0	0°32	14°39	17°11	0°10	14°10	14°21	5°44	n.a.	T 7
W 8	16 43 36	10°33'22	10♑54	21°30	5°56	24°25	20°11	0°35	14°40	17° 9	0° 9	14°10	14°18	5°51	n.a.	W 8
T 9	16 47 33	11°30'28	25°46	23° 3	7° 7	25° 5	20°22	0°38	14°40	17° 8	0° 7	14°10	14°15	5°58	n.a.	T 9
F 10	16 51 30	12°27'36	10♒23	24°40	8°17	25°45	20°34	0°41	14°41	17° 7	0° 6	14°11	14°11	6° 4	n.a.	F 10
S 11	16 55 26	13°24'44	24°39	26°21	9°28	26°25	20°45	0°44	14°42	17° 6	0° 4	14°11	14° 8	6°11	n.a.	S 11
S 12	16 59 23	14°21'52	8♓32	28° 5	10°39	27° 5	20°57	0°47	14°42	17° 4	0° 3	14°11	14° 5	6°18	n.a.	S 12
M13	17 3 19	15°19'02	22° 3	29°52	11°49	27°44	21° 9	0°51	14°43	17° 3	0° 1	14°11	14° 2	6°24	n.a.	M13
T 14	17 7 16	16°16'12	5♈11	1♊43	13° 0	28°24	21°20	0°54	14°44	17° 2	29♏59	14°11	13°59	6°31	n.a.	T 14
W15	17 11 12	17°13'23	18° 1	3°36	14°11	29° 4	21°32	0°58	14°45	17° 0	29°59	14°11	13°56	6°38	n.a.	W15
T 16	17 15 9	18°10'35	0♉33	5°32	15°22	29°44	21°44	1° 1	14°46	16°59	29°57	14°11	13°52	6°44	n.a.	T 16
F 17	17 19 5	19° 7'48	12°52	7°30	16°33	0♊23	21°56	1° 5	14°47	16°58	29°56	14°12	13°49	6°51	n.a.	F 17
S 18	17 23 2	20° 5'01	25° 0	9°31	17°45	1° 3	22° 8	1° 9	14°48	16°56	29°54	14°12	13°46	6°58	n.a.	S 18
S 19	17 26 59	21° 2'16	6♊59	11°33	18°56	1°42	22°20	1°12	14°49	16°55	29°53	14°13	13°43	7° 4	n.a.	S 19
M20	17 30 55	21°59'31	18°53	13°37	20° 7	2°22	22°32	1°16	14°50	16°53	29°51	14°R13	13°40	7°11	n.a.	M20
T 21	17 34 52	22°56'47	0♋42	15°42	21°18	3° 1	22°44	1°20	14°51	16°52	29°50	14°12	13°36	7°18	n.a.	T 21
W22	17 38 48	23°54'03	12°30	17°48	22°30	3°41	22°56	1°24	14°53	16°50	29°49	14°12	13°33	7°24	n.a.	W22
T 23	17 42 45	24°51'21	24°18	19°54	23°41	4°20	23° 9	1°29	14°54	16°49	29°47	14°10	13°30	7°31	n.a.	T 23
F 24	17 46 41	25°48'39	6♌10	22° 1	24°53	4°59	23°21	1°33	14°55	16°47	29°46	14° 9	13°27	7°38	n.a.	F 24
S 25	17 50 38	26°45'58	18° 7	24° 8	26° 4	5°39	23°33	1°37	14°57	16°46	29°45	14° 7	13°24	7°44	n.a.	S 25
S 26	17 54 34	27°43'17	0♍15	26°14	27°16	6°18	23°45	1°41	14°58	16°44	29°43	14° 5	13°21	7°51	n.a.	S 26
M27	17 58 31	28°40'37	12°35	28°20	28°28	6°57	23°58	1°46	15° 0	16°43	29°42	14° 4	13°17	7°58	n.a.	M27
T 28	18 2 28	29°37'58	25°12	0♋25	29°39	7°36	24°10	1°50	15° 1	16°41	29°41	14°D 4	13°14	8° 4	n.a.	T 28
W29	18 6 24	0♋35'19	8♎ 9	2°30	0♊51	8°15	24°23	1°55	15° 3	16°40	29°39	14° 4	13°11	8°11	n.a.	W29
T 30	18 10 21	1♋32'41	21♎30	4♋33	2♊ 3	8♊55	24♋35	2♍ 0	15♍ 4	16♑38	29♏38	14♐ 4	13♐ 8	8♋18	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n12	4s27	5s 6	12n59	2s56	8n58	1s59	18n 6	0n12	23n14	0n50	13n41	2n19	6n50	0n45	22s39	0s 3	15s18	5n18	22s48	22s51	21n51		n.a.
T 2	21 23	9 26	4 38	13 28	2 46	9 24	1 57	18 17	0 13	23 12	0 50	13 40	2 19	6 50	0 45	22 40	0 3	15 18	5 18	22 48	22 51	21 50		n.a.
F 3	21 33	14 6	3 54	13 59	2 36	9 50	1 56	18 29	0 13	23 11	0 50	13 39	2 18	6 49	0 45	22 40	0 3	15 17	5 18	22 48	22 51	21 49		n.a.
S 4	21 43	18 7	2 53	14 31	2 25	10 16	1 55	18 40	0 14	23 9	0 50	13 37	2 18	6 49	0 45	22 40	0 3	15 17	5 18	22 48	22 50	21 48		n.a.
S 5	21 53	21 5	1 40	15 4	2 13	10 41	1 54	18 51	0 15	23 8	0 50	13 36	2 18	6 49	0 45	22 40	0 3	15 17	5 18	22 48	22 50	21 47		n.a.
M 6	22 2	22 40	0 19	15 38	2 2	11 7	1 52	19 2	0 15	23 6	0 50	13 35	2 18	6 49	0 45	22 40	0 3	15 17	5 18	22 48	22 50	21 46		n.a.
T 7	22 11	22 37	1n 5	16 13	1 50	11 32	1 51	19 13	0 16	23 4	0 50	13 34	2 18	6 49	0 45	22 40	0 3	15 17	5 17	22 48	22 49	21 45		n.a.
W 8	22 19	20 55	2 23	16 48	1 37	11 57	1 49	19 23	0 16	23 3	0 50	13 33	2 17	6 48	0 45	22 41	0 3	15 17	5 17	22 48	22 49	21 44		n.a.
T 9	22 27	17 48	3 31	17 24	1 25	12 22	1 48	19 34	0 17	23 1	0 50	13 32	2 17	6 48	0 45	22 41	0 3	15 16	5 17	22 48	22 48	21 42		n.a.
F 10	22 35	13 38	4 24	18 1	1 12	12 47	1 46	19 44	0 18	22 59	0 50	13 30	2 17	6 48	0 45	22 41	0 3	15 16	5 17	22 48	22 48	21 41		n.a.
S 11	22 42	8 46	5 0	18 37	1 0	13 11	1 44	19 54	0 18	22 57	0 50	13 29	2 17	6 48	0 45	22 41	0 3	15 16	5 17	22 48	22 48	21 40		n.a.
S 12	22 49	3 35	5 16	19 13	0 47	13 35	1 42	20 4	0 19	22 55	0 50	13 28	2 17	6 47	0 45	22 41	0 3	15 16	5 17	22 48	22 47	21 39		n.a.
M13	22 56	1n37	5 15	19 49	0 35	13 59	1 41	20 14	0 19	22 54	0 50	13 26	2 16	6 47	0 45	22 41	0 3	15 16	5 17	22 48	22 47	21 38		n.a.
T 14	23 2	6 37	4 57	20 24	0 23	14 23	1 39	20 23	0 20	22 52	0 50	13 25	2 16	6 47	0 45	22 42	0 3	15 16	5 16	22 48	22 46	21 37		n.a.
W15	23 8	11 13	4 24	20 58	0 11	14 46	1 37	20 33	0 21	22 50	0 50	13 23	2 16	6 46	0 45	22 42	0 3	15 15	5 16	22 48	22 46	21 36		n.a.
T 16	23 13	15 14	3 40	21 31	0n 1	15 9	1 35	20 42	0 21	22 48	0 50	13 22	2 16	6 46	0 45	22 42	0 3	15 15	5 16	22 48	22 46	21 35		n.a.
F 17	23 18	18 32	2 46	22 3	0 12	15 31	1 33	20 51	0 22	22 46	0 50	13 20	2 16	6 45	0 45	22 42	0 3	15 15	5 16	22 48	22 45	21 33		n.a.
S 18	23 22	20 57	1 45	22 33	0 23	15 54	1 31	21 0	0 22	22 44	0 50	13 19	2 16	6 45	0 45	22 42	0 3	15 15	5 16	22 48	22 45	21 32		n.a.
S 19	23 27	22 25	0 40	23 1	0 34	16 16	1 28	21 9	0 23	22 42	0 50	13 17	2 15	6 44	0 45	22 43	0 3	15 15	5 16	22 48	22 45	21 31		n.a.
M20	23 30	22 51	0s26	23 27	0 44	16 37	1 26	21 17	0 24	22 40	0 50	13 16	2 15	6 44	0 45	22 43	0 3	15 15	5 15	22 48	22 44	21 30		n.a.
T 21	23 34	22 15	1 30	23 51	0 53	16 58	1 24	21 26	0 24	22 38	0 50	13 14	2 15	6 43	0 45	22 43	0 3	15 15	5 15	22 48	22 44	21 29		n.a.
W22	23 36	20 39	2 31	24 12	1 2	17 19	1 22	21 34	0 25	22 36	0 50	13 13	2 15	6 43	0 45	22 43	0 3	15 14	5 15	22 48	22 43	21 28		n.a.
T 23	23 39	18 11	3 24	24 31	1 10	17 40	1 19	21 42	0 25	22 34	0 50	13 11	2 15	6 42	0 44	22 43	0 3	15 14	5 15	22 48	22 43	21 26		n.a.
F 24	23 41	14 57	4 10	24 47	1 17	17 59	1 17	21 50	0 26	22 32	0 51	13 9	2 15	6 42	0 44	22 44	0 3	15 14	5 15	22 48	22 43	21 25		n.a.
S 25	23 43	11 5	4 45	25 0	1 23	18 19	1 14	21 58	0 27	22 30	0 51	13 8	2 14	6 41	0 44	22 44	0 3	15 14	5 15	22 47	22 42	21 24		n.a.
S 26	23 44	6 44	5 7	25 11	1 29	18 38	1 12	22 5	0 27	22 28	0 51	13 6	2 14	6 41	0 44	22 44	0 3	15 14	5 14	22 47	22 42	21 23		n.a.
M27	23 45	2 4	5 16	25 18	1 34	18 57	1 10	22 13	0 28	22 25	0 51	13 4	2 14	6 40	0 44	22 44	0 3	15 14	5 14	22 47	22 41	21 22		n.a.
T 28	23 45	2s48	5 11	25 23	1 38	19 15	1 7	22 20	0 28	22 23	0 51	13 2	2 14	6 39	0 44	22 44	0 3	15 14	5 14	22 47	22 41	21 20		n.a.
W29	23 45	7 41	4 49	25 25	1 42	19 33	1 4	22 27	0 29	22 21	0 51	13 0	2 14	6 39	0 44	22 45	0 3	15 14	5 14	22 47	22 41	21 19		n.a.
T 30	23n44	12s22	4s12	25n25	1n45	19n50	1s 2	22n34	0n30	22n19	0n51	12n59	2n14	6n38	0n44	22s45	0s 3	15s14	5n14	22s47	22s40	21n18		n.a.

Julian Day Number = 1551733.5, Delta T = 04h30m22s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'20, Lahiri = -10°22'19 Julian Calendar 1 June 465 BCE == Greg. Calendar 27 May 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

JULY 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 14 17	2♋30'04	5♏17	6♋35	3♊15	9♊34	24♋48	2♍ 4	15♍ 6	16°R37	29°R37	14♐ 6	13♐ 5	8♋24	n.a.	F 1
S 2	18 18 14	3°27'28	19°30	8°36	4°27	10°13	25° 0	2° 9	15° 8	16♑35	29♏36	14° 7	13° 2	8°31	n.a.	S 2
S 3	18 22 10	4°24'53	4♐ 7	10°36	5°39	10°52	25°13	2°14	15°10	16°33	29°35	14° 8	12°58	8°38	n.a.	S 3
M 4	18 26 7	5°22'19	19° 5	12°34	6°51	11°30	25°25	2°19	15°11	16°32	29°33	14°R 8	12°55	8°44	n.a.	M 4
T 5	18 30 4	6°19'46	4♑15	14°30	8° 3	12° 9	25°38	2°24	15°13	16°30	29°32	14° 7	12°52	8°51	n.a.	T 5
W 6	18 34 0	7°17'14	19°29	16°26	9°15	12°48	25°51	2°29	15°15	16°29	29°31	14° 5	12°49	8°58	n.a.	W 6
T 7	18 37 57	8°14'43	4♒37	18°19	10°27	13°27	26° 4	2°34	15°17	16°27	29°30	14° 2	12°46	9° 4	n.a.	T 7
F 8	18 41 53	9°12'14	19°29	20°12	11°40	14° 6	26°16	2°39	15°19	16°25	29°29	13°59	12°42	9°11	n.a.	F 8
S 9	18 45 50	10° 9'46	3♓59	22° 2	12°52	14°45	26°29	2°45	15°21	16°24	29°28	13°56	12°39	9°18	n.a.	S 9
S 10	18 49 46	11° 7'20	18° 2	23°52	14° 4	15°23	26°42	2°50	15°23	16°22	29°27	13°53	12°36	9°24	n.a.	S 10
M11	18 53 43	12° 4'55	1♈37	25°40	15°17	16° 2	26°55	2°55	15°26	16°21	29°26	13°51	12°33	9°31	n.a.	M11
T 12	18 57 39	13° 2'32	14°45	27°26	16°29	16°41	27° 8	3° 1	15°28	16°19	29°25	13°D51	12°30	9°38	n.a.	T 12
W13	19 1 36	14° 0'11	27°30	29°11	17°42	17°19	27°20	3° 6	15°30	16°17	29°24	13°52	12°27	9°44	n.a.	W13
T 14	19 5 33	14°57'51	9♉56	0♌54	18°55	17°58	27°33	3°12	15°32	16°16	29°23	13°53	12°23	9°51	n.a.	T 14
F 15	19 9 29	15°55'33	22° 6	2°36	20° 7	18°36	27°46	3°17	15°35	16°14	29°22	13°55	12°20	9°58	n.a.	F 15
S 16	19 13 26	16°53'17	4♊ 5	4°16	21°20	19°15	27°59	3°23	15°37	16°12	29°21	13°56	12°17	10° 4	n.a.	S 16
S 17	19 17 22	17°51'03	15°57	5°55	22°33	19°53	28°12	3°29	15°39	16°11	29°20	13°R57	12°14	10°11	n.a.	S 17
M18	19 21 19	18°48'50	27°45	7°33	23°46	20°32	28°25	3°35	15°42	16° 9	29°19	13°56	12°11	10°18	n.a.	M18
T 19	19 25 15	19°46'39	9♋33	9° 9	24°59	21°10	28°38	3°41	15°44	16° 7	29°18	13°53	12° 8	10°24	n.a.	T 19
W20	19 29 12	20°44'29	21°22	10°44	26°12	21°49	28°51	3°46	15°47	16° 6	29°18	13°48	12° 4	10°31	n.a.	W20
T 21	19 33 8	21°42'21	3♌14	12°17	27°25	22°27	29° 4	3°52	15°49	16° 4	29°17	13°42	12° 1	10°38	n.a.	T 21
F 22	19 37 5	22°40'14	15°13	13°49	28°38	23° 5	29°17	3°58	15°52	16° 3	29°16	13°35	11°58	10°44	n.a.	F 22
S 23	19 41 2	23°38'09	27°18	15°20	29°51	23°43	29°30	4° 4	15°55	16° 1	29°15	13°28	11°55	10°51	n.a.	S 23
S 24	19 44 58	24°36'06	9♍32	16°49	1♋ 4	24°22	29°43	4°11	15°57	15°59	29°14	13°21	11°52	10°58	n.a.	S 24
M25	19 48 55	25°34'04	21°58	18°16	2°17	25° 0	29°56	4°17	16° 0	15°58	29°14	13°16	11°48	11° 4	n.a.	M25
T 26	19 52 51	26°32'03	4♎37	19°43	3°31	25°38	0♌ 9	4°23	16° 3	15°56	29°13	13°11	11°45	11°11	n.a.	T 26
W27	19 56 48	27°30'04	17°33	21° 7	4°44	26°16	0°22	4°29	16° 5	15°55	29°13	13° 9	11°42	11°18	n.a.	W27
T 28	20 0 44	28°28'07	0♏48	22°31	5°57	26°54	0°35	4°35	16° 8	15°53	29°12	13°D 9	11°39	11°24	n.a.	T 28
F 29	20 4 41	29°26'11	14°25	23°52	7°11	27°32	0°49	4°42	16°11	15°51	29°11	13°10	11°36	11°31	n.a.	F 29
S 30	20 8 37	0♌24'16	28°26	25°12	8°24	28°10	1° 2	4°48	16°14	15°50	29°11	13°11	11°33	11°37	n.a.	S 30
S 31	20 12 34	1♌22'23	12♐50	26♌31	9♋38	28♊48	1♌15	4♍55	16♍17	15♑48	29♏10	13°R11	11♐29	11♋44	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n44	16s34	3s19	25n22	1n47	20n 7	0s59	22n40	0n30	22n17	0n51	12n57	2n13	6n37	0n44	22s45	0s 3	15s14	5n13	22s47	22s40	21n17		n.a.
S 2	23 42	19 57	2 12	25 16	1 48	20 23	0 57	22 47	0 31	22 14	0 51	12 55	2 13	6 37	0 44	22 45	0 3	15 14	5 13	22 47	22 39	21 15		n.a.
S 3	23 41	22 9	0 55	25 8	1 49	20 38	0 54	22 53	0 31	22 12	0 51	12 53	2 13	6 36	0 44	22 45	0 3	15 14	5 13	22 48	22 39	21 14		n.a.
M 4	23 38	22 50	0n27	24 57	1 49	20 54	0 51	22 59	0 32	22 10	0 51	12 51	2 13	6 35	0 44	22 46	0 3	15 13	5 13	22 48	22 39	21 13		n.a.
T 5	23 36	21 52	1 49	24 45	1 48	21 8	0 49	23 5	0 33	22 7	0 51	12 49	2 13	6 34	0 44	22 46	0 3	15 13	5 13	22 47	22 38	21 12		n.a.
W 6	23 33	19 18	3 3	24 30	1 47	21 22	0 46	23 11	0 33	22 5	0 51	12 47	2 13	6 33	0 44	22 46	0 3	15 13	5 12	22 47	22 38	21 11		n.a.
T 7	23 29	15 25	4 3	24 13	1 46	21 36	0 43	23 16	0 34	22 3	0 51	12 45	2 13	6 33	0 44	22 46	0 3	15 13	5 12	22 47	22 37	21 9		n.a.
F 8	23 26	10 38	4 46	23 55	1 44	21 49	0 40	23 21	0 34	22 0	0 51	12 43	2 12	6 32	0 44	22 47	0 3	15 13	5 12	22 47	22 37	21 8		n.a.
S 9	23 21	5 23	5 10	23 35	1 41	22 1	0 38	23 27	0 35	21 58	0 51	12 41	2 12	6 31	0 44	22 47	0 3	15 13	5 12	22 46	22 37	21 7		n.a.
S 10	23 17	0n 0	5 13	23 13	1 38	22 13	0 35	23 32	0 36	21 55	0 51	12 39	2 12	6 30	0 44	22 47	0 3	15 13	5 12	22 46	22 36	21 6		n.a.
M11	23 12	5 13	4 59	22 50	1 34	22 24	0 32	23 36	0 36	21 53	0 51	12 37	2 12	6 29	0 44	22 47	0 3	15 13	5 11	22 46	22 36	21 4		n.a.
T 12	23 6	10 1	4 30	22 25	1 30	22 34	0 29	23 41	0 37	21 50	0 51	12 35	2 12	6 28	0 44	22 47	0 3	15 13	5 11	22 46	22 35	21 3		n.a.
W13	23 0	14 15	3 48	21 59	1 26	22 44	0 27	23 45	0 37	21 48	0 51	12 33	2 12	6 27	0 44	22 48	0 3	15 13	5 11	22 46	22 35	21 2		n.a.
T 14	22 54	17 45	2 56	21 32	1 21	22 53	0 24	23 50	0 38	21 45	0 51	12 30	2 12	6 27	0 44	22 48	0 3	15 13	5 11	22 46	22 34	21 1		n.a.
F 15	22 47	20 25	1 57	21 4	1 16	23 2	0 21	23 54	0 38	21 43	0 51	12 28	2 12	6 26	0 44	22 48	0 3	15 13	5 10	22 46	22 34	20 59		n.a.
S 16	22 40	22 7	0 54	20 34	1 10	23 10	0 18	23 57	0 39	21 40	0 51	12 26	2 11	6 25	0 44	22 48	0 3	15 13	5 10	22 46	22 34	20 58		n.a.
S 17	22 33	22 49	0s11	20 4	1 4	23 17	0 15	24 1	0 40	21 38	0 51	12 24	2 11	6 24	0 44	22 48	0 3	15 13	5 10	22 46	22 33	20 57		n.a.
M18	22 25	22 29	1 15	19 33	0 58	23 23	0 13	24 5	0 40	21 35	0 51	12 22	2 11	6 23	0 44	22 49	0 3	15 13	5 10	22 46	22 33	20 55		n.a.
T 19	22 16	21 9	2 15	19 1	0 51	23 29	0 10	24 8	0 41	21 32	0 51	12 19	2 11	6 22	0 43	22 49	0 3	15 14	5 10	22 46	22 32	20 54		n.a.
W20	22 8	18 54	3 10	18 29	0 45	23 34	0 7	24 11	0 41	21 30	0 51	12 17	2 11	6 21	0 43	22 49	0 3	15 14	5 9	22 45	22 32	20 53		n.a.
T 21	21 58	15 51	3 56	17 56	0 38	23 39	0 4	24 14	0 42	21 27	0 51	12 15	2 11	6 20	0 43	22 49	0 3	15 14	5 9	22 45	22 31	20 51		n.a.
F 22	21 49	12 8	4 33	17 23	0 30	23 43	0 2	24 17	0 43	21 24	0 52	12 12	2 11	6 19	0 43	22 50	0 3	15 14	5 9	22 44	22 31	20 50		n.a.
S 23	21 39	7 55	4 57	16 49	0 23	23 46	0n 1	24 19	0 43	21 22	0 52	12 10	2 11	6 17	0 43	22 50	0 3	15 14	5 9	22 43	22 31	20 49		n.a.
S 24	21 29	3 20	5 9	16 14	0 15	23 48	0 4	24 21	0 44	21 19	0 52	12 8	2 11	6 16	0 43	22 50	0 3	15 14	5 8	22 42	22 30	20 48		n.a.
M25	21 18	1s27	5 6	15 40	0 7	23 50	0 6	24 24	0 44	21 16	0 52	12 5	2 11	6 15	0 43	22 50	0 3	15 14	5 8	22 41	22 30	20 46		n.a.
T 26	21 7	6 15	4 48	15 5	0s 1	23 51	0 9	24 26	0 45	21 13	0 52	12 3	2 10	6 14	0 43	22 50	0 3	15 14	5 8	22 41	22 29	20 45		n.a.
W27	20 56	10 54	4 16	14 30	0 9	23 52	0 12	24 27	0 46	21 11	0 52	12 1	2 10	6 13	0 43	22 51	0 3	15 14	5 8	22 40	22 29	20 44		n.a.
T 28	20 44	15 9	3 29	13 55	0 18	23 51	0 14	24 29	0 46	21 8	0 52	11 58	2 10	6 12	0 43	22 51	0 3	15 14	5 7	22 40	22 28	20 42		n.a.
F 29	20 32	18 45	2 29	13 19	0 26	23 50	0 17	24 30	0 47	21 5	0 52	11 56	2 10	6 11	0 43	22 51	0 3	15 14	5 7	22 40	22 28	20 41		n.a.
S 30	20 20	21 21	1 19	12 44	0 35	23 48	0 19	24 32	0 47	21 2	0 52	11 53	2 10	6 10	0 43	22 51	0 3	15 14	5 7	22 41	22 28	20 40		n.a.
S 31	20n 7	22s40	0s 2	12n 9	0s44	23n46	0n22	24n33	0n48	20n59	0n52	11n51	2n10	6n 8	0n43	22s51	0s 3	15s15	5n 7	22s41	22s27	20n38		n.a.

Julian Day Number = 1551763.5, Delta T = 04h30m21s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'16, Lahiri = -10°22'15 Julian Calendar 1 July 465 BCE == Greg. Calendar 26 June 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

AUGUST 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 16 31	2♌20'32	27♐35	27♌48	10♋51	29♊26	1♌28	5♍ 1	16♍20	15°R47	29°R10	13°R11	11♐26	11♋51	n.a.	M 1
T 2	20 20 27	3°18'42	12♑36	29° 3	12° 5	0♋ 4	1°41	5° 8	16°23	15♑45	29♏ 9	13♐ 8	11°23	11°58	n.a.	T 2
W 3	20 24 24	4°16'54	27°46	0♍16	13°18	0°42	1°54	5°14	16°26	15°44	29° 9	13° 3	11°20	12° 4	n.a.	W 3
T 4	20 28 20	5°15'08	12♒55	1°28	14°32	1°19	2° 7	5°21	16°29	15°42	29° 9	12°56	11°17	12°11	n.a.	T 4
F 5	20 32 17	6°13'24	27°52	2°37	15°46	1°57	2°20	5°27	16°32	15°41	29° 8	12°48	11°13	12°18	n.a.	F 5
S 6	20 36 13	7°11'41	12♓30	3°45	17° 0	2°35	2°33	5°34	16°35	15°39	29° 8	12°39	11°10	12°24	n.a.	S 6
S 7	20 40 10	8°10'01	26°41	4°50	18°14	3°13	2°46	5°41	16°38	15°38	29° 7	12°32	11° 7	12°31	n.a.	S 7
M 8	20 44 6	9° 8'23	10♈23	5°53	19°27	3°50	2°59	5°47	16°42	15°36	29° 7	12°27	11° 4	12°37	n.a.	M 8
T 9	20 48 3	10° 6'47	23°36	6°54	20°41	4°28	3°12	5°54	16°45	15°35	29° 7	12°23	11° 1	12°44	n.a.	T 9
W10	20 51 59	11° 5'14	6♉23	7°52	21°55	5° 5	3°25	6° 1	16°48	15°33	29° 7	12°D22	10°58	12°51	n.a.	W10
T 11	20 55 56	12° 3'43	18°47	8°48	23° 9	5°43	3°38	6° 8	16°51	15°32	29° 7	12°22	10°54	12°57	n.a.	T 11
F 12	20 59 53	13° 2'14	0♊55	9°40	24°24	6°21	3°51	6°14	16°55	15°30	29° 6	12°23	10°51	13° 4	n.a.	F 12
S 13	21 3 49	14° 0'47	12°51	10°30	25°38	6°58	4° 4	6°21	16°58	15°29	29° 6	12°R23	10°48	13°11	n.a.	S 13
S 14	21 7 46	14°59'23	24°40	11°16	26°52	7°35	4°17	6°28	17° 1	15°28	29° 6	12°22	10°45	13°18	n.a.	S 14
M15	21 11 42	15°58'01	6♋27	11°58	28° 6	8°13	4°30	6°35	17° 5	15°26	29° 6	12°19	10°42	13°24	n.a.	M15
T 16	21 15 39	16°56'41	18°16	12°37	29°20	8°50	4°43	6°42	17° 8	15°25	29° 6	12°14	10°39	13°31	n.a.	T 16
W17	21 19 35	17°55'23	0♌ 9	13°11	0♌35	9°28	4°56	6°49	17°11	15°24	29°D 6	12° 6	10°35	13°38	n.a.	W17
T 18	21 23 32	18°54'07	12° 9	13°41	1°49	10° 5	5° 9	6°56	17°15	15°22	29° 6	11°55	10°32	13°44	n.a.	T 18
F 19	21 27 28	19°52'54	24°18	14° 6	3° 3	10°42	5°22	7° 3	17°18	15°21	29° 6	11°43	10°29	13°51	n.a.	F 19
S 20	21 31 25	20°51'42	6♍36	14°26	4°18	11°19	5°35	7°10	17°22	15°20	29° 6	11°30	10°26	13°58	n.a.	S 20
S 21	21 35 22	21°50'33	19° 4	14°40	5°32	11°56	5°48	7°17	17°25	15°18	29° 6	11°18	10°23	14° 4	n.a.	S 21
M22	21 39 18	22°49'25	1♎43	14°48	6°47	12°34	6° 0	7°24	17°29	15°17	29° 6	11° 8	10°19	14°11	n.a.	M22
T 23	21 43 15	23°48'20	14°33	14°R50	8° 1	13°11	6°13	7°31	17°32	15°16	29° 7	10°59	10°16	14°18	n.a.	T 23
W24	21 47 11	24°47'16	27°36	14°45	9°16	13°48	6°26	7°39	17°36	15°15	29° 7	10°54	10°13	14°24	n.a.	W24
T 25	21 51 8	25°46'15	10♏52	14°32	10°31	14°25	6°39	7°46	17°39	15°14	29° 7	10°51	10°10	14°31	n.a.	T 25
F 26	21 55 4	26°45'15	24°25	14°13	11°45	15° 2	6°51	7°53	17°43	15°13	29° 7	10°D51	10° 7	14°38	n.a.	F 26
S 27	21 59 1	27°44'17	8♐16	13°46	13° 0	15°39	7° 4	8° 0	17°47	15°11	29° 8	10°R51	10° 4	14°44	n.a.	S 27
S 28	22 2 57	28°43'21	22°25	13°12	14°15	16°16	7°17	8° 7	17°50	15°10	29° 8	10°50	10° 0	14°51	n.a.	S 28
M29	22 6 54	29°42'27	6♑51	12°30	15°29	16°52	7°29	8°14	17°54	15° 9	29° 8	10°48	9°57	14°58	n.a.	M29
T 30	22 10 51	0♍41'34	21°33	11°41	16°44	17°29	7°42	8°22	17°58	15° 8	29° 9	10°44	9°54	15° 4	n.a.	T 30
W31	22 14 47	1♍40'44	6♒24	10♍45	17♌59	18♋ 6	7♌54	8♍29	18♍ 1	15♑ 7	29♏ 9	10♐37	9♐51	15♋11	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	19n54	22s27	1n17	11n34	0s53	23n42	0n24	24n33	0n49	20n56	0n52	11n48	2n10	6n 7	0n43	22s52	0s 3	15s15	5n 6	22s41	22s27	20n37			n.a.
T 2	19 40	20 38	2 32	11 0	1 2	23 38	0 27	24 34	0 49	20 54	0 52	11 46	2 10	6 6	0 43	22 52	0 3	15 15	5 6	22 40	22 26	20 36			n.a.
W 3	19 26	17 21	3 36	10 25	1 11	23 34	0 29	24 35	0 50	20 51	0 52	11 43	2 10	6 5	0 43	22 52	0 3	15 15	5 6	22 40	22 26	20 34			n.a.
T 4	19 12	12 55	4 26	9 51	1 20	23 28	0 32	24 35	0 50	20 48	0 52	11 41	2 10	6 4	0 43	22 52	0 3	15 15	5 6	22 39	22 25	20 33			n.a.
F 5	18 58	7 44	4 56	9 17	1 29	23 22	0 34	24 35	0 51	20 45	0 53	11 38	2 10	6 2	0 43	22 52	0 3	15 15	5 5	22 38	22 25	20 31			n.a.
S 6	18 43	2 15	5 6	8 44	1 38	23 15	0 37	24 35	0 51	20 42	0 53	11 36	2 10	6 1	0 43	22 52	0 3	15 16	5 5	22 37	22 25	20 30			n.a.
S 7	18 28	3n12	4 57	8 12	1 47	23 8	0 39	24 35	0 52	20 39	0 53	11 33	2 10	6 0	0 43	22 53	0 3	15 16	5 5	22 36	22 24	20 29			n.a.
M 8	18 12	8 18	4 31	7 40	1 56	23 0	0 41	24 34	0 53	20 36	0 53	11 31	2 10	5 59	0 43	22 53	0 3	15 16	5 5	22 35	22 24	20 27			n.a.
T 9	17 56	12 51	3 51	7 9	2 5	22 51	0 43	24 34	0 53	20 33	0 53	11 28	2 9	5 57	0 43	22 53	0 3	15 16	5 4	22 34	22 23	20 26			n.a.
W10	17 40	16 39	3 1	6 39	2 14	22 41	0 45	24 33	0 54	20 30	0 53	11 25	2 9	5 56	0 43	22 53	0 3	15 16	5 4	22 34	22 23	20 25			n.a.
T 11	17 24	19 36	2 3	6 10	2 23	22 31	0 48	24 32	0 54	20 27	0 53	11 23	2 9	5 55	0 43	22 53	0 3	15 17	5 4	22 34	22 22	20 23			n.a.
F 12	17 7	21 36	1 1	5 42	2 32	22 20	0 50	24 31	0 55	20 24	0 53	11 20	2 9	5 53	0 43	22 54	0 3	15 17	5 4	22 34	22 22	20 22			n.a.
S 13	16 50	22 36	0s 3	5 15	2 41	22 8	0 52	24 29	0 56	20 21	0 53	11 18	2 9	5 52	0 43	22 54	0 3	15 17	5 3	22 34	22 21	20 20			n.a.
S 14	16 33	22 33	1 5	4 50	2 49	21 56	0 54	24 28	0 56	20 18	0 53	11 15	2 9	5 51	0 43	22 54	0 3	15 17	5 3	22 34	22 21	20 19			n.a.
M15	16 15	21 31	2 5	4 26	2 57	21 43	0 56	24 26	0 57	20 15	0 53	11 12	2 9	5 49	0 43	22 54	0 3	15 17	5 3	22 34	22 20	20 18			n.a.
T 16	15 58	19 32	2 59	4 4	3 5	21 29	0 58	24 24	0 57	20 12	0 53	11 10	2 9	5 48	0 43	22 54	0 3	15 18	5 3	22 33	22 20	20 16			n.a.
W17	15 39	16 42	3 46	3 44	3 12	21 15	0 59	24 22	0 58	20 9	0 54	11 7	2 9	5 47	0 43	22 54	0 4	15 18	5 2	22 32	22 20	20 15			n.a.
T 18	15 21	13 10	4 23	3 26	3 20	21 0	1 1	24 20	0 59	20 6	0 54	11 4	2 9	5 45	0 43	22 55	0 4	15 18	5 2	22 31	22 19	20 13			n.a.
F 19	15 3	9 4	4 48	3 10	3 26	20 45	1 3	24 18	0 59	20 3	0 54	11 2	2 9	5 44	0 43	22 55	0 4	15 19	5 2	22 29	22 19	20 12			n.a.
S 20	14 44	4 33	5 1	2 57	3 32	20 29	1 5	24 15	1 0	19 59	0 54	10 59	2 9	5 42	0 43	22 55	0 4	15 19	5 2	22 27	22 18	20 11			n.a.
S 21	14 25	0s12	4 59	2 47	3 37	20 12	1 6	24 12	1 0	19 56	0 54	10 56	2 9	5 41	0 43	22 55	0 4	15 19	5 1	22 26	22 18	20 9			n.a.
M22	14 5	5 0	4 43	2 39	3 42	19 55	1 8	24 10	1 1	19 53	0 54	10 54	2 9	5 40	0 43	22 55	0 4	15 19	5 1	22 24	22 17	20 8			n.a.
T 23	13 46	9 40	4 12	2 35	3 46	19 37	1 9	24 7	1 2	19 50	0 54	10 51	2 9	5 38	0 43	22 55	0 4	15 20	5 1	22 23	22 17	20 6			n.a.
W24	13 26	13 59	3 28	2 35	3 48	19 18	1 11	24 3	1 2	19 47	0 54	10 48	2 9	5 37	0 43	22 56	0 4	15 20	5 0	22 22	22 16	20 5			n.a.
T 25	13 6	17 41	2 32	2 38	3 50	18 59	1 12	24 0	1 3	19 44	0 54	10 45	2 9	5 35	0 43	22 56	0 4	15 20	5 0	22 22	22 16	20 3			n.a.
F 26	12 45	20 31	1 26	2 46	3 50	18 40	1 13	23 56	1 3	19 41	0 55	10 43	2 9	5 34	0 43	22 56	0 4	15 21	5 0	22 22	22 15	20 2			n.a.
S 27	12 25	22 12	0 14	2 57	3 49	18 19	1 15	23 53	1 4	19 38	0 55	10 40	2 9	5 33	0 42	22 56	0 4	15 21	5 0	22 22	22 15	20 1			n.a.
S 28	12 4	22 31	1n 1	3 13	3 46	17 59	1 16	23 49	1 5	19 34	0 55	10 37	2 9	5 31	0 42	22 56	0 4	15 21	4 59	22 22	22 14	19 59			n.a.
M29	11 43	21 21	2 13	3 34	3 41	17 38	1 17	23 45	1 5	19 31	0 55	10 35	2 9	5 30	0 42	22 56	0 4	15 22	4 59	22 21	22 14	19 58			n.a.
T 30	11 22	18 45	3 18	3 58	3 35	17 16	1 18	23 41	1 6	19 28	0 55	10 32	2 9	5 28	0 42	22 56	0 4	15 22	4 59	22 21	22 13	19 56			n.a.
W31	11n 1	14s54	4n 9	4n27	3s26	16n54	1n19	23n36	1n 6	19n25	0n55	10n29	2n 9	5n27	0n42	22s56	0s 4	15s22	4n59	22s20	22s13	19n55			n.a.

Julian Day Number = 1551794.5, Delta T = 04h30m19s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'11, Lahiri = -10°22'11 Julian Calendar 1 Aug. 465 BCE == Greg. Calendar 27 July 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

SEPTEMBER 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 18 44	2♍39'55	21♒18	9°R44	19♌14	18♋43	8♌ 7	8♍36	18♍ 5	15°R 6	29♏10	10°R27	9♐48	15♋18	n.a.	T 1
F 2	22 22 40	3°39'09	6♓ 4	8♍38	20°29	19°19	8°19	8°43	18° 9	15♑ 5	29°10	10♐15	9°45	15°24	n.a.	F 2
S 3	22 26 37	4°38'25	20°36	7°29	21°43	19°56	8°32	8°50	18°12	15° 4	29°11	10° 4	9°41	15°31	n.a.	S 3
S 4	22 30 33	5°37'42	4♈46	6°19	22°58	20°33	8°44	8°58	18°16	15° 3	29°11	9°53	9°38	15°38	n.a.	S 4
M 5	22 34 30	6°37'03	18°30	5° 9	24°13	21° 9	8°56	9° 5	18°20	15° 3	29°12	9°44	9°35	15°44	n.a.	M 5
T 6	22 38 26	7°36'25	1♉46	4° 1	25°28	21°46	9° 8	9°12	18°23	15° 2	29°13	9°38	9°32	15°51	n.a.	T 6
W 7	22 42 23	8°35'50	14°36	2°58	26°43	22°22	9°21	9°19	18°27	15° 1	29°13	9°34	9°29	15°58	n.a.	W 7
T 8	22 46 19	9°35'18	27° 3	2° 0	27°58	22°59	9°33	9°27	18°31	15° 0	29°14	9°33	9°25	16° 4	n.a.	T 8
F 9	22 50 16	10°34'48	9♊12	1°11	29°13	23°35	9°45	9°34	18°35	14°59	29°15	9°33	9°22	16°11	n.a.	F 9
S 10	22 54 13	11°34'20	21° 9	0°30	0♍28	24°11	9°57	9°41	18°39	14°59	29°15	9°32	9°19	16°18	n.a.	S 10
S 11	22 58 9	12°33'55	2♋59	29♌59	1°44	24°48	10° 9	9°48	18°42	14°58	29°16	9°31	9°16	16°24	n.a.	S 11
M12	23 2 6	13°33'32	14°47	29°40	2°59	25°24	10°21	9°56	18°46	14°57	29°17	9°28	9°13	16°31	n.a.	M12
T 13	23 6 2	14°33'11	26°38	29°D31	4°14	26° 0	10°33	10° 3	18°50	14°57	29°18	9°22	9°10	16°38	n.a.	T 13
W14	23 9 59	15°32'53	8♌36	29°34	5°29	26°36	10°45	10°10	18°54	14°56	29°19	9°13	9° 6	16°44	n.a.	W14
T 15	23 13 55	16°32'37	20°44	29°47	6°44	27°12	10°56	10°17	18°57	14°55	29°20	9° 2	9° 3	16°51	n.a.	T 15
F 16	23 17 52	17°32'23	3♍ 4	0♍10	8° 0	27°49	11° 8	10°24	19° 1	14°55	29°20	8°49	9° 0	16°58	n.a.	F 16
S 17	23 21 48	18°32'12	15°37	0°44	9°15	28°25	11°20	10°32	19° 5	14°54	29°21	8°35	8°57	17° 4	n.a.	S 17
S 18	23 25 45	19°32'02	28°23	1°26	10°30	29° 1	11°31	10°39	19° 9	14°54	29°22	8°22	8°54	17°11	n.a.	S 18
M19	23 29 41	20°31'55	11♎22	2°17	11°45	29°36	11°43	10°46	19°13	14°53	29°23	8°10	8°50	17°18	n.a.	M19
T 20	23 33 38	21°31'49	24°32	3°14	13° 1	0♌12	11°54	10°53	19°16	14°53	29°24	8° 1	8°47	17°24	n.a.	T 20
W21	23 37 35	22°31'45	7♏52	4°19	14°16	0°48	12° 6	11° 0	19°20	14°53	29°26	7°55	8°44	17°31	n.a.	W21
T 22	23 41 31	23°31'43	21°22	5°29	15°31	1°24	12°17	11° 7	19°24	14°52	29°27	7°52	8°41	17°38	n.a.	T 22
F 23	23 45 28	24°31'44	5♐ 3	6°44	16°47	2° 0	12°28	11°15	19°28	14°52	29°28	7°D51	8°38	17°44	n.a.	F 23
S 24	23 49 24	25°31'45	18°53	8° 4	18° 2	2°35	12°40	11°22	19°32	14°52	29°29	7°R51	8°35	17°51	n.a.	S 24
S 25	23 53 21	26°31'49	2♑55	9°27	19°18	3°11	12°51	11°29	19°35	14°51	29°30	7°51	8°31	17°58	n.a.	S 25
M26	23 57 17	27°31'54	17° 6	10°53	20°33	3°46	13° 2	11°36	19°39	14°51	29°31	7°50	8°28	18° 4	n.a.	M26
T 27	0 1 14	28°32'01	1♒27	12°22	21°48	4°22	13°13	11°43	19°43	14°51	29°33	7°46	8°25	18°11	n.a.	T 27
W28	0 5 10	29°32'09	15°53	13°53	23° 4	4°57	13°24	11°50	19°47	14°51	29°34	7°40	8°22	18°18	n.a.	W28
T 29	0 9 7	0♎32'19	0♓20	15°26	24°19	5°33	13°34	11°57	19°50	14°51	29°35	7°31	8°19	18°24	n.a.	T 29
F 30	0 13 4	1♎32'31	14♓43	17♍ 0	25♍35	6♌ 8	13♌45	12♍ 4	19♍54	14♑51	29♏36	7♐20	8♐16	18♋31	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n39	10s 6	4n44	5n 0	3s16	16n31	1n20	23n32	1n 7	19n22	0n55	10n26	2n 9	5n25	0n42	22s57	0s 4	15s23	4n58	22s18	22s12	19n53		n.a.
F 2	10 18	4 46	5 0	5 37	3 3	16 8	1 21	23 27	1 8	19 19	0 55	10 24	2 9	5 24	0 42	22 57	0 4	15 23	4 58	22 17	22 12	19 52		n.a.
S 3	9 56	0n45	4 56	6 16	2 49	15 44	1 22	23 22	1 8	19 16	0 56	10 21	2 9	5 22	0 42	22 57	0 4	15 23	4 58	22 15	22 12	19 50		n.a.
S 4	9 34	6 5	4 33	6 57	2 33	15 20	1 23	23 17	1 9	19 12	0 56	10 18	2 9	5 21	0 42	22 57	0 4	15 24	4 58	22 13	22 11	19 49		n.a.
M 5	9 12	10 57	3 55	7 39	2 15	14 56	1 23	23 12	1 9	19 9	0 56	10 15	2 9	5 19	0 42	22 57	0 4	15 24	4 57	22 12	22 11	19 47		n.a.
T 6	8 50	15 8	3 6	8 22	1 56	14 31	1 24	23 7	1 10	19 6	0 56	10 13	2 9	5 18	0 42	22 57	0 4	15 24	4 57	22 11	22 10	19 46		n.a.
W 7	8 27	18 28	2 8	9 3	1 37	14 5	1 24	23 2	1 11	19 3	0 56	10 10	2 9	5 16	0 42	22 57	0 4	15 25	4 57	22 10	22 10	19 44		n.a.
T 8	8 4	20 49	1 6	9 43	1 16	13 40	1 25	22 56	1 11	19 0	0 56	10 7	2 9	5 15	0 42	22 57	0 4	15 25	4 57	22 10	22 9	19 43		n.a.
F 9	7 42	22 9	0 2	10 19	0 56	13 13	1 25	22 50	1 12	18 57	0 56	10 4	2 9	5 13	0 42	22 57	0 4	15 26	4 56	22 10	22 9	19 41		n.a.
S 10	7 19	22 26	1s 1	10 53	0 36	12 47	1 26	22 45	1 12	18 53	0 57	10 2	2 9	5 12	0 42	22 58	0 4	15 26	4 56	22 10	22 8	19 40		n.a.
S 11	6 56	21 42	2 1	11 22	0 16	12 20	1 26	22 39	1 13	18 50	0 57	9 59	2 9	5 10	0 42	22 58	0 4	15 26	4 56	22 10	22 8	19 38		n.a.
M12	6 33	20 1	2 55	11 46	0n 2	11 53	1 26	22 32	1 14	18 47	0 57	9 56	2 9	5 9	0 42	22 58	0 4	15 27	4 56	22 10	22 7	19 37		n.a.
T 13	6 9	17 29	3 42	12 6	0 20	11 25	1 26	22 26	1 14	18 44	0 57	9 54	2 9	5 7	0 42	22 58	0 4	15 27	4 55	22 9	22 7	19 35		n.a.
W14	5 46	14 11	4 19	12 20	0 36	10 57	1 27	22 20	1 15	18 41	0 57	9 51	2 9	5 6	0 42	22 58	0 4	15 28	4 55	22 7	22 6	19 34		n.a.
T 15	5 23	10 16	4 45	12 30	0 51	10 29	1 27	22 13	1 15	18 38	0 57	9 48	2 9	5 4	0 42	22 58	0 4	15 28	4 55	22 6	22 6	19 32		n.a.
F 16	4 59	5 52	4 59	12 34	1 5	10 1	1 27	22 7	1 16	18 35	0 57	9 45	2 10	5 3	0 42	22 58	0 4	15 29	4 55	22 3	22 5	19 31		n.a.
S 17	4 35	1 10	4 58	12 33	1 17	9 32	1 26	22 0	1 17	18 31	0 58	9 43	2 10	5 1	0 42	22 58	0 4	15 29	4 54	22 1	22 5	19 29		n.a.
S 18	4 12	3s40	4 42	12 27	1 27	9 3	1 26	21 53	1 17	18 28	0 58	9 40	2 10	5 0	0 42	22 58	0 4	15 30	4 54	21 59	22 4	19 28		n.a.
M19	3 48	8 24	4 12	12 17	1 36	8 34	1 26	21 46	1 18	18 25	0 58	9 37	2 10	4 58	0 42	22 58	0 4	15 30	4 54	21 57	22 4	19 26		n.a.
T 20	3 24	12 50	3 28	12 3	1 44	8 4	1 26	21 39	1 19	18 22	0 58	9 34	2 10	4 57	0 42	22 58	0 4	15 30	4 54	21 56	22 3	19 25		n.a.
W21	3 0	16 42	2 32	11 45	1 50	7 35	1 25	21 32	1 19	18 19	0 58	9 32	2 10	4 55	0 42	22 58	0 4	15 31	4 53	21 55	22 3	19 23		n.a.
T 22	2 36	19 43	1 26	11 24	1 55	7 5	1 25	21 24	1 20	18 16	0 58	9 29	2 10	4 54	0 42	22 58	0 4	15 31	4 53	21 54	22 2	19 22		n.a.
F 23	2 12	21 40	0 15	10 59	1 59	6 35	1 24	21 17	1 20	18 13	0 59	9 26	2 10	4 52	0 42	22 58	0 4	15 32	4 53	21 54	22 2	19 20		n.a.
S 24	1 48	22 19	0n58	10 32	2 2	6 4	1 24	21 9	1 21	18 10	0 59	9 24	2 10	4 51	0 42	22 59	0 4	15 32	4 53	21 54	22 1	19 19		n.a.
S 25	1 24	21 34	2 9	10 2	2 4	5 34	1 23	21 1	1 22	18 7	0 59	9 21	2 10	4 49	0 42	22 59	0 4	15 33	4 52	21 54	22 1	19 17		n.a.
M26	1 0	19 27	3 12	9 29	2 4	5 3	1 23	20 54	1 22	18 4	0 59	9 18	2 10	4 48	0 42	22 59	0 4	15 33	4 52	21 54	22 0	19 15		n.a.
T 27	0 35	16 7	4 5	8 55	2 4	4 32	1 22	20 46	1 23	18 1	0 59	9 16	2 10	4 46	0 42	22 59	0 4	15 34	4 52	21 53	22 0	19 14		n.a.
W28	0 11	11 48	4 41	8 19	2 4	4 2	1 21	20 38	1 24	17 58	0 59	9 13	2 10	4 45	0 42	22 59	0 4	15 34	4 52	21 52	21 59	19 12		n.a.
T 29	0s13	6 49	5 0	7 41	2 2	3 30	1 20	20 29	1 24	17 55	1 0	9 11	2 11	4 43	0 42	22 59	0 4	15 35	4 51	21 51	21 59	19 11		n.a.
F 30	0s37	1s29	5n 0	7n 2	2n 0	2n59	1n19	20n21	1n25	17n52	1n 0	9n 8	2n11	4n42	0n42	22s59	0s 4	15s35	4n51	21s49	21s58	19n 9		n.a.

Julian Day Number = 1551825.5, Delta T = 04h30m18s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'07, Lahiri = -10°22'07 Julian Calendar 1 Sept. 465 BCE == Greg. Calendar 27 Aug. 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

OCTOBER 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 17 0	2♎32'45	28♓55	18♍35	26♍50	6♌43	13♌56	12♍11	19♍58	14°R51	29♏38	7°R 9	8♐12	18♋38	n.a.	S 1
S 2	0 20 57	3°33'00	12♈50	20°11	28° 6	7°19	14° 6	12°18	20° 2	14°D50	29°39	6♐59	8° 9	18°44	n.a.	S 2
M 3	0 24 53	4°33'17	26°24	21°48	29°21	7°54	14°17	12°25	20° 5	14♑50	29°41	6°51	8° 6	18°51	n.a.	M 3
T 4	0 28 50	5°33'37	9♉36	23°25	0♎37	8°29	14°27	12°32	20° 9	14°51	29°42	6°45	8° 3	18°58	n.a.	T 4
W 5	0 32 46	6°33'58	22°24	25° 2	1°52	9° 4	14°37	12°38	20°13	14°51	29°43	6°42	8° 0	19° 5	n.a.	W 5
T 6	0 36 43	7°34'22	4♊52	26°40	3° 8	9°39	14°47	12°45	20°16	14°51	29°45	6°D41	7°56	19°11	n.a.	T 6
F 7	0 40 39	8°34'47	17° 3	28°18	4°23	10°14	14°57	12°52	20°20	14°51	29°46	6°41	7°53	19°18	n.a.	F 7
S 8	0 44 36	9°35'15	29° 2	29°55	5°39	10°49	15° 7	12°59	20°24	14°51	29°48	6°42	7°50	19°25	n.a.	S 8
S 9	0 48 33	10°35'44	10♋53	1♎33	6°54	11°24	15°17	13° 6	20°27	14°51	29°49	6°R43	7°47	19°31	n.a.	S 9
M10	0 52 29	11°36'16	22°43	3°11	8°10	11°58	15°27	13°12	20°31	14°52	29°51	6°42	7°44	19°38	n.a.	M10
T 11	0 56 26	12°36'49	4♌35	4°48	9°25	12°33	15°37	13°19	20°34	14°52	29°53	6°39	7°41	19°45	n.a.	T 11
W12	1 0 22	13°37'24	16°36	6°25	10°41	13° 8	15°46	13°25	20°38	14°52	29°54	6°34	7°37	19°51	n.a.	W12
T 13	1 4 19	14°38'01	28°49	8° 3	11°56	13°42	15°56	13°32	20°42	14°52	29°56	6°27	7°34	19°58	n.a.	T 13
F 14	1 8 15	15°38'40	11♍18	9°39	13°12	14°17	16° 5	13°39	20°45	14°53	29°57	6°18	7°31	20° 5	n.a.	F 14
S 15	1 12 12	16°39'21	24° 3	11°16	14°27	14°51	16°15	13°45	20°49	14°53	29°59	6° 9	7°28	20°11	n.a.	S 15
S 16	1 16 8	17°40'03	7♎ 6	12°53	15°43	15°26	16°24	13°52	20°52	14°54	0♐ 1	6° 0	7°25	20°18	n.a.	S 16
M17	1 20 5	18°40'47	20°25	14°29	16°59	16° 0	16°33	13°58	20°56	14°54	0° 3	5°52	7°21	20°25	n.a.	M17
T 18	1 24 1	19°41'32	3♏59	16° 5	18°14	16°34	16°42	14° 4	20°59	14°55	0° 4	5°46	7°18	20°31	n.a.	T 18
W19	1 27 58	20°42'19	17°45	17°40	19°30	17° 8	16°50	14°11	21° 3	14°55	0° 6	5°42	7°15	20°38	n.a.	W19
T 20	1 31 55	21°43'07	1♐40	19°16	20°45	17°42	16°59	14°17	21° 6	14°56	0° 8	5°D40	7°12	20°45	n.a.	T 20
F 21	1 35 51	22°43'57	15°41	20°51	22° 1	18°16	17° 8	14°23	21° 9	14°57	0°10	5°41	7° 9	20°51	n.a.	F 21
S 22	1 39 48	23°44'47	29°47	22°27	23°16	18°50	17°16	14°29	21°13	14°57	0°11	5°42	7° 6	20°58	n.a.	S 22
S 23	1 43 44	24°45'39	13♑54	24° 1	24°32	19°24	17°24	14°35	21°16	14°58	0°13	5°43	7° 2	21° 5	n.a.	S 23
M24	1 47 41	25°46'32	28° 3	25°36	25°48	19°58	17°33	14°41	21°19	14°59	0°15	5°R44	6°59	21°11	n.a.	M24
T 25	1 51 37	26°47'25	12♒10	27°11	27° 3	20°31	17°41	14°47	21°23	14°59	0°17	5°43	6°56	21°18	n.a.	T 25
W26	1 55 34	27°48'20	26°16	28°45	28°19	21° 5	17°49	14°53	21°26	15° 0	0°19	5°40	6°53	21°25	n.a.	W26
T 27	1 59 30	28°49'15	10♓17	0♏20	29°34	21°38	17°56	14°59	21°29	15° 1	0°21	5°35	6°50	21°32	n.a.	T 27
F 28	2 3 27	29°50'11	24°11	1°54	0♏50	22°12	18° 4	15° 5	21°32	15° 2	0°23	5°30	6°47	21°38	n.a.	F 28
S 29	2 7 24	0♏51'09	7♈54	3°28	2° 5	22°45	18°12	15°11	21°35	15° 3	0°25	5°24	6°43	21°45	n.a.	S 29
S 30	2 11 20	1°52'07	21°24	5° 2	3°21	23°18	18°19	15°17	21°39	15° 4	0°27	5°18	6°40	21°52	n.a.	S 30
M31	2 15 17	2♏53'06	4♉38	6♏37	4♏37	23♌51	18♌26	15♍22	21♍42	15♑ 5	0♐29	5♐14	6♐37	21♋58	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s 1	3n51	4n42	6n22	1n57	2n28	1n18	20n13	1n26	17n49	1n 0	9n 5	2n11	4n40	0n42	22s59	0s 4	15s36	4n51	21s47	21s58	19n 8		n.a.
S 2	1 26	8 54	4 6	5 41	1 54	1 57	1 17	20 4	1 26	17 46	1 0	9 3	2 11	4 39	0 42	22 59	0 4	15 36	4 51	21 46	21 57	19 6		n.a.
M 3	1 50	13 23	3 18	4 59	1 51	1 25	1 16	19 56	1 27	17 43	1 0	9 0	2 11	4 37	0 42	22 59	0 4	15 37	4 51	21 44	21 57	19 4		n.a.
T 4	2 14	17 4	2 19	4 16	1 46	0 54	1 15	19 47	1 27	17 40	1 1	8 58	2 11	4 36	0 42	22 59	0 4	15 37	4 50	21 43	21 56	19 3		n.a.
W 5	2 38	19 50	1 16	3 33	1 42	0 22	1 14	19 38	1 28	17 38	1 1	8 55	2 11	4 34	0 42	22 59	0 4	15 38	4 50	21 43	21 56	19 1		n.a.
T 6	3 3	21 33	0 10	2 50	1 37	0s 9	1 12	19 29	1 29	17 35	1 1	8 52	2 11	4 33	0 42	22 59	0 4	15 38	4 50	21 42	21 55	19 0		n.a.
F 7	3 27	22 12	0s55	2 6	1 32	0 41	1 11	19 20	1 29	17 32	1 1	8 50	2 11	4 32	0 42	22 59	0 4	15 39	4 50	21 42	21 55	18 58		n.a.
S 8	3 51	21 48	1 57	1 21	1 27	1 12	1 10	19 11	1 30	17 29	1 1	8 47	2 12	4 30	0 42	22 59	0 4	15 39	4 49	21 43	21 54	18 56		n.a.
S 9	4 15	20 25	2 53	0 37	1 21	1 44	1 8	19 2	1 31	17 26	1 2	8 45	2 12	4 29	0 42	22 59	0 4	15 40	4 49	21 43	21 54	18 55		n.a.
M10	4 39	18 10	3 41	0s 7	1 16	2 15	1 7	18 53	1 31	17 24	1 2	8 42	2 12	4 27	0 42	22 59	0 4	15 40	4 49	21 43	21 53	18 53		n.a.
T 11	5 3	15 9	4 20	0 52	1 10	2 47	1 5	18 44	1 32	17 21	1 2	8 40	2 12	4 26	0 42	22 59	0 4	15 41	4 49	21 42	21 52	18 52		n.a.
W12	5 27	11 29	4 48	1 37	1 4	3 18	1 4	18 34	1 33	17 18	1 2	8 38	2 12	4 24	0 42	22 59	0 4	15 42	4 49	21 41	21 52	18 50		n.a.
T 13	5 50	7 17	5 4	2 21	0 58	3 50	1 2	18 25	1 33	17 16	1 2	8 35	2 12	4 23	0 42	22 59	0 4	15 42	4 48	21 40	21 51	18 48		n.a.
F 14	6 14	2 43	5 5	3 5	0 51	4 21	1 0	18 15	1 34	17 13	1 3	8 33	2 12	4 22	0 42	22 59	0 4	15 43	4 48	21 38	21 51	18 47		n.a.
S 15	6 38	2s 4	4 52	3 50	0 45	4 52	0 59	18 6	1 35	17 10	1 3	8 30	2 13	4 20	0 42	22 59	0 4	15 43	4 48	21 37	21 50	18 45		n.a.
S 16	7 1	6 52	4 23	4 34	0 38	5 23	0 57	17 56	1 35	17 8	1 3	8 28	2 13	4 19	0 42	22 58	0 4	15 44	4 48	21 35	21 50	18 44		n.a.
M17	7 25	11 28	3 40	5 17	0 32	5 54	0 55	17 46	1 36	17 5	1 3	8 26	2 13	4 17	0 42	22 58	0 4	15 44	4 48	21 34	21 49	18 42		n.a.
T 18	7 48	15 33	2 43	6 1	0 25	6 25	0 53	17 37	1 37	17 3	1 4	8 23	2 13	4 16	0 43	22 58	0 4	15 45	4 47	21 33	21 49	18 40		n.a.
W19	8 11	18 52	1 35	6 44	0 19	6 56	0 51	17 27	1 37	17 0	1 4	8 21	2 13	4 15	0 43	22 58	0 4	15 45	4 47	21 32	21 48	18 39		n.a.
T 20	8 34	21 7	0 22	7 27	0 12	7 27	0 50	17 17	1 38	16 58	1 4	8 19	2 13	4 13	0 43	22 58	0 4	15 46	4 47	21 32	21 48	18 37		n.a.
F 21	8 57	22 4	0n54	8 9	0 6	7 57	0 48	17 7	1 39	16 55	1 4	8 16	2 13	4 12	0 43	22 58	0 4	15 47	4 47	21 32	21 47	18 35		n.a.
S 22	9 20	21 38	2 7	8 52	0s 1	8 27	0 46	16 57	1 39	16 53	1 4	8 14	2 14	4 11	0 43	22 58	0 4	15 47	4 47	21 32	21 47	18 34		n.a.
S 23	9 43	19 49	3 13	9 33	0 8	8 57	0 44	16 47	1 40	16 51	1 5	8 12	2 14	4 9	0 43	22 58	0 4	15 48	4 46	21 32	21 46	18 32		n.a.
M24	10 5	16 48	4 6	10 14	0 14	9 27	0 41	16 37	1 41	16 48	1 5	8 10	2 14	4 8	0 43	22 58	0 4	15 48	4 46	21 32	21 46	18 30		n.a.
T 25	10 28	12 48	4 45	10 55	0 21	9 57	0 39	16 26	1 42	16 46	1 5	8 7	2 14	4 7	0 43	22 58	0 4	15 49	4 46	21 32	21 45	18 29		n.a.
W26	10 50	8 7	5 7	11 35	0 27	10 26	0 37	16 16	1 42	16 44	1 5	8 5	2 14	4 6	0 43	22 58	0 4	15 49	4 46	21 32	21 44	18 27		n.a.
T 27	11 12	3 2	5 10	12 15	0 33	10 55	0 35	16 6	1 43	16 42	1 6	8 3	2 14	4 4	0 43	22 58	0 4	15 50	4 46	21 31	21 44	18 25		n.a.
F 28	11 34	2n 9	4 55	12 54	0 40	11 24	0 33	15 55	1 44	16 39	1 6	8 1	2 15	4 3	0 43	22 58	0 4	15 50	4 46	21 30	21 43	18 24		n.a.
S 29	11 55	7 11	4 23	13 33	0 46	11 52	0 31	15 45	1 44	16 37	1 6	7 59	2 15	4 2	0 43	22 58	0 4	15 51	4 45	21 29	21 43	18 22		n.a.
S 30	12 17	11 47	3 36	14 11	0 52	12 21	0 29	15 35	1 45	16 35	1 6	7 57	2 15	4 1	0 43	22 57	0 4	15 52	4 45	21 28	21 42	18 21		n.a.
M31	12s38	15n44	2n39	14s48	0s58	12s49	0n26	15n24	1n46	16n33	1n 7	7n55	2n15	3n59	0n43	22s57	0s 4	15s52	4n45	21s27	21s42	18n19		n.a.

Julian Day Number = 1551855.5, Delta T = 04h30m17s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°29'03, Lahiri = -10°22'03 Julian Calendar 1 Oct. 465 BCE == Greg. Calendar 26 Sept. 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

NOVEMBER 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 19 13	3♏54'07	17♉35	8♏11	5♏52	24♌24	18♌33	15♍28	21♍45	15♑ 6	0♐30	5°R11	6♐34	22♋ 5	n.a.	T 1
W 2	2 23 10	4°55'09	0♊15	9°45	7° 8	24°57	18°40	15°33	21°48	15° 7	0°32	5°D 9	6°31	22°12	n.a.	W 2
T 3	2 27 6	5°56'11	12°39	11°19	8°23	25°30	18°47	15°39	21°51	15° 8	0°34	5♐ 9	6°27	22°18	n.a.	T 3
F 4	2 31 3	6°57'15	24°49	12°53	9°39	26° 3	18°54	15°44	21°54	15° 9	0°36	5°11	6°24	22°25	n.a.	F 4
S 5	2 34 59	7°58'20	6♋48	14°27	10°54	26°35	19° 0	15°50	21°57	15°10	0°39	5°12	6°21	22°32	n.a.	S 5
S 6	2 38 56	8°59'26	18°40	16° 1	12°10	27° 8	19° 7	15°55	22° 0	15°11	0°41	5°14	6°18	22°38	n.a.	S 6
M 7	2 42 53	10° 0'34	0♌30	17°35	13°25	27°40	19°13	16° 0	22° 2	15°12	0°43	5°16	6°15	22°45	n.a.	M 7
T 8	2 46 49	11° 1'42	12°22	19° 9	14°41	28°13	19°19	16° 5	22° 5	15°13	0°45	5°R16	6°12	22°52	n.a.	T 8
W 9	2 50 46	12° 2'51	24°23	20°43	15°56	28°45	19°25	16°10	22° 8	15°15	0°47	5°15	6° 8	22°58	n.a.	W 9
T 10	2 54 42	13° 4'01	6♍36	22°17	17°12	29°17	19°31	16°15	22°11	15°16	0°49	5°14	6° 5	23° 5	n.a.	T 10
F 11	2 58 39	14° 5'12	19° 5	23°51	18°27	29°49	19°36	16°20	22°14	15°17	0°51	5°11	6° 2	23°12	n.a.	F 11
S 12	3 2 35	15° 6'24	1♎55	25°25	19°43	0♍21	19°42	16°25	22°16	15°18	0°53	5° 8	5°59	23°18	n.a.	S 12
S 13	3 6 32	16° 7'37	15° 6	26°59	20°58	0°53	19°47	16°30	22°19	15°20	0°55	5° 5	5°56	23°25	n.a.	S 13
M14	3 10 28	17° 8'51	28°40	28°33	22°14	1°25	19°52	16°35	22°21	15°21	0°57	5° 2	5°53	23°32	n.a.	M14
T 15	3 14 25	18°10'05	12♏33	0♐ 7	23°29	1°56	19°57	16°39	22°24	15°23	0°59	5° 0	5°49	23°39	n.a.	T 15
W16	3 18 22	19°11'20	26°44	1°41	24°45	2°28	20° 2	16°44	22°26	15°24	1° 1	4°59	5°46	23°45	n.a.	W16
T 17	3 22 18	20°12'35	11♐ 8	3°15	26° 0	2°59	20° 7	16°48	22°29	15°26	1° 4	4°D59	5°43	23°52	n.a.	T 17
F 18	3 26 15	21°13'51	25°38	4°48	27°16	3°30	20°11	16°53	22°31	15°27	1° 6	5° 0	5°40	23°59	n.a.	F 18
S 19	3 30 11	22°15'07	10♑ 9	6°21	28°31	4° 1	20°16	16°57	22°34	15°29	1° 8	5° 1	5°37	24° 5	n.a.	S 19
S 20	3 34 8	23°16'23	24°37	7°54	29°47	4°32	20°20	17° 1	22°36	15°30	1°10	5° 2	5°33	24°12	n.a.	S 20
M21	3 38 4	24°17'39	8♒58	9°27	1♐ 2	5° 3	20°24	17° 6	22°38	15°32	1°12	5° 3	5°30	24°19	n.a.	M21
T 22	3 42 1	25°18'55	23° 7	10°58	2°18	5°34	20°27	17°10	22°41	15°33	1°14	5°R 3	5°27	24°25	n.a.	T 22
W23	3 45 58	26°20'10	7♓ 5	12°29	3°33	6° 4	20°31	17°14	22°43	15°35	1°16	5° 3	5°24	24°32	n.a.	W23
T 24	3 49 54	27°21'26	20°49	13°59	4°49	6°34	20°34	17°18	22°45	15°37	1°19	5° 2	5°21	24°39	n.a.	T 24
F 25	3 53 51	28°22'41	4♈20	15°27	6° 4	7° 5	20°38	17°21	22°47	15°38	1°21	5° 1	5°18	24°45	n.a.	F 25
S 26	3 57 47	29°23'56	17°37	16°54	7°19	7°35	20°41	17°25	22°49	15°40	1°23	5° 1	5°14	24°52	n.a.	S 26
S 27	4 1 44	0♐25'11	0♉40	18°20	8°35	8° 5	20°44	17°29	22°51	15°42	1°25	5° 0	5°11	24°59	n.a.	S 27
M28	4 5 40	1°26'26	13°30	19°43	9°50	8°34	20°46	17°32	22°53	15°43	1°27	5° 0	5° 8	25° 6	n.a.	M28
T 29	4 9 37	2°27'41	26° 8	21° 4	11° 5	9° 4	20°49	17°36	22°55	15°45	1°29	4°59	5° 5	25°12	n.a.	T 29
W30	4 13 33	3♐28'56	8♊33	22♐21	12♐21	9♍33	20♌51	17♍39	22♍57	15♑47	1♐32	4°D59	5♐ 2	25♋19	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s59	18n49	1n35	15s25	1s 4	13s16	0n24	15n14	1n46	16n31	1n 7	7n53	2n15	3n58	0n43	22s57	0s 4	15s53	4n45	21s26	21s41	18n17		n.a.
W 2	13 20	20 54	0 27	16 1	1 9	13 44	0 22	15 3	1 47	16 29	1 7	7 51	2 16	3 57	0 43	22 57	0 4	15 53	4 45	21 26	21 41	18 15		n.a.
T 3	13 40	21 56	0s41	16 36	1 15	14 11	0 19	14 53	1 48	16 27	1 7	7 49	2 16	3 56	0 43	22 57	0 4	15 54	4 45	21 26	21 40	18 14		n.a.
F 4	14 1	21 53	1 46	17 11	1 20	14 37	0 17	14 42	1 49	16 25	1 8	7 47	2 16	3 55	0 43	22 57	0 4	15 54	4 44	21 26	21 40	18 12		n.a.
S 5	14 21	20 49	2 45	17 44	1 25	15 3	0 15	14 31	1 49	16 24	1 8	7 45	2 16	3 53	0 43	22 57	0 4	15 55	4 44	21 27	21 39	18 10		n.a.
S 6	14 41	18 51	3 37	18 17	1 30	15 29	0 12	14 21	1 50	16 22	1 8	7 43	2 16	3 52	0 43	22 57	0 4	15 56	4 44	21 27	21 38	18 9		n.a.
M 7	15 0	16 5	4 19	18 49	1 35	15 55	0 10	14 10	1 51	16 20	1 8	7 41	2 17	3 51	0 43	22 57	0 4	15 56	4 44	21 27	21 38	18 7		n.a.
T 8	15 20	12 40	4 50	19 20	1 40	16 20	0 8	13 59	1 52	16 18	1 9	7 39	2 17	3 50	0 43	22 56	0 4	15 57	4 44	21 27	21 37	18 5		n.a.
W 9	15 39	8 42	5 9	19 50	1 44	16 44	0 5	13 49	1 52	16 17	1 9	7 37	2 17	3 49	0 43	22 56	0 4	15 57	4 44	21 27	21 37	18 4		n.a.
T 10	15 58	4 20	5 15	20 19	1 48	17 8	0 3	13 38	1 53	16 15	1 9	7 36	2 17	3 48	0 43	22 56	0 4	15 58	4 43	21 27	21 36	18 2		n.a.
F 11	16 16	0s19	5 6	20 47	1 52	17 32	0 1	13 27	1 54	16 14	1 10	7 34	2 17	3 47	0 43	22 56	0 4	15 58	4 43	21 27	21 36	18 0		n.a.
S 12	16 35	5 4	4 42	21 14	1 56	17 55	0s 2	13 16	1 55	16 12	1 10	7 32	2 18	3 46	0 43	22 56	0 4	15 59	4 43	21 26	21 35	17 59		n.a.
S 13	16 53	9 44	4 2	21 40	1 59	18 18	0 4	13 6	1 55	16 11	1 10	7 30	2 18	3 45	0 43	22 56	0 4	16 0	4 43	21 25	21 35	17 57		n.a.
M14	17 10	14 3	3 8	22 5	2 2	18 40	0 7	12 55	1 56	16 9	1 10	7 29	2 18	3 44	0 43	22 56	0 4	16 0	4 43	21 25	21 34	17 55		n.a.
T 15	17 28	17 43	2 1	22 28	2 5	19 2	0 9	12 44	1 57	16 8	1 11	7 27	2 18	3 43	0 43	22 55	0 4	16 1	4 43	21 25	21 33	17 53		n.a.
W16	17 45	20 25	0 46	22 51	2 7	19 23	0 11	12 33	1 58	16 7	1 11	7 26	2 19	3 42	0 43	22 55	0 4	16 1	4 43	21 24	21 33	17 52		n.a.
T 17	18 2	21 50	0n34	23 11	2 9	19 44	0 14	12 23	1 58	16 6	1 11	7 24	2 19	3 41	0 43	22 55	0 4	16 2	4 43	21 24	21 32	17 50		n.a.
F 18	18 18	21 49	1 52	23 31	2 11	20 4	0 16	12 12	1 59	16 4	1 12	7 22	2 19	3 40	0 43	22 55	0 4	16 2	4 42	21 24	21 32	17 48		n.a.
S 19	18 34	20 19	3 3	23 49	2 12	20 23	0 18	12 1	2 0	16 3	1 12	7 21	2 19	3 39	0 43	22 55	0 4	16 3	4 42	21 25	21 31	17 46		n.a.
S 20	18 50	17 31	4 2	24 5	2 12	20 42	0 21	11 50	2 1	16 2	1 12	7 20	2 20	3 38	0 43	22 55	0 4	16 3	4 42	21 25	21 31	17 45		n.a.
M21	19 5	13 40	4 45	24 20	2 12	21 1	0 23	11 40	2 2	16 1	1 12	7 18	2 20	3 37	0 43	22 54	0 5	16 4	4 42	21 25	21 30	17 43		n.a.
T 22	19 20	9 6	5 10	24 33	2 12	21 18	0 25	11 29	2 2	16 0	1 13	7 17	2 20	3 36	0 43	22 54	0 5	16 4	4 42	21 25	21 29	17 41		n.a.
W23	19 35	4 7	5 17	24 45	2 11	21 35	0 28	11 18	2 3	15 59	1 13	7 15	2 20	3 35	0 43	22 54	0 5	16 5	4 42	21 25	21 29	17 40		n.a.
T 24	19 49	0n59	5 5	24 55	2 9	21 52	0 30	11 8	2 4	15 59	1 13	7 14	2 21	3 35	0 43	22 54	0 5	16 6	4 42	21 25	21 28	17 38		n.a.
F 25	20 3	5 58	4 37	25 3	2 7	22 8	0 32	10 57	2 5	15 58	1 14	7 13	2 21	3 34	0 43	22 54	0 5	16 6	4 42	21 25	21 28	17 36		n.a.
S 26	20 17	10 35	3 54	25 9	2 4	22 23	0 35	10 46	2 6	15 57	1 14	7 12	2 21	3 33	0 43	22 54	0 5	16 7	4 42	21 25	21 27	17 34		n.a.
S 27	20 30	14 39	2 59	25 14	2 0	22 37	0 37	10 36	2 6	15 56	1 14	7 10	2 21	3 32	0 44	22 53	0 5	16 7	4 41	21 25	21 27	17 33		n.a.
M28	20 43	17 57	1 57	25 16	1 56	22 51	0 39	10 25	2 7	15 56	1 14	7 9	2 22	3 31	0 44	22 53	0 5	16 8	4 41	21 24	21 26	17 31		n.a.
T 29	20 55	20 20	0 49	25 17	1 50	23 5	0 41	10 15	2 8	15 55	1 15	7 8	2 22	3 31	0 44	22 53	0 5	16 8	4 41	21 24	21 25	17 29		n.a.
W30	21s 7	21n41	0s20	25s15	1s44	23s17	0s43	10n 4	2n 9	15n55	1n15	7n 7	2n22	3n30	0n44	22s53	0s 5	16s 9	4n41	21s24	21s25	17n27		n.a.

Julian Day Number = 1551886.5, Delta T = 04h30m16s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'59, Lahiri = -10°21'58 Julian Calendar 1 Nov. 465 BCE == Greg. Calendar 27 Oct. 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 465 BCE
geocentric

DECEMBER 465 BCE (-464) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 17 30	4♐30'11	20♊47	23♐35	13♐36	10♍ 3	20♌53	17♍42	22♍59	15♑49	1♐34	4°R59	4♐59	25♋26	n.a.	T 1
F 2	4 21 27	5°31'26	2♋51	24°45	14°51	10°32	20°55	17°46	23° 0	15°50	1°36	4♐59	4°55	25°32	n.a.	F 2
S 3	4 25 23	6°32'41	14°48	25°51	16° 7	11° 1	20°57	17°49	23° 2	15°52	1°38	4°59	4°52	25°39	n.a.	S 3
S 4	4 29 20	7°33'55	26°39	26°50	17°22	11°30	20°58	17°52	23° 4	15°54	1°40	4°59	4°49	25°46	n.a.	S 4
M 5	4 33 16	8°35'10	8♌29	27°43	18°37	11°58	21° 0	17°55	23° 5	15°56	1°42	4°59	4°46	25°52	n.a.	M 5
T 6	4 37 13	9°36'24	20°22	28°29	19°53	12°27	21° 1	17°57	23° 7	15°58	1°45	4°58	4°43	25°59	n.a.	T 6
W 7	4 41 9	10°37'39	2♍20	29° 7	21° 8	12°55	21° 2	18° 0	23° 8	16° 0	1°47	4°58	4°39	26° 6	n.a.	W 7
T 8	4 45 6	11°38'53	14°30	29°36	22°23	13°23	21° 3	18° 3	23°10	16° 2	1°49	4°D58	4°36	26°12	n.a.	T 8
F 9	4 49 3	12°40'07	26°56	29°55	23°39	13°51	21° 3	18° 5	23°11	16° 4	1°51	4°58	4°33	26°19	n.a.	F 9
S 10	4 52 59	13°41'21	9♎41	0°R 3	24°54	14°19	21° 4	18° 8	23°13	16° 6	1°53	4°59	4°30	26°26	n.a.	S 10
S 11	4 56 56	14°42'34	22°50	0♑ 0	26° 9	14°46	21° 4	18°10	23°14	16° 8	1°55	5° 0	4°27	26°33	n.a.	S 11
M12	5 0 52	15°43'48	6♏24	29♐46	27°24	15°13	21°R 4	18°12	23°15	16°10	1°57	5° 1	4°24	26°39	n.a.	M12
T 13	5 4 49	16°45'01	20°24	29°19	28°40	15°40	21° 4	18°14	23°16	16°12	1°59	5° 1	4°20	26°46	n.a.	T 13
W14	5 8 45	17°46'13	4♐49	28°41	29°55	16° 7	21° 4	18°17	23°17	16°14	2° 2	5°R 2	4°17	26°53	n.a.	W14
T 15	5 12 42	18°47'25	19°32	27°53	1♑10	16°34	21° 3	18°18	23°19	16°16	2° 4	5° 1	4°14	26°59	n.a.	T 15
F 16	5 16 38	19°48'37	4♑28	26°54	2°25	17° 0	21° 2	18°20	23°20	16°18	2° 6	5° 0	4°11	27° 6	n.a.	F 16
S 17	5 20 35	20°49'47	19°28	25°48	3°40	17°26	21° 1	18°22	23°20	16°20	2° 8	4°58	4° 8	27°13	n.a.	S 17
S 18	5 24 32	21°50'57	4♒24	24°36	4°55	17°52	21° 0	18°24	23°21	16°22	2°10	4°56	4° 5	27°19	n.a.	S 18
M19	5 28 28	22°52'05	19° 6	23°20	6°11	18°18	20°59	18°25	23°22	16°24	2°12	4°54	4° 1	27°26	n.a.	M19
T 20	5 32 25	23°53'13	3♓31	22° 3	7°26	18°43	20°57	18°27	23°23	16°26	2°14	4°52	3°58	27°33	n.a.	T 20
W21	5 36 21	24°54'19	17°35	20°46	8°41	19° 9	20°56	18°28	23°24	16°29	2°16	4°51	3°55	27°40	n.a.	W21
T 22	5 40 18	25°55'23	1♈16	19°33	9°56	19°34	20°54	18°29	23°24	16°31	2°18	4°D51	3°52	27°46	n.a.	T 22
F 23	5 44 14	26°56'27	14°36	18°25	11°11	19°58	20°52	18°30	23°25	16°33	2°20	4°52	3°49	27°53	n.a.	F 23
S 24	5 48 11	27°57'29	27°37	17°23	12°26	20°23	20°49	18°31	23°26	16°35	2°22	4°53	3°45	28° 0	n.a.	S 24
S 25	5 52 7	28°58'31	10♉22	16°29	13°41	20°47	20°47	18°32	23°26	16°37	2°24	4°55	3°42	28° 6	n.a.	S 25
M26	5 56 4	29°59'30	22°52	15°44	14°56	21°11	20°44	18°33	23°27	16°40	2°26	4°56	3°39	28°13	n.a.	M26
T 27	6 0 1	1♑ 0'29	5♊11	15° 7	16°11	21°34	20°42	18°34	23°27	16°42	2°28	4°R57	3°36	28°20	n.a.	T 27
W28	6 3 57	2° 1'26	17°21	14°39	17°26	21°57	20°39	18°34	23°27	16°44	2°30	4°56	3°33	28°26	n.a.	W28
T 29	6 7 54	3° 2'23	29°23	14°20	18°41	22°20	20°35	18°35	23°28	16°46	2°32	4°54	3°30	28°33	n.a.	T 29
F 30	6 11 50	4° 3'18	11♋21	14° 9	19°56	22°43	20°32	18°35	23°28	16°48	2°34	4°50	3°26	28°40	n.a.	F 30
S 31	6 15 47	5♑ 4'11	23♋14	14°D 6	21♑11	23♍ 5	20♌28	18♍35	23♍28	16♑51	2♐36	4♐45	3♐23	28♋47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s19	21n59	1s27	25s12	1s36	23s29	0s45	9n54	2n10	15n54	1n15	7n 6	2n22	3n29	0n44	22s53	0s 5	16s 9	4n41	21s24	21s24	17n26			n.a.
F 2	21 30	21 14	2 29	25 7	1 28	23 40	0 47	9 43	2 10	15 54	1 16	7 5	2 23	3 29	0 44	22 52	0 5	16 10	4 41	21 24	21 24	17 24			n.a.
S 3	21 41	19 33	3 24	25 0	1 19	23 50	0 50	9 33	2 11	15 54	1 16	7 4	2 23	3 28	0 44	22 52	0 5	16 10	4 41	21 24	21 23	17 22			n.a.
S 4	21 51	17 1	4 9	24 51	1 8	24 0	0 52	9 23	2 12	15 54	1 16	7 3	2 23	3 27	0 44	22 52	0 5	16 11	4 41	21 24	21 22	17 20			n.a.
M 5	22 1	13 48	4 44	24 40	0 56	24 9	0 54	9 12	2 13	15 53	1 17	7 2	2 23	3 27	0 44	22 52	0 5	16 11	4 41	21 24	21 22	17 18			n.a.
T 6	22 11	10 2	5 7	24 28	0 43	24 17	0 56	9 2	2 14	15 53	1 17	7 1	2 24	3 26	0 44	22 52	0 5	16 12	4 41	21 24	21 21	17 17			n.a.
W 7	22 20	5 51	5 17	24 14	0 29	24 24	0 57	8 52	2 15	15 53	1 17	7 0	2 24	3 26	0 44	22 51	0 5	16 12	4 41	21 24	21 21	17 15			n.a.
T 8	22 28	1 22	5 13	23 59	0 14	24 31	0 59	8 42	2 16	15 53	1 18	7 0	2 24	3 25	0 44	22 51	0 5	16 13	4 40	21 24	21 20	17 13			n.a.
F 9	22 37	3s15	4 55	23 42	0n 3	24 37	1 1	8 32	2 16	15 53	1 18	6 59	2 25	3 25	0 44	22 51	0 5	16 13	4 40	21 24	21 20	17 11			n.a.
S 10	22 44	7 52	4 21	23 25	0 20	24 42	1 3	8 22	2 17	15 54	1 18	6 58	2 25	3 24	0 44	22 51	0 5	16 14	4 40	21 24	21 19	17 10			n.a.
S 11	22 52	12 17	3 33	23 7	0 38	24 46	1 5	8 12	2 18	15 54	1 18	6 57	2 25	3 24	0 44	22 50	0 5	16 14	4 40	21 24	21 18	17 8			n.a.
M12	22 58	16 13	2 32	22 48	0 57	24 50	1 6	8 2	2 19	15 54	1 19	6 57	2 25	3 23	0 44	22 50	0 5	16 15	4 40	21 25	21 18	17 6			n.a.
T 13	23 5	19 22	1 20	22 28	1 17	24 53	1 8	7 52	2 20	15 54	1 19	6 56	2 26	3 23	0 44	22 50	0 5	16 15	4 40	21 25	21 17	17 4			n.a.
W14	23 11	21 24	0 1	22 9	1 36	24 55	1 10	7 42	2 21	15 55	1 19	6 56	2 26	3 22	0 44	22 50	0 5	16 16	4 40	21 25	21 17	17 2			n.a.
T 15	23 16	22 1	1n20	21 49	1 55	24 56	1 11	7 32	2 22	15 55	1 20	6 55	2 26	3 22	0 44	22 49	0 5	16 16	4 40	21 25	21 16	17 1			n.a.
F 16	23 21	21 5	2 36	21 30	2 13	24 56	1 13	7 23	2 23	15 56	1 20	6 55	2 26	3 21	0 44	22 49	0 5	16 17	4 40	21 25	21 15	16 59			n.a.
S 17	23 26	18 39	3 42	21 11	2 30	24 56	1 14	7 13	2 24	15 56	1 20	6 54	2 27	3 21	0 44	22 49	0 5	16 17	4 40	21 24	21 15	16 57			n.a.
S 18	23 30	15 0	4 32	20 52	2 46	24 55	1 16	7 4	2 25	15 57	1 21	6 54	2 27	3 21	0 44	22 49	0 5	16 18	4 40	21 24	21 14	16 55			n.a.
M19	23 33	10 29	5 4	20 35	3 0	24 53	1 17	6 55	2 25	15 58	1 21	6 53	2 27	3 21	0 44	22 48	0 5	16 18	4 40	21 23	21 14	16 53			n.a.
T 20	23 36	5 27	5 16	20 20	3 11	24 51	1 18	6 45	2 26	15 59	1 21	6 53	2 28	3 20	0 44	22 48	0 5	16 18	4 40	21 23	21 13	16 52			n.a.
W21	23 39	0 15	5 8	20 6	3 20	24 47	1 20	6 36	2 27	15 59	1 22	6 53	2 28	3 20	0 44	22 48	0 5	16 19	4 40	21 23	21 12	16 50			n.a.
T 22	23 41	4n50	4 43	19 54	3 27	24 43	1 21	6 27	2 28	16 0	1 22	6 53	2 28	3 20	0 44	22 48	0 5	16 19	4 40	21 23	21 12	16 48			n.a.
F 23	23 43	9 33	4 3	19 44	3 31	24 38	1 22	6 18	2 29	16 1	1 22	6 53	2 28	3 20	0 44	22 47	0 5	16 20	4 40	21 23	21 11	16 46			n.a.
S 24	23 44	13 44	3 11	19 36	3 33	24 32	1 23	6 9	2 30	16 2	1 22	6 52	2 29	3 19	0 45	22 47	0 5	16 20	4 40	21 23	21 11	16 44			n.a.
S 25	23 45	17 12	2 11	19 32	3 33	24 26	1 24	6 1	2 31	16 3	1 23	6 52	2 29	3 19	0 45	22 47	0 5	16 21	4 40	21 24	21 10	16 42			n.a.
M26	23 45	19 48	1 6	19 29	3 31	24 19	1 25	5 52	2 32	16 5	1 23	6 52	2 29	3 19	0 45	22 47	0 5	16 21	4 40	21 24	21 9	16 41			n.a.
T 27	23 45	21 25	0s 1	19 29	3 27	24 11	1 26	5 43	2 33	16 6	1 23	6 52	2 30	3 19	0 45	22 46	0 5	16 21	4 39	21 24	21 9	16 39			n.a.
W28	23 44	22 1	1 8	19 31	3 21	24 2	1 27	5 35	2 34	16 7	1 24	6 52	2 30	3 19	0 45	22 46	0 5	16 22	4 39	21 24	21 8	16 37			n.a.
T 29	23 43	21 35	2 10	19 36	3 15	23 52	1 28	5 27	2 35	16 8	1 24	6 52	2 30	3 19	0 45	22 46	0 5	16 22	4 39	21 23	21 8	16 35			n.a.
F 30	23 41	20 10	3 6	19 42	3 7	23 42	1 28	5 18	2 36	16 10	1 24	6 52	2 30	3 19	0 45	22 46	0 5	16 23	4 39	21 23	21 7	16 33			n.a.
S 31	23s39	17n53	3s54	19s50	2n59	23s31	1s29	5n10	2n37	16n11	1n24	6n53	2n31	3n19	0n45	22s45	0s 5	16s23	4n39	21s22	21s 6	16n31			n.a.

Julian Day Number = 1551916.5, Delta T = 04h30m14s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'55, Lahiri = -10°21'54 Julian Calendar 1 Dec. 465 BCE == Greg. Calendar 26 Nov. 465 BCE

The year -464 astronomical counting style corresponds to year 465 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

JANUARY 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 19 43	6♑ 5'04	5♌ 5	14♐11	22♑26	23♍28	20°R25	18♍35	23♍28	16♑53	2♐38	4°R40	3♐20	28♋53	n.a.	S 1
M 2	6 23 40	7° 5'55	16°56	14°23	23°41	23°49	20♌21	18°R36	23°28	16°55	2°39	4♐33	3°17	29° 0	n.a.	M 2
T 3	6 27 37	8° 6'45	28°50	14°41	24°56	24°11	20°17	18°35	23°R28	16°57	2°41	4°28	3°14	29° 7	n.a.	T 3
W 4	6 31 33	9° 7'34	10♍49	15° 6	26°10	24°32	20°12	18°35	23°28	17° 0	2°43	4°23	3°11	29°13	n.a.	W 4
T 5	6 35 30	10° 8'22	22°57	15°36	27°25	24°52	20° 8	18°35	23°28	17° 2	2°45	4°20	3° 7	29°20	n.a.	T 5
F 6	6 39 26	11° 9'09	5♎19	16°11	28°40	25°13	20° 3	18°35	23°28	17° 4	2°47	4°18	3° 4	29°27	n.a.	F 6
S 7	6 43 23	12° 9'54	17°57	16°51	29°55	25°33	19°59	18°34	23°28	17° 6	2°48	4°D18	3° 1	29°33	n.a.	S 7
S 8	6 47 19	13°10'39	0♏58	17°35	1♒ 9	25°52	19°54	18°34	23°27	17° 9	2°50	4°19	2°58	29°40	n.a.	S 8
M 9	6 51 16	14°11'22	14°24	18°23	2°24	26°12	19°49	18°33	23°27	17°11	2°52	4°21	2°55	29°47	n.a.	M 9
T 10	6 55 12	15°12'04	28°17	19°14	3°39	26°31	19°44	18°32	23°27	17°13	2°54	4°R22	2°51	29°54	n.a.	T 10
W11	6 59 9	16°12'44	12♐39	20° 9	4°54	26°49	19°38	18°31	23°26	17°16	2°55	4°22	2°48	0♌ 0	n.a.	W11
T 12	7 3 6	17°13'24	27°26	21° 7	6° 8	27° 7	19°33	18°30	23°26	17°18	2°57	4°20	2°45	0° 7	n.a.	T 12
F 13	7 7 2	18°14'01	12♑32	22° 8	7°23	27°25	19°27	18°29	23°25	17°20	2°59	4°16	2°42	0°14	n.a.	F 13
S 14	7 10 59	19°14'38	27°48	23°11	8°38	27°42	19°21	18°28	23°25	17°22	3° 0	4°10	2°39	0°20	n.a.	S 14
S 15	7 14 55	20°15'12	13♒ 4	24°16	9°52	27°59	19°15	18°27	23°24	17°25	3° 2	4° 2	2°36	0°27	n.a.	S 15
M16	7 18 52	21°15'44	28° 8	25°24	11° 7	28°15	19° 9	18°25	23°23	17°27	3° 4	3°55	2°32	0°34	n.a.	M16
T 17	7 22 48	22°16'15	12♓52	26°33	12°21	28°31	19° 3	18°24	23°23	17°29	3° 5	3°49	2°29	0°40	n.a.	T 17
W18	7 26 45	23°16'43	27°10	27°45	13°36	28°46	18°57	18°22	23°22	17°31	3° 7	3°44	2°26	0°47	n.a.	W18
T 19	7 30 41	24°17'10	11♈ 0	28°59	14°50	29° 1	18°50	18°21	23°21	17°34	3° 8	3°41	2°23	0°54	n.a.	T 19
F 20	7 34 38	25°17'34	24°23	0♑14	16° 5	29°15	18°44	18°19	23°20	17°36	3°10	3°D40	2°20	1° 1	n.a.	F 20
S 21	7 38 35	26°17'57	7♉20	1°30	17°19	29°29	18°37	18°17	23°19	17°38	3°11	3°40	2°16	1° 7	n.a.	S 21
S 22	7 42 31	27°18'17	19°57	2°49	18°33	29°43	18°30	18°15	23°18	17°40	3°13	3°41	2°13	1°14	n.a.	S 22
M23	7 46 28	28°18'35	2♊17	4° 9	19°48	29°56	18°23	18°13	23°17	17°43	3°14	3°R42	2°10	1°21	n.a.	M23
T 24	7 50 24	29°18'51	14°24	5°30	21° 2	0♎ 8	18°16	18°11	23°16	17°45	3°15	3°41	2° 7	1°27	n.a.	T 24
W25	7 54 21	0♒19'05	26°24	6°52	22°16	0°20	18° 9	18° 9	23°15	17°47	3°17	3°39	2° 4	1°34	n.a.	W25
T 26	7 58 17	1°19'17	8♋18	8°16	23°31	0°31	18° 2	18° 6	23°14	17°49	3°18	3°33	2° 1	1°41	n.a.	T 26
F 27	8 2 14	2°19'27	20° 9	9°41	24°45	0°42	17°55	18° 4	23°12	17°52	3°20	3°25	1°57	1°47	n.a.	F 27
S 28	8 6 10	3°19'35	2♌ 0	11° 7	25°59	0°52	17°48	18° 1	23°11	17°54	3°21	3°15	1°54	1°54	n.a.	S 28
S 29	8 10 7	4°19'41	13°53	12°35	27°13	1° 2	17°40	17°59	23°10	17°56	3°22	3° 3	1°51	2° 1	n.a.	S 29
M30	8 14 4	5°19'45	25°47	14° 4	28°27	1°11	17°33	17°56	23° 8	17°58	3°23	2°51	1°48	2° 8	n.a.	M30
T 31	8 18 0	6♒19'47	7♍46	15♑34	29♒41	1♎19	17♌25	17♍53	23♍ 7	18♑ 0	3♐25	2♐39	1♐45	2♌14	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23s36	14n51	4s31	20s 0	2n50	23s20	1s30	5n 2	2n38	16n13	1n25	6n53	2n31	3n19	0n45	22s45	0s 5	16s23	4n39	21s21	21s 6	16n30			n.a.
M 2	23 33	11 15	4 57	20 11	2 40	23 7	1 30	4 54	2 39	16 14	1 25	6 53	2 31	3 19	0 45	22 45	0 5	16 24	4 39	21 20	21 5	16 28			n.a.
T 3	23 30	7 11	5 10	20 23	2 30	22 54	1 31	4 47	2 40	16 16	1 25	6 53	2 32	3 19	0 45	22 44	0 5	16 24	4 39	21 19	21 4	16 26			n.a.
W 4	23 26	2 50	5 10	20 36	2 20	22 41	1 31	4 39	2 41	16 17	1 26	6 54	2 32	3 19	0 45	22 44	0 5	16 24	4 39	21 18	21 4	16 24			n.a.
T 5	23 21	1s41	4 55	20 49	2 9	22 26	1 31	4 32	2 42	16 19	1 26	6 54	2 32	3 19	0 45	22 44	0 5	16 25	4 39	21 17	21 3	16 22			n.a.
F 6	23 17	6 13	4 27	21 3	1 59	22 11	1 32	4 25	2 43	16 21	1 26	6 54	2 32	3 19	0 45	22 44	0 5	16 25	4 39	21 17	21 3	16 20			n.a.
S 7	23 11	10 36	3 46	21 18	1 48	21 56	1 32	4 17	2 44	16 22	1 26	6 55	2 33	3 19	0 45	22 43	0 5	16 26	4 39	21 17	21 2	16 18			n.a.
S 8	23 5	14 38	2 52	21 33	1 37	21 39	1 32	4 10	2 45	16 24	1 27	6 55	2 33	3 19	0 45	22 43	0 5	16 26	4 39	21 17	21 1	16 17			n.a.
M 9	22 59	18 3	1 46	21 48	1 27	21 22	1 32	4 4	2 46	16 26	1 27	6 56	2 33	3 19	0 45	22 43	0 5	16 26	4 39	21 17	21 1	16 15			n.a.
T 10	22 52	20 34	0 33	22 2	1 16	21 5	1 32	3 57	2 47	16 28	1 27	6 56	2 34	3 19	0 45	22 43	0 5	16 27	4 39	21 17	21 0	16 13			n.a.
W11	22 45	21 52	0n45	22 17	1 6	20 46	1 32	3 50	2 48	16 30	1 27	6 57	2 34	3 20	0 45	22 42	0 5	16 27	4 39	21 17	20 59	16 11			n.a.
T 12	22 37	21 42	2 2	22 31	0 56	20 28	1 32	3 44	2 49	16 32	1 28	6 58	2 34	3 20	0 45	22 42	0 5	16 27	4 39	21 17	20 59	16 9			n.a.
F 13	22 29	19 58	3 12	22 45	0 46	20 8	1 32	3 38	2 50	16 34	1 28	6 58	2 34	3 20	0 45	22 42	0 5	16 28	4 39	21 16	20 58	16 7			n.a.
S 14	22 21	16 49	4 9	22 59	0 36	19 48	1 31	3 32	2 51	16 36	1 28	6 59	2 35	3 20	0 45	22 41	0 5	16 28	4 39	21 15	20 58	16 5			n.a.
S 15	22 12	12 31	4 48	23 11	0 26	19 28	1 31	3 26	2 52	16 38	1 28	7 0	2 35	3 21	0 45	22 41	0 5	16 28	4 39	21 14	20 57	16 3			n.a.
M16	22 3	7 29	5 6	23 24	0 17	19 7	1 31	3 20	2 53	16 40	1 29	7 1	2 35	3 21	0 45	22 41	0 5	16 28	4 39	21 12	20 56	16 2			n.a.
T 17	21 53	2 8	5 4	23 35	0 7	18 45	1 30	3 15	2 54	16 42	1 29	7 1	2 36	3 21	0 45	22 41	0 5	16 29	4 39	21 11	20 56	16 0			n.a.
W18	21 43	3n11	4 43	23 45	0s 2	18 23	1 29	3 10	2 55	16 45	1 29	7 2	2 36	3 22	0 45	22 40	0 5	16 29	4 39	21 10	20 55	15 58			n.a.
T 19	21 32	8 10	4 5	23 55	0 10	18 1	1 29	3 5	2 56	16 47	1 29	7 3	2 36	3 22	0 45	22 40	0 5	16 29	4 39	21 10	20 54	15 56			n.a.
F 20	21 21	12 35	3 16	24 4	0 19	17 37	1 28	3 0	2 57	16 49	1 29	7 4	2 36	3 22	0 46	22 40	0 5	16 30	4 39	21 9	20 54	15 54			n.a.
S 21	21 10	16 18	2 17	24 12	0 27	17 14	1 27	2 55	2 58	16 51	1 30	7 5	2 37	3 23	0 46	22 39	0 5	16 30	4 39	21 10	20 53	15 52			n.a.
S 22	20 58	19 8	1 13	24 18	0 35	16 50	1 27	2 51	2 59	16 54	1 30	7 6	2 37	3 23	0 46	22 39	0 5	16 30	4 39	21 10	20 53	15 50			n.a.
M23	20 46	21 1	0 8	24 24	0 43	16 25	1 26	2 46	3 0	16 56	1 30	7 7	2 37	3 24	0 46	22 39	0 5	16 30	4 39	21 10	20 52	15 48			n.a.
T 24	20 34	21 53	0s57	24 28	0 50	16 0	1 25	2 42	3 1	16 59	1 30	7 8	2 37	3 24	0 46	22 39	0 5	16 31	4 39	21 10	20 51	15 46			n.a.
W25	20 21	21 43	1 59	24 31	0 57	15 35	1 24	2 38	3 2	17 1	1 30	7 9	2 38	3 25	0 46	22 38	0 5	16 31	4 39	21 9	20 51	15 45			n.a.
T 26	20 7	20 35	2 54	24 33	1 4	15 9	1 23	2 35	3 3	17 3	1 30	7 11	2 38	3 25	0 46	22 38	0 5	16 31	4 39	21 8	20 50	15 43			n.a.
F 27	19 54	18 34	3 42	24 34	1 11	14 43	1 21	2 31	3 4	17 6	1 31	7 12	2 38	3 26	0 46	22 38	0 5	16 31	4 40	21 7	20 49	15 41			n.a.
S 28	19 40	15 45	4 20	24 33	1 17	14 17	1 20	2 28	3 5	17 8	1 31	7 13	2 38	3 26	0 46	22 37	0 5	16 31	4 40	21 5	20 49	15 39			n.a.
S 29	19 26	12 18	4 46	24 31	1 23	13 50	1 19	2 25	3 6	17 11	1 31	7 14	2 39	3 27	0 46	22 37	0 5	16 32	4 40	21 2	20 48	15 37			n.a.
M30	19 11	8 23	5 1	24 28	1 28	13 22	1 17	2 22	3 6	17 13	1 31	7 16	2 39	3 28	0 46	22 37	0 5	16 32	4 40	21 0	20 47	15 35			n.a.
T 31	18s56	4n 6	5s 2	24s23	1s34	12s55	1s16	2n20	3n 7	17n16	1n31	7n17	2n39	3n28	0n46	22s37	0s 5	16s32	4n40	20s58	20s47	15n33			n.a.

Julian Day Number = 1551947.5, Delta T = 04h30m13s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'51, Lahiri = -10°21'50 Julian Calendar 1 Jan. 464 BCE == Greg. Calendar 27 Dec. 465 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

FEBRUARY 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 21 57	7♒19'47	19♍50	17♉ 5	0♓55	1♎27	17°R18	17°R50	23°R 5	18♉ 3	3♐26	2°R29	1♐42	2♌21	n.a.	W 1
T 2	8 25 53	8°19'45	2♎ 2	18°37	2° 9	1°34	17♌10	17♍48	23♍ 4	18° 5	3°27	2♐21	1°38	2°28	n.a.	T 2
F 3	8 29 50	9°19'42	14°25	20°10	3°23	1°41	17° 3	17°44	23° 2	18° 7	3°28	2°15	1°35	2°34	n.a.	F 3
S 4	8 33 46	10°19'36	27° 3	21°45	4°37	1°47	16°55	17°41	23° 1	18° 9	3°29	2°12	1°32	2°41	n.a.	S 4
S 5	8 37 43	11°19'29	9♏58	23°21	5°51	1°52	16°47	17°38	22°59	18°11	3°30	2°D11	1°29	2°48	n.a.	S 5
M 6	8 41 39	12°19'21	23°15	24°58	7° 5	1°56	16°39	17°35	22°57	18°13	3°31	2°12	1°26	2°55	n.a.	M 6
T 7	8 45 36	13°19'10	6♐57	26°36	8°18	2° 0	16°32	17°32	22°55	18°16	3°32	2°R12	1°22	3° 1	n.a.	T 7
W 8	8 49 32	14°18'58	21° 6	28°15	9°32	2° 3	16°24	17°28	22°54	18°18	3°33	2°10	1°19	3° 8	n.a.	W 8
T 9	8 53 29	15°18'44	5♑41	29°55	10°46	2° 6	16°16	17°25	22°52	18°20	3°34	2° 7	1°16	3°15	n.a.	T 9
F 10	8 57 26	16°18'28	20°39	1♒37	11°59	2° 8	16° 8	17°21	22°50	18°22	3°35	2° 1	1°13	3°21	n.a.	F 10
S 11	9 1 22	17°18'10	5♒52	3°20	13°13	2° 9	16° 0	17°18	22°48	18°24	3°36	1°52	1°10	3°28	n.a.	S 11
S 12	9 5 19	18°17'50	21°11	5° 3	14°27	2°R 9	15°53	17°14	22°46	18°26	3°37	1°41	1° 7	3°35	n.a.	S 12
M13	9 9 15	19°17'27	6♓23	6°49	15°40	2° 8	15°45	17°10	22°44	18°28	3°38	1°30	1° 3	3°41	n.a.	M13
T 14	9 13 12	20°17'03	21°17	8°35	16°54	2° 7	15°37	17° 7	22°42	18°30	3°39	1°20	1° 0	3°48	n.a.	T 14
W15	9 17 8	21°16'36	5♈47	10°23	18° 7	2° 5	15°29	17° 3	22°40	18°32	3°39	1°11	0°57	3°55	n.a.	W15
T 16	9 21 5	22°16'07	19°48	12°12	19°20	2° 2	15°22	16°59	22°38	18°34	3°40	1° 5	0°54	4° 2	n.a.	T 16
F 17	9 25 1	23°15'35	3♉18	14° 2	20°34	1°59	15°14	16°55	22°36	18°36	3°41	1° 2	0°51	4° 8	n.a.	F 17
S 18	9 28 58	24°15'01	16°20	15°53	21°47	1°55	15° 6	16°51	22°34	18°38	3°42	1° 1	0°48	4°15	n.a.	S 18
S 19	9 32 55	25°14'25	28°58	17°46	23° 0	1°50	14°59	16°47	22°32	18°40	3°42	1° 1	0°44	4°22	n.a.	S 19
M20	9 36 51	26°13'46	11♊17	19°40	24°13	1°44	14°51	16°43	22°30	18°42	3°43	1° 1	0°41	4°28	n.a.	M20
T 21	9 40 48	27°13'04	23°22	21°35	25°27	1°37	14°44	16°39	22°27	18°44	3°43	0°59	0°38	4°35	n.a.	T 21
W22	9 44 44	28°12'21	5♋17	23°31	26°40	1°30	14°36	16°34	22°25	18°45	3°44	0°55	0°35	4°42	n.a.	W22
T 23	9 48 41	29°11'35	17° 8	25°29	27°53	1°22	14°29	16°30	22°23	18°47	3°45	0°49	0°32	4°49	n.a.	T 23
F 24	9 52 37	0♓10'46	28°57	27°28	29° 6	1°13	14°21	16°26	22°21	18°49	3°45	0°40	0°28	4°55	n.a.	F 24
S 25	9 56 34	1° 9'56	10♌49	29°28	0♈18	1° 4	14°14	16°22	22°18	18°51	3°46	0°28	0°25	5° 2	n.a.	S 25
S 26	10 0 30	2° 9'03	22°44	1♓29	1°31	0°53	14° 7	16°17	22°16	18°53	3°46	0°14	0°22	5° 9	n.a.	S 26
M27	10 4 27	3° 8'07	4♍45	3°31	2°44	0°42	14° 0	16°13	22°14	18°54	3°46	29♏59	0°19	5°15	n.a.	M27
T 28	10 8 23	4♓ 7'10	16♍52	5♓33	3♈57	0♎30	13♌53	16♍ 9	22♍11	18♉56	3♐47	29♏46	0♐16	5♌22	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	18s41	0s21	4s49	24s16	1s39	12s27	1s15	2n17	3n 8	17n18	1n31	7n18	2n39	3n29	0n46	22s36	0s 5	16s32	4n40	20s56	20s46	15n31		n.a.	W 1
T 2	18 25	4 51	4 24	24 8	1 43	11 59	1 13	2 15	3 9	17 20	1 32	7 20	2 39	3 29	0 46	22 36	0 5	16 32	4 40	20 54	20 45	15 29		n.a.	T 2
F 3	18 9	9 13	3 45	23 59	1 47	11 30	1 11	2 13	3 10	17 23	1 32	7 21	2 40	3 30	0 46	22 36	0 5	16 33	4 40	20 53	20 45	15 27		n.a.	F 3
S 4	17 53	13 16	2 55	23 48	1 51	11 1	1 10	2 12	3 11	17 25	1 32	7 22	2 40	3 31	0 46	22 35	0 5	16 33	4 40	20 52	20 44	15 25		n.a.	S 4
S 5	17 36	16 49	1 55	23 35	1 54	10 32	1 8	2 11	3 12	17 28	1 32	7 24	2 40	3 31	0 46	22 35	0 5	16 33	4 40	20 52	20 43	15 24		n.a.	S 5
M 6	17 19	19 35	0 47	23 20	1 58	10 3	1 6	2 10	3 13	17 30	1 32	7 25	2 40	3 32	0 46	22 35	0 5	16 33	4 40	20 52	20 43	15 22		n.a.	M 6
T 7	17 2	21 20	0n25	23 4	2 0	9 33	1 4	2 9	3 14	17 33	1 32	7 27	2 40	3 33	0 46	22 35	0 5	16 33	4 40	20 52	20 42	15 20		n.a.	T 7
W 8	16 45	21 48	1 39	22 47	2 2	9 3	1 2	2 8	3 14	17 35	1 32	7 28	2 41	3 34	0 46	22 34	0 5	16 33	4 40	20 52	20 42	15 18		n.a.	W 8
T 9	16 27	20 50	2 48	22 27	2 4	8 33	1 0	2 8	3 15	17 38	1 32	7 30	2 41	3 34	0 46	22 34	0 5	16 34	4 40	20 51	20 41	15 16		n.a.	T 9
F 10	16 9	18 24	3 47	22 6	2 6	8 3	0 58	2 8	3 16	17 40	1 32	7 31	2 41	3 35	0 46	22 34	0 5	16 34	4 40	20 50	20 40	15 14		n.a.	F 10
S 11	15 51	14 40	4 31	21 43	2 7	7 32	0 56	2 8	3 17	17 43	1 32	7 33	2 41	3 36	0 46	22 33	0 5	16 34	4 40	20 48	20 40	15 12		n.a.	S 11
S 12	15 32	9 57	4 56	21 18	2 7	7 2	0 54	2 9	3 17	17 45	1 32	7 35	2 41	3 37	0 46	22 33	0 5	16 34	4 40	20 46	20 39	15 10		n.a.	S 12
M13	15 14	4 39	5 0	20 52	2 7	6 31	0 52	2 10	3 18	17 48	1 33	7 36	2 42	3 37	0 46	22 33	0 5	16 34	4 40	20 44	20 38	15 8		n.a.	M13
T 14	14 55	0n50	4 43	20 23	2 7	6 0	0 49	2 11	3 19	17 50	1 33	7 38	2 42	3 38	0 46	22 33	0 6	16 34	4 40	20 42	20 38	15 6		n.a.	T 14
W15	14 36	6 7	4 8	19 53	2 6	5 29	0 47	2 12	3 19	17 52	1 33	7 40	2 42	3 39	0 46	22 32	0 6	16 34	4 40	20 40	20 37	15 4		n.a.	W15
T 16	14 16	10 55	3 20	19 21	2 5	4 57	0 45	2 14	3 20	17 55	1 33	7 41	2 42	3 40	0 46	22 32	0 6	16 34	4 40	20 39	20 36	15 2		n.a.	T 16
F 17	13 56	14 59	2 21	18 47	2 3	4 26	0 42	2 15	3 20	17 57	1 33	7 43	2 42	3 41	0 46	22 32	0 6	16 34	4 40	20 38	20 36	15 0		n.a.	F 17
S 18	13 37	18 10	1 17	18 12	2 0	3 55	0 40	2 18	3 21	17 59	1 33	7 45	2 42	3 42	0 46	22 32	0 6	16 35	4 40	20 38	20 35	14 58		n.a.	S 18
S 19	13 16	20 22	0 11	17 34	1 58	3 23	0 37	2 20	3 21	18 2	1 33	7 46	2 43	3 43	0 46	22 31	0 6	16 35	4 40	20 38	20 34	14 56		n.a.	S 19
M20	12 56	21 32	0s54	16 55	1 54	2 51	0 35	2 23	3 22	18 4	1 33	7 48	2 43	3 43	0 46	22 31	0 6	16 35	4 40	20 38	20 34	14 54		n.a.	M20
T 21	12 36	21 40	1 55	16 14	1 50	2 20	0 32	2 26	3 22	18 6	1 33	7 50	2 43	3 44	0 46	22 31	0 6	16 35	4 41	20 37	20 33	14 52		n.a.	T 21
W22	12 15	20 48	2 50	15 31	1 46	1 48	0 30	2 29	3 22	18 8	1 33	7 52	2 43	3 45	0 46	22 31	0 6	16 35	4 41	20 37	20 32	14 50		n.a.	W22
T 23	11 54	19 2	3 38	14 46	1 41	1 16	0 27	2 32	3 22	18 11	1 33	7 53	2 43	3 46	0 46	22 30	0 6	16 35	4 41	20 35	20 32	14 48		n.a.	T 23
F 24	11 33	16 28	4 16	14 0	1 35	0 44	0 24	2 36	3 23	18 13	1 33	7 55	2 43	3 47	0 46	22 30	0 6	16 35	4 41	20 33	20 31	14 47		n.a.	F 24
S 25	11 12	13 13	4 42	13 11	1 29	0 12	0 21	2 40	3 23	18 15	1 33	7 57	2 43	3 48	0 46	22 30	0 6	16 35	4 41	20 31	20 30	14 45		n.a.	S 25
S 26	10 51	9 26	4 57	12 22	1 22	0n20	0 19	2 44	3 23	18 17	1 33	7 59	2 43	3 49	0 46	22 30	0 6	16 35	4 41	20 28	20 30	14 43		n.a.	S 26
M27	10 29	5 16	4 58	11 30	1 15	0 52	0 16	2 49	3 23	18 19	1 33	8 1	2 44	3 50	0 46	22 29	0 6	16 35	4 41	20 25	20 29	14 41		n.a.	M27
T 28	10s 8	0n51	4s46	10s38	1s 7	1n24	0s13	2n53	3n23	18n21	1n33	8n 3	2n44	3n51	0n46	22s29	0s 6	16s35	4n41	20s22	20s28	14n39		n.a.	T 28

Julian Day Number = 1551978.5, Delta T = 04h30m12s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'46, Lahiri = -10°21'46 Julian Calendar 1 Feb. 464 BCE == Greg. Calendar 27 Jan. 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

MARCH 464 BCE (-463) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 12 20	5♓ 6'10	29♍ 7	7♓37	5♈ 9	0°R18	13°R46	16°R 4	22°R 9	18♑58	3♐47	29°R34	0♐13	5♌29	n.a.	W 1
T 2	10 16 17	6° 5'09	11♎30	9°40	6°22	0♎ 4	13♌39	16♍ 0	22♍ 6	19° 0	3°47	29♏24	0° 9	5°36	n.a.	T 2
F 3	10 20 13	7° 4'05	24° 3	11°45	7°35	29♍50	13°33	15°55	22° 4	19° 1	3°48	29°17	0° 6	5°42	n.a.	F 3
S 4	10 24 10	8° 3'00	6♏48	13°49	8°47	29°36	13°26	15°51	22° 2	19° 3	3°48	29°13	0° 3	5°49	n.a.	S 4
S 5	10 28 6	9° 1'53	19°47	15°53	9°59	29°20	13°20	15°46	21°59	19° 5	3°48	29°11	29♏59	5°56	n.a.	S 5
M 6	10 32 3	10° 0'44	3♐ 4	17°57	11°12	29° 4	13°13	15°42	21°57	19° 6	3°48	29°11	29°57	6° 2	n.a.	M 6
T 7	10 35 59	10°59'33	16°40	20° 0	12°24	28°48	13° 7	15°37	21°54	19° 8	3°49	29°11	29°54	6° 9	n.a.	T 7
W 8	10 39 56	11°58'20	0♑38	22° 2	13°36	28°30	13° 1	15°33	21°52	19° 9	3°49	29°10	29°50	6°16	n.a.	W 8
T 9	10 43 52	12°57'06	14°58	24° 2	14°48	28°13	12°55	15°28	21°49	19°11	3°49	29° 7	29°47	6°23	n.a.	T 9
F 10	10 47 49	13°55'50	29°38	26° 1	16° 0	27°54	12°49	15°24	21°47	19°12	3°49	29° 1	29°44	6°29	n.a.	F 10
S 11	10 51 46	14°54'32	14♒33	27°57	17°13	27°35	12°44	15°19	21°44	19°14	3°49	28°53	29°41	6°36	n.a.	S 11
S 12	10 55 42	15°53'11	29°35	29°51	18°24	27°16	12°38	15°14	21°41	19°15	3°R49	28°43	29°38	6°43	n.a.	S 12
M13	10 59 39	16°51'49	14♓36	1♈43	19°36	26°56	12°33	15°10	21°39	19°17	3°49	28°32	29°34	6°49	n.a.	M13
T 14	11 3 35	17°50'25	29°25	3°31	20°48	26°35	12°27	15° 5	21°36	19°18	3°49	28°22	29°31	6°56	n.a.	T 14
W15	11 7 32	18°48'59	13♈53	5°16	22° 0	26°15	12°22	15° 1	21°34	19°20	3°49	28°14	29°28	7° 3	n.a.	W15
T 16	11 11 28	19°47'31	27°56	6°57	23°12	25°53	12°17	14°56	21°31	19°21	3°49	28° 8	29°25	7°10	n.a.	T 16
F 17	11 15 25	20°46'00	11♉31	8°34	24°23	25°32	12°12	14°52	21°29	19°22	3°48	28° 5	29°22	7°16	n.a.	F 17
S 18	11 19 21	21°44'27	24°38	10° 7	25°35	25°10	12° 8	14°47	21°26	19°23	3°48	28°D 4	29°19	7°23	n.a.	S 18
S 19	11 23 18	22°42'53	7♊21	11°35	26°46	24°49	12° 3	14°43	21°24	19°25	3°48	28° 4	29°15	7°30	n.a.	S 19
M20	11 27 14	23°41'15	19°43	12°59	27°58	24°26	11°59	14°38	21°21	19°26	3°48	28°R 4	29°12	7°36	n.a.	M20
T 21	11 31 11	24°39'36	1♋50	14°19	29° 9	24° 4	11°55	14°34	21°18	19°27	3°48	28° 4	29° 9	7°43	n.a.	T 21
W22	11 35 8	25°37'54	13°46	15°33	0♌20	23°42	11°51	14°29	21°16	19°28	3°47	28° 2	29° 6	7°50	n.a.	W22
T 23	11 39 4	26°36'11	25°38	16°43	1°31	23°20	11°47	14°25	21°13	19°30	3°47	27°58	29° 3	7°56	n.a.	T 23
F 24	11 43 1	27°34'25	7♌28	17°48	2°42	22°58	11°43	14°20	21°11	19°31	3°47	27°52	28°59	8° 3	n.a.	F 24
S 25	11 46 57	28°32'37	19°22	18°47	3°53	22°35	11°39	14°16	21° 8	19°32	3°46	27°43	28°56	8°10	n.a.	S 25
S 26	11 50 54	29°30'47	1♍22	19°42	5° 4	22°13	11°36	14°12	21° 6	19°33	3°46	27°33	28°53	8°17	n.a.	S 26
M27	11 54 50	0♈28'55	13°30	20°31	6°15	21°51	11°33	14° 7	21° 3	19°34	3°45	27°23	28°50	8°23	n.a.	M27
T 28	11 58 47	1°27'01	25°48	21°15	7°26	21°29	11°30	14° 3	21° 1	19°35	3°45	27°12	28°47	8°30	n.a.	T 28
W29	12 2 43	2°25'05	8♎16	21°53	8°36	21° 8	11°27	13°59	20°58	19°36	3°44	27° 3	28°44	8°37	n.a.	W29
T 30	12 6 40	3°23'07	20°56	22°27	9°47	20°46	11°24	13°55	20°56	19°37	3°44	26°56	28°40	8°43	n.a.	T 30
F 31	12 10 36	4♈21'08	3♏46	22♈54	10♉57	20♍26	11♌22	13♍51	20♍53	19♑38	3♐43	26♏51	28♏37	8♌50	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	9s46	3s38	4s21	9s43	0s58	1n55	0s10	2n58	3n23	18n23	1n33	8n 4	2n44	3n52	0n46	22s29	0s 6	16s35	4n41	20s19	20s28	14n37			n.a.
T 2	9 24	8 1	3 43	8 48	0 49	2 27	0 7	3 4	3 23	18 25	1 33	8 6	2 44	3 53	0 46	22 29	0 6	16 35	4 41	20 17	20 27	14 35			n.a.
F 3	9 2	12 8	2 54	7 52	0 40	2 59	0 4	3 9	3 22	18 27	1 32	8 8	2 44	3 54	0 46	22 29	0 6	16 35	4 41	20 15	20 26	14 33			n.a.
S 4	8 40	15 46	1 55	6 54	0 30	3 31	0 1	3 15	3 22	18 29	1 32	8 10	2 44	3 55	0 46	22 28	0 6	16 35	4 41	20 15	20 25	14 31			n.a.
S 5	8 17	18 42	0 50	5 56	0 20	4 2	0n 2	3 20	3 22	18 31	1 32	8 12	2 44	3 56	0 47	22 28	0 6	16 35	4 41	20 14	20 25	14 29			n.a.
M 6	7 55	20 42	0n21	4 58	0 9	4 34	0 5	3 26	3 21	18 32	1 32	8 14	2 44	3 57	0 47	22 28	0 6	16 35	4 41	20 14	20 24	14 27			n.a.
T 7	7 32	21 34	1 31	3 59	0n 2	5 5	0 8	3 33	3 20	18 34	1 32	8 15	2 44	3 58	0 47	22 28	0 6	16 35	4 41	20 14	20 23	14 25			n.a.
W 8	7 10	21 7	2 38	3 0	0 13	5 36	0 11	3 39	3 20	18 36	1 32	8 17	2 44	3 59	0 47	22 27	0 6	16 35	4 41	20 14	20 23	14 23			n.a.
T 9	6 47	19 18	3 37	2 1	0 25	6 8	0 14	3 45	3 19	18 37	1 32	8 19	2 44	4 0	0 47	22 27	0 6	16 35	4 41	20 13	20 22	14 21			n.a.
F 10	6 24	16 12	4 23	1 3	0 36	6 39	0 17	3 52	3 18	18 39	1 32	8 21	2 44	4 1	0 47	22 27	0 6	16 35	4 41	20 12	20 21	14 19			n.a.
S 11	6 1	12 1	4 52	0 5	0 48	7 10	0 21	3 59	3 17	18 40	1 32	8 23	2 44	4 2	0 47	22 27	0 6	16 35	4 41	20 10	20 21	14 17			n.a.
S 12	5 38	7 4	5 1	0n51	1 0	7 40	0 24	4 6	3 16	18 42	1 32	8 25	2 44	4 3	0 47	22 27	0 6	16 35	4 41	20 8	20 20	14 15			n.a.
M13	5 15	1 41	4 50	1 46	1 11	8 11	0 27	4 13	3 15	18 43	1 32	8 26	2 44	4 4	0 47	22 26	0 6	16 35	4 41	20 6	20 19	14 13			n.a.
T 14	4 52	3n43	4 19	2 40	1 22	8 41	0 30	4 20	3 14	18 45	1 31	8 28	2 44	4 5	0 47	22 26	0 6	16 35	4 42	20 3	20 19	14 11			n.a.
W15	4 29	8 47	3 32	3 32	1 33	9 11	0 33	4 27	3 13	18 46	1 31	8 30	2 44	4 6	0 47	22 26	0 6	16 35	4 42	20 1	20 18	14 9			n.a.
T 16	4 6	13 15	2 33	4 23	1 44	9 41	0 36	4 35	3 11	18 48	1 31	8 32	2 44	4 7	0 47	22 26	0 6	16 35	4 42	20 0	20 17	14 7			n.a.
F 17	3 42	16 51	1 27	5 11	1 54	10 11	0 39	4 42	3 10	18 49	1 31	8 34	2 44	4 8	0 47	22 26	0 6	16 35	4 42	19 59	20 17	14 5			n.a.
S 18	3 19	19 28	0 18	5 57	2 4	10 41	0 43	4 49	3 8	18 50	1 31	8 35	2 44	4 9	0 47	22 26	0 6	16 34	4 42	19 59	20 16	14 3			n.a.
S 19	2 56	21 0	0s49	6 40	2 13	11 10	0 46	4 56	3 7	18 51	1 31	8 37	2 44	4 10	0 47	22 25	0 6	16 34	4 42	19 59	20 15	14 1			n.a.
M20	2 32	21 28	1 53	7 21	2 21	11 39	0 49	5 4	3 5	18 52	1 31	8 39	2 44	4 11	0 47	22 25	0 6	16 34	4 42	19 59	20 14	13 59			n.a.
T 21	2 9	20 54	2 50	8 0	2 29	12 7	0 52	5 11	3 3	18 53	1 31	8 41	2 44	4 12	0 47	22 25	0 6	16 34	4 42	19 59	20 14	13 57			n.a.
W22	1 45	19 24	3 39	8 35	2 36	12 36	0 55	5 18	3 1	18 54	1 30	8 42	2 44	4 13	0 47	22 25	0 6	16 34	4 42	19 59	20 13	13 55			n.a.
T 23	1 22	17 4	4 18	9 8	2 42	13 4	0 58	5 25	2 59	18 55	1 30	8 44	2 44	4 14	0 47	22 25	0 6	16 34	4 42	19 58	20 12	13 53			n.a.
F 24	0 59	14 3	4 45	9 38	2 47	13 32	1 2	5 32	2 57	18 56	1 30	8 46	2 44	4 15	0 46	22 25	0 6	16 34	4 42	19 56	20 12	13 51			n.a.
S 25	0 35	10 27	5 1	10 5	2 51	13 59	1 5	5 39	2 55	18 57	1 30	8 47	2 44	4 16	0 46	22 24	0 6	16 34	4 42	19 54	20 11	13 49			n.a.
S 26	0 12	6 24	5 3	10 30	2 55	14 27	1 8	5 46	2 53	18 58	1 30	8 49	2 44	4 17	0 46	22 24	0 6	16 34	4 42	19 52	20 10	13 47			n.a.
M27	0n12	2 4	4 52	10 51	2 57	14 53	1 11	5 53	2 51	18 59	1 30	8 51	2 44	4 18	0 46	22 24	0 6	16 34	4 42	19 50	20 10	13 45			n.a.
T 28	0 35	2s24	4 28	11 9	2 59	15 20	1 14	5 59	2 48	18 59	1 29	8 52	2 44	4 19	0 46	22 24	0 6	16 33	4 42	19 47	20 9	13 43			n.a.
W29	0 58	6 50	3 50	11 24	2 59	15 46	1 17	6 6	2 46	19 0	1 29	8 54	2 44	4 20	0 46	22 24	0 6	16 33	4 42	19 45	20 8	13 41			n.a.
T 30	1 22	11 3	3 0	11 36	2 58	16 12	1 20	6 12	2 43	19 0	1 29	8 55	2 44	4 21	0 46	22 24	0 6	16 33	4 42	19 44	20 7	13 39			n.a.
F 31	1n45	14s49	2s 1	11n44	2n56	16n37	1n23	6n18	2n41	19n 1	1n29	8n57	2n44	4n22	0n46	22s24	0s 6	16s33	4n42	19s42	20s 7	13n37			n.a.

Julian Day Number = 1552006.5, Delta T = 04h30m11s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'43, Lahiri = -10°21'42 Julian Calendar 1 March 464 BCE == Greg. Calendar 24 Feb. 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

APRIL 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 14 33	5♈19'07	16♏48	23♈17	12♉ 7	20°R 5	11°R20	13°R47	20°R51	19♑39	3°R43	26°R49	28♏34	8♌57	n.a.	S 1
S 2	12 18 30	6°17'05	0♐ 2	23°34	13°18	19♍45	11♌18	13♍42	20♍48	19°39	3♐42	26°D48	28°31	9° 4	n.a.	S 2
M 3	12 22 26	7°15'01	13°29	23°45	14°28	19°25	11°16	13°38	20°46	19°40	3°41	26♏49	28°28	9°10	n.a.	M 3
T 4	12 26 23	8°12'56	27°10	23°52	15°38	19° 5	11°14	13°35	20°43	19°41	3°41	26°50	28°25	9°17	n.a.	T 4
W 5	12 30 19	9°10'50	11♑ 6	23°R53	16°48	18°46	11°12	13°31	20°41	19°42	3°40	26°R51	28°21	9°24	n.a.	W 5
T 6	12 34 16	10° 8'42	25°17	23°49	17°58	18°28	11°11	13°27	20°39	19°43	3°39	26°50	28°18	9°31	n.a.	T 6
F 7	12 38 12	11° 6'33	9♒40	23°40	19° 7	18°10	11°10	13°23	20°36	19°43	3°38	26°47	28°15	9°37	n.a.	F 7
S 8	12 42 9	12° 4'22	24°13	23°27	20°17	17°53	11° 9	13°19	20°34	19°44	3°38	26°42	28°12	9°44	n.a.	S 8
S 9	12 46 5	13° 2'10	8♓51	23° 9	21°27	17°37	11° 8	13°16	20°32	19°45	3°37	26°36	28° 9	9°51	n.a.	S 9
M10	12 50 2	13°59'57	23°27	22°48	22°36	17°21	11° 7	13°12	20°29	19°45	3°36	26°30	28° 5	9°57	n.a.	M10
T 11	12 53 59	14°57'42	7♈54	22°23	23°45	17° 5	11° 7	13° 8	20°27	19°46	3°35	26°23	28° 2	10° 4	n.a.	T 11
W12	12 57 55	15°55'26	22° 7	21°55	24°55	16°51	11° 6	13° 5	20°25	19°46	3°34	26°18	27°59	10°11	n.a.	W12
T 13	13 1 52	16°53'08	5♉59	21°24	26° 4	16°37	11°D 6	13° 2	20°23	19°47	3°33	26°15	27°56	10°18	n.a.	T 13
F 14	13 5 48	17°50'49	19°28	20°52	27°13	16°24	11° 6	12°58	20°20	19°47	3°32	26°13	27°53	10°24	n.a.	F 14
S 15	13 9 45	18°48'29	2♊34	20°17	28°22	16°12	11° 7	12°55	20°18	19°48	3°31	26°D13	27°50	10°31	n.a.	S 15
S 16	13 13 41	19°46'06	15°18	19°43	29°30	16° 0	11° 7	12°52	20°16	19°48	3°31	26°14	27°46	10°38	n.a.	S 16
M17	13 17 38	20°43'43	27°43	19° 8	0♊39	15°49	11° 8	12°49	20°14	19°48	3°30	26°16	27°43	10°44	n.a.	M17
T 18	13 21 34	21°41'17	9♋52	18°33	1°48	15°40	11° 8	12°46	20°12	19°49	3°28	26°17	27°40	10°51	n.a.	T 18
W19	13 25 31	22°38'50	21°51	17°59	2°56	15°30	11° 9	12°43	20°10	19°49	3°27	26°R18	27°37	10°58	n.a.	W19
T 20	13 29 28	23°36'22	3♌45	17°27	4° 4	15°22	11°11	12°40	20° 8	19°49	3°26	26°17	27°34	11° 5	n.a.	T 20
F 21	13 33 24	24°33'52	15°37	16°57	5°12	15°15	11°12	12°37	20° 6	19°50	3°25	26°15	27°30	11°11	n.a.	F 21
S 22	13 37 21	25°31'20	27°34	16°30	6°20	15° 8	11°13	12°34	20° 4	19°50	3°24	26°12	27°27	11°18	n.a.	S 22
S 23	13 41 17	26°28'47	9♍38	16° 5	7°28	15° 2	11°15	12°31	20° 2	19°50	3°23	26° 8	27°24	11°25	n.a.	S 23
M24	13 45 14	27°26'13	21°52	15°44	8°36	14°57	11°17	12°29	20° 0	19°50	3°22	26° 3	27°21	11°31	n.a.	M24
T 25	13 49 10	28°23'37	4♎19	15°27	9°43	14°53	11°19	12°26	19°58	19°50	3°21	25°59	27°18	11°38	n.a.	T 25
W26	13 53 7	29°21'00	17° 1	15°14	10°51	14°49	11°21	12°24	19°57	19°50	3°20	25°55	27°15	11°45	n.a.	W26
T 27	13 57 3	0♉18'22	29°58	15° 4	11°58	14°47	11°24	12°22	19°55	19°50	3°18	25°52	27°11	11°52	n.a.	T 27
F 28	14 1 0	1°15'43	13♏ 9	14°59	13° 5	14°45	11°26	12°19	19°53	19°R50	3°17	25°50	27° 8	11°58	n.a.	F 28
S 29	14 4 57	2°13'03	26°34	14°D59	14°12	14°44	11°29	12°17	19°52	19°50	3°16	25°D49	27° 5	12° 5	n.a.	S 29
S 30	14 8 53	3♉10'22	10♐11	15♈ 3	15♊19	14°D44	11♌32	12♍15	19♍50	19♑50	3♐15	25♏50	27♏ 2	12♌12	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 8	17s56	0s54	11n50	2n53	17n 2	1n26	6n24	2n38	19n 1	1n29	8n59	2n44	4n23	0n46	22s24	0s 6	16s33	4n42	19s42	20s 6	13n35		n.a.
S 2	2 32	20 8	0n17	11 52	2 49	17 26	1 29	6 30	2 36	19 2	1 29	9 0	2 44	4 24	0 46	22 23	0 6	16 33	4 42	19 42	20 5	13 33		n.a.
M 3	2 55	21 15	1 29	11 52	2 43	17 51	1 32	6 35	2 33	19 2	1 28	9 2	2 44	4 25	0 46	22 23	0 6	16 33	4 42	19 42	20 5	13 31		n.a.
T 4	3 18	21 7	2 36	11 48	2 37	18 14	1 35	6 40	2 30	19 3	1 28	9 3	2 44	4 26	0 46	22 23	0 6	16 32	4 42	19 42	20 4	13 28		n.a.
W 5	3 41	19 42	3 36	11 41	2 29	18 37	1 37	6 45	2 27	19 3	1 28	9 4	2 43	4 27	0 46	22 23	0 6	16 32	4 42	19 42	20 3	13 26		n.a.
T 6	4 4	17 3	4 23	11 31	2 20	19 0	1 40	6 50	2 24	19 3	1 28	9 6	2 43	4 28	0 46	22 23	0 6	16 32	4 42	19 42	20 2	13 24		n.a.
F 7	4 27	13 19	4 55	11 18	2 9	19 23	1 43	6 54	2 22	19 3	1 28	9 7	2 43	4 29	0 46	22 23	0 6	16 32	4 42	19 41	20 2	13 22		n.a.
S 8	4 50	8 47	5 8	11 3	1 58	19 44	1 45	6 58	2 19	19 3	1 27	9 9	2 43	4 30	0 46	22 23	0 6	16 32	4 42	19 40	20 1	13 20		n.a.
S 9	5 13	3 42	5 1	10 45	1 46	20 6	1 48	7 2	2 16	19 3	1 27	9 10	2 43	4 30	0 46	22 23	0 6	16 32	4 42	19 39	20 0	13 18		n.a.
M10	5 35	1n34	4 35	10 24	1 32	20 26	1 51	7 6	2 13	19 3	1 27	9 11	2 43	4 31	0 46	22 23	0 6	16 31	4 42	19 37	20 0	13 16		n.a.
T 11	5 58	6 43	3 52	10 1	1 18	20 47	1 53	7 9	2 10	19 3	1 27	9 12	2 43	4 32	0 46	22 23	0 6	16 31	4 42	19 36	19 59	13 14		n.a.
W12	6 21	11 24	2 54	9 36	1 2	21 7	1 56	7 12	2 7	19 3	1 27	9 14	2 43	4 33	0 46	22 23	0 6	16 31	4 42	19 35	19 58	13 12		n.a.
T 13	6 43	15 23	1 48	9 10	0 47	21 26	1 58	7 15	2 4	19 3	1 27	9 15	2 43	4 34	0 46	22 23	0 6	16 31	4 42	19 34	19 57	13 10		n.a.
F 14	7 5	18 25	0 37	8 43	0 30	21 45	2 0	7 17	2 1	19 3	1 26	9 16	2 42	4 35	0 46	22 23	0 6	16 31	4 42	19 33	19 57	13 8		n.a.
S 15	7 28	20 23	0s35	8 14	0 13	22 3	2 3	7 19	1 57	19 3	1 26	9 17	2 42	4 36	0 46	22 22	0 6	16 31	4 42	19 33	19 56	13 6		n.a.
S 16	7 50	21 14	1 42	7 45	0s 4	22 20	2 5	7 21	1 54	19 2	1 26	9 18	2 42	4 36	0 46	22 22	0 6	16 30	4 42	19 34	19 55	13 4		n.a.
M17	8 12	21 1	2 43	7 16	0 21	22 37	2 7	7 22	1 51	19 2	1 26	9 19	2 42	4 37	0 46	22 22	0 6	16 30	4 42	19 34	19 54	13 2		n.a.
T 18	8 34	19 48	3 36	6 47	0 38	22 54	2 9	7 23	1 48	19 2	1 26	9 20	2 42	4 38	0 46	22 22	0 6	16 30	4 42	19 34	19 54	13 0		n.a.
W19	8 55	17 43	4 18	6 18	0 55	23 10	2 11	7 24	1 45	19 1	1 25	9 21	2 42	4 39	0 46	22 22	0 6	16 30	4 42	19 35	19 53	12 58		n.a.
T 20	9 17	14 53	4 49	5 50	1 11	23 25	2 13	7 24	1 42	19 1	1 25	9 22	2 41	4 40	0 46	22 22	0 6	16 30	4 42	19 34	19 52	12 56		n.a.
F 21	9 38	11 28	5 7	5 24	1 27	23 39	2 15	7 24	1 39	19 0	1 25	9 23	2 41	4 40	0 46	22 22	0 7	16 29	4 42	19 34	19 52	12 54		n.a.
S 22	10 0	7 36	5 12	4 59	1 43	23 53	2 17	7 24	1 36	18 59	1 25	9 24	2 41	4 41	0 46	22 22	0 7	16 29	4 42	19 33	19 51	12 52		n.a.
S 23	10 21	3 23	5 4	4 37	1 57	24 7	2 18	7 24	1 33	18 59	1 25	9 25	2 41	4 42	0 46	22 22	0 7	16 29	4 42	19 32	19 50	12 50		n.a.
M24	10 42	1s 2	4 41	4 16	2 11	24 20	2 20	7 23	1 30	18 58	1 24	9 26	2 41	4 43	0 46	22 22	0 7	16 29	4 42	19 31	19 49	12 47		n.a.
T 25	11 2	5 29	4 5	3 57	2 24	24 32	2 22	7 22	1 27	18 57	1 24	9 27	2 41	4 43	0 46	22 22	0 7	16 29	4 42	19 30	19 49	12 45		n.a.
W26	11 23	9 48	3 17	3 41	2 36	24 43	2 23	7 20	1 24	18 56	1 24	9 28	2 40	4 44	0 46	22 22	0 7	16 28	4 42	19 29	19 48	12 43		n.a.
T 27	11 44	13 44	2 17	3 28	2 46	24 54	2 25	7 19	1 21	18 55	1 24	9 28	2 40	4 45	0 46	22 22	0 7	16 28	4 42	19 28	19 47	12 41		n.a.
F 28	12 4	17 5	1 9	3 17	2 56	25 4	2 26	7 17	1 18	18 55	1 24	9 29	2 40	4 45	0 46	22 22	0 7	16 28	4 42	19 28	19 46	12 39		n.a.
S 29	12 24	19 34	0n 4	3 8	3 5	25 14	2 27	7 15	1 15	18 54	1 23	9 30	2 40	4 46	0 46	22 22	0 7	16 28	4 42	19 28	19 46	12 37		n.a.
S 30	12n44	20s59	1n18	3n 3	3s12	25n23	2n28	7n12	1n12	18n53	1n23	9n30	2n40	4n47	0n46	22s22	0s 7	16s28	4n42	19s28	19s45	12n35		n.a.

Julian Day Number = 1552037.5, Delta T = 04h30m09s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'38, Lahiri = -10°21'38 Julian Calendar 1 Apr. 464 BCE == Greg. Calendar 27 March 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

MAY 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 12 50	4♉ 7'41	24♐ 0	15♈11	16♊25	14♍45	11♌35	12°R13	19°R48	19°R50	3°R13	25♏51	26♏59	12♌18	n.a.	M 1
T 2	14 16 46	5° 4'58	7♑57	15°24	17°32	14°46	11°38	12♍11	19♍47	19♑50	3♐12	25°52	26°56	12°25	n.a.	T 2
W 3	14 20 43	6° 2'16	22° 3	15°42	18°38	14°48	11°42	12°10	19°45	19°50	3°11	25°53	26°52	12°32	n.a.	W 3
T 4	14 24 39	6°59'32	6♒14	16° 4	19°44	14°51	11°45	12° 8	19°44	19°50	3° 9	25°R54	26°49	12°39	n.a.	T 4
F 5	14 28 36	7°56'48	20°29	16°30	20°50	14°55	11°49	12° 6	19°42	19°50	3° 8	25°54	26°46	12°45	n.a.	F 5
S 6	14 32 32	8°54'04	4♓45	17° 1	21°56	14°59	11°53	12° 5	19°41	19°49	3° 7	25°52	26°43	12°52	n.a.	S 6
S 7	14 36 29	9°51'18	18°59	17°35	23° 1	15° 4	11°57	12° 3	19°40	19°49	3° 5	25°51	26°40	12°59	n.a.	S 7
M 8	14 40 26	10°48'33	3♈ 8	18°14	24° 7	15°10	12° 1	12° 2	19°38	19°49	3° 4	25°49	26°36	13° 5	n.a.	M 8
T 9	14 44 22	11°45'47	17° 7	18°57	25°12	15°17	12° 6	12° 1	19°37	19°48	3° 3	25°47	26°33	13°12	n.a.	T 9
W10	14 48 19	12°43'00	0♉54	19°44	26°17	15°24	12°10	12° 0	19°36	19°48	3° 1	25°46	26°30	13°19	n.a.	W10
T 11	14 52 15	13°40'13	14°26	20°35	27°21	15°32	12°15	11°58	19°35	19°48	3° 0	25°45	26°27	13°26	n.a.	T 11
F 12	14 56 12	14°37'25	27°40	21°29	28°26	15°41	12°20	11°58	19°34	19°47	2°58	25°D45	26°24	13°32	n.a.	F 12
S 13	15 0 8	15°34'37	10♊36	22°27	29°30	15°51	12°25	11°57	19°32	19°47	2°57	25°45	26°21	13°39	n.a.	S 13
S 14	15 4 5	16°31'48	23°14	23°29	0♋34	16° 1	12°30	11°56	19°31	19°46	2°56	25°46	26°17	13°46	n.a.	S 14
M15	15 8 1	17°28'58	5♋37	24°35	1°38	16°12	12°35	11°55	19°30	19°46	2°54	25°46	26°14	13°53	n.a.	M15
T 16	15 11 58	18°26'08	17°46	25°44	2°42	16°23	12°41	11°55	19°30	19°45	2°53	25°47	26°11	13°59	n.a.	T 16
W17	15 15 55	19°23'17	29°46	26°56	3°45	16°36	12°46	11°54	19°29	19°45	2°51	25°48	26° 8	14° 6	n.a.	W17
T 18	15 19 51	20°20'25	11♌41	28°12	4°49	16°48	12°52	11°54	19°28	19°44	2°50	25°48	26° 5	14°13	n.a.	T 18
F 19	15 23 48	21°17'33	23°34	29°31	5°51	17° 2	12°58	11°54	19°27	19°43	2°48	25°R48	26° 2	14°19	n.a.	F 19
S 20	15 27 44	22°14'40	5♍31	0♉53	6°54	17°16	13° 4	11°53	19°26	19°43	2°47	25°48	25°58	14°26	n.a.	S 20
S 21	15 31 41	23°11'47	17°36	2°19	7°56	17°31	13°10	11°D53	19°26	19°42	2°45	25°48	25°55	14°33	n.a.	S 21
M22	15 35 37	24° 8'52	29°53	3°48	8°58	17°46	13°16	11°53	19°25	19°41	2°44	25°48	25°52	14°40	n.a.	M22
T 23	15 39 34	25° 5'58	12♎26	5°20	10° 0	18° 2	13°23	11°54	19°24	19°40	2°42	25°47	25°49	14°46	n.a.	T 23
W24	15 43 30	26° 3'03	25°17	6°56	11° 2	18°18	13°30	11°54	19°24	19°40	2°41	25°D47	25°46	14°53	n.a.	W24
T 25	15 47 27	27° 0'08	8♏28	8°34	12° 3	18°35	13°36	11°54	19°23	19°39	2°39	25°47	25°42	15° 0	n.a.	T 25
F 26	15 51 24	27°57'12	21°58	10°16	13° 3	18°52	13°43	11°54	19°23	19°38	2°38	25°R48	25°39	15° 6	n.a.	F 26
S 27	15 55 20	28°54'17	5♐46	12° 1	14° 4	19°10	13°50	11°55	19°23	19°37	2°36	25°48	25°36	15°13	n.a.	S 27
S 28	15 59 17	29°51'21	19°50	13°49	15° 4	19°29	13°57	11°56	19°22	19°36	2°35	25°47	25°33	15°20	n.a.	S 28
M29	16 3 13	0♊48'26	4♑ 6	15°39	16° 4	19°48	14° 5	11°56	19°22	19°35	2°33	25°47	25°30	15°27	n.a.	M29
T 30	16 7 10	1°45'31	18°28	17°32	17° 3	20° 7	14°12	11°57	19°22	19°34	2°32	25°46	25°27	15°33	n.a.	T 30
W31	16 11 6	2♊42'36	2♒53	19♉28	18♋ 2	20♍27	14♌19	11♍58	19♍22	19♑33	2♐30	25♏46	25♏23	15♌40	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	13n 4	21s 8	2n29	3n 0	3s19	25n31	2n29	7n 9	1n10	18n52	1n23	9n31	2n39	4n47	0n46	22s22	0s 7	16s27	4n42	19s28	19s44	12n33			n.a.
T 2	13 23	19 59	3 32	3 0	3 24	25 39	2 30	7 6	1 7	18 50	1 23	9 31	2 39	4 48	0 46	22 22	0 7	16 27	4 42	19 28	19 43	12 31			n.a.
W 3	13 42	17 36	4 22	3 3	3 29	25 46	2 31	7 2	1 4	18 49	1 23	9 32	2 39	4 48	0 46	22 22	0 7	16 27	4 42	19 29	19 43	12 29			n.a.
T 4	14 1	14 10	4 57	3 9	3 32	25 52	2 31	6 59	1 1	18 48	1 22	9 32	2 39	4 49	0 46	22 22	0 7	16 27	4 42	19 29	19 42	12 27			n.a.
F 5	14 20	9 53	5 14	3 17	3 34	25 57	2 32	6 55	0 58	18 47	1 22	9 33	2 39	4 49	0 46	22 23	0 7	16 26	4 42	19 29	19 41	12 25			n.a.
S 6	14 39	5 4	5 12	3 27	3 36	26 2	2 33	6 51	0 56	18 46	1 22	9 33	2 38	4 50	0 45	22 23	0 7	16 26	4 42	19 28	19 40	12 23			n.a.
S 7	14 57	0n 2	4 50	3 40	3 36	26 6	2 33	6 46	0 53	18 44	1 22	9 34	2 38	4 50	0 45	22 23	0 7	16 26	4 42	19 28	19 40	12 21			n.a.
M 8	15 16	5 6	4 11	3 55	3 36	26 10	2 33	6 41	0 50	18 43	1 22	9 34	2 38	4 51	0 45	22 23	0 7	16 26	4 42	19 28	19 39	12 18			n.a.
T 9	15 34	9 51	3 17	4 13	3 34	26 13	2 33	6 36	0 48	18 41	1 21	9 34	2 38	4 51	0 45	22 23	0 7	16 26	4 42	19 27	19 38	12 16			n.a.
W10	15 51	14 1	2 13	4 33	3 32	26 15	2 33	6 31	0 45	18 40	1 21	9 34	2 38	4 52	0 45	22 23	0 7	16 25	4 42	19 27	19 37	12 14			n.a.
T 11	16 9	17 22	1 2	4 55	3 29	26 17	2 33	6 25	0 43	18 38	1 21	9 35	2 37	4 52	0 45	22 23	0 7	16 25	4 42	19 27	19 37	12 12			n.a.
F 12	16 26	19 43	0s11	5 19	3 25	26 17	2 33	6 20	0 40	18 37	1 21	9 35	2 37	4 53	0 45	22 23	0 7	16 25	4 42	19 27	19 36	12 10			n.a.
S 13	16 43	20 59	1 21	5 45	3 21	26 18	2 33	6 14	0 37	18 35	1 21	9 35	2 37	4 53	0 45	22 23	0 7	16 25	4 42	19 27	19 35	12 8			n.a.
S 14	17 0	21 8	2 26	6 13	3 16	26 17	2 32	6 7	0 35	18 34	1 20	9 35	2 37	4 53	0 45	22 23	0 7	16 25	4 42	19 27	19 34	12 6			n.a.
M15	17 16	20 15	3 23	6 42	3 10	26 16	2 32	6 1	0 33	18 32	1 20	9 35	2 36	4 54	0 45	22 23	0 7	16 24	4 42	19 27	19 34	12 4			n.a.
T 16	17 32	18 25	4 10	7 14	3 3	26 14	2 31	5 54	0 30	18 30	1 20	9 35	2 36	4 54	0 45	22 23	0 7	16 24	4 42	19 27	19 33	12 2			n.a.
W17	17 48	15 49	4 45	7 47	2 56	26 12	2 30	5 47	0 28	18 28	1 20	9 35	2 36	4 54	0 45	22 23	0 7	16 24	4 42	19 27	19 32	12 0			n.a.
T 18	18 4	12 35	5 7	8 21	2 48	26 9	2 29	5 40	0 25	18 26	1 20	9 35	2 36	4 55	0 45	22 24	0 7	16 24	4 41	19 27	19 31	11 58			n.a.
F 19	18 19	8 51	5 17	8 57	2 40	26 5	2 28	5 32	0 23	18 25	1 19	9 35	2 36	4 55	0 45	22 24	0 7	16 23	4 41	19 27	19 31	11 55			n.a.
S 20	18 34	4 46	5 12	9 34	2 31	26 1	2 27	5 25	0 21	18 23	1 19	9 35	2 35	4 55	0 45	22 24	0 7	16 23	4 41	19 27	19 30	11 53			n.a.
S 21	18 49	0 27	4 54	10 13	2 22	25 56	2 25	5 17	0 19	18 21	1 19	9 35	2 35	4 55	0 45	22 24	0 7	16 23	4 41	19 27	19 29	11 51			n.a.
M22	19 3	3s58	4 23	10 53	2 12	25 50	2 24	5 9	0 16	18 19	1 19	9 34	2 35	4 56	0 45	22 24	0 7	16 23	4 41	19 27	19 28	11 49			n.a.
T 23	19 17	8 19	3 38	11 33	2 2	25 44	2 22	5 1	0 14	18 17	1 19	9 34	2 35	4 56	0 45	22 24	0 7	16 23	4 41	19 27	19 28	11 47			n.a.
W24	19 31	12 24	2 41	12 15	1 52	25 37	2 20	4 52	0 12	18 15	1 19	9 34	2 34	4 56	0 45	22 24	0 7	16 22	4 41	19 27	19 27	11 45			n.a.
T 25	19 44	16 0	1 35	12 57	1 41	25 29	2 18	4 43	0 10	18 12	1 18	9 33	2 34	4 56	0 45	22 24	0 7	16 22	4 41	19 27	19 26	11 43			n.a.
F 26	19 58	18 50	0 21	13 40	1 30	25 21	2 16	4 35	0 8	18 10	1 18	9 33	2 34	4 56	0 45	22 25	0 7	16 22	4 41	19 27	19 25	11 41			n.a.
S 27	20 10	20 39	0n55	14 24	1 18	25 13	2 14	4 26	0 6	18 8	1 18	9 33	2 34	4 56	0 45	22 25	0 7	16 22	4 41	19 27	19 25	11 39			n.a.
S 28	20 23	21 12	2 9	15 8	1 7	25 4	2 11	4 16	0 4	18 6	1 18	9 32	2 33	4 57	0 45	22 25	0 7	16 22	4 41	19 27	19 24	11 37			n.a.
M29	20 35	20 25	3 17	15 51	0 55	24 54	2 9	4 7	0 2	18 3	1 18	9 32	2 33	4 57	0 45	22 25	0 7	16 21	4 41	19 27	19 23	11 34			n.a.
T 30	20 47	18 18	4 12	16 35	0 44	24 44	2 6	3 57	0s 0	18 1	1 18	9 31	2 33	4 57	0 45	22 25	0 7	16 21	4 40	19 27	19 22	11 32			n.a.
W31	20n58	15s 2	4n52	17n19	0s32	24n33	2n 3	3n48	0s 2	17n59	1n17	9n31	2n33	4n57	0n44	22s25	0s 7	16s21	4n40	19s27	19s21	11n30			n.a.

Julian Day Number = 1552067.5, Delta T = 04h30m08s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'34, Lahiri = -10°21'34 Julian Calendar 1 May 464 BCE == Greg. Calendar 26 Apr. 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

JUNE 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 15 3	3♊39'41	17♒16	21♉27	19♋ 1	20♍48	14♌27	11♍59	19°R22	19°R32	2°R28	25°R45	25♏20	15♌47	n.a.	T 1
F 2	16 19 0	4°36'47	1♓33	23°27	19°59	21° 9	14°35	12° 0	19♍21	19♑31	2♐27	25°D45	25°17	15°54	n.a.	F 2
S 3	16 22 56	5°33'53	15°41	25°30	20°57	21°30	14°43	12° 1	19°D21	19°30	2°25	25♏45	25°14	16° 0	n.a.	S 3
S 4	16 26 53	6°30'59	29°40	27°34	21°55	21°52	14°51	12° 3	19°21	19°29	2°24	25°45	25°11	16° 7	n.a.	S 4
M 5	16 30 49	7°28'06	13♈26	29°40	22°52	22°15	14°59	12° 4	19°22	19°28	2°22	25°46	25° 7	16°14	n.a.	M 5
T 6	16 34 46	8°25'14	27° 0	1♊47	23°48	22°37	15° 7	12° 5	19°22	19°27	2°21	25°47	25° 4	16°20	n.a.	T 6
W 7	16 38 42	9°22'22	10♉20	3°56	24°44	23° 1	15°15	12° 7	19°22	19°26	2°19	25°48	25° 1	16°27	n.a.	W 7
T 8	16 42 39	10°19'30	23°28	6° 4	25°40	23°24	15°24	12° 9	19°22	19°25	2°18	25°R49	24°58	16°34	n.a.	T 8
F 9	16 46 35	11°16'39	6♊21	8°13	26°35	23°48	15°32	12°11	19°22	19°24	2°16	25°48	24°55	16°41	n.a.	F 9
S 10	16 50 32	12°13'49	19° 2	10°23	27°30	24°13	15°41	12°12	19°23	19°22	2°15	25°47	24°52	16°47	n.a.	S 10
S 11	16 54 29	13°10'58	1♋29	12°32	28°24	24°38	15°50	12°14	19°23	19°21	2°13	25°45	24°48	16°54	n.a.	S 11
M12	16 58 25	14° 8'08	13°45	14°40	29°18	25° 3	15°59	12°16	19°24	19°20	2°12	25°43	24°45	17° 1	n.a.	M12
T 13	17 2 22	15° 5'19	25°51	16°48	0♌11	25°29	16° 8	12°19	19°24	19°19	2°10	25°40	24°42	17° 7	n.a.	T 13
W14	17 6 18	16° 2'30	7♌49	18°55	1° 3	25°55	16°17	12°21	19°25	19°17	2° 9	25°37	24°39	17°14	n.a.	W14
T 15	17 10 15	16°59'41	19°42	21° 1	1°55	26°21	16°26	12°23	19°25	19°16	2° 7	25°34	24°36	17°21	n.a.	T 15
F 16	17 14 11	17°56'52	1♍35	23° 6	2°46	26°48	16°35	12°26	19°26	19°15	2° 6	25°32	24°33	17°28	n.a.	F 16
S 17	17 18 8	18°54'03	13°31	25°10	3°37	27°15	16°45	12°28	19°27	19°13	2° 5	25°D31	24°29	17°34	n.a.	S 17
S 18	17 22 4	19°51'15	25°34	27°12	4°27	27°43	16°54	12°31	19°28	19°12	2° 3	25°31	24°26	17°41	n.a.	S 18
M19	17 26 1	20°48'28	7♎50	29°12	5°16	28°10	17° 4	12°33	19°28	19°11	2° 2	25°32	24°23	17°48	n.a.	M19
T 20	17 29 58	21°45'41	20°23	1♋11	6° 5	28°39	17°14	12°36	19°29	19° 9	2° 0	25°34	24°20	17°55	n.a.	T 20
W21	17 33 54	22°42'54	3♏16	3° 8	6°52	29° 7	17°23	12°39	19°30	19° 8	1°59	25°35	24°17	18° 1	n.a.	W21
T 22	17 37 51	23°40'08	16°33	5° 4	7°39	29°36	17°33	12°42	19°31	19° 6	1°57	25°37	24°13	18° 8	n.a.	T 22
F 23	17 41 47	24°37'23	0♐14	6°58	8°25	0♎ 5	17°43	12°45	19°32	19° 5	1°56	25°R37	24°10	18°15	n.a.	F 23
S 24	17 45 44	25°34'38	14°20	8°51	9°10	0°35	17°53	12°48	19°33	19° 4	1°55	25°36	24° 7	18°21	n.a.	S 24
S 25	17 49 40	26°31'54	28°46	10°41	9°55	1° 4	18° 3	12°51	19°34	19° 2	1°53	25°33	24° 4	18°28	n.a.	S 25
M26	17 53 37	27°29'11	13♑28	12°30	10°38	1°34	18°14	12°55	19°36	19° 1	1°52	25°29	24° 1	18°35	n.a.	M26
T 27	17 57 34	28°26'29	28°17	14°18	11°21	2° 5	18°24	12°58	19°37	18°59	1°51	25°25	23°58	18°42	n.a.	T 27
W28	18 1 30	29°23'49	13♒ 7	16° 3	12° 2	2°35	18°34	13° 1	19°38	18°58	1°49	25°20	23°54	18°48	n.a.	W28
T 29	18 5 27	0♋21'09	27°49	17°47	12°42	3° 6	18°45	13° 5	19°40	18°56	1°48	25°16	23°51	18°55	n.a.	T 29
F 30	18 9 23	1♋18'30	12♓18	19♋30	13♌22	3♎38	18♌55	13♍ 9	19♍41	18♑55	1♐47	25♏13	23♏48	19♌ 2	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 9	10s53	5n13	18n 2	0s20	24n22	2n 0	3n38	0s 4	17n56	1n17	9n30	2n33	4n57	0n44	22s25	0s 7	16s21	4n40	19s27	19s21	11n28		n.a.
F 2	21 20	6 10	5 15	18 44	0 9	24 10	1 57	3 28	0 6	17 54	1 17	9 29	2 32	4 57	0 44	22 26	0 7	16 21	4 40	19 27	19 20	11 26		n.a.
S 3	21 31	1 9	4 58	19 25	0n 2	23 58	1 53	3 17	0 8	17 51	1 17	9 29	2 32	4 57	0 44	22 26	0 7	16 20	4 40	19 27	19 19	11 24		n.a.
S 4	21 41	3n52	4 23	20 5	0 13	23 45	1 50	3 7	0 10	17 49	1 17	9 28	2 32	4 57	0 44	22 26	0 7	16 20	4 40	19 27	19 18	11 22		n.a.
M 5	21 50	8 38	3 33	20 44	0 24	23 32	1 46	2 56	0 12	17 46	1 17	9 27	2 32	4 57	0 44	22 26	0 7	16 20	4 40	19 27	19 18	11 20		n.a.
T 6	22 0	12 54	2 33	21 21	0 34	23 18	1 42	2 46	0 13	17 44	1 16	9 26	2 31	4 56	0 44	22 26	0 7	16 20	4 40	19 27	19 17	11 18		n.a.
W 7	22 9	16 27	1 25	21 56	0 44	23 4	1 38	2 35	0 15	17 41	1 16	9 26	2 31	4 56	0 44	22 26	0 7	16 20	4 40	19 27	19 16	11 15		n.a.
T 8	22 17	19 5	0 13	22 28	0 53	22 49	1 34	2 24	0 17	17 38	1 16	9 25	2 31	4 56	0 44	22 27	0 7	16 20	4 39	19 28	19 15	11 13		n.a.
F 9	22 25	20 42	0s58	22 59	1 2	22 34	1 29	2 12	0 19	17 36	1 16	9 24	2 31	4 56	0 44	22 27	0 7	16 19	4 39	19 28	19 15	11 11		n.a.
S 10	22 33	21 13	2 5	23 27	1 10	22 19	1 25	2 1	0 20	17 33	1 16	9 23	2 30	4 56	0 44	22 27	0 7	16 19	4 39	19 27	19 14	11 9		n.a.
S 11	22 41	20 40	3 4	23 52	1 17	22 3	1 20	1 50	0 22	17 30	1 16	9 22	2 30	4 56	0 44	22 27	0 7	16 19	4 39	19 27	19 13	11 7		n.a.
M12	22 48	19 9	3 54	24 14	1 24	21 47	1 15	1 38	0 24	17 27	1 16	9 21	2 30	4 55	0 44	22 27	0 7	16 19	4 39	19 26	19 12	11 5		n.a.
T 13	22 54	16 47	4 33	24 34	1 30	21 31	1 10	1 26	0 25	17 24	1 15	9 20	2 30	4 55	0 44	22 28	0 7	16 19	4 39	19 26	19 11	11 3		n.a.
W14	23 0	13 44	4 59	24 51	1 35	21 14	1 4	1 14	0 27	17 21	1 15	9 19	2 30	4 55	0 44	22 28	0 7	16 19	4 39	19 25	19 11	11 1		n.a.
T 15	23 6	10 9	5 13	25 6	1 39	20 57	0 59	1 2	0 28	17 19	1 15	9 18	2 29	4 55	0 44	22 28	0 7	16 18	4 38	19 24	19 10	10 58		n.a.
F 16	23 12	6 11	5 13	25 17	1 43	20 39	0 53	0 50	0 30	17 16	1 15	9 16	2 29	4 54	0 44	22 28	0 7	16 18	4 38	19 24	19 9	10 56		n.a.
S 17	23 17	1 58	4 59	25 26	1 46	20 21	0 47	0 38	0 31	17 13	1 15	9 15	2 29	4 54	0 44	22 28	0 7	16 18	4 38	19 23	19 8	10 54		n.a.
S 18	23 21	2s22	4 32	25 32	1 49	20 3	0 41	0 25	0 33	17 9	1 15	9 14	2 29	4 54	0 44	22 29	0 7	16 18	4 38	19 23	19 7	10 52		n.a.
M19	23 26	6 42	3 53	25 35	1 50	19 45	0 34	0 13	0 34	17 6	1 15	9 13	2 28	4 53	0 44	22 29	0 7	16 18	4 38	19 24	19 7	10 50		n.a.
T 20	23 29	10 51	3 1	25 36	1 51	19 27	0 28	0 0	0 36	17 3	1 15	9 12	2 28	4 53	0 44	22 29	0 7	16 18	4 38	19 24	19 6	10 48		n.a.
W21	23 33	14 38	2 0	25 34	1 52	19 8	0 21	0s13	0 37	17 0	1 14	9 10	2 28	4 52	0 44	22 29	0 7	16 18	4 38	19 24	19 5	10 46		n.a.
T 22	23 36	17 47	0 50	25 30	1 51	18 49	0 14	0 26	0 39	16 57	1 14	9 9	2 28	4 52	0 44	22 29	0 7	16 17	4 37	19 25	19 4	10 43		n.a.
F 23	23 38	20 3	0n25	25 24	1 51	18 30	0 7	0 39	0 40	16 54	1 14	9 8	2 28	4 52	0 43	22 30	0 8	16 17	4 37	19 25	19 4	10 41		n.a.
S 24	23 40	21 9	1 41	25 16	1 49	18 11	0s 1	0 52	0 41	16 50	1 14	9 6	2 27	4 51	0 43	22 30	0 8	16 17	4 37	19 24	19 3	10 39		n.a.
S 25	23 42	20 53	2 51	25 6	1 47	17 52	0 8	1 5	0 43	16 47	1 14	9 5	2 27	4 51	0 43	22 30	0 8	16 17	4 37	19 24	19 2	10 37		n.a.
M26	23 44	19 13	3 52	24 53	1 45	17 32	0 16	1 18	0 44	16 44	1 14	9 3	2 27	4 50	0 43	22 30	0 8	16 17	4 37	19 23	19 1	10 35		n.a.
T 27	23 44	16 15	4 37	24 39	1 42	17 13	0 24	1 32	0 45	16 41	1 14	9 2	2 27	4 50	0 43	22 31	0 8	16 17	4 37	19 22	19 0	10 33		n.a.
W28	23 45	12 14	5 4	24 23	1 38	16 53	0 32	1 45	0 47	16 37	1 14	9 0	2 26	4 49	0 43	22 31	0 8	16 17	4 36	19 21	19 0	10 31		n.a.
T 29	23 45	7 31	5 11	24 6	1 34	16 34	0 41	1 59	0 48	16 34	1 14	8 59	2 26	4 48	0 43	22 31	0 8	16 17	4 36	19 20	18 59	10 29		n.a.
F 30	23n45	2s27	4n58	23n47	1n29	16n14	0s50	2s13	0s49	16n30	1n13	8n57	2n26	4n48	0n43	22s31	0s 8	16s17	4n36	19s19	18s58	10n26		n.a.

Julian Day Number = 1552098.5, Delta T = 04h30m07s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'30, Lahiri = -10°21'30 Julian Calendar 1 June 464 BCE == Greg. Calendar 27 May 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

JULY 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 13 20	2♋15'53	26♓29	21♋10	14♌ 0	4♎ 9	19♌ 6	13♍12	19♍42	18°R53	1°R45	25°D12	23♏45	19♌ 9	n.a.	S 1
S 2	18 17 16	3°13'17	10♈21	22°49	14°37	4°41	19°17	13°16	19°44	18♑51	1♐44	25♏12	23°42	19°15	n.a.	S 2
M 3	18 21 13	4°10'43	23°55	24°27	15°13	5°13	19°28	13°20	19°45	18°50	1°43	25°13	23°39	19°22	n.a.	M 3
T 4	18 25 9	5° 8'10	7♉11	26° 2	15°48	5°45	19°39	13°24	19°47	18°48	1°42	25°14	23°35	19°29	n.a.	T 4
W 5	18 29 6	6° 5'39	20°11	27°37	16°21	6°18	19°49	13°28	19°49	18°47	1°41	25°R15	23°32	19°35	n.a.	W 5
T 6	18 33 3	7° 3'09	2♊57	29° 9	16°53	6°50	20° 1	13°32	19°50	18°45	1°39	25°15	23°29	19°42	n.a.	T 6
F 7	18 36 59	8° 0'40	15°32	0♌40	17°24	7°24	20°12	13°36	19°52	18°44	1°38	25°13	23°26	19°49	n.a.	F 7
S 8	18 40 56	8°58'13	27°56	2° 9	17°53	7°57	20°23	13°40	19°54	18°42	1°37	25° 9	23°23	19°56	n.a.	S 8
S 9	18 44 52	9°55'47	10♋11	3°36	18°21	8°30	20°34	13°45	19°56	18°40	1°36	25° 3	23°19	20° 2	n.a.	S 9
M10	18 48 49	10°53'22	22°17	5° 2	18°47	9° 4	20°45	13°49	19°57	18°39	1°35	24°56	23°16	20° 9	n.a.	M10
T 11	18 52 45	11°50'59	4♌17	6°26	19°12	9°38	20°57	13°54	19°59	18°37	1°34	24°47	23°13	20°16	n.a.	T 11
W12	18 56 42	12°48'37	16°12	7°49	19°35	10°12	21° 8	13°58	20° 1	18°35	1°33	24°38	23°10	20°23	n.a.	W12
T 13	19 0 38	13°46'16	28° 4	9° 9	19°56	10°47	21°20	14° 3	20° 3	18°34	1°32	24°30	23° 7	20°29	n.a.	T 13
F 14	19 4 35	14°43'56	9♍55	10°28	20°16	11°22	21°31	14° 8	20° 5	18°32	1°31	24°23	23° 4	20°36	n.a.	F 14
S 15	19 8 32	15°41'38	21°49	11°45	20°33	11°57	21°43	14°12	20° 7	18°31	1°30	24°18	23° 0	20°43	n.a.	S 15
S 16	19 12 28	16°39'20	3♎50	13° 0	20°49	12°32	21°55	14°17	20°10	18°29	1°29	24°15	22°57	20°49	n.a.	S 16
M17	19 16 25	17°37'04	16° 3	14°12	21° 3	13° 7	22° 6	14°22	20°12	18°27	1°28	24°D14	22°54	20°56	n.a.	M17
T 18	19 20 21	18°34'49	28°32	15°23	21°14	13°43	22°18	14°27	20°14	18°26	1°27	24°14	22°51	21° 3	n.a.	T 18
W19	19 24 18	19°32'36	11♏21	16°32	21°24	14°19	22°30	14°32	20°16	18°24	1°26	24°15	22°48	21°10	n.a.	W19
T 20	19 28 14	20°30'24	24°36	17°38	21°32	14°55	22°42	14°37	20°19	18°22	1°25	24°R16	22°45	21°16	n.a.	T 20
F 21	19 32 11	21°28'13	8♐18	18°42	21°37	15°31	22°54	14°42	20°21	18°21	1°24	24°15	22°41	21°23	n.a.	F 21
S 22	19 36 7	22°26'04	22°30	19°44	21°40	16° 7	23° 6	14°47	20°23	18°19	1°23	24°12	22°38	21°30	n.a.	S 22
S 23	19 40 4	23°23'56	7♑ 7	20°43	21°R40	16°44	23°18	14°53	20°26	18°17	1°23	24° 7	22°35	21°36	n.a.	S 23
M24	19 44 1	24°21'49	22° 5	21°39	21°39	17°21	23°30	14°58	20°28	18°16	1°22	23°59	22°32	21°43	n.a.	M24
T 25	19 47 57	25°19'45	7♒15	22°33	21°35	17°57	23°42	15° 3	20°31	18°14	1°21	23°51	22°29	21°50	n.a.	T 25
W26	19 51 54	26°17'42	22°27	23°23	21°28	18°35	23°54	15° 9	20°33	18°13	1°20	23°41	22°25	21°57	n.a.	W26
T 27	19 55 50	27°15'41	7♓30	24°10	21°20	19°12	24° 7	15°14	20°36	18°11	1°20	23°33	22°22	22° 3	n.a.	T 27
F 28	19 59 47	28°13'41	22°15	24°54	21° 9	19°49	24°19	15°20	20°39	18° 9	1°19	23°27	22°19	22°10	n.a.	F 28
S 29	20 3 43	29°11'44	6♈38	25°33	20°55	20°27	24°31	15°26	20°41	18° 8	1°18	23°22	22°16	22°17	n.a.	S 29
S 30	20 7 40	0♌ 9'49	20°34	26°10	20°39	21° 5	24°44	15°31	20°44	18° 6	1°18	23°20	22°13	22°24	n.a.	S 30
M31	20 11 36	1♌ 7'56	4♉ 6	26♌41	20♌21	21♎43	24♌56	15♍37	20♍47	18♑ 5	1♐17	23°D20	22♏10	22♌30	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	2n39	4n26	23n27	1n25	15n54	0s59	2s26	0s50	16n27	1n13	8n55	2n26	4n47	0n43	22s32	0s 8	16s17	4n36	19s19	18s57	10n24		n.a.
S 2	23 43	7 31	3 40	23 5	1 19	15 34	1 8	2 40	0 52	16 23	1 13	8 54	2 26	4 47	0 43	22 32	0 8	16 17	4 36	19 19	18 56	10 22		n.a.
M 3	23 41	11 54	2 42	22 43	1 13	15 15	1 17	2 54	0 53	16 20	1 13	8 52	2 25	4 46	0 43	22 32	0 8	16 16	4 36	19 19	18 56	10 20		n.a.
T 4	23 39	15 36	1 37	22 19	1 7	14 55	1 27	3 8	0 54	16 16	1 13	8 50	2 25	4 45	0 43	22 32	0 8	16 16	4 35	19 19	18 55	10 18		n.a.
W 5	23 36	18 28	0 28	21 54	1 1	14 36	1 37	3 22	0 55	16 13	1 13	8 48	2 25	4 45	0 43	22 32	0 8	16 16	4 35	19 20	18 54	10 16		n.a.
T 6	23 34	20 20	0s42	21 28	0 54	14 16	1 47	3 36	0 56	16 9	1 13	8 47	2 25	4 44	0 43	22 33	0 8	16 16	4 35	19 20	18 53	10 14		n.a.
F 7	23 30	21 10	1 48	21 2	0 47	13 57	1 58	3 51	0 57	16 5	1 13	8 45	2 25	4 43	0 43	22 33	0 8	16 16	4 35	19 19	18 52	10 11		n.a.
S 8	23 26	20 57	2 47	20 35	0 39	13 38	2 8	4 5	0 58	16 2	1 13	8 43	2 24	4 42	0 43	22 33	0 8	16 16	4 35	19 18	18 52	10 9		n.a.
S 9	23 22	19 43	3 38	20 7	0 32	13 19	2 19	4 19	0 59	15 58	1 13	8 41	2 24	4 42	0 43	22 33	0 8	16 16	4 34	19 17	18 51	10 7		n.a.
M10	23 18	17 37	4 19	19 38	0 23	13 1	2 30	4 34	1 1	15 54	1 12	8 39	2 24	4 41	0 43	22 34	0 8	16 16	4 34	19 15	18 50	10 5		n.a.
T 11	23 13	14 47	4 48	19 9	0 15	12 42	2 41	4 48	1 2	15 50	1 12	8 37	2 24	4 40	0 43	22 34	0 8	16 16	4 34	19 13	18 49	10 3		n.a.
W12	23 7	11 22	5 3	18 40	0 7	12 24	2 53	5 3	1 3	15 47	1 12	8 35	2 24	4 39	0 43	22 34	0 8	16 16	4 34	19 10	18 48	10 1		n.a.
T 13	23 2	7 31	5 6	18 10	0s 2	12 7	3 4	5 18	1 4	15 43	1 12	8 33	2 24	4 38	0 43	22 34	0 8	16 16	4 34	19 8	18 47	9 58		n.a.
F 14	22 55	3 23	4 56	17 40	0 11	11 49	3 16	5 32	1 5	15 39	1 12	8 31	2 23	4 38	0 43	22 35	0 8	16 16	4 33	19 7	18 47	9 56		n.a.
S 15	22 49	0s53	4 32	17 10	0 20	11 32	3 28	5 47	1 6	15 35	1 12	8 29	2 23	4 37	0 43	22 35	0 8	16 16	4 33	19 5	18 46	9 54		n.a.
S 16	22 42	5 10	3 57	16 39	0 30	11 16	3 40	6 2	1 7	15 31	1 12	8 27	2 23	4 36	0 43	22 35	0 8	16 16	4 33	19 5	18 45	9 52		n.a.
M17	22 34	9 19	3 10	16 9	0 40	11 0	3 53	6 17	1 8	15 27	1 12	8 25	2 23	4 35	0 43	22 35	0 8	16 16	4 33	19 4	18 44	9 50		n.a.
T 18	22 27	13 10	2 14	15 39	0 49	10 44	4 5	6 32	1 8	15 23	1 12	8 23	2 23	4 34	0 42	22 36	0 8	16 16	4 33	19 5	18 43	9 48		n.a.
W19	22 18	16 31	1 9	15 9	0 59	10 29	4 18	6 47	1 9	15 19	1 12	8 21	2 23	4 33	0 42	22 36	0 8	16 16	4 32	19 5	18 43	9 46		n.a.
T 20	22 10	19 8	0n 2	14 39	1 9	10 14	4 31	7 2	1 10	15 15	1 12	8 19	2 22	4 32	0 42	22 36	0 8	16 16	4 32	19 5	18 42	9 43		n.a.
F 21	22 1	20 45	1 14	14 9	1 19	10 1	4 44	7 17	1 11	15 11	1 12	8 17	2 22	4 31	0 42	22 36	0 8	16 16	4 32	19 5	18 41	9 41		n.a.
S 22	21 51	21 7	2 25	13 40	1 30	9 47	4 57	7 32	1 12	15 7	1 12	8 15	2 22	4 30	0 42	22 37	0 8	16 16	4 32	19 4	18 40	9 39		n.a.
S 23	21 42	20 6	3 28	13 12	1 40	9 35	5 10	7 47	1 13	15 3	1 12	8 12	2 22	4 29	0 42	22 37	0 8	16 16	4 31	19 3	18 39	9 37		n.a.
M24	21 31	17 40	4 18	12 44	1 50	9 23	5 23	8 2	1 14	14 59	1 11	8 10	2 22	4 28	0 42	22 37	0 8	16 16	4 31	19 1	18 38	9 35		n.a.
T 25	21 21	14 0	4 51	12 17	2 1	9 12	5 35	8 17	1 14	14 55	1 11	8 8	2 22	4 27	0 42	22 37	0 8	16 17	4 31	18 59	18 38	9 33		n.a.
W26	21 10	9 26	5 3	11 51	2 11	9 2	5 48	8 32	1 15	14 51	1 11	8 6	2 21	4 26	0 42	22 37	0 8	16 17	4 31	18 56	18 37	9 30		n.a.
T 27	20 59	4 19	4 55	11 25	2 21	8 52	6 1	8 47	1 16	14 47	1 11	8 3	2 21	4 25	0 42	22 38	0 8	16 17	4 31	18 54	18 36	9 28		n.a.
F 28	20 47	0n58	4 26	11 1	2 31	8 44	6 14	9 2	1 17	14 42	1 11	8 1	2 21	4 24	0 42	22 38	0 8	16 17	4 30	18 53	18 35	9 26		n.a.
S 29	20 35	6 3	3 42	10 38	2 42	8 36	6 26	9 17	1 18	14 38	1 11	7 59	2 21	4 23	0 42	22 38	0 8	16 17	4 30	18 51	18 34	9 24		n.a.
S 30	20 23	10 41	2 45	10 16	2 52	8 30	6 39	9 32	1 18	14 34	1 11	7 56	2 21	4 22	0 42	22 38	0 8	16 17	4 30	18 51	18 34	9 22		n.a.
M31	20n10	14n37	1n41	9n56	3s 1	8n24	6s51	9s47	1s19	14n30	1n11	7n54	2n21	4n21	0n42	22s39	0s 8	16s17	4n30	18s51	18s33	9n20		n.a.

Julian Day Number = 1552128.5, Delta T = 04h30m06s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'26, Lahiri = -10°21'25 Julian Calendar 1 July 464 BCE == Greg. Calendar 26 June 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

AUGUST 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 15 33	2♌ 6'05	17♉14	27♌ 9	20°R 1	22♎21	25♌ 8	15♍43	20♍49	18°R 3	1°R17	23°R20	22♏ 6	22♌37	n.a.	T 1
W 2	20 19 30	3° 4'16	0♊ 3	27°32	19♌38	22°59	25°21	15°49	20°52	18♑ 1	1♐16	23♏20	22° 3	22°44	n.a.	W 2
T 3	20 23 26	4° 2'30	12°36	27°49	19°14	23°38	25°33	15°55	20°55	18° 0	1°16	23°19	22° 0	22°50	n.a.	T 3
F 4	20 27 23	5° 0'45	24°56	28° 2	18°47	24°16	25°46	16° 1	20°58	17°58	1°15	23°15	21°57	22°57	n.a.	F 4
S 5	20 31 19	5°59'03	7♋ 7	28° 9	18°19	24°55	25°59	16° 7	21° 1	17°57	1°15	23° 8	21°54	23° 4	n.a.	S 5
S 6	20 35 16	6°57'23	19°11	28°R10	17°49	25°34	26°11	16°13	21° 4	17°55	1°14	22°58	21°51	23°11	n.a.	S 6
M 7	20 39 12	7°55'44	1♌10	28° 5	17°17	26°13	26°24	16°19	21° 7	17°54	1°14	22°46	21°47	23°17	n.a.	M 7
T 8	20 43 9	8°54'08	13° 4	27°53	16°44	26°53	26°37	16°25	21°10	17°52	1°14	22°33	21°44	23°24	n.a.	T 8
W 9	20 47 5	9°52'34	24°57	27°35	16°10	27°32	26°49	16°31	21°13	17°51	1°13	22°19	21°41	23°31	n.a.	W 9
T 10	20 51 2	10°51'01	6♍48	27°10	15°35	28°12	27° 2	16°37	21°16	17°49	1°13	22° 6	21°38	23°38	n.a.	T 10
F 11	20 54 59	11°49'30	18°40	26°39	14°59	28°52	27°15	16°44	21°19	17°48	1°13	21°55	21°35	23°44	n.a.	F 11
S 12	20 58 55	12°48'01	0♎35	26° 1	14°23	29°31	27°28	16°50	21°22	17°46	1°12	21°46	21°31	23°51	n.a.	S 12
S 13	21 2 52	13°46'34	12°37	25°17	13°46	0♏12	27°41	16°56	21°25	17°45	1°12	21°40	21°28	23°58	n.a.	S 13
M14	21 6 48	14°45'09	24°48	24°27	13° 9	0°52	27°53	17° 3	21°29	17°43	1°12	21°36	21°25	24° 4	n.a.	M14
T 15	21 10 45	15°43'46	7♏14	23°32	12°33	1°32	28° 6	17° 9	21°32	17°42	1°12	21°35	21°22	24°11	n.a.	T 15
W16	21 14 41	16°42'24	19°58	22°33	11°56	2°12	28°19	17°16	21°35	17°41	1°12	21°35	21°19	24°18	n.a.	W16
T 17	21 18 38	17°41'04	3♐ 6	21°31	11°21	2°53	28°32	17°22	21°38	17°39	1°12	21°35	21°16	24°25	n.a.	T 17
F 18	21 22 34	18°39'46	16°42	20°27	10°46	3°34	28°45	17°29	21°42	17°38	1°12	21°33	21°12	24°31	n.a.	F 18
S 19	21 26 31	19°38'30	0♑47	19°22	10°13	4°15	28°58	17°35	21°45	17°37	1°D12	21°30	21° 9	24°38	n.a.	S 19
S 20	21 30 27	20°37'16	15°21	18°19	9°40	4°56	29°11	17°42	21°48	17°35	1°12	21°23	21° 6	24°45	n.a.	S 20
M21	21 34 24	21°36'03	0♒19	17°19	9°10	5°37	29°24	17°49	21°52	17°34	1°12	21°14	21° 3	24°51	n.a.	M21
T 22	21 38 21	22°34'53	15°35	16°23	8°41	6°18	29°37	17°55	21°55	17°33	1°12	21° 4	21° 0	24°58	n.a.	T 22
W23	21 42 17	23°33'45	0♓57	15°33	8°13	6°59	29°50	18° 2	21°59	17°31	1°12	20°52	20°57	25° 5	n.a.	W23
T 24	21 46 14	24°32'38	16°13	14°51	7°48	7°41	0♍ 3	18° 9	22° 2	17°30	1°12	20°42	20°53	25°12	n.a.	T 24
F 25	21 50 10	25°31'34	1♈13	14°16	7°25	8°22	0°16	18°15	22° 6	17°29	1°12	20°34	20°50	25°18	n.a.	F 25
S 26	21 54 7	26°30'32	15°48	13°51	7° 4	9° 4	0°29	18°22	22° 9	17°28	1°12	20°28	20°47	25°25	n.a.	S 26
S 27	21 58 3	27°29'33	29°55	13°36	6°45	9°46	0°42	18°29	22°13	17°27	1°13	20°25	20°44	25°32	n.a.	S 27
M28	22 2 0	28°28'36	13♉33	13°D31	6°29	10°28	0°55	18°36	22°16	17°26	1°13	20°24	20°41	25°39	n.a.	M28
T 29	22 5 56	29°27'42	26°43	13°36	6°15	11°10	1° 8	18°43	22°20	17°24	1°13	20°23	20°37	25°45	n.a.	T 29
W30	22 9 53	0♍26'50	9♊31	13°51	6° 3	11°52	1°21	18°50	22°23	17°23	1°14	20°23	20°34	25°52	n.a.	W30
T 31	22 13 50	1♍26'01	21♊59	14♌16	5♌54	12♏34	1♍34	18♍57	22♍27	17♑22	1♐14	20♏22	20♏31	25♌59	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
T 1	19n57	17n43	0n32	9n38	3s11	8n19	7s 2	10s 2	1s20	14n25	1n11	7n51	2n21	4n19	0n42	22s39	0s 8	16s17	4n29	18s51	18s32	9n17					n.a.
W 2	19 43	19 51	0s36	9 22	3 20	8 16	7 13	10 18	1 21	14 21	1 11	7 49	2 20	4 18	0 42	22 39	0 8	16 17	4 29	18 51	18 31	9 15					n.a.
T 3	19 30	20 57	1 40	9 7	3 29	8 13	7 24	10 33	1 21	14 17	1 11	7 47	2 20	4 17	0 42	22 39	0 8	16 17	4 29	18 51	18 30	9 13					n.a.
F 4	19 16	21 0	2 39	8 55	3 37	8 11	7 34	10 48	1 22	14 12	1 11	7 44	2 20	4 16	0 42	22 39	0 8	16 18	4 29	18 50	18 29	9 11					n.a.
S 5	19 1	20 4	3 30	8 46	3 44	8 11	7 44	11 3	1 23	14 8	1 11	7 42	2 20	4 15	0 42	22 40	0 8	16 18	4 29	18 48	18 29	9 9					n.a.
S 6	18 46	18 14	4 10	8 39	3 51	8 11	7 53	11 18	1 23	14 4	1 11	7 39	2 20	4 14	0 42	22 40	0 8	16 18	4 28	18 45	18 28	9 7					n.a.
M 7	18 31	15 37	4 39	8 35	3 57	8 12	8 2	11 33	1 24	13 59	1 11	7 37	2 20	4 12	0 42	22 40	0 8	16 18	4 28	18 42	18 27	9 4					n.a.
T 8	18 16	12 23	4 56	8 34	4 3	8 15	8 9	11 48	1 24	13 55	1 11	7 34	2 20	4 11	0 42	22 40	0 8	16 18	4 28	18 39	18 26	9 2					n.a.
W 9	18 0	8 40	5 0	8 37	4 7	8 18	8 16	12 3	1 25	13 50	1 11	7 32	2 20	4 10	0 42	22 41	0 8	16 18	4 28	18 35	18 25	9 0					n.a.
T 10	17 44	4 38	4 50	8 43	4 9	8 22	8 22	12 18	1 26	13 46	1 11	7 29	2 20	4 9	0 42	22 41	0 8	16 18	4 27	18 32	18 24	8 58					n.a.
F 11	17 28	0 26	4 29	8 52	4 11	8 28	8 27	12 33	1 26	13 41	1 11	7 26	2 19	4 7	0 42	22 41	0 8	16 19	4 27	18 29	18 24	8 56					n.a.
S 12	17 11	3s49	3 55	9 5	4 11	8 34	8 32	12 48	1 27	13 37	1 11	7 24	2 19	4 6	0 42	22 41	0 8	16 19	4 27	18 26	18 23	8 54					n.a.
S 13	16 54	7 58	3 10	9 22	4 9	8 41	8 35	13 3	1 27	13 32	1 11	7 21	2 19	4 5	0 42	22 41	0 8	16 19	4 27	18 25	18 22	8 51					n.a.
M14	16 37	11 50	2 17	9 42	4 5	8 49	8 38	13 17	1 28	13 28	1 11	7 19	2 19	4 3	0 42	22 42	0 8	16 19	4 26	18 24	18 21	8 49					n.a.
T 15	16 20	15 17	1 15	10 5	3 59	8 57	8 39	13 32	1 28	13 23	1 11	7 16	2 19	4 2	0 42	22 42	0 8	16 19	4 26	18 24	18 20	8 47					n.a.
W16	16 2	18 6	0 9	10 32	3 52	9 6	8 40	13 47	1 29	13 19	1 11	7 13	2 19	4 1	0 42	22 42	0 8	16 20	4 26	18 24	18 19	8 45					n.a.
T 17	15 44	20 4	1n 1	11 1	3 42	9 16	8 40	14 2	1 29	13 14	1 11	7 11	2 19	4 0	0 42	22 42	0 8	16 20	4 26	18 24	18 19	8 43					n.a.
F 18	15 26	20 57	2 9	11 32	3 30	9 27	8 38	14 16	1 30	13 10	1 11	7 8	2 19	3 58	0 42	22 42	0 8	16 20	4 25	18 23	18 18	8 41					n.a.
S 19	15 7	20 34	3 11	12 5	3 17	9 37	8 36	14 31	1 30	13 5	1 11	7 5	2 19	3 57	0 42	22 43	0 8	16 20	4 25	18 22	18 17	8 38					n.a.
S 20	14 48	18 49	4 3	12 39	3 2	9 49	8 33	14 45	1 31	13 1	1 11	7 3	2 19	3 55	0 42	22 43	0 8	16 21	4 25	18 21	18 16	8 36					n.a.
M21	14 29	15 46	4 41	13 14	2 45	10 0	8 29	15 0	1 31	12 56	1 11	7 0	2 19	3 54	0 41	22 43	0 8	16 21	4 25	18 18	18 15	8 34					n.a.
T 22	14 10	11 37	4 59	13 47	2 27	10 12	8 25	15 14	1 32	12 51	1 11	6 57	2 18	3 53	0 41	22 43	0 8	16 21	4 24	18 15	18 14	8 32					n.a.
W23	13 50	6 40	4 56	14 20	2 8	10 24	8 19	15 28	1 32	12 47	1 11	6 54	2 18	3 51	0 41	22 43	0 8	16 21	4 24	18 12	18 13	8 30					n.a.
T 24	13 31	1 21	4 31	14 52	1 49	10 36	8 13	15 42	1 32	12 42	1 11	6 52	2 18	3 50	0 41	22 43	0 8	16 22	4 24	18 10	18 13	8 28					n.a.
F 25	13 11	3n59	3 49	15 20	1 29	10 49	8 7	15 56	1 33	12 37	1 11	6 49	2 18	3 49	0 41	22 44	0 8	16 22	4 24	18 7	18 12	8 25					n.a.
S 26	12 50	8 56	2 52	15 47	1 9	11 1	7 59	16 10	1 33	12 33	1 11	6 46	2 18	3 47	0 41	22 44	0 8	16 22	4 24	18 6	18 11	8 23					n.a.
S 27	12 30	13 14	1 46	16 10	0 50	11 13	7 51	16 24	1 34	12 28	1 11	6 43	2 18	3 46	0 41	22 44	0 8	16 22	4 23	18 5	18 10	8 21					n.a.
M28	12 9	16 41	0 36	16 29	0 31	11 25	7 43	16 38	1 34	12 23	1 11	6 41	2 18	3 44	0 41	22 44	0 8	16 23	4 23	18 5	18 9	8 19					n.a.
T 29	11 49	19 8	0s33	16 45	0 13	11 37	7 34	16 52	1 34	12 19	1 11	6 38	2 18	3 43	0 41	22 44	0 8	16 23	4 23	18 5	18 8	8 17					n.a.
W30	11 27	20 32	1 39	16 57	0n 4	11 49	7 25	17 5	1 35	12 14	1 11	6 35	2 18	3 41	0 41	22 44	0 8	16 23	4 23	18 5	18 7	8 14					n.a.
T 31	11n 6	20n52	2s39	17n 5	0n20	12n 1	7s15	17s19	1s35	12n 9	1n11	6n32	2n18	3n40	0n41	22s45	0s 8	16s24	4n22	18s 4	18s 7	8n12					n.a.

Julian Day Number = 1552159.5, Delta T = 04h30m05s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'22, Lahiri = -10°21'21 Julian Calendar 1 Aug. 464 BCE == Greg. Calendar 27 July 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

SEPTEMBER 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 17 46	2♍25'13	4♋13	14♌51	5°R48	13♏16	1♍48	19♍ 4	22♍30	17°R21	1♐14	20°R18	20♏28	26♌ 5	n.a.	F 1
S 2	22 21 43	3°24'29	16°16	15°35	5♌43	13°59	2° 1	19°11	22°34	17♑20	1°15	20♏11	20°25	26°12	n.a.	S 2
S 3	22 25 39	4°23'46	28°13	16°27	5°D42	14°41	2°14	19°18	22°38	17°19	1°15	20° 2	20°22	26°19	n.a.	S 3
M 4	22 29 36	5°23'06	10♌ 7	17°27	5°42	15°24	2°27	19°25	22°41	17°18	1°16	19°50	20°18	26°26	n.a.	M 4
T 5	22 33 32	6°22'29	21°59	18°34	5°45	16° 7	2°40	19°32	22°45	17°17	1°16	19°37	20°15	26°32	n.a.	T 5
W 6	22 37 29	7°21'53	3♍51	19°47	5°50	16°50	2°53	19°39	22°49	17°16	1°17	19°23	20°12	26°39	n.a.	W 6
T 7	22 41 25	8°21'20	15°45	21° 5	5°58	17°33	3° 6	19°46	22°52	17°15	1°17	19°10	20° 9	26°46	n.a.	T 7
F 8	22 45 22	9°20'48	27°41	22°28	6° 8	18°16	3°19	19°53	22°56	17°15	1°18	18°58	20° 6	26°53	n.a.	F 8
S 9	22 49 18	10°20'19	9♎43	23°55	6°20	18°59	3°32	20° 0	23° 0	17°14	1°19	18°49	20° 2	26°59	n.a.	S 9
S 10	22 53 15	11°19'52	21°50	25°25	6°34	19°42	3°45	20° 7	23° 4	17°13	1°19	18°43	19°59	27° 6	n.a.	S 10
M11	22 57 12	12°19'27	4♏ 7	26°59	6°50	20°25	3°58	20°14	23° 7	17°12	1°20	18°40	19°56	27°13	n.a.	M11
T 12	23 1 8	13°19'03	16°36	28°34	7° 8	21° 9	4°11	20°21	23°11	17°11	1°21	18°D39	19°53	27°19	n.a.	T 12
W13	23 5 5	14°18'42	29°20	0♍12	7°27	21°52	4°24	20°28	23°15	17°11	1°21	18°39	19°50	27°26	n.a.	W13
T 14	23 9 1	15°18'23	12♐25	1°51	7°49	22°36	4°37	20°36	23°18	17°10	1°22	18°R40	19°47	27°33	n.a.	T 14
F 15	23 12 58	16°18'05	25°52	3°31	8°13	23°20	4°50	20°43	23°22	17° 9	1°23	18°39	19°43	27°40	n.a.	F 15
S 16	23 16 54	17°17'49	9♑46	5°12	8°38	24° 3	5° 3	20°50	23°26	17° 9	1°24	18°37	19°40	27°46	n.a.	S 16
S 17	23 20 51	18°17'35	24° 6	6°53	9° 5	24°47	5°16	20°57	23°30	17° 8	1°25	18°33	19°37	27°53	n.a.	S 17
M18	23 24 47	19°17'23	8♒51	8°36	9°34	25°31	5°29	21° 4	23°34	17° 8	1°26	18°26	19°34	28° 0	n.a.	M18
T 19	23 28 44	20°17'13	23°54	10°18	10° 4	26°15	5°42	21°11	23°37	17° 7	1°27	18°18	19°31	28° 6	n.a.	T 19
W20	23 32 41	21°17'04	9♓ 8	12° 0	10°36	26°59	5°55	21°19	23°41	17° 7	1°28	18° 9	19°28	28°13	n.a.	W20
T 21	23 36 37	22°16'57	24°21	13°43	11° 9	27°43	6° 7	21°26	23°45	17° 6	1°29	18° 0	19°24	28°20	n.a.	T 21
F 22	23 40 34	23°16'53	9♈22	15°25	11°44	28°28	6°20	21°33	23°49	17° 6	1°30	17°53	19°21	28°27	n.a.	F 22
S 23	23 44 30	24°16'50	24° 3	17° 7	12°20	29°12	6°33	21°40	23°52	17° 5	1°31	17°49	19°18	28°33	n.a.	S 23
S 24	23 48 27	25°16'50	8♉19	18°48	12°57	29°56	6°46	21°47	23°56	17° 5	1°32	17°46	19°15	28°40	n.a.	S 24
M25	23 52 23	26°16'52	22° 5	20°30	13°36	0♐41	6°58	21°54	24° 0	17° 5	1°33	17°D46	19°12	28°47	n.a.	M25
T 26	23 56 20	27°16'57	5♊23	22°11	14°16	1°25	7°11	22° 2	24° 4	17° 4	1°34	17°47	19° 8	28°54	n.a.	T 26
W27	0 0 16	28°17'04	18°16	23°51	14°57	2°10	7°24	22° 9	24° 8	17° 4	1°35	17°48	19° 5	29° 0	n.a.	W27
T 28	0 4 13	29°17'12	0♋47	25°31	15°39	2°54	7°36	22°16	24°11	17° 4	1°36	17°R49	19° 2	29° 7	n.a.	T 28
F 29	0 8 9	0♎17'24	13° 1	27°11	16°23	3°39	7°49	22°23	24°15	17° 3	1°37	17°48	18°59	29°14	n.a.	F 29
S 30	0 12 6	1♎17'37	25♋ 4	28♍50	17♌ 7	4♐24	8♍ 2	22♍30	24♍19	17♑ 3	1♐39	17♏45	18♏56	29♌20	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n45	20n11	3s30	17n 9	0n35	12n12	7s 5	17s32	1s35	12n 5	1n11	6n30	2n18	3n38	0n41	22s45	0s 8	16s24	4n22	18s 3	18s 6	8n10		n.a.
S 2	10 23	18 36	4 10	17 9	0 49	12 23	6 55	17 45	1 35	12 0	1 11	6 27	2 18	3 37	0 41	22 45	0 8	16 24	4 22	18 1	18 5	8 8		n.a.
S 3	10 1	16 13	4 40	17 5	1 1	12 33	6 44	17 58	1 36	11 55	1 11	6 24	2 18	3 36	0 41	22 45	0 8	16 25	4 22	17 59	18 4	8 6		n.a.
M 4	9 39	13 11	4 56	16 57	1 12	12 44	6 34	18 11	1 36	11 50	1 11	6 21	2 18	3 34	0 41	22 45	0 8	16 25	4 21	17 55	18 3	8 4		n.a.
T 5	9 17	9 38	5 0	16 45	1 22	12 53	6 23	18 24	1 36	11 46	1 11	6 18	2 18	3 33	0 41	22 45	0 8	16 25	4 21	17 52	18 2	8 1		n.a.
W 6	8 55	5 42	4 51	16 30	1 30	13 3	6 12	18 37	1 36	11 41	1 11	6 15	2 18	3 31	0 41	22 45	0 8	16 26	4 21	17 48	18 1	7 59		n.a.
T 7	8 33	1 33	4 30	16 11	1 37	13 12	6 1	18 50	1 37	11 36	1 11	6 13	2 18	3 30	0 41	22 46	0 8	16 26	4 21	17 44	18 1	7 57		n.a.
F 8	8 10	2s40	3 56	15 50	1 43	13 20	5 50	19 2	1 37	11 31	1 11	6 10	2 18	3 28	0 41	22 46	0 8	16 26	4 20	17 41	18 0	7 55		n.a.
S 9	7 47	6 49	3 11	15 25	1 48	13 28	5 39	19 15	1 37	11 27	1 11	6 7	2 18	3 27	0 41	22 46	0 8	16 27	4 20	17 39	17 59	7 53		n.a.
S 10	7 24	10 44	2 18	14 58	1 52	13 36	5 27	19 27	1 37	11 22	1 11	6 4	2 18	3 25	0 41	22 46	0 8	16 27	4 20	17 37	17 58	7 50		n.a.
M11	7 1	14 15	1 17	14 28	1 55	13 42	5 16	19 39	1 37	11 17	1 11	6 1	2 18	3 24	0 41	22 46	0 8	16 27	4 20	17 36	17 57	7 48		n.a.
T 12	6 38	17 11	0 11	13 57	1 57	13 49	5 5	19 51	1 38	11 12	1 11	5 58	2 18	3 22	0 41	22 46	0 8	16 28	4 19	17 36	17 56	7 46		n.a.
W13	6 15	19 21	0n57	13 23	1 58	13 55	4 54	20 2	1 38	11 8	1 11	5 55	2 18	3 21	0 41	22 46	0 8	16 28	4 19	17 36	17 55	7 44		n.a.
T 14	5 52	20 32	2 3	12 47	1 58	14 0	4 43	20 14	1 38	11 3	1 11	5 53	2 18	3 19	0 41	22 46	0 8	16 29	4 19	17 36	17 55	7 42		n.a.
F 15	5 28	20 36	3 5	12 10	1 57	14 5	4 31	20 25	1 38	10 58	1 12	5 50	2 18	3 18	0 41	22 46	0 8	16 29	4 19	17 36	17 54	7 40		n.a.
S 16	5 5	19 26	3 58	11 32	1 56	14 9	4 20	20 37	1 38	10 53	1 12	5 47	2 18	3 16	0 41	22 46	0 8	16 29	4 19	17 35	17 53	7 37		n.a.
S 17	4 41	17 1	4 38	10 52	1 55	14 12	4 10	20 48	1 38	10 49	1 12	5 44	2 18	3 15	0 41	22 47	0 8	16 30	4 18	17 34	17 52	7 35		n.a.
M18	4 18	13 27	5 0	10 11	1 52	14 15	3 59	20 59	1 38	10 44	1 12	5 41	2 18	3 13	0 41	22 47	0 8	16 30	4 18	17 32	17 51	7 33		n.a.
T 19	3 54	8 57	5 3	9 29	1 49	14 17	3 48	21 9	1 38	10 39	1 12	5 38	2 18	3 11	0 41	22 47	0 9	16 31	4 18	17 30	17 50	7 31		n.a.
W20	3 30	3 51	4 45	8 47	1 46	14 19	3 37	21 20	1 38	10 34	1 12	5 36	2 18	3 10	0 41	22 47	0 9	16 31	4 18	17 27	17 49	7 29		n.a.
T 21	3 6	1n29	4 6	8 3	1 42	14 20	3 27	21 30	1 38	10 30	1 12	5 33	2 18	3 8	0 41	22 47	0 9	16 31	4 17	17 25	17 48	7 26		n.a.
F 22	2 42	6 41	3 11	7 20	1 38	14 21	3 17	21 41	1 39	10 25	1 12	5 30	2 18	3 7	0 41	22 47	0 9	16 32	4 17	17 23	17 48	7 24		n.a.
S 23	2 18	11 22	2 4	6 35	1 34	14 20	3 6	21 50	1 39	10 20	1 12	5 27	2 18	3 5	0 41	22 47	0 9	16 32	4 17	17 22	17 47	7 22		n.a.
S 24	1 54	15 15	0 51	5 51	1 29	14 20	2 56	22 0	1 39	10 16	1 12	5 24	2 18	3 4	0 41	22 47	0 9	16 33	4 17	17 21	17 46	7 20		n.a.
M25	1 30	18 9	0s23	5 6	1 24	14 18	2 46	22 10	1 39	10 11	1 12	5 21	2 18	3 2	0 41	22 47	0 9	16 33	4 16	17 21	17 45	7 18		n.a.
T 26	1 6	19 57	1 33	4 21	1 19	14 16	2 37	22 19	1 39	10 6	1 12	5 18	2 18	3 1	0 41	22 47	0 9	16 34	4 16	17 21	17 44	7 16		n.a.
W27	0 41	20 37	2 37	3 36	1 13	14 13	2 27	22 28	1 39	10 1	1 12	5 16	2 18	2 59	0 41	22 47	0 9	16 34	4 16	17 22	17 43	7 13		n.a.
T 28	0 17	20 14	3 31	2 50	1 8	14 10	2 17	22 37	1 39	9 57	1 13	5 13	2 18	2 58	0 41	22 47	0 9	16 34	4 16	17 22	17 42	7 11		n.a.
F 29	0s 7	18 54	4 14	2 5	1 2	14 6	2 8	22 46	1 39	9 52	1 13	5 10	2 18	2 56	0 41	22 47	0 9	16 35	4 16	17 21	17 41	7 9		n.a.
S 30	0s31	16n44	4s45	1n19	0n56	14n 1	1s59	22s55	1s39	9n47	1n13	5n 7	2n18	2n55	0n41	22s47	0s 9	16s35	4n15	17s21	17s41	7n 7		n.a.

Julian Day Number = 1552190.5, Delta T = 04h30m03s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'17, Lahiri = -10°21'17 Julian Calendar 1 Sept. 464 BCE == Greg. Calendar 27 Aug. 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

OCTOBER 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 16 3	2♎17'52	6♌59	0♎29	17♌52	5♐ 9	8♍14	22♍37	24♍23	17°R 3	1♐40	17°R40	18♏53	29♌27	n.a.	S 1
M 2	0 19 59	3°18'10	18°50	2° 8	18°39	5°54	8°27	22°44	24°27	17♑ 3	1°41	17♏33	18°49	29°34	n.a.	M 2
T 3	0 23 56	4°18'29	0♍42	3°45	19°26	6°39	8°39	22°51	24°30	17° 3	1°43	17°25	18°46	29°41	n.a.	T 3
W 4	0 27 52	5°18'51	12°35	5°23	20°14	7°24	8°51	22°58	24°34	17° 3	1°44	17°16	18°43	29°47	n.a.	W 4
T 5	0 31 49	6°19'14	24°34	7° 0	21° 3	8° 9	9° 4	23° 5	24°38	17°D 3	1°45	17° 8	18°40	29°54	n.a.	T 5
F 6	0 35 45	7°19'40	6♎39	8°37	21°53	8°54	9°16	23°12	24°41	17° 3	1°47	17° 1	18°37	0♍ 1	n.a.	F 6
S 7	0 39 42	8°20'07	18°51	10°13	22°44	9°39	9°28	23°20	24°45	17° 3	1°48	16°56	18°33	0° 7	n.a.	S 7
S 8	0 43 38	9°20'36	1♏12	11°49	23°35	10°24	9°40	23°27	24°49	17° 3	1°50	16°52	18°30	0°14	n.a.	S 8
M 9	0 47 35	10°21'06	13°42	13°25	24°28	11° 9	9°53	23°33	24°53	17° 3	1°51	16°D51	18°27	0°21	n.a.	M 9
T 10	0 51 31	11°21'38	26°24	15° 0	25°21	11°55	10° 5	23°40	24°56	17° 3	1°53	16°52	18°24	0°28	n.a.	T 10
W11	0 55 28	12°22'12	9♐19	16°35	26°14	12°40	10°17	23°47	25° 0	17° 4	1°54	16°53	18°21	0°34	n.a.	W11
T 12	0 59 25	13°22'47	22°30	18° 9	27° 9	13°26	10°29	23°54	25° 4	17° 4	1°56	16°55	18°18	0°41	n.a.	T 12
F 13	1 3 21	14°23'24	5♑58	19°44	28° 4	14°11	10°41	24° 1	25° 7	17° 4	1°57	16°56	18°14	0°48	n.a.	F 13
S 14	1 7 18	15°24'02	19°45	21°18	28°59	14°57	10°53	24° 8	25°11	17° 4	1°59	16°R56	18°11	0°55	n.a.	S 14
S 15	1 11 14	16°24'41	3♒52	22°52	29°55	15°42	11° 4	24°15	25°14	17° 5	2° 0	16°55	18° 8	1° 1	n.a.	S 15
M16	1 15 11	17°25'21	18°17	24°25	0♍52	16°28	11°16	24°22	25°18	17° 5	2° 2	16°52	18° 5	1° 8	n.a.	M16
T 17	1 19 7	18°26'02	2♓57	25°58	1°49	17°13	11°28	24°28	25°22	17° 6	2° 4	16°49	18° 2	1°15	n.a.	T 17
W18	1 23 4	19°26'45	17°46	27°31	2°47	17°59	11°40	24°35	25°25	17° 6	2° 5	16°45	17°59	1°21	n.a.	W18
T 19	1 27 0	20°27'29	2♈38	29° 4	3°46	18°45	11°51	24°42	25°29	17° 6	2° 7	16°41	17°55	1°28	n.a.	T 19
F 20	1 30 57	21°28'15	17°24	0♏37	4°45	19°30	12° 3	24°49	25°32	17° 7	2° 9	16°38	17°52	1°35	n.a.	F 20
S 21	1 34 54	22°29'01	1♉55	2° 9	5°44	20°16	12°14	24°55	25°36	17° 8	2°11	16°36	17°49	1°42	n.a.	S 21
S 22	1 38 50	23°29'50	16° 8	3°41	6°44	21° 2	12°25	25° 2	25°39	17° 8	2°12	16°D35	17°46	1°48	n.a.	S 22
M23	1 42 47	24°30'40	29°56	5°13	7°44	21°48	12°37	25° 8	25°43	17° 9	2°14	16°36	17°43	1°55	n.a.	M23
T 24	1 46 43	25°31'31	13♊19	6°45	8°45	22°34	12°48	25°15	25°46	17° 9	2°16	16°37	17°39	2° 2	n.a.	T 24
W25	1 50 40	26°32'24	26°18	8°17	9°46	23°20	12°59	25°21	25°49	17°10	2°18	16°38	17°36	2° 8	n.a.	W25
T 26	1 54 36	27°33'19	8♋55	9°48	10°48	24° 6	13°10	25°28	25°53	17°11	2°20	16°40	17°33	2°15	n.a.	T 26
F 27	1 58 33	28°34'15	21°13	11°20	11°50	24°51	13°21	25°34	25°56	17°11	2°21	16°41	17°30	2°22	n.a.	F 27
S 28	2 2 29	29°35'12	3♌18	12°51	12°53	25°37	13°32	25°41	26° 0	17°12	2°23	16°R41	17°27	2°29	n.a.	S 28
S 29	2 6 26	0♏36'11	15°15	14°21	13°55	26°23	13°43	25°47	26° 3	17°13	2°25	16°40	17°24	2°35	n.a.	S 29
M30	2 10 23	1°37'11	27° 6	15°52	14°59	27° 9	13°54	25°53	26° 6	17°14	2°27	16°39	17°20	2°42	n.a.	M30
T 31	2 14 19	2♏38'12	8♍58	17♏22	16♍ 2	27♐56	14♍ 4	25♍59	26♍ 9	17♑15	2♐29	16♏37	17♏17	2♍49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	0s56	13n53	5s 3	0n34	0n50	13n56	1s50	23s 3	1s38	9n43	1n13	5n 4	2n18	2n53	0n41	22s47	0s 9	16s36	4n15	17s19	17s40	7n 5			n.a.
M 2	1 20	10 30	5 8	0s11	0 44	13 50	1 41	23 11	1 38	9 38	1 13	5 2	2 18	2 52	0 41	22 47	0 9	16 36	4 15	17 17	17 39	7 2			n.a.
T 3	1 44	6 42	5 0	0 57	0 37	13 43	1 32	23 19	1 38	9 33	1 13	4 59	2 18	2 50	0 41	22 47	0 9	16 37	4 15	17 15	17 38	7 0			n.a.
W 4	2 8	2 38	4 39	1 42	0 31	13 36	1 24	23 26	1 38	9 29	1 13	4 56	2 18	2 49	0 41	22 47	0 9	16 37	4 15	17 12	17 37	6 58			n.a.
T 5	2 32	1s34	4 6	2 27	0 24	13 29	1 15	23 34	1 38	9 24	1 13	4 53	2 18	2 47	0 41	22 47	0 9	16 38	4 14	17 10	17 36	6 56			n.a.
F 6	2 57	5 44	3 21	3 11	0 18	13 20	1 7	23 41	1 38	9 20	1 13	4 51	2 18	2 46	0 41	22 47	0 9	16 38	4 14	17 8	17 35	6 54			n.a.
S 7	3 21	9 44	2 26	3 55	0 11	13 11	0 59	23 48	1 38	9 15	1 13	4 48	2 18	2 44	0 41	22 47	0 9	16 39	4 14	17 7	17 34	6 51			n.a.
S 8	3 45	13 21	1 24	4 40	0 5	13 2	0 51	23 55	1 38	9 10	1 14	4 45	2 18	2 43	0 41	22 47	0 9	16 39	4 14	17 6	17 33	6 49			n.a.
M 9	4 9	16 26	0 17	5 23	0s 2	12 52	0 43	24 1	1 38	9 6	1 14	4 42	2 19	2 41	0 41	22 47	0 9	16 40	4 14	17 5	17 33	6 47			n.a.
T 10	4 33	18 46	0n52	6 7	0 8	12 41	0 36	24 7	1 37	9 1	1 14	4 40	2 19	2 40	0 41	22 47	0 9	16 40	4 13	17 5	17 32	6 45			n.a.
W11	4 57	20 10	2 0	6 50	0 15	12 29	0 28	24 13	1 37	8 57	1 14	4 37	2 19	2 38	0 41	22 47	0 9	16 41	4 13	17 6	17 31	6 43			n.a.
T 12	5 21	20 30	3 2	7 32	0 21	12 18	0 21	24 19	1 37	8 52	1 14	4 34	2 19	2 37	0 41	22 47	0 9	16 41	4 13	17 6	17 30	6 41			n.a.
F 13	5 45	19 40	3 57	8 15	0 28	12 5	0 14	24 24	1 37	8 48	1 14	4 32	2 19	2 35	0 41	22 47	0 9	16 42	4 13	17 7	17 29	6 38			n.a.
S 14	6 8	17 41	4 39	8 56	0 34	11 52	0 7	24 29	1 37	8 43	1 14	4 29	2 19	2 34	0 41	22 47	0 9	16 42	4 13	17 7	17 28	6 36			n.a.
S 15	6 32	14 36	5 5	9 38	0 41	11 39	0 0	24 34	1 37	8 39	1 14	4 26	2 19	2 33	0 41	22 47	0 9	16 43	4 12	17 6	17 27	6 34			n.a.
M16	6 56	10 35	5 13	10 19	0 47	11 24	0n 6	24 39	1 36	8 35	1 15	4 24	2 19	2 31	0 41	22 47	0 9	16 43	4 12	17 6	17 26	6 32			n.a.
T 17	7 19	5 53	5 1	10 59	0 53	11 10	0 13	24 43	1 36	8 30	1 15	4 21	2 19	2 30	0 41	22 47	0 9	16 44	4 12	17 5	17 25	6 30			n.a.
W18	7 42	0 47	4 29	11 39	0 59	10 55	0 19	24 47	1 36	8 26	1 15	4 18	2 19	2 28	0 41	22 47	0 9	16 44	4 12	17 3	17 25	6 27			n.a.
T 19	8 6	4n23	3 38	12 18	1 5	10 39	0 25	24 51	1 36	8 22	1 15	4 16	2 19	2 27	0 41	22 47	0 9	16 45	4 12	17 2	17 24	6 25			n.a.
F 20	8 29	9 16	2 34	12 57	1 11	10 23	0 31	24 55	1 35	8 17	1 15	4 13	2 20	2 25	0 41	22 47	0 9	16 45	4 11	17 1	17 23	6 23			n.a.
S 21	8 52	13 33	1 20	13 35	1 17	10 6	0 37	24 58	1 35	8 13	1 15	4 11	2 20	2 24	0 41	22 47	0 9	16 46	4 11	17 1	17 22	6 21			n.a.
S 22	9 14	16 55	0 3	14 12	1 23	9 49	0 43	25 1	1 35	8 9	1 15	4 8	2 20	2 23	0 41	22 47	0 9	16 46	4 11	17 1	17 21	6 19			n.a.
M23	9 37	19 13	1s13	14 49	1 28	9 31	0 48	25 4	1 35	8 4	1 16	4 5	2 20	2 21	0 41	22 47	0 9	16 47	4 11	17 1	17 20	6 16			n.a.
T 24	10 0	20 21	2 22	15 25	1 33	9 13	0 54	25 7	1 34	8 0	1 16	4 3	2 20	2 20	0 41	22 47	0 9	16 47	4 11	17 1	17 19	6 14			n.a.
W25	10 22	20 20	3 22	16 0	1 38	8 54	0 59	25 9	1 34	7 56	1 16	4 0	2 20	2 19	0 41	22 47	0 9	16 48	4 11	17 2	17 18	6 12			n.a.
T 26	10 44	19 17	4 10	16 34	1 43	8 35	1 4	25 11	1 34	7 52	1 16	3 58	2 20	2 17	0 41	22 46	0 9	16 48	4 10	17 2	17 17	6 10			n.a.
F 27	11 6	17 21	4 45	17 8	1 48	8 16	1 9	25 12	1 34	7 48	1 16	3 56	2 20	2 16	0 41	22 46	0 9	16 49	4 10	17 2	17 16	6 8			n.a.
S 28	11 28	14 41	5 7	17 41	1 52	7 56	1 13	25 14	1 33	7 44	1 16	3 53	2 21	2 15	0 41	22 46	0 9	16 49	4 10	17 2	17 15	6 5			n.a.
S 29	11 50	11 27	5 16	18 12	1 57	7 36	1 18	25 15	1 33	7 40	1 17	3 51	2 21	2 13	0 41	22 46	0 9	16 50	4 10	17 2	17 15	6 3			n.a.
M30	12 11	7 46	5 11	18 43	2 1	7 15	1 22	25 16	1 33	7 36	1 17	3 48	2 21	2 12	0 41	22 46	0 9	16 50	4 10	17 2	17 14	6 1			n.a.
T 31	12s33	3n48	4s52	19s13	2s 4	6n54	1n26	25s16	1s32	7n32	1n17	3n46	2n21	2n11	0n41	22s46	0s 9	16s51	4n 9	17s 1	17s13	5n59			n.a.

Julian Day Number = 1552220.5, Delta T = 04h30m02s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'13, Lahiri = -10°21'13 Julian Calendar 1 Oct. 464 BCE == Greg. Calendar 26 Sept. 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

NOVEMBER 464 BCE (-463) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 18 16	3♏39'15	20♍54	18♏52	17♍ 6	28♐42	14♍15	26♍ 6	26♍13	17♑16	2♐31	16°R35	17♏14	2♍55	n.a.	W 1
T 2	2 22 12	4°40'19	2♎58	20°21	18°10	29°28	14°25	26°12	26°16	17°17	2°33	16♏33	17°11	3° 2	n.a.	T 2
F 3	2 26 9	5°41'24	15°11	21°50	19°15	0♑14	14°36	26°18	26°19	17°18	2°35	16°31	17° 8	3° 9	n.a.	F 3
S 4	2 30 5	6°42'30	27°36	23°18	20°20	1° 0	14°46	26°24	26°22	17°19	2°37	16°30	17° 4	3°16	n.a.	S 4
S 5	2 34 2	7°43'38	10♏13	24°46	21°25	1°46	14°56	26°30	26°25	17°20	2°39	16°D30	17° 1	3°22	n.a.	S 5
M 6	2 37 58	8°44'46	23° 4	26°12	22°31	2°32	15° 6	26°36	26°28	17°21	2°41	16°30	16°58	3°29	n.a.	M 6
T 7	2 41 55	9°45'55	6♐ 8	27°38	23°36	3°19	15°16	26°42	26°31	17°22	2°43	16°30	16°55	3°36	n.a.	T 7
W 8	2 45 52	10°47'04	19°25	29° 3	24°42	4° 5	15°26	26°48	26°34	17°23	2°45	16°31	16°52	3°42	n.a.	W 8
T 9	2 49 48	11°48'15	2♑55	0♐26	25°49	4°51	15°36	26°53	26°37	17°24	2°47	16°31	16°49	3°49	n.a.	T 9
F 10	2 53 45	12°49'25	16°37	1°48	26°55	5°37	15°46	26°59	26°40	17°25	2°49	16°32	16°45	3°56	n.a.	F 10
S 11	2 57 41	13°50'36	0♒30	3° 8	28° 2	6°24	15°56	27° 5	26°43	17°27	2°51	16°32	16°42	4° 3	n.a.	S 11
S 12	3 1 38	14°51'48	14°33	4°26	29° 9	7°10	16° 5	27°10	26°46	17°28	2°53	16°R32	16°39	4° 9	n.a.	S 12
M13	3 5 34	15°53'00	28°45	5°42	0♎16	7°56	16°14	27°16	26°49	17°29	2°55	16°32	16°36	4°16	n.a.	M13
T 14	3 9 31	16°54'12	13♓ 3	6°54	1°23	8°42	16°24	27°21	26°51	17°30	2°57	16°D32	16°33	4°23	n.a.	T 14
W15	3 13 28	17°55'24	27°25	8° 3	2°31	9°29	16°33	27°27	26°54	17°32	2°59	16°32	16°30	4°30	n.a.	W15
T 16	3 17 24	18°56'36	11♈46	9° 8	3°39	10°15	16°42	27°32	26°57	17°33	3° 1	16°32	16°26	4°36	n.a.	T 16
F 17	3 21 21	19°57'49	26° 3	10° 9	4°47	11° 1	16°51	27°37	27° 0	17°34	3° 3	16°32	16°23	4°43	n.a.	F 17
S 18	3 25 17	20°59'02	10♉11	11° 5	5°55	11°47	17° 0	27°43	27° 2	17°36	3° 5	16°R33	16°20	4°50	n.a.	S 18
S 19	3 29 14	22° 0'16	24° 6	11°54	7° 4	12°34	17° 8	27°48	27° 5	17°37	3° 7	16°33	16°17	4°56	n.a.	S 19
M20	3 33 10	23° 1'30	7♊43	12°37	8°12	13°20	17°17	27°53	27° 7	17°39	3°10	16°32	16°14	5° 3	n.a.	M20
T 21	3 37 7	24° 2'44	21° 1	13°12	9°21	14° 6	17°26	27°58	27°10	17°40	3°12	16°31	16°10	5°10	n.a.	T 21
W22	3 41 3	25° 3'59	3♋59	13°39	10°30	14°53	17°34	28° 3	27°12	17°42	3°14	16°30	16° 7	5°17	n.a.	W22
T 23	3 45 0	26° 5'14	16°38	13°56	11°39	15°39	17°42	28° 8	27°15	17°43	3°16	16°29	16° 4	5°23	n.a.	T 23
F 24	3 48 57	27° 6'29	29° 0	14°R 3	12°49	16°25	17°50	28°12	27°17	17°45	3°18	16°28	16° 1	5°30	n.a.	F 24
S 25	3 52 53	28° 7'45	11♌ 8	13°59	13°58	17°11	17°58	28°17	27°19	17°47	3°20	16°27	15°58	5°37	n.a.	S 25
S 26	3 56 50	29° 9'01	23° 6	13°43	15° 8	17°58	18° 6	28°22	27°22	17°48	3°22	16°26	15°55	5°43	n.a.	S 26
M27	4 0 46	0♐10'18	4♍59	13°16	16°18	18°44	18°14	28°26	27°24	17°50	3°25	16°D26	15°51	5°50	n.a.	M27
T 28	4 4 43	1°11'34	16°51	12°37	17°27	19°30	18°21	28°31	27°26	17°52	3°27	16°27	15°48	5°57	n.a.	T 28
W29	4 8 39	2°12'51	28°47	11°46	18°38	20°16	18°29	28°35	27°28	17°53	3°29	16°28	15°45	6° 4	n.a.	W29
T 30	4 12 36	3♐14'08	10♎52	10♐46	19♎48	21♑ 3	18♍36	28♍40	27♍30	17♑55	3♐31	16♏29	15♏42	6♍10	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s54	0s21	4s21	19s42	2s 8	6n33	1n30	25s16	1s32	7n28	1n17	3n44	2n21	2n 9	0n41	22s46	0s 9	16s52	4n 9	17s 1	17s12	5n57		n.a.
T 2	13 15	4 31	3 38	20 10	2 11	6 11	1 34	25 16	1 32	7 24	1 17	3 41	2 21	2 8	0 41	22 46	0 9	16 52	4 9	17 0	17 11	5 55		n.a.
F 3	13 35	8 35	2 45	20 36	2 13	5 49	1 38	25 16	1 31	7 20	1 17	3 39	2 21	2 7	0 41	22 46	0 9	16 53	4 9	17 0	17 10	5 52		n.a.
S 4	13 56	12 21	1 43	21 1	2 15	5 26	1 42	25 16	1 31	7 16	1 18	3 37	2 22	2 6	0 41	22 46	0 9	16 53	4 9	16 59	17 9	5 50		n.a.
S 5	14 16	15 37	0 35	21 25	2 17	5 3	1 45	25 15	1 30	7 12	1 18	3 34	2 22	2 4	0 41	22 45	0 9	16 54	4 9	16 59	17 8	5 48		n.a.
M 6	14 36	18 12	0n36	21 48	2 19	4 40	1 49	25 13	1 30	7 8	1 18	3 32	2 22	2 3	0 42	22 45	0 9	16 54	4 9	16 59	17 7	5 46		n.a.
T 7	14 56	19 51	1 47	22 9	2 20	4 17	1 52	25 12	1 30	7 4	1 18	3 30	2 22	2 2	0 42	22 45	0 9	16 55	4 8	16 59	17 6	5 44		n.a.
W 8	15 15	20 27	2 53	22 29	2 20	3 53	1 55	25 10	1 29	7 1	1 18	3 28	2 22	2 1	0 42	22 45	0 9	16 55	4 8	16 59	17 5	5 41		n.a.
T 9	15 34	19 53	3 50	22 47	2 20	3 29	1 58	25 8	1 29	6 57	1 19	3 26	2 22	2 0	0 42	22 45	0 9	16 56	4 8	16 59	17 5	5 39		n.a.
F 10	15 53	18 9	4 35	23 3	2 19	3 5	2 0	25 6	1 28	6 53	1 19	3 23	2 23	1 59	0 42	22 45	0 9	16 56	4 8	17 0	17 4	5 37		n.a.
S 11	16 12	15 20	5 5	23 18	2 17	2 40	2 3	25 3	1 28	6 50	1 19	3 21	2 23	1 57	0 42	22 45	0 9	16 57	4 8	17 0	17 3	5 35		n.a.
S 12	16 30	11 37	5 17	23 31	2 15	2 15	2 6	25 1	1 28	6 46	1 19	3 19	2 23	1 56	0 42	22 44	0 9	16 57	4 8	17 0	17 2	5 33		n.a.
M13	16 48	7 13	5 10	23 42	2 12	1 51	2 8	24 57	1 27	6 43	1 19	3 17	2 23	1 55	0 42	22 44	0 9	16 58	4 8	17 0	17 1	5 30		n.a.
T 14	17 6	2 23	4 44	23 51	2 8	1 25	2 10	24 54	1 27	6 39	1 20	3 15	2 23	1 54	0 42	22 44	0 9	16 58	4 7	17 0	17 0	5 28		n.a.
W15	17 24	2n37	4 0	23 58	2 4	1 0	2 12	24 50	1 26	6 36	1 20	3 13	2 24	1 53	0 42	22 44	0 9	16 59	4 7	17 0	16 59	5 26		n.a.
T 16	17 41	7 29	3 1	24 3	1 58	0 34	2 14	24 46	1 26	6 32	1 20	3 11	2 24	1 52	0 42	22 44	0 9	16 59	4 7	17 0	16 58	5 24		n.a.
F 17	17 58	11 55	1 51	24 6	1 51	0 9	2 16	24 42	1 25	6 29	1 20	3 9	2 24	1 51	0 42	22 44	0 9	17 0	4 7	17 0	16 57	5 22		n.a.
S 18	18 14	15 37	0 35	24 6	1 43	0s17	2 17	24 38	1 25	6 26	1 20	3 7	2 24	1 50	0 42	22 43	0 9	17 1	4 7	17 0	16 56	5 19		n.a.
S 19	18 30	18 22	0s42	24 4	1 34	0 43	2 19	24 33	1 24	6 23	1 21	3 5	2 24	1 49	0 42	22 43	0 9	17 1	4 7	17 0	16 55	5 17		n.a.
M20	18 46	20 0	1 55	23 59	1 24	1 9	2 20	24 28	1 24	6 19	1 21	3 4	2 25	1 48	0 42	22 43	0 9	17 2	4 7	17 0	16 54	5 15		n.a.
T 21	19 2	20 27	3 0	23 53	1 12	1 36	2 21	24 22	1 23	6 16	1 21	3 2	2 25	1 47	0 42	22 43	0 9	17 2	4 7	17 0	16 53	5 13		n.a.
W22	19 17	19 48	3 54	23 43	1 0	2 2	2 22	24 17	1 23	6 13	1 21	3 0	2 25	1 46	0 42	22 43	0 9	17 3	4 6	16 59	16 53	5 11		n.a.
T 23	19 32	18 9	4 35	23 31	0 45	2 28	2 23	24 11	1 22	6 10	1 21	2 58	2 25	1 45	0 42	22 42	0 9	17 3	4 6	16 59	16 52	5 9		n.a.
F 24	19 46	15 42	5 2	23 16	0 30	2 55	2 24	24 5	1 22	6 7	1 22	2 56	2 25	1 44	0 42	22 42	0 9	17 4	4 6	16 59	16 51	5 6		n.a.
S 25	20 0	12 36	5 15	22 59	0 13	3 21	2 25	23 58	1 21	6 4	1 22	2 55	2 26	1 43	0 42	22 42	0 9	17 4	4 6	16 58	16 50	5 4		n.a.
S 26	20 14	9 3	5 14	22 39	0n 5	3 48	2 25	23 52	1 21	6 1	1 22	2 53	2 26	1 42	0 42	22 42	0 9	17 5	4 6	16 58	16 49	5 2		n.a.
M27	20 27	5 9	5 0	22 17	0 24	4 15	2 26	23 45	1 20	5 58	1 22	2 51	2 26	1 41	0 42	22 42	0 9	17 5	4 6	16 58	16 48	5 0		n.a.
T 28	20 40	1 4	4 33	21 53	0 44	4 41	2 26	23 38	1 20	5 56	1 23	2 50	2 26	1 40	0 42	22 41	0 9	17 6	4 6	16 58	16 47	4 58		n.a.
W29	20 52	3s 5	3 54	21 26	1 4	5 8	2 27	23 30	1 19	5 53	1 23	2 48	2 27	1 40	0 42	22 41	0 9	17 6	4 6	16 59	16 46	4 55		n.a.
T 30	21s 5	7s11	3s 5	20s58	1n24	5s35	2n27	23s22	1s19	5n50	1n23	2n47	2n27	1n39	0n42	22s41	0s 9	17s 7	4n 6	16s59	16s45	4n53		n.a.

Julian Day Number = 1552251.5, Delta T = 04h30m01s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'09, Lahiri = -10°21'09 Julian Calendar 1 Nov. 464 BCE == Greg. Calendar 27 Oct. 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 464 BCE
geocentric

DECEMBER 464 BCE (-463) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 16 32	4♐15'26	23♎10	9°R37	20♎58	21♑49	18♍43	28♍44	27♍32	17♑57	3♐33	16♏31	15♏39	6♍17	n.a.	F 1
S 2	4 20 29	5°16'43	5♏44	8♐21	22° 8	22°35	18°50	28°48	27°34	17°59	3°35	16°32	15°36	6°24	n.a.	S 2
S 3	4 24 26	6°18'00	18°36	7° 2	23°19	23°21	18°57	28°52	27°36	18° 0	3°37	16°R32	15°32	6°30	n.a.	S 3
M 4	4 28 22	7°19'18	1♐46	5°41	24°30	24° 8	19° 4	28°56	27°38	18° 2	3°40	16°31	15°29	6°37	n.a.	M 4
T 5	4 32 19	8°20'35	15°16	4°21	25°41	24°54	19°10	29° 0	27°40	18° 4	3°42	16°30	15°26	6°44	n.a.	T 5
W 6	4 36 15	9°21'52	29° 1	3° 6	26°51	25°40	19°17	29° 4	27°42	18° 6	3°44	16°27	15°23	6°51	n.a.	W 6
T 7	4 40 12	10°23'08	12♑59	1°55	28° 2	26°26	19°23	29° 8	27°44	18° 8	3°46	16°23	15°20	6°57	n.a.	T 7
F 8	4 44 8	11°24'24	27° 7	0°53	29°14	27°12	19°29	29°11	27°45	18°10	3°48	16°19	15°16	7° 4	n.a.	F 8
S 9	4 48 5	12°25'39	11♒20	29♏59	0♏25	27°59	19°35	29°15	27°47	18°12	3°50	16°16	15°13	7°11	n.a.	S 9
S 10	4 52 2	13°26'53	25°34	29°14	1°36	28°45	19°41	29°18	27°49	18°13	3°52	16°14	15°10	7°17	n.a.	S 10
M11	4 55 58	14°28'07	9♓47	28°39	2°47	29°31	19°47	29°22	27°50	18°15	3°55	16°D13	15° 7	7°24	n.a.	M11
T 12	4 59 55	15°29'19	23°55	28°14	3°59	0♒17	19°52	29°25	27°52	18°17	3°57	16°13	15° 4	7°31	n.a.	T 12
W13	5 3 51	16°30'31	7♈58	27°59	5°10	1° 3	19°58	29°28	27°53	18°19	3°59	16°14	15° 1	7°38	n.a.	W13
T 14	5 7 48	17°31'42	21°54	27°D52	6°22	1°49	20° 3	29°32	27°54	18°21	4° 1	16°16	14°57	7°44	n.a.	T 14
F 15	5 11 44	18°32'52	5♉42	27°55	7°34	2°35	20° 8	29°35	27°56	18°23	4° 3	16°17	14°54	7°51	n.a.	F 15
S 16	5 15 41	19°34'01	19°20	28° 5	8°45	3°21	20°13	29°38	27°57	18°25	4° 5	16°R17	14°51	7°58	n.a.	S 16
S 17	5 19 37	20°35'09	2♊49	28°22	9°57	4° 7	20°17	29°40	27°58	18°28	4° 7	16°16	14°48	8° 4	n.a.	S 17
M18	5 23 34	21°36'17	16° 4	28°47	11° 9	4°53	20°22	29°43	27°59	18°30	4° 9	16°13	14°45	8°11	n.a.	M18
T 19	5 27 31	22°37'23	29° 7	29°17	12°21	5°39	20°26	29°46	28° 1	18°32	4°11	16° 8	14°42	8°18	n.a.	T 19
W20	5 31 27	23°38'29	11♋55	29°53	13°33	6°25	20°30	29°48	28° 2	18°34	4°13	16° 2	14°38	8°25	n.a.	W20
T 21	5 35 24	24°39'34	24°29	0♐34	14°45	7°11	20°34	29°51	28° 3	18°36	4°15	15°55	14°35	8°31	n.a.	T 21
F 22	5 39 20	25°40'38	6♌48	1°19	15°57	7°57	20°38	29°53	28° 4	18°38	4°17	15°47	14°32	8°38	n.a.	F 22
S 23	5 43 17	26°41'41	18°56	2° 9	17° 9	8°42	20°42	29°56	28° 4	18°40	4°19	15°41	14°29	8°45	n.a.	S 23
S 24	5 47 13	27°42'44	0♍54	3° 2	18°22	9°28	20°45	29°58	28° 5	18°42	4°21	15°35	14°26	8°51	n.a.	S 24
M25	5 51 10	28°43'46	12°46	3°59	19°34	10°14	20°49	29°59	28° 6	18°44	4°23	15°32	14°22	8°58	n.a.	M25
T 26	5 55 6	29°44'47	24°37	4°59	20°46	11° 0	20°52	0♎ 2	28° 7	18°47	4°25	15°D30	14°19	9° 5	n.a.	T 26
W27	5 59 3	0♑45'47	6♎32	6° 1	21°59	11°45	20°55	0° 4	28° 8	18°49	4°27	15°30	14°16	9°12	n.a.	W27
T 28	6 3 0	1°46'46	18°35	7° 6	23°11	12°31	20°57	0° 5	28° 8	18°51	4°29	15°31	14°13	9°18	n.a.	T 28
F 29	6 6 56	2°47'44	0♏52	8°14	24°24	13°17	21° 0	0° 7	28° 9	18°53	4°31	15°33	14°10	9°25	n.a.	F 29
S 30	6 10 53	3°48'42	13°28	9°23	25°36	14° 2	21° 2	0° 9	28° 9	18°55	4°33	15°R33	14° 7	9°32	n.a.	S 30
S 31	6 14 49	4♑49'38	26♏26	10♐34	26♏49	14♒48	21♍ 5	0♎10	28♍10	18♑58	4♐35	15♏33	14♏ 3	9♍38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s16	11s 3	2s 6	20s29	1n43	6s 1	2n27	23s14	1s18	5n48	1n23	2n45	2n27	1n38	0n42	22s41	0s 9	17s 7	4n 5	16s59	16s44	4n51		n.a.
S 2	21 28	14 32	0 59	19 59	2 2	6 28	2 26	23 6	1 18	5 45	1 24	2 44	2 27	1 37	0 42	22 40	0 9	17 8	4 5	17 0	16 43	4 49		n.a.
S 3	21 38	17 24	0n11	19 29	2 19	6 55	2 26	22 58	1 17	5 43	1 24	2 42	2 27	1 37	0 42	22 40	0 9	17 8	4 5	17 0	16 42	4 47		n.a.
M 4	21 49	19 26	1 23	19 0	2 34	7 21	2 26	22 49	1 16	5 40	1 24	2 41	2 28	1 36	0 42	22 40	0 9	17 9	4 5	17 0	16 41	4 44		n.a.
T 5	21 59	20 25	2 32	18 33	2 47	7 48	2 25	22 40	1 16	5 38	1 24	2 40	2 28	1 35	0 42	22 40	0 9	17 9	4 5	16 59	16 40	4 42		n.a.
W 6	22 8	20 12	3 33	18 8	2 58	8 14	2 25	22 31	1 15	5 35	1 25	2 38	2 28	1 34	0 42	22 40	0 9	17 10	4 5	16 58	16 39	4 40		n.a.
T 7	22 18	18 45	4 22	17 46	3 7	8 40	2 24	22 22	1 15	5 33	1 25	2 37	2 28	1 34	0 42	22 39	0 9	17 10	4 5	16 57	16 39	4 38		n.a.
F 8	22 26	16 10	4 56	17 27	3 13	9 6	2 24	22 12	1 14	5 31	1 25	2 36	2 29	1 33	0 42	22 39	0 9	17 11	4 5	16 56	16 38	4 36		n.a.
S 9	22 35	12 36	5 12	17 13	3 16	9 32	2 23	22 2	1 14	5 29	1 25	2 34	2 29	1 32	0 42	22 39	0 9	17 11	4 5	16 55	16 37	4 34		n.a.
S 10	22 43	8 18	5 10	17 2	3 18	9 58	2 22	21 52	1 13	5 27	1 26	2 33	2 29	1 32	0 42	22 39	0 9	17 12	4 5	16 54	16 36	4 31		n.a.
M11	22 50	3 34	4 48	16 54	3 18	10 24	2 21	21 42	1 12	5 25	1 26	2 32	2 29	1 31	0 43	22 38	0 9	17 12	4 5	16 54	16 35	4 29		n.a.
T 12	22 57	1n21	4 8	16 51	3 16	10 49	2 19	21 31	1 12	5 23	1 26	2 31	2 30	1 31	0 43	22 38	0 9	17 12	4 5	16 54	16 34	4 27		n.a.
W13	23 3	6 10	3 15	16 51	3 12	11 15	2 18	21 20	1 11	5 21	1 27	2 30	2 30	1 30	0 43	22 38	0 9	17 13	4 4	16 54	16 33	4 25		n.a.
T 14	23 9	10 38	2 10	16 54	3 7	11 40	2 17	21 10	1 11	5 19	1 27	2 29	2 30	1 30	0 43	22 37	0 9	17 13	4 4	16 55	16 32	4 23		n.a.
F 15	23 15	14 30	0 58	17 0	3 2	12 5	2 15	20 58	1 10	5 17	1 27	2 28	2 30	1 29	0 43	22 37	0 9	17 14	4 4	16 55	16 31	4 20		n.a.
S 16	23 20	17 31	0s17	17 9	2 55	12 29	2 14	20 47	1 9	5 16	1 27	2 27	2 31	1 29	0 43	22 37	0 9	17 14	4 4	16 55	16 30	4 18		n.a.
S 17	23 25	19 32	1 29	17 20	2 48	12 54	2 12	20 35	1 9	5 14	1 28	2 26	2 31	1 28	0 43	22 37	0 9	17 15	4 4	16 55	16 29	4 16		n.a.
M18	23 29	20 26	2 35	17 33	2 40	13 18	2 11	20 24	1 8	5 13	1 28	2 25	2 31	1 28	0 43	22 36	0 9	17 15	4 4	16 54	16 28	4 14		n.a.
T 19	23 32	20 13	3 32	17 48	2 31	13 42	2 9	20 12	1 8	5 11	1 28	2 24	2 32	1 27	0 43	22 36	0 9	17 16	4 4	16 53	16 27	4 12		n.a.
W20	23 36	18 56	4 17	18 4	2 23	14 5	2 7	19 59	1 7	5 10	1 28	2 24	2 32	1 27	0 43	22 36	0 9	17 16	4 4	16 51	16 26	4 10		n.a.
T 21	23 38	16 46	4 48	18 21	2 14	14 29	2 5	19 47	1 6	5 8	1 29	2 23	2 32	1 27	0 43	22 36	0 9	17 16	4 4	16 49	16 25	4 7		n.a.
F 22	23 41	13 53	5 6	18 40	2 4	14 52	2 3	19 34	1 6	5 7	1 29	2 22	2 32	1 26	0 43	22 35	0 9	17 17	4 4	16 47	16 24	4 5		n.a.
S 23	23 42	10 27	5 9	18 59	1 55	15 14	2 1	19 22	1 5	5 6	1 29	2 21	2 33	1 26	0 43	22 35	0 9	17 17	4 4	16 45	16 23	4 3		n.a.
S 24	23 44	6 39	4 59	19 19	1 46	15 37	1 59	19 9	1 4	5 5	1 30	2 21	2 33	1 26	0 43	22 35	0 9	17 18	4 4	16 43	16 22	4 1		n.a.
M25	23 45	2 37	4 35	19 39	1 36	15 59	1 57	18 56	1 4	5 4	1 30	2 20	2 33	1 25	0 43	22 34	0 9	17 18	4 4	16 42	16 22	3 59		n.a.
T 26	23 45	1s31	4 1	19 59	1 27	16 20	1 55	18 42	1 3	5 3	1 30	2 20	2 33	1 25	0 43	22 34	0 9	17 19	4 4	16 42	16 21	3 56		n.a.
W27	23 45	5 36	3 15	20 19	1 17	16 41	1 52	18 29	1 2	5 2	1 30	2 19	2 34	1 25	0 43	22 34	0 9	17 19	4 4	16 42	16 20	3 54		n.a.
T 28	23 44	9 32	2 21	20 40	1 8	17 2	1 50	18 15	1 2	5 1	1 31	2 19	2 34	1 25	0 43	22 33	0 9	17 19	4 4	16 42	16 19	3 52		n.a.
F 29	23 43	13 9	1 19	21 0	0 59	17 23	1 48	18 2	1 1	5 0	1 31	2 18	2 34	1 24	0 43	22 33	0 9	17 20	4 4	16 42	16 18	3 50		n.a.
S 30	23 42	16 16	0 11	21 20	0 49	17 43	1 45	17 48	1 1	4 59	1 31	2 18	2 35	1 24	0 43	22 33	0 9	17 20	4 4	16 43	16 17	3 48		n.a.
S 31	23s40	18s40	0n58	21s39	0n40	18s 2	1n43	17s33	1s 0	4n59	1n32	2n18	2n35	1n24	0n43	22s33	0s 9	17s20	4n 4	16s42	16s16	3n46		n.a.

Julian Day Number = 1552281.5, Delta T = 04h30m00s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'05, Lahiri = -10°21'05 Julian Calendar 1 Dec. 464 BCE == Greg. Calendar 26 Nov. 464 BCE

The year -463 astronomical counting style corresponds to year 464 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

JANUARY 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 18 46	5♑50'34	9♐48	11♐47	28♏ 2	15♒34	21♍ 7	0♎12	28♍10	19♑ 0	4♐37	15°R30	14♏ 0	9♍45	n.a.	M 1
T 2	6 22 42	6°51'28	23°35	13° 2	29°14	16°19	21° 9	0°13	28°10	19° 2	4°39	15♏25	13°57	9°52	n.a.	T 2
W 3	6 26 39	7°52'21	7♑45	14°19	0♐27	17° 5	21°10	0°14	28°11	19° 4	4°41	15°18	13°54	9°58	n.a.	W 3
T 4	6 30 35	8°53'13	22°12	15°36	1°40	17°50	21°12	0°15	28°11	19° 7	4°43	15° 9	13°51	10° 5	n.a.	T 4
F 5	6 34 32	9°54'03	6♒50	16°56	2°53	18°36	21°13	0°16	28°11	19° 9	4°45	15° 0	13°48	10°12	n.a.	F 5
S 6	6 38 29	10°54'52	21°31	18°16	4° 6	19°21	21°14	0°17	28°11	19°11	4°46	14°52	13°44	10°19	n.a.	S 6
S 7	6 42 25	11°55'39	6♓ 8	19°38	5°18	20° 6	21°15	0°18	28°11	19°13	4°48	14°45	13°41	10°25	n.a.	S 7
M 8	6 46 22	12°56'24	20°35	21° 0	6°31	20°52	21°16	0°18	28°R11	19°16	4°50	14°40	13°38	10°32	n.a.	M 8
T 9	6 50 18	13°57'07	4♈49	22°24	7°44	21°37	21°16	0°19	28°11	19°18	4°52	14°38	13°35	10°39	n.a.	T 9
W10	6 54 15	14°57'49	18°48	23°49	8°57	22°22	21°16	0°19	28°11	19°20	4°53	14°D38	13°32	10°45	n.a.	W10
T 11	6 58 11	15°58'28	2♉31	25°15	10°10	23° 8	21°R17	0°20	28°11	19°22	4°55	14°38	13°28	10°52	n.a.	T 11
F 12	7 2 8	16°59'06	16° 0	26°42	11°23	23°53	21°17	0°20	28°11	19°25	4°57	14°R39	13°25	10°59	n.a.	F 12
S 13	7 6 4	17°59'42	29°16	28°10	12°36	24°38	21°16	0°20	28°10	19°27	4°59	14°38	13°22	11° 6	n.a.	S 13
S 14	7 10 1	19° 0'16	12♊20	29°39	13°49	25°23	21°16	0°R20	28°10	19°29	5° 0	14°34	13°19	11°12	n.a.	S 14
M15	7 13 58	20° 0'48	25°13	1♋ 9	15° 2	26° 8	21°15	0°20	28°10	19°32	5° 2	14°28	13°16	11°19	n.a.	M15
T 16	7 17 54	21° 1'19	7♋55	2°40	16°15	26°53	21°14	0°20	28° 9	19°34	5° 4	14°19	13°13	11°26	n.a.	T 16
W17	7 21 51	22° 1'47	20°27	4°12	17°28	27°38	21°13	0°20	28° 9	19°36	5° 5	14° 8	13° 9	11°32	n.a.	W17
T 18	7 25 47	23° 2'14	2♌49	5°45	18°41	28°23	21°12	0°19	28° 8	19°38	5° 7	13°55	13° 6	11°39	n.a.	T 18
F 19	7 29 44	24° 2'40	15° 1	7°19	19°54	29° 8	21°11	0°19	28° 8	19°41	5° 8	13°42	13° 3	11°46	n.a.	F 19
S 20	7 33 40	25° 3'03	27° 4	8°54	21° 8	29°53	21° 9	0°18	28° 7	19°43	5°10	13°29	13° 0	11°53	n.a.	S 20
S 21	7 37 37	26° 3'25	9♍ 0	10°29	22°21	0♓38	21° 8	0°18	28° 6	19°45	5°11	13°19	12°57	11°59	n.a.	S 21
M22	7 41 34	27° 3'45	20°51	12° 6	23°34	1°22	21° 6	0°17	28° 6	19°47	5°13	13°11	12°54	12° 6	n.a.	M22
T 23	7 45 30	28° 4'03	2♎40	13°44	24°47	2° 7	21° 3	0°16	28° 5	19°50	5°14	13° 5	12°50	12°13	n.a.	T 23
W24	7 49 27	29° 4'20	14°33	15°22	26° 0	2°52	21° 1	0°15	28° 4	19°52	5°16	13° 2	12°47	12°19	n.a.	W24
T 25	7 53 23	0♒ 4'35	26°33	17° 2	27°14	3°37	20°59	0°14	28° 3	19°54	5°17	13°D 1	12°44	12°26	n.a.	T 25
F 26	7 57 20	1° 4'49	8♏47	18°42	28°27	4°21	20°56	0°13	28° 2	19°56	5°19	13°R 1	12°41	12°33	n.a.	F 26
S 27	8 1 16	2° 5'01	21°19	20°24	29°40	5° 6	20°53	0°11	28° 1	19°59	5°20	13° 1	12°38	12°39	n.a.	S 27
S 28	8 5 13	3° 5'11	4♐15	22° 7	0♑53	5°50	20°50	0°10	28° 0	20° 1	5°21	13° 0	12°34	12°46	n.a.	S 28
M29	8 9 9	4° 5'20	17°38	23°50	2° 7	6°35	20°47	0° 9	27°59	20° 3	5°23	12°56	12°31	12°53	n.a.	M29
T 30	8 13 6	5° 5'27	1♑30	25°35	3°20	7°19	20°43	0° 7	27°58	20° 5	5°24	12°49	12°28	13° 0	n.a.	T 30
W31	8 17 2	6♒ 5'32	15♑50	27♑21	4♑33	8♓ 4	20♍40	0♎ 5	27♍57	20♑ 8	5♐25	12♏40	12♏25	13♍ 6	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s37	20s 7	2n 7	21s58	0n32	18s21	1n40	17s19	0s59	4n58	1n32	2n17	2n35	1n24	0n43	22s32	0s 9	17s21	4n 3	16s42	16s15	3n43		n.a.
T 2	23 34	20 26	3 10	22 17	0 23	18 40	1 37	17 5	0 59	4 58	1 32	2 17	2 35	1 24	0 43	22 32	0 9	17 21	4 3	16 40	16 14	3 41		n.a.
W 3	23 31	19 29	4 3	22 35	0 14	18 58	1 35	16 50	0 58	4 57	1 32	2 17	2 36	1 24	0 43	22 32	0 9	17 22	4 3	16 38	16 13	3 39		n.a.
T 4	23 27	17 16	4 41	22 52	0 6	19 16	1 32	16 35	0 57	4 57	1 33	2 17	2 36	1 24	0 43	22 31	0 9	17 22	4 3	16 35	16 12	3 37		n.a.
F 5	23 22	13 56	5 2	23 8	0s 3	19 33	1 29	16 21	0 57	4 57	1 33	2 16	2 36	1 24	0 43	22 31	0 9	17 22	4 3	16 33	16 11	3 35		n.a.
S 6	23 18	9 44	5 3	23 24	0 11	19 49	1 27	16 6	0 56	4 57	1 33	2 16	2 36	1 24	0 43	22 31	0 9	17 23	4 3	16 30	16 10	3 33		n.a.
S 7	23 12	4 59	4 44	23 39	0 18	20 5	1 24	15 50	0 55	4 57	1 34	2 16	2 37	1 24	0 43	22 30	0 9	17 23	4 3	16 28	16 9	3 30		n.a.
M 8	23 7	0n 1	4 8	23 52	0 26	20 21	1 21	15 35	0 55	4 57	1 34	2 16	2 37	1 24	0 44	22 30	0 9	17 23	4 3	16 27	16 8	3 28		n.a.
T 9	23 0	4 56	3 16	24 5	0 33	20 36	1 18	15 20	0 54	4 57	1 34	2 16	2 37	1 24	0 44	22 30	0 9	17 24	4 3	16 26	16 7	3 26		n.a.
W10	22 54	9 31	2 14	24 17	0 41	20 51	1 15	15 4	0 53	4 57	1 35	2 16	2 38	1 24	0 44	22 29	0 9	17 24	4 3	16 26	16 6	3 24		n.a.
T 11	22 47	13 31	1 4	24 27	0 48	21 4	1 12	14 49	0 53	4 57	1 35	2 17	2 38	1 24	0 44	22 29	0 9	17 24	4 3	16 26	16 5	3 22		n.a.
F 12	22 39	16 43	0s 7	24 37	0 54	21 18	1 9	14 33	0 52	4 57	1 35	2 17	2 38	1 24	0 44	22 29	0 9	17 25	4 3	16 26	16 4	3 19		n.a.
S 13	22 31	19 0	1 17	24 45	1 1	21 30	1 6	14 17	0 51	4 58	1 35	2 17	2 38	1 24	0 44	22 29	0 10	17 25	4 3	16 26	16 3	3 17		n.a.
S 14	22 23	20 13	2 22	24 52	1 7	21 43	1 3	14 1	0 50	4 58	1 36	2 17	2 39	1 24	0 44	22 28	0 10	17 25	4 3	16 25	16 2	3 15		n.a.
M15	22 14	20 22	3 18	24 58	1 13	21 54	1 0	13 45	0 50	4 59	1 36	2 17	2 39	1 24	0 44	22 28	0 10	17 26	4 3	16 23	16 1	3 13		n.a.
T 16	22 5	19 27	4 4	25 2	1 19	22 5	0 57	13 29	0 49	4 59	1 36	2 18	2 39	1 25	0 44	22 28	0 10	17 26	4 3	16 21	16 0	3 11		n.a.
W17	21 55	17 37	4 37	25 5	1 24	22 15	0 54	13 12	0 48	5 0	1 37	2 18	2 40	1 25	0 44	22 27	0 10	17 26	4 3	16 17	15 59	3 9		n.a.
T 18	21 45	14 59	4 56	25 6	1 29	22 25	0 51	12 56	0 48	5 1	1 37	2 18	2 40	1 25	0 44	22 27	0 10	17 26	4 3	16 13	15 58	3 6		n.a.
F 19	21 35	11 44	5 1	25 6	1 34	22 34	0 48	12 39	0 47	5 1	1 37	2 19	2 40	1 25	0 44	22 27	0 10	17 27	4 3	16 9	15 57	3 4		n.a.
S 20	21 24	8 4	4 53	25 5	1 38	22 42	0 45	12 23	0 46	5 2	1 37	2 19	2 40	1 26	0 44	22 26	0 10	17 27	4 3	16 6	15 56	3 2		n.a.
S 21	21 13	4 6	4 32	25 2	1 42	22 50	0 42	12 6	0 46	5 3	1 38	2 20	2 41	1 26	0 44	22 26	0 10	17 27	4 3	16 2	15 56	3 0		n.a.
M22	21 1	0 1	4 0	24 57	1 46	22 57	0 39	11 49	0 45	5 4	1 38	2 20	2 41	1 26	0 44	22 26	0 10	17 28	4 3	16 0	15 55	2 58		n.a.
T 23	20 49	4s 4	3 17	24 51	1 50	23 3	0 35	11 33	0 44	5 5	1 38	2 21	2 41	1 27	0 44	22 25	0 10	17 28	4 3	15 58	15 54	2 56		n.a.
W24	20 37	8 2	2 25	24 43	1 53	23 9	0 32	11 16	0 44	5 7	1 39	2 22	2 41	1 27	0 44	22 25	0 10	17 28	4 3	15 57	15 53	2 53		n.a.
T 25	20 24	11 43	1 26	24 33	1 55	23 14	0 29	10 59	0 43	5 8	1 39	2 22	2 42	1 27	0 44	22 25	0 10	17 28	4 3	15 57	15 52	2 51		n.a.
F 26	20 11	14 58	0 22	24 22	1 58	23 18	0 26	10 42	0 42	5 9	1 39	2 23	2 42	1 28	0 44	22 24	0 10	17 29	4 3	15 57	15 51	2 49		n.a.
S 27	19 57	17 37	0n44	24 9	2 0	23 22	0 23	10 24	0 42	5 11	1 39	2 24	2 42	1 28	0 44	22 24	0 10	17 29	4 3	15 57	15 50	2 47		n.a.
S 28	19 43	19 28	1 50	23 54	2 1	23 25	0 20	10 7	0 41	5 12	1 40	2 25	2 42	1 29	0 44	22 24	0 10	17 29	4 3	15 56	15 49	2 45		n.a.
M29	19 29	20 19	2 52	23 38	2 3	23 27	0 17	9 50	0 40	5 14	1 40	2 25	2 43	1 29	0 44	22 23	0 10	17 29	4 3	15 55	15 48	2 43		n.a.
T 30	19 14	19 58	3 46	23 19	2 3	23 29	0 14	9 33	0 39	5 15	1 40	2 26	2 43	1 30	0 44	22 23	0 10	17 29	4 3	15 53	15 47	2 40		n.a.
W31	19s 0	18s21	4n28	22s59	2s 4	23s29	0n11	9s15	0s39	5n17	1n40	2n27	2n43	1n30	0n44	22s23	0s10	17s30	4n 3	15s50	15s46	2n38		n.a.

Julian Day Number = 1552312.5, Delta T = 04h29m58s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°28'01, Lahiri = -10°21'00 Julian Calendar 1 Jan. 463 BCE == Greg. Calendar 27 Dec. 464 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

FEBRUARY 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 20 59	7♒ 5'35	0♒34	29♉ 8	5♉47	8♓48	20°R36	0°R 4	27°R55	20♉10	5♐26	12°R29	12♏22	13♍13	n.a.	T 1
F 2	8 24 56	8° 5'36	15°34	0♒56	7° 0	9°32	20♍32	0♎ 2	27♍54	20°12	5°28	12♏17	12°19	13°20	n.a.	F 2
S 3	8 28 52	9° 5'36	0♓40	2°45	8°13	10°17	20°28	29♍59	27°53	20°14	5°29	12° 6	12°15	13°26	n.a.	S 3
S 4	8 32 49	10° 5'32	15°42	4°35	9°27	11° 1	20°24	29°58	27°51	20°16	5°30	11°57	12°12	13°33	n.a.	S 4
M 5	8 36 45	11° 5'27	0♈31	6°27	10°40	11°45	20°19	29°56	27°50	20°19	5°31	11°50	12° 9	13°40	n.a.	M 5
T 6	8 40 42	12° 5'19	15° 1	8°19	11°53	12°29	20°15	29°53	27°48	20°21	5°32	11°46	12° 6	13°47	n.a.	T 6
W 7	8 44 38	13° 5'09	29° 8	10°13	13° 7	13°13	20°10	29°51	27°47	20°23	5°33	11°45	12° 3	13°53	n.a.	W 7
T 8	8 48 35	14° 4'57	12♉53	12° 7	14°20	13°58	20° 5	29°49	27°45	20°25	5°34	11°45	12° 0	14° 0	n.a.	T 8
F 9	8 52 31	15° 4'42	26°17	14° 3	15°33	14°42	20° 0	29°46	27°44	20°27	5°35	11°44	11°56	14° 7	n.a.	F 9
S 10	8 56 28	16° 4'25	9♊22	15°59	16°47	15°25	19°55	29°44	27°42	20°29	5°36	11°43	11°53	14°13	n.a.	S 10
S 11	9 0 25	17° 4'05	22°12	17°57	18° 0	16° 9	19°50	29°41	27°40	20°31	5°37	11°39	11°50	14°20	n.a.	S 11
M12	9 4 21	18° 3'43	4♋48	19°55	19°13	16°53	19°44	29°38	27°39	20°33	5°38	11°32	11°47	14°27	n.a.	M12
T 13	9 8 18	19° 3'19	17°14	21°54	20°27	17°37	19°39	29°35	27°37	20°35	5°39	11°23	11°44	14°33	n.a.	T 13
W14	9 12 14	20° 2'53	29°31	23°54	21°40	18°21	19°33	29°32	27°35	20°37	5°40	11°11	11°40	14°40	n.a.	W14
T 15	9 16 11	21° 2'24	11♌40	25°54	22°53	19° 5	19°27	29°30	27°33	20°40	5°41	10°57	11°37	14°47	n.a.	T 15
F 16	9 20 7	22° 1'53	23°42	27°54	24° 7	19°48	19°21	29°26	27°31	20°42	5°42	10°43	11°34	14°54	n.a.	F 16
S 17	9 24 4	23° 1'20	5♍39	29°55	25°20	20°32	19°15	29°23	27°29	20°44	5°42	10°30	11°31	15° 0	n.a.	S 17
S 18	9 28 0	24° 0'44	17°31	1♓55	26°34	21°16	19° 9	29°20	27°27	20°46	5°43	10°18	11°28	15° 7	n.a.	S 18
M19	9 31 57	25° 0'07	29°21	3°55	27°47	21°59	19° 2	29°17	27°25	20°47	5°44	10° 9	11°25	15°14	n.a.	M19
T 20	9 35 53	25°59'28	11♎11	5°54	29° 0	22°43	18°56	29°14	27°23	20°49	5°45	10° 2	11°21	15°20	n.a.	T 20
W21	9 39 50	26°58'46	23° 4	7°52	0♒14	23°26	18°49	29°10	27°21	20°51	5°45	9°59	11°18	15°27	n.a.	W21
T 22	9 43 47	27°58'03	5♏ 5	9°48	1°27	24° 9	18°43	29° 7	27°19	20°53	5°46	9°D58	11°15	15°34	n.a.	T 22
F 23	9 47 43	28°57'18	17°17	11°43	2°41	24°53	18°36	29° 3	27°17	20°55	5°47	9°58	11°12	15°40	n.a.	F 23
S 24	9 51 40	29°56'31	29°46	13°36	3°54	25°36	18°29	29° 0	27°15	20°57	5°47	9°R58	11° 9	15°47	n.a.	S 24
S 25	9 55 36	0♓55'42	12♐37	15°25	5° 8	26°19	18°22	28°56	27°13	20°59	5°48	9°57	11° 5	15°54	n.a.	S 25
M26	9 59 33	1°54'51	25°55	17°12	6°21	27° 3	18°15	28°52	27°11	21° 1	5°48	9°55	11° 2	16° 1	n.a.	M26
T 27	10 3 29	2°53'59	9♑42	18°56	7°34	27°46	18° 8	28°48	27° 8	21° 3	5°49	9°50	10°59	16° 7	n.a.	T 27
W28	10 7 26	3♓53'04	23♑58	20♓35	8♒48	28♓29	18♍ 1	28♍45	27♍ 6	21♑ 4	5♐49	9♏43	10♏56	16♍14	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s44	15s30	4n54	22s37	2s 4	23s29	0n 8	8s58	0s38	5n19	1n41	2n28	2n43	1n31	0n44	22s22	0s10	17s30	4n 3	15s47	15s45	2n36		n.a.
F 2	18 29	11 36	5 0	22 12	2 3	23 29	0 5	8 40	0 37	5 20	1 41	2 29	2 44	1 31	0 44	22 22	0 10	17 30	4 3	15 43	15 44	2 34		n.a.
S 3	18 13	6 57	4 45	21 46	2 2	23 28	0 2	8 23	0 37	5 22	1 41	2 30	2 44	1 32	0 44	22 22	0 10	17 30	4 3	15 40	15 43	2 32		n.a.
S 4	17 57	1 52	4 10	21 18	2 0	23 26	0s 1	8 5	0 36	5 24	1 41	2 31	2 44	1 32	0 44	22 21	0 10	17 30	4 3	15 37	15 42	2 30		n.a.
M 5	17 40	3n15	3 19	20 49	1 58	23 23	0 4	7 47	0 35	5 26	1 42	2 32	2 44	1 33	0 44	22 21	0 10	17 31	4 3	15 35	15 41	2 27		n.a.
T 6	17 23	8 5	2 16	20 17	1 56	23 20	0 7	7 30	0 35	5 28	1 42	2 33	2 45	1 34	0 44	22 21	0 10	17 31	4 3	15 34	15 40	2 25		n.a.
W 7	17 6	12 20	1 6	19 43	1 52	23 15	0 10	7 12	0 34	5 30	1 42	2 35	2 45	1 34	0 44	22 21	0 10	17 31	4 3	15 33	15 39	2 23		n.a.
T 8	16 49	15 49	0s 6	19 7	1 49	23 11	0 13	6 54	0 33	5 32	1 42	2 36	2 45	1 35	0 44	22 20	0 10	17 31	4 3	15 33	15 38	2 21		n.a.
F 9	16 31	18 20	1 16	18 30	1 45	23 5	0 15	6 36	0 33	5 35	1 42	2 37	2 45	1 36	0 45	22 20	0 10	17 31	4 3	15 33	15 37	2 19		n.a.
S 10	16 13	19 50	2 20	17 50	1 40	22 59	0 18	6 18	0 32	5 37	1 43	2 38	2 46	1 36	0 45	22 20	0 10	17 31	4 3	15 33	15 36	2 17		n.a.
S 11	15 55	20 15	3 16	17 9	1 34	22 52	0 21	6 0	0 31	5 39	1 43	2 39	2 46	1 37	0 45	22 19	0 10	17 32	4 3	15 32	15 35	2 15		n.a.
M12	15 37	19 38	4 1	16 25	1 28	22 45	0 24	5 43	0 31	5 41	1 43	2 41	2 46	1 38	0 45	22 19	0 10	17 32	4 3	15 29	15 34	2 12		n.a.
T 13	15 18	18 5	4 34	15 40	1 22	22 36	0 26	5 25	0 30	5 44	1 43	2 42	2 46	1 39	0 45	22 19	0 10	17 32	4 3	15 26	15 33	2 10		n.a.
W14	14 59	15 44	4 54	14 54	1 14	22 27	0 29	5 7	0 29	5 46	1 43	2 43	2 46	1 39	0 45	22 18	0 10	17 32	4 3	15 23	15 32	2 8		n.a.
T 15	14 40	12 42	5 0	14 6	1 7	22 18	0 32	4 49	0 28	5 49	1 44	2 45	2 47	1 40	0 45	22 18	0 10	17 32	4 4	15 18	15 31	2 6		n.a.
F 16	14 21	9 12	4 52	13 16	0 58	22 8	0 34	4 31	0 28	5 51	1 44	2 46	2 47	1 41	0 45	22 18	0 10	17 32	4 4	15 14	15 30	2 4		n.a.
S 17	14 1	5 21	4 32	12 25	0 49	21 57	0 37	4 13	0 27	5 54	1 44	2 48	2 47	1 42	0 45	22 18	0 10	17 32	4 4	15 10	15 29	2 2		n.a.
S 18	13 41	1 19	4 0	11 33	0 40	21 45	0 39	3 55	0 26	5 57	1 44	2 49	2 47	1 42	0 45	22 17	0 10	17 32	4 4	15 6	15 28	1 59		n.a.
M19	13 21	2s45	3 18	10 40	0 30	21 33	0 42	3 37	0 26	5 59	1 44	2 51	2 47	1 43	0 45	22 17	0 10	17 33	4 4	15 3	15 27	1 57		n.a.
T 20	13 1	6 43	2 26	9 46	0 19	21 20	0 44	3 19	0 25	6 2	1 44	2 52	2 48	1 44	0 45	22 17	0 10	17 33	4 4	15 1	15 26	1 55		n.a.
W21	12 41	10 27	1 28	8 51	0 8	21 7	0 46	3 1	0 24	6 5	1 45	2 54	2 48	1 45	0 45	22 16	0 10	17 33	4 4	15 0	15 25	1 53		n.a.
T 22	12 20	13 47	0 26	7 56	0n 4	20 53	0 49	2 43	0 24	6 8	1 45	2 55	2 48	1 46	0 45	22 16	0 10	17 33	4 4	14 59	15 24	1 51		n.a.
F 23	11 59	16 35	0n39	7 1	0 15	20 38	0 51	2 25	0 23	6 10	1 45	2 57	2 48	1 47	0 45	22 16	0 10	17 33	4 4	14 59	15 23	1 49		n.a.
S 24	11 38	18 41	1 43	6 7	0 27	20 23	0 53	2 7	0 22	6 13	1 45	2 58	2 48	1 47	0 45	22 16	0 10	17 33	4 4	15 0	15 22	1 47		n.a.
S 25	11 17	19 53	2 45	5 13	0 40	20 7	0 55	1 49	0 22	6 16	1 45	3 0	2 48	1 48	0 45	22 15	0 10	17 33	4 4	14 59	15 21	1 44		n.a.
M26	10 56	20 2	3 39	4 19	0 52	19 51	0 57	1 31	0 21	6 19	1 45	3 2	2 49	1 49	0 45	22 15	0 10	17 33	4 4	14 59	15 20	1 42		n.a.
T 27	10 34	19 1	4 23	3 27	1 5	19 34	0 59	1 13	0 20	6 22	1 45	3 3	2 49	1 50	0 45	22 15	0 10	17 33	4 4	14 57	15 19	1 40		n.a.
W28	10s13	16s48	4n52	2s36	1n17	19s17	1s 1	0s55	0s20	6n25	1n45	3n 5	2n49	1n51	0n45	22s14	0s10	17s33	4n 4	14s55	15s18	1n38		n.a.

Julian Day Number = 1552343.5, Delta T = 04h29m57s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'57, Lahiri = -10°20'56 Julian Calendar 1 Feb. 463 BCE == Greg. Calendar 27 Jan. 463 BCE

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

MARCH 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 11 22	4♓52'08	8♒42	22♓11	10♒ 1	29♓12	17°R53	28°R41	27°R 4	21♑ 6	5♐49	9°R34	10♏53	16♍21	n.a.	T 1
F 2	10 15 19	5°51'09	23°47	23°41	11°15	29°55	17♍46	28♍37	27♍ 1	21° 8	5°50	9♏25	10°50	16°27	n.a.	F 2
S 3	10 19 16	6°50'09	9♓ 3	25° 7	12°28	0♈38	17°38	28°33	26°59	21°10	5°50	9°15	10°46	16°34	n.a.	S 3
S 4	10 23 12	7°49'06	24°19	26°28	13°42	1°21	17°31	28°29	26°57	21°11	5°51	9° 7	10°43	16°41	n.a.	S 4
M 5	10 27 9	8°48'01	9♈24	27°43	14°55	2° 4	17°24	28°25	26°54	21°13	5°51	9° 2	10°40	16°47	n.a.	M 5
T 6	10 31 5	9°46'54	24°11	28°53	16° 8	2°47	17°16	28°20	26°52	21°15	5°51	8°59	10°37	16°54	n.a.	T 6
W 7	10 35 2	10°45'44	8♉33	29°57	17°22	3°29	17° 8	28°16	26°50	21°16	5°51	8°D58	10°34	17° 1	n.a.	W 7
T 8	10 38 58	11°44'32	22°29	0♈55	18°35	4°12	17° 1	28°12	26°47	21°18	5°52	8°58	10°31	17° 7	n.a.	T 8
F 9	10 42 55	12°43'18	5♊58	1°46	19°49	4°55	16°53	28° 8	26°45	21°20	5°52	8°59	10°27	17°14	n.a.	F 9
S 10	10 46 51	13°42'01	19° 4	2°32	21° 2	5°38	16°45	28° 4	26°42	21°21	5°52	8°R59	10°24	17°21	n.a.	S 10
S 11	10 50 48	14°40'42	1♋50	3°11	22°16	6°20	16°38	27°59	26°40	21°23	5°52	8°57	10°21	17°28	n.a.	S 11
M12	10 54 44	15°39'21	14°20	3°44	23°29	7° 3	16°30	27°55	26°37	21°24	5°52	8°54	10°18	17°34	n.a.	M12
T 13	10 58 41	16°37'57	26°36	4°10	24°42	7°45	16°22	27°51	26°35	21°26	5°52	8°48	10°15	17°41	n.a.	T 13
W14	11 2 38	17°36'31	8♌43	4°30	25°56	8°28	16°15	27°46	26°32	21°27	5°R52	8°40	10°11	17°48	n.a.	W14
T 15	11 6 34	18°35'03	20°43	4°44	27° 9	9°10	16° 7	27°42	26°30	21°29	5°52	8°31	10° 8	17°54	n.a.	T 15
F 16	11 10 31	19°33'32	2♍38	4°51	28°23	9°53	15°59	27°37	26°27	21°30	5°52	8°21	10° 5	18° 1	n.a.	F 16
S 17	11 14 27	20°32'00	14°30	4°R52	29°36	10°35	15°52	27°33	26°25	21°31	5°52	8°12	10° 2	18° 8	n.a.	S 17
S 18	11 18 24	21°30'25	26°20	4°47	0♓49	11°17	15°44	27°28	26°22	21°33	5°52	8° 4	9°59	18°14	n.a.	S 18
M19	11 22 20	22°28'48	8♎11	4°37	2° 3	11°59	15°36	27°24	26°20	21°34	5°52	7°58	9°56	18°21	n.a.	M19
T 20	11 26 17	23°27'10	20° 5	4°21	3°16	12°42	15°29	27°19	26°17	21°35	5°51	7°55	9°52	18°28	n.a.	T 20
W21	11 30 13	24°25'30	2♏ 3	4° 0	4°30	13°24	15°21	27°15	26°15	21°37	5°51	7°53	9°49	18°35	n.a.	W21
T 22	11 34 10	25°23'48	14° 8	3°35	5°43	14° 6	15°14	27°10	26°12	21°38	5°51	7°D53	9°46	18°41	n.a.	T 22
F 23	11 38 7	26°22'04	26°25	3° 6	6°57	14°48	15° 6	27° 6	26° 9	21°39	5°51	7°54	9°43	18°48	n.a.	F 23
S 24	11 42 3	27°20'19	8♐57	2°33	8°10	15°30	14°59	27° 1	26° 7	21°40	5°50	7°56	9°40	18°55	n.a.	S 24
S 25	11 46 0	28°18'32	21°48	1°58	9°23	16°12	14°52	26°57	26° 4	21°42	5°50	7°57	9°36	19° 1	n.a.	S 25
M26	11 49 56	29°16'43	5♑ 1	1°20	10°37	16°54	14°44	26°52	26° 2	21°43	5°50	7°R57	9°33	19° 8	n.a.	M26
T 27	11 53 53	0♈14'53	18°40	0°41	11°50	17°36	14°37	26°48	25°59	21°44	5°49	7°55	9°30	19°15	n.a.	T 27
W28	11 57 49	1°13'02	2♒47	0° 1	13° 4	18°17	14°30	26°43	25°57	21°45	5°49	7°52	9°27	19°21	n.a.	W28
T 29	12 1 46	2°11'09	17°19	29♓22	14°17	18°59	14°23	26°39	25°54	21°46	5°49	7°48	9°24	19°28	n.a.	T 29
F 30	12 5 42	3° 9'14	2♓12	28°43	15°31	19°41	14°16	26°34	25°52	21°47	5°48	7°43	9°21	19°35	n.a.	F 30
S 31	12 9 39	4♈ 7'17	17♓20	28♓ 6	16♓44	20♈23	14♍ 9	26♍30	25♍49	21♑48	5♐48	7♏38	9♏17	19♍41	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9s51	13s26	5n 3	1s47	1n29	18s59	1s 3	0s37	0s19	6n28	1n46	3n 7	2n49	1n52	0n45	22s14	0s10	17s33	4n 4	14s52	15s17	1n36			n.a.
F 2	9 29	9 9	4 54	1 0	1 41	18 40	1 5	0 19	0 18	6 31	1 46	3 8	2 49	1 53	0 45	22 14	0 10	17 33	4 4	14 49	15 16	1 34			n.a.
S 3	9 7	4 13	4 24	0 14	1 53	18 21	1 7	0 1	0 18	6 34	1 46	3 10	2 49	1 54	0 45	22 14	0 10	17 33	4 4	14 46	15 15	1 32			n.a.
S 4	8 45	1n 0	3 35	0n28	2 4	18 1	1 8	0n17	0 17	6 37	1 46	3 12	2 49	1 55	0 45	22 13	0 10	17 33	4 4	14 43	15 14	1 29			n.a.
M 5	8 22	6 5	2 31	1 8	2 15	17 41	1 10	0 35	0 16	6 40	1 46	3 14	2 50	1 56	0 45	22 13	0 10	17 33	4 4	14 41	15 13	1 27			n.a.
T 6	8 0	10 42	1 18	1 46	2 25	17 21	1 12	0 53	0 16	6 43	1 46	3 15	2 50	1 57	0 45	22 13	0 10	17 33	4 4	14 40	15 12	1 25			n.a.
W 7	7 38	14 34	0 2	2 20	2 35	16 59	1 13	1 11	0 15	6 46	1 46	3 17	2 50	1 58	0 45	22 13	0 10	17 33	4 4	14 40	15 11	1 23			n.a.
T 8	7 15	17 28	1s12	2 52	2 43	16 38	1 15	1 28	0 14	6 49	1 46	3 19	2 50	1 59	0 45	22 12	0 10	17 33	4 4	14 40	15 10	1 21			n.a.
F 9	6 52	19 18	2 20	3 20	2 51	16 16	1 16	1 46	0 14	6 52	1 46	3 21	2 50	2 0	0 45	22 12	0 10	17 33	4 4	14 41	15 9	1 19			n.a.
S 10	6 29	20 0	3 18	3 45	2 58	15 53	1 17	2 4	0 13	6 55	1 46	3 23	2 50	2 1	0 45	22 12	0 10	17 33	4 4	14 41	15 8	1 17			n.a.
S 11	6 7	19 39	4 5	4 6	3 5	15 31	1 19	2 22	0 12	6 58	1 46	3 24	2 50	2 2	0 45	22 12	0 10	17 33	4 4	14 40	15 7	1 14			n.a.
M12	5 44	18 21	4 39	4 24	3 10	15 7	1 20	2 39	0 12	7 1	1 46	3 26	2 50	2 3	0 45	22 12	0 10	17 33	4 4	14 39	15 6	1 12			n.a.
T 13	5 21	16 12	4 59	4 38	3 13	14 44	1 21	2 57	0 11	7 4	1 46	3 28	2 50	2 4	0 45	22 11	0 10	17 33	4 4	14 37	15 5	1 10			n.a.
W14	4 57	13 23	5 6	4 48	3 16	14 20	1 22	3 14	0 10	7 7	1 46	3 30	2 50	2 5	0 45	22 11	0 10	17 33	4 4	14 34	15 4	1 8			n.a.
T 15	4 34	10 3	4 59	4 55	3 18	13 55	1 23	3 32	0 10	7 10	1 46	3 32	2 50	2 6	0 45	22 11	0 10	17 33	4 4	14 31	15 3	1 6			n.a.
F 16	4 11	6 19	4 40	4 58	3 18	13 30	1 24	3 49	0 9	7 13	1 46	3 34	2 51	2 7	0 45	22 11	0 10	17 33	4 4	14 28	15 2	1 4			n.a.
S 17	3 48	2 23	4 8	4 57	3 16	13 5	1 25	4 7	0 8	7 16	1 46	3 35	2 51	2 8	0 45	22 10	0 10	17 33	4 4	14 25	15 1	1 2			n.a.
S 18	3 25	1s39	3 25	4 53	3 14	12 39	1 26	4 24	0 8	7 19	1 46	3 37	2 51	2 9	0 45	22 10	0 10	17 33	4 4	14 23	15 0	1 0			n.a.
M19	3 1	5 38	2 34	4 45	3 10	12 14	1 27	4 41	0 7	7 22	1 46	3 39	2 51	2 10	0 45	22 10	0 10	17 33	4 4	14 21	14 59	0 57			n.a.
T 20	2 38	9 25	1 35	4 34	3 4	11 47	1 27	4 59	0 6	7 25	1 46	3 41	2 51	2 11	0 45	22 10	0 10	17 33	4 4	14 20	14 58	0 55			n.a.
W21	2 15	12 50	0 32	4 19	2 57	11 21	1 28	5 16	0 6	7 28	1 46	3 43	2 51	2 12	0 45	22 10	0 10	17 33	4 4	14 19	14 57	0 53			n.a.
T 22	1 51	15 45	0n34	4 1	2 49	10 54	1 28	5 33	0 5	7 31	1 46	3 45	2 51	2 13	0 45	22 10	0 11	17 33	4 4	14 19	14 56	0 51			n.a.
F 23	1 28	18 0	1 39	3 40	2 39	10 27	1 29	5 50	0 4	7 34	1 46	3 46	2 51	2 14	0 45	22 9	0 11	17 33	4 4	14 19	14 55	0 49			n.a.
S 24	1 4	19 26	2 41	3 17	2 28	10 0	1 29	6 7	0 4	7 37	1 46	3 48	2 51	2 15	0 45	22 9	0 11	17 33	4 5	14 20	14 54	0 47			n.a.
S 25	0 41	19 54	3 36	2 52	2 16	9 32	1 30	6 24	0 3	7 39	1 46	3 50	2 51	2 16	0 45	22 9	0 11	17 33	4 5	14 20	14 53	0 45			n.a.
M26	0 17	19 18	4 22	2 24	2 3	9 4	1 30	6 41	0 3	7 42	1 46	3 52	2 51	2 17	0 45	22 9	0 11	17 33	4 5	14 20	14 52	0 43			n.a.
T 27	0n 6	17 34	4 54	1 56	1 48	8 36	1 30	6 58	0 2	7 45	1 45	3 54	2 51	2 18	0 45	22 9	0 11	17 33	4 5	14 20	14 51	0 40			n.a.
W28	0 29	14 46	5 10	1 26	1 33	8 8	1 30	7 14	0 1	7 48	1 45	3 56	2 51	2 19	0 45	22 8	0 11	17 32	4 5	14 19	14 50	0 38			n.a.
T 29	0 53	10 58	5 7	0 56	1 17	7 39	1 30	7 31	0 1	7 50	1 45	3 57	2 51	2 20	0 45	22 8	0 11	17 32	4 5	14 17	14 49	0 36			n.a.
F 30	1 16	6 25	4 44	0 25	1 1	7 10	1 30	7 48	0 0	7 53	1 45	3 59	2 51	2 21	0 45	22 8	0 11	17 32	4 5	14 16	14 48	0 34			n.a.
S 31	1n40	1s23	4n 0	0s 5	0n45	6s41	1s30	8n 4	0n 1	7n56	1n45	4n 1	2n51	2n22	0n45	22s 8	0s11	17s32	4n 5	14s14	14s47	0n32			n.a.

Julian Day Number = 1552371.5, Delta T = 04h29m56s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'53, Lahiri = -10°20'52 Julian Calendar 1 March 463 BCE == Greg. Calendar 24 Feb. 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

APRIL 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 13 35	5♈ 5'19	2♈34	27°R30	17♓57	21♈ 4	14°R 2	26°R26	25°R47	21♉49	5°R47	7°R34	9♏14	19♍48	n.a.	S 1
M 2	12 17 32	6° 3'19	17°41	26♓58	19°11	21°46	13♍56	26♍21	25♍44	21°50	5♐47	7♏31	9°11	19°55	n.a.	M 2
T 3	12 21 29	7° 1'18	2♉35	26°28	20°24	22°27	13°49	26°17	25°42	21°51	5°46	7°D30	9° 8	20° 2	n.a.	T 3
W 4	12 25 25	7°59'14	17° 6	26° 2	21°38	23° 9	13°42	26°12	25°39	21°52	5°45	7°30	9° 5	20° 8	n.a.	W 4
T 5	12 29 22	8°57'09	1♊12	25°39	22°51	23°50	13°36	26° 8	25°37	21°52	5°45	7°32	9° 2	20°15	n.a.	T 5
F 6	12 33 18	9°55'02	14°51	25°21	24° 5	24°32	13°30	26° 4	25°34	21°53	5°44	7°33	8°58	20°22	n.a.	F 6
S 7	12 37 15	10°52'53	28° 4	25° 7	25°18	25°13	13°24	25°59	25°32	21°54	5°43	7°34	8°55	20°28	n.a.	S 7
S 8	12 41 11	11°50'42	10♋53	24°58	26°31	25°55	13°18	25°55	25°29	21°55	5°43	7°R35	8°52	20°35	n.a.	S 8
M 9	12 45 8	12°48'30	23°23	24°53	27°45	26°36	13°12	25°51	25°27	21°55	5°42	7°34	8°49	20°42	n.a.	M 9
T 10	12 49 4	13°46'15	5♌38	24°D53	28°58	27°17	13° 6	25°47	25°25	21°56	5°41	7°33	8°46	20°48	n.a.	T 10
W11	12 53 1	14°43'59	17°41	24°57	0♈12	27°58	13° 0	25°43	25°22	21°57	5°40	7°30	8°42	20°55	n.a.	W11
T 12	12 56 58	15°41'41	29°36	25° 6	1°25	28°40	12°55	25°38	25°20	21°57	5°40	7°27	8°39	21° 2	n.a.	T 12
F 13	13 0 54	16°39'21	11♍27	25°20	2°39	29°21	12°49	25°34	25°18	21°58	5°39	7°24	8°36	21° 8	n.a.	F 13
S 14	13 4 51	17°36'59	23°18	25°38	3°52	0♉ 2	12°44	25°30	25°15	21°59	5°38	7°21	8°33	21°15	n.a.	S 14
S 15	13 8 47	18°34'36	5♎ 9	26° 0	5° 5	0°43	12°39	25°26	25°13	21°59	5°37	7°18	8°30	21°22	n.a.	S 15
M16	13 12 44	19°32'12	17° 4	26°27	6°19	1°24	12°34	25°22	25°11	22° 0	5°36	7°16	8°27	21°28	n.a.	M16
T 17	13 16 40	20°29'46	29° 5	26°58	7°32	2° 5	12°29	25°19	25° 8	22° 0	5°35	7°15	8°23	21°35	n.a.	T 17
W18	13 20 37	21°27'19	11♏13	27°33	8°46	2°46	12°24	25°15	25° 6	22° 0	5°34	7°D15	8°20	21°42	n.a.	W18
T 19	13 24 33	22°24'51	23°30	28°12	9°59	3°27	12°20	25°11	25° 4	22° 1	5°33	7°15	8°17	21°49	n.a.	T 19
F 20	13 28 30	23°22'21	5♐59	28°55	11°13	4° 7	12°16	25° 7	25° 2	22° 1	5°32	7°16	8°14	21°55	n.a.	F 20
S 21	13 32 27	24°19'51	18°42	29°42	12°26	4°48	12°11	25° 4	25° 0	22° 2	5°31	7°18	8°11	22° 2	n.a.	S 21
S 22	13 36 23	25°17'20	1♑40	0♈32	13°39	5°29	12° 7	25° 0	24°58	22° 2	5°30	7°19	8° 8	22° 9	n.a.	S 22
M23	13 40 20	26°14'47	14°57	1°25	14°53	6°10	12° 4	24°56	24°56	22° 2	5°29	7°19	8° 4	22°15	n.a.	M23
T 24	13 44 16	27°12'14	28°34	2°22	16° 6	6°50	12° 0	24°53	24°54	22° 2	5°28	7°R19	8° 1	22°22	n.a.	T 24
W25	13 48 13	28° 9'40	12♒32	3°22	17°20	7°31	11°56	24°50	24°52	22° 2	5°27	7°19	7°58	22°29	n.a.	W25
T 26	13 52 9	29° 7'05	26°49	4°26	18°33	8°12	11°53	24°46	24°50	22° 3	5°26	7°19	7°55	22°35	n.a.	T 26
F 27	13 56 6	0♉ 4'29	11♓25	5°32	19°47	8°52	11°50	24°43	24°48	22° 3	5°24	7°18	7°52	22°42	n.a.	F 27
S 28	14 0 2	1° 1'52	26°13	6°42	21° 0	9°33	11°47	24°40	24°46	22° 3	5°23	7°17	7°48	22°49	n.a.	S 28
S 29	14 3 59	1°59'15	11♈ 8	7°54	22°14	10°13	11°44	24°37	24°44	22° 3	5°22	7°16	7°45	22°55	n.a.	S 29
M30	14 7 56	2♉56'37	26♈ 2	9♈ 9	23♈27	10♉54	11♍41	24♍34	24♍42	22°R 3	5♐21	7♏16	7♏42	23♍ 2	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 3	3n46	2n59	0s35	0n28	6s12	1s30	8n21	0n 1	7n58	1n45	4n 3	2n51	2n23	0n45	22s 8	0s11	17s32	4n 5	14s13	14s46	0n30		n.a.
M 2	2 26	8 40	1 46	1 3	0 11	5 43	1 30	8 37	0 2	8 1	1 45	4 4	2 51	2 24	0 45	22 8	0 11	17 32	4 5	14 12	14 44	0 28		n.a.
T 3	2 49	12 57	0 27	1 31	0s 6	5 13	1 30	8 53	0 2	8 3	1 45	4 6	2 51	2 25	0 45	22 8	0 11	17 32	4 5	14 12	14 43	0 26		n.a.
W 4	3 12	16 19	0s52	1 56	0 22	4 44	1 29	9 9	0 3	8 5	1 44	4 8	2 51	2 26	0 45	22 8	0 11	17 32	4 5	14 12	14 42	0 23		n.a.
T 5	3 36	18 36	2 6	2 20	0 38	4 14	1 29	9 26	0 4	8 8	1 44	4 10	2 51	2 27	0 45	22 7	0 11	17 32	4 5	14 12	14 41	0 21		n.a.
F 6	3 59	19 43	3 11	2 41	0 53	3 44	1 29	9 42	0 4	8 10	1 44	4 11	2 50	2 28	0 45	22 7	0 11	17 32	4 5	14 13	14 40	0 19		n.a.
S 7	4 22	19 41	4 3	3 0	1 8	3 14	1 28	9 57	0 5	8 12	1 44	4 13	2 50	2 29	0 45	22 7	0 11	17 31	4 5	14 13	14 39	0 17		n.a.
S 8	4 45	18 38	4 41	3 17	1 22	2 44	1 28	10 13	0 5	8 15	1 44	4 15	2 50	2 30	0 45	22 7	0 11	17 31	4 5	14 13	14 38	0 15		n.a.
M 9	5 7	16 41	5 5	3 31	1 36	2 14	1 27	10 29	0 6	8 17	1 44	4 16	2 50	2 31	0 45	22 7	0 11	17 31	4 5	14 13	14 37	0 13		n.a.
T 10	5 30	14 2	5 14	3 43	1 48	1 44	1 26	10 45	0 7	8 19	1 43	4 18	2 50	2 32	0 45	22 7	0 11	17 31	4 5	14 12	14 36	0 11		n.a.
W11	5 53	10 49	5 9	3 52	2 0	1 13	1 25	11 0	0 7	8 21	1 43	4 19	2 50	2 33	0 45	22 7	0 11	17 31	4 5	14 12	14 35	0 9		n.a.
T 12	6 15	7 13	4 51	3 58	2 11	0 43	1 25	11 16	0 8	8 23	1 43	4 21	2 50	2 34	0 45	22 7	0 11	17 31	4 5	14 11	14 34	0 7		n.a.
F 13	6 38	3 21	4 21	4 2	2 21	0 13	1 24	11 31	0 8	8 25	1 43	4 22	2 50	2 35	0 45	22 7	0 11	17 31	4 5	14 9	14 33	0 4		n.a.
S 14	7 0	0s39	3 39	4 3	2 30	0n18	1 23	11 46	0 9	8 27	1 43	4 24	2 50	2 36	0 45	22 7	0 11	17 30	4 5	14 8	14 32	0 2		n.a.
S 15	7 22	4 38	2 48	4 1	2 38	0 48	1 22	12 1	0 10	8 28	1 42	4 25	2 50	2 36	0 45	22 7	0 11	17 30	4 5	14 8	14 31	0 0		n.a.
M16	7 44	8 28	1 49	3 57	2 45	1 18	1 21	12 16	0 10	8 30	1 42	4 27	2 50	2 37	0 45	22 6	0 11	17 30	4 5	14 7	14 30	0s 2		n.a.
T 17	8 6	11 59	0 45	3 50	2 52	1 49	1 20	12 31	0 11	8 32	1 42	4 28	2 49	2 38	0 45	22 6	0 11	17 30	4 5	14 7	14 29	0 4		n.a.
W18	8 28	15 2	0n22	3 41	2 57	2 19	1 18	12 46	0 11	8 33	1 42	4 30	2 49	2 39	0 45	22 6	0 11	17 30	4 5	14 6	14 28	0 6		n.a.
T 19	8 50	17 27	1 29	3 30	3 2	2 49	1 17	13 1	0 12	8 35	1 42	4 31	2 49	2 40	0 45	22 6	0 11	17 30	4 5	14 7	14 27	0 8		n.a.
F 20	9 12	19 5	2 33	3 16	3 6	3 20	1 16	13 15	0 13	8 36	1 41	4 33	2 49	2 41	0 45	22 6	0 11	17 29	4 5	14 7	14 26	0 10		n.a.
S 21	9 33	19 46	3 30	3 0	3 9	3 50	1 15	13 30	0 13	8 38	1 41	4 34	2 49	2 42	0 45	22 6	0 11	17 29	4 5	14 7	14 25	0 12		n.a.
S 22	9 54	19 26	4 18	2 42	3 11	4 20	1 13	13 44	0 14	8 39	1 41	4 35	2 49	2 42	0 45	22 6	0 11	17 29	4 5	14 8	14 24	0 14		n.a.
M23	10 16	18 2	4 53	2 22	3 12	4 50	1 12	13 58	0 14	8 40	1 41	4 37	2 49	2 43	0 45	22 6	0 11	17 29	4 5	14 8	14 23	0 17		n.a.
T 24	10 37	15 36	5 13	1 59	3 13	5 20	1 10	14 13	0 15	8 42	1 40	4 38	2 48	2 44	0 44	22 6	0 11	17 29	4 5	14 8	14 22	0 19		n.a.
W25	10 57	12 13	5 16	1 35	3 13	5 50	1 9	14 27	0 16	8 43	1 40	4 39	2 48	2 45	0 44	22 6	0 11	17 29	4 5	14 8	14 21	0 21		n.a.
T 26	11 18	8 3	4 59	1 9	3 12	6 20	1 7	14 40	0 16	8 44	1 40	4 40	2 48	2 46	0 44	22 6	0 11	17 28	4 5	14 8	14 20	0 23		n.a.
F 27	11 39	3 20	4 23	0 41	3 10	6 49	1 5	14 54	0 17	8 45	1 40	4 41	2 48	2 46	0 44	22 6	0 11	17 28	4 5	14 7	14 19	0 25		n.a.
S 28	11 59	1n40	3 29	0 11	3 8	7 19	1 4	15 8	0 17	8 46	1 39	4 43	2 48	2 47	0 44	22 6	0 11	17 28	4 5	14 7	14 18	0 27		n.a.
S 29	12 19	6 36	2 20	0n21	3 5	7 48	1 2	15 21	0 18	8 47	1 39	4 44	2 48	2 48	0 44	22 6	0 11	17 28	4 4	14 7	14 17	0 29		n.a.
M30	12n39	11n 9	1n 2	0n54	3s 1	8n17	1s 0	15n35	0n18	8n47	1n39	4n45	2n47	2n48	0n44	22s 6	0s11	17s28	4n 4	14s 7	14s15	0s31		n.a.

Julian Day Number = 1552402.5, Delta T = 04h29m55s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'49, Lahiri = -10°20'48 Julian Calendar 1 Apr. 463 BCE == Greg. Calendar 27 March 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

MAY 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 11 52	3♉53'57	10♉47	10♈28	24♈41	11♉34	11°R39	24°R31	24°R40	22°R 3	5°R20	7°D16	7♏39	23♍ 9	n.a.	T 1
W 2	14 15 49	4°51'17	25°16	11°49	25°54	12°15	11♍36	24♍28	24♍39	22♐ 3	5♐18	7♏16	7°36	23°15	n.a.	W 2
T 3	14 19 45	5°48'36	9♊23	13°13	27° 8	12°55	11°34	24°25	24°37	22° 3	5°17	7°16	7°33	23°22	n.a.	T 3
F 4	14 23 42	6°45'54	23° 6	14°39	28°21	13°35	11°32	24°22	24°35	22° 3	5°16	7°16	7°29	23°29	n.a.	F 4
S 5	14 27 38	7°43'11	6♋25	16° 8	29°35	14°16	11°30	24°19	24°33	22° 3	5°15	7°R17	7°26	23°35	n.a.	S 5
S 6	14 31 35	8°40'26	19°19	17°40	0♉48	14°56	11°29	24°17	24°32	22° 2	5°13	7°16	7°23	23°42	n.a.	S 6
M 7	14 35 31	9°37'41	1♌52	19°15	2° 2	15°36	11°27	24°14	24°30	22° 2	5°12	7°16	7°20	23°49	n.a.	M 7
T 8	14 39 28	10°34'54	14° 9	20°53	3°15	16°16	11°26	24°12	24°29	22° 2	5°11	7°D16	7°17	23°56	n.a.	T 8
W 9	14 43 25	11°32'07	26°12	22°33	4°29	16°56	11°25	24°10	24°27	22° 2	5° 9	7°16	7°13	24° 2	n.a.	W 9
T 10	14 47 21	12°29'19	8♍ 6	24°15	5°42	17°36	11°24	24° 7	24°26	22° 2	5° 8	7°17	7°10	24° 9	n.a.	T 10
F 11	14 51 18	13°26'29	19°57	26° 1	6°56	18°16	11°23	24° 5	24°24	22° 1	5° 7	7°17	7° 7	24°16	n.a.	F 11
S 12	14 55 14	14°23'39	1♎48	27°49	8° 9	18°56	11°23	24° 3	24°23	22° 1	5° 5	7°18	7° 4	24°22	n.a.	S 12
S 13	14 59 11	15°20'48	13°42	29°39	9°23	19°36	11°22	24° 1	24°22	22° 0	5° 4	7°19	7° 1	24°29	n.a.	S 13
M14	15 3 7	16°17'57	25°43	1♉32	10°36	20°16	11°D22	23°59	24°21	22° 0	5° 2	7°19	6°58	24°36	n.a.	M14
T 15	15 7 4	17°15'05	7♏53	3°27	11°50	20°56	11°22	23°57	24°19	22° 0	5° 1	7°R20	6°54	24°42	n.a.	T 15
W16	15 11 0	18°12'12	20°15	5°25	13° 3	21°36	11°23	23°56	24°18	21°59	4°59	7°19	6°51	24°49	n.a.	W16
T 17	15 14 57	19° 9'19	2♐49	7°25	14°17	22°16	11°23	23°54	24°17	21°59	4°58	7°18	6°48	24°56	n.a.	T 17
F 18	15 18 54	20° 6'26	15°37	9°27	15°30	22°56	11°23	23°52	24°16	21°58	4°57	7°17	6°45	25° 2	n.a.	F 18
S 19	15 22 50	21° 3'32	28°39	11°31	16°44	23°36	11°24	23°51	24°15	21°58	4°55	7°15	6°42	25° 9	n.a.	S 19
S 20	15 26 47	22° 0'38	11♑55	13°36	17°58	24°15	11°25	23°49	24°14	21°57	4°54	7°13	6°39	25°16	n.a.	S 20
M21	15 30 43	22°57'44	25°24	15°43	19°11	24°55	11°26	23°48	24°13	21°56	4°52	7°12	6°35	25°22	n.a.	M21
T 22	15 34 40	23°54'50	9♒ 8	17°52	20°25	25°35	11°27	23°47	24°12	21°56	4°51	7°11	6°32	25°29	n.a.	T 22
W23	15 38 36	24°51'56	23° 5	20° 1	21°38	26°14	11°29	23°46	24°11	21°55	4°49	7°D10	6°29	25°36	n.a.	W23
T 24	15 42 33	25°49'03	7♓14	22°11	22°52	26°54	11°30	23°45	24°11	21°54	4°48	7°10	6°26	25°42	n.a.	T 24
F 25	15 46 29	26°46'09	21°32	24°22	24° 6	27°34	11°32	23°44	24°10	21°54	4°46	7°11	6°23	25°49	n.a.	F 25
S 26	15 50 26	27°43'15	5♈59	26°33	25°19	28°13	11°34	23°43	24° 9	21°53	4°45	7°13	6°19	25°56	n.a.	S 26
S 27	15 54 23	28°40'22	20°29	28°44	26°33	28°53	11°36	23°42	24° 9	21°52	4°43	7°14	6°16	26° 2	n.a.	S 27
M28	15 58 19	29°37'28	4♉59	0♊54	27°47	29°32	11°39	23°42	24° 8	21°51	4°42	7°R14	6°13	26° 9	n.a.	M28
T 29	16 2 16	0♊34'35	19°23	3° 4	29° 0	0♊12	11°41	23°41	24° 7	21°50	4°40	7°14	6°10	26°16	n.a.	T 29
W30	16 6 12	1°31'42	3♊36	5°13	0♊14	0°51	11°44	23°41	24° 7	21°49	4°39	7°12	6° 7	26°22	n.a.	W30
T 31	16 10 9	2♊28'49	17♊33	7♊21	1♊28	1♊31	11♍47	23♍41	24♍ 6	21♐49	4♐37	7♏10	6♏ 4	26♍29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	12n59	14n57	0s19	1n29	2s57	8n46	0s59	15n48	0n19	8n48	1n39	4n46	2n47	2n49	0n44	22s 6	0s11	17s28	4n 4	14s 7	14s14	0s33			n.a.
W 2	13 18	17 44	1 38	2 6	2 52	9 15	0 57	16 1	0 19	8 49	1 38	4 47	2 47	2 50	0 44	22 6	0 11	17 27	4 4	14 7	14 13	0 35			n.a.
T 3	13 38	19 22	2 49	2 44	2 47	9 44	0 55	16 14	0 20	8 49	1 38	4 48	2 47	2 51	0 44	22 6	0 11	17 27	4 4	14 7	14 12	0 37			n.a.
F 4	13 57	19 46	3 48	3 23	2 41	10 12	0 53	16 27	0 21	8 50	1 38	4 49	2 47	2 51	0 44	22 6	0 11	17 27	4 4	14 7	14 11	0 40			n.a.
S 5	14 16	19 3	4 33	4 4	2 34	10 40	0 51	16 40	0 21	8 50	1 38	4 50	2 47	2 52	0 44	22 6	0 11	17 27	4 4	14 7	14 10	0 42			n.a.
S 6	14 35	17 21	5 2	4 46	2 27	11 8	0 49	16 52	0 22	8 51	1 37	4 50	2 46	2 52	0 44	22 6	0 11	17 27	4 4	14 7	14 9	0 44			n.a.
M 7	14 53	14 52	5 16	5 29	2 19	11 36	0 47	17 5	0 22	8 51	1 37	4 51	2 46	2 53	0 44	22 6	0 11	17 26	4 4	14 7	14 8	0 46			n.a.
T 8	15 11	11 46	5 15	6 14	2 11	12 3	0 45	17 17	0 23	8 51	1 37	4 52	2 46	2 54	0 44	22 6	0 11	17 26	4 4	14 7	14 7	0 48			n.a.
W 9	15 29	8 14	5 0	7 0	2 2	12 30	0 43	17 29	0 23	8 51	1 36	4 53	2 46	2 54	0 44	22 7	0 11	17 26	4 4	14 7	14 6	0 50			n.a.
T 10	15 47	4 25	4 33	7 46	1 53	12 57	0 41	17 41	0 24	8 52	1 36	4 53	2 46	2 55	0 44	22 7	0 11	17 26	4 4	14 7	14 5	0 52			n.a.
F 11	16 5	0 27	3 54	8 34	1 44	13 24	0 39	17 53	0 24	8 52	1 36	4 54	2 45	2 55	0 44	22 7	0 11	17 26	4 4	14 7	14 4	0 54			n.a.
S 12	16 22	3s32	3 5	9 22	1 34	13 50	0 36	18 5	0 25	8 52	1 36	4 55	2 45	2 56	0 44	22 7	0 11	17 25	4 4	14 8	14 3	0 56			n.a.
S 13	16 39	7 25	2 7	10 11	1 24	14 16	0 34	18 16	0 25	8 51	1 35	4 55	2 45	2 56	0 44	22 7	0 11	17 25	4 4	14 8	14 2	0 58			n.a.
M14	16 56	11 3	1 4	11 1	1 13	14 41	0 32	18 28	0 26	8 51	1 35	4 56	2 45	2 57	0 44	22 7	0 11	17 25	4 4	14 8	14 1	1 0			n.a.
T 15	17 12	14 16	0n 3	11 51	1 2	15 7	0 30	18 39	0 27	8 51	1 35	4 56	2 44	2 57	0 44	22 7	0 12	17 25	4 4	14 8	14 0	1 2			n.a.
W16	17 28	16 54	1 11	12 41	0 51	15 31	0 27	18 50	0 27	8 51	1 34	4 57	2 44	2 58	0 44	22 7	0 12	17 25	4 4	14 8	13 59	1 5			n.a.
T 17	17 44	18 46	2 17	13 32	0 40	15 56	0 25	19 1	0 28	8 50	1 34	4 57	2 44	2 58	0 44	22 7	0 12	17 25	4 4	14 8	13 58	1 7			n.a.
F 18	18 0	19 42	3 16	14 22	0 29	16 20	0 23	19 12	0 28	8 50	1 34	4 58	2 44	2 58	0 44	22 7	0 12	17 24	4 4	14 7	13 57	1 9			n.a.
S 19	18 15	19 37	4 7	15 11	0 18	16 44	0 21	19 22	0 29	8 49	1 34	4 58	2 44	2 59	0 44	22 7	0 12	17 24	4 3	14 7	13 56	1 11			n.a.
S 20	18 30	18 28	4 46	16 1	0 7	17 7	0 18	19 33	0 29	8 49	1 33	4 59	2 43	2 59	0 44	22 8	0 12	17 24	4 3	14 6	13 54	1 13			n.a.
M21	18 45	16 16	5 9	16 49	0n 4	17 30	0 16	19 43	0 30	8 48	1 33	4 59	2 43	2 59	0 44	22 8	0 12	17 24	4 3	14 5	13 53	1 15			n.a.
T 22	19 0	13 8	5 16	17 36	0 14	17 52	0 14	19 54	0 30	8 47	1 33	4 59	2 43	3 0	0 44	22 8	0 12	17 24	4 3	14 5	13 52	1 17			n.a.
W23	19 14	9 13	5 4	18 22	0 25	18 14	0 11	20 4	0 31	8 46	1 32	4 59	2 43	3 0	0 44	22 8	0 12	17 23	4 3	14 5	13 51	1 19			n.a.
T 24	19 28	4 44	4 34	19 7	0 35	18 35	0 9	20 13	0 31	8 45	1 32	4 59	2 42	3 0	0 43	22 8	0 12	17 23	4 3	14 5	13 50	1 21			n.a.
F 25	19 41	0n 4	3 46	19 50	0 45	18 56	0 6	20 23	0 32	8 44	1 32	5 0	2 42	3 1	0 43	22 8	0 12	17 23	4 3	14 5	13 49	1 23			n.a.
S 26	19 54	4 55	2 44	20 30	0 54	19 16	0 4	20 33	0 32	8 43	1 32	5 0	2 42	3 1	0 43	22 8	0 12	17 23	4 3	14 6	13 48	1 25			n.a.
S 27	20 7	9 30	1 31	21 9	1 2	19 36	0 2	20 42	0 33	8 42	1 31	5 0	2 42	3 1	0 43	22 8	0 12	17 23	4 3	14 6	13 47	1 27			n.a.
M28	20 20	13 33	0 12	21 45	1 11	19 56	0n 1	20 51	0 33	8 41	1 31	5 0	2 41	3 1	0 43	22 9	0 12	17 22	4 3	14 6	13 46	1 29			n.a.
T 29	20 32	16 44	1s 6	22 19	1 18	20 15	0 3	21 0	0 34	8 40	1 31	5 0	2 41	3 1	0 43	22 9	0 12	17 22	4 3	14 6	13 45	1 31			n.a.
W30	20 44	18 51	2 20	22 50	1 25	20 33	0 5	21 9	0 34	8 39	1 30	5 0	2 41	3 2	0 43	22 9	0 12	17 22	4 3	14 6	13 44	1 33			n.a.
T 31	20n56	19n47	3s24	23n19	1n31	20n51	0n 8	21n18	0n35	8n37	1n30	5n 0	2n41	3n 2	0n43	22s 9	0s12	17s22	4n 2	14s 5	13s43	1s36			n.a.

Julian Day Number = 1552432.5, Delta T = 04h29m54s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'44, Lahiri = -10°20'44 Julian Calendar 1 May 463 BCE == Greg. Calendar 26 Apr. 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

JUNE 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 14 5	3♊25'56	1♋11	9♊28	2♊42	2♊10	11♍50	23°R40	24°R 6	21°R48	4°R36	7°R 6	6♏ 0	26♍36	n.a.	F 1
S 2	16 18 2	4°23'03	14°28	11°34	3°55	2°49	11°53	23♍40	24♍ 6	21♑47	4♐34	7♏ 2	5°57	26°43	n.a.	S 2
S 3	16 21 59	5°20'10	27°23	13°38	5° 9	3°29	11°56	23°D40	24° 5	21°46	4°33	6°58	5°54	26°49	n.a.	S 3
M 4	16 25 55	6°17'16	9♌58	15°40	6°23	4° 8	12° 0	23°40	24° 5	21°45	4°31	6°55	5°51	26°56	n.a.	M 4
T 5	16 29 52	7°14'23	22°15	17°41	7°37	4°47	12° 3	23°40	24° 5	21°44	4°30	6°52	5°48	27° 3	n.a.	T 5
W 6	16 33 48	8°11'29	4♍19	19°39	8°50	5°27	12° 7	23°41	24° 5	21°43	4°28	6°D51	5°45	27° 9	n.a.	W 6
T 7	16 37 45	9° 8'36	16°14	21°37	10° 4	6° 6	12°11	23°41	24° 5	21°41	4°27	6°51	5°41	27°16	n.a.	T 7
F 8	16 41 41	10° 5'43	28° 4	23°32	11°18	6°45	12°15	23°41	24°D 5	21°40	4°25	6°53	5°38	27°23	n.a.	F 8
S 9	16 45 38	11° 2'49	9♎56	25°25	12°32	7°24	12°20	23°42	24° 5	21°39	4°24	6°54	5°35	27°29	n.a.	S 9
S 10	16 49 34	11°59'56	21°53	27°17	13°45	8° 3	12°24	23°43	24° 5	21°38	4°22	6°56	5°32	27°36	n.a.	S 10
M11	16 53 31	12°57'03	3♏59	29° 7	14°59	8°42	12°29	23°43	24° 5	21°37	4°21	6°R57	5°29	27°43	n.a.	M11
T 12	16 57 28	13°54'10	16°19	0♋54	16°13	9°21	12°33	23°44	24° 5	21°36	4°19	6°56	5°25	27°49	n.a.	T 12
W13	17 1 24	14°51'18	28°55	2°40	17°27	10° 0	12°38	23°45	24° 6	21°35	4°18	6°54	5°22	27°56	n.a.	W13
T 14	17 5 21	15°48'26	11♐47	4°24	18°41	10°39	12°44	23°46	24° 6	21°33	4°16	6°51	5°19	28° 3	n.a.	T 14
F 15	17 9 17	16°45'35	24°57	6° 6	19°54	11°18	12°49	23°47	24° 6	21°32	4°15	6°45	5°16	28° 9	n.a.	F 15
S 16	17 13 14	17°42'44	8♑23	7°46	21° 8	11°57	12°54	23°49	24° 7	21°31	4°13	6°39	5°13	28°16	n.a.	S 16
S 17	17 17 10	18°39'54	22° 3	9°25	22°22	12°36	13° 0	23°50	24° 7	21°29	4°12	6°32	5°10	28°23	n.a.	S 17
M18	17 21 7	19°37'05	5♒55	11° 1	23°36	13°15	13° 5	23°51	24° 8	21°28	4°10	6°26	5° 6	28°29	n.a.	M18
T 19	17 25 3	20°34'16	19°55	12°36	24°50	13°54	13°11	23°53	24° 8	21°27	4° 9	6°21	5° 3	28°36	n.a.	T 19
W20	17 29 0	21°31'29	4♓ 1	14° 8	26° 4	14°33	13°17	23°54	24° 9	21°25	4° 7	6°18	5° 0	28°43	n.a.	W20
T 21	17 32 57	22°28'42	18°10	15°39	27°18	15°12	13°23	23°56	24° 9	21°24	4° 6	6°D17	4°57	28°49	n.a.	T 21
F 22	17 36 53	23°25'57	2♈21	17° 8	28°32	15°51	13°30	23°58	24°10	21°23	4° 5	6°17	4°54	28°56	n.a.	F 22
S 23	17 40 50	24°23'12	16°31	18°35	29°46	16°30	13°36	24° 0	24°11	21°21	4° 3	6°18	4°50	29° 3	n.a.	S 23
S 24	17 44 46	25°20'29	0♉39	20° 0	1♋ 0	17° 8	13°43	24° 2	24°12	21°20	4° 2	6°R19	4°47	29° 9	n.a.	S 24
M25	17 48 43	26°17'47	14°44	21°23	2°14	17°47	13°49	24° 4	24°13	21°18	4° 0	6°19	4°44	29°16	n.a.	M25
T 26	17 52 39	27°15'06	28°42	22°44	3°28	18°26	13°56	24° 6	24°13	21°17	3°59	6°17	4°41	29°23	n.a.	T 26
W27	17 56 36	28°12'26	12♊31	24° 3	4°42	19° 5	14° 3	24° 8	24°14	21°16	3°58	6°12	4°38	29°29	n.a.	W27
T 28	18 0 32	29° 9'47	26° 9	25°19	5°56	19°43	14°10	24°10	24°15	21°14	3°56	6° 6	4°35	29°36	n.a.	T 28
F 29	18 4 29	0♋ 7'10	9♋32	26°34	7°10	20°22	14°17	24°13	24°17	21°13	3°55	5°57	4°31	29°43	n.a.	F 29
S 30	18 8 26	1♋ 4'33	22♋38	27♋46	8♋24	21♊ 1	14♍25	24♍15	24♍18	21♑11	3♐54	5♏48	4♏28	29♍49	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n 7	19n30	4s14	23n45	1n37	21n 8	0n10	21n26	0n35	8n36	1n30	4n59	2n40	3n 2	0n43	22s 9	0s12	17s22	4n 2	14s 4	13s42	1s38		n.a.
S 2	21 18	18 9	4 50	24 8	1 41	21 25	0 12	21 35	0 36	8 34	1 30	4 59	2 40	3 2	0 43	22 9	0 12	17 22	4 2	14 2	13 41	1 40		n.a.
S 3	21 28	15 54	5 9	24 29	1 46	21 41	0 15	21 43	0 36	8 33	1 29	4 59	2 40	3 2	0 43	22 10	0 12	17 21	4 2	14 1	13 40	1 42		n.a.
M 4	21 38	12 57	5 13	24 46	1 49	21 56	0 17	21 51	0 37	8 31	1 29	4 59	2 40	3 2	0 43	22 10	0 12	17 21	4 2	14 0	13 39	1 44		n.a.
T 5	21 48	9 31	5 2	25 1	1 52	22 11	0 19	21 59	0 37	8 30	1 29	4 59	2 39	3 2	0 43	22 10	0 12	17 21	4 2	13 59	13 37	1 46		n.a.
W 6	21 57	5 44	4 38	25 14	1 54	22 25	0 22	22 6	0 38	8 28	1 29	4 58	2 39	3 2	0 43	22 10	0 12	17 21	4 2	13 59	13 36	1 48		n.a.
T 7	22 6	1 47	4 3	25 24	1 55	22 39	0 24	22 14	0 38	8 26	1 28	4 58	2 39	3 2	0 43	22 10	0 12	17 21	4 2	13 59	13 35	1 50		n.a.
F 8	22 15	2s13	3 17	25 31	1 56	22 51	0 26	22 21	0 39	8 24	1 28	4 57	2 39	3 2	0 43	22 11	0 12	17 21	4 2	13 59	13 34	1 52		n.a.
S 9	22 23	6 9	2 22	25 36	1 56	23 4	0 28	22 28	0 39	8 22	1 28	4 57	2 38	3 2	0 43	22 11	0 12	17 20	4 1	14 0	13 33	1 54		n.a.
S 10	22 31	9 53	1 21	25 38	1 55	23 15	0 31	22 35	0 40	8 20	1 27	4 56	2 38	3 2	0 43	22 11	0 12	17 20	4 1	14 0	13 32	1 56		n.a.
M11	22 39	13 16	0 16	25 39	1 54	23 26	0 33	22 42	0 40	8 18	1 27	4 56	2 38	3 2	0 43	22 11	0 12	17 20	4 1	14 0	13 31	1 58		n.a.
T 12	22 46	16 7	0n51	25 37	1 52	23 36	0 35	22 49	0 41	8 16	1 27	4 55	2 38	3 2	0 43	22 11	0 12	17 20	4 1	14 0	13 30	2 0		n.a.
W13	22 53	18 17	1 57	25 33	1 50	23 46	0 37	22 55	0 41	8 14	1 27	4 55	2 37	3 2	0 43	22 12	0 12	17 20	4 1	14 0	13 29	2 2		n.a.
T 14	22 59	19 33	2 58	25 27	1 47	23 55	0 39	23 1	0 42	8 12	1 26	4 54	2 37	3 1	0 43	22 12	0 12	17 20	4 1	13 58	13 28	2 4		n.a.
F 15	23 5	19 48	3 51	25 19	1 43	24 3	0 41	23 7	0 42	8 9	1 26	4 53	2 37	3 1	0 43	22 12	0 12	17 19	4 1	13 57	13 27	2 6		n.a.
S 16	23 10	18 57	4 33	25 10	1 39	24 10	0 44	23 13	0 42	8 7	1 26	4 53	2 36	3 1	0 43	22 12	0 12	17 19	4 1	13 55	13 26	2 8		n.a.
S 17	23 15	17 0	4 59	24 59	1 35	24 17	0 46	23 19	0 43	8 5	1 26	4 52	2 36	3 1	0 42	22 12	0 12	17 19	4 0	13 52	13 25	2 10		n.a.
M18	23 20	14 3	5 9	24 46	1 30	24 23	0 48	23 24	0 43	8 2	1 25	4 51	2 36	3 1	0 42	22 13	0 12	17 19	4 0	13 50	13 24	2 12		n.a.
T 19	23 25	10 17	5 1	24 32	1 24	24 28	0 50	23 29	0 44	8 0	1 25	4 50	2 36	3 0	0 42	22 13	0 12	17 19	4 0	13 49	13 22	2 14		n.a.
W20	23 28	5 55	4 34	24 17	1 18	24 33	0 51	23 34	0 44	7 57	1 25	4 49	2 35	3 0	0 42	22 13	0 12	17 19	4 0	13 48	13 21	2 16		n.a.
T 21	23 32	1 12	3 51	24 0	1 12	24 37	0 53	23 39	0 45	7 55	1 25	4 49	2 35	3 0	0 42	22 13	0 12	17 19	4 0	13 47	13 20	2 18		n.a.
F 22	23 35	3n35	2 53	23 42	1 5	24 40	0 55	23 44	0 45	7 52	1 24	4 48	2 35	2 59	0 42	22 14	0 12	17 19	4 0	13 47	13 19	2 20		n.a.
S 23	23 38	8 11	1 45	23 23	0 57	24 42	0 57	23 49	0 46	7 49	1 24	4 47	2 35	2 59	0 42	22 14	0 12	17 18	4 0	13 48	13 18	2 22		n.a.
S 24	23 40	12 19	0 31	23 3	0 50	24 44	0 59	23 53	0 46	7 46	1 24	4 46	2 34	2 59	0 42	22 14	0 12	17 18	3 59	13 48	13 17	2 25		n.a.
M25	23 42	15 45	0s45	22 43	0 42	24 44	1 1	23 57	0 47	7 44	1 24	4 44	2 34	2 58	0 42	22 14	0 12	17 18	3 59	13 48	13 16	2 27		n.a.
T 26	23 43	18 13	1 58	22 21	0 33	24 44	1 2	24 1	0 47	7 41	1 23	4 43	2 34	2 58	0 42	22 15	0 12	17 18	3 59	13 47	13 15	2 29		n.a.
W27	23 44	19 35	3 2	21 59	0 25	24 44	1 4	24 5	0 47	7 38	1 23	4 42	2 34	2 57	0 42	22 15	0 12	17 18	3 59	13 46	13 14	2 31		n.a.
T 28	23 45	19 47	3 55	21 36	0 15	24 42	1 6	24 8	0 48	7 35	1 23	4 41	2 33	2 57	0 42	22 15	0 12	17 18	3 59	13 44	13 13	2 33		n.a.
F 29	23 45	18 51	4 34	21 13	0 6	24 40	1 7	24 12	0 48	7 32	1 23	4 40	2 33	2 57	0 42	22 15	0 12	17 18	3 59	13 41	13 12	2 35		n.a.
S 30	23n45	16n56	4s57	20n49	0s 4	24n37	1n 9	24n15	0n49	7n29	1n22	4n39	2n33	2n56	0n42	22s16	0s12	17s18	3n59	13s38	13s11	2s37		n.a.

Julian Day Number = 1552463.5, Delta T = 04h29m52s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'40, Lahiri = -10°20'40 Julian Calendar 1 June 463 BCE == Greg. Calendar 27 May 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

JULY 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 12 22	2♋ 1'57	5♌26	28♋56	9♋38	21♊39	14♍32	24♍18	24♍19	21°R10	3°R52	5°R38	4♏25	29♍56	n.a.	S 1
M 2	18 16 19	2°59'22	17°57	0♌ 4	10°52	22°18	14°40	24°21	24°20	21♑ 8	3♐51	5♏30	4°22	0♎ 3	n.a.	M 2
T 3	18 20 15	3°56'48	0♍13	1° 9	12° 6	22°57	14°47	24°24	24°21	21° 6	3°50	5°23	4°19	0° 9	n.a.	T 3
W 4	18 24 12	4°54'14	12°15	2°12	13°20	23°35	14°55	24°26	24°23	21° 5	3°49	5°18	4°16	0°16	n.a.	W 4
T 5	18 28 8	5°51'42	24° 9	3°12	14°34	24°14	15° 3	24°29	24°24	21° 3	3°47	5°15	4°12	0°23	n.a.	T 5
F 6	18 32 5	6°49'10	5♎59	4° 9	15°48	24°52	15°11	24°32	24°26	21° 2	3°46	5°D15	4° 9	0°29	n.a.	F 6
S 7	18 36 1	7°46'40	17°50	5° 3	17° 2	25°31	15°20	24°36	24°27	21° 0	3°45	5°15	4° 6	0°36	n.a.	S 7
S 8	18 39 58	8°44'10	29°48	5°54	18°16	26° 9	15°28	24°39	24°29	20°59	3°44	5°R16	4° 3	0°43	n.a.	S 8
M 9	18 43 55	9°41'42	11♏57	6°42	19°30	26°48	15°36	24°42	24°30	20°57	3°43	5°16	4° 0	0°49	n.a.	M 9
T 10	18 47 51	10°39'15	24°22	7°26	20°44	27°26	15°45	24°45	24°32	20°55	3°41	5°14	3°56	0°56	n.a.	T 10
W11	18 51 48	11°36'48	7♐ 7	8° 7	21°58	28° 4	15°54	24°49	24°33	20°54	3°40	5°10	3°53	1° 3	n.a.	W11
T 12	18 55 44	12°34'23	20°14	8°44	23°13	28°43	16° 2	24°52	24°35	20°52	3°39	5° 3	3°50	1° 9	n.a.	T 12
F 13	18 59 41	13°32'00	3♑44	9°17	24°27	29°21	16°11	24°56	24°37	20°51	3°38	4°55	3°47	1°16	n.a.	F 13
S 14	19 3 37	14°29'37	17°34	9°46	25°41	29°59	16°20	25° 0	24°39	20°49	3°37	4°45	3°44	1°23	n.a.	S 14
S 15	19 7 34	15°27'17	1♒41	10°10	26°55	0♋38	16°29	25° 4	24°41	20°47	3°36	4°34	3°41	1°29	n.a.	S 15
M16	19 11 31	16°24'57	15°59	10°30	28° 9	1°16	16°39	25° 7	24°42	20°46	3°35	4°24	3°37	1°36	n.a.	M16
T 17	19 15 27	17°22'39	0♓24	10°44	29°23	1°55	16°48	25°11	24°44	20°44	3°34	4°15	3°34	1°43	n.a.	T 17
W18	19 19 24	18°20'23	14°48	10°54	0♌37	2°33	16°57	25°15	24°46	20°42	3°33	4° 9	3°31	1°49	n.a.	W18
T 19	19 23 20	19°18'09	29° 8	10°R58	1°51	3°11	17° 7	25°20	24°48	20°41	3°32	4° 6	3°28	1°56	n.a.	T 19
F 20	19 27 17	20°15'56	13♈21	10°57	3° 6	3°49	17°17	25°24	24°51	20°39	3°31	4° 4	3°25	2° 3	n.a.	F 20
S 21	19 31 13	21°13'46	27°25	10°50	4°20	4°28	17°26	25°28	24°53	20°38	3°30	4° 4	3°22	2° 9	n.a.	S 21
S 22	19 35 10	22°11'37	11♉20	10°38	5°34	5° 6	17°36	25°32	24°55	20°36	3°29	4° 4	3°18	2°16	n.a.	S 22
M23	19 39 6	23° 9'31	25° 5	10°19	6°48	5°44	17°46	25°37	24°57	20°34	3°29	4° 3	3°15	2°23	n.a.	M23
T 24	19 43 3	24° 7'26	8♊40	9°55	8° 2	6°22	17°56	25°41	24°59	20°33	3°28	3°59	3°12	2°29	n.a.	T 24
W25	19 46 59	25° 5'23	22° 6	9°25	9°17	7° 1	18° 6	25°46	25° 2	20°31	3°27	3°53	3° 9	2°36	n.a.	W25
T 26	19 50 56	26° 3'22	5♋20	8°49	10°31	7°39	18°16	25°50	25° 4	20°29	3°26	3°44	3° 6	2°43	n.a.	T 26
F 27	19 54 53	27° 1'23	18°23	8° 8	11°45	8°17	18°27	25°55	25° 6	20°28	3°25	3°32	3° 2	2°49	n.a.	F 27
S 28	19 58 49	27°59'26	1♌12	7°22	12°59	8°55	18°37	26° 0	25° 9	20°26	3°25	3°19	2°59	2°56	n.a.	S 28
S 29	20 2 46	28°57'30	13°48	6°32	14°13	9°33	18°47	26° 5	25°11	20°24	3°24	3° 6	2°56	3° 3	n.a.	S 29
M30	20 6 42	29°55'37	26°10	5°38	15°28	10°11	18°58	26° 9	25°14	20°23	3°23	2°53	2°53	3° 9	n.a.	M30
T 31	20 10 39	0♌53'44	8♍19	4♌43	16♌42	10♋49	19♍ 9	26♍14	25♍16	20♑21	3♐23	2♏43	2♏50	3♎16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n44	14n13	5s 5	20n25	0s14	24n34	1n10	24n18	0n49	7n25	1n22	4n37	2n33	2n56	0n42	22s16	0s12	17s18	3n58	13s34	13s 9	2s39			n.a.
M 2	23 43	10 55	4 58	20 1	0 24	24 29	1 11	24 21	0 50	7 22	1 22	4 36	2 32	2 55	0 42	22 16	0 12	17 18	3 58	13 31	13 8	2 41			n.a.
T 3	23 41	7 13	4 38	19 36	0 34	24 24	1 13	24 23	0 50	7 19	1 22	4 35	2 32	2 54	0 42	22 16	0 12	17 18	3 58	13 29	13 7	2 43			n.a.
W 4	23 39	3 17	4 5	19 12	0 45	24 18	1 14	24 26	0 51	7 16	1 21	4 33	2 32	2 54	0 42	22 17	0 12	17 18	3 58	13 27	13 6	2 45			n.a.
T 5	23 37	0s44	3 22	18 47	0 56	24 11	1 15	24 28	0 51	7 12	1 21	4 32	2 32	2 53	0 42	22 17	0 12	17 17	3 58	13 27	13 5	2 47			n.a.
F 6	23 34	4 42	2 30	18 23	1 7	24 4	1 17	24 30	0 51	7 9	1 21	4 31	2 32	2 53	0 42	22 17	0 12	17 17	3 58	13 26	13 4	2 49			n.a.
S 7	23 31	8 30	1 32	17 59	1 19	23 56	1 18	24 32	0 52	7 6	1 21	4 29	2 31	2 52	0 42	22 17	0 12	17 17	3 57	13 26	13 3	2 51			n.a.
S 8	23 27	12 0	0 29	17 35	1 30	23 47	1 19	24 34	0 52	7 2	1 21	4 28	2 31	2 51	0 42	22 18	0 12	17 17	3 57	13 27	13 2	2 53			n.a.
M 9	23 23	15 3	0n36	17 12	1 42	23 38	1 20	24 35	0 53	6 59	1 20	4 26	2 31	2 51	0 42	22 18	0 12	17 17	3 57	13 27	13 1	2 55			n.a.
T 10	23 19	17 29	1 40	16 49	1 54	23 27	1 21	24 36	0 53	6 55	1 20	4 24	2 31	2 50	0 42	22 18	0 12	17 17	3 57	13 26	13 0	2 57			n.a.
W11	23 14	19 8	2 41	16 27	2 5	23 16	1 22	24 38	0 53	6 51	1 20	4 23	2 30	2 49	0 41	22 18	0 12	17 17	3 57	13 25	12 59	2 59			n.a.
T 12	23 9	19 48	3 35	16 6	2 17	23 5	1 22	24 38	0 54	6 48	1 20	4 21	2 30	2 49	0 41	22 19	0 12	17 17	3 56	13 23	12 58	3 1			n.a.
F 13	23 3	19 23	4 19	15 46	2 29	22 52	1 23	24 39	0 54	6 44	1 19	4 20	2 30	2 48	0 41	22 19	0 12	17 17	3 56	13 20	12 56	3 3			n.a.
S 14	22 57	17 48	4 49	15 27	2 41	22 39	1 24	24 40	0 55	6 40	1 19	4 18	2 30	2 47	0 41	22 19	0 13	17 17	3 56	13 16	12 55	3 5			n.a.
S 15	22 50	15 8	5 2	15 10	2 52	22 26	1 25	24 40	0 55	6 37	1 19	4 16	2 29	2 46	0 41	22 19	0 13	17 17	3 56	13 12	12 54	3 7			n.a.
M16	22 44	11 32	4 56	14 53	3 4	22 11	1 25	24 40	0 56	6 33	1 19	4 14	2 29	2 46	0 41	22 20	0 13	17 17	3 56	13 9	12 53	3 9			n.a.
T 17	22 36	7 15	4 32	14 39	3 15	21 56	1 26	24 40	0 56	6 29	1 19	4 13	2 29	2 45	0 41	22 20	0 13	17 17	3 56	13 6	12 52	3 11			n.a.
W18	22 28	2 32	3 50	14 26	3 26	21 41	1 26	24 40	0 56	6 25	1 18	4 11	2 29	2 44	0 41	22 20	0 13	17 17	3 55	13 4	12 51	3 13			n.a.
T 19	22 20	2n18	2 54	14 14	3 36	21 25	1 27	24 39	0 57	6 21	1 18	4 9	2 29	2 43	0 41	22 20	0 13	17 17	3 55	13 3	12 50	3 15			n.a.
F 20	22 12	6 59	1 48	14 5	3 46	21 8	1 27	24 39	0 57	6 17	1 18	4 7	2 28	2 42	0 41	22 21	0 13	17 17	3 55	13 2	12 49	3 17			n.a.
S 21	22 3	11 14	0 35	13 58	3 55	20 50	1 27	24 38	0 58	6 13	1 18	4 5	2 28	2 41	0 41	22 21	0 13	17 17	3 55	13 2	12 48	3 19			n.a.
S 22	21 54	14 49	0s38	13 54	4 3	20 32	1 27	24 37	0 58	6 9	1 18	4 3	2 28	2 40	0 41	22 21	0 13	17 17	3 55	13 2	12 47	3 21			n.a.
M23	21 44	17 31	1 49	13 52	4 11	20 13	1 28	24 36	0 58	6 5	1 17	4 1	2 28	2 39	0 41	22 22	0 13	17 17	3 54	13 2	12 45	3 23			n.a.
T 24	21 34	19 12	2 52	13 52	4 17	19 54	1 28	24 34	0 59	6 1	1 17	3 59	2 28	2 38	0 41	22 22	0 13	17 17	3 54	13 1	12 44	3 25			n.a.
W25	21 23	19 46	3 45	13 55	4 22	19 34	1 28	24 33	0 59	5 57	1 17	3 57	2 27	2 38	0 41	22 22	0 13	17 17	3 54	12 58	12 43	3 27			n.a.
T 26	21 13	19 14	4 25	14 1	4 26	19 14	1 28	24 31	1 0	5 52	1 17	3 55	2 27	2 37	0 41	22 22	0 13	17 17	3 54	12 55	12 42	3 29			n.a.
F 27	21 1	17 41	4 50	14 9	4 28	18 53	1 27	24 29	1 0	5 48	1 17	3 53	2 27	2 36	0 41	22 23	0 13	17 17	3 54	12 51	12 41	3 31			n.a.
S 28	20 50	15 16	5 0	14 21	4 28	18 32	1 27	24 27	1 0	5 44	1 17	3 51	2 27	2 35	0 41	22 23	0 13	17 17	3 53	12 47	12 40	3 33			n.a.
S 29	20 38	12 11	4 55	14 34	4 27	18 10	1 27	24 25	1 1	5 40	1 16	3 49	2 27	2 34	0 41	22 23	0 13	17 18	3 53	12 42	12 39	3 35			n.a.
M30	20 26	8 38	4 36	14 50	4 24	17 47	1 27	24 22	1 1	5 35	1 16	3 47	2 26	2 33	0 41	22 23	0 13	17 18	3 53	12 38	12 38	3 37			n.a.
T 31	20n13	4n46	4s 5	15n 9	4s19	17n24	1n26	24n19	1n 2	5n31	1n16	3n45	2n26	2n31	0n41	22s24	0s13	17s18	3n53	12s34	12s37	3s39			n.a.

Julian Day Number = 1552493.5, Delta T = 04h29m51s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'36, Lahiri = -10°20'36 Julian Calendar 1 July 463 BCE == Greg. Calendar 26 June 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

AUGUST 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 14 35	1♌51'54	20♍18	3°R45	17♌56	11♋27	19♍19	26♍19	25♍19	20°R20	3°R22	2°R35	2♏47	3♎23	n.a.	W 1
T 2	20 18 32	2°50'05	2♎ 9	2♌48	19°10	12° 5	19°30	26°24	25°21	20♉18	3♐21	2♏30	2°43	3°29	n.a.	T 2
F 3	20 22 28	3°48'17	13°57	1°51	20°25	12°43	19°41	26°30	25°24	20°16	3°21	2°28	2°40	3°36	n.a.	F 3
S 4	20 26 25	4°46'32	25°46	0°57	21°39	13°21	19°52	26°35	25°27	20°15	3°20	2°27	2°37	3°43	n.a.	S 4
S 5	20 30 22	5°44'48	7♏42	0° 6	22°53	13°59	20° 3	26°40	25°30	20°13	3°20	2°27	2°34	3°49	n.a.	S 5
M 6	20 34 18	6°43'05	19°50	29♋20	24° 7	14°37	20°14	26°45	25°32	20°12	3°19	2°26	2°31	3°56	n.a.	M 6
T 7	20 38 15	7°41'25	2♐16	28°40	25°21	15°15	20°25	26°51	25°35	20°10	3°19	2°25	2°28	4° 3	n.a.	T 7
W 8	20 42 11	8°39'46	15° 4	28° 7	26°36	15°53	20°37	26°56	25°38	20° 9	3°18	2°21	2°24	4° 9	n.a.	W 8
T 9	20 46 8	9°38'09	28°17	27°41	27°50	16°31	20°48	27° 2	25°41	20° 7	3°18	2°14	2°21	4°16	n.a.	T 9
F 10	20 50 4	10°36'33	11♑57	27°24	29° 4	17° 9	20°59	27° 7	25°44	20° 6	3°18	2° 5	2°18	4°23	n.a.	F 10
S 11	20 54 1	11°35'00	26° 3	27°D16	0♍18	17°47	21°11	27°13	25°47	20° 4	3°17	1°54	2°15	4°29	n.a.	S 11
S 12	20 57 57	12°33'28	10♒31	27°16	1°32	18°25	21°22	27°19	25°50	20° 3	3°17	1°43	2°12	4°36	n.a.	S 12
M13	21 1 54	13°31'58	25°14	27°26	2°47	19° 3	21°34	27°24	25°53	20° 1	3°17	1°32	2° 8	4°43	n.a.	M13
T 14	21 5 51	14°30'31	10♓ 4	27°46	4° 1	19°41	21°46	27°30	25°56	20° 0	3°17	1°23	2° 5	4°49	n.a.	T 14
W15	21 9 47	15°29'05	24°52	28°14	5°15	20°19	21°57	27°36	25°59	19°58	3°16	1°16	2° 2	4°56	n.a.	W15
T 16	21 13 44	16°27'42	9♈32	28°51	6°29	20°56	22° 9	27°42	26° 2	19°57	3°16	1°12	1°59	5° 3	n.a.	T 16
F 17	21 17 40	17°26'21	23°58	29°37	7°43	21°34	22°21	27°48	26° 5	19°55	3°16	1°11	1°56	5° 9	n.a.	F 17
S 18	21 21 37	18°25'03	8♉ 8	0♌31	8°57	22°12	22°33	27°54	26° 8	19°54	3°16	1°D11	1°53	5°16	n.a.	S 18
S 19	21 25 33	19°23'47	22° 1	1°33	10°12	22°50	22°45	28° 0	26°11	19°53	3°16	1°R11	1°49	5°23	n.a.	S 19
M20	21 29 30	20°22'33	5♊37	2°41	11°26	23°28	22°57	28° 6	26°15	19°51	3°16	1°10	1°46	5°29	n.a.	M20
T 21	21 33 26	21°21'22	18°58	3°56	12°40	24° 5	23° 9	28°12	26°18	19°50	3°16	1° 7	1°43	5°36	n.a.	T 21
W22	21 37 23	22°20'13	2♋ 5	5°17	13°54	24°43	23°21	28°18	26°21	19°49	3°D16	1° 1	1°40	5°43	n.a.	W22
T 23	21 41 20	23°19'07	15° 0	6°42	15° 8	25°21	23°33	28°24	26°25	19°47	3°16	0°53	1°37	5°49	n.a.	T 23
F 24	21 45 16	24°18'02	27°42	8°12	16°22	25°59	23°45	28°31	26°28	19°46	3°16	0°43	1°34	5°56	n.a.	F 24
S 25	21 49 13	25°17'00	10♌14	9°46	17°37	26°36	23°58	28°37	26°31	19°45	3°16	0°31	1°30	6° 3	n.a.	S 25
S 26	21 53 9	26°16'01	22°34	11°23	18°51	27°14	24°10	28°43	26°35	19°43	3°16	0°19	1°27	6° 9	n.a.	S 26
M27	21 57 6	27°15'03	4♍45	13° 3	20° 5	27°52	24°22	28°50	26°38	19°42	3°16	0° 8	1°24	6°16	n.a.	M27
T 28	22 1 2	28°14'07	16°46	14°44	21°19	28°29	24°35	28°56	26°41	19°41	3°16	29♎58	1°21	6°23	n.a.	T 28
W29	22 4 59	29°13'14	28°39	16°28	22°33	29° 7	24°47	29° 2	26°45	19°40	3°17	29°51	1°18	6°29	n.a.	W29
T 30	22 8 55	0♍12'22	10♎28	18°13	23°47	29°45	25° 0	29° 9	26°48	19°39	3°17	29°46	1°14	6°36	n.a.	T 30
F 31	22 12 52	1♍11'33	22♎14	19♌59	25♍ 1	0♌22	25♍12	29♍15	26♍52	19♉38	3♐17	29♎44	1♏11	6♎43	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	20n 0	0n47	3s23	15n29	4s12	17n 1	1n26	24n17	1n 2	5n26	1n16	3n42	2n26	2n30	0n41	22s24	0s13	17s18	3n53	12s32	12s36	3s41		n.a.
T 2	19 47	3s12	2 33	15 51	4 3	16 37	1 25	24 13	1 2	5 22	1 16	3 40	2 26	2 29	0 41	22 24	0 13	17 18	3 52	12 30	12 34	3 43		n.a.
F 3	19 33	7 3	1 36	16 14	3 52	16 12	1 25	24 10	1 3	5 17	1 16	3 38	2 26	2 28	0 41	22 24	0 13	17 18	3 52	12 29	12 33	3 45		n.a.
S 4	19 19	10 38	0 35	16 38	3 39	15 48	1 24	24 7	1 3	5 13	1 15	3 36	2 25	2 27	0 41	22 25	0 13	17 18	3 52	12 29	12 32	3 47		n.a.
S 5	19 5	13 49	0n28	17 3	3 25	15 22	1 23	24 3	1 3	5 8	1 15	3 34	2 25	2 26	0 41	22 25	0 13	17 18	3 52	12 29	12 31	3 49		n.a.
M 6	18 50	16 28	1 31	17 28	3 9	14 57	1 22	23 59	1 4	5 4	1 15	3 31	2 25	2 25	0 41	22 25	0 13	17 18	3 51	12 29	12 30	3 50		n.a.
T 7	18 35	18 25	2 31	17 53	2 53	14 31	1 22	23 56	1 4	4 59	1 15	3 29	2 25	2 24	0 41	22 25	0 13	17 18	3 51	12 28	12 29	3 52		n.a.
W 8	18 20	19 30	3 25	18 17	2 35	14 4	1 21	23 51	1 5	4 55	1 15	3 27	2 25	2 22	0 40	22 26	0 13	17 19	3 51	12 27	12 28	3 54		n.a.
T 9	18 4	19 34	4 11	18 40	2 17	13 37	1 20	23 47	1 5	4 50	1 15	3 24	2 25	2 21	0 40	22 26	0 13	17 19	3 51	12 24	12 27	3 56		n.a.
F 10	17 48	18 30	4 43	19 1	1 58	13 10	1 19	23 43	1 5	4 45	1 15	3 22	2 24	2 20	0 40	22 26	0 13	17 19	3 51	12 21	12 26	3 58		n.a.
S 11	17 32	16 18	5 0	19 22	1 39	12 43	1 17	23 38	1 6	4 41	1 14	3 19	2 24	2 19	0 40	22 26	0 13	17 19	3 50	12 17	12 25	4 0		n.a.
S 12	17 15	13 3	4 58	19 40	1 20	12 15	1 16	23 33	1 6	4 36	1 14	3 17	2 24	2 18	0 40	22 27	0 13	17 19	3 50	12 13	12 23	4 2		n.a.
M13	16 59	8 57	4 36	19 56	1 2	11 47	1 15	23 28	1 6	4 31	1 14	3 15	2 24	2 16	0 40	22 27	0 13	17 19	3 50	12 9	12 22	4 4		n.a.
T 14	16 41	4 16	3 56	20 10	0 44	11 18	1 14	23 23	1 7	4 26	1 14	3 12	2 24	2 15	0 40	22 27	0 13	17 19	3 50	12 6	12 21	4 6		n.a.
W15	16 24	0n41	3 0	20 21	0 27	10 49	1 12	23 18	1 7	4 22	1 14	3 10	2 24	2 14	0 40	22 27	0 13	17 20	3 50	12 4	12 20	4 8		n.a.
T 16	16 6	5 32	1 52	20 29	0 10	10 20	1 11	23 12	1 7	4 17	1 14	3 7	2 24	2 13	0 40	22 27	0 13	17 20	3 49	12 3	12 19	4 10		n.a.
F 17	15 48	10 0	0 38	20 35	0n 6	9 51	1 9	23 7	1 8	4 12	1 14	3 5	2 23	2 11	0 40	22 28	0 13	17 20	3 49	12 2	12 18	4 12		n.a.
S 18	15 30	13 49	0s37	20 38	0 20	9 21	1 8	23 1	1 8	4 7	1 13	3 2	2 23	2 10	0 40	22 28	0 13	17 20	3 49	12 2	12 17	4 14		n.a.
S 19	15 12	16 46	1 48	20 37	0 34	8 52	1 6	22 55	1 9	4 2	1 13	2 59	2 23	2 9	0 40	22 28	0 13	17 20	3 49	12 2	12 16	4 16		n.a.
M20	14 53	18 42	2 52	20 34	0 46	8 22	1 4	22 49	1 9	3 57	1 13	2 57	2 23	2 7	0 40	22 28	0 13	17 21	3 48	12 2	12 15	4 18		n.a.
T 21	14 34	19 32	3 45	20 27	0 58	7 51	1 3	22 42	1 9	3 52	1 13	2 54	2 23	2 6	0 40	22 29	0 13	17 21	3 48	12 1	12 13	4 20		n.a.
W22	14 15	19 18	4 26	20 18	1 8	7 21	1 1	22 36	1 10	3 47	1 13	2 52	2 23	2 5	0 40	22 29	0 13	17 21	3 48	11 59	12 12	4 22		n.a.
T 23	13 55	18 4	4 51	20 5	1 17	6 50	0 59	22 29	1 10	3 42	1 13	2 49	2 23	2 3	0 40	22 29	0 13	17 21	3 48	11 56	12 11	4 24		n.a.
F 24	13 36	15 57	5 2	19 49	1 25	6 19	0 57	22 23	1 10	3 37	1 13	2 46	2 23	2 2	0 40	22 29	0 13	17 21	3 48	11 52	12 10	4 26		n.a.
S 25	13 16	13 7	4 59	19 31	1 32	5 48	0 55	22 16	1 11	3 32	1 13	2 44	2 22	2 1	0 40	22 29	0 13	17 22	3 47	11 48	12 9	4 28		n.a.
S 26	12 55	9 45	4 41	19 9	1 38	5 17	0 53	22 9	1 11	3 27	1 13	2 41	2 22	1 59	0 40	22 30	0 13	17 22	3 47	11 44	12 8	4 30		n.a.
M27	12 35	6 1	4 10	18 45	1 43	4 45	0 51	22 1	1 11	3 22	1 12	2 39	2 22	1 58	0 40	22 30	0 13	17 22	3 47	11 40	12 7	4 32		n.a.
T 28	12 14	2 6	3 29	18 19	1 46	4 14	0 49	21 54	1 12	3 17	1 12	2 36	2 22	1 57	0 40	22 30	0 13	17 22	3 47	11 36	12 6	4 33		n.a.
W29	11 54	1s52	2 38	17 50	1 49	3 42	0 47	21 46	1 12	3 12	1 12	2 33	2 22	1 55	0 40	22 30	0 13	17 23	3 46	11 34	12 4	4 35		n.a.
T 30	11 33	5 45	1 41	17 20	1 51	3 11	0 45	21 39	1 12	3 7	1 12	2 30	2 22	1 54	0 40	22 30	0 13	17 23	3 46	11 32	12 3	4 37		n.a.
F 31	11n11	9s23	0s40	16n47	1n53	2n39	0n42	21n31	1n13	3n 2	1n12	2n28	2n22	1n52	0n40	22s30	0s13	17s23	3n46	11s31	12s 2	4s39		n.a.

Julian Day Number = 1552524.5, Delta T = 04h29m50s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'32, Lahiri = -10°20'31 Julian Calendar 1 Aug. 463 BCE == Greg. Calendar 27 July 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

SEPTEMBER 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 16 48	2♍10'45	4♏ 1	21♌46	26♍15	1♌ 0	25♍25	29♍22	26♍55	19°R36	3♐17	29°D44	1♏ 8	6♎49	n.a.	S 1
S 2	22 20 45	3°10'00	15°56	23°33	27°30	1°38	25°38	29°29	26°59	19♑35	3°18	29♎45	1° 5	6°56	n.a.	S 2
M 3	22 24 42	4° 9'16	28° 1	25°20	28°44	2°15	25°50	29°35	27° 2	19°34	3°18	29°46	1° 2	7° 3	n.a.	M 3
T 4	22 28 38	5° 8'35	10♐24	27° 7	29°58	2°53	26° 3	29°42	27° 6	19°33	3°18	29°R46	0°59	7° 9	n.a.	T 4
W 5	22 32 35	6° 7'55	23° 8	28°55	1♎12	3°30	26°16	29°49	27°10	19°32	3°19	29°44	0°55	7°16	n.a.	W 5
T 6	22 36 31	7° 7'17	6♑19	0♍42	2°26	4° 8	26°29	29°55	27°13	19°31	3°19	29°41	0°52	7°23	n.a.	T 6
F 7	22 40 28	8° 6'41	19°58	2°28	3°40	4°45	26°41	0♎ 2	27°17	19°30	3°20	29°35	0°49	7°29	n.a.	F 7
S 8	22 44 24	9° 6'07	4♒ 6	4°14	4°54	5°23	26°54	0° 9	27°20	19°29	3°20	29°28	0°46	7°36	n.a.	S 8
S 9	22 48 21	10° 5'35	18°41	6° 0	6° 8	6° 0	27° 7	0°16	27°24	19°28	3°21	29°20	0°43	7°43	n.a.	S 9
M10	22 52 17	11° 5'05	3♓36	7°45	7°22	6°38	27°20	0°22	27°28	19°28	3°22	29°12	0°39	7°49	n.a.	M10
T 11	22 56 14	12° 4'37	18°43	9°30	8°36	7°15	27°33	0°29	27°31	19°27	3°22	29° 6	0°36	7°56	n.a.	T 11
W12	23 0 10	13° 4'11	3♈52	11°14	9°50	7°53	27°46	0°36	27°35	19°26	3°23	29° 2	0°33	8° 3	n.a.	W12
T 13	23 4 7	14° 3'47	18°54	12°57	11° 4	8°30	27°59	0°43	27°39	19°25	3°24	28°59	0°30	8° 9	n.a.	T 13
F 14	23 8 4	15° 3'26	3♉40	14°40	12°18	9° 8	28°12	0°50	27°42	19°24	3°24	28°D59	0°27	8°16	n.a.	F 14
S 15	23 12 0	16° 3'07	18° 5	16°22	13°31	9°45	28°25	0°57	27°46	19°24	3°25	29° 0	0°24	8°22	n.a.	S 15
S 16	23 15 57	17° 2'51	2♊ 8	18° 3	14°45	10°23	28°38	1° 4	27°50	19°23	3°26	29° 1	0°20	8°29	n.a.	S 16
M17	23 19 53	18° 2'37	15°47	19°44	15°59	11° 0	28°51	1°11	27°54	19°22	3°27	29°R 2	0°17	8°36	n.a.	M17
T 18	23 23 50	19° 2'25	29° 5	21°24	17°13	11°37	29° 4	1°18	27°57	19°22	3°27	29° 2	0°14	8°42	n.a.	T 18
W19	23 27 46	20° 2'16	12♋ 3	23° 3	18°27	12°15	29°17	1°25	28° 1	19°21	3°28	28°59	0°11	8°49	n.a.	W19
T 20	23 31 43	21° 2'09	24°45	24°42	19°41	12°52	29°31	1°32	28° 5	19°20	3°29	28°55	0° 8	8°56	n.a.	T 20
F 21	23 35 39	22° 2'05	7♌13	26°20	20°55	13°29	29°44	1°39	28° 9	19°20	3°30	28°50	0° 5	9° 2	n.a.	F 21
S 22	23 39 36	23° 2'02	19°30	27°58	22° 9	14° 7	29°57	1°46	28°12	19°19	3°31	28°43	0° 1	9° 9	n.a.	S 22
S 23	23 43 33	24° 2'02	1♍37	29°35	23°22	14°44	0♎10	1°53	28°16	19°19	3°32	28°37	29♎58	9°16	n.a.	S 23
M24	23 47 29	25° 2'04	13°37	1♎11	24°36	15°21	0°23	2° 0	28°20	19°18	3°33	28°31	29°55	9°22	n.a.	M24
T 25	23 51 26	26° 2'08	25°30	2°47	25°50	15°59	0°36	2° 7	28°24	19°18	3°34	28°25	29°52	9°29	n.a.	T 25
W26	23 55 22	27° 2'14	7♎19	4°23	27° 4	16°36	0°50	2°14	28°28	19°18	3°35	28°22	29°49	9°36	n.a.	W26
T 27	23 59 19	28° 2'21	19° 6	5°57	28°18	17°13	1° 3	2°21	28°31	19°17	3°36	28°20	29°45	9°42	n.a.	T 27
F 28	0 3 15	29° 2'31	0♏53	7°32	29°31	17°50	1°16	2°28	28°35	19°17	3°37	28°D19	29°42	9°49	n.a.	F 28
S 29	0 7 12	0♎ 2'43	12°43	9° 6	0♏45	18°28	1°29	2°35	28°39	19°17	3°38	28°20	29°39	9°56	n.a.	S 29
S 30	0 11 8	1♎ 2'56	24♏40	10♎39	1♏59	19♌ 5	1♎43	2♎43	28♍43	19♑16	3♐40	28♎22	29♎36	10♎ 2	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n50	12s40	0n23	16n13	1n53	2n 7	0n40	21n23	1n13	2n57	1n12	2n25	2n22	1n51	0n40	22s31	0s13	17s24	3n46	11s31	12s 1	4s41		n.a.
S 2	10 28	15 27	1 26	15 37	1 53	1 35	0 38	21 15	1 13	2 51	1 12	2 22	2 22	1 49	0 40	22 31	0 13	17 24	3 46	11 32	12 0	4 43		n.a.
M 3	10 7	17 36	2 26	15 0	1 52	1 3	0 35	21 7	1 14	2 46	1 12	2 19	2 21	1 48	0 40	22 31	0 13	17 24	3 45	11 32	11 59	4 45		n.a.
T 4	9 45	18 59	3 21	14 21	1 51	0 31	0 33	20 58	1 14	2 41	1 12	2 17	2 21	1 47	0 40	22 31	0 13	17 24	3 45	11 32	11 58	4 47		n.a.
W 5	9 23	19 27	4 7	13 42	1 49	0s 1	0 30	20 50	1 14	2 36	1 12	2 14	2 21	1 45	0 40	22 31	0 13	17 25	3 45	11 31	11 57	4 49		n.a.
T 6	9 0	18 53	4 43	13 1	1 46	0 33	0 28	20 41	1 15	2 31	1 11	2 11	2 21	1 44	0 40	22 31	0 13	17 25	3 45	11 30	11 56	4 51		n.a.
F 7	8 38	17 14	5 3	12 20	1 43	1 5	0 25	20 32	1 15	2 25	1 11	2 8	2 21	1 42	0 40	22 32	0 13	17 25	3 44	11 28	11 54	4 53		n.a.
S 8	8 16	14 31	5 7	11 37	1 40	1 37	0 23	20 23	1 15	2 20	1 11	2 6	2 21	1 41	0 40	22 32	0 13	17 26	3 44	11 26	11 53	4 55		n.a.
S 9	7 53	10 49	4 50	10 54	1 36	2 10	0 20	20 14	1 16	2 15	1 11	2 3	2 21	1 39	0 40	22 32	0 13	17 26	3 44	11 23	11 52	4 57		n.a.
M10	7 30	6 22	4 14	10 11	1 32	2 42	0 17	20 5	1 16	2 10	1 11	2 0	2 21	1 38	0 40	22 32	0 13	17 26	3 44	11 20	11 51	4 59		n.a.
T 11	7 7	1 27	3 20	9 27	1 27	3 14	0 15	19 56	1 16	2 4	1 11	1 57	2 21	1 36	0 40	22 32	0 13	17 27	3 44	11 18	11 50	5 0		n.a.
W12	6 44	3n34	2 12	8 43	1 22	3 46	0 12	19 46	1 17	1 59	1 11	1 54	2 21	1 35	0 40	22 32	0 13	17 27	3 43	11 16	11 49	5 2		n.a.
T 13	6 21	8 20	0 54	7 58	1 17	4 17	0 9	19 36	1 17	1 54	1 11	1 51	2 21	1 33	0 40	22 32	0 13	17 27	3 43	11 15	11 48	5 4		n.a.
F 14	5 58	12 30	0s25	7 13	1 12	4 49	0 7	19 27	1 17	1 48	1 11	1 49	2 21	1 32	0 40	22 32	0 13	17 28	3 43	11 15	11 47	5 6		n.a.
S 15	5 34	15 49	1 42	6 28	1 6	5 21	0 4	19 17	1 18	1 43	1 11	1 46	2 21	1 30	0 40	22 33	0 13	17 28	3 43	11 16	11 45	5 8		n.a.
S 16	5 11	18 5	2 50	5 43	1 1	5 52	0 1	19 7	1 18	1 38	1 11	1 43	2 21	1 29	0 40	22 33	0 13	17 28	3 43	11 16	11 44	5 10		n.a.
M17	4 47	19 13	3 47	4 58	0 55	6 24	0s 2	18 57	1 18	1 32	1 11	1 40	2 21	1 27	0 40	22 33	0 13	17 29	3 42	11 16	11 43	5 12		n.a.
T 18	4 23	19 15	4 30	4 12	0 49	6 55	0 5	18 47	1 19	1 27	1 11	1 37	2 20	1 26	0 40	22 33	0 13	17 29	3 42	11 16	11 42	5 14		n.a.
W19	4 0	18 15	4 58	3 27	0 43	7 26	0 8	18 36	1 19	1 22	1 11	1 34	2 20	1 24	0 40	22 33	0 13	17 29	3 42	11 15	11 41	5 16		n.a.
T 20	3 36	16 22	5 10	2 41	0 37	7 57	0 10	18 26	1 19	1 16	1 11	1 32	2 20	1 23	0 40	22 33	0 13	17 30	3 42	11 14	11 40	5 18		n.a.
F 21	3 12	13 45	5 8	1 56	0 30	8 28	0 13	18 15	1 20	1 11	1 11	1 29	2 20	1 21	0 40	22 33	0 13	17 30	3 41	11 12	11 39	5 20		n.a.
S 22	2 48	10 33	4 51	1 11	0 24	8 59	0 16	18 5	1 20	1 6	1 10	1 26	2 20	1 20	0 40	22 33	0 13	17 31	3 41	11 10	11 37	5 21		n.a.
S 23	2 24	6 58	4 21	0 26	0 17	9 29	0 19	17 54	1 20	1 0	1 10	1 23	2 20	1 18	0 40	22 33	0 13	17 31	3 41	11 7	11 36	5 23		n.a.
M24	2 0	3 8	3 40	0s19	0 11	10 0	0 22	17 43	1 20	0 55	1 10	1 20	2 20	1 17	0 40	22 33	0 13	17 31	3 41	11 5	11 35	5 25		n.a.
T 25	1 36	0s47	2 50	1 4	0 4	10 30	0 25	17 32	1 21	0 50	1 10	1 17	2 20	1 15	0 40	22 33	0 13	17 32	3 41	11 3	11 34	5 27		n.a.
W26	1 12	4 40	1 53	1 48	0s 3	10 59	0 28	17 21	1 21	0 44	1 10	1 14	2 20	1 13	0 40	22 33	0 13	17 32	3 40	11 2	11 33	5 29		n.a.
T 27	0 47	8 21	0 50	2 32	0 9	11 29	0 31	17 10	1 21	0 39	1 10	1 12	2 20	1 12	0 40	22 34	0 13	17 33	3 40	11 1	11 32	5 31		n.a.
F 28	0 23	11 43	0n14	3 16	0 16	11 58	0 34	16 59	1 22	0 34	1 10	1 9	2 20	1 10	0 40	22 34	0 13	17 33	3 40	11 1	11 31	5 33		n.a.
S 29	0s 1	14 37	1 18	4 0	0 23	12 27	0 37	16 47	1 22	0 28	1 10	1 6	2 20	1 9	0 40	22 34	0 13	17 33	3 40	11 1	11 30	5 35		n.a.
S 30	0s25	16s55	2n20	4s43	0s29	12s56	0s40	16n36	1n22	0n23	1n10	1n 3	2n20	1n 7	0n40	22s34	0s13	17s34	3n40	11s 2	11s28	5s37		n.a.

Julian Day Number = 1552555.5, Delta T = 04h29m49s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'28, Lahiri = -10°20'27 Julian Calendar 1 Sept. 463 BCE == Greg. Calendar 27 Aug. 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

OCTOBER 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 15 5	2♎ 3'11	6♐47	12♎12	3♏12	19♌42	1♎56	2♎50	28♍46	19°R16	3♐41	28♎24	29♎33	10♎ 9	n.a.	M 1
T 2	0 19 1	3° 3'28	19° 8	13°45	4°26	20°19	2° 9	2°57	28°50	19♑16	3°42	28°25	29°30	10°16	n.a.	T 2
W 3	0 22 58	4° 3'46	1♑49	15°17	5°40	20°56	2°22	3° 4	28°54	19°16	3°43	28°R26	29°26	10°22	n.a.	W 3
T 4	0 26 55	5° 4'06	14°52	16°49	6°53	21°33	2°36	3°11	28°58	19°16	3°45	28°26	29°23	10°29	n.a.	T 4
F 5	0 30 51	6° 4'28	28°22	18°20	8° 7	22°10	2°49	3°18	29° 2	19°16	3°46	28°24	29°20	10°36	n.a.	F 5
S 6	0 34 48	7° 4'51	12♒21	19°51	9°20	22°47	3° 2	3°25	29° 5	19°16	3°47	28°22	29°17	10°42	n.a.	S 6
S 7	0 38 44	8° 5'16	26°47	21°22	10°34	23°25	3°15	3°32	29° 9	19°D16	3°49	28°19	29°14	10°49	n.a.	S 7
M 8	0 42 41	9° 5'42	11♓36	22°52	11°48	24° 2	3°29	3°39	29°13	19°16	3°50	28°16	29°10	10°56	n.a.	M 8
T 9	0 46 37	10° 6'09	26°43	24°22	13° 1	24°39	3°42	3°46	29°17	19°16	3°51	28°14	29° 7	11° 2	n.a.	T 9
W10	0 50 34	11° 6'38	11♈58	25°51	14°14	25°16	3°55	3°53	29°20	19°16	3°53	28°13	29° 4	11° 9	n.a.	W10
T 11	0 54 30	12° 7'09	27°12	27°20	15°28	25°53	4° 8	4° 1	29°24	19°16	3°54	28°D12	29° 1	11°15	n.a.	T 11
F 12	0 58 27	13° 7'42	12♉13	28°48	16°41	26°30	4°21	4° 8	29°28	19°16	3°56	28°13	28°58	11°22	n.a.	F 12
S 13	1 2 24	14° 8'17	26°56	0♏16	17°55	27° 6	4°35	4°15	29°31	19°16	3°57	28°13	28°55	11°29	n.a.	S 13
S 14	1 6 20	15° 8'54	11♊14	1°44	19° 8	27°43	4°48	4°22	29°35	19°16	3°59	28°15	28°51	11°35	n.a.	S 14
M15	1 10 17	16° 9'32	25° 5	3°10	20°21	28°20	5° 1	4°29	29°39	19°17	4° 0	28°16	28°48	11°42	n.a.	M15
T 16	1 14 13	17°10'12	8♋30	4°37	21°35	28°57	5°14	4°36	29°42	19°17	4° 2	28°16	28°45	11°49	n.a.	T 16
W17	1 18 10	18°10'54	21°31	6° 2	22°48	29°34	5°27	4°43	29°46	19°17	4° 3	28°R16	28°42	11°55	n.a.	W17
T 18	1 22 6	19°11'38	4♌10	7°27	24° 1	0♍11	5°40	4°50	29°50	19°18	4° 5	28°16	28°39	12° 2	n.a.	T 18
F 19	1 26 3	20°12'24	16°32	8°51	25°14	0°48	5°53	4°57	29°53	19°18	4° 7	28°15	28°36	12° 9	n.a.	F 19
S 20	1 29 59	21°13'11	28°40	10°15	26°28	1°25	6° 6	5° 3	29°57	19°18	4° 8	28°14	28°32	12°15	n.a.	S 20
S 21	1 33 56	22°14'00	10♍38	11°37	27°41	2° 1	6°19	5°10	0♎ 1	19°19	4°10	28°13	28°29	12°22	n.a.	S 21
M22	1 37 53	23°14'51	22°30	12°58	28°54	2°38	6°32	5°17	0° 4	19°19	4°12	28°13	28°26	12°29	n.a.	M22
T 23	1 41 49	24°15'43	4♎18	14°18	0♐ 7	3°15	6°45	5°24	0° 8	19°20	4°13	28°12	28°23	12°35	n.a.	T 23
W24	1 45 46	25°16'36	16° 6	15°36	1°20	3°52	6°58	5°31	0°11	19°20	4°15	28°12	28°20	12°42	n.a.	W24
T 25	1 49 42	26°17'31	27°55	16°53	2°33	4°28	7°11	5°38	0°15	19°21	4°17	28°D12	28°16	12°49	n.a.	T 25
F 26	1 53 39	27°18'27	9♏47	18° 8	3°46	5° 5	7°24	5°45	0°18	19°22	4°19	28°12	28°13	12°55	n.a.	F 26
S 27	1 57 35	28°19'25	21°44	19°20	4°59	5°42	7°37	5°51	0°22	19°22	4°20	28°R12	28°10	13° 2	n.a.	S 27
S 28	2 1 32	29°20'23	3♐50	20°30	6°12	6°18	7°50	5°58	0°25	19°23	4°22	28°12	28° 7	13° 9	n.a.	S 28
M29	2 5 28	0♏21'23	16° 5	21°37	7°25	6°55	8° 3	6° 5	0°29	19°24	4°24	28°11	28° 4	13°15	n.a.	M29
T 30	2 9 25	1°22'23	28°33	22°41	8°38	7°31	8°15	6°11	0°32	19°25	4°26	28°11	28° 1	13°22	n.a.	T 30
W31	2 13 22	2♏23'24	11♑16	23♏41	9♐51	8♍ 8	8♎28	6♎18	0♎35	19♑25	4♐28	28♎11	27♎57	13♎28	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	0s50	18s30	3n16	5s26	0s36	13s24	0s42	16n24	1n23	0n18	1n10	1n 0	2n20	1n 6	0n40	22s34	0s13	17s34	3n39	11s 2	11s27	5s38			n.a.
T 2	1 14	19 14	4 5	6 9	0 42	13 52	0 45	16 13	1 23	0 12	1 10	0 57	2 20	1 4	0 40	22 34	0 13	17 35	3 39	11 3	11 26	5 40			n.a.
W 3	1 38	19 2	4 42	6 51	0 49	14 20	0 48	16 1	1 23	0 7	1 10	0 54	2 20	1 3	0 40	22 34	0 13	17 35	3 39	11 3	11 25	5 42			n.a.
T 4	2 2	17 49	5 7	7 32	0 55	14 48	0 51	15 49	1 23	0 2	1 10	0 52	2 20	1 1	0 40	22 34	0 13	17 35	3 39	11 3	11 24	5 44			n.a.
F 5	2 27	15 36	5 16	8 14	1 2	15 15	0 54	15 37	1 24	0s 4	1 10	0 49	2 20	1 0	0 40	22 34	0 13	17 36	3 39	11 3	11 23	5 46			n.a.
S 6	2 51	12 25	5 6	8 55	1 8	15 41	0 57	15 25	1 24	0 9	1 10	0 46	2 20	0 58	0 40	22 34	0 13	17 36	3 38	11 2	11 22	5 48			n.a.
S 7	3 15	8 24	4 38	9 35	1 14	16 8	1 0	15 13	1 24	0 14	1 10	0 43	2 20	0 57	0 40	22 34	0 13	17 37	3 38	11 1	11 20	5 50			n.a.
M 8	3 39	3 46	3 50	10 15	1 20	16 33	1 2	15 1	1 25	0 20	1 10	0 40	2 20	0 55	0 40	22 34	0 13	17 37	3 38	11 0	11 19	5 52			n.a.
T 9	4 3	1n12	2 46	10 54	1 26	16 59	1 5	14 48	1 25	0 25	1 10	0 37	2 20	0 54	0 40	22 34	0 13	17 38	3 38	10 59	11 18	5 53			n.a.
W10	4 27	6 9	1 29	11 32	1 32	17 24	1 8	14 36	1 25	0 30	1 10	0 35	2 20	0 52	0 40	22 34	0 13	17 38	3 38	10 59	11 17	5 55			n.a.
T 11	4 51	10 42	0 6	12 10	1 38	17 48	1 11	14 24	1 25	0 36	1 10	0 32	2 20	0 51	0 40	22 34	0 13	17 39	3 37	10 58	11 16	5 57			n.a.
F 12	5 15	14 29	1s17	12 47	1 43	18 13	1 13	14 11	1 26	0 41	1 10	0 29	2 20	0 49	0 40	22 34	0 13	17 39	3 37	10 58	11 15	5 59			n.a.
S 13	5 39	17 15	2 33	13 24	1 48	18 36	1 16	13 59	1 26	0 46	1 10	0 26	2 20	0 48	0 40	22 34	0 13	17 39	3 37	10 59	11 14	6 1			n.a.
S 14	6 2	18 50	3 37	14 0	1 53	18 59	1 19	13 46	1 26	0 52	1 10	0 23	2 20	0 46	0 40	22 34	0 13	17 40	3 37	10 59	11 12	6 3			n.a.
M15	6 26	19 13	4 26	14 35	1 58	19 22	1 21	13 33	1 27	0 57	1 10	0 21	2 21	0 45	0 40	22 34	0 13	17 40	3 37	11 0	11 11	6 5			n.a.
T 16	6 50	18 30	4 59	15 9	2 3	19 44	1 24	13 21	1 27	1 2	1 10	0 18	2 21	0 43	0 40	22 34	0 13	17 41	3 37	11 0	11 10	6 7			n.a.
W17	7 13	16 49	5 15	15 42	2 7	20 6	1 26	13 8	1 27	1 7	1 10	0 15	2 21	0 42	0 40	22 34	0 13	17 41	3 36	11 0	11 9	6 8			n.a.
T 18	7 37	14 21	5 16	16 14	2 11	20 27	1 29	12 55	1 27	1 13	1 10	0 12	2 21	0 40	0 40	22 34	0 13	17 42	3 36	11 0	11 8	6 10			n.a.
F 19	8 0	11 17	5 2	16 46	2 15	20 48	1 31	12 42	1 28	1 18	1 10	0 10	2 21	0 39	0 40	22 34	0 13	17 42	3 36	10 59	11 7	6 12			n.a.
S 20	8 23	7 49	4 34	17 16	2 18	21 8	1 34	12 29	1 28	1 23	1 10	0 7	2 21	0 38	0 40	22 33	0 13	17 43	3 36	10 59	11 6	6 14			n.a.
S 21	8 46	4 3	3 55	17 45	2 21	21 27	1 36	12 16	1 28	1 28	1 10	0 4	2 21	0 36	0 40	22 33	0 13	17 43	3 36	10 59	11 4	6 16			n.a.
M22	9 9	0 10	3 6	18 13	2 24	21 46	1 38	12 2	1 28	1 33	1 10	0 1	2 21	0 35	0 40	22 33	0 13	17 44	3 36	10 58	11 3	6 18			n.a.
T 23	9 32	3s42	2 9	18 39	2 26	22 4	1 40	11 49	1 29	1 39	1 10	0s 1	2 21	0 33	0 40	22 33	0 13	17 44	3 35	10 58	11 2	6 20			n.a.
W24	9 54	7 26	1 7	19 5	2 28	22 22	1 43	11 36	1 29	1 44	1 10	0 4	2 21	0 32	0 40	22 33	0 13	17 45	3 35	10 58	11 1	6 21			n.a.
T 25	10 17	10 53	0 2	19 28	2 29	22 39	1 45	11 23	1 29	1 49	1 10	0 7	2 21	0 30	0 40	22 33	0 13	17 45	3 35	10 58	11 0	6 23			n.a.
F 26	10 39	13 55	1n 4	19 51	2 30	22 55	1 47	11 9	1 30	1 54	1 10	0 9	2 21	0 29	0 40	22 33	0 13	17 46	3 35	10 58	10 59	6 25			n.a.
S 27	11 1	16 23	2 7	20 11	2 30	23 11	1 49	10 56	1 30	1 59	1 10	0 12	2 21	0 28	0 40	22 33	0 13	17 46	3 35	10 58	10 58	6 27			n.a.
S 28	11 23	18 9	3 6	20 30	2 29	23 26	1 51	10 42	1 30	2 4	1 10	0 14	2 21	0 26	0 40	22 33	0 13	17 47	3 35	10 58	10 56	6 29			n.a.
M29	11 45	19 6	3 56	20 47	2 28	23 41	1 53	10 29	1 30	2 9	1 10	0 17	2 21	0 25	0 40	22 33	0 13	17 47	3 34	10 58	10 55	6 31			n.a.
T 30	12 6	19 8	4 37	21 1	2 25	23 55	1 54	10 15	1 31	2 14	1 10	0 20	2 22	0 24	0 40	22 33	0 13	17 48	3 34	10 58	10 54	6 32			n.a.
W31	12s28	18s13	5n 4	21s14	2s22	24s 8	1s56	10n 2	1n31	2s19	1n10	0s22	2n22	0n22	0n40	22s33	0s13	17s48	3n34	10s58	10s53	6s34			n.a.

Julian Day Number = 1552585.5, Delta T = 04h29m47s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'24, Lahiri = -10°20'23 Julian Calendar 1 Oct. 463 BCE == Greg. Calendar 26 Sept. 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

NOVEMBER 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 17 18	3♏24'27	24♑17	24♏37	11♐ 3	8♍44	8♎41	6♎25	0♎39	19♑26	4♐30	28°R10	27♎54	13♎35	n.a.	T 1
F 2	2 21 15	4°25'29	7♒40	25°28	12°16	9°21	8°53	6°31	0°42	19°27	4°32	28°D10	27°51	13°42	n.a.	F 2
S 3	2 25 11	5°26'33	21°25	26°13	13°29	9°57	9° 6	6°38	0°45	19°28	4°34	28♎11	27°48	13°48	n.a.	S 3
S 4	2 29 8	6°27'37	5♓34	26°52	14°41	10°34	9°18	6°44	0°48	19°29	4°35	28°11	27°45	13°55	n.a.	S 4
M 5	2 33 4	7°28'42	20° 4	27°24	15°54	11°10	9°31	6°51	0°52	19°30	4°37	28°12	27°42	14° 2	n.a.	M 5
T 6	2 37 1	8°29'48	4♈54	27°48	17° 6	11°46	9°43	6°57	0°55	19°31	4°39	28°13	27°38	14° 8	n.a.	T 6
W 7	2 40 57	9°30'54	19°56	28° 3	18°19	12°23	9°56	7° 4	0°58	19°32	4°41	28°13	27°35	14°15	n.a.	W 7
T 8	2 44 54	10°32'01	5♉ 2	28°R 8	19°31	12°59	10° 8	7°10	1° 1	19°33	4°43	28°R13	27°32	14°22	n.a.	T 8
F 9	2 48 51	11°33'08	20° 5	28° 3	20°43	13°35	10°20	7°16	1° 4	19°34	4°45	28°13	27°29	14°28	n.a.	F 9
S 10	2 52 47	12°34'17	4♊54	27°47	21°56	14°11	10°33	7°22	1° 7	19°35	4°47	28°11	27°26	14°35	n.a.	S 10
S 11	2 56 44	13°35'26	19°22	27°19	23° 8	14°47	10°45	7°29	1°11	19°36	4°49	28° 9	27°22	14°42	n.a.	S 11
M12	3 0 40	14°36'37	3♋25	26°40	24°20	15°24	10°57	7°35	1°14	19°37	4°51	28° 7	27°19	14°48	n.a.	M12
T 13	3 4 37	15°37'48	17° 1	25°49	25°32	16° 0	11° 9	7°41	1°17	19°39	4°53	28° 5	27°16	14°55	n.a.	T 13
W14	3 8 33	16°39'00	0♌ 9	24°48	26°44	16°36	11°21	7°47	1°19	19°40	4°55	28° 3	27°13	15° 2	n.a.	W14
T 15	3 12 30	17°40'12	12°53	23°39	27°56	17°12	11°33	7°53	1°22	19°41	4°57	28°D 2	27°10	15° 8	n.a.	T 15
F 16	3 16 26	18°41'26	25°16	22°22	29° 8	17°48	11°45	7°59	1°25	19°42	4°59	28° 3	27° 7	15°15	n.a.	F 16
S 17	3 20 23	19°42'40	7♍23	21° 2	0♑20	18°24	11°57	8° 5	1°28	19°44	5° 1	28° 4	27° 3	15°22	n.a.	S 17
S 18	3 24 20	20°43'55	19°18	19°39	1°31	19° 0	12° 8	8°11	1°31	19°45	5° 4	28° 5	27° 0	15°28	n.a.	S 18
M19	3 28 16	21°45'11	1♎ 7	18°17	2°43	19°36	12°20	8°17	1°34	19°46	5° 6	28° 7	26°57	15°35	n.a.	M19
T 20	3 32 13	22°46'27	12°53	16°59	3°55	20°12	12°32	8°22	1°36	19°48	5° 8	28° 9	26°54	15°41	n.a.	T 20
W21	3 36 9	23°47'43	24°41	15°47	5° 6	20°47	12°43	8°28	1°39	19°49	5°10	28°R 9	26°51	15°48	n.a.	W21
T 22	3 40 6	24°49'00	6♏34	14°44	6°18	21°23	12°55	8°34	1°42	19°51	5°12	28° 9	26°47	15°55	n.a.	T 22
F 23	3 44 2	25°50'18	18°34	13°49	7°29	21°59	13° 6	8°39	1°44	19°52	5°14	28° 7	26°44	16° 1	n.a.	F 23
S 24	3 47 59	26°51'35	0♐43	13° 5	8°40	22°35	13°18	8°45	1°47	19°54	5°16	28° 4	26°41	16° 8	n.a.	S 24
S 25	3 51 55	27°52'53	13° 4	12°31	9°51	23°10	13°29	8°50	1°49	19°55	5°18	28° 0	26°38	16°15	n.a.	S 25
M26	3 55 52	28°54'11	25°35	12° 8	11° 2	23°46	13°40	8°56	1°52	19°57	5°20	27°54	26°35	16°21	n.a.	M26
T 27	3 59 49	29°55'29	8♑19	11°56	12°13	24°21	13°51	9° 1	1°54	19°59	5°22	27°49	26°32	16°28	n.a.	T 27
W28	4 3 45	0♐56'47	21°16	11°D53	13°24	24°57	14° 2	9° 6	1°57	20° 0	5°25	27°43	26°28	16°35	n.a.	W28
T 29	4 7 42	1°58'04	4♒27	11°59	14°35	25°32	14°13	9°11	1°59	20° 2	5°27	27°39	26°25	16°41	n.a.	T 29
F 30	4 11 38	2♐59'21	17♒52	12♏14	15♑45	26♍ 8	14♎24	9♎17	2♎ 1	20♑ 3	5♐29	27♎36	26♎22	16♎48	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s49	16s20	5n17	21s24	2s18	24s20	1s58	9n48	1n31	2s24	1n10	0s25	2n22	0n21	0n40	22s32	0s13	17s49	3n34	10s58	10s52	6s36		n.a.
F 2	13 10	13 32	5 14	21 32	2 13	24 32	1 59	9 34	1 31	2 29	1 11	0 27	2 22	0 20	0 40	22 32	0 13	17 49	3 34	10 58	10 51	6 38		n.a.
S 3	13 30	9 56	4 52	21 37	2 7	24 43	2 1	9 21	1 32	2 34	1 11	0 30	2 22	0 18	0 40	22 32	0 13	17 50	3 34	10 58	10 50	6 40		n.a.
S 4	13 51	5 40	4 13	21 39	2 0	24 53	2 2	9 7	1 32	2 39	1 11	0 32	2 22	0 17	0 40	22 32	0 13	17 50	3 33	10 58	10 48	6 42		n.a.
M 5	14 11	0 58	3 17	21 38	1 51	25 3	2 4	8 53	1 32	2 44	1 11	0 35	2 22	0 16	0 40	22 32	0 13	17 51	3 33	10 58	10 47	6 43		n.a.
T 6	14 31	3n54	2 6	21 34	1 42	25 11	2 5	8 39	1 32	2 49	1 11	0 37	2 22	0 14	0 40	22 32	0 13	17 51	3 33	10 59	10 46	6 45		n.a.
W 7	14 51	8 36	0 46	21 27	1 30	25 19	2 6	8 26	1 32	2 54	1 11	0 40	2 22	0 13	0 40	22 32	0 13	17 52	3 33	10 59	10 45	6 47		n.a.
T 8	15 10	12 47	0s38	21 15	1 17	25 27	2 7	8 12	1 33	2 59	1 11	0 42	2 23	0 12	0 40	22 31	0 13	17 52	3 33	10 59	10 44	6 49		n.a.
F 9	15 30	16 5	1 58	21 0	1 3	25 33	2 8	7 58	1 33	3 4	1 11	0 45	2 23	0 11	0 40	22 31	0 13	17 53	3 33	10 59	10 43	6 51		n.a.
S 10	15 49	18 17	3 10	20 41	0 47	25 39	2 9	7 44	1 33	3 8	1 11	0 47	2 23	0 9	0 40	22 31	0 13	17 53	3 33	10 58	10 41	6 52		n.a.
S 11	16 7	19 13	4 7	20 18	0 30	25 44	2 10	7 30	1 33	3 13	1 11	0 49	2 23	0 8	0 40	22 31	0 13	17 54	3 32	10 57	10 40	6 54		n.a.
M12	16 26	18 55	4 48	19 51	0 12	25 49	2 11	7 16	1 34	3 18	1 11	0 52	2 23	0 7	0 40	22 31	0 13	17 54	3 32	10 56	10 39	6 56		n.a.
T 13	16 44	17 31	5 11	19 20	0n 8	25 52	2 12	7 2	1 34	3 23	1 11	0 54	2 23	0 6	0 40	22 31	0 13	17 55	3 32	10 56	10 38	6 58		n.a.
W14	17 2	15 14	5 16	18 46	0 28	25 55	2 12	6 48	1 34	3 27	1 11	0 56	2 23	0 5	0 40	22 30	0 13	17 55	3 32	10 55	10 37	7 0		n.a.
T 15	17 19	12 16	5 6	18 9	0 49	25 57	2 13	6 34	1 34	3 32	1 11	0 58	2 23	0 3	0 40	22 30	0 13	17 56	3 32	10 55	10 36	7 2		n.a.
F 16	17 37	8 51	4 42	17 30	1 9	25 58	2 13	6 20	1 35	3 37	1 11	1 1	2 24	0 2	0 40	22 30	0 13	17 56	3 32	10 55	10 34	7 3		n.a.
S 17	17 53	5 7	4 5	16 50	1 28	25 59	2 14	6 6	1 35	3 41	1 11	1 3	2 24	0 1	0 40	22 30	0 13	17 57	3 32	10 55	10 33	7 5		n.a.
S 18	18 10	1 15	3 19	16 10	1 47	25 58	2 14	5 52	1 35	3 46	1 12	1 5	2 24	0 0	0 40	22 30	0 13	17 57	3 32	10 56	10 32	7 7		n.a.
M19	18 26	2s38	2 24	15 31	2 4	25 57	2 14	5 38	1 35	3 50	1 12	1 7	2 24	0s 1	0 40	22 30	0 13	17 58	3 31	10 56	10 31	7 9		n.a.
T 20	18 42	6 26	1 23	14 55	2 19	25 56	2 14	5 23	1 35	3 55	1 12	1 9	2 24	0 2	0 40	22 29	0 13	17 58	3 31	10 57	10 30	7 11		n.a.
W21	18 58	9 59	0 19	14 22	2 31	25 53	2 14	5 9	1 36	3 59	1 12	1 12	2 24	0 3	0 40	22 29	0 13	17 59	3 31	10 57	10 29	7 12		n.a.
T 22	19 13	13 9	0n46	13 53	2 42	25 50	2 14	4 55	1 36	4 4	1 12	1 14	2 25	0 4	0 40	22 29	0 13	17 59	3 31	10 57	10 28	7 14		n.a.
F 23	19 28	15 49	1 50	13 30	2 50	25 46	2 14	4 41	1 36	4 8	1 12	1 16	2 25	0 5	0 40	22 29	0 13	17 59	3 31	10 57	10 26	7 16		n.a.
S 24	19 42	17 48	2 49	13 11	2 56	25 41	2 13	4 27	1 36	4 12	1 12	1 18	2 25	0 6	0 40	22 28	0 13	18 0	3 31	10 55	10 25	7 18		n.a.
S 25	19 57	18 59	3 42	12 57	2 59	25 35	2 13	4 13	1 36	4 17	1 12	1 20	2 25	0 7	0 40	22 28	0 13	18 0	3 31	10 54	10 24	7 20		n.a.
M26	20 10	19 16	4 24	12 48	3 1	25 29	2 12	3 59	1 37	4 21	1 12	1 22	2 25	0 8	0 40	22 28	0 13	18 1	3 31	10 52	10 23	7 21		n.a.
T 27	20 24	18 35	4 54	12 44	3 1	25 22	2 12	3 45	1 37	4 25	1 12	1 24	2 25	0 9	0 40	22 28	0 14	18 1	3 30	10 50	10 22	7 23		n.a.
W28	20 37	16 56	5 10	12 44	3 0	25 14	2 11	3 31	1 37	4 30	1 13	1 26	2 26	0 10	0 40	22 28	0 14	18 2	3 30	10 48	10 21	7 25		n.a.
T 29	20 49	14 23	5 10	12 49	2 57	25 5	2 10	3 17	1 37	4 34	1 13	1 28	2 26	0 11	0 40	22 27	0 14	18 2	3 30	10 46	10 19	7 27		n.a.
F 30	21s 2	11s 2	4n53	12s57	2n54	24s56	2s 9	3n 3	1n37	4s38	1n13	1s29	2n26	0s12	0n40	22s27	0s14	18s 3	3n30	10s45	10s18	7s28		n.a.

Julian Day Number = 1552616.5, Delta T = 04h29m46s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'19, Lahiri = -10°20'19 Julian Calendar 1 Nov. 463 BCE == Greg. Calendar 27 Oct. 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 463 BCE
geocentric

DECEMBER 463 BCE (-462) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 15 35	4♐ 0'38	1♓32	12♏36	16♑56	26♍43	14♎35	9♎22	2♎ 4	20♑ 5	5♐31	27°D35	26♎19	16♎55	n.a.	S 1
S 2	4 19 31	5° 1'54	15°27	13° 5	18° 6	27°18	14°45	9°27	2° 6	20° 7	5°33	27♎35	26°16	17° 1	n.a.	S 2
M 3	4 23 28	6° 3'10	29°38	13°41	19°16	27°54	14°56	9°32	2° 8	20° 9	5°35	27°37	26°13	17° 8	n.a.	M 3
T 4	4 27 24	7° 4'25	14♈ 3	14°22	20°27	28°29	15° 6	9°36	2°10	20°10	5°37	27°38	26° 9	17°15	n.a.	T 4
W 5	4 31 21	8° 5'40	28°40	15° 9	21°37	29° 4	15°17	9°41	2°12	20°12	5°39	27°R39	26° 6	17°21	n.a.	W 5
T 6	4 35 18	9° 6'54	13♉24	16° 0	22°46	29°39	15°27	9°46	2°14	20°14	5°42	27°38	26° 3	17°28	n.a.	T 6
F 7	4 39 14	10° 8'08	28° 8	16°55	23°56	0♎14	15°37	9°51	2°16	20°16	5°44	27°35	26° 0	17°34	n.a.	F 7
S 8	4 43 11	11° 9'21	12♊45	17°53	25° 6	0°49	15°47	9°55	2°18	20°18	5°46	27°29	25°57	17°41	n.a.	S 8
S 9	4 47 7	12°10'34	27° 9	18°55	26°15	1°24	15°57	10° 0	2°20	20°20	5°48	27°22	25°53	17°48	n.a.	S 9
M10	4 51 4	13°11'47	11♋12	19°59	27°24	1°59	16° 7	10° 4	2°22	20°21	5°50	27°15	25°50	17°54	n.a.	M10
T 11	4 55 0	14°12'59	24°52	21° 6	28°33	2°34	16°17	10° 8	2°24	20°23	5°52	27° 7	25°47	18° 1	n.a.	T 11
W12	4 58 57	15°14'11	8♌ 6	22°16	29°42	3° 8	16°27	10°13	2°26	20°25	5°54	27° 0	25°44	18° 8	n.a.	W12
T 13	5 2 54	16°15'23	20°55	23°27	0♒51	3°43	16°36	10°17	2°27	20°27	5°56	26°54	25°41	18°14	n.a.	T 13
F 14	5 6 50	17°16'34	3♍22	24°40	2° 0	4°18	16°46	10°21	2°29	20°29	5°59	26°51	25°38	18°21	n.a.	F 14
S 15	5 10 47	18°17'45	15°31	25°55	3° 8	4°52	16°55	10°25	2°31	20°31	6° 1	26°D50	25°34	18°28	n.a.	S 15
S 16	5 14 43	19°18'55	27°28	27°12	4°16	5°27	17° 5	10°29	2°32	20°33	6° 3	26°50	25°31	18°34	n.a.	S 16
M17	5 18 40	20°20'05	9♎16	28°30	5°24	6° 1	17°14	10°33	2°34	20°35	6° 5	26°51	25°28	18°41	n.a.	M17
T 18	5 22 36	21°21'14	21° 3	29°49	6°32	6°36	17°23	10°37	2°35	20°37	6° 7	26°R52	25°25	18°48	n.a.	T 18
W19	5 26 33	22°22'23	2♏53	1♐10	7°40	7°10	17°32	10°40	2°36	20°39	6° 9	26°52	25°22	18°54	n.a.	W19
T 20	5 30 29	23°23'31	14°50	2°31	8°48	7°44	17°40	10°44	2°38	20°41	6°11	26°50	25°19	19° 1	n.a.	T 20
F 21	5 34 26	24°24'39	26°58	3°54	9°55	8°18	17°49	10°47	2°39	20°43	6°13	26°46	25°15	19° 8	n.a.	F 21
S 22	5 38 23	25°25'46	9♐19	5°18	11° 2	8°53	17°58	10°51	2°40	20°46	6°15	26°39	25°12	19°14	n.a.	S 22
S 23	5 42 19	26°26'52	21°56	6°42	12° 9	9°27	18° 6	10°54	2°41	20°48	6°17	26°30	25° 9	19°21	n.a.	S 23
M24	5 46 16	27°27'57	4♑49	8° 8	13°15	10° 0	18°14	10°57	2°42	20°50	6°19	26°19	25° 6	19°27	n.a.	M24
T 25	5 50 12	28°29'01	17°56	9°34	14°22	10°34	18°23	11° 0	2°43	20°52	6°21	26° 7	25° 3	19°34	n.a.	T 25
W26	5 54 9	29°30'04	1♒16	11° 1	15°28	11° 8	18°31	11° 4	2°44	20°54	6°23	25°56	24°59	19°41	n.a.	W26
T 27	5 58 5	0♑31'05	14°47	12°29	16°34	11°42	18°38	11° 7	2°45	20°56	6°25	25°47	24°56	19°47	n.a.	T 27
F 28	6 2 2	1°32'05	28°27	13°58	17°39	12°15	18°46	11° 9	2°46	20°58	6°27	25°40	24°53	19°54	n.a.	F 28
S 29	6 5 58	2°33'04	12♓16	15°27	18°45	12°49	18°54	11°12	2°47	21° 1	6°29	25°35	24°50	20° 1	n.a.	S 29
S 30	6 9 55	3°34'01	26°12	16°58	19°50	13°22	19° 1	11°15	2°48	21° 3	6°31	25°34	24°47	20° 7	n.a.	S 30
M31	6 13 52	4♑34'57	10♈14	18♐29	20♒54	13♎56	19♎ 9	11♎17	2♎49	21♑ 5	6♐33	25°D34	24♎44	20♎14	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s13	7s 2	4n19	13s 8	2n49	24s46	2s 8	2n48	1n37	4s42	1n13	1s31	2n26	0s13	0n40	22s27	0s14	18s 3	3n30	10s45	10s17	7s30		n.a.
S 2	21 25	2 35	3 30	13 22	2 44	24 36	2 6	2 34	1 38	4 46	1 13	1 33	2 26	0 14	0 40	22 27	0 14	18 4	3 30	10 45	10 16	7 32		n.a.
M 3	21 36	2n 6	2 27	13 39	2 37	24 24	2 5	2 20	1 38	4 50	1 13	1 35	2 26	0 15	0 40	22 26	0 14	18 4	3 30	10 45	10 15	7 34		n.a.
T 4	21 46	6 44	1 13	13 58	2 31	24 12	2 4	2 6	1 38	4 54	1 13	1 37	2 27	0 15	0 41	22 26	0 14	18 5	3 30	10 46	10 14	7 36		n.a.
W 5	21 56	11 3	0s 6	14 18	2 24	24 0	2 2	1 52	1 38	4 58	1 13	1 38	2 27	0 16	0 41	22 26	0 14	18 5	3 30	10 46	10 12	7 37		n.a.
T 6	22 6	14 43	1 25	14 40	2 16	23 46	2 0	1 38	1 38	5 2	1 13	1 40	2 27	0 17	0 41	22 26	0 14	18 6	3 30	10 46	10 11	7 39		n.a.
F 7	22 15	17 26	2 38	15 3	2 8	23 32	1 58	1 24	1 38	5 6	1 14	1 42	2 27	0 18	0 41	22 25	0 14	18 6	3 29	10 45	10 10	7 41		n.a.
S 8	22 24	18 59	3 40	15 28	2 0	23 18	1 57	1 10	1 39	5 10	1 14	1 43	2 27	0 18	0 41	22 25	0 14	18 7	3 29	10 43	10 9	7 43		n.a.
S 9	22 33	19 16	4 27	15 53	1 52	23 3	1 54	0 57	1 39	5 13	1 14	1 45	2 28	0 19	0 41	22 25	0 14	18 7	3 29	10 40	10 8	7 44		n.a.
M10	22 41	18 21	4 57	16 18	1 44	22 47	1 52	0 43	1 39	5 17	1 14	1 46	2 28	0 20	0 41	22 24	0 14	18 7	3 29	10 37	10 7	7 46		n.a.
T 11	22 48	16 23	5 8	16 44	1 35	22 31	1 50	0 29	1 39	5 21	1 14	1 48	2 28	0 21	0 41	22 24	0 14	18 8	3 29	10 35	10 5	7 48		n.a.
W12	22 55	13 36	5 3	17 10	1 27	22 14	1 48	0 15	1 39	5 24	1 14	1 50	2 28	0 21	0 41	22 24	0 14	18 8	3 29	10 32	10 4	7 50		n.a.
T 13	23 2	10 15	4 42	17 37	1 18	21 56	1 45	0 1	1 39	5 28	1 14	1 51	2 29	0 22	0 41	22 24	0 14	18 9	3 29	10 30	10 3	7 51		n.a.
F 14	23 8	6 33	4 8	18 3	1 10	21 38	1 42	0s13	1 39	5 32	1 14	1 52	2 29	0 23	0 41	22 23	0 14	18 9	3 29	10 29	10 2	7 53		n.a.
S 15	23 14	2 39	3 24	18 30	1 1	21 19	1 40	0 26	1 40	5 35	1 15	1 54	2 29	0 23	0 41	22 23	0 14	18 10	3 29	10 28	10 1	7 55		n.a.
S 16	23 19	1s18	2 32	18 56	0 53	21 0	1 37	0 40	1 40	5 39	1 15	1 55	2 29	0 24	0 41	22 23	0 14	18 10	3 29	10 28	10 0	7 57		n.a.
M17	23 23	5 9	1 33	19 21	0 45	20 41	1 34	0 54	1 40	5 42	1 15	1 56	2 29	0 24	0 41	22 22	0 14	18 11	3 29	10 29	9 58	7 58		n.a.
T 18	23 28	8 48	0 31	19 47	0 36	20 20	1 31	1 8	1 40	5 45	1 15	1 58	2 30	0 25	0 41	22 22	0 14	18 11	3 29	10 29	9 57	8 0		n.a.
W19	23 32	12 7	0n32	20 12	0 28	20 0	1 27	1 21	1 40	5 49	1 15	1 59	2 30	0 25	0 41	22 22	0 14	18 11	3 29	10 29	9 56	8 2		n.a.
T 20	23 35	14 59	1 35	20 36	0 20	19 39	1 24	1 35	1 40	5 52	1 15	2 0	2 30	0 26	0 41	22 21	0 14	18 12	3 28	10 29	9 55	8 4		n.a.
F 21	23 38	17 14	2 34	21 0	0 12	19 17	1 20	1 48	1 40	5 55	1 15	2 1	2 30	0 26	0 41	22 21	0 14	18 12	3 28	10 27	9 54	8 5		n.a.
S 22	23 40	18 43	3 27	21 23	0 4	18 55	1 17	2 2	1 40	5 58	1 16	2 3	2 31	0 27	0 41	22 21	0 14	18 13	3 28	10 24	9 52	8 7		n.a.
S 23	23 42	19 20	4 11	21 46	0s 3	18 32	1 13	2 15	1 40	6 1	1 16	2 4	2 31	0 27	0 41	22 21	0 14	18 13	3 28	10 21	9 51	8 9		n.a.
M24	23 43	18 57	4 43	22 7	0 11	18 10	1 9	2 29	1 40	6 4	1 16	2 5	2 31	0 28	0 41	22 20	0 14	18 13	3 28	10 17	9 50	8 11		n.a.
T 25	23 44	17 34	5 0	22 28	0 18	17 46	1 5	2 42	1 41	6 7	1 16	2 6	2 31	0 28	0 41	22 20	0 14	18 14	3 28	10 13	9 49	8 12		n.a.
W26	23 45	15 13	5 2	22 48	0 25	17 23	1 1	2 55	1 41	6 10	1 16	2 7	2 32	0 28	0 41	22 20	0 14	18 14	3 28	10 9	9 48	8 14		n.a.
T 27	23 45	12 2	4 47	23 7	0 32	16 59	0 57	3 8	1 41	6 13	1 16	2 8	2 32	0 29	0 41	22 19	0 14	18 15	3 28	10 5	9 47	8 16		n.a.
F 28	23 44	8 10	4 16	23 25	0 39	16 34	0 53	3 22	1 41	6 16	1 17	2 9	2 32	0 29	0 41	22 19	0 14	18 15	3 28	10 3	9 45	8 18		n.a.
S 29	23 43	3 50	3 29	23 42	0 46	16 10	0 48	3 35	1 41	6 19	1 17	2 9	2 32	0 29	0 41	22 19	0 14	18 15	3 28	10 1	9 44	8 19		n.a.
S 30	23 42	0n45	2 30	23 58	0 52	15 45	0 43	3 48	1 41	6 22	1 17	2 10	2 32	0 30	0 41	22 18	0 14	18 16	3 28	10 0	9 43	8 21		n.a.
M31	23s40	5n20	1n21	24s13	0s58	15s19	0s39	4s 1	1n41	6s24	1n17	2s11	2n33	0s30	0n41	22s18	0s14	18s16	3n28	10s 0	9s42	8s23		n.a.

Julian Day Number = 1552646.5, Delta T = 04h29m45s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'15, Lahiri = -10°20'15 Julian Calendar 1 Dec. 463 BCE == Greg. Calendar 26 Nov. 463 BCE

The year -462 astronomical counting style corresponds to year 463 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

JANUARY 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 17 48	5♑35'51	24♈22	20♐ 0	21♒59	14♎29	19♎16	11♎20	2♎49	21♑ 7	6♐35	25°R34	24♎40	20♎21	n.a.	T 1
W 2	6 21 45	6°36'44	8♉36	21°33	23° 3	15° 2	19°23	11°22	2°50	21° 9	6°37	25♎33	24°37	20°27	n.a.	W 2
T 3	6 25 41	7°37'35	22°52	23° 6	24° 7	15°35	19°30	11°25	2°51	21°12	6°39	25°31	24°34	20°34	n.a.	T 3
F 4	6 29 38	8°38'24	7♊ 9	24°40	25°10	16° 8	19°37	11°27	2°51	21°14	6°41	25°25	24°31	20°41	n.a.	F 4
S 5	6 33 34	9°39'12	21°21	26°15	26°13	16°41	19°43	11°29	2°51	21°16	6°42	25°17	24°28	20°47	n.a.	S 5
S 6	6 37 31	10°39'58	5♋24	27°50	27°16	17°14	19°50	11°31	2°52	21°18	6°44	25° 6	24°25	20°54	n.a.	S 6
M 7	6 41 28	11°40'43	19°12	29°26	28°18	17°46	19°56	11°33	2°52	21°21	6°46	24°54	24°21	21° 1	n.a.	M 7
T 8	6 45 24	12°41'27	2♌43	1♑ 3	29°20	18°19	20° 2	11°35	2°52	21°23	6°48	24°41	24°18	21° 7	n.a.	T 8
W 9	6 49 21	13°42'09	15°52	2°41	0♓22	18°51	20° 8	11°37	2°53	21°25	6°50	24°29	24°15	21°14	n.a.	W 9
T 10	6 53 17	14°42'50	28°40	4°20	1°23	19°24	20°14	11°38	2°53	21°27	6°51	24°20	24°12	21°20	n.a.	T 10
F 11	6 57 14	15°43'29	11♍ 8	5°59	2°24	19°56	20°20	11°40	2°53	21°30	6°53	24°13	24° 9	21°27	n.a.	F 11
S 12	7 1 10	16°44'07	23°18	7°39	3°24	20°28	20°26	11°41	2°53	21°32	6°55	24° 8	24° 5	21°34	n.a.	S 12
S 13	7 5 7	17°44'43	5♎16	9°20	4°24	21° 0	20°31	11°42	2°R53	21°34	6°57	24° 6	24° 2	21°40	n.a.	S 13
M14	7 9 3	18°45'18	17° 6	11° 2	5°24	21°32	20°36	11°44	2°53	21°36	6°58	24° 6	23°59	21°47	n.a.	M14
T 15	7 13 0	19°45'52	28°53	12°45	6°23	22° 4	20°41	11°45	2°53	21°39	7° 0	24° 6	23°56	21°54	n.a.	T 15
W16	7 16 57	20°46'24	10♏44	14°29	7°21	22°35	20°46	11°46	2°53	21°41	7° 2	24° 5	23°53	22° 0	n.a.	W16
T 17	7 20 53	21°46'55	22°44	16°14	8°19	23° 7	20°51	11°47	2°52	21°43	7° 3	24° 3	23°50	22° 7	n.a.	T 17
F 18	7 24 50	22°47'25	4♐56	17°59	9°17	23°38	20°56	11°48	2°52	21°45	7° 5	23°58	23°46	22°14	n.a.	F 18
S 19	7 28 46	23°47'53	17°26	19°46	10°14	24°10	21° 0	11°48	2°52	21°48	7° 7	23°50	23°43	22°20	n.a.	S 19
S 20	7 32 43	24°48'19	0♑16	21°34	11°10	24°41	21° 4	11°49	2°52	21°50	7° 8	23°39	23°40	22°27	n.a.	S 20
M21	7 36 39	25°48'44	13°26	23°22	12° 6	25°12	21° 8	11°49	2°51	21°52	7°10	23°27	23°37	22°34	n.a.	M21
T 22	7 40 36	26°49'07	26°55	25°11	13° 1	25°42	21°12	11°50	2°51	21°55	7°11	23°13	23°34	22°40	n.a.	T 22
W23	7 44 32	27°49'28	10♒40	27° 2	13°56	26°13	21°16	11°50	2°50	21°57	7°13	23° 1	23°31	22°47	n.a.	W23
T 24	7 48 29	28°49'47	24°38	28°53	14°50	26°44	21°20	11°50	2°49	21°59	7°14	22°50	23°27	22°53	n.a.	T 24
F 25	7 52 26	29°50'04	8♓44	0♒45	15°43	27°14	21°23	11°51	2°49	22° 1	7°16	22°41	23°24	23° 0	n.a.	F 25
S 26	7 56 22	0♒50'18	22°54	2°38	16°36	27°44	21°26	11°R51	2°48	22° 4	7°17	22°36	23°21	23° 7	n.a.	S 26
S 27	8 0 19	1°50'31	7♈ 4	4°31	17°27	28°14	21°29	11°50	2°47	22° 6	7°19	22°33	23°18	23°13	n.a.	S 27
M28	8 4 15	2°50'41	21°13	6°25	18°19	28°44	21°32	11°50	2°47	22° 8	7°20	22°D33	23°15	23°20	n.a.	M28
T 29	8 8 12	3°50'50	5♉19	8°20	19° 9	29°14	21°35	11°50	2°46	22°10	7°21	22°R33	23°11	23°27	n.a.	T 29
W30	8 12 8	4°50'56	19°21	10°16	19°58	29°44	21°37	11°50	2°45	22°13	7°23	22°32	23° 8	23°33	n.a.	W30
T 31	8 16 5	5♒50'59	3♊18	12♒12	20♓47	0♏13	21♎39	11♎49	2♎44	22♑15	7♐24	22♎30	23♎ 5	23♎40	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23s38	9n40	0n 6	24s26	1s 4	14s54	0s34	4s14	1n41	6s27	1n17	2s12	2n33	0s30	0n41	22s18	0s14	18s16	3n28	10s 1	9s41	8s25			n.a.
W 2	23 35	13 28	1s 9	24 38	1 10	14 28	0 29	4 27	1 41	6 29	1 17	2 13	2 33	0 30	0 41	22 17	0 14	18 17	3 28	10 0	9 40	8 26			n.a.
T 3	23 32	16 29	2 20	24 49	1 15	14 2	0 24	4 40	1 41	6 32	1 18	2 13	2 33	0 31	0 41	22 17	0 14	18 17	3 28	9 59	9 38	8 28			n.a.
F 4	23 28	18 28	3 22	24 59	1 21	13 35	0 19	4 52	1 41	6 34	1 18	2 14	2 34	0 31	0 42	22 17	0 14	18 18	3 28	9 57	9 37	8 30			n.a.
S 5	23 24	19 18	4 11	25 7	1 26	13 9	0 13	5 5	1 41	6 37	1 18	2 14	2 34	0 31	0 42	22 16	0 14	18 18	3 28	9 54	9 36	8 31			n.a.
S 6	23 19	18 55	4 44	25 14	1 30	12 42	0 8	5 18	1 41	6 39	1 18	2 15	2 34	0 31	0 42	22 16	0 14	18 18	3 28	9 50	9 35	8 33			n.a.
M 7	23 14	17 24	5 0	25 20	1 35	12 15	0 2	5 30	1 41	6 41	1 18	2 16	2 35	0 31	0 42	22 16	0 14	18 19	3 28	9 46	9 34	8 35			n.a.
T 8	23 8	14 58	4 58	25 24	1 39	11 48	0n 3	5 43	1 41	6 43	1 19	2 16	2 35	0 31	0 42	22 15	0 14	18 19	3 28	9 41	9 32	8 37			n.a.
W 9	23 2	11 49	4 41	25 26	1 43	11 21	0 9	5 55	1 41	6 45	1 19	2 17	2 35	0 31	0 42	22 15	0 14	18 19	3 28	9 37	9 31	8 38			n.a.
T 10	22 55	8 12	4 10	25 27	1 46	10 53	0 15	6 8	1 41	6 48	1 19	2 17	2 35	0 31	0 42	22 14	0 14	18 20	3 27	9 33	9 30	8 40			n.a.
F 11	22 49	4 18	3 27	25 26	1 49	10 26	0 21	6 20	1 41	6 50	1 19	2 17	2 36	0 31	0 42	22 14	0 14	18 20	3 27	9 30	9 29	8 42			n.a.
S 12	22 41	0 19	2 36	25 24	1 52	9 58	0 27	6 32	1 41	6 51	1 19	2 18	2 36	0 31	0 42	22 14	0 14	18 20	3 27	9 29	9 28	8 43			n.a.
S 13	22 33	3s37	1 38	25 19	1 55	9 30	0 33	6 45	1 41	6 53	1 19	2 18	2 36	0 31	0 42	22 13	0 14	18 21	3 27	9 28	9 27	8 45			n.a.
M14	22 25	7 22	0 37	25 14	1 57	9 2	0 40	6 57	1 41	6 55	1 20	2 18	2 36	0 31	0 42	22 13	0 14	18 21	3 27	9 28	9 25	8 47			n.a.
T 15	22 16	10 49	0n25	25 6	1 59	8 34	0 46	7 9	1 41	6 57	1 20	2 18	2 37	0 31	0 42	22 13	0 14	18 21	3 27	9 28	9 24	8 48			n.a.
W16	22 7	13 52	1 27	24 56	2 0	8 6	0 53	7 21	1 41	6 59	1 20	2 19	2 37	0 31	0 42	22 12	0 14	18 21	3 27	9 28	9 23	8 50			n.a.
T 17	21 58	16 21	2 25	24 45	2 1	7 38	0 59	7 33	1 41	7 0	1 20	2 19	2 37	0 31	0 42	22 12	0 14	18 22	3 27	9 27	9 22	8 52			n.a.
F 18	21 48	18 9	3 18	24 32	2 2	7 10	1 6	7 44	1 40	7 2	1 20	2 19	2 37	0 31	0 42	22 12	0 14	18 22	3 27	9 25	9 21	8 53			n.a.
S 19	21 37	19 7	4 3	24 17	2 2	6 42	1 13	7 56	1 40	7 3	1 21	2 19	2 38	0 31	0 42	22 11	0 14	18 22	3 27	9 22	9 19	8 55			n.a.
S 20	21 27	19 9	4 36	24 0	2 1	6 14	1 20	8 8	1 40	7 5	1 21	2 19	2 38	0 31	0 42	22 11	0 14	18 23	3 27	9 18	9 18	8 57			n.a.
M21	21 15	18 9	4 56	23 40	2 0	5 46	1 27	8 19	1 40	7 6	1 21	2 19	2 38	0 30	0 42	22 11	0 14	18 23	3 27	9 13	9 17	8 59			n.a.
T 22	21 4	16 9	5 0	23 19	1 59	5 18	1 34	8 31	1 40	7 7	1 21	2 19	2 38	0 30	0 42	22 10	0 14	18 23	3 27	9 8	9 16	9 0			n.a.
W23	20 52	13 12	4 46	22 56	1 57	4 51	1 41	8 42	1 40	7 9	1 21	2 19	2 39	0 30	0 42	22 10	0 14	18 23	3 27	9 3	9 15	9 2			n.a.
T 24	20 40	9 28	4 16	22 31	1 55	4 23	1 49	8 53	1 40	7 10	1 22	2 18	2 39	0 30	0 42	22 10	0 14	18 24	3 27	8 59	9 13	9 4			n.a.
F 25	20 27	5 10	3 30	22 4	1 52	3 55	1 56	9 5	1 39	7 11	1 22	2 18	2 39	0 29	0 42	22 9	0 14	18 24	3 27	8 56	9 12	9 5			n.a.
S 26	20 14	0 34	2 30	21 35	1 49	3 28	2 4	9 16	1 39	7 12	1 22	2 18	2 39	0 29	0 42	22 9	0 14	18 24	3 27	8 54	9 11	9 7			n.a.
S 27	20 0	4n 5	1 21	21 4	1 44	3 0	2 12	9 27	1 39	7 13	1 22	2 18	2 40	0 29	0 42	22 8	0 14	18 24	3 27	8 53	9 10	9 9			n.a.
M28	19 47	8 29	0 7	20 31	1 40	2 33	2 19	9 38	1 39	7 14	1 22	2 17	2 40	0 28	0 42	22 8	0 14	18 25	3 27	8 53	9 9	9 10			n.a.
T 29	19 32	12 25	1s 7	19 56	1 35	2 6	2 27	9 48	1 39	7 15	1 23	2 17	2 40	0 28	0 42	22 8	0 14	18 25	3 27	8 53	9 8	9 12			n.a.
W30	19 18	15 36	2 17	19 19	1 29	1 39	2 35	9 59	1 38	7 15	1 23	2 17	2 40	0 28	0 42	22 7	0 14	18 25	3 27	8 53	9 6	9 14			n.a.
T 31	19s 3	17n51	3s18	18s40	1s22	1s12	2n43	10s10	1n38	7s16	1n23	2s16	2n41	0s27	0n42	22s 7	0s14	18s25	3n27	8s52	9s 5	9s15			n.a.

Julian Day Number = 1552677.5, Delta T = 04h29m44s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'11, Lahiri = -10°20'11 Julian Calendar 1 Jan. 462 BCE == Greg. Calendar 27 Dec. 463 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

FEBRUARY 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 20 1	6♒51'01	17♊11	14♒ 7	21♓35	0♏42	21♎41	11°R48	2°R43	22♑17	7♐25	22°R25	23♎ 2	23♎47	n.a.	F 1
S 2	8 23 58	7°51'00	0♋56	16° 3	22°22	1°11	21°43	11♎48	2♎42	22°19	7°27	22♎17	22°59	23°53	n.a.	S 2
S 3	8 27 54	8°50'57	14°32	17°59	23° 7	1°40	21°45	11°47	2°41	22°21	7°28	22° 6	22°56	24° 0	n.a.	S 3
M 4	8 31 51	9°50'52	27°56	19°54	23°52	2° 9	21°47	11°46	2°39	22°24	7°29	21°54	22°52	24° 7	n.a.	M 4
T 5	8 35 48	10°50'44	11♌ 6	21°49	24°36	2°37	21°48	11°45	2°38	22°26	7°30	21°42	22°49	24°13	n.a.	T 5
W 6	8 39 44	11°50'35	24° 1	23°42	25°19	3° 6	21°49	11°44	2°37	22°28	7°31	21°30	22°46	24°20	n.a.	W 6
T 7	8 43 41	12°50'23	6♍38	25°34	26° 1	3°34	21°50	11°43	2°36	22°30	7°32	21°21	22°43	24°27	n.a.	T 7
F 8	8 47 37	13°50'10	19° 0	27°24	26°41	4° 2	21°51	11°41	2°34	22°32	7°34	21°14	22°40	24°33	n.a.	F 8
S 9	8 51 34	14°49'54	1♎ 8	29°11	27°21	4°29	21°52	11°40	2°33	22°35	7°35	21° 9	22°37	24°40	n.a.	S 9
S 10	8 55 30	15°49'37	13° 5	0♓56	27°59	4°57	21°52	11°39	2°32	22°37	7°36	21° 7	22°33	24°46	n.a.	S 10
M11	8 59 27	16°49'18	24°55	2°38	28°36	5°24	21°52	11°37	2°30	22°39	7°37	21°D 7	22°30	24°53	n.a.	M11
T 12	9 3 23	17°48'57	6♏42	4°15	29°11	5°51	21°R52	11°35	2°29	22°41	7°38	21° 7	22°27	25° 0	n.a.	T 12
W13	9 7 20	18°48'34	18°33	5°49	29°45	6°18	21°52	11°34	2°27	22°43	7°39	21°R 8	22°24	25° 6	n.a.	W13
T 14	9 11 17	19°48'09	0♐33	7°17	0♈18	6°44	21°52	11°32	2°25	22°45	7°40	21° 7	22°21	25°13	n.a.	T 14
F 15	9 15 13	20°47'42	12°46	8°41	0°49	7°11	21°51	11°30	2°24	22°47	7°41	21° 5	22°17	25°20	n.a.	F 15
S 16	9 19 10	21°47'14	25°19	9°59	1°19	7°37	21°51	11°28	2°22	22°49	7°41	21° 0	22°14	25°26	n.a.	S 16
S 17	9 23 6	22°46'43	8♑13	11°10	1°47	8° 3	21°50	11°26	2°20	22°51	7°42	20°53	22°11	25°33	n.a.	S 17
M18	9 27 3	23°46'11	21°31	12°16	2°14	8°28	21°49	11°23	2°19	22°53	7°43	20°44	22° 8	25°40	n.a.	M18
T 19	9 30 59	24°45'36	5♒14	13°14	2°38	8°54	21°48	11°21	2°17	22°55	7°44	20°35	22° 5	25°46	n.a.	T 19
W20	9 34 56	25°45'00	19°18	14° 6	3° 1	9°19	21°46	11°19	2°15	22°57	7°45	20°25	22° 2	25°53	n.a.	W20
T 21	9 38 52	26°44'21	3♓39	14°50	3°23	9°43	21°44	11°16	2°13	22°59	7°45	20°17	21°58	26° 0	n.a.	T 21
F 22	9 42 49	27°43'40	18°11	15°27	3°42	10° 8	21°43	11°14	2°11	23° 1	7°46	20°11	21°55	26° 6	n.a.	F 22
S 23	9 46 45	28°42'57	2♈48	15°57	3°59	10°32	21°41	11°11	2° 9	23° 3	7°47	20° 8	21°52	26°13	n.a.	S 23
S 24	9 50 42	29°42'12	17°22	16°18	4°14	10°56	21°38	11° 8	2° 7	23° 5	7°47	20°D 7	21°49	26°19	n.a.	S 24
M25	9 54 39	0♓41'24	1♉49	16°33	4°28	11°19	21°36	11° 6	2° 5	23° 7	7°48	20° 7	21°46	26°26	n.a.	M25
T 26	9 58 35	1°40'33	16° 7	16°R39	4°39	11°42	21°33	11° 3	2° 3	23° 9	7°49	20° 8	21°42	26°33	n.a.	T 26
W27	10 2 32	2°39'41	0♊12	16°39	4°47	12° 5	21°31	11° 0	2° 1	23°11	7°49	20°R 9	21°39	26°39	n.a.	W27
T 28	10 6 28	3♓38'46	14♊ 4	16♓31	4♈54	12♏28	21♎28	10♎57	1♎59	23♑13	7♐50	20♎ 8	21♎36	26♎46	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18s48	19n 1	4s 7	18s 0	1s15	0s46	2n51	10s20	1n38	7s17	1n23	2s16	2n41	0s27	0n42	22s 7	0s14	18s26	3n27	8s50	9s 4	9s17		n.a.	F 1
S 2	18 33	19 3	4 41	17 18	1 7	0 20	2 59	10 31	1 38	7 17	1 23	2 15	2 41	0 26	0 42	22 6	0 14	18 26	3 27	8 47	9 3	9 19		n.a.	S 2
S 3	18 17	17 59	4 59	16 34	0 59	0n 6	3 8	10 41	1 37	7 18	1 24	2 15	2 41	0 26	0 42	22 6	0 14	18 26	3 27	8 43	9 2	9 20		n.a.	S 3
M 4	18 1	15 57	5 0	15 49	0 49	0 32	3 16	10 51	1 37	7 18	1 24	2 14	2 42	0 25	0 43	22 6	0 14	18 26	3 27	8 38	9 0	9 22		n.a.	M 4
T 5	17 44	13 6	4 45	15 3	0 40	0 57	3 24	11 2	1 37	7 18	1 24	2 13	2 42	0 25	0 43	22 5	0 14	18 26	3 27	8 34	8 59	9 24		n.a.	T 5
W 6	17 28	9 41	4 15	14 15	0 29	1 22	3 33	11 12	1 36	7 19	1 24	2 13	2 42	0 24	0 43	22 5	0 14	18 27	3 27	8 29	8 58	9 25		n.a.	W 6
T 7	17 11	5 53	3 33	13 27	0 18	1 46	3 41	11 22	1 36	7 19	1 24	2 12	2 42	0 24	0 43	22 5	0 14	18 27	3 27	8 26	8 57	9 27		n.a.	T 7
F 8	16 53	1 55	2 42	12 38	0 7	2 11	3 50	11 31	1 36	7 19	1 25	2 11	2 43	0 23	0 43	22 4	0 14	18 27	3 27	8 23	8 56	9 29		n.a.	F 8
S 9	16 36	2s 3	1 45	11 49	0n 5	2 34	3 59	11 41	1 35	7 19	1 25	2 11	2 43	0 23	0 43	22 4	0 14	18 27	3 27	8 21	8 54	9 30		n.a.	S 9
S 10	16 18	5 53	0 43	11 0	0 18	2 58	4 7	11 51	1 35	7 19	1 25	2 10	2 43	0 22	0 43	22 4	0 14	18 27	3 27	8 21	8 53	9 32		n.a.	S 10
M11	16 0	9 27	0n20	10 12	0 31	3 20	4 16	12 0	1 35	7 19	1 25	2 9	2 43	0 21	0 43	22 3	0 14	18 27	3 27	8 20	8 52	9 33		n.a.	M11
T 12	15 41	12 38	1 22	9 24	0 44	3 43	4 25	12 10	1 34	7 19	1 25	2 8	2 44	0 21	0 43	22 3	0 14	18 28	3 27	8 21	8 51	9 35		n.a.	T 12
W13	15 23	15 18	2 21	8 37	0 57	4 4	4 33	12 19	1 34	7 18	1 26	2 7	2 44	0 20	0 43	22 3	0 14	18 28	3 27	8 21	8 50	9 37		n.a.	W13
T 14	15 4	17 21	3 15	7 51	1 11	4 26	4 42	12 28	1 33	7 18	1 26	2 6	2 44	0 19	0 43	22 2	0 14	18 28	3 27	8 21	8 48	9 38		n.a.	T 14
F 15	14 45	18 39	4 0	7 7	1 24	4 46	4 51	12 38	1 33	7 18	1 26	2 5	2 44	0 19	0 43	22 2	0 14	18 28	3 27	8 20	8 47	9 40		n.a.	F 15
S 16	14 26	19 4	4 36	6 25	1 38	5 6	5 0	12 47	1 32	7 17	1 26	2 4	2 45	0 18	0 43	22 2	0 14	18 28	3 27	8 18	8 46	9 42		n.a.	S 16
S 17	14 6	18 32	4 58	5 46	1 51	5 26	5 9	12 56	1 32	7 17	1 26	2 3	2 45	0 17	0 43	22 1	0 14	18 28	3 27	8 15	8 45	9 43		n.a.	S 17
M18	13 46	16 58	5 6	5 9	2 4	5 44	5 17	13 4	1 31	7 16	1 27	2 2	2 45	0 17	0 43	22 1	0 14	18 28	3 27	8 12	8 44	9 45		n.a.	M18
T 19	13 26	14 25	4 56	4 34	2 16	6 2	5 26	13 13	1 31	7 16	1 27	2 1	2 45	0 16	0 43	22 1	0 14	18 29	3 27	8 8	8 42	9 47		n.a.	T 19
W20	13 6	10 59	4 28	4 3	2 29	6 19	5 35	13 22	1 30	7 15	1 27	2 0	2 45	0 15	0 43	22 0	0 14	18 29	3 27	8 5	8 41	9 48		n.a.	W20
T 21	12 46	6 50	3 43	3 36	2 40	6 36	5 43	13 30	1 29	7 14	1 27	1 59	2 46	0 14	0 43	22 0	0 14	18 29	3 27	8 2	8 40	9 50		n.a.	T 21
F 22	12 25	2 14	2 43	3 11	2 51	6 51	5 52	13 38	1 29	7 13	1 27	1 58	2 46	0 14	0 43	22 0	0 14	18 29	3 27	7 59	8 39	9 51		n.a.	F 22
S 23	12 4	2n32	1 32	2 51	3 0	7 6	6 0	13 47	1 28	7 12	1 27	1 56	2 46	0 13	0 43	21 59	0 14	18 29	3 27	7 58	8 38	9 53		n.a.	S 23
S 24	11 43	7 8	0 15	2 34	3 9	7 20	6 8	13 55	1 27	7 11	1 28	1 55	2 46	0 12	0 43	21 59	0 15	18 29	3 27	7 58	8 36	9 55		n.a.	S 24
M25	11 22	11 17	1s 3	2 22	3 17	7 32	6 17	14 3	1 27	7 10	1 28	1 54	2 46	0 11	0 43	21 59	0 15	18 29	3 27	7 58	8 35	9 56		n.a.	M25
T 26	11 1	14 42	2 16	2 13	3 23	7 44	6 24	14 11	1 26	7 9	1 28	1 53	2 47	0 10	0 43	21 58	0 15	18 29	3 27	7 58	8 34	9 58		n.a.	T 26
W27	10 40	17 12	3 19	2 9	3 28	7 55	6 32	14 19	1 25	7 8	1 28	1 51	2 47	0 9	0 43	21 58	0 15	18 29	3 27	7 58	8 33	9 59		n.a.	W27
T 28	10s18	18n39	4s10	2s 8	3n32	8n 4	6n40	14s26	1n24	7s 7	1n28	1s50	2n47	0s 9	0n43	21s58	0s15	18s29	3n27	7s58	8s32	10s 1		n.a.	T 28

Julian Day Number = 1552708.5, Delta T = 04h29m42s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'07, Lahiri = -10°20'06 Julian Calendar 1 Feb. 462 BCE == Greg. Calendar 27 Jan. 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

MARCH 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 10 25	4♓37'48	27♊43	16°R16	4♈58	12♏50	21°R25	10°R54	1°R57	23♑14	7♐50	20°R 6	21♎33	26♎53	n.a.	F 1
S 2	10 14 21	5°36'48	11♋ 9	15♓56	5°R 0	13°12	21♎21	10♎50	1♎55	23°16	7°51	20♎ 2	21°30	26°59	n.a.	S 2
S 3	10 18 18	6°35'45	24°22	15°29	4°59	13°34	21°18	10°47	1°52	23°18	7°51	19°56	21°27	27° 6	n.a.	S 3
M 4	10 22 14	7°34'41	7♌22	14°57	4°56	13°55	21°14	10°44	1°50	23°20	7°51	19°49	21°23	27°13	n.a.	M 4
T 5	10 26 11	8°33'34	20°10	14°20	4°51	14°16	21°11	10°41	1°48	23°22	7°52	19°41	21°20	27°19	n.a.	T 5
W 6	10 30 8	9°32'24	2♍45	13°40	4°43	14°36	21° 7	10°37	1°46	23°23	7°52	19°34	21°17	27°26	n.a.	W 6
T 7	10 34 4	10°31'13	15° 7	12°57	4°32	14°56	21° 3	10°34	1°43	23°25	7°52	19°28	21°14	27°33	n.a.	T 7
F 8	10 38 1	11°29'59	27°18	12°12	4°19	15°16	20°58	10°30	1°41	23°27	7°53	19°24	21°11	27°39	n.a.	F 8
S 9	10 41 57	12°28'43	9♎19	11°26	4° 3	15°35	20°54	10°26	1°39	23°28	7°53	19°22	21° 8	27°46	n.a.	S 9
S 10	10 45 54	13°27'26	21°12	10°39	3°46	15°54	20°49	10°23	1°36	23°30	7°53	19°D21	21° 4	27°53	n.a.	S 10
M11	10 49 50	14°26'06	3♏ 1	9°54	3°25	16°12	20°45	10°19	1°34	23°32	7°53	19°22	21° 1	27°59	n.a.	M11
T 12	10 53 47	15°24'45	14°48	9° 9	3° 3	16°31	20°40	10°15	1°32	23°33	7°53	19°24	20°58	28° 6	n.a.	T 12
W13	10 57 43	16°23'22	26°40	8°27	2°38	16°48	20°35	10°11	1°29	23°35	7°53	19°26	20°55	28°12	n.a.	W13
T 14	11 1 40	17°21'57	8♐39	7°48	2°11	17° 5	20°29	10° 7	1°27	23°36	7°54	19°27	20°52	28°19	n.a.	T 14
F 15	11 5 36	18°20'30	20°51	7°13	1°42	17°22	20°24	10° 3	1°24	23°38	7°54	19°R27	20°48	28°26	n.a.	F 15
S 16	11 9 33	19°19'02	3♑22	6°41	1°12	17°38	20°19	9°59	1°22	23°39	7°R54	19°26	20°45	28°32	n.a.	S 16
S 17	11 13 30	20°17'31	16°15	6°14	0°39	17°54	20°13	9°55	1°19	23°41	7°54	19°24	20°42	28°39	n.a.	S 17
M18	11 17 26	21°15'59	29°32	5°51	0° 6	18° 9	20° 7	9°51	1°17	23°42	7°54	19°21	20°39	28°46	n.a.	M18
T 19	11 21 23	22°14'26	13♒17	5°33	29♓31	18°24	20° 1	9°47	1°14	23°43	7°53	19°17	20°36	28°52	n.a.	T 19
W20	11 25 19	23°12'50	27°27	5°21	28°54	18°38	19°55	9°43	1°12	23°45	7°53	19°13	20°33	28°59	n.a.	W20
T 21	11 29 16	24°11'13	12♓ 0	5°13	28°17	18°52	19°49	9°39	1° 9	23°46	7°53	19°10	20°29	29° 6	n.a.	T 21
F 22	11 33 12	25° 9'33	26°49	5°D10	27°40	19° 5	19°43	9°35	1° 7	23°48	7°53	19° 7	20°26	29°12	n.a.	F 22
S 23	11 37 9	26° 7'52	11♈46	5°13	27° 2	19°17	19°37	9°30	1° 4	23°49	7°53	19° 6	20°23	29°19	n.a.	S 23
S 24	11 41 5	27° 6'09	26°44	5°20	26°24	19°29	19°30	9°26	1° 2	23°50	7°53	19°D 6	20°20	29°26	n.a.	S 24
M25	11 45 2	28° 4'24	11♉34	5°32	25°46	19°41	19°24	9°22	0°59	23°51	7°52	19° 7	20°17	29°32	n.a.	M25
T 26	11 48 58	29° 2'37	26°10	5°49	25° 9	19°51	19°17	9°17	0°57	23°53	7°52	19° 8	20°13	29°39	n.a.	T 26
W27	11 52 55	0♈ 0'47	10♊29	6°10	24°32	20° 2	19°10	9°13	0°54	23°54	7°52	19°10	20°10	29°46	n.a.	W27
T 28	11 56 52	0°58'56	24°27	6°36	23°56	20°11	19° 3	9° 9	0°52	23°55	7°51	19°10	20° 7	29°52	n.a.	T 28
F 29	12 0 48	1°57'02	8♋ 5	7° 6	23°20	20°20	18°57	9° 4	0°49	23°56	7°51	19°R10	20° 4	29°59	n.a.	F 29
S 30	12 4 45	2°55'06	21°23	7°40	22°47	20°28	18°49	9° 0	0°47	23°57	7°51	19°10	20° 1	0♏ 5	n.a.	S 30
S 31	12 8 41	3♈53'09	4♌23	8♓19	22♓14	20♏36	18♎42	8♎55	0♎44	23♑58	7♐50	19♎ 8	19♎58	0♏12	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s56	18n58	4s46	2s12	3n34	8n13	6n47	14s34	1n24	7s 5	1n28	1s48	2n47	0s 8	0n43	21s57	0s15	18s29	3n27	7s57	8s30	10s 3		n.a.
S 2	9 34	18 12	5 5	2 20	3 35	8 20	6 54	14 41	1 23	7 4	1 29	1 47	2 47	0 7	0 43	21 57	0 15	18 30	3 27	7 56	8 29	10 4		n.a.
S 3	9 12	16 28	5 8	2 31	3 34	8 26	7 1	14 49	1 22	7 3	1 29	1 46	2 47	0 6	0 43	21 57	0 15	18 30	3 27	7 53	8 28	10 6		n.a.
M 4	8 50	13 55	4 55	2 46	3 31	8 30	7 7	14 56	1 21	7 1	1 29	1 44	2 48	0 5	0 43	21 57	0 15	18 30	3 27	7 51	8 27	10 7		n.a.
T 5	8 28	10 44	4 27	3 4	3 27	8 33	7 13	15 3	1 20	6 59	1 29	1 43	2 48	0 4	0 43	21 56	0 15	18 30	3 27	7 48	8 26	10 9		n.a.
W 6	8 6	7 7	3 46	3 25	3 21	8 35	7 19	15 10	1 19	6 58	1 29	1 41	2 48	0 3	0 43	21 56	0 15	18 30	3 27	7 45	8 24	10 11		n.a.
T 7	7 43	3 15	2 56	3 49	3 13	8 36	7 24	15 17	1 18	6 56	1 29	1 40	2 48	0 2	0 43	21 56	0 15	18 30	3 27	7 43	8 23	10 12		n.a.
F 8	7 21	0s42	1 57	4 15	3 4	8 35	7 29	15 24	1 17	6 54	1 30	1 38	2 48	0 1	0 43	21 56	0 15	18 30	3 27	7 41	8 22	10 14		n.a.
S 9	6 58	4 34	0 55	4 42	2 53	8 32	7 33	15 30	1 16	6 53	1 30	1 37	2 48	0 0	0 43	21 55	0 15	18 30	3 27	7 40	8 21	10 15		n.a.
S 10	6 35	8 13	0n10	5 11	2 41	8 28	7 36	15 37	1 15	6 51	1 30	1 35	2 49	0n 1	0 43	21 55	0 15	18 30	3 27	7 40	8 20	10 17		n.a.
M11	6 12	11 31	1 14	5 41	2 28	8 23	7 39	15 43	1 14	6 49	1 30	1 33	2 49	0 2	0 43	21 55	0 15	18 30	3 27	7 41	8 18	10 19		n.a.
T 12	5 49	14 20	2 15	6 10	2 14	8 16	7 42	15 50	1 13	6 47	1 30	1 32	2 49	0 3	0 43	21 54	0 15	18 30	3 27	7 41	8 17	10 20		n.a.
W13	5 26	16 35	3 10	6 40	1 59	8 7	7 43	15 56	1 12	6 45	1 30	1 30	2 49	0 4	0 43	21 54	0 15	18 30	3 27	7 42	8 16	10 22		n.a.
T 14	5 3	18 7	3 58	7 9	1 44	7 57	7 44	16 2	1 10	6 43	1 30	1 28	2 49	0 5	0 43	21 54	0 15	18 30	3 27	7 42	8 15	10 23		n.a.
F 15	4 40	18 51	4 36	7 37	1 28	7 46	7 44	16 8	1 9	6 41	1 30	1 27	2 49	0 6	0 43	21 54	0 15	18 30	3 27	7 43	8 13	10 25		n.a.
S 16	4 17	18 41	5 2	8 4	1 12	7 33	7 43	16 14	1 8	6 38	1 30	1 25	2 49	0 7	0 43	21 53	0 15	18 30	3 27	7 42	8 12	10 26		n.a.
S 17	3 54	17 34	5 13	8 29	0 56	7 18	7 42	16 19	1 6	6 36	1 31	1 23	2 49	0 8	0 43	21 53	0 15	18 30	3 27	7 41	8 11	10 28		n.a.
M18	3 30	15 28	5 9	8 52	0 40	7 3	7 40	16 25	1 5	6 34	1 31	1 22	2 49	0 9	0 43	21 53	0 15	18 30	3 27	7 40	8 10	10 30		n.a.
T 19	3 7	12 28	4 47	9 14	0 24	6 46	7 36	16 31	1 4	6 32	1 31	1 20	2 50	0 10	0 43	21 53	0 15	18 30	3 27	7 39	8 9	10 31		n.a.
W20	2 44	8 39	4 7	9 33	0 8	6 27	7 32	16 36	1 2	6 29	1 31	1 18	2 50	0 11	0 43	21 53	0 15	18 30	3 27	7 37	8 7	10 33		n.a.
T 21	2 20	4 13	3 10	9 50	0s 7	6 8	7 27	16 41	1 1	6 27	1 31	1 17	2 50	0 12	0 43	21 52	0 15	18 30	3 27	7 36	8 6	10 34		n.a.
F 22	1 57	0n33	2 0	10 4	0 22	5 48	7 22	16 46	0 59	6 24	1 31	1 15	2 50	0 13	0 43	21 52	0 15	18 30	3 27	7 35	8 5	10 36		n.a.
S 23	1 33	5 20	0 40	10 17	0 36	5 26	7 15	16 51	0 57	6 22	1 31	1 13	2 50	0 14	0 43	21 52	0 15	18 30	3 27	7 34	8 4	10 37		n.a.
S 24	1 10	9 47	0s42	10 27	0 50	5 4	7 8	16 56	0 56	6 19	1 31	1 11	2 50	0 15	0 43	21 52	0 15	18 30	3 27	7 34	8 3	10 39		n.a.
M25	0 47	13 35	2 1	10 34	1 2	4 42	6 59	17 1	0 54	6 17	1 31	1 9	2 50	0 16	0 43	21 52	0 15	18 30	3 27	7 35	8 1	10 41		n.a.
T 26	0 23	16 27	3 11	10 39	1 15	4 19	6 50	17 6	0 52	6 14	1 31	1 8	2 50	0 17	0 43	21 51	0 15	18 30	3 27	7 35	8 0	10 42		n.a.
W27	0n 0	18 14	4 7	10 42	1 26	3 55	6 41	17 10	0 50	6 12	1 31	1 6	2 50	0 18	0 43	21 51	0 15	18 30	3 27	7 36	7 59	10 44		n.a.
T 28	0 24	18 51	4 48	10 42	1 37	3 31	6 30	17 14	0 49	6 9	1 31	1 4	2 50	0 19	0 43	21 51	0 15	18 30	3 27	7 36	7 58	10 45		n.a.
F 29	0 47	18 20	5 10	10 40	1 47	3 7	6 20	17 19	0 47	6 6	1 31	1 2	2 50	0 20	0 43	21 51	0 15	18 29	3 27	7 36	7 57	10 47		n.a.
S 30	1 10	16 49	5 16	10 36	1 57	2 43	6 8	17 23	0 45	6 4	1 31	1 1	2 50	0 21	0 43	21 51	0 15	18 29	3 27	7 36	7 55	10 48		n.a.
S 31	1n34	14n28	5s 5	10s29	2s 5	2n19	5n56	17s27	0n43	6s 1	1n31	0s59	2n50	0n22	0n43	21s50	0s15	18s29	3n27	7s35	7s54	10s50		n.a.

Julian Day Number = 1552736.5, Delta T = 04h29m41s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°27'03, Lahiri = -10°20'03 Julian Calendar 1 March 462 BCE == Greg. Calendar 24 Feb. 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

APRIL 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 12 38	4♈51'09	17♌ 6	9♓ 0	21°R44	20♏43	18°R35	8°R51	0°R41	23♑59	7°R50	19°R 6	19♎54	0♏19	n.a.	M 1
T 2	12 16 34	5°49'07	29°36	9°46	21♓15	20°50	18♎28	8♎47	0♎39	24° 0	7♐49	19♎ 4	19°51	0°25	n.a.	T 2
W 3	12 20 31	6°47'03	11♍54	10°35	20°48	20°56	18°21	8°42	0°36	24° 1	7°49	19° 3	19°48	0°32	n.a.	W 3
T 4	12 24 27	7°44'58	24° 1	11°27	20°23	21° 1	18°13	8°38	0°34	24° 2	7°48	19° 1	19°45	0°39	n.a.	T 4
F 5	12 28 24	8°42'51	6♎ 1	12°23	20° 1	21° 5	18° 6	8°33	0°31	24° 3	7°48	19° 0	19°42	0°45	n.a.	F 5
S 6	12 32 21	9°40'42	17°54	13°21	19°40	21° 9	17°59	8°29	0°29	24° 4	7°47	19°D 0	19°39	0°52	n.a.	S 6
S 7	12 36 17	10°38'31	29°44	14°23	19°22	21°12	17°51	8°24	0°26	24° 5	7°46	19° 0	19°35	0°59	n.a.	S 7
M 8	12 40 14	11°36'19	11♏32	15°28	19° 7	21°14	17°43	8°20	0°24	24° 6	7°46	19° 1	19°32	1° 5	n.a.	M 8
T 9	12 44 10	12°34'06	23°21	16°35	18°54	21°16	17°36	8°15	0°21	24° 6	7°45	19° 1	19°29	1°12	n.a.	T 9
W10	12 48 7	13°31'51	5♐14	17°45	18°43	21°17	17°28	8°11	0°19	24° 7	7°44	19° 2	19°26	1°19	n.a.	W10
T 11	12 52 3	14°29'35	17°15	18°58	18°35	21°R17	17°21	8° 6	0°16	24° 8	7°44	19° 3	19°23	1°25	n.a.	T 11
F 12	12 56 0	15°27'18	29°29	20°13	18°29	21°16	17°13	8° 2	0°14	24° 9	7°43	19° 3	19°19	1°32	n.a.	F 12
S 13	12 59 56	16°24'59	11♑58	21°31	18°25	21°15	17° 5	7°58	0°12	24° 9	7°42	19°R 3	19°16	1°39	n.a.	S 13
S 14	13 3 53	17°22'40	24°47	22°51	18°D24	21°13	16°58	7°53	0° 9	24°10	7°41	19° 3	19°13	1°45	n.a.	S 14
M15	13 7 50	18°20'19	7♒59	24°14	18°26	21°10	16°50	7°49	0° 7	24°11	7°41	19° 3	19°10	1°52	n.a.	M15
T 16	13 11 46	19°17'57	21°38	25°39	18°29	21° 6	16°43	7°45	0° 4	24°11	7°40	19°D 3	19° 7	1°58	n.a.	T 16
W17	13 15 43	20°15'34	5♓43	27° 6	18°35	21° 1	16°35	7°40	0° 2	24°12	7°39	19° 3	19° 4	2° 5	n.a.	W17
T 18	13 19 39	21°13'09	20°13	28°36	18°43	20°56	16°27	7°36	29♍59	24°12	7°38	19° 3	19° 0	2°12	n.a.	T 18
F 19	13 23 36	22°10'44	5♈ 3	0♈ 8	18°53	20°50	16°20	7°32	29°57	24°13	7°37	19° 3	18°57	2°18	n.a.	F 19
S 20	13 27 32	23° 8'17	20° 8	1°42	19° 6	20°44	16°12	7°27	29°55	24°13	7°36	19°R 3	18°54	2°25	n.a.	S 20
S 21	13 31 29	24° 5'49	5♉19	3°18	19°20	20°36	16° 5	7°23	29°53	24°13	7°35	19° 3	18°51	2°32	n.a.	S 21
M22	13 35 25	25° 3'20	20°26	4°57	19°36	20°28	15°57	7°19	29°51	24°14	7°34	19° 3	18°48	2°38	n.a.	M22
T 23	13 39 22	26° 0'50	5♊20	6°38	19°55	20°19	15°50	7°15	29°48	24°14	7°33	19° 2	18°44	2°45	n.a.	T 23
W24	13 43 19	26°58'18	19°54	8°22	20°15	20° 9	15°42	7°11	29°46	24°14	7°32	19° 1	18°41	2°52	n.a.	W24
T 25	13 47 15	27°55'45	4♋ 4	10° 7	20°37	19°59	15°35	7° 7	29°44	24°15	7°31	19° 1	18°38	2°58	n.a.	T 25
F 26	13 51 12	28°53'11	17°49	11°55	21° 0	19°48	15°28	7° 3	29°42	24°15	7°30	19° 0	18°35	3° 5	n.a.	F 26
S 27	13 55 8	29°50'35	1♌ 8	13°45	21°25	19°36	15°20	6°59	29°40	24°15	7°29	19°D 0	18°32	3°12	n.a.	S 27
S 28	13 59 5	0♉47'57	14° 4	15°37	21°52	19°24	15°13	6°55	29°38	24°15	7°28	19° 0	18°29	3°18	n.a.	S 28
M29	14 3 1	1°45'18	26°40	17°32	22°20	19°11	15° 6	6°51	29°36	24°16	7°26	19° 1	18°25	3°25	n.a.	M29
T 30	14 6 58	2♉42'38	8♍59	19♈28	22♓50	18♏57	14♎59	6♎47	29♍34	24♑16	7♐25	19♎ 2	18♎22	3♏32	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	1n57	11n28	4s40	10s21	2s13	1n56	5n44	17s31	0n41	5s58	1n31	0s57	2n50	0n23	0n43	21s50	0s15	18s29	3n27	7s34	7s53	10s51		n.a.
T 2	2 20	8 0	4 1	10 10	2 20	1 33	5 31	17 35	0 38	5 55	1 31	0 55	2 50	0 24	0 43	21 50	0 15	18 29	3 27	7 34	7 52	10 53		n.a.
W 3	2 44	4 15	3 12	9 57	2 27	1 10	5 18	17 38	0 36	5 53	1 31	0 53	2 50	0 25	0 43	21 50	0 15	18 29	3 27	7 33	7 50	10 54		n.a.
T 4	3 7	0 21	2 14	9 42	2 32	0 48	5 5	17 42	0 34	5 50	1 31	0 52	2 50	0 26	0 43	21 50	0 15	18 29	3 27	7 33	7 49	10 56		n.a.
F 5	3 30	3s31	1 11	9 25	2 37	0 27	4 51	17 45	0 32	5 47	1 31	0 50	2 50	0 27	0 43	21 50	0 15	18 29	3 27	7 32	7 48	10 58		n.a.
S 6	3 53	7 12	0 6	9 6	2 42	0 6	4 37	17 48	0 29	5 44	1 31	0 48	2 50	0 28	0 43	21 50	0 15	18 29	3 27	7 32	7 47	10 59		n.a.
S 7	4 16	10 36	0n59	8 46	2 45	0s14	4 24	17 52	0 27	5 41	1 31	0 46	2 50	0 29	0 43	21 49	0 15	18 29	3 27	7 32	7 46	11 1		n.a.
M 8	4 39	13 33	2 2	8 23	2 48	0 32	4 10	17 55	0 24	5 38	1 31	0 45	2 50	0 30	0 43	21 49	0 15	18 29	3 27	7 32	7 44	11 2		n.a.
T 9	5 2	15 57	3 0	7 58	2 51	0 50	3 56	17 57	0 22	5 35	1 31	0 43	2 50	0 31	0 43	21 49	0 15	18 29	3 27	7 33	7 43	11 4		n.a.
W10	5 24	17 41	3 50	7 32	2 52	1 7	3 42	18 0	0 19	5 33	1 31	0 41	2 50	0 32	0 43	21 49	0 15	18 28	3 27	7 33	7 42	11 5		n.a.
T 11	5 47	18 38	4 30	7 4	2 53	1 23	3 29	18 3	0 17	5 30	1 31	0 39	2 50	0 33	0 43	21 49	0 15	18 28	3 27	7 33	7 41	11 7		n.a.
F 12	6 10	18 45	5 0	6 34	2 53	1 38	3 15	18 5	0 14	5 27	1 31	0 38	2 50	0 34	0 43	21 49	0 15	18 28	3 27	7 33	7 40	11 8		n.a.
S 13	6 32	17 58	5 16	6 3	2 53	1 51	3 2	18 7	0 11	5 24	1 31	0 36	2 50	0 35	0 43	21 49	0 15	18 28	3 27	7 33	7 38	11 10		n.a.
S 14	6 55	16 16	5 16	5 30	2 52	2 4	2 48	18 10	0 8	5 21	1 31	0 34	2 50	0 36	0 43	21 49	0 15	18 28	3 27	7 33	7 37	11 11		n.a.
M15	7 17	13 40	5 1	4 55	2 50	2 15	2 35	18 12	0 5	5 18	1 31	0 33	2 50	0 37	0 43	21 49	0 15	18 28	3 27	7 33	7 36	11 13		n.a.
T 16	7 39	10 15	4 28	4 19	2 48	2 26	2 23	18 14	0 2	5 15	1 31	0 31	2 50	0 38	0 43	21 48	0 15	18 28	3 27	7 33	7 35	11 14		n.a.
W17	8 1	6 9	3 39	3 41	2 45	2 35	2 10	18 15	0s 1	5 12	1 31	0 29	2 50	0 38	0 43	21 48	0 16	18 28	3 27	7 33	7 33	11 16		n.a.
T 18	8 23	1 35	2 34	3 2	2 42	2 43	1 58	18 17	0 4	5 9	1 31	0 28	2 50	0 39	0 43	21 48	0 16	18 28	3 27	7 33	7 32	11 17		n.a.
F 19	8 45	3n13	1 17	2 21	2 38	2 50	1 46	18 18	0 7	5 7	1 31	0 26	2 50	0 40	0 43	21 48	0 16	18 27	3 27	7 33	7 31	11 19		n.a.
S 20	9 6	7 53	0s 6	1 39	2 33	2 56	1 34	18 20	0 10	5 4	1 30	0 24	2 49	0 41	0 43	21 48	0 16	18 27	3 27	7 33	7 30	11 20		n.a.
S 21	9 28	12 4	1 29	0 56	2 28	3 1	1 22	18 21	0 13	5 1	1 30	0 23	2 49	0 42	0 43	21 48	0 16	18 27	3 27	7 33	7 29	11 22		n.a.
M22	9 49	15 25	2 46	0 11	2 22	3 5	1 11	18 22	0 17	4 58	1 30	0 21	2 49	0 43	0 43	21 48	0 16	18 27	3 27	7 33	7 27	11 23		n.a.
T 23	10 10	17 42	3 50	0n36	2 16	3 8	1 0	18 22	0 20	4 55	1 30	0 20	2 49	0 44	0 43	21 48	0 16	18 27	3 27	7 33	7 26	11 25		n.a.
W24	10 31	18 45	4 38	1 23	2 9	3 10	0 49	18 23	0 23	4 53	1 30	0 18	2 49	0 45	0 43	21 48	0 16	18 27	3 27	7 33	7 25	11 26		n.a.
T 25	10 52	18 34	5 7	2 12	2 2	3 11	0 39	18 24	0 27	4 50	1 30	0 17	2 49	0 46	0 43	21 48	0 16	18 27	3 27	7 32	7 24	11 28		n.a.
F 26	11 13	17 18	5 17	3 1	1 54	3 10	0 29	18 24	0 30	4 47	1 30	0 15	2 49	0 46	0 43	21 48	0 16	18 26	3 27	7 32	7 22	11 29		n.a.
S 27	11 34	15 7	5 10	3 52	1 46	3 9	0 19	18 24	0 34	4 45	1 30	0 14	2 49	0 47	0 43	21 48	0 16	18 26	3 27	7 32	7 21	11 31		n.a.
S 28	11 54	12 14	4 48	4 44	1 37	3 7	0 9	18 24	0 37	4 42	1 29	0 12	2 49	0 48	0 43	21 48	0 16	18 26	3 27	7 32	7 20	11 32		n.a.
M29	12 14	8 51	4 12	5 37	1 28	3 5	0 0	18 24	0 41	4 39	1 29	0 11	2 48	0 49	0 43	21 48	0 16	18 26	3 27	7 32	7 19	11 34		n.a.
T 30	12n34	5n 9	3s25	6n30	1s19	3s 1	0s 9	18s24	0s45	4s37	1n29	0s 9	2n48	0n50	0n43	21s48	0s16	18s26	3n27	7s33	7s18	11s35		n.a.

Julian Day Number = 1552767.5, Delta T = 04h29m40s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'59, Lahiri = -10°19'58 Julian Calendar 1 Apr. 462 BCE == Greg. Calendar 27 March 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

MAY 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 10 54	3♉39'57	21♍ 6	21♈27	23♓21	18°R43	14°R52	6°R44	29°R32	24♑16	7°R24	19♎ 3	18♎19	3♏38	n.a.	W 1
T 2	14 14 51	4°37'15	3♎ 3	23°27	23°54	18♏28	14♎45	6♎40	29♍30	24°16	7♐23	19° 4	18°16	3°45	n.a.	T 2
F 3	14 18 48	5°34'31	14°55	25°30	24°28	18°13	14°39	6°36	29°28	24°R16	7°22	19°R 5	18°13	3°51	n.a.	F 3
S 4	14 22 44	6°31'47	26°43	27°34	25° 3	17°57	14°32	6°33	29°26	24°16	7°20	19° 5	18°10	3°58	n.a.	S 4
S 5	14 26 41	7°29'02	8♏31	29°40	25°39	17°41	14°25	6°29	29°24	24°16	7°19	19° 4	18° 6	4° 5	n.a.	S 5
M 6	14 30 37	8°26'16	20°21	1♉48	26°17	17°25	14°19	6°26	29°23	24°16	7°18	19° 2	18° 3	4°11	n.a.	M 6
T 7	14 34 34	9°23'29	2♐15	3°57	26°55	17° 8	14°13	6°22	29°21	24°16	7°17	18°59	18° 0	4°18	n.a.	T 7
W 8	14 38 30	10°20'42	14°14	6° 6	27°35	16°50	14° 6	6°19	29°19	24°15	7°15	18°56	17°57	4°25	n.a.	W 8
T 9	14 42 27	11°17'54	26°22	8°17	28°16	16°32	14° 0	6°16	29°17	24°15	7°14	18°52	17°54	4°31	n.a.	T 9
F 10	14 46 23	12°15'06	8♑40	10°28	28°58	16°14	13°54	6°13	29°16	24°15	7°13	18°49	17°50	4°38	n.a.	F 10
S 11	14 50 20	13°12'17	21°13	12°40	29°41	15°56	13°48	6° 9	29°14	24°15	7°11	18°47	17°47	4°45	n.a.	S 11
S 12	14 54 17	14° 9'28	4♒ 2	14°52	0♈25	15°38	13°43	6° 6	29°13	24°14	7°10	18°45	17°44	4°51	n.a.	S 12
M13	14 58 13	15° 6'38	17°10	17° 3	1° 9	15°19	13°37	6° 3	29°11	24°14	7° 9	18°D45	17°41	4°58	n.a.	M13
T 14	15 2 10	16° 3'49	0♓41	19°14	1°55	15° 0	13°32	6° 0	29°10	24°14	7° 7	18°46	17°38	5° 5	n.a.	T 14
W15	15 6 6	17° 0'59	14°35	21°24	2°41	14°41	13°26	5°58	29° 8	24°13	7° 6	18°47	17°35	5°11	n.a.	W15
T 16	15 10 3	17°58'08	28°54	23°34	3°29	14°22	13°21	5°55	29° 7	24°13	7° 5	18°48	17°31	5°18	n.a.	T 16
F 17	15 13 59	18°55'18	13♈34	25°42	4°16	14° 3	13°16	5°52	29° 5	24°13	7° 3	18°R49	17°28	5°25	n.a.	F 17
S 18	15 17 56	19°52'27	28°32	27°48	5° 5	13°44	13°11	5°50	29° 4	24°12	7° 2	18°49	17°25	5°31	n.a.	S 18
S 19	15 21 52	20°49'36	13♉40	29°54	5°55	13°26	13° 6	5°47	29° 3	24°12	7° 0	18°47	17°22	5°38	n.a.	S 19
M20	15 25 49	21°46'45	28°49	1♊57	6°45	13° 7	13° 2	5°45	29° 2	24°11	6°59	18°44	17°19	5°45	n.a.	M20
T 21	15 29 46	22°43'54	13♊50	3°59	7°35	12°49	12°57	5°42	29° 0	24°11	6°57	18°40	17°16	5°51	n.a.	T 21
W22	15 33 42	23°41'02	28°34	5°59	8°27	12°31	12°53	5°40	28°59	24°10	6°56	18°35	17°12	5°58	n.a.	W22
T 23	15 37 39	24°38'09	12♋54	7°56	9°19	12°13	12°49	5°38	28°58	24° 9	6°55	18°30	17° 9	6° 5	n.a.	T 23
F 24	15 41 35	25°35'17	26°47	9°52	10°11	11°55	12°45	5°36	28°57	24° 9	6°53	18°26	17° 6	6°11	n.a.	F 24
S 25	15 45 32	26°32'23	10♌11	11°46	11° 4	11°38	12°41	5°34	28°56	24° 8	6°52	18°23	17° 3	6°18	n.a.	S 25
S 26	15 49 28	27°29'30	23° 9	13°38	11°58	11°22	12°37	5°32	28°55	24° 7	6°50	18°D22	17° 0	6°25	n.a.	S 26
M27	15 53 25	28°26'35	5♍44	15°27	12°52	11° 6	12°34	5°30	28°54	24° 7	6°49	18°22	16°56	6°31	n.a.	M27
T 28	15 57 21	29°23'41	17°59	17°15	13°47	10°50	12°31	5°28	28°54	24° 6	6°47	18°23	16°53	6°38	n.a.	T 28
W29	16 1 18	0♊20'46	0♎ 1	19° 0	14°42	10°35	12°27	5°27	28°53	24° 5	6°46	18°25	16°50	6°44	n.a.	W29
T 30	16 5 15	1°17'51	11°54	20°43	15°38	10°20	12°24	5°25	28°52	24° 4	6°44	18°26	16°47	6°51	n.a.	T 30
F 31	16 9 11	2♊14'55	23♎43	22♊24	16♈34	10♏ 6	12♎22	5♎24	28♍51	24♑ 4	6♐43	18°R26	16♎44	6♏58	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	12n54	1n18	2s29	7n24	1s 9	2s56	0s17	18s24	0s48	4s34	1n29	0s 8	2n48	0n50	0n43	21s48	0s16	18s26	3n27	7s33	7s16	11s37			n.a.
T 2	13 14	2s34	1 28	8 19	0 59	2 51	0 26	18 23	0 52	4 32	1 29	0 7	2 48	0 51	0 43	21 48	0 16	18 26	3 27	7 34	7 15	11 38			n.a.
F 3	13 33	6 18	0 23	9 14	0 48	2 45	0 34	18 22	0 56	4 29	1 29	0 5	2 48	0 52	0 43	21 48	0 16	18 25	3 27	7 34	7 14	11 40			n.a.
S 4	13 52	9 47	0n42	10 9	0 38	2 38	0 42	18 21	1 0	4 27	1 28	0 4	2 48	0 53	0 43	21 48	0 16	18 25	3 27	7 34	7 13	11 41			n.a.
S 5	14 11	12 52	1 46	11 5	0 27	2 30	0 49	18 20	1 4	4 24	1 28	0 3	2 48	0 53	0 43	21 48	0 16	18 25	3 27	7 34	7 11	11 42			n.a.
M 6	14 30	15 26	2 44	12 0	0 17	2 22	0 57	18 19	1 7	4 22	1 28	0 2	2 47	0 54	0 42	21 48	0 16	18 25	3 27	7 33	7 10	11 44			n.a.
T 7	14 48	17 21	3 36	12 54	0 6	2 13	1 4	18 18	1 11	4 20	1 28	0 0	2 47	0 55	0 42	21 48	0 16	18 25	3 27	7 32	7 9	11 45			n.a.
W 8	15 7	18 31	4 19	13 48	0n 5	2 3	1 10	18 17	1 15	4 18	1 28	0n 1	2 47	0 55	0 42	21 48	0 16	18 25	3 26	7 30	7 8	11 47			n.a.
T 9	15 25	18 51	4 51	14 42	0 15	1 52	1 17	18 15	1 19	4 15	1 27	0 2	2 47	0 56	0 42	21 48	0 16	18 24	3 26	7 29	7 6	11 48			n.a.
F 10	15 43	18 18	5 10	15 34	0 26	1 41	1 23	18 14	1 23	4 13	1 27	0 3	2 47	0 57	0 42	21 48	0 16	18 24	3 26	7 28	7 5	11 50			n.a.
S 11	16 0	16 52	5 14	16 25	0 36	1 29	1 29	18 12	1 26	4 11	1 27	0 4	2 46	0 57	0 42	21 48	0 16	18 24	3 26	7 27	7 4	11 51			n.a.
S 12	16 18	14 35	5 4	17 14	0 46	1 17	1 35	18 10	1 30	4 9	1 27	0 5	2 46	0 58	0 42	21 48	0 16	18 24	3 26	7 26	7 3	11 53			n.a.
M13	16 35	11 30	4 37	18 1	0 55	1 4	1 40	18 8	1 34	4 7	1 26	0 6	2 46	0 58	0 42	21 48	0 16	18 24	3 26	7 26	7 2	11 54			n.a.
T 14	16 51	7 43	3 54	18 47	1 4	0 50	1 46	18 6	1 38	4 5	1 26	0 7	2 46	0 59	0 42	21 49	0 16	18 24	3 26	7 27	7 0	11 56			n.a.
W15	17 8	3 26	2 57	19 30	1 12	0 36	1 51	18 4	1 42	4 3	1 26	0 8	2 46	0 59	0 42	21 49	0 16	18 23	3 26	7 27	6 59	11 57			n.a.
T 16	17 24	1n11	1 47	20 12	1 20	0 22	1 56	18 2	1 45	4 1	1 26	0 9	2 45	1 0	0 42	21 49	0 16	18 23	3 26	7 28	6 58	11 58			n.a.
F 17	17 40	5 52	0 29	20 50	1 27	0 7	2 0	18 0	1 49	4 0	1 25	0 10	2 45	1 1	0 42	21 49	0 16	18 23	3 26	7 28	6 57	12 0			n.a.
S 18	17 56	10 16	0s53	21 27	1 34	0n 9	2 5	17 57	1 53	3 58	1 25	0 11	2 45	1 1	0 42	21 49	0 16	18 23	3 26	7 28	6 55	12 1			n.a.
S 19	18 12	14 3	2 12	22 1	1 40	0 25	2 9	17 55	1 56	3 56	1 25	0 11	2 45	1 1	0 42	21 49	0 16	18 23	3 26	7 27	6 54	12 3			n.a.
M20	18 27	16 53	3 22	22 32	1 45	0 41	2 13	17 53	2 0	3 55	1 25	0 12	2 45	1 2	0 42	21 49	0 16	18 23	3 26	7 26	6 53	12 4			n.a.
T 21	18 42	18 31	4 16	23 0	1 49	0 58	2 17	17 50	2 3	3 53	1 24	0 13	2 44	1 2	0 42	21 49	0 16	18 22	3 26	7 24	6 52	12 6			n.a.
W22	18 56	18 51	4 53	23 26	1 53	1 15	2 20	17 48	2 7	3 52	1 24	0 14	2 44	1 3	0 42	21 49	0 16	18 22	3 26	7 22	6 51	12 7			n.a.
T 23	19 10	17 58	5 10	23 50	1 56	1 33	2 24	17 46	2 10	3 50	1 24	0 14	2 44	1 3	0 42	21 50	0 16	18 22	3 25	7 20	6 49	12 8			n.a.
F 24	19 24	16 1	5 9	24 10	1 59	1 50	2 27	17 43	2 14	3 49	1 24	0 15	2 44	1 4	0 42	21 50	0 16	18 22	3 25	7 19	6 48	12 10			n.a.
S 25	19 38	13 16	4 50	24 29	2 0	2 9	2 30	17 41	2 17	3 48	1 23	0 16	2 44	1 4	0 42	21 50	0 16	18 22	3 25	7 18	6 47	12 11			n.a.
S 26	19 51	9 57	4 16	24 44	2 1	2 27	2 32	17 39	2 20	3 47	1 23	0 16	2 43	1 4	0 42	21 50	0 16	18 22	3 25	7 17	6 46	12 13			n.a.
M27	20 4	6 15	3 32	24 58	2 2	2 46	2 35	17 37	2 23	3 45	1 23	0 17	2 43	1 5	0 42	21 50	0 16	18 21	3 25	7 17	6 44	12 14			n.a.
T 28	20 17	2 23	2 38	25 8	2 1	3 5	2 38	17 35	2 26	3 44	1 23	0 17	2 43	1 5	0 42	21 50	0 16	18 21	3 25	7 18	6 43	12 16			n.a.
W29	20 29	1s31	1 38	25 17	2 0	3 25	2 40	17 33	2 29	3 43	1 22	0 18	2 43	1 5	0 42	21 50	0 16	18 21	3 25	7 18	6 42	12 17			n.a.
T 30	20 41	5 19	0 35	25 24	1 59	3 45	2 42	17 31	2 32	3 43	1 22	0 18	2 42	1 5	0 42	21 51	0 16	18 21	3 25	7 19	6 41	12 18			n.a.
F 31	20n53	8s53	0n29	25n28	1n56	4n 5	2s44	17s29	2s35	3s42	1n22	0n18	2n42	1n 6	0n42	21s51	0s16	18s21	3n25	7s19	6s39	12s20			n.a.

Julian Day Number = 1552797.5, Delta T = 04h29m39s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'55, Lahiri = -10°19'54 Julian Calendar 1 May 462 BCE == Greg. Calendar 26 Apr. 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

JUNE 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 13 8	3♊12'00	5♏30	24♊ 3	17♈31	9°R53	12°R19	5°R22	28°R51	24°R 3	6°R41	18°R24	16♎41	7♏ 4	n.a.	S 1
S 2	16 17 4	4° 9'05	17°20	25°39	18°28	9♏41	12♎17	5♎21	28♍50	24♑ 2	6♐40	18♎21	16°37	7°11	n.a.	S 2
M 3	16 21 1	5° 6'09	29°14	27°14	19°25	9°29	12°14	5°20	28°50	24° 1	6°38	18°15	16°34	7°18	n.a.	M 3
T 4	16 24 57	6° 3'14	11♐16	28°46	20°23	9°17	12°12	5°18	28°49	24° 0	6°37	18° 8	16°31	7°24	n.a.	T 4
W 5	16 28 54	7° 0'19	23°26	0♋16	21°21	9° 7	12°10	5°17	28°49	23°59	6°35	17°59	16°28	7°31	n.a.	W 5
T 6	16 32 50	7°57'24	5♑45	1°44	22°20	8°57	12° 8	5°17	28°48	23°58	6°34	17°50	16°25	7°38	n.a.	T 6
F 7	16 36 47	8°54'30	18°16	3°10	23°19	8°48	12° 7	5°16	28°48	23°57	6°32	17°42	16°22	7°44	n.a.	F 7
S 8	16 40 44	9°51'36	0♒58	4°33	24°18	8°40	12° 6	5°15	28°48	23°56	6°31	17°35	16°18	7°51	n.a.	S 8
S 9	16 44 40	10°48'43	13°54	5°54	25°18	8°32	12° 4	5°14	28°47	23°55	6°29	17°29	16°15	7°58	n.a.	S 9
M10	16 48 37	11°45'50	27° 5	7°13	26°18	8°26	12° 3	5°14	28°47	23°54	6°28	17°26	16°12	8° 4	n.a.	M10
T 11	16 52 33	12°42'58	10♓33	8°29	27°19	8°20	12° 2	5°13	28°47	23°53	6°26	17°D25	16° 9	8°11	n.a.	T 11
W12	16 56 30	13°40'07	24°19	9°43	28°19	8°15	12° 2	5°13	28°47	23°52	6°25	17°26	16° 6	8°18	n.a.	W12
T 13	17 0 26	14°37'16	8♈25	10°54	29°21	8°11	12° 1	5°13	28°D47	23°50	6°23	17°26	16° 2	8°24	n.a.	T 13
F 14	17 4 23	15°34'26	22°49	12° 3	0♉22	8° 7	12° 1	5°13	28°47	23°49	6°22	17°R26	15°59	8°31	n.a.	F 14
S 15	17 8 20	16°31'37	7♉30	13° 9	1°24	8° 5	12°D 1	5°D12	28°47	23°48	6°20	17°25	15°56	8°38	n.a.	S 15
S 16	17 12 16	17°28'49	22°23	14°12	2°25	8° 3	12° 1	5°12	28°47	23°47	6°19	17°21	15°53	8°44	n.a.	S 16
M17	17 16 13	18°26'01	7♊20	15°13	3°28	8° 2	12° 1	5°13	28°47	23°46	6°17	17°15	15°50	8°51	n.a.	M17
T 18	17 20 9	19°23'15	22°13	16°11	4°30	8°D 2	12° 2	5°13	28°48	23°44	6°16	17° 7	15°47	8°58	n.a.	T 18
W19	17 24 6	20°20'29	6♋53	17° 5	5°33	8° 3	12° 2	5°13	28°48	23°43	6°14	16°57	15°43	9° 4	n.a.	W19
T 20	17 28 2	21°17'43	21°14	17°56	6°36	8° 4	12° 3	5°14	28°48	23°42	6°13	16°48	15°40	9°11	n.a.	T 20
F 21	17 31 59	22°14'58	5♌ 9	18°44	7°39	8° 7	12° 4	5°14	28°49	23°40	6°11	16°39	15°37	9°18	n.a.	F 21
S 22	17 35 55	23°12'14	18°36	19°29	8°43	8°10	12° 5	5°15	28°49	23°39	6°10	16°32	15°34	9°24	n.a.	S 22
S 23	17 39 52	24° 9'30	1♍36	20°10	9°46	8°15	12° 7	5°15	28°50	23°38	6° 9	16°28	15°31	9°31	n.a.	S 23
M24	17 43 49	25° 6'46	14°13	20°47	10°50	8°20	12° 8	5°16	28°50	23°36	6° 7	16°26	15°27	9°38	n.a.	M24
T 25	17 47 45	26° 4'03	26°29	21°20	11°54	8°25	12°10	5°17	28°51	23°35	6° 6	16°D25	15°24	9°44	n.a.	T 25
W26	17 51 42	27° 1'21	8♎31	21°49	12°59	8°32	12°12	5°18	28°51	23°33	6° 4	16°26	15°21	9°51	n.a.	W26
T 27	17 55 38	27°58'39	20°23	22°14	14° 3	8°39	12°14	5°19	28°52	23°32	6° 3	16°R26	15°18	9°58	n.a.	T 27
F 28	17 59 35	28°55'58	2♏11	22°34	15° 8	8°48	12°16	5°20	28°53	23°31	6° 2	16°25	15°15	10° 4	n.a.	F 28
S 29	18 3 31	29°53'18	14° 0	22°50	16°13	8°57	12°18	5°22	28°54	23°29	6° 0	16°21	15°12	10°11	n.a.	S 29
S 30	18 7 28	0♋50'39	25♏53	23♋ 0	17♉18	9♏ 6	12♎21	5♎23	28♍55	23♑28	5♐59	16♎16	15♎ 8	10♏17	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 4	12s 5	1n31	25n30	1n54	4n25	2s46	17s27	2s37	3s41	1n21	0n19	2n42	1n 6	0n42	21s51	0s16	18s21	3n25	7s18	6s38	12s21		n.a.
S 2	21 15	14 50	2 30	25 31	1 50	4 45	2 47	17 25	2 40	3 40	1 21	0 19	2 42	1 6	0 42	21 51	0 16	18 20	3 25	7 17	6 37	12 23		n.a.
M 3	21 26	16 57	3 22	25 29	1 46	5 6	2 49	17 24	2 43	3 40	1 21	0 19	2 41	1 6	0 41	21 51	0 16	18 20	3 24	7 15	6 36	12 24		n.a.
T 4	21 36	18 21	4 6	25 26	1 41	5 27	2 50	17 23	2 45	3 39	1 20	0 19	2 41	1 6	0 41	21 51	0 17	18 20	3 24	7 12	6 34	12 25		n.a.
W 5	21 46	18 56	4 39	25 21	1 36	5 48	2 51	17 22	2 48	3 39	1 20	0 20	2 41	1 7	0 41	21 52	0 17	18 20	3 24	7 9	6 33	12 27		n.a.
T 6	21 55	18 37	5 0	25 15	1 30	6 9	2 52	17 21	2 50	3 38	1 20	0 20	2 41	1 7	0 41	21 52	0 17	18 20	3 24	7 5	6 32	12 28		n.a.
F 7	22 4	17 25	5 7	25 7	1 24	6 30	2 53	17 20	2 52	3 38	1 20	0 20	2 40	1 7	0 41	21 52	0 17	18 20	3 24	7 2	6 31	12 30		n.a.
S 8	22 13	15 21	4 59	24 57	1 17	6 52	2 53	17 19	2 54	3 38	1 19	0 20	2 40	1 7	0 41	21 52	0 17	18 20	3 24	6 59	6 30	12 31		n.a.
S 9	22 21	12 29	4 35	24 47	1 10	7 13	2 54	17 19	2 56	3 37	1 19	0 20	2 40	1 7	0 41	21 52	0 17	18 19	3 24	6 57	6 28	12 32		n.a.
M10	22 29	8 56	3 57	24 35	1 2	7 35	2 54	17 18	2 58	3 37	1 19	0 20	2 40	1 7	0 41	21 53	0 17	18 19	3 24	6 56	6 27	12 34		n.a.
T 11	22 37	4 52	3 5	24 22	0 54	7 56	2 54	17 18	3 0	3 37	1 18	0 20	2 39	1 7	0 41	21 53	0 17	18 19	3 24	6 56	6 26	12 35		n.a.
W12	22 44	0 26	2 1	24 8	0 45	8 18	2 55	17 18	3 2	3 37	1 18	0 20	2 39	1 7	0 41	21 53	0 17	18 19	3 24	6 56	6 25	12 37		n.a.
T 13	22 51	4n 7	0 48	23 53	0 36	8 40	2 55	17 18	3 4	3 37	1 18	0 20	2 39	1 7	0 41	21 53	0 17	18 19	3 23	6 56	6 23	12 38		n.a.
F 14	22 57	8 33	0s29	23 38	0 26	9 2	2 54	17 19	3 5	3 37	1 18	0 19	2 38	1 7	0 41	21 54	0 17	18 19	3 23	6 56	6 22	12 39		n.a.
S 15	23 3	12 32	1 45	23 21	0 16	9 23	2 54	17 19	3 7	3 38	1 17	0 19	2 38	1 7	0 41	21 54	0 17	18 19	3 23	6 55	6 21	12 41		n.a.
S 16	23 9	15 46	2 56	23 4	0 5	9 45	2 54	17 20	3 9	3 38	1 17	0 19	2 38	1 7	0 41	21 54	0 17	18 18	3 23	6 54	6 20	12 42		n.a.
M17	23 14	17 58	3 54	22 47	0s 5	10 7	2 53	17 21	3 10	3 38	1 17	0 19	2 38	1 7	0 41	21 54	0 17	18 18	3 23	6 52	6 18	12 43		n.a.
T 18	23 19	18 55	4 36	22 29	0 17	10 29	2 53	17 23	3 11	3 39	1 16	0 18	2 37	1 7	0 41	21 54	0 17	18 18	3 23	6 48	6 17	12 45		n.a.
W19	23 23	18 35	4 59	22 10	0 28	10 51	2 52	17 24	3 13	3 39	1 16	0 18	2 37	1 6	0 41	21 55	0 17	18 18	3 23	6 45	6 16	12 46		n.a.
T 20	23 27	17 4	5 3	21 52	0 40	11 12	2 51	17 26	3 14	3 40	1 16	0 18	2 37	1 6	0 41	21 55	0 17	18 18	3 23	6 41	6 15	12 48		n.a.
F 21	23 31	14 34	4 49	21 33	0 52	11 34	2 50	17 28	3 15	3 41	1 15	0 17	2 37	1 6	0 41	21 55	0 17	18 18	3 22	6 38	6 13	12 49		n.a.
S 22	23 34	11 21	4 18	21 14	1 5	11 55	2 49	17 30	3 16	3 41	1 15	0 17	2 36	1 6	0 41	21 55	0 17	18 18	3 22	6 35	6 12	12 50		n.a.
S 23	23 37	7 42	3 35	20 56	1 18	12 17	2 48	17 32	3 17	3 42	1 15	0 16	2 36	1 6	0 41	21 56	0 17	18 18	3 22	6 33	6 11	12 52		n.a.
M24	23 39	3 47	2 43	20 37	1 31	12 38	2 46	17 35	3 18	3 43	1 15	0 16	2 36	1 5	0 41	21 56	0 17	18 18	3 22	6 32	6 10	12 53		n.a.
T 25	23 41	0s11	1 44	20 19	1 44	12 59	2 45	17 38	3 19	3 44	1 14	0 15	2 36	1 5	0 41	21 56	0 17	18 17	3 22	6 32	6 8	12 54		n.a.
W26	23 43	4 4	0 42	20 2	1 57	13 20	2 43	17 41	3 20	3 45	1 14	0 14	2 35	1 5	0 41	21 56	0 17	18 17	3 22	6 32	6 7	12 56		n.a.
T 27	23 44	7 44	0n21	19 45	2 10	13 41	2 42	17 44	3 21	3 46	1 14	0 14	2 35	1 4	0 40	21 57	0 17	18 17	3 22	6 32	6 6	12 57		n.a.
F 28	23 45	11 5	1 23	19 28	2 24	14 2	2 40	17 47	3 21	3 47	1 13	0 13	2 35	1 4	0 40	21 57	0 17	18 17	3 21	6 32	6 5	12 58		n.a.
S 29	23 45	14 0	2 21	19 12	2 37	14 23	2 38	17 51	3 22	3 48	1 13	0 12	2 34	1 4	0 40	21 57	0 17	18 17	3 21	6 31	6 4	13 0		n.a.
S 30	23n45	16s21	3n13	18n58	2s50	14n43	2s37	17s54	3s23	3s50	1n13	0n11	2n34	1n 3	0n40	21s58	0s17	18s17	3n21	6s29	6s 2	13s 1		n.a.

Julian Day Number = 1552828.5, Delta T = 04h29m38s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'51, Lahiri = -10°19'50 Julian Calendar 1 June 462 BCE == Greg. Calendar 27 May 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

JULY 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 11 24	1♋48'00	7♐54	23♋ 6	18♉24	9♏17	12♎24	5♎24	28♍56	23°R26	5°R58	16°R 7	15♎ 5	10♏24	n.a.	M 1
T 2	18 15 21	2°45'23	20° 6	23°R 7	19°29	9°28	12°27	5°26	28°56	23♑25	5♐56	15♎57	15° 2	10°31	n.a.	T 2
W 3	18 19 18	3°42'46	2♑30	23° 2	20°35	9°40	12°30	5°28	28°57	23°23	5°55	15°45	14°59	10°37	n.a.	W 3
T 4	18 23 14	4°40'11	15° 6	22°52	21°41	9°52	12°33	5°29	28°59	23°22	5°54	15°32	14°56	10°44	n.a.	T 4
F 5	18 27 11	5°37'37	27°54	22°37	22°47	10° 6	12°37	5°31	29° 0	23°20	5°52	15°20	14°53	10°51	n.a.	F 5
S 6	18 31 7	6°35'04	10♒54	22°17	23°54	10°20	12°40	5°33	29° 1	23°19	5°51	15° 9	14°49	10°57	n.a.	S 6
S 7	18 35 4	7°32'33	24° 5	21°51	25° 0	10°35	12°44	5°35	29° 2	23°17	5°50	15° 1	14°46	11° 4	n.a.	S 7
M 8	18 39 0	8°30'03	7♓28	21°21	26° 7	10°50	12°48	5°37	29° 3	23°15	5°49	14°56	14°43	11°11	n.a.	M 8
T 9	18 42 57	9°27'34	21° 3	20°46	27°14	11° 6	12°52	5°39	29° 5	23°14	5°48	14°53	14°40	11°17	n.a.	T 9
W10	18 46 53	10°25'07	4♈49	20° 6	28°21	11°22	12°56	5°42	29° 6	23°12	5°46	14°52	14°37	11°24	n.a.	W10
T 11	18 50 50	11°22'42	18°48	19°23	29°28	11°40	13° 1	5°44	29° 7	23°11	5°45	14°52	14°33	11°31	n.a.	T 11
F 12	18 54 47	12°20'18	2♉59	18°37	0♊35	11°58	13° 5	5°47	29° 9	23° 9	5°44	14°52	14°30	11°37	n.a.	F 12
S 13	18 58 43	13°17'56	17°21	17°49	1°43	12°16	13°10	5°49	29°10	23° 7	5°43	14°49	14°27	11°44	n.a.	S 13
S 14	19 2 40	14°15'36	1♊52	16°59	2°50	12°35	13°15	5°52	29°12	23° 6	5°42	14°45	14°24	11°51	n.a.	S 14
M15	19 6 36	15°13'17	16°27	16° 8	3°58	12°55	13°20	5°55	29°14	23° 4	5°41	14°37	14°21	11°57	n.a.	M15
T 16	19 10 33	16°11'00	0♋59	15°18	5° 6	13°15	13°25	5°57	29°15	23° 3	5°40	14°27	14°18	12° 4	n.a.	T 16
W17	19 14 29	17° 8'45	15°23	14°29	6°14	13°36	13°31	6° 0	29°17	23° 1	5°39	14°15	14°14	12°11	n.a.	W17
T 18	19 18 26	18° 6'31	29°30	13°43	7°22	13°57	13°36	6° 3	29°19	22°59	5°38	14° 4	14°11	12°17	n.a.	T 18
F 19	19 22 22	19° 4'18	13♌17	13° 0	8°31	14°19	13°42	6° 6	29°21	22°58	5°37	13°53	14° 8	12°24	n.a.	F 19
S 20	19 26 19	20° 2'07	26°40	12°21	9°39	14°42	13°48	6°10	29°22	22°56	5°36	13°44	14° 5	12°31	n.a.	S 20
S 21	19 30 16	20°59'57	9♍39	11°47	10°48	15° 5	13°54	6°13	29°24	22°54	5°35	13°38	14° 2	12°37	n.a.	S 21
M22	19 34 12	21°57'49	22°15	11°19	11°57	15°28	14° 0	6°16	29°26	22°53	5°34	13°34	13°59	12°44	n.a.	M22
T 23	19 38 9	22°55'42	4♎32	10°57	13° 6	15°52	14° 6	6°20	29°28	22°51	5°33	13°33	13°55	12°51	n.a.	T 23
W24	19 42 5	23°53'36	16°35	10°43	14°15	16°17	14°13	6°23	29°30	22°50	5°32	13°D33	13°52	12°57	n.a.	W24
T 25	19 46 2	24°51'32	28°28	10°D36	15°24	16°42	14°19	6°27	29°32	22°48	5°31	13°R33	13°49	13° 4	n.a.	T 25
F 26	19 49 58	25°49'29	10♏17	10°37	16°33	17° 7	14°26	6°30	29°34	22°46	5°30	13°32	13°46	13°11	n.a.	F 26
S 27	19 53 55	26°47'28	22° 7	10°46	17°42	17°33	14°33	6°34	29°37	22°45	5°29	13°29	13°43	13°17	n.a.	S 27
S 28	19 57 51	27°45'28	4♐ 4	11° 3	18°52	17°59	14°40	6°38	29°39	22°43	5°29	13°24	13°39	13°24	n.a.	S 28
M29	20 1 48	28°43'30	16°11	11°28	20° 2	18°26	14°47	6°42	29°41	22°41	5°28	13°17	13°36	13°31	n.a.	M29
T 30	20 5 45	29°41'34	28°32	12° 2	21°11	18°53	14°54	6°46	29°43	22°40	5°27	13° 7	13°33	13°37	n.a.	T 30
W31	20 9 41	0♌39'39	11♑ 9	12♋43	22♊21	19♏21	15♎ 2	6♎50	29♍46	22♑38	5♐26	12♎56	13♎30	13♏44	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	23n44	18s 0	3n57	18n44	3s 3	15n 3	2s35	17s58	3s23	3s51	1n12	0n11	2n34	1n 3	0n40	21s58	0s17	18s17	3n21	6s25		6s 1		13s 2			n.a.
T 2	23 43	18 52	4 31	18 31	3 16	15 23	2 33	18 2	3 24	3 52	1 12	0 10	2 34	1 2	0 40	21 58	0 17	18 17	3 21	6 21		6 0		13 4			n.a.
W 3	23 42	18 51	4 53	18 20	3 28	15 43	2 30	18 7	3 24	3 54	1 12	0 9	2 33	1 2	0 40	21 58	0 17	18 17	3 21	6 16		5 59		13 5			n.a.
T 4	23 40	17 54	5 1	18 10	3 40	16 2	2 28	18 11	3 24	3 56	1 12	0 8	2 33	1 2	0 40	21 59	0 17	18 17	3 21	6 11		5 57		13 6			n.a.
F 5	23 38	16 3	4 54	18 1	3 51	16 21	2 26	18 16	3 25	3 57	1 11	0 7	2 33	1 1	0 40	21 59	0 17	18 17	3 20	6 7		5 56		13 8			n.a.
S 6	23 35	13 22	4 31	17 54	4 2	16 40	2 24	18 21	3 25	3 59	1 11	0 6	2 33	1 1	0 40	21 59	0 17	18 17	3 20	6 3		5 55		13 9			n.a.
S 7	23 32	9 59	3 54	17 49	4 11	16 59	2 21	18 26	3 25	4 1	1 11	0 5	2 32	1 0	0 40	22 0	0 17	18 16	3 20	5 59		5 54		13 10			n.a.
M 8	23 28	6 2	3 4	17 46	4 19	17 17	2 19	18 31	3 26	4 2	1 10	0 4	2 32	0 59	0 40	22 0	0 17	18 16	3 20	5 57		5 52		13 12			n.a.
T 9	23 24	1 43	2 3	17 44	4 26	17 35	2 16	18 36	3 26	4 4	1 10	0 3	2 32	0 59	0 40	22 0	0 17	18 16	3 20	5 56		5 51		13 13			n.a.
W10	23 20	2n45	0 53	17 44	4 32	17 53	2 14	18 42	3 26	4 6	1 10	0 1	2 32	0 58	0 40	22 0	0 17	18 16	3 20	5 56		5 50		13 14			n.a.
T 11	23 15	7 8	0s21	17 46	4 36	18 10	2 11	18 47	3 26	4 8	1 10	0 0	2 31	0 58	0 40	22 1	0 17	18 16	3 19	5 56		5 49		13 16			n.a.
F 12	23 10	11 11	1 34	17 50	4 39	18 27	2 8	18 53	3 26	4 10	1 9	0s 1	2 31	0 57	0 40	22 1	0 17	18 16	3 19	5 56		5 47		13 17			n.a.
S 13	23 4	14 38	2 43	17 55	4 40	18 43	2 5	18 59	3 26	4 12	1 9	0 2	2 31	0 56	0 40	22 1	0 17	18 16	3 19	5 55		5 46		13 18			n.a.
S 14	22 58	17 11	3 41	18 3	4 39	19 0	2 2	19 5	3 26	4 15	1 9	0 4	2 30	0 56	0 40	22 2	0 17	18 16	3 19	5 53		5 45		13 20			n.a.
M15	22 52	18 39	4 26	18 12	4 36	19 15	2 0	19 11	3 26	4 17	1 8	0 5	2 30	0 55	0 40	22 2	0 17	18 16	3 19	5 50		5 44		13 21			n.a.
T 16	22 45	18 52	4 53	18 22	4 31	19 31	1 57	19 17	3 26	4 19	1 8	0 6	2 30	0 54	0 40	22 2	0 17	18 16	3 19	5 46		5 42		13 22			n.a.
W17	22 38	17 52	5 1	18 34	4 25	19 46	1 54	19 23	3 26	4 22	1 8	0 8	2 30	0 54	0 40	22 2	0 17	18 16	3 18	5 42		5 41		13 23			n.a.
T 18	22 30	15 47	4 50	18 47	4 16	20 0	1 51	19 30	3 26	4 24	1 8	0 9	2 29	0 53	0 40	22 3	0 17	18 16	3 18	5 37		5 40		13 25			n.a.
F 19	22 22	12 51	4 23	19 1	4 6	20 14	1 48	19 36	3 25	4 26	1 7	0 11	2 29	0 52	0 40	22 3	0 17	18 16	3 18	5 33		5 39		13 26			n.a.
S 20	22 14	9 19	3 41	19 17	3 54	20 28	1 44	19 43	3 25	4 29	1 7	0 12	2 29	0 51	0 40	22 3	0 17	18 16	3 18	5 29		5 37		13 27			n.a.
S 21	22 5	5 26	2 49	19 33	3 41	20 41	1 41	19 50	3 25	4 32	1 7	0 14	2 29	0 51	0 40	22 4	0 17	18 16	3 18	5 27		5 36		13 29			n.a.
M22	21 56	1 25	1 50	19 49	3 27	20 54	1 38	19 57	3 25	4 34	1 7	0 15	2 29	0 50	0 39	22 4	0 17	18 16	3 18	5 25		5 35		13 30			n.a.
T 23	21 46	2s33	0 48	20 6	3 12	21 6	1 35	20 3	3 24	4 37	1 6	0 17	2 28	0 49	0 39	22 4	0 17	18 16	3 17	5 25		5 34		13 31			n.a.
W24	21 36	6 21	0n16	20 24	2 56	21 17	1 32	20 10	3 24	4 40	1 6	0 18	2 28	0 48	0 39	22 4	0 17	18 16	3 17	5 25		5 32		13 32			n.a.
T 25	21 26	9 51	1 18	20 41	2 39	21 28	1 28	20 17	3 24	4 43	1 6	0 20	2 28	0 47	0 39	22 5	0 17	18 16	3 17	5 25		5 31		13 34			n.a.
F 26	21 15	12 56	2 17	20 58	2 22	21 39	1 25	20 24	3 23	4 45	1 5	0 22	2 28	0 46	0 39	22 5	0 17	18 16	3 17	5 24		5 30		13 35			n.a.
S 27	21 4	15 29	3 10	21 15	2 4	21 49	1 22	20 32	3 23	4 48	1 5	0 23	2 27	0 45	0 39	22 5	0 17	18 16	3 17	5 23		5 29		13 36			n.a.
S 28	20 53	17 24	3 54	21 31	1 46	21 58	1 18	20 39	3 23	4 51	1 5	0 25	2 27	0 44	0 39	22 6	0 17	18 16	3 16	5 21		5 27		13 38			n.a.
M29	20 41	18 33	4 29	21 46	1 29	22 7	1 15	20 46	3 22	4 54	1 5	0 27	2 27	0 44	0 39	22 6	0 17	18 16	3 16	5 18		5 26		13 39			n.a.
T 30	20 29	18 52	4 52	22 0	1 12	22 16	1 12	20 53	3 22	4 57	1 4	0 29	2 27	0 43	0 39	22 6	0 17	18 16	3 16	5 15		5 25		13 40			n.a.
W31	20n16	18s16	5n 2	22n13	0s55	22n23	1s 8	21s 1	3s21	5s 1	1n 4	0s31	2n26	0n42	0n39	22s 6	0s17	18s16	3n16	5s10		5s24		13s41			n.a.

Julian Day Number = 1552858.5, Delta T = 04h29m36s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'46, Lahiri = -10°19'46 Julian Calendar 1 July 462 BCE == Greg. Calendar 26 June 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

AUGUST 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 13 38	1♌37'46	24♉ 1	13♋32	23♊31	19♏49	15♎ 9	6♎54	29♍48	22°R36	5°R26	12°R43	13♎27	13♏51	n.a.	T 1
F 2	20 17 34	2°35'54	7♒ 9	14°29	24°41	20°18	15°17	6°58	29°51	22♉35	5♐25	12♎32	13°24	13°57	n.a.	F 2
S 3	20 21 31	3°34'05	20°32	15°32	25°51	20°46	15°25	7° 2	29°53	22°33	5°25	12°22	13°20	14° 4	n.a.	S 3
S 4	20 25 27	4°32'17	4♓ 6	16°42	27° 2	21°16	15°33	7° 7	29°55	22°32	5°24	12°14	13°17	14°11	n.a.	S 4
M 5	20 29 24	5°30'32	17°50	17°59	28°12	21°45	15°41	7°11	29°58	22°30	5°23	12°10	13°14	14°17	n.a.	M 5
T 6	20 33 20	6°28'48	1♈41	19°21	29°23	22°15	15°49	7°16	0♎ 1	22°28	5°23	12° 7	13°11	14°24	n.a.	T 6
W 7	20 37 17	7°27'07	15°39	20°49	0♋33	22°45	15°57	7°20	0° 3	22°27	5°22	12°D 7	13° 8	14°31	n.a.	W 7
T 8	20 41 14	8°25'28	29°42	22°21	1°44	23°16	16° 6	7°25	0° 6	22°25	5°22	12° 7	13° 5	14°37	n.a.	T 8
F 9	20 45 10	9°23'51	13♉49	23°57	2°55	23°47	16°14	7°30	0° 9	22°24	5°21	12°R 8	13° 1	14°44	n.a.	F 9
S 10	20 49 7	10°22'16	27°59	25°37	4° 6	24°18	16°23	7°34	0°11	22°22	5°21	12° 6	12°58	14°51	n.a.	S 10
S 11	20 53 3	11°20'44	12♊11	27°20	5°17	24°50	16°32	7°39	0°14	22°21	5°21	12° 3	12°55	14°57	n.a.	S 11
M12	20 57 0	12°19'14	26°22	29° 5	6°28	25°22	16°41	7°44	0°17	22°19	5°20	11°57	12°52	15° 4	n.a.	M12
T 13	21 0 56	13°17'47	10♋28	0♌53	7°40	25°54	16°50	7°49	0°20	22°18	5°20	11°49	12°49	15°11	n.a.	T 13
W14	21 4 53	14°16'22	24°26	2°42	8°51	26°26	16°59	7°54	0°23	22°16	5°19	11°40	12°45	15°17	n.a.	W14
T 15	21 8 49	15°14'58	8♌10	4°32	10° 3	26°59	17° 8	7°59	0°25	22°15	5°19	11°30	12°42	15°24	n.a.	T 15
F 16	21 12 46	16°13'37	21°39	6°24	11°14	27°32	17°17	8° 4	0°28	22°13	5°19	11°21	12°39	15°31	n.a.	F 16
S 17	21 16 43	17°12'18	4♍49	8°16	12°26	28° 6	17°27	8°10	0°31	22°12	5°19	11°14	12°36	15°37	n.a.	S 17
S 18	21 20 39	18°11'00	17°39	10° 8	13°38	28°39	17°37	8°15	0°34	22°10	5°19	11° 9	12°33	15°44	n.a.	S 18
M19	21 24 36	19° 9'45	0♎10	12° 0	14°49	29°13	17°46	8°20	0°37	22° 9	5°18	11° 6	12°30	15°51	n.a.	M19
T 20	21 28 32	20° 8'32	12°25	13°52	16° 1	29°48	17°56	8°26	0°41	22° 7	5°18	11°D 6	12°26	15°57	n.a.	T 20
W21	21 32 29	21° 7'20	24°26	15°44	17°13	0♐22	18° 6	8°31	0°44	22° 6	5°18	11° 6	12°23	16° 4	n.a.	W21
T 22	21 36 25	22° 6'10	6♏20	17°36	18°26	0°57	18°16	8°37	0°47	22° 5	5°18	11° 8	12°20	16°11	n.a.	T 22
F 23	21 40 22	23° 5'03	18° 9	19°27	19°38	1°32	18°26	8°42	0°50	22° 3	5°18	11°R 9	12°17	16°17	n.a.	F 23
S 24	21 44 18	24° 3'57	0♐ 0	21°17	20°50	2° 7	18°36	8°48	0°53	22° 2	5°D18	11° 9	12°14	16°24	n.a.	S 24
S 25	21 48 15	25° 2'53	11°58	23° 7	22° 2	2°43	18°46	8°53	0°56	22° 1	5°18	11° 7	12°10	16°31	n.a.	S 25
M26	21 52 11	26° 1'51	24° 7	24°56	23°15	3°19	18°57	8°59	1° 0	21°59	5°18	11° 3	12° 7	16°37	n.a.	M26
T 27	21 56 8	27° 0'50	6♑32	26°44	24°27	3°55	19° 7	9° 5	1° 3	21°58	5°18	10°58	12° 4	16°44	n.a.	T 27
W28	22 0 5	27°59'52	19°16	28°31	25°40	4°31	19°18	9°11	1° 6	21°57	5°18	10°51	12° 1	16°51	n.a.	W28
T 29	22 4 1	28°58'56	2♒20	0♍18	26°53	5° 7	19°29	9°17	1° 9	21°56	5°18	10°44	11°58	16°57	n.a.	T 29
F 30	22 7 58	29°58'02	15°44	2° 3	28° 5	5°44	19°39	9°23	1°13	21°54	5°19	10°37	11°55	17° 4	n.a.	F 30
S 31	22 11 54	0♍57'09	29♒28	3♍48	29♋18	6♐21	19♎50	9♎29	1♎16	21♉53	5♐19	10♎31	11♎51	17♏11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	20n 3	16s43	4n56	22n25	0s38	22n31	1s 5	21s 8	3s21	5s 4	1n 4	0s32	2n26	0n41	0n39	22s 7	0s17	18s17	3n16	5s 5	5s22	13s43			n.a.
F 2	19 50	14 17	4 35	22 35	0 23	22 37	1 1	21 15	3 20	5 7	1 4	0 34	2 26	0 40	0 39	22 7	0 17	18 17	3 15	5 1	5 21	13 44			n.a.
S 3	19 36	11 4	3 58	22 43	0 7	22 43	0 58	21 23	3 19	5 10	1 3	0 36	2 26	0 39	0 39	22 7	0 17	18 17	3 15	4 57	5 20	13 45			n.a.
S 4	19 22	7 13	3 8	22 48	0n 7	22 48	0 54	21 30	3 19	5 14	1 3	0 38	2 26	0 38	0 39	22 8	0 17	18 17	3 15	4 54	5 19	13 46			n.a.
M 5	19 8	2 57	2 6	22 52	0 20	22 53	0 51	21 37	3 18	5 17	1 3	0 40	2 25	0 36	0 39	22 8	0 17	18 17	3 15	4 52	5 17	13 48			n.a.
T 6	18 54	1n31	0 55	22 53	0 33	22 57	0 48	21 45	3 18	5 20	1 3	0 42	2 25	0 35	0 39	22 8	0 17	18 17	3 15	4 51	5 16	13 49			n.a.
W 7	18 39	5 57	0s19	22 51	0 45	23 1	0 44	21 52	3 17	5 24	1 3	0 44	2 25	0 34	0 39	22 8	0 17	18 17	3 15	4 51	5 15	13 50			n.a.
T 8	18 23	10 4	1 32	22 47	0 55	23 4	0 41	22 0	3 16	5 27	1 2	0 46	2 25	0 33	0 39	22 9	0 18	18 17	3 14	4 51	5 14	13 51			n.a.
F 9	18 8	13 38	2 41	22 40	1 5	23 6	0 37	22 7	3 16	5 31	1 2	0 48	2 24	0 32	0 39	22 9	0 18	18 17	3 14	4 51	5 12	13 53			n.a.
S 10	17 52	16 24	3 40	22 30	1 14	23 7	0 34	22 14	3 15	5 34	1 2	0 50	2 24	0 31	0 39	22 9	0 18	18 17	3 14	4 51	5 11	13 54			n.a.
S 11	17 36	18 10	4 25	22 18	1 21	23 8	0 30	22 21	3 14	5 38	1 2	0 52	2 24	0 30	0 39	22 9	0 18	18 18	3 14	4 49	5 10	13 55			n.a.
M12	17 19	18 48	4 54	22 2	1 28	23 8	0 27	22 29	3 14	5 42	1 1	0 55	2 24	0 29	0 39	22 10	0 18	18 18	3 14	4 47	5 9	13 56			n.a.
T 13	17 3	18 16	5 5	21 45	1 34	23 8	0 24	22 36	3 13	5 45	1 1	0 57	2 24	0 28	0 39	22 10	0 18	18 18	3 13	4 44	5 7	13 58			n.a.
W14	16 46	16 38	4 57	21 24	1 39	23 7	0 20	22 43	3 12	5 49	1 1	0 59	2 23	0 26	0 39	22 10	0 18	18 18	3 13	4 40	5 6	13 59			n.a.
T 15	16 28	14 4	4 33	21 2	1 42	23 5	0 17	22 50	3 11	5 53	1 1	1 1	2 23	0 25	0 39	22 10	0 18	18 18	3 13	4 36	5 5	14 0			n.a.
F 16	16 11	10 47	3 53	20 37	1 45	23 2	0 14	22 57	3 11	5 57	1 0	1 3	2 23	0 24	0 39	22 11	0 18	18 18	3 13	4 33	5 4	14 1			n.a.
S 17	15 53	7 3	3 2	20 10	1 48	22 59	0 10	23 4	3 10	6 1	1 0	1 6	2 23	0 23	0 39	22 11	0 18	18 18	3 13	4 30	5 2	14 3			n.a.
S 18	15 35	3 4	2 3	19 41	1 49	22 56	0 7	23 11	3 9	6 4	1 0	1 8	2 23	0 21	0 39	22 11	0 18	18 19	3 12	4 28	5 1	14 4			n.a.
M19	15 16	0s58	0 59	19 10	1 50	22 51	0 4	23 18	3 8	6 8	1 0	1 10	2 23	0 20	0 39	22 11	0 18	18 19	3 12	4 27	5 0	14 5			n.a.
T 20	14 57	4 51	0n 7	18 38	1 50	22 46	0 0	23 25	3 7	6 12	1 0	1 12	2 22	0 19	0 39	22 12	0 18	18 19	3 12	4 27	4 59	14 6			n.a.
W21	14 39	8 29	1 11	18 4	1 49	22 40	0n 3	23 31	3 6	6 16	0 59	1 15	2 22	0 18	0 38	22 12	0 18	18 19	3 12	4 27	4 57	14 7			n.a.
T 22	14 19	11 44	2 12	17 28	1 48	22 34	0 6	23 38	3 5	6 20	0 59	1 17	2 22	0 16	0 38	22 12	0 18	18 19	3 12	4 28	4 56	14 9			n.a.
F 23	14 0	14 28	3 7	16 51	1 46	22 26	0 9	23 45	3 5	6 24	0 59	1 19	2 22	0 15	0 38	22 12	0 18	18 19	3 11	4 28	4 55	14 10			n.a.
S 24	13 40	16 37	3 53	16 14	1 44	22 19	0 12	23 51	3 4	6 29	0 59	1 22	2 22	0 14	0 38	22 13	0 18	18 20	3 11	4 28	4 54	14 11			n.a.
S 25	13 20	18 3	4 31	15 35	1 41	22 10	0 15	23 57	3 3	6 33	0 59	1 24	2 22	0 12	0 38	22 13	0 18	18 20	3 11	4 27	4 52	14 12			n.a.
M26	13 0	18 41	4 56	14 55	1 38	22 1	0 18	24 4	3 2	6 37	0 58	1 27	2 21	0 11	0 38	22 13	0 18	18 20	3 11	4 26	4 51	14 13			n.a.
T 27	12 40	18 27	5 8	14 14	1 34	21 51	0 21	24 10	3 1	6 41	0 58	1 29	2 21	0 10	0 38	22 13	0 18	18 20	3 11	4 24	4 50	14 15			n.a.
W28	12 19	17 18	5 6	13 33	1 30	21 41	0 24	24 16	3 0	6 45	0 58	1 32	2 21	0 8	0 38	22 13	0 18	18 20	3 10	4 21	4 49	14 16			n.a.
T 29	11 59	15 13	4 48	12 51	1 26	21 30	0 27	24 22	2 59	6 50	0 58	1 34	2 21	0 7	0 38	22 14	0 18	18 21	3 10	4 18	4 47	14 17			n.a.
F 30	11 38	12 17	4 14	12 9	1 22	21 18	0 30	24 28	2 58	6 54	0 58	1 37	2 21	0 6	0 38	22 14	0 18	18 21	3 10	4 15	4 46	14 18			n.a.
S 31	11n17	8s37	3n24	11n26	1n17	21n 6	0n33	24s33	2s57	6s58	0n57	1s39	2n21	0n 4	0n38	22s14	0s18	18s21	3n10	4s13	4s45	14s19			n.a.

Julian Day Number = 1552889.5, Delta T = 04h29m35s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'42, Lahiri = -10°19'42 Julian Calendar 1 Aug. 462 BCE == Greg. Calendar 27 July 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

SEPTEMBER 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 15 51	1♍56'19	13♓26	5♍32	0♌31	6♐58	20♎ 1	9♎35	1♎20	21°R52	5♐19	10°R27	11♎48	17♏17	n.a.	S 1
M 2	22 19 47	2°55'31	27°37	7°15	1°44	7°35	20°12	9°41	1°23	21♑51	5°19	10♎24	11°45	17°24	n.a.	M 2
T 3	22 23 44	3°54'46	11♈54	8°57	2°57	8°12	20°23	9°47	1°26	21°50	5°20	10°D24	11°42	17°31	n.a.	T 3
W 4	22 27 40	4°54'02	26°14	10°39	4°10	8°50	20°34	9°53	1°30	21°49	5°20	10°24	11°39	17°37	n.a.	W 4
T 5	22 31 37	5°53'21	10♉34	12°19	5°24	9°27	20°46	9°59	1°33	21°48	5°20	10°26	11°36	17°44	n.a.	T 5
F 6	22 35 33	6°52'43	24°49	13°59	6°37	10° 5	20°57	10° 6	1°37	21°47	5°21	10°27	11°32	17°51	n.a.	F 6
S 7	22 39 30	7°52'07	8♊59	15°38	7°50	10°43	21° 8	10°12	1°40	21°46	5°21	10°R28	11°29	17°57	n.a.	S 7
S 8	22 43 27	8°51'34	23° 0	17°16	9° 4	11°22	21°20	10°18	1°44	21°45	5°21	10°27	11°26	18° 4	n.a.	S 8
M 9	22 47 23	9°51'03	6♋53	18°54	10°17	12° 0	21°31	10°25	1°47	21°44	5°22	10°25	11°23	18°11	n.a.	M 9
T 10	22 51 20	10°50'35	20°36	20°31	11°31	12°39	21°43	10°31	1°51	21°43	5°22	10°21	11°20	18°17	n.a.	T 10
W11	22 55 16	11°50'09	4♌ 7	22° 7	12°45	13°18	21°55	10°37	1°55	21°42	5°23	10°17	11°16	18°24	n.a.	W11
T 12	22 59 13	12°49'45	17°26	23°42	13°58	13°56	22° 6	10°44	1°58	21°41	5°24	10°12	11°13	18°31	n.a.	T 12
F 13	23 3 9	13°49'23	0♍30	25°17	15°12	14°35	22°18	10°50	2° 2	21°40	5°24	10° 8	11°10	18°38	n.a.	F 13
S 14	23 7 6	14°49'04	13°20	26°51	16°26	15°15	22°30	10°57	2° 6	21°39	5°25	10° 5	11° 7	18°44	n.a.	S 14
S 15	23 11 2	15°48'46	25°55	28°24	17°40	15°54	22°42	11° 4	2° 9	21°38	5°25	10° 3	11° 4	18°51	n.a.	S 15
M16	23 14 59	16°48'31	8♎17	29°57	18°54	16°34	22°54	11°10	2°13	21°38	5°26	10°D 2	11° 1	18°58	n.a.	M16
T 17	23 18 56	17°48'18	20°25	1♎29	20° 8	17°13	23° 6	11°17	2°17	21°37	5°27	10° 2	10°57	19° 4	n.a.	T 17
W18	23 22 52	18°48'07	2♏24	3° 0	21°22	17°53	23°19	11°24	2°20	21°36	5°28	10° 4	10°54	19°11	n.a.	W18
T 19	23 26 49	19°47'57	14°16	4°31	22°36	18°33	23°31	11°30	2°24	21°35	5°28	10° 5	10°51	19°18	n.a.	T 19
F 20	23 30 45	20°47'50	26° 5	6° 1	23°50	19°13	23°43	11°37	2°28	21°35	5°29	10° 7	10°48	19°24	n.a.	F 20
S 21	23 34 42	21°47'44	7♐55	7°31	25° 4	19°53	23°55	11°44	2°31	21°34	5°30	10° 8	10°45	19°31	n.a.	S 21
S 22	23 38 38	22°47'41	19°52	9° 0	26°19	20°33	24° 8	11°50	2°35	21°34	5°31	10°R 9	10°42	19°38	n.a.	S 22
M23	23 42 35	23°47'39	1♑59	10°28	27°33	21°14	24°20	11°57	2°39	21°33	5°32	10° 8	10°38	19°44	n.a.	M23
T 24	23 46 31	24°47'38	14°22	11°56	28°47	21°54	24°33	12° 4	2°43	21°32	5°33	10° 8	10°35	19°51	n.a.	T 24
W25	23 50 28	25°47'40	27° 5	13°23	0♍ 2	22°35	24°45	12°11	2°46	21°32	5°34	10° 6	10°32	19°58	n.a.	W25
T 26	23 54 24	26°47'43	10♒11	14°49	1°16	23°16	24°58	12°18	2°50	21°31	5°35	10° 4	10°29	20° 4	n.a.	T 26
F 27	23 58 21	27°47'48	23°42	16°14	2°31	23°57	25°11	12°25	2°54	21°31	5°36	10° 2	10°26	20°11	n.a.	F 27
S 28	0 2 18	28°47'55	7♓36	17°39	3°45	24°38	25°23	12°32	2°58	21°31	5°37	10° 1	10°22	20°18	n.a.	S 28
S 29	0 6 14	29°48'04	21°52	19° 3	5° 0	25°19	25°36	12°39	3° 1	21°30	5°38	10° 0	10°19	20°24	n.a.	S 29
M30	0 10 11	0♎48'14	6♈26	20♎27	6♍15	26♐ 0	25♎49	12♎46	3♎ 5	21♑30	5♐39	10°D 0	10♎16	20♏31	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n55	4s25	2n21	10n42	1n11	20n53	0n36	24s39	2s56	7s 2	0n57	1s42	2n20	0n 3	0n38	22s14	0s18	18s21	3n10	4s11	4s44	14s21		n.a.
M 2	10 34	0n 6	1 9	9 59	1 6	20 39	0 38	24 44	2 55	7 7	0 57	1 44	2 20	0 2	0 38	22 14	0 18	18 22	3 9	4 10	4 42	14 22		n.a.
T 3	10 12	4 38	0s 8	9 15	1 0	20 25	0 41	24 49	2 54	7 11	0 57	1 47	2 20	0 0	0 38	22 15	0 18	18 22	3 9	4 10	4 41	14 23		n.a.
W 4	9 50	8 56	1 25	8 31	0 55	20 10	0 44	24 54	2 53	7 16	0 57	1 49	2 20	0s 1	0 38	22 15	0 18	18 22	3 9	4 10	4 40	14 24		n.a.
T 5	9 28	12 42	2 37	7 46	0 49	19 55	0 46	24 59	2 52	7 20	0 57	1 52	2 20	0 3	0 38	22 15	0 18	18 22	3 9	4 11	4 39	14 25		n.a.
F 6	9 6	15 40	3 39	7 2	0 42	19 39	0 49	25 4	2 51	7 25	0 56	1 55	2 20	0 4	0 38	22 15	0 18	18 23	3 9	4 11	4 37	14 27		n.a.
S 7	8 44	17 41	4 27	6 17	0 36	19 22	0 51	25 9	2 50	7 29	0 56	1 57	2 20	0 6	0 38	22 15	0 18	18 23	3 8	4 12	4 36	14 28		n.a.
S 8	8 21	18 35	4 59	5 33	0 30	19 5	0 53	25 13	2 49	7 34	0 56	2 0	2 20	0 7	0 38	22 16	0 18	18 23	3 8	4 11	4 35	14 29		n.a.
M 9	7 58	18 22	5 12	4 48	0 23	18 47	0 56	25 18	2 48	7 38	0 56	2 2	2 19	0 8	0 38	22 16	0 18	18 23	3 8	4 10	4 33	14 30		n.a.
T 10	7 36	17 4	5 8	4 4	0 17	18 29	0 58	25 22	2 47	7 43	0 56	2 5	2 19	0 10	0 38	22 16	0 18	18 24	3 8	4 9	4 32	14 31		n.a.
W11	7 13	14 50	4 47	3 19	0 10	18 10	1 0	25 26	2 46	7 47	0 56	2 8	2 19	0 11	0 38	22 16	0 18	18 24	3 8	4 7	4 31	14 32		n.a.
T 12	6 50	11 51	4 10	2 35	0 3	17 51	1 2	25 30	2 45	7 52	0 55	2 10	2 19	0 13	0 38	22 16	0 18	18 24	3 7	4 5	4 30	14 34		n.a.
F 13	6 27	8 19	3 20	1 51	0s 4	17 31	1 4	25 33	2 44	7 56	0 55	2 13	2 19	0 14	0 38	22 16	0 18	18 25	3 7	4 4	4 28	14 35		n.a.
S 14	6 3	4 27	2 22	1 7	0 10	17 10	1 6	25 37	2 43	8 1	0 55	2 16	2 19	0 16	0 38	22 16	0 18	18 25	3 7	4 3	4 27	14 36		n.a.
S 15	5 40	0 28	1 17	0 23	0 17	16 49	1 8	25 40	2 42	8 6	0 55	2 18	2 19	0 17	0 38	22 17	0 18	18 25	3 7	4 2	4 26	14 37		n.a.
M16	5 16	3s28	0 10	0s21	0 24	16 28	1 10	25 43	2 40	8 10	0 55	2 21	2 19	0 19	0 38	22 17	0 18	18 26	3 7	4 1	4 25	14 38		n.a.
T 17	4 53	7 12	0n57	1 4	0 31	16 6	1 12	25 46	2 39	8 15	0 55	2 24	2 19	0 20	0 38	22 17	0 18	18 26	3 6	4 2	4 23	14 39		n.a.
W18	4 29	10 35	2 0	1 47	0 38	15 44	1 14	25 49	2 38	8 20	0 54	2 27	2 18	0 22	0 38	22 17	0 18	18 26	3 6	4 2	4 22	14 40		n.a.
T 19	4 5	13 30	2 58	2 30	0 45	15 21	1 16	25 51	2 37	8 24	0 54	2 29	2 18	0 23	0 38	22 17	0 18	18 27	3 6	4 3	4 21	14 42		n.a.
F 20	3 42	15 50	3 48	3 12	0 52	14 58	1 17	25 54	2 36	8 29	0 54	2 32	2 18	0 25	0 38	22 17	0 18	18 27	3 6	4 3	4 20	14 43		n.a.
S 21	3 18	17 30	4 28	3 55	0 58	14 34	1 19	25 56	2 35	8 34	0 54	2 35	2 18	0 26	0 38	22 17	0 18	18 27	3 6	4 4	4 18	14 44		n.a.
S 22	2 54	18 25	4 57	4 36	1 5	14 10	1 20	25 58	2 34	8 39	0 54	2 38	2 18	0 28	0 38	22 17	0 18	18 28	3 5	4 4	4 17	14 45		n.a.
M23	2 30	18 31	5 13	5 18	1 12	13 45	1 22	25 59	2 32	8 43	0 54	2 40	2 18	0 29	0 38	22 17	0 18	18 28	3 5	4 4	4 16	14 46		n.a.
T 24	2 6	17 44	5 16	5 58	1 18	13 20	1 23	26 1	2 31	8 48	0 54	2 43	2 18	0 31	0 38	22 18	0 18	18 28	3 5	4 4	4 15	14 47		n.a.
W25	1 42	16 3	5 3	6 39	1 25	12 55	1 24	26 2	2 30	8 53	0 53	2 46	2 18	0 32	0 38	22 18	0 18	18 29	3 5	4 3	4 13	14 48		n.a.
T 26	1 17	13 31	4 34	7 18	1 31	12 29	1 25	26 3	2 29	8 58	0 53	2 49	2 18	0 34	0 38	22 18	0 18	18 29	3 5	4 2	4 12	14 50		n.a.
F 27	0 53	10 11	3 50	7 58	1 37	12 3	1 26	26 4	2 28	9 3	0 53	2 51	2 18	0 35	0 38	22 18	0 18	18 29	3 5	4 2	4 11	14 51		n.a.
S 28	0 29	6 12	2 50	8 36	1 43	11 37	1 28	26 5	2 27	9 7	0 53	2 54	2 18	0 37	0 38	22 18	0 18	18 30	3 4	4 1	4 10	14 52		n.a.
S 29	0 5	1 45	1 39	9 14	1 49	11 10	1 28	26 5	2 26	9 12	0 53	2 57	2 18	0 38	0 38	22 18	0 18	18 30	3 4	4 1	4 8	14 53		n.a.
M30	0s19	2n53	0n20	9s51	1s55	10n43	1n29	26s 6	2s24	9s17	0n53	3s 0	2n18	0s40	0n38	22s18	0s18	18s30	3n 4	4s 0	4s 7	14s54		n.a.

Julian Day Number = 1552920.5, Delta T = 04h29m34s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'38, Lahiri = -10°19'38 Julian Calendar 1 Sept. 462 BCE == Greg. Calendar 27 Aug. 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

OCTOBER 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 14 7	1♎48'26	21♈10	21♎49	7♍29	26♐41	26♎ 2	12♎52	3♎ 9	21°R30	5♐40	10♎ 0	10♎13	20♏38	n.a.	T 1
W 2	0 18 4	2°48'41	5♉58	23°10	8°44	27°22	26°15	12°59	3°13	21♑29	5°41	10° 0	10°10	20°44	n.a.	W 2
T 3	0 22 0	3°48'57	20°43	24°31	9°59	28° 4	26°28	13° 6	3°16	21°29	5°42	10° 1	10° 7	20°51	n.a.	T 3
F 4	0 25 57	4°49'16	5♊19	25°50	11°13	28°45	26°41	13°13	3°20	21°29	5°44	10° 1	10° 3	20°58	n.a.	F 4
S 5	0 29 53	5°49'37	19°40	27° 8	12°28	29°27	26°54	13°20	3°24	21°29	5°45	10° 2	10° 0	21° 4	n.a.	S 5
S 6	0 33 50	6°50'00	3♋45	28°25	13°43	0♑ 8	27° 7	13°27	3°28	21°29	5°46	10°R 2	9°57	21°11	n.a.	S 6
M 7	0 37 47	7°50'25	17°32	29°40	14°58	0°50	27°20	13°35	3°32	21°28	5°47	10° 2	9°54	21°18	n.a.	M 7
T 8	0 41 43	8°50'52	1♌ 1	0♏54	16°13	1°32	27°33	13°42	3°35	21°28	5°49	10° 2	9°51	21°24	n.a.	T 8
W 9	0 45 40	9°51'22	14°13	2° 5	17°28	2°14	27°46	13°49	3°39	21°28	5°50	10°D 2	9°47	21°31	n.a.	W 9
T 10	0 49 36	10°51'53	27° 9	3°15	18°43	2°55	27°59	13°56	3°43	21°D28	5°52	10° 2	9°44	21°38	n.a.	T 10
F 11	0 53 33	11°52'26	9♍51	4°22	19°58	3°37	28°12	14° 3	3°47	21°28	5°53	10° 2	9°41	21°44	n.a.	F 11
S 12	0 57 29	12°53'01	22°20	5°27	21°13	4°20	28°26	14°10	3°50	21°28	5°54	10° 2	9°38	21°51	n.a.	S 12
S 13	1 1 26	13°53'37	4♎39	6°29	22°28	5° 2	28°39	14°17	3°54	21°29	5°56	10°R 2	9°35	21°58	n.a.	S 13
M14	1 5 22	14°54'15	16°47	7°27	23°44	5°44	28°52	14°24	3°58	21°29	5°57	10° 2	9°32	22° 4	n.a.	M14
T 15	1 9 19	15°54'55	28°48	8°22	24°59	6°26	29° 6	14°31	4° 2	21°29	5°59	10° 2	9°28	22°11	n.a.	T 15
W16	1 13 15	16°55'37	10♏42	9°13	26°14	7° 8	29°19	14°38	4° 5	21°29	6° 0	10° 1	9°25	22°18	n.a.	W16
T 17	1 17 12	17°56'20	22°33	9°58	27°29	7°51	29°32	14°45	4° 9	21°29	6° 2	10° 0	9°22	22°25	n.a.	T 17
F 18	1 21 9	18°57'04	4♐21	10°39	28°44	8°33	29°46	14°52	4°13	21°30	6° 3	9°59	9°19	22°31	n.a.	F 18
S 19	1 25 5	19°57'50	16°12	11°13	29°59	9°16	29°59	14°59	4°16	21°30	6° 5	9°58	9°16	22°38	n.a.	S 19
S 20	1 29 2	20°58'36	28° 7	11°41	1♎15	9°58	0♏13	15° 6	4°20	21°30	6° 6	9°56	9°13	22°45	n.a.	S 20
M21	1 32 58	21°59'25	10♑12	12° 1	2°30	10°41	0°26	15°13	4°24	21°31	6° 8	9°55	9° 9	22°51	n.a.	M21
T 22	1 36 55	23° 0'14	22°31	12°13	3°46	11°24	0°40	15°20	4°27	21°31	6°10	9°D55	9° 6	22°58	n.a.	T 22
W23	1 40 51	24° 1'04	5♒ 8	12°R16	5° 1	12° 6	0°53	15°27	4°31	21°31	6°11	9°55	9° 3	23° 5	n.a.	W23
T 24	1 44 48	25° 1'56	18° 7	12° 9	6°16	12°49	1° 7	15°34	4°35	21°32	6°13	9°56	9° 0	23°11	n.a.	T 24
F 25	1 48 44	26° 2'48	1♓31	11°52	7°32	13°32	1°20	15°41	4°38	21°32	6°15	9°58	8°57	23°18	n.a.	F 25
S 26	1 52 41	27° 3'41	15°23	11°23	8°47	14°15	1°34	15°48	4°42	21°33	6°16	9°59	8°53	23°25	n.a.	S 26
S 27	1 56 38	28° 4'36	29°41	10°44	10° 2	14°57	1°47	15°55	4°45	21°34	6°18	10° 0	8°50	23°31	n.a.	S 27
M28	2 0 34	29° 5'31	14♈24	9°55	11°18	15°40	2° 1	16° 2	4°49	21°34	6°20	10°R 0	8°47	23°38	n.a.	M28
T 29	2 4 31	0♏ 6'28	29°24	8°55	12°33	16°23	2°14	16° 9	4°52	21°35	6°22	9°59	8°44	23°45	n.a.	T 29
W30	2 8 27	1° 7'26	14♉34	7°46	13°49	17° 6	2°28	16°16	4°56	21°36	6°23	9°57	8°41	23°51	n.a.	W30
T 31	2 12 24	2♏ 8'25	29♉44	6♏31	15♎ 4	17♑49	2♏41	16♎23	4♎59	21♑36	6♐25	9♎54	8♎38	23♏58	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	0s44	7n25	1s 2	10s28	2s 1	10n16	1n30	26s 6	2s23	9s22	0n53	3s 2	2n18	0s41	0n38	22s18	0s18	18s31	3n 4	4s 1	4s 6	14s55			n.a.
W 2	1 8	11 30	2 19	11 4	2 6	9 48	1 31	26 5	2 22	9 27	0 53	3 5	2 17	0 43	0 38	22 18	0 18	18 31	3 4	4 1	4 4	14 56			n.a.
T 3	1 32	14 50	3 28	11 39	2 11	9 20	1 32	26 5	2 21	9 31	0 52	3 8	2 17	0 44	0 38	22 18	0 18	18 32	3 3	4 1	4 3	14 57			n.a.
F 4	1 56	17 11	4 21	12 13	2 16	8 52	1 32	26 4	2 20	9 36	0 52	3 11	2 17	0 46	0 38	22 18	0 18	18 32	3 3	4 1	4 2	14 58			n.a.
S 5	2 21	18 23	4 58	12 46	2 20	8 23	1 33	26 3	2 18	9 41	0 52	3 14	2 17	0 47	0 38	22 18	0 18	18 32	3 3	4 1	4 1	15 0			n.a.
S 6	2 45	18 26	5 16	13 18	2 25	7 55	1 33	26 2	2 17	9 46	0 52	3 16	2 17	0 49	0 38	22 18	0 18	18 33	3 3	4 1	3 59	15 1			n.a.
M 7	3 9	17 23	5 15	13 48	2 28	7 26	1 34	26 1	2 16	9 51	0 52	3 19	2 17	0 51	0 38	22 18	0 18	18 33	3 3	4 1	3 58	15 2			n.a.
T 8	3 33	15 22	4 57	14 18	2 32	6 57	1 34	25 59	2 15	9 56	0 52	3 22	2 17	0 52	0 38	22 18	0 18	18 34	3 3	4 1	3 57	15 3			n.a.
W 9	3 57	12 35	4 23	14 46	2 35	6 27	1 34	25 57	2 14	10 1	0 52	3 25	2 17	0 54	0 38	22 18	0 18	18 34	3 2	4 1	3 56	15 4			n.a.
T 10	4 21	9 14	3 37	15 13	2 38	5 58	1 34	25 55	2 13	10 6	0 52	3 28	2 17	0 55	0 38	22 18	0 18	18 34	3 2	4 1	3 54	15 5			n.a.
F 11	4 45	5 30	2 40	15 38	2 40	5 28	1 34	25 53	2 11	10 10	0 51	3 30	2 17	0 57	0 38	22 18	0 18	18 35	3 2	4 1	3 53	15 6			n.a.
S 12	5 9	1 36	1 37	16 2	2 41	4 58	1 34	25 51	2 10	10 15	0 51	3 33	2 17	0 58	0 38	22 18	0 18	18 35	3 2	4 1	3 52	15 7			n.a.
S 13	5 33	2s20	0 30	16 24	2 42	4 28	1 34	25 48	2 9	10 20	0 51	3 36	2 17	1 0	0 38	22 18	0 18	18 36	3 2	4 1	3 51	15 8			n.a.
M14	5 57	6 6	0n37	16 44	2 42	3 58	1 34	25 45	2 8	10 25	0 51	3 39	2 17	1 1	0 38	22 18	0 18	18 36	3 1	4 1	3 49	15 9			n.a.
T 15	6 20	9 36	1 42	17 1	2 42	3 27	1 34	25 42	2 6	10 30	0 51	3 41	2 17	1 3	0 38	22 18	0 18	18 36	3 1	4 1	3 48	15 10			n.a.
W16	6 44	12 40	2 42	17 17	2 41	2 57	1 34	25 38	2 5	10 35	0 51	3 44	2 17	1 4	0 38	22 18	0 18	18 37	3 1	4 1	3 47	15 12			n.a.
T 17	7 8	15 11	3 35	17 30	2 38	2 26	1 33	25 35	2 4	10 40	0 51	3 47	2 17	1 6	0 38	22 18	0 18	18 37	3 1	4 1	3 46	15 13			n.a.
F 18	7 31	17 4	4 18	17 40	2 35	1 55	1 33	25 31	2 3	10 45	0 51	3 50	2 17	1 7	0 38	22 18	0 18	18 38	3 1	4 0	3 44	15 14			n.a.
S 19	7 54	18 13	4 50	17 46	2 31	1 25	1 32	25 27	2 2	10 49	0 51	3 52	2 17	1 9	0 38	22 18	0 18	18 38	3 1	4 0	3 43	15 15			n.a.
S 20	8 17	18 34	5 10	17 50	2 25	0 54	1 32	25 22	2 0	10 54	0 51	3 55	2 17	1 10	0 38	22 18	0 18	18 39	3 0	3 59	3 42	15 16			n.a.
M21	8 40	18 5	5 17	17 50	2 19	0 23	1 31	25 18	1 59	10 59	0 50	3 58	2 17	1 11	0 38	22 18	0 18	18 39	3 0	3 59	3 40	15 17			n.a.
T 22	9 3	16 45	5 9	17 46	2 10	0s 8	1 30	25 13	1 58	11 4	0 50	4 1	2 17	1 13	0 38	22 18	0 18	18 39	3 0	3 59	3 39	15 18			n.a.
W23	9 26	14 36	4 47	17 38	2 1	0 39	1 30	25 8	1 57	11 9	0 50	4 3	2 17	1 14	0 38	22 18	0 18	18 40	3 0	3 59	3 38	15 19			n.a.
T 24	9 49	11 39	4 9	17 25	1 49	1 10	1 29	25 2	1 56	11 14	0 50	4 6	2 17	1 16	0 38	22 18	0 18	18 40	3 0	3 59	3 37	15 20			n.a.
F 25	10 11	8 0	3 17	17 7	1 37	1 41	1 28	24 57	1 54	11 18	0 50	4 9	2 17	1 17	0 38	22 18	0 18	18 41	3 0	4 0	3 35	15 21			n.a.
S 26	10 33	3 48	2 12	16 44	1 22	2 12	1 27	24 51	1 53	11 23	0 50	4 11	2 17	1 19	0 38	22 18	0 18	18 41	3 0	4 0	3 34	15 22			n.a.
S 27	10 56	0n44	0 57	16 17	1 6	2 43	1 26	24 45	1 52	11 28	0 50	4 14	2 17	1 20	0 38	22 17	0 18	18 42	2 59	4 0	3 33	15 23			n.a.
M28	11 18	5 22	0s24	15 44	0 48	3 13	1 25	24 39	1 51	11 33	0 50	4 17	2 17	1 22	0 38	22 17	0 18	18 42	2 59	4 1	3 32	15 24			n.a.
T 29	11 39	9 46	1 45	15 7	0 30	3 44	1 24	24 32	1 50	11 38	0 50	4 19	2 17	1 23	0 38	22 17	0 18	18 43	2 59	4 0	3 30	15 25			n.a.
W30	12 1	13 34	2 59	14 26	0 10	4 15	1 23	24 26	1 48	11 42	0 50	4 22	2 17	1 24	0 38	22 17	0 18	18 43	2 59	3 59	3 29	15 26			n.a.
T 31	12s22	16n26	4s 1	13s42	0n11	4s46	1n21	24s19	1s47	11s47	0n50	4s25	2n17	1s26	0n38	22s17	0s18	18s44	2n59	3s58	3s28	15s27			n.a.

Julian Day Number = 1552950.5, Delta T = 04h29m33s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'34, Lahiri = -10°19'33 Julian Calendar 1 Oct. 462 BCE == Greg. Calendar 26 Sept. 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

NOVEMBER 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 16 20	3♏ 9'25	14♊44	5°R10	16♎19	18♑32	2♏55	16♎30	5♎ 3	21♑37	6♐27	9°R51	8♎34	24♏ 5	n.a.	F 1
S 2	2 20 17	4°10'27	29°27	3♏48	17°35	19°15	3° 8	16°37	5° 6	21°38	6°29	9♎48	8°31	24°11	n.a.	S 2
S 3	2 24 13	5°11'29	13♋46	2°25	18°50	19°58	3°22	16°43	5°10	21°39	6°31	9°46	8°28	24°18	n.a.	S 3
M 4	2 28 10	6°12'34	27°39	1° 7	20° 6	20°41	3°36	16°50	5°13	21°39	6°33	9°44	8°25	24°25	n.a.	M 4
T 5	2 32 7	7°13'39	11♌ 7	29♎54	21°21	21°24	3°49	16°57	5°16	21°40	6°35	9°D44	8°22	24°32	n.a.	T 5
W 6	2 36 3	8°14'45	24°11	28°49	22°37	22° 7	4° 3	17° 4	5°20	21°41	6°36	9°45	8°18	24°38	n.a.	W 6
T 7	2 40 0	9°15'53	6♍55	27°54	23°52	22°51	4°16	17°10	5°23	21°42	6°38	9°46	8°15	24°45	n.a.	T 7
F 8	2 43 56	10°17'02	19°23	27° 9	25° 8	23°34	4°30	17°17	5°26	21°43	6°40	9°48	8°12	24°52	n.a.	F 8
S 9	2 47 53	11°18'12	1♎37	26°36	26°23	24°17	4°43	17°24	5°30	21°44	6°42	9°49	8° 9	24°58	n.a.	S 9
S 10	2 51 49	12°19'22	13°41	26°14	27°39	25° 0	4°57	17°30	5°33	21°45	6°44	9°R50	8° 6	25° 5	n.a.	S 10
M11	2 55 46	13°20'34	25°39	26° 3	28°54	25°43	5°10	17°37	5°36	21°46	6°46	9°48	8° 3	25°12	n.a.	M11
T 12	2 59 42	14°21'46	7♏32	26°D 3	0♏10	26°27	5°24	17°44	5°39	21°47	6°48	9°45	7°59	25°18	n.a.	T 12
W13	3 3 39	15°22'59	19°22	26°12	1°26	27°10	5°37	17°50	5°42	21°49	6°50	9°40	7°56	25°25	n.a.	W13
T 14	3 7 36	16°24'13	1♐12	26°30	2°41	27°53	5°51	17°57	5°45	21°50	6°52	9°34	7°53	25°32	n.a.	T 14
F 15	3 11 32	17°25'27	13° 3	26°57	3°57	28°36	6° 4	18° 3	5°48	21°51	6°54	9°26	7°50	25°38	n.a.	F 15
S 16	3 15 29	18°26'41	24°56	27°31	5°12	29°20	6°18	18°10	5°52	21°52	6°56	9°18	7°47	25°45	n.a.	S 16
S 17	3 19 25	19°27'56	6♑55	28°11	6°28	0♒ 3	6°31	18°16	5°55	21°53	6°58	9°11	7°44	25°52	n.a.	S 17
M18	3 23 22	20°29'11	19° 1	28°57	7°43	0°46	6°45	18°22	5°58	21°55	7° 0	9° 5	7°40	25°58	n.a.	M18
T 19	3 27 18	21°30'27	1♒19	29°49	8°59	1°30	6°58	18°29	6° 0	21°56	7° 2	9° 1	7°37	26° 5	n.a.	T 19
W20	3 31 15	22°31'42	13°51	0♏45	10°14	2°13	7°11	18°35	6° 3	21°57	7° 4	8°59	7°34	26°12	n.a.	W20
T 21	3 35 12	23°32'57	26°42	1°45	11°30	2°56	7°25	18°41	6° 6	21°59	7° 6	8°D58	7°31	26°19	n.a.	T 21
F 22	3 39 8	24°34'13	9♓56	2°48	12°45	3°40	7°38	18°47	6° 9	22° 0	7° 8	8°59	7°28	26°25	n.a.	F 22
S 23	3 43 5	25°35'28	23°35	3°55	14° 1	4°23	7°51	18°53	6°12	22° 2	7°11	9° 1	7°24	26°32	n.a.	S 23
S 24	3 47 1	26°36'43	7♈42	5° 4	15°16	5° 6	8° 4	19° 0	6°15	22° 3	7°13	9°R 1	7°21	26°39	n.a.	S 24
M25	3 50 58	27°37'58	22°16	6°16	16°32	5°50	8°18	19° 6	6°17	22° 4	7°15	9° 1	7°18	26°45	n.a.	M25
T 26	3 54 54	28°39'14	7♉14	7°30	17°47	6°33	8°31	19°12	6°20	22° 6	7°17	8°58	7°15	26°52	n.a.	T 26
W27	3 58 51	29°40'29	22°28	8°45	19° 3	7°16	8°44	19°18	6°23	22° 8	7°19	8°53	7°12	26°59	n.a.	W27
T 28	4 2 47	0♐41'44	7♊49	10° 3	20°19	8° 0	8°57	19°23	6°25	22° 9	7°21	8°45	7° 9	27° 5	n.a.	T 28
F 29	4 6 44	1°42'59	23° 4	11°22	21°34	8°43	9°10	19°29	6°28	22°11	7°23	8°37	7° 5	27°12	n.a.	F 29
S 30	4 10 41	2♐44'14	8♋ 4	12♏42	22♏49	9♒26	9♏23	19♎35	6♎30	22♑12	7♐25	8♎28	7♎ 2	27♏19	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s43	18n 8	4s45	12s55	0n31	5s16	1n20	24s12	1s46	11s52	0n50	4s27	2n17	1s27	0n38	22s17	0s18	18s44	2n59	3s57	3s27	15s28		n.a.
S 2	13 4	18 35	5 10	12 8	0 52	5 47	1 19	24 4	1 45	11 57	0 49	4 30	2 17	1 28	0 38	22 17	0 18	18 44	2 58	3 56	3 25	15 29		n.a.
S 3	13 25	17 49	5 14	11 21	1 11	6 17	1 17	23 57	1 44	12 1	0 49	4 32	2 18	1 30	0 38	22 17	0 18	18 45	2 58	3 55	3 24	15 30		n.a.
M 4	13 46	16 0	5 0	10 37	1 29	6 47	1 16	23 49	1 42	12 6	0 49	4 35	2 18	1 31	0 38	22 17	0 18	18 45	2 58	3 54	3 23	15 32		n.a.
T 5	14 6	13 21	4 29	9 56	1 46	7 17	1 14	23 41	1 41	12 11	0 49	4 38	2 18	1 32	0 38	22 16	0 18	18 46	2 58	3 54	3 21	15 33		n.a.
W 6	14 26	10 6	3 45	9 19	2 1	7 47	1 13	23 33	1 40	12 16	0 49	4 40	2 18	1 34	0 38	22 16	0 18	18 46	2 58	3 55	3 20	15 34		n.a.
T 7	14 46	6 26	2 51	8 48	2 13	8 17	1 11	23 24	1 39	12 20	0 49	4 43	2 18	1 35	0 38	22 16	0 18	18 47	2 58	3 55	3 19	15 35		n.a.
F 8	15 6	2 35	1 50	8 22	2 23	8 46	1 9	23 16	1 38	12 25	0 49	4 45	2 18	1 36	0 38	22 16	0 18	18 47	2 58	3 56	3 18	15 36		n.a.
S 9	15 25	1s20	0 45	8 2	2 32	9 16	1 8	23 7	1 36	12 30	0 49	4 48	2 18	1 38	0 38	22 16	0 18	18 48	2 57	3 56	3 16	15 37		n.a.
S 10	15 44	5 9	0n21	7 49	2 38	9 45	1 6	22 58	1 35	12 34	0 49	4 50	2 18	1 39	0 38	22 16	0 18	18 48	2 57	3 56	3 15	15 38		n.a.
M11	16 3	8 43	1 25	7 41	2 42	10 14	1 4	22 49	1 34	12 39	0 49	4 53	2 18	1 40	0 38	22 15	0 18	18 49	2 57	3 56	3 14	15 39		n.a.
T 12	16 21	11 55	2 26	7 38	2 44	10 42	1 2	22 39	1 33	12 43	0 49	4 55	2 18	1 42	0 38	22 15	0 18	18 49	2 57	3 55	3 13	15 40		n.a.
W13	16 39	14 36	3 19	7 41	2 45	11 11	1 0	22 30	1 32	12 48	0 49	4 58	2 18	1 43	0 38	22 15	0 18	18 49	2 57	3 53	3 11	15 41		n.a.
T 14	16 57	16 41	4 4	7 48	2 45	11 39	0 58	22 20	1 30	12 53	0 49	5 0	2 18	1 44	0 38	22 15	0 18	18 50	2 57	3 50	3 10	15 42		n.a.
F 15	17 15	18 4	4 38	7 59	2 44	12 7	0 56	22 10	1 29	12 57	0 49	5 2	2 18	1 45	0 38	22 15	0 18	18 50	2 57	3 47	3 9	15 43		n.a.
S 16	17 32	18 39	5 0	8 13	2 41	12 34	0 54	21 59	1 28	13 2	0 49	5 5	2 18	1 46	0 38	22 14	0 18	18 51	2 57	3 44	3 7	15 44		n.a.
S 17	17 49	18 25	5 9	8 31	2 37	13 1	0 52	21 49	1 27	13 6	0 49	5 7	2 19	1 48	0 38	22 14	0 18	18 51	2 56	3 41	3 6	15 45		n.a.
M18	18 6	17 21	5 5	8 52	2 33	13 28	0 50	21 38	1 26	13 11	0 49	5 10	2 19	1 49	0 38	22 14	0 18	18 52	2 56	3 39	3 5	15 46		n.a.
T 19	18 22	15 28	4 47	9 14	2 28	13 55	0 48	21 27	1 25	13 15	0 48	5 12	2 19	1 50	0 38	22 14	0 18	18 52	2 56	3 37	3 4	15 47		n.a.
W20	18 38	12 49	4 14	9 39	2 23	14 21	0 46	21 16	1 23	13 20	0 48	5 14	2 19	1 51	0 38	22 14	0 18	18 53	2 56	3 36	3 2	15 48		n.a.
T 21	18 54	9 30	3 29	10 6	2 17	14 47	0 44	21 5	1 22	13 24	0 48	5 16	2 19	1 52	0 38	22 13	0 18	18 53	2 56	3 36	3 1	15 49		n.a.
F 22	19 9	5 37	2 31	10 34	2 10	15 12	0 42	20 54	1 21	13 28	0 48	5 19	2 19	1 53	0 38	22 13	0 18	18 54	2 56	3 36	3 0	15 50		n.a.
S 23	19 24	1 19	1 23	11 3	2 4	15 37	0 39	20 42	1 20	13 33	0 48	5 21	2 19	1 54	0 38	22 13	0 18	18 54	2 56	3 37	2 59	15 51		n.a.
S 24	19 39	3n12	0 7	11 33	1 57	16 2	0 37	20 31	1 19	13 37	0 48	5 23	2 19	1 56	0 38	22 13	0 18	18 55	2 56	3 37	2 57	15 52		n.a.
M25	19 53	7 41	1s11	12 4	1 50	16 26	0 35	20 19	1 18	13 42	0 48	5 25	2 19	1 57	0 38	22 13	0 18	18 55	2 56	3 37	2 56	15 53		n.a.
T 26	20 7	11 48	2 26	12 35	1 42	16 50	0 33	20 7	1 17	13 46	0 48	5 28	2 20	1 58	0 38	22 12	0 18	18 55	2 55	3 36	2 55	15 53		n.a.
W27	20 20	15 13	3 32	13 7	1 35	17 13	0 30	19 54	1 15	13 50	0 48	5 30	2 20	1 59	0 38	22 12	0 18	18 56	2 55	3 34	2 53	15 54		n.a.
T 28	20 34	17 34	4 23	13 38	1 27	17 36	0 28	19 42	1 14	13 54	0 48	5 32	2 20	2 0	0 38	22 12	0 18	18 56	2 55	3 31	2 52	15 55		n.a.
F 29	20 46	18 39	4 55	14 11	1 19	17 59	0 26	19 29	1 13	13 59	0 48	5 34	2 20	2 1	0 38	22 12	0 18	18 57	2 55	3 27	2 51	15 56		n.a.
S 30	20s59	18n24	5s 6	14s43	1n12	18s20	0n23	19s17	1s12	14s 3	0n48	5s36	2n20	2s 2	0n38	22s11	0s18	18s57	2n55	3s24	2s50	15s57		n.a.

Julian Day Number = 1552981.5, Delta T = 04h29m31s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'30, Lahiri = -10°19'29 Julian Calendar 1 Nov. 462 BCE == Greg. Calendar 27 Oct. 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 462 BCE
geocentric

DECEMBER 462 BCE (-461) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 14 37	3♐45'30	22♋40	14♏ 3	24♏ 5	10♒10	9♏36	19♎41	6♎33	22♑14	7♐27	8°R21	6♎59	27♏25	n.a.	S 1
M 2	4 18 34	4°46'45	6♌47	15°26	25°20	10°53	9°49	19°46	6°35	22°16	7°29	8♎15	6°56	27°32	n.a.	M 2
T 3	4 22 30	5°48'01	20°23	16°49	26°36	11°36	10° 2	19°52	6°38	22°17	7°32	8°12	6°53	27°39	n.a.	T 3
W 4	4 26 27	6°49'17	3♍31	18°14	27°51	12°19	10°15	19°58	6°40	22°19	7°34	8°D10	6°50	27°46	n.a.	W 4
T 5	4 30 23	7°50'32	16°14	19°39	29° 7	13° 3	10°28	20° 3	6°42	22°21	7°36	8°11	6°46	27°52	n.a.	T 5
F 6	4 34 20	8°51'48	28°37	21° 5	0♐22	13°46	10°41	20° 9	6°45	22°22	7°38	8°11	6°43	27°59	n.a.	F 6
S 7	4 38 16	9°53'04	10♎45	22°32	1°38	14°29	10°53	20°14	6°47	22°24	7°40	8°R12	6°40	28° 6	n.a.	S 7
S 8	4 42 13	10°54'19	22°42	23°59	2°53	15°12	11° 6	20°19	6°49	22°26	7°42	8°10	6°37	28°12	n.a.	S 8
M 9	4 46 10	11°55'34	4♏33	25°27	4° 9	15°56	11°19	20°25	6°51	22°28	7°44	8° 7	6°34	28°19	n.a.	M 9
T 10	4 50 6	12°56'50	16°22	26°55	5°24	16°39	11°31	20°30	6°53	22°30	7°46	8° 0	6°30	28°26	n.a.	T 10
W11	4 54 3	13°58'04	28°11	28°24	6°40	17°22	11°44	20°35	6°55	22°32	7°48	7°51	6°27	28°32	n.a.	W11
T 12	4 57 59	14°59'19	10♐ 2	29°54	7°55	18° 5	11°56	20°40	6°57	22°33	7°51	7°39	6°24	28°39	n.a.	T 12
F 13	5 1 56	16° 0'32	21°58	1♐24	9°11	18°48	12° 9	20°45	6°59	22°35	7°53	7°26	6°21	28°46	n.a.	F 13
S 14	5 5 52	17° 1'46	3♑59	2°55	10°26	19°32	12°21	20°50	7° 1	22°37	7°55	7°12	6°18	28°52	n.a.	S 14
S 15	5 9 49	18° 2'58	16° 6	4°26	11°41	20°15	12°34	20°55	7° 3	22°39	7°57	6°59	6°15	28°59	n.a.	S 15
M16	5 13 46	19° 4'10	28°21	5°58	12°57	20°58	12°46	20°59	7° 4	22°41	7°59	6°48	6°11	29° 6	n.a.	M16
T 17	5 17 42	20° 5'21	10♒45	7°31	14°12	21°41	12°58	21° 4	7° 6	22°43	8° 1	6°39	6° 8	29°13	n.a.	T 17
W18	5 21 39	21° 6'30	23°21	9° 3	15°28	22°24	13°10	21° 9	7° 8	22°45	8° 3	6°33	6° 5	29°19	n.a.	W18
T 19	5 25 35	22° 7'39	6♓12	10°37	16°43	23° 7	13°22	21°13	7°10	22°47	8° 5	6°30	6° 2	29°26	n.a.	T 19
F 20	5 29 32	23° 8'46	19°20	12°11	17°58	23°50	13°34	21°18	7°11	22°49	8° 7	6°D29	5°59	29°33	n.a.	F 20
S 21	5 33 28	24° 9'53	2♈49	13°45	19°14	24°33	13°46	21°22	7°13	22°51	8° 9	6°R29	5°56	29°39	n.a.	S 21
S 22	5 37 25	25°10'58	16°41	15°20	20°29	25°16	13°58	21°27	7°14	22°53	8°11	6°29	5°52	29°46	n.a.	S 22
M23	5 41 21	26°12'02	0♉58	16°56	21°44	25°59	14°10	21°31	7°16	22°55	8°13	6°27	5°49	29°53	n.a.	M23
T 24	5 45 18	27°13'05	15°38	18°32	23° 0	26°42	14°21	21°35	7°17	22°57	8°15	6°22	5°46	29°59	n.a.	T 24
W25	5 49 15	28°14'06	0♊37	20° 9	24°15	27°25	14°33	21°39	7°18	23° 0	8°17	6°15	5°43	0♐ 6	n.a.	W25
T 26	5 53 11	29°15'07	15°47	21°47	25°30	28° 8	14°45	21°43	7°19	23° 2	8°19	6° 5	5°40	0°13	n.a.	T 26
F 27	5 57 8	0♑16'06	0♋58	23°25	26°45	28°51	14°56	21°47	7°21	23° 4	8°21	5°54	5°36	0°20	n.a.	F 27
S 28	6 1 4	1°17'04	16° 0	25° 4	28° 1	29°34	15° 7	21°51	7°22	23° 6	8°23	5°42	5°33	0°26	n.a.	S 28
S 29	6 5 1	2°18'01	0♌42	26°43	29°16	0♓17	15°19	21°55	7°23	23° 8	8°25	5°31	5°30	0°33	n.a.	S 29
M30	6 8 57	3°18'57	14°57	28°24	0♑31	0°59	15°30	21°58	7°24	23°10	8°27	5°22	5°27	0°40	n.a.	M30
T 31	6 12 54	4♑19'52	28♌43	0♑ 5	1♑46	1♓42	15♏41	22♎ 2	7♎25	23♑12	8♐29	5♎16	5♎24	0♐46	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	21s10	16n56	4s57	15s15	1n 4	18s42	0n21	19s 4	1s11	14s 7	0n48	5s38	2n20	2s 3	0n38	22s11	0s18	18s58	2n55	3s21	2s48	15s58			n.a.
M 2	21 22	14 28	4 29	15 47	0 56	19 3	0 19	18 51	1 10	14 11	0 48	5 40	2 20	2 4	0 38	22 11	0 18	18 58	2 55	3 19	2 47	15 59			n.a.
T 3	21 33	11 17	3 47	16 18	0 48	19 23	0 16	18 38	1 9	14 15	0 48	5 42	2 20	2 5	0 39	22 10	0 18	18 59	2 55	3 17	2 46	16 0			n.a.
W 4	21 44	7 38	2 55	16 50	0 41	19 43	0 14	18 24	1 8	14 19	0 48	5 44	2 21	2 5	0 39	22 10	0 18	18 59	2 55	3 17	2 45	16 1			n.a.
T 5	21 54	3 44	1 55	17 21	0 33	20 2	0 11	18 11	1 7	14 24	0 48	5 46	2 21	2 6	0 39	22 10	0 18	18 59	2 54	3 17	2 43	16 2			n.a.
F 6	22 4	0s13	0 51	17 51	0 26	20 21	0 9	17 57	1 5	14 28	0 48	5 48	2 21	2 7	0 39	22 10	0 18	19 0	2 54	3 17	2 42	16 3			n.a.
S 7	22 13	4 6	0n14	18 21	0 18	20 39	0 7	17 43	1 4	14 32	0 48	5 50	2 21	2 8	0 39	22 9	0 18	19 0	2 54	3 17	2 41	16 4			n.a.
S 8	22 22	7 45	1 17	18 50	0 11	20 56	0 4	17 29	1 3	14 36	0 48	5 52	2 21	2 9	0 39	22 9	0 18	19 1	2 54	3 17	2 40	16 5			n.a.
M 9	22 31	11 4	2 16	19 19	0 3	21 13	0 2	17 15	1 2	14 40	0 48	5 54	2 21	2 10	0 39	22 9	0 18	19 1	2 54	3 16	2 38	16 6			n.a.
T 10	22 39	13 56	3 9	19 47	0s 4	21 29	0s 1	17 1	1 1	14 44	0 48	5 55	2 22	2 11	0 39	22 8	0 18	19 2	2 54	3 13	2 37	16 7			n.a.
W11	22 46	16 13	3 53	20 15	0 11	21 45	0 3	16 47	1 0	14 47	0 48	5 57	2 22	2 11	0 39	22 8	0 18	19 2	2 54	3 9	2 36	16 8			n.a.
T 12	22 53	17 50	4 28	20 41	0 18	22 0	0 5	16 32	0 59	14 51	0 48	5 59	2 22	2 12	0 39	22 8	0 18	19 2	2 54	3 5	2 34	16 9			n.a.
F 13	23 0	18 40	4 51	21 7	0 25	22 14	0 8	16 18	0 58	14 55	0 48	6 1	2 22	2 13	0 39	22 7	0 18	19 3	2 54	2 59	2 33	16 10			n.a.
S 14	23 6	18 41	5 1	21 32	0 32	22 28	0 10	16 3	0 57	14 59	0 48	6 2	2 22	2 14	0 39	22 7	0 18	19 3	2 54	2 54	2 32	16 11			n.a.
S 15	23 12	17 50	4 58	21 56	0 38	22 41	0 13	15 48	0 56	15 3	0 48	6 4	2 22	2 14	0 39	22 7	0 18	19 4	2 54	2 48	2 31	16 11			n.a.
M16	23 17	16 11	4 41	22 19	0 45	22 53	0 15	15 33	0 55	15 7	0 48	6 6	2 23	2 15	0 39	22 7	0 18	19 4	2 53	2 44	2 29	16 12			n.a.
T 17	23 22	13 45	4 10	22 41	0 51	23 5	0 17	15 18	0 54	15 10	0 48	6 7	2 23	2 16	0 39	22 6	0 18	19 5	2 53	2 40	2 28	16 13			n.a.
W18	23 27	10 39	3 27	23 2	0 57	23 16	0 20	15 3	0 53	15 14	0 48	6 9	2 23	2 16	0 39	22 6	0 18	19 5	2 53	2 38	2 27	16 14			n.a.
T 19	23 31	6 59	2 33	23 21	1 3	23 26	0 22	14 48	0 52	15 18	0 48	6 11	2 23	2 17	0 39	22 6	0 18	19 5	2 53	2 37	2 26	16 15			n.a.
F 20	23 34	2 54	1 30	23 40	1 8	23 36	0 24	14 32	0 51	15 21	0 48	6 12	2 23	2 18	0 39	22 5	0 18	19 6	2 53	2 36	2 24	16 16			n.a.
S 21	23 37	1n26	0 19	23 58	1 14	23 45	0 26	14 17	0 49	15 25	0 48	6 14	2 23	2 18	0 39	22 5	0 18	19 6	2 53	2 36	2 23	16 17			n.a.
S 22	23 40	5 49	0s54	24 14	1 19	23 53	0 29	14 1	0 48	15 29	0 48	6 15	2 24	2 19	0 39	22 5	0 18	19 7	2 53	2 36	2 22	16 18			n.a.
M23	23 42	10 0	2 6	24 29	1 24	24 0	0 31	13 46	0 47	15 32	0 48	6 16	2 24	2 19	0 39	22 4	0 18	19 7	2 53	2 35	2 20	16 19			n.a.
T 24	23 43	13 41	3 11	24 43	1 28	24 7	0 33	13 30	0 46	15 36	0 48	6 18	2 24	2 20	0 39	22 4	0 18	19 7	2 53	2 34	2 19	16 20			n.a.
W25	23 44	16 33	4 5	24 55	1 33	24 13	0 35	13 14	0 45	15 39	0 48	6 19	2 24	2 20	0 39	22 3	0 18	19 8	2 53	2 31	2 18	16 20			n.a.
T 26	23 45	18 18	4 42	25 6	1 37	24 18	0 37	12 58	0 44	15 42	0 48	6 21	2 24	2 21	0 39	22 3	0 18	19 8	2 53	2 27	2 17	16 21			n.a.
F 27	23 45	18 45	4 59	25 16	1 41	24 22	0 40	12 42	0 43	15 46	0 48	6 22	2 25	2 21	0 39	22 3	0 18	19 8	2 53	2 22	2 15	16 22			n.a.
S 28	23 45	17 53	4 56	25 24	1 44	24 26	0 42	12 26	0 42	15 49	0 48	6 23	2 25	2 22	0 39	22 2	0 18	19 9	2 53	2 18	2 14	16 23			n.a.
S 29	23 44	15 50	4 32	25 30	1 48	24 28	0 44	12 10	0 41	15 53	0 48	6 24	2 25	2 22	0 39	22 2	0 18	19 9	2 53	2 13	2 13	16 24			n.a.
M30	23 42	12 51	3 52	25 35	1 51	24 30	0 46	11 53	0 40	15 56	0 48	6 26	2 25	2 22	0 39	22 2	0 18	19 10	2 53	2 10	2 11	16 25			n.a.
T 31	23s41	9n16	3s 0	25s38	1s53	24s32	0s48	11s37	0s39	15s59	0n48	6s27	2n25	2s23	0n39	22s 1	0s18	19s10	2n52	2s 7	2s10	16s26			n.a.

Julian Day Number = 1553011.5, Delta T = 04h29m30s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'26, Lahiri = -10°19'25 Julian Calendar 1 Dec. 462 BCE == Greg. Calendar 26 Nov. 462 BCE

The year -461 astronomical counting style corresponds to year 462 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

JANUARY 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 16 50	5♉20'46	11♍59	1♉46	3♉ 2	2♓25	15♏52	22♎ 6	7♎26	23♉15	8♐31	5°R13	5♎21	0♐53	n.a.	W 1
T 2	6 20 47	6°21'39	24°48	3°28	4°17	3° 8	16° 3	22° 9	7°27	23°17	8°33	5♎12	5°17	1° 0	n.a.	T 2
F 3	6 24 44	7°22'31	7♎14	5°12	5°32	3°50	16°14	22°12	7°28	23°19	8°35	5°11	5°14	1° 6	n.a.	F 3
S 4	6 28 40	8°23'22	19°23	6°55	6°47	4°33	16°25	22°16	7°28	23°21	8°37	5°11	5°11	1°13	n.a.	S 4
S 5	6 32 37	9°24'11	1♏20	8°40	8° 2	5°16	16°35	22°19	7°29	23°23	8°39	5°10	5° 8	1°20	n.a.	S 5
M 6	6 36 33	10°25'00	13°10	10°25	9°18	5°58	16°46	22°22	7°30	23°26	8°41	5° 6	5° 5	1°27	n.a.	M 6
T 7	6 40 30	11°25'47	24°58	12°11	10°33	6°41	16°57	22°25	7°30	23°28	8°42	4°59	5° 2	1°33	n.a.	T 7
W 8	6 44 26	12°26'34	6♐48	13°58	11°48	7°24	17° 7	22°28	7°31	23°30	8°44	4°50	4°58	1°40	n.a.	W 8
T 9	6 48 23	13°27'18	18°43	15°46	13° 3	8° 6	17°17	22°31	7°31	23°32	8°46	4°38	4°55	1°47	n.a.	T 9
F 10	6 52 19	14°28'02	0♑45	17°34	14°18	8°49	17°27	22°33	7°32	23°35	8°48	4°24	4°52	1°53	n.a.	F 10
S 11	6 56 16	15°28'44	12°56	19°23	15°33	9°31	17°38	22°36	7°32	23°37	8°50	4° 9	4°49	2° 0	n.a.	S 11
S 12	7 0 13	16°29'24	25°16	21°12	16°48	10°14	17°48	22°39	7°33	23°39	8°51	3°55	4°46	2° 7	n.a.	S 12
M13	7 4 9	17°30'03	7♒46	23° 2	18° 3	10°56	17°57	22°41	7°33	23°41	8°53	3°43	4°42	2°13	n.a.	M13
T 14	7 8 6	18°30'40	20°25	24°53	19°18	11°39	18° 7	22°43	7°33	23°44	8°55	3°34	4°39	2°20	n.a.	T 14
W15	7 12 2	19°31'15	3♓16	26°44	20°34	12°21	18°17	22°46	7°33	23°46	8°57	3°27	4°36	2°27	n.a.	W15
T 16	7 15 59	20°31'48	16°17	28°35	21°49	13° 3	18°26	22°48	7°33	23°48	8°58	3°24	4°33	2°34	n.a.	T 16
F 17	7 19 55	21°32'19	29°32	0♒26	23° 4	13°46	18°36	22°50	7°R33	23°50	9° 0	3°D22	4°30	2°40	n.a.	F 17
S 18	7 23 52	22°32'49	13♈ 2	2°17	24°19	14°28	18°45	22°52	7°33	23°53	9° 2	3°23	4°27	2°47	n.a.	S 18
S 19	7 27 48	23°33'16	26°48	4° 7	25°34	15°10	18°54	22°54	7°33	23°55	9° 3	3°R23	4°23	2°54	n.a.	S 19
M20	7 31 45	24°33'41	10♉52	5°57	26°49	15°52	19° 4	22°55	7°33	23°57	9° 5	3°22	4°20	3° 0	n.a.	M20
T 21	7 35 42	25°34'04	25°13	7°46	28° 3	16°35	19°13	22°57	7°33	24° 0	9° 7	3°18	4°17	3° 7	n.a.	T 21
W22	7 39 38	26°34'25	9♊49	9°34	29°18	17°17	19°21	22°59	7°33	24° 2	9° 8	3°13	4°14	3°14	n.a.	W22
T 23	7 43 35	27°34'44	24°35	11°21	0♒33	17°59	19°30	23° 0	7°33	24° 4	9°10	3° 5	4°11	3°20	n.a.	T 23
F 24	7 47 31	28°35'01	9♋24	13° 5	1°48	18°41	19°39	23° 1	7°32	24° 6	9°11	2°55	4° 8	3°27	n.a.	F 24
S 25	7 51 28	29°35'16	24° 7	14°47	3° 3	19°23	19°47	23° 3	7°32	24° 9	9°13	2°44	4° 4	3°34	n.a.	S 25
S 26	7 55 24	0♒35'29	8♌37	16°25	4°18	20° 5	19°56	23° 4	7°31	24°11	9°14	2°35	4° 1	3°41	n.a.	S 26
M27	7 59 21	1°35'40	22°47	18° 1	5°33	20°47	20° 4	23° 5	7°31	24°13	9°16	2°27	3°58	3°47	n.a.	M27
T 28	8 3 17	2°35'49	6♍31	19°32	6°48	21°29	20°12	23° 6	7°30	24°15	9°17	2°22	3°55	3°54	n.a.	T 28
W29	8 7 14	3°35'56	19°50	20°58	8° 2	22°11	20°20	23° 7	7°30	24°18	9°18	2°19	3°52	4° 1	n.a.	W29
T 30	8 11 11	4°36'02	2♎43	22°19	9°17	22°53	20°28	23° 8	7°29	24°20	9°20	2°D18	3°48	4° 7	n.a.	T 30
F 31	8 15 7	5♒36'06	15♎14	23♒35	10♒32	23♓35	20♏35	23♎ 8	7♎28	24♉22	9♐21	2♎19	3♎45	4♐14	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23s38	5n19	1s59	25s40	1s56	24s32	0s50	11s21	0s38	16s 2	0n48	6s28	2n26	2s23	0n39	22s 1	0s18	19s10	2n52	2s 6	2s 9	16s27			n.a.
T 2	23 36	1 15	0 55	25 40	1 57	24 32	0 51	11 4	0 38	16 6	0 48	6 29	2 26	2 23	0 39	22 1	0 18	19 11	2 52	2 5	2 8	16 28			n.a.
F 3	23 32	2s44	0n11	25 38	1 59	24 31	0 53	10 48	0 37	16 9	0 48	6 30	2 26	2 24	0 39	22 0	0 18	19 11	2 52	2 5	2 6	16 28			n.a.
S 4	23 29	6 32	1 14	25 34	2 0	24 29	0 55	10 31	0 36	16 12	0 48	6 31	2 26	2 24	0 39	22 0	0 18	19 11	2 52	2 5	2 5	16 29			n.a.
S 5	23 25	10 0	2 14	25 28	2 1	24 27	0 57	10 14	0 35	16 15	0 48	6 32	2 26	2 24	0 39	22 0	0 18	19 12	2 52	2 5	2 4	16 30			n.a.
M 6	23 20	13 2	3 6	25 21	2 1	24 24	0 59	9 57	0 34	16 18	0 48	6 33	2 27	2 24	0 39	21 59	0 18	19 12	2 52	2 3	2 3	16 31			n.a.
T 7	23 15	15 31	3 51	25 11	2 1	24 20	1 0	9 41	0 33	16 21	0 48	6 34	2 27	2 25	0 40	21 59	0 18	19 12	2 52	2 0	2 1	16 32			n.a.
W 8	23 9	17 22	4 25	25 0	2 0	24 15	1 2	9 24	0 32	16 24	0 48	6 35	2 27	2 25	0 40	21 58	0 18	19 13	2 52	1 57	2 0	16 33			n.a.
T 9	23 3	18 28	4 49	24 47	1 59	24 9	1 4	9 7	0 31	16 27	0 48	6 36	2 27	2 25	0 40	21 58	0 18	19 13	2 52	1 52	1 59	16 34			n.a.
F 10	22 57	18 45	4 59	24 31	1 58	24 3	1 5	8 50	0 30	16 30	0 48	6 36	2 28	2 25	0 40	21 58	0 18	19 13	2 52	1 46	1 57	16 34			n.a.
S 11	22 50	18 11	4 57	24 14	1 56	23 56	1 7	8 33	0 29	16 32	0 48	6 37	2 28	2 25	0 40	21 57	0 18	19 14	2 52	1 40	1 56	16 35			n.a.
S 12	22 43	16 46	4 40	23 55	1 53	23 48	1 8	8 16	0 28	16 35	0 48	6 38	2 28	2 25	0 40	21 57	0 18	19 14	2 52	1 35	1 55	16 36			n.a.
M13	22 35	14 33	4 10	23 33	1 50	23 40	1 10	7 59	0 27	16 38	0 48	6 39	2 28	2 26	0 40	21 56	0 18	19 14	2 52	1 30	1 54	16 37			n.a.
T 14	22 27	11 36	3 26	23 10	1 46	23 30	1 11	7 41	0 26	16 41	0 48	6 39	2 28	2 26	0 40	21 56	0 18	19 15	2 52	1 26	1 52	16 38			n.a.
W15	22 18	8 5	2 32	22 44	1 41	23 20	1 12	7 24	0 25	16 43	0 48	6 40	2 29	2 26	0 40	21 56	0 18	19 15	2 52	1 23	1 51	16 39			n.a.
T 16	22 9	4 6	1 29	22 17	1 36	23 10	1 13	7 7	0 25	16 46	0 48	6 41	2 29	2 26	0 40	21 55	0 18	19 15	2 52	1 22	1 50	16 40			n.a.
F 17	22 0	0n 7	0 20	21 47	1 30	22 58	1 15	6 50	0 24	16 49	0 48	6 41	2 29	2 26	0 40	21 55	0 18	19 15	2 52	1 22	1 49	16 40			n.a.
S 18	21 50	4 26	0s51	21 16	1 24	22 46	1 16	6 32	0 23	16 51	0 48	6 42	2 29	2 26	0 40	21 55	0 18	19 16	2 52	1 22	1 47	16 41			n.a.
S 19	21 40	8 35	2 1	20 43	1 16	22 34	1 17	6 15	0 22	16 54	0 48	6 42	2 30	2 26	0 40	21 54	0 18	19 16	2 52	1 22	1 46	16 42			n.a.
M20	21 29	12 21	3 5	20 8	1 8	22 20	1 18	5 58	0 21	16 56	0 48	6 43	2 30	2 25	0 40	21 54	0 18	19 16	2 52	1 21	1 45	16 43			n.a.
T 21	21 18	15 27	3 59	19 31	1 0	22 6	1 19	5 40	0 20	16 59	0 48	6 43	2 30	2 25	0 40	21 53	0 18	19 17	2 52	1 20	1 43	16 44			n.a.
W22	21 7	17 37	4 38	18 54	0 50	21 52	1 20	5 23	0 19	17 1	0 48	6 43	2 30	2 25	0 40	21 53	0 18	19 17	2 51	1 18	1 42	16 44			n.a.
T 23	20 55	18 39	5 0	18 15	0 40	21 36	1 21	5 5	0 18	17 3	0 48	6 44	2 30	2 25	0 40	21 53	0 18	19 17	2 51	1 14	1 41	16 45			n.a.
F 24	20 43	18 24	5 1	17 34	0 29	21 20	1 21	4 48	0 18	17 6	0 48	6 44	2 31	2 25	0 40	21 52	0 18	19 17	2 51	1 10	1 40	16 46			n.a.
S 25	20 30	16 56	4 42	16 54	0 18	21 4	1 22	4 31	0 17	17 8	0 48	6 44	2 31	2 25	0 40	21 52	0 18	19 18	2 51	1 6	1 38	16 47			n.a.
S 26	20 17	14 23	4 6	16 12	0 6	20 46	1 23	4 13	0 16	17 10	0 48	6 44	2 31	2 25	0 40	21 51	0 18	19 18	2 51	1 2	1 37	16 48			n.a.
M27	20 4	11 2	3 15	15 31	0n 7	20 28	1 23	3 56	0 15	17 12	0 49	6 45	2 31	2 24	0 40	21 51	0 18	19 18	2 51	0 59	1 36	16 49			n.a.
T 28	19 50	7 10	2 13	14 50	0 21	20 10	1 24	3 38	0 14	17 15	0 49	6 45	2 32	2 24	0 40	21 51	0 18	19 18	2 51	0 57	1 34	16 49			n.a.
W29	19 36	3 4	1 6	14 9	0 34	19 51	1 24	3 21	0 13	17 17	0 49	6 45	2 32	2 24	0 40	21 50	0 18	19 19	2 51	0 56	1 33	16 50			n.a.
T 30	19 22	1s 4	0n 2	13 29	0 49	19 31	1 25	3 3	0 13	17 19	0 49	6 45	2 32	2 24	0 40	21 50	0 19	19 19	2 51	0 56	1 32	16 51			n.a.
F 31	19s 7	5s 1	1n 9	12s50	1n 3	19s11	1s25	2s46	0s12	17s21	0n49	6s45	2n32	2s23	0n40	21s49	0s19	19s19	2n51	0s56	1s31	16s52			n.a.

Julian Day Number = 1553042.5, Delta T = 04h29m29s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'21, Lahiri = -10°19'21 Julian Calendar 1 Jan. 461 BCE == Greg. Calendar 27 Dec. 462 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

FEBRUARY 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 19 4	6♒36'08	27♎27	24♒43	11♒47	24♓17	20♏43	23♎ 9	7°R28	24♑24	9♐23	2♎20	3♎42	4♐21	n.a.	S 1
S 2	8 23 0	7°36'08	9♏28	25°45	13° 2	24°58	20°50	23° 9	7♎27	24°27	9°24	2°R20	3°39	4°28	n.a.	S 2
M 3	8 26 57	8°36'07	21°20	26°40	14°16	25°40	20°58	23°10	7°26	24°29	9°25	2°19	3°36	4°34	n.a.	M 3
T 4	8 30 53	9°36'04	3♐10	27°26	15°31	26°22	21° 5	23°10	7°25	24°31	9°26	2°16	3°33	4°41	n.a.	T 4
W 5	8 34 50	10°35'59	15° 3	28° 4	16°46	27° 4	21°12	23°10	7°24	24°33	9°28	2°11	3°29	4°48	n.a.	W 5
T 6	8 38 46	11°35'52	27° 1	28°34	18° 0	27°45	21°19	23°R10	7°23	24°36	9°29	2° 3	3°26	4°54	n.a.	T 6
F 7	8 42 43	12°35'44	9♑ 9	28°55	19°15	28°27	21°25	23°10	7°22	24°38	9°30	1°55	3°23	5° 1	n.a.	F 7
S 8	8 46 40	13°35'33	21°29	29° 7	20°30	29° 8	21°32	23°10	7°21	24°40	9°31	1°45	3°20	5° 8	n.a.	S 8
S 9	8 50 36	14°35'21	4♒ 2	29°R11	21°44	29°50	21°38	23°10	7°20	24°42	9°32	1°36	3°17	5°14	n.a.	S 9
M10	8 54 33	15°35'06	16°49	29° 5	22°59	0♈32	21°44	23° 9	7°19	24°44	9°33	1°28	3°13	5°21	n.a.	M10
T 11	8 58 29	16°34'49	29°48	28°52	24°14	1°13	21°51	23° 9	7°17	24°46	9°34	1°22	3°10	5°28	n.a.	T 11
W12	9 2 26	17°34'31	13♓ 0	28°30	25°28	1°55	21°56	23° 8	7°16	24°49	9°36	1°19	3° 7	5°35	n.a.	W12
T 13	9 6 22	18°34'09	26°24	28° 1	26°43	2°36	22° 2	23° 8	7°15	24°51	9°37	1°D17	3° 4	5°41	n.a.	T 13
F 14	9 10 19	19°33'46	9♈58	27°26	27°57	3°17	22° 8	23° 7	7°13	24°53	9°38	1°17	3° 1	5°48	n.a.	F 14
S 15	9 14 15	20°33'20	23°42	26°45	29°12	3°59	22°13	23° 6	7°12	24°55	9°38	1°19	2°58	5°55	n.a.	S 15
S 16	9 18 12	21°32'51	7♉36	25°59	0♓26	4°40	22°19	23° 5	7°10	24°57	9°39	1°20	2°54	6° 1	n.a.	S 16
M17	9 22 8	22°32'21	21°39	25° 9	1°41	5°21	22°24	23° 4	7° 9	24°59	9°40	1°R21	2°51	6° 8	n.a.	M17
T 18	9 26 5	23°31'48	5♊51	24°17	2°55	6° 3	22°29	23° 3	7° 7	25° 1	9°41	1°20	2°48	6°15	n.a.	T 18
W19	9 30 2	24°31'12	20° 8	23°23	4°10	6°44	22°33	23° 2	7° 6	25° 3	9°42	1°18	2°45	6°22	n.a.	W19
T 20	9 33 58	25°30'34	4♋30	22°29	5°24	7°25	22°38	23° 1	7° 4	25° 5	9°43	1°14	2°42	6°28	n.a.	T 20
F 21	9 37 55	26°29'53	18°50	21°36	6°38	8° 6	22°43	22°59	7° 2	25° 7	9°44	1° 9	2°39	6°35	n.a.	F 21
S 22	9 41 51	27°29'11	3♌ 5	20°44	7°53	8°47	22°47	22°58	7° 1	25° 9	9°44	1° 4	2°35	6°42	n.a.	S 22
S 23	9 45 48	28°28'25	17° 9	19°56	9° 7	9°28	22°51	22°56	6°59	25°11	9°45	0°59	2°32	6°48	n.a.	S 23
M24	9 49 44	29°27'38	0♍58	19°11	10°21	10° 9	22°55	22°54	6°57	25°13	9°46	0°55	2°29	6°55	n.a.	M24
T 25	9 53 41	0♓26'48	14°29	18°30	11°36	10°50	22°59	22°53	6°55	25°15	9°46	0°52	2°26	7° 2	n.a.	T 25
W26	9 57 37	1°25'57	27°39	17°54	12°50	11°31	23° 2	22°51	6°53	25°17	9°47	0°D51	2°23	7° 9	n.a.	W26
T 27	10 1 34	2°25'03	10♎29	17°23	14° 4	12°12	23° 6	22°49	6°51	25°19	9°48	0°51	2°19	7°15	n.a.	T 27
F 28	10 5 31	3°24'07	23° 0	16°57	15°18	12°53	23° 9	22°47	6°50	25°21	9°48	0°53	2°16	7°22	n.a.	F 28
S 29	10 9 27	4♓23'10	5♏15	16♒37	16♓32	13♈34	23♏12	22♎45	6♎48	25♑23	9♐49	0♎54	2♎13	7♐29	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s52	8s40	2n11	12s13	1n18	18s51	1s26	2s28	0s11	17s23	0n49	6s45	2n33	2s23	0n40	21s49	0s19	19s19	2n51	0s56	1s29	16s53		n.a.
S 2	18 36	11 54	3 6	11 39	1 33	18 29	1 26	2 11	0 10	17 25	0 49	6 45	2 33	2 23	0 40	21 49	0 19	19 20	2 51	0 56	1 28	16 53		n.a.
M 3	18 21	14 36	3 52	11 6	1 48	18 8	1 26	1 53	0 9	17 27	0 49	6 45	2 33	2 22	0 40	21 48	0 19	19 20	2 51	0 56	1 27	16 54		n.a.
T 4	18 5	16 40	4 28	10 36	2 2	17 46	1 26	1 36	0 8	17 29	0 49	6 45	2 33	2 22	0 40	21 48	0 19	19 20	2 51	0 55	1 26	16 55		n.a.
W 5	17 48	18 2	4 53	10 10	2 17	17 23	1 26	1 18	0 8	17 30	0 49	6 45	2 33	2 21	0 40	21 48	0 19	19 20	2 51	0 53	1 24	16 56		n.a.
T 6	17 32	18 38	5 5	9 46	2 31	17 0	1 26	1 1	0 7	17 32	0 49	6 44	2 34	2 21	0 40	21 47	0 19	19 20	2 51	0 50	1 23	16 56		n.a.
F 7	17 15	18 22	5 4	9 27	2 44	16 36	1 26	0 43	0 6	17 34	0 49	6 44	2 34	2 21	0 40	21 47	0 19	19 21	2 51	0 46	1 22	16 57		n.a.
S 8	16 57	17 15	4 49	9 11	2 56	16 12	1 26	0 26	0 5	17 35	0 49	6 44	2 34	2 20	0 40	21 46	0 19	19 21	2 51	0 42	1 20	16 58		n.a.
S 9	16 40	15 18	4 19	8 59	3 8	15 47	1 26	0 8	0 5	17 37	0 49	6 44	2 34	2 20	0 40	21 46	0 19	19 21	2 51	0 39	1 19	16 59		n.a.
M10	16 22	12 33	3 37	8 51	3 18	15 22	1 25	0n 9	0 4	17 39	0 49	6 43	2 35	2 19	0 41	21 46	0 19	19 21	2 51	0 36	1 18	17 0		n.a.
T 11	16 4	9 10	2 42	8 47	3 27	14 57	1 25	0 27	0 3	17 40	0 49	6 43	2 35	2 19	0 41	21 45	0 19	19 21	2 51	0 33	1 17	17 0		n.a.
W12	15 46	5 16	1 37	8 48	3 34	14 31	1 25	0 44	0 2	17 42	0 49	6 43	2 35	2 18	0 41	21 45	0 19	19 21	2 51	0 32	1 15	17 1		n.a.
T 13	15 27	1 3	0 26	8 52	3 40	14 5	1 24	1 1	0 2	17 43	0 49	6 42	2 35	2 17	0 41	21 45	0 19	19 22	2 51	0 31	1 14	17 2		n.a.
F 14	15 9	3n17	0s47	9 1	3 44	13 39	1 24	1 19	0 1	17 45	0 49	6 42	2 36	2 17	0 41	21 44	0 19	19 22	2 51	0 31	1 13	17 3		n.a.
S 15	14 49	7 29	1 59	9 13	3 47	13 12	1 23	1 36	0 0	17 46	0 49	6 41	2 36	2 16	0 41	21 44	0 19	19 22	2 51	0 32	1 11	17 3		n.a.
S 16	14 30	11 19	3 4	9 28	3 47	12 45	1 22	1 53	0n 1	17 47	0 49	6 41	2 36	2 16	0 41	21 43	0 19	19 22	2 51	0 32	1 10	17 4		n.a.
M17	14 11	14 33	4 0	9 46	3 45	12 17	1 22	2 11	0 1	17 49	0 49	6 40	2 36	2 15	0 41	21 43	0 19	19 22	2 51	0 32	1 9	17 5		n.a.
T 18	13 51	16 57	4 41	10 7	3 42	11 49	1 21	2 28	0 2	17 50	0 49	6 39	2 36	2 14	0 41	21 43	0 19	19 22	2 51	0 32	1 8	17 6		n.a.
W19	13 31	18 18	5 5	10 30	3 36	11 21	1 20	2 45	0 3	17 51	0 50	6 39	2 37	2 14	0 41	21 42	0 19	19 23	2 51	0 31	1 6	17 6		n.a.
T 20	13 11	18 30	5 10	10 54	3 29	10 53	1 19	3 2	0 4	17 52	0 50	6 38	2 37	2 13	0 41	21 42	0 19	19 23	2 51	0 30	1 5	17 7		n.a.
F 21	12 51	17 31	4 56	11 20	3 20	10 24	1 18	3 19	0 4	17 53	0 50	6 37	2 37	2 12	0 41	21 42	0 19	19 23	2 51	0 28	1 4	17 8		n.a.
S 22	12 30	15 26	4 24	11 46	3 10	9 55	1 17	3 36	0 5	17 54	0 50	6 37	2 37	2 12	0 41	21 41	0 19	19 23	2 51	0 26	1 3	17 9		n.a.
S 23	12 9	12 28	3 36	12 12	2 59	9 26	1 16	3 53	0 6	17 55	0 50	6 36	2 37	2 11	0 41	21 41	0 19	19 23	2 51	0 24	1 1	17 9		n.a.
M24	11 48	8 50	2 36	12 38	2 46	8 56	1 15	4 10	0 6	17 56	0 50	6 35	2 38	2 10	0 41	21 41	0 19	19 23	2 51	0 22	1 0	17 10		n.a.
T 25	11 27	4 50	1 28	13 4	2 33	8 26	1 14	4 27	0 7	17 57	0 50	6 34	2 38	2 9	0 41	21 40	0 19	19 23	2 51	0 21	0 59	17 11		n.a.
W26	11 6	0 41	0 18	13 28	2 18	7 56	1 12	4 44	0 8	17 58	0 50	6 33	2 38	2 9	0 41	21 40	0 19	19 23	2 51	0 21	0 57	17 11		n.a.
T 27	10 45	3s24	0n53	13 52	2 4	7 26	1 11	5 1	0 8	17 59	0 50	6 32	2 38	2 8	0 41	21 40	0 19	19 23	2 51	0 21	0 56	17 12		n.a.
F 28	10 23	7 13	1 59	14 14	1 49	6 56	1 10	5 18	0 9	18 0	0 50	6 31	2 38	2 7	0 41	21 39	0 19	19 24	2 51	0 21	0 55	17 13		n.a.
S 29	10s 2	10s39	2n58	14s34	1n34	6s26	1s 8	5n34	0n10	18s 0	0n50	6s30	2n39	2s 6	0n41	21s39	0s19	19s24	2n51	0s22	0s54	17s14		n.a.

Julian Day Number = 1553073.5, Delta T = 04h29m28s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'17, Lahiri = -10°19'17 Julian Calendar 1 Feb. 461 BCE == Greg. Calendar 27 Jan. 461 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

MARCH 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 13 24	5♓22'10	17♏17	16°R23	17♓47	14♈15	23♏15	22°R42	6°R46	25♑25	9♐49	0♎56	2♎10	7♐35	n.a.	S 1
M 2	10 17 20	6°21'09	29°13	16♒15	19° 1	14°56	23°18	22♎40	6♎44	25°26	9°50	0°57	2° 7	7°42	n.a.	M 2
T 3	10 21 17	7°20'05	11♐ 5	16°D12	20°15	15°37	23°20	22°38	6°41	25°28	9°50	0°R57	2° 4	7°49	n.a.	T 3
W 4	10 25 13	8°19'00	22°59	16°14	21°29	16°17	23°22	22°35	6°39	25°30	9°51	0°56	2° 0	7°56	n.a.	W 4
T 5	10 29 10	9°17'53	5♑ 0	16°22	22°43	16°58	23°25	22°33	6°37	25°32	9°51	0°54	1°57	8° 2	n.a.	T 5
F 6	10 33 6	10°16'45	17°11	16°35	23°57	17°39	23°27	22°30	6°35	25°34	9°51	0°52	1°54	8° 9	n.a.	F 6
S 7	10 37 3	11°15'34	29°36	16°53	25°11	18°19	23°28	22°27	6°33	25°35	9°52	0°49	1°51	8°16	n.a.	S 7
S 8	10 40 59	12°14'21	12♒18	17°16	26°25	19° 0	23°30	22°25	6°31	25°37	9°52	0°46	1°48	8°22	n.a.	S 8
M 9	10 44 56	13°13'07	25°18	17°43	27°39	19°40	23°31	22°22	6°28	25°39	9°52	0°43	1°45	8°29	n.a.	M 9
T 10	10 48 53	14°11'50	8♓35	18°15	28°53	20°21	23°33	22°19	6°26	25°40	9°53	0°42	1°41	8°36	n.a.	T 10
W11	10 52 49	15°10'31	22°10	18°50	0♈ 7	21° 2	23°34	22°16	6°24	25°42	9°53	0°41	1°38	8°42	n.a.	W11
T 12	10 56 46	16° 9'10	5♈59	19°30	1°21	21°42	23°35	22°13	6°22	25°44	9°53	0°D41	1°35	8°49	n.a.	T 12
F 13	11 0 42	17° 7'47	20° 0	20°13	2°35	22°22	23°35	22°10	6°19	25°45	9°53	0°41	1°32	8°56	n.a.	F 13
S 14	11 4 39	18° 6'22	4♉ 9	21° 0	3°48	23° 3	23°36	22° 6	6°17	25°47	9°53	0°42	1°29	9° 3	n.a.	S 14
S 15	11 8 35	19° 4'55	18°23	21°51	5° 2	23°43	23°36	22° 3	6°14	25°48	9°53	0°43	1°25	9° 9	n.a.	S 15
M16	11 12 32	20° 3'25	2♊39	22°44	6°16	24°24	23°R36	22° 0	6°12	25°50	9°53	0°44	1°22	9°16	n.a.	M16
T 17	11 16 28	21° 1'53	16°54	23°41	7°30	25° 4	23°36	21°56	6°10	25°51	9°R53	0°R44	1°19	9°23	n.a.	T 17
W18	11 20 25	22° 0'19	1♋ 5	24°40	8°43	25°44	23°36	21°53	6° 7	25°53	9°53	0°44	1°16	9°29	n.a.	W18
T 19	11 24 22	22°58'43	15°11	25°42	9°57	26°25	23°35	21°49	6° 5	25°54	9°53	0°44	1°13	9°36	n.a.	T 19
F 20	11 28 18	23°57'04	29° 8	26°47	11°11	27° 5	23°35	21°46	6° 2	25°56	9°53	0°43	1°10	9°43	n.a.	F 20
S 21	11 32 15	24°55'23	12♌55	27°55	12°24	27°45	23°34	21°42	6° 0	25°57	9°53	0°42	1° 6	9°50	n.a.	S 21
S 22	11 36 11	25°53'40	26°31	29° 5	13°38	28°25	23°33	21°38	5°57	25°59	9°53	0°42	1° 3	9°56	n.a.	S 22
M23	11 40 8	26°51'54	9♍54	0♓17	14°52	29° 5	23°32	21°34	5°55	26° 0	9°53	0°41	1° 0	10° 3	n.a.	M23
T 24	11 44 4	27°50'07	23° 2	1°32	16° 5	29°45	23°30	21°31	5°52	26° 1	9°53	0°41	0°57	10°10	n.a.	T 24
W25	11 48 1	28°48'18	5♎55	2°49	17°19	0♉25	23°29	21°27	5°50	26° 2	9°53	0°D41	0°54	10°16	n.a.	W25
T 26	11 51 57	29°46'27	18°33	4° 8	18°32	1° 5	23°27	21°23	5°47	26° 4	9°52	0°41	0°50	10°23	n.a.	T 26
F 27	11 55 54	0♈44'34	0♏57	5°30	19°45	1°45	23°25	21°19	5°45	26° 5	9°52	0°R41	0°47	10°30	n.a.	F 27
S 28	11 59 50	1°42'40	13° 9	6°53	20°59	2°25	23°23	21°15	5°42	26° 6	9°52	0°41	0°44	10°37	n.a.	S 28
S 29	12 3 47	2°40'44	25°11	8°19	22°12	3° 5	23°20	21°11	5°40	26° 7	9°51	0°41	0°41	10°43	n.a.	S 29
M30	12 7 44	3°38'47	7♐ 7	9°47	23°26	3°45	23°18	21° 7	5°37	26° 8	9°51	0°41	0°38	10°50	n.a.	M30
T 31	12 11 40	4♈36'48	18♐59	11♓16	24♈39	4♉25	23♏15	21♎ 3	5♎35	26♑10	9♐51	0♎40	0♎35	10♐57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚸	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s40	13s34	3n48	14s53	1n18	5s55	1s 7	5n51	0n10	18s 1	0n50	6s29	2n39	2s 6	0n41	21s39	0s19	19s24	2n51	0s23	0s52	17s14		n.a.
M 2	9 18	15 53	4 28	15 10	1 3	5 24	1 5	6 8	0 11	18 2	0 50	6 28	2 39	2 5	0 41	21 38	0 19	19 24	2 51	0 23	0 51	17 15		n.a.
T 3	8 56	17 30	4 56	15 25	0 48	4 53	1 4	6 24	0 12	18 2	0 50	6 27	2 39	2 4	0 41	21 38	0 19	19 24	2 51	0 23	0 50	17 16		n.a.
W 4	8 33	18 22	5 12	15 38	0 34	4 22	1 2	6 41	0 12	18 3	0 50	6 26	2 39	2 3	0 41	21 38	0 19	19 24	2 51	0 23	0 48	17 16		n.a.
T 5	8 11	18 26	5 14	15 50	0 19	3 51	1 0	6 57	0 13	18 3	0 50	6 25	2 40	2 2	0 41	21 37	0 19	19 24	2 51	0 22	0 47	17 17		n.a.
F 6	7 49	17 38	5 2	15 59	0 6	3 20	0 59	7 13	0 14	18 4	0 50	6 24	2 40	2 1	0 41	21 37	0 19	19 24	2 51	0 21	0 46	17 18		n.a.
S 7	7 26	16 0	4 36	16 6	0s 8	2 48	0 57	7 30	0 14	18 4	0 50	6 23	2 40	2 0	0 41	21 37	0 19	19 24	2 51	0 20	0 45	17 19		n.a.
S 8	7 3	13 33	3 56	16 11	0 21	2 17	0 55	7 46	0 15	18 5	0 50	6 22	2 40	1 59	0 41	21 36	0 19	19 24	2 51	0 18	0 43	17 19		n.a.
M 9	6 41	10 23	3 3	16 15	0 33	1 45	0 53	8 2	0 16	18 5	0 50	6 20	2 40	1 59	0 41	21 36	0 19	19 24	2 51	0 17	0 42	17 20		n.a.
T 10	6 18	6 37	1 59	16 16	0 45	1 14	0 51	8 18	0 16	18 5	0 50	6 19	2 40	1 58	0 41	21 36	0 19	19 24	2 51	0 17	0 41	17 21		n.a.
W11	5 55	2 26	0 47	16 16	0 56	0 42	0 49	8 34	0 17	18 5	0 51	6 18	2 41	1 57	0 41	21 36	0 19	19 24	2 51	0 16	0 40	17 21		n.a.
T 12	5 32	1n58	0s29	16 13	1 7	0 11	0 47	8 50	0 18	18 6	0 51	6 17	2 41	1 56	0 41	21 35	0 19	19 24	2 51	0 16	0 38	17 22		n.a.
F 13	5 9	6 18	1 45	16 9	1 17	0n21	0 45	9 6	0 18	18 6	0 51	6 15	2 41	1 55	0 41	21 35	0 19	19 24	2 51	0 17	0 37	17 23		n.a.
S 14	4 46	10 20	2 55	16 3	1 27	0 53	0 43	9 22	0 19	18 6	0 51	6 14	2 41	1 54	0 41	21 35	0 19	19 24	2 51	0 17	0 36	17 23		n.a.
S 15	4 22	13 46	3 54	15 55	1 36	1 24	0 41	9 37	0 19	18 6	0 51	6 13	2 41	1 53	0 41	21 34	0 19	19 24	2 51	0 17	0 34	17 24		n.a.
M16	3 59	16 23	4 40	15 45	1 44	1 56	0 39	9 53	0 20	18 6	0 51	6 11	2 41	1 52	0 41	21 34	0 19	19 25	2 51	0 18	0 33	17 25		n.a.
T 17	3 36	18 0	5 8	15 33	1 52	2 27	0 36	10 8	0 21	18 6	0 51	6 10	2 41	1 51	0 41	21 34	0 19	19 25	2 51	0 18	0 32	17 25		n.a.
W18	3 13	18 28	5 17	15 20	1 59	2 59	0 34	10 24	0 21	18 6	0 51	6 8	2 41	1 50	0 41	21 34	0 19	19 25	2 51	0 18	0 31	17 26		n.a.
T 19	2 49	17 47	5 7	15 5	2 5	3 30	0 32	10 39	0 22	18 5	0 51	6 7	2 42	1 49	0 41	21 33	0 19	19 25	2 51	0 18	0 29	17 27		n.a.
F 20	2 26	16 3	4 39	14 48	2 11	4 2	0 30	10 55	0 22	18 5	0 51	6 5	2 42	1 48	0 41	21 33	0 19	19 25	2 51	0 17	0 28	17 27		n.a.
S 21	2 3	13 24	3 55	14 29	2 16	4 33	0 27	11 10	0 23	18 5	0 51	6 4	2 42	1 47	0 41	21 33	0 19	19 25	2 51	0 17	0 27	17 28		n.a.
S 22	1 39	10 3	2 58	14 9	2 21	5 4	0 25	11 25	0 23	18 5	0 51	6 2	2 42	1 46	0 41	21 33	0 19	19 25	2 51	0 17	0 25	17 29		n.a.
M23	1 16	6 13	1 53	13 46	2 25	5 35	0 22	11 40	0 24	18 4	0 51	6 1	2 42	1 45	0 41	21 32	0 19	19 25	2 51	0 17	0 24	17 29		n.a.
T 24	0 52	2 9	0 42	13 23	2 29	6 6	0 20	11 55	0 25	18 4	0 51	5 59	2 42	1 44	0 41	21 32	0 19	19 25	2 51	0 17	0 23	17 30		n.a.
W25	0 29	1s56	0n29	12 57	2 32	6 37	0 17	12 10	0 25	18 4	0 51	5 58	2 42	1 43	0 41	21 32	0 19	19 24	2 50	0 17	0 22	17 31		n.a.
T 26	0 5	5 52	1 38	12 30	2 34	7 7	0 15	12 24	0 26	18 3	0 51	5 56	2 42	1 42	0 41	21 32	0 20	19 24	2 50	0 17	0 20	17 31		n.a.
F 27	0n18	9 27	2 40	12 2	2 36	7 38	0 12	12 39	0 26	18 3	0 51	5 55	2 42	1 41	0 41	21 32	0 20	19 24	2 50	0 17	0 19	17 32		n.a.
S 28	0 41	12 35	3 34	11 31	2 37	8 8	0 10	12 53	0 27	18 2	0 51	5 53	2 42	1 40	0 41	21 31	0 20	19 24	2 50	0 17	0 18	17 33		n.a.
S 29	1 5	15 8	4 18	10 59	2 38	8 38	0 7	13 8	0 27	18 2	0 51	5 52	2 43	1 39	0 41	21 31	0 20	19 24	2 50	0 16	0 16	17 33		n.a.
M30	1 28	17 0	4 51	10 26	2 38	9 8	0 5	13 22	0 28	18 1	0 51	5 50	2 43	1 38	0 41	21 31	0 20	19 24	2 50	0 16	0 15	17 34		n.a.
T 31	1n51	18s 8	5n11	9s51	2s37	9n38	0s 2	13n36	0n28	18s 0	0n51	5s48	2n43	1s37	0n41	21s31	0s20	19s24	2n50	0s16	0s14	17s34		n.a.

Julian Day Number = 1553102.5, Delta T = 04h29m27s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'13, Lahiri = -10°19'13 Julian Calendar 1 March 461 BCE == Greg. Calendar 25 Feb. 461 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

APRIL 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 15 37	5♈34'47	0♑54	12♓48	25♈52	5♉ 5	23°R12	20°R58	5°R32	26♑11	9°R50	0°D40	0♎31	11♐ 3	n.a.	W 1
T 2	12 19 33	6°32'45	12°54	14°21	27° 6	5°45	23♏ 9	20♎54	5♎30	26°12	9♐50	0♎40	0°28	11°10	n.a.	T 2
F 3	12 23 30	7°30'42	25° 5	15°57	28°19	6°24	23° 6	20°50	5°27	26°13	9°49	0°40	0°25	11°17	n.a.	F 3
S 4	12 27 26	8°28'37	7♒31	17°34	29°32	7° 4	23° 3	20°46	5°25	26°14	9°49	0°41	0°22	11°24	n.a.	S 4
S 5	12 31 23	9°26'31	20°15	19°14	0♉45	7°44	22°59	20°41	5°22	26°15	9°48	0°42	0°19	11°30	n.a.	S 5
M 6	12 35 19	10°24'23	3♓21	20°55	1°58	8°24	22°56	20°37	5°20	26°16	9°48	0°43	0°16	11°37	n.a.	M 6
T 7	12 39 16	11°22'14	16°50	22°39	3°11	9° 3	22°52	20°33	5°17	26°16	9°47	0°43	0°12	11°44	n.a.	T 7
W 8	12 43 12	12°20'03	0♈41	24°24	4°25	9°43	22°48	20°28	5°15	26°17	9°46	0°R44	0° 9	11°50	n.a.	W 8
T 9	12 47 9	13°17'51	14°52	26°11	5°38	10°23	22°43	20°24	5°12	26°18	9°46	0°43	0° 6	11°57	n.a.	T 9
F 10	12 51 6	14°15'38	29°19	28° 0	6°51	11° 2	22°39	20°20	5° 9	26°19	9°45	0°42	0° 3	12° 4	n.a.	F 10
S 11	12 55 2	15°13'23	13♉56	29°52	8° 4	11°42	22°35	20°15	5° 7	26°20	9°44	0°41	29♍59	12°11	n.a.	S 11
S 12	12 58 59	16°11'06	28°37	1♈45	9°17	12°21	22°30	20°11	5° 5	26°21	9°44	0°39	29°56	12°17	n.a.	S 12
M13	13 2 55	17° 8'47	13♊14	3°40	10°29	13° 1	22°25	20° 6	5° 2	26°21	9°43	0°37	29°53	12°24	n.a.	M13
T 14	13 6 52	18° 6'27	27°43	5°37	11°42	13°40	22°20	20° 2	5° 0	26°22	9°42	0°36	29°50	12°31	n.a.	T 14
W15	13 10 48	19° 4'06	12♋ 0	7°35	12°55	14°20	22°15	19°58	4°57	26°23	9°41	0°35	29°47	12°37	n.a.	W15
T 16	13 14 45	20° 1'42	26° 1	9°36	14° 8	14°59	22°10	19°53	4°55	26°23	9°41	0°D35	29°44	12°44	n.a.	T 16
F 17	13 18 41	20°59'17	9♌45	11°38	15°21	15°39	22° 4	19°49	4°52	26°24	9°40	0°35	29°41	12°51	n.a.	F 17
S 18	13 22 38	21°56'50	23°14	13°42	16°34	16°18	21°59	19°44	4°50	26°24	9°39	0°37	29°37	12°58	n.a.	S 18
S 19	13 26 35	22°54'22	6♍27	15°48	17°46	16°58	21°53	19°40	4°48	26°25	9°38	0°38	29°34	13° 4	n.a.	S 19
M20	13 30 31	23°51'52	19°26	17°55	18°59	17°37	21°47	19°35	4°45	26°25	9°37	0°39	29°31	13°11	n.a.	M20
T 21	13 34 28	24°49'21	2♎11	20° 3	20°12	18°16	21°41	19°31	4°43	26°26	9°36	0°R40	29°28	13°18	n.a.	T 21
W22	13 38 24	25°46'48	14°45	22°13	21°24	18°55	21°35	19°27	4°41	26°26	9°35	0°39	29°25	13°25	n.a.	W22
T 23	13 42 21	26°44'14	27° 8	24°23	22°37	19°35	21°29	19°22	4°38	26°27	9°34	0°37	29°21	13°31	n.a.	T 23
F 24	13 46 17	27°41'39	9♏22	26°34	23°49	20°14	21°22	19°18	4°36	26°27	9°33	0°34	29°18	13°38	n.a.	F 24
S 25	13 50 14	28°39'03	21°27	28°45	25° 2	20°53	21°16	19°14	4°34	26°27	9°32	0°29	29°15	13°45	n.a.	S 25
S 26	13 54 10	29°36'26	3♐26	0♉57	26°14	21°32	21°10	19° 9	4°32	26°28	9°31	0°24	29°12	13°51	n.a.	S 26
M27	13 58 7	0♉33'48	15°20	3° 8	27°27	22°12	21° 3	19° 5	4°29	26°28	9°30	0°20	29° 9	13°58	n.a.	M27
T 28	14 2 4	1°31'09	27°12	5°20	28°39	22°51	20°56	19° 1	4°27	26°28	9°29	0°15	29° 6	14° 5	n.a.	T 28
W29	14 6 0	2°28'30	9♑ 6	7°30	29°51	23°30	20°49	18°56	4°25	26°28	9°28	0°11	29° 2	14°12	n.a.	W29
T 30	14 9 57	3♉25'49	21♑ 5	9♉40	1♊ 4	24♉ 9	20♏42	18♎52	4♎23	26♑28	9♐27	0♎ 9	28♍59	14♐18	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n15	18s28	5n17	9s14	2s36	10n 8	0n 0	13n50	0n29	17s59	0n51	5s47	2n43	1s36	0n41	21s31	0s20	19s24	2n50	0s16	0s13	17s35		n.a.
T 2	2 38	17 58	5 10	8 36	2 35	10 37	0 3	14 4	0 29	17 59	0 51	5 45	2 43	1 35	0 41	21 30	0 20	19 24	2 50	0 16	0 11	17 36		n.a.
F 3	3 1	16 39	4 49	7 57	2 32	11 6	0 6	14 18	0 30	17 58	0 51	5 43	2 43	1 34	0 41	21 30	0 20	19 24	2 50	0 16	0 10	17 36		n.a.
S 4	3 24	14 32	4 14	7 16	2 30	11 35	0 8	14 32	0 31	17 57	0 51	5 42	2 43	1 33	0 41	21 30	0 20	19 24	2 50	0 17	0 9	17 37		n.a.
S 5	3 47	11 40	3 26	6 33	2 26	12 3	0 11	14 45	0 31	17 56	0 51	5 40	2 43	1 32	0 41	21 30	0 20	19 24	2 50	0 17	0 8	17 38		n.a.
M 6	4 10	8 8	2 26	5 49	2 22	12 31	0 14	14 59	0 32	17 55	0 51	5 38	2 43	1 31	0 41	21 30	0 20	19 24	2 50	0 17	0 6	17 38		n.a.
T 7	4 33	4 6	1 16	5 4	2 18	12 59	0 16	15 12	0 32	17 54	0 51	5 37	2 43	1 30	0 41	21 30	0 20	19 24	2 50	0 17	0 5	17 39		n.a.
W 8	4 56	0n17	0 0	4 17	2 13	13 27	0 19	15 26	0 33	17 53	0 51	5 35	2 43	1 29	0 41	21 29	0 20	19 24	2 50	0 18	0 4	17 39		n.a.
T 9	5 19	4 45	1s17	3 29	2 7	13 54	0 22	15 39	0 33	17 52	0 51	5 33	2 43	1 28	0 41	21 29	0 20	19 24	2 50	0 17	0 2	17 40		n.a.
F 10	5 42	9 1	2 32	2 39	2 1	14 21	0 24	15 52	0 34	17 51	0 51	5 32	2 43	1 27	0 41	21 29	0 20	19 24	2 50	0 17	0 1	17 41		n.a.
S 11	6 4	12 47	3 37	1 48	1 55	14 48	0 27	16 5	0 34	17 50	0 51	5 30	2 43	1 26	0 41	21 29	0 20	19 24	2 50	0 16	0n 0	17 41		n.a.
S 12	6 27	15 45	4 28	0 56	1 48	15 14	0 30	16 17	0 35	17 49	0 51	5 28	2 43	1 25	0 41	21 29	0 20	19 24	2 50	0 16	0 1	17 42		n.a.
M13	6 49	17 42	5 1	0 3	1 40	15 40	0 32	16 30	0 35	17 47	0 51	5 27	2 43	1 24	0 41	21 29	0 20	19 23	2 50	0 15	0 3	17 42		n.a.
T 14	7 11	18 29	5 15	0n51	1 32	16 6	0 35	16 43	0 36	17 46	0 51	5 25	2 43	1 23	0 41	21 29	0 20	19 23	2 50	0 14	0 4	17 43		n.a.
W15	7 34	18 4	5 9	1 46	1 24	16 31	0 37	16 55	0 36	17 45	0 51	5 23	2 43	1 22	0 41	21 29	0 20	19 23	2 50	0 14	0 5	17 44		n.a.
T 16	7 56	16 33	4 45	2 42	1 15	16 55	0 40	17 7	0 36	17 43	0 51	5 22	2 43	1 21	0 41	21 28	0 20	19 23	2 50	0 14	0 7	17 44		n.a.
F 17	8 18	14 6	4 5	3 39	1 5	17 20	0 43	17 19	0 37	17 42	0 51	5 20	2 43	1 20	0 41	21 28	0 20	19 23	2 50	0 14	0 8	17 45		n.a.
S 18	8 39	10 56	3 12	4 37	0 56	17 43	0 45	17 31	0 37	17 41	0 51	5 18	2 43	1 19	0 41	21 28	0 20	19 23	2 50	0 15	0 9	17 45		n.a.
S 19	9 1	7 16	2 9	5 35	0 46	18 7	0 48	17 43	0 38	17 39	0 51	5 17	2 43	1 18	0 41	21 28	0 20	19 23	2 50	0 15	0 10	17 46		n.a.
M20	9 23	3 18	1 1	6 34	0 36	18 30	0 50	17 55	0 38	17 38	0 51	5 15	2 43	1 17	0 41	21 28	0 20	19 23	2 50	0 16	0 12	17 46		n.a.
T 21	9 44	0s45	0n 8	7 33	0 25	18 52	0 53	18 7	0 39	17 36	0 51	5 14	2 43	1 16	0 41	21 28	0 20	19 23	2 50	0 16	0 13	17 47		n.a.
W22	10 5	4 43	1 17	8 31	0 15	19 14	0 55	18 18	0 39	17 35	0 51	5 12	2 43	1 15	0 41	21 28	0 20	19 23	2 50	0 16	0 14	17 48		n.a.
T 23	10 26	8 24	2 20	9 30	0 4	19 35	0 58	18 29	0 40	17 33	0 51	5 10	2 43	1 15	0 41	21 28	0 20	19 23	2 50	0 15	0 16	17 48		n.a.
F 24	10 47	11 42	3 16	10 28	0n 6	19 56	1 0	18 41	0 40	17 31	0 51	5 9	2 43	1 14	0 41	21 28	0 20	19 22	2 50	0 14	0 17	17 49		n.a.
S 25	11 8	14 27	4 3	11 26	0 17	20 17	1 3	18 52	0 41	17 30	0 51	5 7	2 43	1 13	0 41	21 28	0 20	19 22	2 50	0 12	0 18	17 49		n.a.
S 26	11 29	16 33	4 38	12 23	0 27	20 37	1 5	19 2	0 41	17 28	0 51	5 5	2 42	1 12	0 41	21 28	0 20	19 22	2 50	0 10	0 19	17 50		n.a.
M27	11 49	17 56	5 2	13 18	0 37	20 56	1 7	19 13	0 41	17 26	0 50	5 4	2 42	1 11	0 41	21 28	0 20	19 22	2 50	0 8	0 21	17 50		n.a.
T 28	12 9	18 32	5 12	14 12	0 47	21 15	1 10	19 24	0 42	17 25	0 50	5 2	2 42	1 10	0 41	21 28	0 20	19 22	2 50	0 6	0 22	17 51		n.a.
W29	12 29	18 18	5 8	15 5	0 57	21 33	1 12	19 34	0 42	17 23	0 50	5 1	2 42	1 9	0 41	21 28	0 20	19 22	2 49	0 5	0 23	17 51		n.a.
T 30	12n49	17s16	4n52	15n56	1n 6	21n51	1n14	19n44	0n43	17s21	0n50	4s59	2n42	1s 9	0n41	21s28	0s20	19s22	2n49	0s 4	0n24	17s52		n.a.

Julian Day Number = 1553133.5, Delta T = 04h29m25s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'09, Lahiri = -10°19'09 Julian Calendar 1 Apr. 461 BCE == Greg. Calendar 27 March 461 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

MAY 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 13 53	4♉23'08	3♒14	11♉48	2♊16	24♉48	20°R35	18°R48	4°R21	26♑29	9°R26	0°D 8	28♍56	14♐25	n.a.	F 1
S 2	14 17 50	5°20'27	15°37	13°55	3°28	25°27	20♏28	18♎44	4♎19	26°29	9♐24	0♎ 9	28°53	14°32	n.a.	S 2
S 3	14 21 46	6°17'44	28°19	16° 1	4°40	26° 6	20°21	18°40	4°17	26°29	9°23	0°10	28°50	14°38	n.a.	S 3
M 4	14 25 43	7°15'02	11♓23	18° 5	5°53	26°45	20°14	18°36	4°15	26°29	9°22	0°12	28°47	14°45	n.a.	M 4
T 5	14 29 39	8°12'18	24°54	20° 6	7° 5	27°24	20° 7	18°32	4°13	26°R29	9°21	0°R13	28°43	14°52	n.a.	T 5
W 6	14 33 36	9° 9'34	8♈51	22° 6	8°17	28° 3	19°59	18°28	4°11	26°29	9°20	0°12	28°40	14°59	n.a.	W 6
T 7	14 37 33	10° 6'49	23°14	24° 4	9°29	28°42	19°52	18°24	4° 9	26°29	9°18	0°11	28°37	15° 5	n.a.	T 7
F 8	14 41 29	11° 4'04	7♉58	25°59	10°41	29°21	19°44	18°20	4° 7	26°29	9°17	0° 7	28°34	15°12	n.a.	F 8
S 9	14 45 26	12° 1'18	22°57	27°53	11°53	29°59	19°37	18°16	4° 5	26°28	9°16	0° 2	28°31	15°19	n.a.	S 9
S 10	14 49 22	12°58'32	8♊ 1	29°43	13° 5	0♊39	19°29	18°12	4° 3	26°28	9°15	29♍56	28°27	15°25	n.a.	S 10
M11	14 53 19	13°55'44	23° 2	1♊32	14°17	1°18	19°22	18° 8	4° 2	26°28	9°13	29°49	28°24	15°32	n.a.	M11
T 12	14 57 15	14°52'56	7♋50	3°18	15°28	1°57	19°14	18° 4	4° 0	26°28	9°12	29°44	28°21	15°39	n.a.	T 12
W13	15 1 12	15°50'07	22°19	5° 1	16°40	2°35	19° 7	18° 1	3°58	26°28	9°11	29°40	28°18	15°46	n.a.	W13
T 14	15 5 8	16°47'17	6♌25	6°42	17°52	3°14	18°59	17°57	3°57	26°27	9° 9	29°38	28°15	15°52	n.a.	T 14
F 15	15 9 5	17°44'27	20° 8	8°21	19° 4	3°53	18°51	17°54	3°55	26°27	9° 8	29°D37	28°12	15°59	n.a.	F 15
S 16	15 13 2	18°41'35	3♍28	9°57	20°15	4°32	18°44	17°50	3°53	26°27	9° 6	29°38	28° 8	16° 6	n.a.	S 16
S 17	15 16 58	19°38'43	16°28	11°30	21°27	5°11	18°36	17°47	3°52	26°26	9° 5	29°39	28° 5	16°13	n.a.	S 17
M18	15 20 55	20°35'50	29°11	13° 1	22°38	5°49	18°28	17°43	3°50	26°26	9° 4	29°R40	28° 2	16°19	n.a.	M18
T 19	15 24 51	21°32'57	11♎41	14°30	23°50	6°28	18°21	17°40	3°49	26°25	9° 2	29°39	27°59	16°26	n.a.	T 19
W20	15 28 48	22°30'03	23°59	15°56	25° 1	7° 7	18°13	17°37	3°48	26°25	9° 1	29°36	27°56	16°33	n.a.	W20
T 21	15 32 44	23°27'09	6♏ 9	17°19	26°13	7°45	18° 5	17°34	3°46	26°25	8°59	29°31	27°52	16°39	n.a.	T 21
F 22	15 36 41	24°24'14	18°12	18°40	27°24	8°24	17°58	17°30	3°45	26°24	8°58	29°24	27°49	16°46	n.a.	F 22
S 23	15 40 37	25°21'19	0♐10	19°58	28°35	9° 3	17°50	17°27	3°44	26°23	8°57	29°14	27°46	16°53	n.a.	S 23
S 24	15 44 34	26°18'24	12° 4	21°13	29°47	9°41	17°43	17°24	3°43	26°23	8°55	29° 4	27°43	17° 0	n.a.	S 24
M25	15 48 31	27°15'29	23°57	22°25	0♋58	10°20	17°35	17°22	3°41	26°22	8°54	28°53	27°40	17° 6	n.a.	M25
T 26	15 52 27	28°12'34	5♑49	23°35	2° 9	10°59	17°28	17°19	3°40	26°22	8°52	28°43	27°37	17°13	n.a.	T 26
W27	15 56 24	29° 9'39	17°44	24°41	3°20	11°37	17°21	17°16	3°39	26°21	8°51	28°35	27°33	17°20	n.a.	W27
T 28	16 0 20	0♊ 6'44	29°44	25°45	4°31	12°16	17°13	17°13	3°38	26°20	8°49	28°28	27°30	17°26	n.a.	T 28
F 29	16 4 17	1° 3'49	11♒52	26°46	5°42	12°54	17° 6	17°11	3°37	26°19	8°48	28°24	27°27	17°33	n.a.	F 29
S 30	16 8 13	2° 0'55	24°13	27°43	6°53	13°33	16°59	17° 8	3°36	26°19	8°46	28°22	27°24	17°40	n.a.	S 30
S 31	16 12 10	2♊58'00	6♓51	28♊37	8♋ 4	14♊11	16♏52	17♎ 6	3♎35	26♑18	8♐45	28°D22	27♍21	17♐47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n 9	15s27	4n22	16n45	1n15	22n 8	1n16	19n55	0n43	17s19	0n50	4s58	2n42	1s 8	0n41	21s28	0s20	19s22	2n49	0s 3	0n26	17s53		n.a.
S 2	13 28	12 52	3 39	17 32	1 23	22 24	1 18	20 5	0 44	17 18	0 50	4 56	2 42	1 7	0 41	21 28	0 20	19 21	2 49	0 4	0 27	17 53		n.a.
S 3	13 47	9 38	2 45	18 17	1 30	22 40	1 21	20 14	0 44	17 16	0 50	4 55	2 42	1 6	0 41	21 28	0 20	19 21	2 49	0 4	0 28	17 54		n.a.
M 4	14 7	5 50	1 41	19 0	1 37	22 55	1 23	20 24	0 44	17 14	0 50	4 53	2 42	1 5	0 41	21 28	0 20	19 21	2 49	0 5	0 30	17 54		n.a.
T 5	14 25	1 37	0 29	19 40	1 44	23 10	1 25	20 34	0 45	17 12	0 50	4 52	2 42	1 5	0 41	21 28	0 20	19 21	2 49	0 5	0 31	17 55		n.a.
W 6	14 44	2n50	0s47	20 17	1 49	23 24	1 27	20 43	0 45	17 10	0 50	4 50	2 41	1 4	0 40	21 28	0 20	19 21	2 49	0 5	0 32	17 55		n.a.
T 7	15 2	7 15	2 2	20 53	1 54	23 37	1 29	20 52	0 46	17 8	0 50	4 49	2 41	1 3	0 40	21 28	0 20	19 21	2 49	0 4	0 33	17 56		n.a.
F 8	15 20	11 21	3 10	21 25	1 59	23 50	1 30	21 1	0 46	17 6	0 50	4 48	2 41	1 2	0 40	21 28	0 21	19 21	2 49	0 3	0 35	17 56		n.a.
S 9	15 38	14 46	4 7	21 56	2 2	24 2	1 32	21 10	0 46	17 4	0 49	4 46	2 41	1 2	0 40	21 28	0 21	19 21	2 49	0 1	0 36	17 57		n.a.
S 10	15 56	17 13	4 47	22 23	2 5	24 13	1 34	21 19	0 47	17 2	0 49	4 45	2 41	1 1	0 40	21 28	0 21	19 20	2 49	0n 2	0 37	17 57		n.a.
M11	16 13	18 28	5 7	22 49	2 7	24 23	1 36	21 27	0 47	17 0	0 49	4 44	2 41	1 0	0 40	21 28	0 21	19 20	2 49	0 4	0 39	17 58		n.a.
T 12	16 31	18 26	5 6	23 11	2 9	24 33	1 37	21 36	0 48	16 58	0 49	4 42	2 41	1 0	0 40	21 28	0 21	19 20	2 49	0 6	0 40	17 58		n.a.
W13	16 47	17 11	4 45	23 32	2 9	24 43	1 39	21 44	0 48	16 56	0 49	4 41	2 40	0 59	0 40	21 28	0 21	19 20	2 49	0 8	0 41	17 59		n.a.
T 14	17 4	14 55	4 8	23 50	2 9	24 51	1 40	21 52	0 48	16 54	0 49	4 40	2 40	0 58	0 40	21 28	0 21	19 20	2 49	0 9	0 42	17 59		n.a.
F 15	17 20	11 51	3 17	24 6	2 9	24 59	1 42	22 0	0 49	16 52	0 49	4 39	2 40	0 58	0 40	21 28	0 21	19 20	2 49	0 9	0 44	18 0		n.a.
S 16	17 37	8 15	2 16	24 20	2 7	25 6	1 43	22 7	0 49	16 50	0 49	4 38	2 40	0 57	0 40	21 28	0 21	19 20	2 49	0 9	0 45	18 0		n.a.
S 17	17 52	4 20	1 11	24 31	2 5	25 12	1 45	22 15	0 49	16 48	0 48	4 36	2 40	0 57	0 40	21 29	0 21	19 19	2 48	0 8	0 46	18 1		n.a.
M18	18 8	0 17	0 3	24 41	2 2	25 18	1 46	22 22	0 50	16 46	0 48	4 35	2 40	0 56	0 40	21 29	0 21	19 19	2 48	0 8	0 48	18 1		n.a.
T 19	18 23	3s42	1n 4	24 48	1 59	25 23	1 47	22 29	0 50	16 44	0 48	4 34	2 39	0 55	0 40	21 29	0 21	19 19	2 48	0 8	0 49	18 2		n.a.
W20	18 38	7 27	2 7	24 54	1 55	25 27	1 48	22 36	0 50	16 42	0 48	4 33	2 39	0 55	0 40	21 29	0 21	19 19	2 48	0 10	0 50	18 2		n.a.
T 21	18 53	10 52	3 3	24 58	1 50	25 31	1 49	22 43	0 51	16 40	0 48	4 32	2 39	0 54	0 40	21 29	0 21	19 19	2 48	0 12	0 51	18 3		n.a.
F 22	19 7	13 47	3 50	25 0	1 44	25 33	1 50	22 50	0 51	16 39	0 48	4 31	2 39	0 54	0 40	21 29	0 21	19 19	2 48	0 15	0 53	18 3		n.a.
S 23	19 21	16 6	4 26	25 0	1 38	25 35	1 51	22 56	0 52	16 37	0 48	4 30	2 39	0 53	0 40	21 29	0 21	19 19	2 48	0 18	0 54	18 4		n.a.
S 24	19 35	17 43	4 51	24 59	1 32	25 37	1 52	23 3	0 52	16 35	0 47	4 29	2 38	0 53	0 40	21 29	0 21	19 18	2 48	0 23	0 55	18 4		n.a.
M25	19 48	18 34	5 3	24 56	1 24	25 37	1 53	23 9	0 52	16 33	0 47	4 28	2 38	0 53	0 40	21 30	0 21	19 18	2 48	0 27	0 56	18 5		n.a.
T 26	20 1	18 36	5 2	24 52	1 16	25 37	1 53	23 15	0 53	16 31	0 47	4 27	2 38	0 52	0 40	21 30	0 21	19 18	2 48	0 31	0 58	18 5		n.a.
W27	20 14	17 48	4 47	24 46	1 8	25 36	1 54	23 21	0 53	16 29	0 47	4 26	2 38	0 52	0 40	21 30	0 21	19 18	2 48	0 34	0 59	18 6		n.a.
T 28	20 26	16 14	4 20	24 39	0 59	25 34	1 54	23 26	0 53	16 27	0 47	4 26	2 38	0 51	0 40	21 30	0 21	19 18	2 48	0 37	1 0	18 6		n.a.
F 29	20 38	13 54	3 41	24 31	0 49	25 32	1 55	23 31	0 54	16 25	0 47	4 25	2 37	0 51	0 40	21 30	0 21	19 18	2 47	0 39	1 2	18 7		n.a.
S 30	20 50	10 56	2 52	24 22	0 39	25 29	1 55	23 37	0 54	16 23	0 46	4 24	2 37	0 51	0 40	21 30	0 21	19 18	2 47	0 39	1 3	18 7		n.a.
S 31	21n 1	7s23	1n52	24n12	0n28	25n25	1n55	23n42	0n54	16s21	0n46	4s23	2n37	0s50	0n40	21s31	0s21	19s17	2n47	0n39	1n 4	18s 8		n.a.

Julian Day Number = 1553163.5, Delta T = 04h29m24s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'05, Lahiri = -10°19'04 Julian Calendar 1 May 461 BCE == Greg. Calendar 26 Apr. 461 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

JUNE 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 16 7	3♊55'06	19♓51	29♊28	9♋14	14♊50	16°R45	17°R 3	3°R34	26°R17	8°R43	28♍23	27♍18	17♐53	n.a.	M 1
T 2	16 20 3	4°52'13	3♈16	0♋15	10°25	15°29	16♏38	17♎ 1	3♎34	26♑16	8♐42	28°R23	27°14	18° 0	n.a.	T 2
W 3	16 24 0	5°49'20	17°10	0°59	11°36	16° 7	16°31	16°59	3°33	26°15	8°40	28°21	27°11	18° 7	n.a.	W 3
T 4	16 27 56	6°46'27	1♉32	1°39	12°46	16°46	16°24	16°57	3°32	26°14	8°39	28°18	27° 8	18°14	n.a.	T 4
F 5	16 31 53	7°43'35	16°20	2°15	13°57	17°24	16°17	16°55	3°32	26°13	8°37	28°12	27° 5	18°20	n.a.	F 5
S 6	16 35 49	8°40'43	1♊27	2°47	15° 7	18° 3	16°11	16°53	3°31	26°13	8°36	28° 4	27° 2	18°27	n.a.	S 6
S 7	16 39 46	9°37'52	16°44	3°15	16°18	18°41	16° 4	16°51	3°30	26°12	8°34	27°54	26°58	18°34	n.a.	S 7
M 8	16 43 42	10°35'01	2♋ 0	3°38	17°28	19°19	15°58	16°49	3°30	26°11	8°33	27°44	26°55	18°40	n.a.	M 8
T 9	16 47 39	11°32'10	17° 3	3°58	18°39	19°58	15°52	16°48	3°29	26°10	8°31	27°35	26°52	18°47	n.a.	T 9
W10	16 51 36	12°29'19	1♌46	4°12	19°49	20°36	15°45	16°46	3°29	26° 8	8°30	27°28	26°49	18°54	n.a.	W10
T 11	16 55 32	13°26'28	16° 2	4°22	20°59	21°15	15°39	16°45	3°29	26° 7	8°28	27°23	26°46	19° 1	n.a.	T 11
F 12	16 59 29	14°23'38	29°51	4°27	22° 9	21°53	15°33	16°43	3°28	26° 6	8°27	27°21	26°43	19° 7	n.a.	F 12
S 13	17 3 25	15°20'47	13♍12	4°R28	23°19	22°32	15°28	16°42	3°28	26° 5	8°25	27°D20	26°39	19°14	n.a.	S 13
S 14	17 7 22	16°17'57	26° 8	4°23	24°29	23°10	15°22	16°41	3°28	26° 4	8°24	27°R20	26°36	19°21	n.a.	S 14
M15	17 11 18	17°15'07	8♎45	4°14	25°39	23°48	15°16	16°40	3°28	26° 3	8°22	27°20	26°33	19°27	n.a.	M15
T 16	17 15 15	18°12'18	21° 6	4° 0	26°49	24°27	15°11	16°39	3°28	26° 2	8°21	27°18	26°30	19°34	n.a.	T 16
W17	17 19 11	19° 9'28	3♏15	3°41	27°58	25° 5	15° 6	16°38	3°D28	26° 0	8°19	27°14	26°27	19°41	n.a.	W17
T 18	17 23 8	20° 6'40	15°16	3°18	29° 8	25°43	15° 1	16°37	3°28	25°59	8°18	27° 7	26°24	19°48	n.a.	T 18
F 19	17 27 5	21° 3'51	27°12	2°50	0♌17	26°22	14°56	16°36	3°28	25°58	8°17	26°57	26°20	19°54	n.a.	F 19
S 20	17 31 1	22° 1'04	9♐ 6	2°19	1°27	27° 0	14°51	16°35	3°28	25°57	8°15	26°45	26°17	20° 1	n.a.	S 20
S 21	17 34 58	22°58'17	20°58	1°44	2°36	27°38	14°46	16°35	3°28	25°55	8°14	26°31	26°14	20° 8	n.a.	S 21
M22	17 38 54	23°55'31	2♑51	1° 6	3°45	28°17	14°42	16°34	3°28	25°54	8°12	26°18	26°11	20°15	n.a.	M22
T 23	17 42 51	24°52'46	14°47	0°25	4°54	28°55	14°38	16°34	3°29	25°53	8°11	26° 4	26° 8	20°21	n.a.	T 23
W24	17 46 47	25°50'01	26°45	29♊43	6° 4	29°33	14°33	16°34	3°29	25°51	8° 9	25°53	26° 4	20°28	n.a.	W24
T 25	17 50 44	26°47'18	8♒49	28°59	7°13	0♋12	14°29	16°34	3°29	25°50	8° 8	25°44	26° 1	20°35	n.a.	T 25
F 26	17 54 41	27°44'36	21° 2	28°16	8°21	0°50	14°26	16°D33	3°30	25°49	8° 7	25°38	25°58	20°41	n.a.	F 26
S 27	17 58 37	28°41'55	3♓25	27°32	9°30	1°28	14°22	16°33	3°30	25°47	8° 5	25°35	25°55	20°48	n.a.	S 27
S 28	18 2 34	29°39'15	16° 3	26°50	10°39	2° 6	14°19	16°34	3°31	25°46	8° 4	25°34	25°52	20°55	n.a.	S 28
M29	18 6 30	0♋36'36	29° 0	26°10	11°47	2°45	14°15	16°34	3°31	25°44	8° 2	25°34	25°49	21° 2	n.a.	M29
T 30	18 10 27	1♋33'58	12♈20	25♊32	12♌56	3♋23	14♏12	16♎34	3♎32	25♑43	8♐ 1	25♍33	25♍45	21♐ 8	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n12	3s23	0n45	24n 1	0n16	25n20	1n55	23n47	0n55	16s19	0n46	4s23	2n37	0s50	0n40	21s31	0s21	19s17	2n47	0n39	1n 5	18s 8		n.a.
T 2	21 23	0n55	0s26	23 49	0 5	25 15	1 55	23 51	0 55	16 17	0 46	4 22	2 36	0 50	0 40	21 31	0 21	19 17	2 47	0 39	1 7	18 8		n.a.
W 3	21 33	5 19	1 38	23 37	0s 8	25 9	1 55	23 56	0 55	16 16	0 46	4 21	2 36	0 49	0 40	21 31	0 21	19 17	2 47	0 40	1 8	18 9		n.a.
T 4	21 43	9 33	2 47	23 24	0 21	25 2	1 55	24 0	0 55	16 14	0 45	4 21	2 36	0 49	0 40	21 31	0 21	19 17	2 47	0 41	1 9	18 9		n.a.
F 5	21 53	13 20	3 46	23 10	0 34	24 55	1 55	24 4	0 56	16 12	0 45	4 20	2 36	0 49	0 39	21 31	0 21	19 17	2 47	0 44	1 11	18 10		n.a.
S 6	22 2	16 18	4 30	22 56	0 47	24 47	1 55	24 8	0 56	16 10	0 45	4 20	2 36	0 49	0 39	21 32	0 21	19 17	2 47	0 47	1 12	18 10		n.a.
S 7	22 11	18 10	4 56	22 41	1 1	24 38	1 54	24 12	0 56	16 9	0 45	4 19	2 35	0 49	0 39	21 32	0 21	19 17	2 47	0 51	1 13	18 11		n.a.
M 8	22 19	18 43	5 1	22 26	1 16	24 28	1 54	24 15	0 57	16 7	0 45	4 19	2 35	0 48	0 39	21 32	0 21	19 16	2 46	0 55	1 14	18 11		n.a.
T 9	22 27	17 56	4 45	22 11	1 30	24 18	1 53	24 19	0 57	16 5	0 44	4 18	2 35	0 48	0 39	21 32	0 21	19 16	2 46	0 58	1 16	18 11		n.a.
W10	22 35	15 58	4 10	21 56	1 45	24 7	1 53	24 22	0 57	16 4	0 44	4 18	2 35	0 48	0 39	21 33	0 21	19 16	2 46	1 1	1 17	18 12		n.a.
T 11	22 42	13 3	3 20	21 41	2 0	23 56	1 52	24 25	0 58	16 2	0 44	4 18	2 34	0 48	0 39	21 33	0 21	19 16	2 46	1 3	1 18	18 12		n.a.
F 12	22 49	9 29	2 20	21 26	2 14	23 44	1 51	24 28	0 58	16 1	0 44	4 17	2 34	0 48	0 39	21 33	0 21	19 16	2 46	1 4	1 19	18 13		n.a.
S 13	22 56	5 33	1 14	21 11	2 29	23 31	1 50	24 30	0 58	15 59	0 44	4 17	2 34	0 48	0 39	21 33	0 21	19 16	2 46	1 4	1 21	18 13		n.a.
S 14	23 2	1 27	0 6	20 57	2 44	23 17	1 49	24 33	0 58	15 58	0 43	4 17	2 34	0 48	0 39	21 33	0 21	19 16	2 46	1 4	1 22	18 14		n.a.
M15	23 8	2s36	1n 0	20 43	2 58	23 3	1 48	24 35	0 59	15 56	0 43	4 17	2 33	0 48	0 39	21 34	0 21	19 16	2 46	1 5	1 23	18 14		n.a.
T 16	23 13	6 27	2 2	20 29	3 12	22 49	1 47	24 37	0 59	15 55	0 43	4 16	2 33	0 48	0 39	21 34	0 21	19 15	2 46	1 5	1 25	18 14		n.a.
W17	23 18	9 58	2 58	20 16	3 26	22 33	1 46	24 39	0 59	15 54	0 43	4 16	2 33	0 48	0 39	21 34	0 21	19 15	2 45	1 7	1 26	18 15		n.a.
T 18	23 22	13 3	3 44	20 4	3 39	22 18	1 44	24 40	1 0	15 52	0 43	4 16	2 32	0 48	0 39	21 34	0 21	19 15	2 45	1 10	1 27	18 15		n.a.
F 19	23 27	15 33	4 21	19 52	3 51	22 1	1 43	24 42	1 0	15 51	0 42	4 16	2 32	0 48	0 39	21 35	0 21	19 15	2 45	1 14	1 28	18 16		n.a.
S 20	23 30	17 23	4 46	19 42	4 2	21 44	1 41	24 43	1 0	15 50	0 42	4 16	2 32	0 48	0 39	21 35	0 21	19 15	2 45	1 19	1 30	18 16		n.a.
S 21	23 34	18 29	4 58	19 32	4 12	21 26	1 39	24 44	1 0	15 49	0 42	4 16	2 32	0 48	0 39	21 35	0 21	19 15	2 45	1 24	1 31	18 16		n.a.
M22	23 36	18 45	4 58	19 24	4 21	21 8	1 37	24 45	1 1	15 48	0 42	4 16	2 31	0 48	0 39	21 35	0 22	19 15	2 45	1 30	1 32	18 17		n.a.
T 23	23 39	18 13	4 44	19 17	4 28	20 50	1 35	24 45	1 1	15 47	0 41	4 16	2 31	0 49	0 39	21 36	0 22	19 15	2 45	1 35	1 34	18 17		n.a.
W24	23 41	16 51	4 18	19 11	4 34	20 30	1 33	24 46	1 1	15 45	0 41	4 16	2 31	0 49	0 39	21 36	0 22	19 15	2 45	1 39	1 35	18 18		n.a.
T 25	23 43	14 45	3 40	19 6	4 38	20 11	1 31	24 46	1 1	15 45	0 41	4 17	2 31	0 49	0 39	21 36	0 22	19 14	2 44	1 43	1 36	18 18		n.a.
F 26	23 44	11 58	2 52	19 3	4 41	19 50	1 29	24 46	1 2	15 44	0 41	4 17	2 30	0 49	0 39	21 37	0 22	19 14	2 44	1 45	1 37	18 18		n.a.
S 27	23 45	8 37	1 54	19 2	4 42	19 30	1 27	24 46	1 2	15 43	0 40	4 17	2 30	0 49	0 39	21 37	0 22	19 14	2 44	1 47	1 39	18 19		n.a.
S 28	23 45	4 48	0 50	19 2	4 41	19 9	1 24	24 46	1 2	15 42	0 40	4 17	2 30	0 50	0 39	21 37	0 22	19 14	2 44	1 47	1 40	18 19		n.a.
M29	23 45	0 41	0s18	19 3	4 39	18 47	1 22	24 45	1 2	15 41	0 40	4 18	2 30	0 50	0 38	21 37	0 22	19 14	2 44	1 47	1 41	18 19		n.a.
T 30	23n44	3n36	1s28	19n 6	4s34	18n25	1n19	24n45	1n 3	15s40	0n40	4s18	2n29	0s50	0n38	21s38	0s22	19s14	2n44	1n47	1n42	18s20		n.a.

Julian Day Number = 1553194.5, Delta T = 04h29m23s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°26'01, Lahiri = -10°19'00 Julian Calendar 1 June 461 BCE == Greg. Calendar 27 May 461 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

JULY 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 14 23	2♋31'22	26♈ 6	24°R58	14♌ 4	4♋ 1	14°R 9	16♎34	3♎33	25°R41	8°R 0	25°R32	25♍42	21♐15	n.a.	W 1
T 2	18 18 20	3°28'48	10♉19	24♊28	15°12	4°40	14♏ 6	16°35	3°34	25♏40	7♐58	25♍28	25°39	21°22	n.a.	T 2
F 3	18 22 16	4°26'14	24°58	24° 3	16°21	5°18	14° 4	16°36	3°34	25°38	7°57	25°22	25°36	21°29	n.a.	F 3
S 4	18 26 13	5°23'42	9♊58	23°44	17°29	5°56	14° 1	16°36	3°35	25°37	7°56	25°14	25°33	21°35	n.a.	S 4
S 5	18 30 10	6°21'12	25°12	23°30	18°37	6°34	13°59	16°37	3°36	25°35	7°55	25° 3	25°30	21°42	n.a.	S 5
M 6	18 34 6	7°18'43	10♋28	23°22	19°44	7°13	13°57	16°38	3°37	25°34	7°53	24°53	25°26	21°49	n.a.	M 6
T 7	18 38 3	8°16'15	25°36	23°D21	20°52	7°51	13°55	16°39	3°38	25°32	7°52	24°43	25°23	21°55	n.a.	T 7
W 8	18 41 59	9°13'48	10♌25	23°26	22° 0	8°29	13°53	16°40	3°39	25°31	7°51	24°35	25°20	22° 2	n.a.	W 8
T 9	18 45 56	10°11'22	24°49	23°38	23° 7	9° 7	13°52	16°41	3°40	25°29	7°50	24°30	25°17	22° 9	n.a.	T 9
F 10	18 49 52	11° 8'57	8♍45	23°58	24°14	9°46	13°50	16°42	3°41	25°28	7°48	24°27	25°14	22°16	n.a.	F 10
S 11	18 53 49	12° 6'33	22°11	24°24	25°22	10°24	13°49	16°44	3°43	25°26	7°47	24°D26	25°10	22°22	n.a.	S 11
S 12	18 57 45	13° 4'11	5♎11	24°57	26°29	11° 2	13°48	16°45	3°44	25°25	7°46	24°26	25° 7	22°29	n.a.	S 12
M13	19 1 42	14° 1'49	17°48	25°37	27°35	11°40	13°48	16°47	3°45	25°23	7°45	24°R27	25° 4	22°36	n.a.	M13
T 14	19 5 39	14°59'28	0♏ 7	26°24	28°42	12°18	13°47	16°48	3°47	25°21	7°44	24°25	25° 1	22°42	n.a.	T 14
W15	19 9 35	15°57'09	12°13	27°18	29°49	12°57	13°47	16°50	3°48	25°20	7°43	24°22	24°58	22°49	n.a.	W15
T 16	19 13 32	16°54'51	24°11	28°18	0♍55	13°35	13°46	16°52	3°49	25°18	7°42	24°17	24°55	22°56	n.a.	T 16
F 17	19 17 28	17°52'35	6♐ 4	29°25	2° 1	14°13	13°D46	16°54	3°51	25°16	7°41	24° 9	24°51	23° 3	n.a.	F 17
S 18	19 21 25	18°50'19	17°56	0♋37	3° 7	14°51	13°46	16°56	3°53	25°15	7°40	23°59	24°48	23° 9	n.a.	S 18
S 19	19 25 21	19°48'05	29°50	1°56	4°13	15°30	13°47	16°58	3°54	25°13	7°39	23°47	24°45	23°16	n.a.	S 19
M20	19 29 18	20°45'53	11♑46	3°20	5°19	16° 8	13°47	17° 0	3°56	25°12	7°38	23°35	24°42	23°23	n.a.	M20
T 21	19 33 14	21°43'42	23°47	4°49	6°25	16°46	13°48	17° 2	3°57	25°10	7°37	23°24	24°39	23°30	n.a.	T 21
W22	19 37 11	22°41'33	5♒54	6°22	7°30	17°24	13°49	17° 5	3°59	25° 8	7°36	23°14	24°36	23°36	n.a.	W22
T 23	19 41 8	23°39'25	18° 8	8° 0	8°35	18° 2	13°50	17° 7	4° 1	25° 7	7°35	23° 7	24°32	23°43	n.a.	T 23
F 24	19 45 4	24°37'19	0♓31	9°42	9°40	18°41	13°51	17°10	4° 3	25° 5	7°34	23° 2	24°29	23°50	n.a.	F 24
S 25	19 49 1	25°35'15	13° 5	11°27	10°45	19°19	13°53	17°12	4° 5	25° 3	7°33	23° 0	24°26	23°56	n.a.	S 25
S 26	19 52 57	26°33'13	25°51	13°15	11°50	19°57	13°54	17°15	4° 7	25° 2	7°32	22°D59	24°23	24° 3	n.a.	S 26
M27	19 56 54	27°31'13	8♈52	15° 6	12°54	20°35	13°56	17°18	4° 9	25° 0	7°31	23° 0	24°20	24°10	n.a.	M27
T 28	20 0 50	28°29'15	22°12	16°58	13°58	21°13	13°58	17°21	4°11	24°58	7°30	23°R 1	24°16	24°17	n.a.	T 28
W29	20 4 47	29°27'19	5♉53	18°52	15° 2	21°52	14° 1	17°24	4°13	24°57	7°30	23° 1	24°13	24°23	n.a.	W29
T 30	20 8 43	0♌25'25	19°56	20°48	16° 6	22°30	14° 3	17°27	4°15	24°55	7°29	22°59	24°10	24°30	n.a.	T 30
F 31	20 12 40	1♌23'33	4♊20	22♋44	17♍10	23♋ 8	14♏ 5	17♎30	4♎17	24♏54	7♐28	22♍55	24♍ 7	24♐37	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23n43	7n49	2s34	19n11	4s28	18n 2	1n16	24n44	1n 3	15s40	0n40	4s18	2n29	0s50	0n38	21s38	0s22	19s14	2n44	1n48	1n44	18s20			n.a.
T 2	23 42	11 44	3 33	19 17	4 21	17 39	1 14	24 43	1 3	15 39	0 39	4 19	2 29	0 51	0 38	21 38	0 22	19 14	2 44	1 49	1 45	18 21			n.a.
F 3	23 40	15 3	4 20	19 25	4 12	17 16	1 11	24 42	1 3	15 39	0 39	4 19	2 28	0 51	0 38	21 39	0 22	19 14	2 43	1 52	1 46	18 21			n.a.
S 4	23 38	17 27	4 51	19 35	4 2	16 52	1 8	24 40	1 4	15 38	0 39	4 20	2 28	0 52	0 38	21 39	0 22	19 14	2 43	1 55	1 48	18 21			n.a.
S 5	23 36	18 39	5 1	19 45	3 50	16 28	1 5	24 39	1 4	15 38	0 39	4 20	2 28	0 52	0 38	21 39	0 22	19 14	2 43	1 59	1 49	18 22			n.a.
M 6	23 33	18 31	4 50	19 58	3 38	16 3	1 1	24 37	1 4	15 37	0 38	4 21	2 28	0 52	0 38	21 40	0 22	19 14	2 43	2 4	1 50	18 22			n.a.
T 7	23 29	17 3	4 19	20 11	3 24	15 38	0 58	24 35	1 4	15 37	0 38	4 22	2 27	0 53	0 38	21 40	0 22	19 14	2 43	2 7	1 51	18 22			n.a.
W 8	23 25	14 28	3 31	20 25	3 10	15 13	0 55	24 33	1 4	15 37	0 38	4 22	2 27	0 53	0 38	21 40	0 22	19 13	2 43	2 11	1 53	18 23			n.a.
T 9	23 21	11 4	2 30	20 41	2 55	14 47	0 51	24 30	1 5	15 36	0 38	4 23	2 27	0 54	0 38	21 40	0 22	19 13	2 43	2 13	1 54	18 23			n.a.
F 10	23 16	7 8	1 22	20 57	2 40	14 22	0 48	24 28	1 5	15 36	0 37	4 24	2 27	0 54	0 38	21 41	0 22	19 13	2 42	2 14	1 55	18 23			n.a.
S 11	23 11	2 57	0 12	21 14	2 24	13 55	0 44	24 25	1 5	15 36	0 37	4 25	2 26	0 55	0 38	21 41	0 22	19 13	2 42	2 14	1 56	18 24			n.a.
S 12	23 6	1s13	0n57	21 31	2 8	13 29	0 40	24 22	1 5	15 36	0 37	4 25	2 26	0 55	0 38	21 41	0 22	19 13	2 42	2 14	1 58	18 24			n.a.
M13	23 0	5 13	2 1	21 49	1 52	13 2	0 36	24 19	1 5	15 36	0 37	4 26	2 26	0 56	0 38	21 42	0 22	19 13	2 42	2 14	1 59	18 24			n.a.
T 14	22 54	8 53	2 58	22 6	1 36	12 35	0 32	24 16	1 6	15 36	0 36	4 27	2 26	0 56	0 38	21 42	0 22	19 13	2 42	2 15	2 0	18 25			n.a.
W15	22 47	12 8	3 45	22 23	1 20	12 7	0 28	24 12	1 6	15 36	0 36	4 28	2 25	0 57	0 38	21 42	0 22	19 13	2 42	2 16	2 2	18 25			n.a.
T 16	22 40	14 49	4 22	22 40	1 4	11 40	0 24	24 8	1 6	15 36	0 36	4 29	2 25	0 58	0 38	21 43	0 22	19 13	2 41	2 18	2 3	18 25			n.a.
F 17	22 32	16 52	4 48	22 56	0 49	11 12	0 20	24 5	1 6	15 36	0 36	4 30	2 25	0 58	0 38	21 43	0 22	19 13	2 41	2 21	2 4	18 26			n.a.
S 18	22 24	18 12	5 1	23 11	0 34	10 44	0 15	24 1	1 6	15 37	0 36	4 31	2 24	0 59	0 38	21 43	0 22	19 13	2 41	2 25	2 5	18 26			n.a.
S 19	22 16	18 44	5 1	23 25	0 19	10 15	0 11	23 56	1 7	15 37	0 35	4 32	2 24	1 0	0 38	21 44	0 22	19 13	2 41	2 30	2 7	18 26			n.a.
M20	22 7	18 26	4 48	23 37	0 5	9 47	0 7	23 52	1 7	15 37	0 35	4 33	2 24	1 0	0 38	21 44	0 22	19 13	2 41	2 35	2 8	18 27			n.a.
T 21	21 58	17 20	4 22	23 48	0n 8	9 18	0 2	23 47	1 7	15 38	0 35	4 34	2 24	1 1	0 38	21 44	0 22	19 13	2 41	2 39	2 9	18 27			n.a.
W22	21 49	15 26	3 44	23 56	0 21	8 49	0s 3	23 43	1 7	15 38	0 35	4 35	2 23	1 2	0 38	21 45	0 22	19 13	2 41	2 43	2 11	18 27			n.a.
T 23	21 39	12 49	2 55	24 3	0 32	8 20	0 7	23 38	1 7	15 39	0 34	4 37	2 23	1 3	0 38	21 45	0 22	19 13	2 40	2 46	2 12	18 27			n.a.
F 24	21 29	9 36	1 57	24 7	0 43	7 51	0 12	23 33	1 8	15 40	0 34	4 38	2 23	1 3	0 38	21 45	0 22	19 13	2 40	2 48	2 13	18 28			n.a.
S 25	21 18	5 55	0 53	24 8	0 54	7 22	0 17	23 27	1 8	15 40	0 34	4 39	2 23	1 4	0 37	21 45	0 22	19 13	2 40	2 49	2 14	18 28			n.a.
S 26	21 7	1 54	0s15	24 7	1 3	6 52	0 22	23 22	1 8	15 41	0 34	4 40	2 22	1 5	0 37	21 46	0 22	19 13	2 40	2 49	2 16	18 28			n.a.
M27	20 56	2n16	1 24	24 4	1 11	6 23	0 27	23 16	1 8	15 42	0 33	4 42	2 22	1 6	0 37	21 46	0 22	19 13	2 40	2 49	2 17	18 29			n.a.
T 28	20 44	6 26	2 30	23 57	1 19	5 53	0 32	23 10	1 8	15 43	0 33	4 43	2 22	1 7	0 37	21 46	0 22	19 13	2 40	2 48	2 18	18 29			n.a.
W29	20 32	10 22	3 29	23 48	1 25	5 23	0 38	23 4	1 8	15 43	0 33	4 44	2 22	1 8	0 37	21 47	0 22	19 13	2 39	2 48	2 19	18 29			n.a.
T 30	20 19	13 49	4 18	23 37	1 31	4 54	0 43	22 58	1 9	15 44	0 33	4 46	2 21	1 8	0 37	21 47	0 22	19 13	2 39	2 49	2 21	18 29			n.a.
F 31	20n 6	16n31	4s51	23n23	1n36	4n24	0s48	22n52	1n 9	15s45	0n33	4s47	2n21	1s 9	0n37	21s47	0s22	19s13	2n39	2n51	2n22	18s30			n.a.

Julian Day Number = 1553224.5, Delta T = 04h29m22s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'57, Lahiri = -10°18'56 Julian Calendar 1 July 461 BCE == Greg. Calendar 26 June 461 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

AUGUST 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 16 37	2♌21'44	19♊ 3	24♋41	18♍13	23♋46	14♏ 8	17♎33	4♎19	24°R52	7°R27	22°R50	24♍ 4	24♐44	n.a.	S 1
S 2	20 20 33	3°19'56	3♋59	26°38	19°16	24°25	14°11	17°37	4°21	24♑50	7♐27	22♍43	24° 1	24°50	n.a.	S 2
M 3	20 24 30	4°18'11	19° 0	28°35	20°19	25° 3	14°14	17°40	4°24	24°49	7°26	22°35	23°57	24°57	n.a.	M 3
T 4	20 28 26	5°16'27	3♌56	0♌32	21°21	25°41	14°18	17°43	4°26	24°47	7°25	22°28	23°54	25° 4	n.a.	T 4
W 5	20 32 23	6°14'45	18°39	2°28	22°24	26°19	14°21	17°47	4°28	24°45	7°25	22°23	23°51	25°10	n.a.	W 5
T 6	20 36 19	7°13'06	3♍ 1	4°24	23°26	26°58	14°25	17°51	4°31	24°44	7°24	22°19	23°48	25°17	n.a.	T 6
F 7	20 40 16	8°11'27	16°58	6°19	24°27	27°36	14°28	17°54	4°33	24°42	7°24	22°D18	23°45	25°24	n.a.	F 7
S 8	20 44 12	9° 9'51	0♎28	8°14	25°29	28°14	14°32	17°58	4°36	24°41	7°23	22°18	23°42	25°31	n.a.	S 8
S 9	20 48 9	10° 8'16	13°32	10° 7	26°30	28°52	14°37	18° 2	4°38	24°39	7°23	22°19	23°38	25°37	n.a.	S 9
M10	20 52 5	11° 6'43	26°13	12° 0	27°31	29°31	14°41	18° 6	4°41	24°38	7°22	22°20	23°35	25°44	n.a.	M10
T 11	20 56 2	12° 5'12	8♏35	13°52	28°31	0♌ 9	14°45	18°10	4°44	24°36	7°22	22°R21	23°32	25°51	n.a.	T 11
W12	20 59 59	13° 3'43	20°43	15°42	29°32	0°47	14°50	18°14	4°46	24°34	7°21	22°21	23°29	25°58	n.a.	W12
T 13	21 3 55	14° 2'15	2♐41	17°32	0♎31	1°26	14°55	18°18	4°49	24°33	7°21	22°19	23°26	26° 4	n.a.	T 13
F 14	21 7 52	15° 0'49	14°34	19°21	1°31	2° 4	15° 0	18°23	4°52	24°31	7°21	22°16	23°22	26°11	n.a.	F 14
S 15	21 11 48	15°59'25	26°27	21° 8	2°30	2°42	15° 5	18°27	4°54	24°30	7°20	22°11	23°19	26°18	n.a.	S 15
S 16	21 15 45	16°58'03	8♑22	22°55	3°29	3°20	15°10	18°31	4°57	24°28	7°20	22° 5	23°16	26°24	n.a.	S 16
M17	21 19 41	17°56'43	20°23	24°40	4°27	3°59	15°16	18°36	5° 0	24°27	7°20	21°59	23°13	26°31	n.a.	M17
T 18	21 23 38	18°55'25	2♒31	26°25	5°25	4°37	15°22	18°40	5° 3	24°26	7°19	21°53	23°10	26°38	n.a.	T 18
W19	21 27 34	19°54'08	14°50	28° 8	6°22	5°15	15°27	18°45	5° 6	24°24	7°19	21°48	23° 7	26°45	n.a.	W19
T 20	21 31 31	20°52'54	27°18	29°50	7°19	5°54	15°33	18°50	5° 9	24°23	7°19	21°44	23° 3	26°51	n.a.	T 20
F 21	21 35 28	21°51'42	9♓58	1♍32	8°16	6°32	15°40	18°55	5°12	24°21	7°19	21°42	23° 0	26°58	n.a.	F 21
S 22	21 39 24	22°50'32	22°49	3°12	9°12	7°10	15°46	18°59	5°15	24°20	7°19	21°D41	22°57	27° 5	n.a.	S 22
S 23	21 43 21	23°49'24	5♈53	4°52	10° 7	7°49	15°52	19° 4	5°18	24°18	7°19	21°42	22°54	27°11	n.a.	S 23
M24	21 47 17	24°48'19	19°10	6°30	11° 2	8°27	15°59	19° 9	5°21	24°17	7°19	21°43	22°51	27°18	n.a.	M24
T 25	21 51 14	25°47'16	2♉40	8° 8	11°57	9° 5	16° 6	19°14	5°24	24°16	7°D19	21°45	22°47	27°25	n.a.	T 25
W26	21 55 10	26°46'15	16°25	9°45	12°51	9°44	16°12	19°19	5°27	24°14	7°19	21°46	22°44	27°32	n.a.	W26
T 27	21 59 7	27°45'17	0♊24	11°20	13°44	10°22	16°19	19°24	5°30	24°13	7°19	21°R46	22°41	27°38	n.a.	T 27
F 28	22 3 3	28°44'21	14°37	12°55	14°37	11° 0	16°27	19°30	5°33	24°12	7°19	21°46	22°38	27°45	n.a.	F 28
S 29	22 7 0	29°43'28	29° 1	14°29	15°29	11°39	16°34	19°35	5°37	24°11	7°19	21°44	22°35	27°52	n.a.	S 29
S 30	22 10 56	0♍42'38	13♋33	16° 3	16°21	12°17	16°41	19°40	5°40	24° 9	7°19	21°41	22°32	27°59	n.a.	S 30
M31	22 14 53	1♍41'50	28♋ 7	17♍35	17♎12	12♌56	16♏49	19♎46	5♎43	24♑ 8	7♐19	21♍39	22♍28	28♐ 5	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n53	18n12	5s 6	23n 6	1n40	3n54	0s54	22n45	1n 9	15s46	0n32	4s49	2n21	1s10	0n37	21s48	0s22	19s13	2n39	2n53	2n23	18s30		n.a.
S 2	19 40	18 40	5 1	22 47	1 43	3 24	0 59	22 39	1 9	15 47	0 32	4 50	2 21	1 11	0 37	21 48	0 22	19 14	2 39	2 56	2 25	18 30		n.a.
M 3	19 26	17 50	4 35	22 26	1 45	2 54	1 5	22 32	1 9	15 49	0 32	4 52	2 20	1 12	0 37	21 48	0 22	19 14	2 39	2 59	2 26	18 31		n.a.
T 4	19 12	15 47	3 51	22 2	1 47	2 24	1 11	22 25	1 9	15 50	0 32	4 53	2 20	1 13	0 37	21 49	0 22	19 14	2 38	3 1	2 27	18 31		n.a.
W 5	18 57	12 43	2 51	21 37	1 48	1 53	1 16	22 18	1 9	15 51	0 31	4 55	2 20	1 14	0 37	21 49	0 22	19 14	2 38	3 4	2 28	18 31		n.a.
T 6	18 42	8 56	1 42	21 9	1 48	1 23	1 22	22 10	1 10	15 52	0 31	4 56	2 20	1 15	0 37	21 49	0 22	19 14	2 38	3 5	2 30	18 31		n.a.
F 7	18 27	4 46	0 29	20 40	1 48	0 53	1 28	22 3	1 10	15 54	0 31	4 58	2 19	1 16	0 37	21 49	0 22	19 14	2 38	3 6	2 31	18 32		n.a.
S 8	18 12	0 29	0n44	20 9	1 47	0 23	1 34	21 55	1 10	15 55	0 31	5 0	2 19	1 17	0 37	21 50	0 22	19 14	2 38	3 6	2 32	18 32		n.a.
S 9	17 56	3s41	1 53	19 37	1 45	0s 7	1 40	21 47	1 10	15 57	0 31	5 1	2 19	1 18	0 37	21 50	0 22	19 14	2 37	3 5	2 33	18 32		n.a.
M10	17 40	7 33	2 54	19 4	1 43	0 37	1 46	21 40	1 10	15 58	0 30	5 3	2 19	1 19	0 37	21 50	0 22	19 14	2 37	3 5	2 35	18 32		n.a.
T 11	17 23	11 0	3 45	18 29	1 41	1 6	1 52	21 31	1 10	16 0	0 30	5 5	2 19	1 20	0 37	21 51	0 22	19 14	2 37	3 4	2 36	18 33		n.a.
W12	17 7	13 54	4 25	17 53	1 38	1 36	1 58	21 23	1 10	16 1	0 30	5 7	2 18	1 21	0 37	21 51	0 22	19 14	2 37	3 4	2 37	18 33		n.a.
T 13	16 50	16 11	4 53	17 16	1 34	2 6	2 4	21 15	1 11	16 3	0 30	5 9	2 18	1 22	0 37	21 51	0 22	19 14	2 37	3 5	2 39	18 33		n.a.
F 14	16 32	17 45	5 8	16 38	1 30	2 35	2 10	21 6	1 11	16 4	0 30	5 10	2 18	1 24	0 37	21 51	0 22	19 15	2 37	3 7	2 40	18 33		n.a.
S 15	16 15	18 32	5 10	16 0	1 26	3 5	2 16	20 57	1 11	16 6	0 29	5 12	2 18	1 25	0 37	21 52	0 22	19 15	2 36	3 8	2 41	18 34		n.a.
S 16	15 57	18 31	4 58	15 20	1 22	3 34	2 22	20 49	1 11	16 8	0 29	5 14	2 17	1 26	0 37	21 52	0 22	19 15	2 36	3 11	2 42	18 34		n.a.
M17	15 39	17 40	4 34	14 40	1 17	4 3	2 29	20 40	1 11	16 10	0 29	5 16	2 17	1 27	0 37	21 52	0 22	19 15	2 36	3 13	2 44	18 34		n.a.
T 18	15 21	16 1	3 56	14 0	1 12	4 33	2 35	20 30	1 11	16 12	0 29	5 18	2 17	1 28	0 37	21 53	0 22	19 15	2 36	3 16	2 45	18 34		n.a.
W19	15 2	13 36	3 8	13 19	1 6	5 1	2 41	20 21	1 11	16 14	0 28	5 20	2 17	1 29	0 37	21 53	0 22	19 15	2 36	3 18	2 46	18 34		n.a.
T 20	14 43	10 32	2 9	12 37	1 1	5 30	2 48	20 12	1 11	16 16	0 28	5 22	2 17	1 31	0 37	21 53	0 22	19 15	2 36	3 19	2 47	18 35		n.a.
F 21	14 24	6 57	1 4	11 55	0 55	5 59	2 54	20 2	1 11	16 18	0 28	5 24	2 16	1 32	0 37	21 53	0 22	19 16	2 35	3 20	2 49	18 35		n.a.
S 22	14 5	2 59	0s 6	11 13	0 49	6 27	3 0	19 52	1 12	16 20	0 28	5 26	2 16	1 33	0 37	21 54	0 22	19 16	2 35	3 20	2 50	18 35		n.a.
S 23	13 45	1n11	1 17	10 31	0 43	6 55	3 7	19 42	1 12	16 22	0 28	5 28	2 16	1 34	0 37	21 54	0 22	19 16	2 35	3 20	2 51	18 35		n.a.
M24	13 25	5 22	2 25	9 48	0 36	7 23	3 13	19 32	1 12	16 24	0 27	5 30	2 16	1 36	0 37	21 54	0 22	19 16	2 35	3 19	2 53	18 36		n.a.
T 25	13 5	9 20	3 26	9 5	0 30	7 50	3 20	19 22	1 12	16 26	0 27	5 32	2 16	1 37	0 37	21 54	0 22	19 16	2 35	3 19	2 54	18 36		n.a.
W26	12 45	12 52	4 17	8 22	0 23	8 18	3 26	19 12	1 12	16 28	0 27	5 34	2 15	1 38	0 36	21 55	0 22	19 16	2 34	3 18	2 55	18 36		n.a.
T 27	12 24	15 43	4 53	7 39	0 16	8 45	3 33	19 1	1 12	16 30	0 27	5 37	2 15	1 39	0 36	21 55	0 22	19 17	2 34	3 18	2 56	18 36		n.a.
F 28	12 4	17 41	5 12	6 56	0 9	9 12	3 39	18 51	1 12	16 33	0 27	5 39	2 15	1 41	0 36	21 55	0 22	19 17	2 34	3 19	2 58	18 36		n.a.
S 29	11 43	18 33	5 12	6 13	0 2	9 38	3 46	18 40	1 12	16 35	0 27	5 41	2 15	1 42	0 36	21 55	0 22	19 17	2 34	3 19	2 59	18 36		n.a.
S 30	11 22	18 12	4 52	5 30	0s 5	10 4	3 52	18 29	1 12	16 37	0 26	5 43	2 15	1 43	0 36	21 56	0 22	19 17	2 34	3 20	3 0	18 37		n.a.
M31	11n 0	16n40	4s13	4n47	0s12	10s30	3s58	18n18	1n12	16s40	0n26	5s45	2n14	1s45	0n36	21s56	0s22	19s17	2n34	3n21	3n 1	18s37		n.a.

Julian Day Number = 1553255.5, Delta T = 04h29m20s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'52, Lahiri = -10°18'52 Julian Calendar 1 Aug. 461 BCE == Greg. Calendar 27 July 461 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

SEPTEMBER 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 18 50	2♍41'03	12♌39	19♍ 7	18♎ 2	13♌34	16♏57	19♎51	5♎46	24°R 7	7♐19	21°R36	22♍25	28♐12	n.a.	T 1
W 2	22 22 46	3°40'20	27° 1	20°37	18°52	14°12	17° 5	19°57	5°50	24♑ 6	7°20	21♍34	22°22	28°19	n.a.	W 2
T 3	22 26 43	4°39'38	11♍ 8	22° 7	19°41	14°51	17°13	20° 2	5°53	24° 5	7°20	21°33	22°19	28°25	n.a.	T 3
F 4	22 30 39	5°38'59	24°56	23°36	20°29	15°29	17°21	20° 8	5°56	24° 3	7°20	21°D33	22°16	28°32	n.a.	F 4
S 5	22 34 36	6°38'21	8♎22	25° 4	21°16	16° 8	17°29	20°14	6° 0	24° 2	7°20	21°33	22°13	28°39	n.a.	S 5
S 6	22 38 32	7°37'46	21°26	26°32	22° 2	16°46	17°37	20°19	6° 3	24° 1	7°21	21°34	22° 9	28°46	n.a.	S 6
M 7	22 42 29	8°37'12	4♏ 9	27°58	22°48	17°25	17°46	20°25	6° 7	24° 0	7°21	21°35	22° 6	28°52	n.a.	M 7
T 8	22 46 25	9°36'41	16°34	29°23	23°33	18° 3	17°55	20°31	6°10	23°59	7°21	21°37	22° 3	28°59	n.a.	T 8
W 9	22 50 22	10°36'11	28°44	0♎48	24°16	18°42	18° 3	20°37	6°14	23°58	7°22	21°37	22° 0	29° 6	n.a.	W 9
T 10	22 54 19	11°35'44	10♐44	2°12	24°59	19°20	18°12	20°43	6°17	23°57	7°22	21°R38	21°57	29°13	n.a.	T 10
F 11	22 58 15	12°35'18	22°38	3°35	25°41	19°58	18°21	20°49	6°21	23°56	7°23	21°37	21°53	29°19	n.a.	F 11
S 12	23 2 12	13°34'54	4♑31	4°56	26°21	20°37	18°31	20°55	6°24	23°55	7°23	21°37	21°50	29°26	n.a.	S 12
S 13	23 6 8	14°34'32	16°27	6°17	27° 1	21°15	18°40	21° 1	6°28	23°54	7°24	21°36	21°47	29°33	n.a.	S 13
M14	23 10 5	15°34'12	28°31	7°36	27°39	21°54	18°49	21° 7	6°31	23°53	7°25	21°35	21°44	29°39	n.a.	M14
T 15	23 14 1	16°33'54	10♒46	8°55	28°17	22°32	18°59	21°13	6°35	23°53	7°25	21°34	21°41	29°46	n.a.	T 15
W16	23 17 58	17°33'37	23°14	10°12	28°52	23°11	19° 8	21°19	6°38	23°52	7°26	21°34	21°38	29°53	n.a.	W16
T 17	23 21 54	18°33'23	5♓57	11°27	29°27	23°49	19°18	21°25	6°42	23°51	7°27	21°34	21°34	29°59	n.a.	T 17
F 18	23 25 51	19°33'11	18°55	12°42	0♏ 0	24°28	19°28	21°32	6°46	23°50	7°27	21°D33	21°31	0♑ 6	n.a.	F 18
S 19	23 29 47	20°33'00	2♈10	13°54	0°32	25° 7	19°38	21°38	6°49	23°49	7°28	21°34	21°28	0°13	n.a.	S 19
S 20	23 33 44	21°32'52	15°39	15° 5	1° 2	25°45	19°48	21°44	6°53	23°49	7°29	21°R34	21°25	0°20	n.a.	S 20
M21	23 37 41	22°32'46	29°21	16°14	1°31	26°24	19°58	21°51	6°57	23°48	7°30	21°33	21°22	0°26	n.a.	M21
T 22	23 41 37	23°32'42	13♉14	17°21	1°59	27° 2	20° 9	21°57	7° 0	23°47	7°30	21°33	21°18	0°33	n.a.	T 22
W23	23 45 34	24°32'41	27°15	18°26	2°24	27°41	20°19	22° 4	7° 4	23°47	7°31	21°33	21°15	0°40	n.a.	W23
T 24	23 49 30	25°32'42	11♊22	19°28	2°48	28°19	20°29	22°10	7° 8	23°46	7°32	21°33	21°12	0°47	n.a.	T 24
F 25	23 53 27	26°32'45	25°33	20°28	3°10	28°58	20°40	22°17	7°11	23°46	7°33	21°D33	21° 9	0°53	n.a.	F 25
S 26	23 57 23	27°32'51	9♋46	21°24	3°31	29°37	20°51	22°23	7°15	23°45	7°34	21°33	21° 6	1° 0	n.a.	S 26
S 27	0 1 20	28°32'59	23°57	22°17	3°49	0♍15	21° 1	22°30	7°19	23°45	7°35	21°33	21° 3	1° 7	n.a.	S 27
M28	0 5 16	29°33'09	8♌ 6	23° 6	4° 6	0°54	21°12	22°37	7°23	23°44	7°36	21°34	20°59	1°14	n.a.	M28
T 29	0 9 13	0♎33'21	22° 8	23°51	4°20	1°33	21°23	22°43	7°26	23°44	7°37	21°35	20°56	1°20	n.a.	T 29
W30	0 13 10	1♎33'36	6♍ 1	24♎31	4♏33	2♍11	21♏34	22♎50	7♎30	23♑43	7♐38	21♍35	20♍53	1♑27	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n39	14n 4	3s18	4n 4	0s19	10s55	4s 5	18n 7	1n12	16s42	0n26	5s48	2n14	1s46	0n36	21s56	0s22	19s18	2n33	3n22	3n 3	18s37		n.a.
W 2	10 17	10 37	2 11	3 22	0 26	11 21	4 11	17 56	1 13	16 44	0 26	5 50	2 14	1 47	0 36	21 56	0 22	19 18	2 33	3 23	3 4	18 37		n.a.
T 3	9 55	6 36	0 57	2 39	0 33	11 45	4 18	17 45	1 13	16 47	0 26	5 52	2 14	1 49	0 36	21 56	0 22	19 18	2 33	3 24	3 5	18 37		n.a.
F 4	9 33	2 19	0n19	1 57	0 41	12 10	4 24	17 33	1 13	16 49	0 25	5 54	2 14	1 50	0 36	21 57	0 22	19 18	2 33	3 24	3 7	18 38		n.a.
S 5	9 11	1s58	1 32	1 15	0 48	12 34	4 30	17 22	1 13	16 52	0 25	5 57	2 14	1 51	0 36	21 57	0 22	19 18	2 33	3 23	3 8	18 38		n.a.
S 6	8 49	6 2	2 38	0 33	0 55	12 57	4 36	17 10	1 13	16 54	0 25	5 59	2 13	1 53	0 36	21 57	0 22	19 19	2 33	3 23	3 9	18 38		n.a.
M 7	8 27	9 42	3 35	0s 8	1 2	13 20	4 43	16 58	1 13	16 57	0 25	6 1	2 13	1 54	0 36	21 57	0 22	19 19	2 32	3 23	3 10	18 38		n.a.
T 8	8 4	12 52	4 20	0 49	1 9	13 43	4 49	16 46	1 13	17 0	0 25	6 4	2 13	1 56	0 36	21 57	0 22	19 19	2 32	3 22	3 12	18 38		n.a.
W 9	7 41	15 23	4 52	1 29	1 17	14 5	4 55	16 34	1 13	17 2	0 25	6 6	2 13	1 57	0 36	21 58	0 22	19 19	2 32	3 22	3 13	18 38		n.a.
T 10	7 18	17 13	5 11	2 10	1 24	14 27	5 1	16 22	1 13	17 5	0 24	6 8	2 13	1 58	0 36	21 58	0 22	19 20	2 32	3 22	3 14	18 39		n.a.
F 11	6 55	18 16	5 17	2 49	1 31	14 48	5 7	16 10	1 13	17 8	0 24	6 11	2 13	2 0	0 36	21 58	0 22	19 20	2 32	3 22	3 15	18 39		n.a.
S 12	6 32	18 32	5 9	3 28	1 37	15 8	5 13	15 58	1 13	17 10	0 24	6 13	2 12	2 1	0 36	21 58	0 22	19 20	2 31	3 22	3 17	18 39		n.a.
S 13	6 9	17 58	4 48	4 7	1 44	15 28	5 18	15 45	1 13	17 13	0 24	6 16	2 12	2 3	0 36	21 58	0 22	19 20	2 31	3 22	3 18	18 39		n.a.
M14	5 46	16 35	4 14	4 45	1 51	15 48	5 24	15 33	1 13	17 16	0 24	6 18	2 12	2 4	0 36	21 58	0 22	19 21	2 31	3 23	3 19	18 39		n.a.
T 15	5 22	14 26	3 27	5 22	1 57	16 7	5 29	15 20	1 13	17 19	0 23	6 21	2 12	2 6	0 36	21 59	0 22	19 21	2 31	3 23	3 20	18 39		n.a.
W16	4 59	11 35	2 31	5 59	2 4	16 25	5 35	15 7	1 13	17 22	0 23	6 23	2 12	2 7	0 36	21 59	0 22	19 21	2 31	3 23	3 22	18 39		n.a.
T 17	4 35	8 7	1 26	6 35	2 10	16 42	5 40	14 54	1 13	17 24	0 23	6 26	2 12	2 9	0 36	21 59	0 22	19 22	2 31	3 23	3 23	18 40		n.a.
F 18	4 11	4 13	0 15	7 9	2 16	16 59	5 45	14 41	1 13	17 27	0 23	6 28	2 12	2 10	0 36	21 59	0 22	19 22	2 30	3 23	3 24	18 40		n.a.
S 19	3 47	0 1	0s59	7 43	2 22	17 15	5 50	14 28	1 13	17 30	0 23	6 31	2 11	2 12	0 36	21 59	0 22	19 22	2 30	3 23	3 26	18 40		n.a.
S 20	3 24	4n15	2 10	8 16	2 27	17 31	5 55	14 15	1 13	17 33	0 23	6 33	2 11	2 13	0 36	21 59	0 22	19 22	2 30	3 23	3 27	18 40		n.a.
M21	3 0	8 21	3 15	8 48	2 32	17 45	6 0	14 2	1 13	17 36	0 22	6 36	2 11	2 14	0 36	21 59	0 22	19 23	2 30	3 23	3 28	18 40		n.a.
T 22	2 36	12 3	4 9	9 19	2 37	17 59	6 4	13 48	1 13	17 39	0 22	6 38	2 11	2 16	0 36	21 59	0 22	19 23	2 30	3 23	3 29	18 40		n.a.
W23	2 12	15 6	4 49	9 48	2 41	18 12	6 8	13 35	1 13	17 42	0 22	6 41	2 11	2 17	0 36	22 0	0 22	19 23	2 30	3 24	3 31	18 40		n.a.
T 24	1 48	17 17	5 12	10 16	2 45	18 25	6 12	13 21	1 13	17 45	0 22	6 43	2 11	2 19	0 36	22 0	0 22	19 24	2 29	3 24	3 32	18 40		n.a.
F 25	1 23	18 24	5 16	10 42	2 49	18 36	6 16	13 8	1 14	17 48	0 22	6 46	2 11	2 20	0 36	22 0	0 22	19 24	2 29	3 24	3 33	18 40		n.a.
S 26	0 59	18 23	5 1	11 6	2 52	18 46	6 19	12 54	1 14	17 51	0 22	6 48	2 11	2 22	0 36	22 0	0 22	19 24	2 29	3 24	3 34	18 41		n.a.
S 27	0 35	17 12	4 28	11 29	2 55	18 56	6 23	12 40	1 14	17 54	0 22	6 51	2 11	2 23	0 36	22 0	0 22	19 25	2 29	3 23	3 36	18 41		n.a.
M28	0 11	14 58	3 38	11 49	2 56	19 4	6 25	12 26	1 14	17 57	0 21	6 54	2 10	2 25	0 36	22 0	0 22	19 25	2 29	3 23	3 37	18 41		n.a.
T 29	0s13	11 51	2 36	12 7	2 58	19 12	6 28	12 12	1 14	18 0	0 21	6 56	2 10	2 26	0 36	22 0	0 22	19 25	2 28	3 23	3 38	18 41		n.a.
W30	0s38	8n 6	1s25	12s23	2s58	19s18	6s30	11n58	1n14	18s 3	0n21	6s59	2n10	2s28	0n36	22s 0	0s22	19s26	2n28	3n23	3n39	18s41		n.a.

Julian Day Number = 1553286.5, Delta T = 04h29m19s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'48, Lahiri = -10°18'48 Julian Calendar 1 Sept. 461 BCE == Greg. Calendar 27 Aug. 461 BCE

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

OCTOBER 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 17 6	2♎33'52	19♍44	25♎ 6	4♏43	2♍50	21♏46	22♎57	7♎34	23°R43	7♐39	21°R36	20♍50	1♉34	n.a.	T 1
F 2	0 21 3	3°34'10	3♎12	25°36	4°51	3°29	21°57	23° 3	7°38	23♉43	7°40	21♍35	20°47	1°40	n.a.	F 2
S 3	0 24 59	4°34'30	16°24	25°58	4°57	4° 7	22° 8	23°10	7°41	23°42	7°41	21°35	20°44	1°47	n.a.	S 3
S 4	0 28 56	5°34'52	29°20	26°14	5° 1	4°46	22°20	23°17	7°45	23°42	7°43	21°33	20°40	1°54	n.a.	S 4
M 5	0 32 52	6°35'16	11♏59	26°R22	5°R 2	5°25	22°31	23°24	7°49	23°42	7°44	21°31	20°37	2° 1	n.a.	M 5
T 6	0 36 49	7°35'42	24°23	26°22	5° 1	6° 4	22°43	23°31	7°53	23°42	7°45	21°28	20°34	2° 7	n.a.	T 6
W 7	0 40 45	8°36'09	6♐34	26°12	4°57	6°42	22°54	23°37	7°56	23°42	7°46	21°26	20°31	2°14	n.a.	W 7
T 8	0 44 42	9°36'37	18°34	25°53	4°51	7°21	23° 6	23°44	8° 0	23°42	7°47	21°24	20°28	2°21	n.a.	T 8
F 9	0 48 38	10°37'07	0♑28	25°24	4°43	8° 0	23°18	23°51	8° 4	23°41	7°49	21°23	20°24	2°27	n.a.	F 9
S 10	0 52 35	11°37'39	12°20	24°45	4°32	8°38	23°30	23°58	8° 8	23°41	7°50	21°D22	20°21	2°34	n.a.	S 10
S 11	0 56 32	12°38'12	24°15	23°56	4°19	9°17	23°42	24° 5	8°12	23°D41	7°51	21°23	20°18	2°41	n.a.	S 11
M12	1 0 28	13°38'46	6♒18	22°57	4° 3	9°56	23°54	24°12	8°15	23°41	7°53	21°24	20°15	2°48	n.a.	M12
T 13	1 4 25	14°39'22	18°33	21°51	3°45	10°35	24° 6	24°19	8°19	23°41	7°54	21°26	20°12	2°54	n.a.	T 13
W14	1 8 21	15°39'59	1♓ 5	20°37	3°24	11°14	24°18	24°26	8°23	23°42	7°56	21°27	20° 9	3° 1	n.a.	W14
T 15	1 12 18	16°40'37	13°57	19°19	3° 2	11°52	24°31	24°33	8°27	23°42	7°57	21°28	20° 5	3° 8	n.a.	T 15
F 16	1 16 14	17°41'17	27°10	17°58	2°37	12°31	24°43	24°40	8°30	23°42	7°59	21°R28	20° 2	3°14	n.a.	F 16
S 17	1 20 11	18°41'59	10♈45	16°37	2°10	13°10	24°55	24°47	8°34	23°42	8° 0	21°27	19°59	3°21	n.a.	S 17
S 18	1 24 7	19°42'41	24°39	15°19	1°41	13°49	25° 8	24°54	8°38	23°42	8° 2	21°25	19°56	3°28	n.a.	S 18
M19	1 28 4	20°43'26	8♉51	14° 6	1°11	14°28	25°20	25° 1	8°41	23°42	8° 3	21°21	19°53	3°35	n.a.	M19
T 20	1 32 1	21°44'11	23°13	13° 1	0°39	15° 7	25°33	25° 8	8°45	23°43	8° 5	21°16	19°49	3°41	n.a.	T 20
W21	1 35 57	22°44'59	7♊42	12° 6	0° 6	15°45	25°46	25°15	8°49	23°43	8° 6	21°11	19°46	3°48	n.a.	W21
T 22	1 39 54	23°45'48	22°10	11°21	29♎31	16°24	25°58	25°22	8°52	23°43	8° 8	21° 7	19°43	3°55	n.a.	T 22
F 23	1 43 50	24°46'39	6♋33	10°48	28°56	17° 3	26°11	25°29	8°56	23°44	8° 9	21° 4	19°40	4° 2	n.a.	F 23
S 24	1 47 47	25°47'31	20°47	10°26	28°20	17°42	26°24	25°36	9° 0	23°44	8°11	21°D 3	19°37	4° 8	n.a.	S 24
S 25	1 51 43	26°48'26	4♌50	10°D16	27°44	18°21	26°37	25°43	9° 3	23°45	8°13	21° 3	19°34	4°15	n.a.	S 25
M26	1 55 40	27°49'21	18°42	10°17	27° 8	19° 0	26°50	25°50	9° 7	23°45	8°14	21° 4	19°30	4°22	n.a.	M26
T 27	1 59 36	28°50'18	2♍21	10°29	26°31	19°39	27° 3	25°57	9°11	23°46	8°16	21° 6	19°27	4°28	n.a.	T 27
W28	2 3 33	29°51'17	15°48	10°49	25°56	20°18	27°16	26° 4	9°14	23°46	8°18	21°R 7	19°24	4°35	n.a.	W28
T 29	2 7 30	0♏52'17	29° 3	11°19	25°20	20°57	27°29	26°11	9°18	23°47	8°20	21° 7	19°21	4°42	n.a.	T 29
F 30	2 11 26	1°53'18	12♎ 7	11°57	24°46	21°36	27°42	26°18	9°21	23°48	8°21	21° 5	19°18	4°49	n.a.	F 30
S 31	2 15 23	2♏54'20	25♎ 0	12♎41	24♎12	22♍15	27♏55	26♎25	9♎25	23♉48	8♐23	21♍ 1	19♍15	4♉55	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	1s 2	3n58	0s10	12s35	2s58	19s23	6s32	11n44	1n14	18s 6	0n21	7s 1	2n10	2s29	0n36	22s 0	0s22	19s26	2n28	3n22	3n41	18s41			n.a.
F 2	1 26	0s19	1n 4	12 45	2 56	19 27	6 33	11 30	1 13	18 9	0 21	7 4	2 10	2 31	0 36	22 0	0 22	19 26	2 28	3 23	3 42	18 41			n.a.
S 3	1 50	4 29	2 13	12 51	2 54	19 30	6 34	11 16	1 13	18 12	0 21	7 6	2 10	2 32	0 36	22 0	0 22	19 27	2 28	3 23	3 43	18 41			n.a.
S 4	2 15	8 22	3 14	12 53	2 50	19 32	6 35	11 1	1 13	18 16	0 20	7 9	2 10	2 34	0 36	22 0	0 22	19 27	2 28	3 24	3 45	18 41			n.a.
M 5	2 39	11 46	4 4	12 52	2 45	19 33	6 35	10 47	1 13	18 19	0 20	7 12	2 10	2 35	0 36	22 0	0 22	19 27	2 27	3 24	3 46	18 41			n.a.
T 6	3 3	14 34	4 41	12 45	2 39	19 32	6 34	10 32	1 13	18 22	0 20	7 14	2 10	2 37	0 36	22 0	0 22	19 28	2 27	3 25	3 47	18 41			n.a.
W 7	3 27	16 41	5 5	12 35	2 31	19 30	6 33	10 18	1 13	18 25	0 20	7 17	2 10	2 39	0 36	22 0	0 22	19 28	2 27	3 26	3 48	18 41			n.a.
T 8	3 51	18 1	5 15	12 19	2 21	19 26	6 32	10 3	1 13	18 28	0 20	7 20	2 10	2 40	0 36	22 1	0 22	19 28	2 27	3 27	3 50	18 42			n.a.
F 9	4 15	18 33	5 11	11 57	2 10	19 21	6 30	9 49	1 13	18 31	0 20	7 22	2 9	2 42	0 36	22 1	0 22	19 29	2 27	3 28	3 51	18 42			n.a.
S 10	4 39	18 17	4 55	11 31	1 57	19 15	6 27	9 34	1 13	18 34	0 20	7 25	2 9	2 43	0 36	22 1	0 22	19 29	2 27	3 28	3 52	18 42			n.a.
S 11	5 3	17 12	4 25	10 59	1 42	19 7	6 23	9 19	1 13	18 38	0 19	7 27	2 9	2 45	0 36	22 1	0 22	19 30	2 27	3 28	3 53	18 42			n.a.
M12	5 27	15 20	3 44	10 21	1 25	18 58	6 19	9 4	1 13	18 41	0 19	7 30	2 9	2 46	0 36	22 1	0 22	19 30	2 26	3 27	3 55	18 42			n.a.
T 13	5 51	12 45	2 51	9 39	1 7	18 47	6 15	8 49	1 13	18 44	0 19	7 33	2 9	2 48	0 36	22 1	0 22	19 30	2 26	3 26	3 56	18 42			n.a.
W14	6 15	9 31	1 50	8 54	0 48	18 35	6 9	8 34	1 13	18 47	0 19	7 35	2 9	2 49	0 36	22 0	0 22	19 31	2 26	3 26	3 57	18 42			n.a.
T 15	6 38	5 46	0 41	8 5	0 28	18 21	6 3	8 19	1 13	18 50	0 19	7 38	2 9	2 51	0 36	22 0	0 22	19 31	2 26	3 25	3 58	18 42			n.a.
F 16	7 2	1 37	0s31	7 15	0 7	18 5	5 56	8 4	1 13	18 53	0 19	7 41	2 9	2 52	0 36	22 0	0 22	19 31	2 26	3 25	4 0	18 42			n.a.
S 17	7 25	2n43	1 44	6 24	0n13	17 49	5 48	7 49	1 13	18 57	0 19	7 43	2 9	2 54	0 36	22 0	0 22	19 32	2 26	3 26	4 1	18 42			n.a.
S 18	7 48	7 1	2 52	5 35	0 34	17 31	5 40	7 34	1 13	19 0	0 18	7 46	2 9	2 55	0 36	22 0	0 22	19 32	2 25	3 27	4 2	18 42			n.a.
M19	8 12	10 59	3 51	4 49	0 53	17 11	5 31	7 19	1 13	19 3	0 18	7 48	2 9	2 56	0 36	22 0	0 22	19 33	2 25	3 28	4 4	18 42			n.a.
T 20	8 35	14 22	4 36	4 7	1 11	16 50	5 21	7 3	1 13	19 6	0 18	7 51	2 9	2 58	0 36	22 0	0 22	19 33	2 25	3 30	4 5	18 42			n.a.
W21	8 58	16 53	5 3	3 31	1 27	16 29	5 10	6 48	1 13	19 9	0 18	7 54	2 9	2 59	0 36	22 0	0 22	19 33	2 25	3 32	4 6	18 42			n.a.
T 22	9 20	18 19	5 12	3 0	1 42	16 6	4 59	6 33	1 13	19 12	0 18	7 56	2 9	3 1	0 36	22 0	0 22	19 34	2 25	3 34	4 7	18 42			n.a.
F 23	9 43	18 35	5 1	2 35	1 54	15 42	4 47	6 17	1 12	19 16	0 18	7 59	2 9	3 2	0 36	22 0	0 22	19 34	2 25	3 35	4 9	18 42			n.a.
S 24	10 6	17 39	4 31	2 17	2 5	15 17	4 34	6 2	1 12	19 19	0 18	8 2	2 9	3 4	0 36	22 0	0 22	19 35	2 25	3 36	4 10	18 42			n.a.
S 25	10 28	15 39	3 46	2 5	2 13	14 51	4 21	5 46	1 12	19 22	0 18	8 4	2 9	3 5	0 36	22 0	0 22	19 35	2 24	3 35	4 11	18 42			n.a.
M26	10 50	12 46	2 47	1 59	2 20	14 25	4 8	5 31	1 12	19 25	0 17	8 7	2 9	3 7	0 36	22 0	0 22	19 35	2 24	3 35	4 12	18 42			n.a.
T 27	11 12	9 13	1 40	1 59	2 25	13 59	3 53	5 15	1 12	19 28	0 17	8 9	2 9	3 8	0 36	22 0	0 22	19 36	2 24	3 34	4 14	18 42			n.a.
W28	11 34	5 14	0 29	2 4	2 28	13 32	3 39	5 0	1 12	19 31	0 17	8 12	2 9	3 10	0 36	22 0	0 22	19 36	2 24	3 34	4 15	18 42			n.a.
T 29	11 56	1 2	0n43	2 14	2 30	13 5	3 24	4 44	1 12	19 35	0 17	8 14	2 9	3 11	0 36	22 0	0 22	19 37	2 24	3 34	4 16	18 42			n.a.
F 30	12 17	3s 9	1 51	2 28	2 31	12 38	3 9	4 28	1 12	19 38	0 17	8 17	2 9	3 12	0 36	21 59	0 22	19 37	2 24	3 35	4 17	18 42			n.a.
S 31	12s38	7s 7	2n53	2s46	2n31	12s11	2s53	4n13	1n12	19s41	0n17	8s20	2n 9	3s14	0n36	21s59	0s22	19s38	2n24	3n37	4n19	18s42			n.a.

Julian Day Number = 1553316.5, Delta T = 04h29m18s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'44, Lahiri = -10°18'44 Julian Calendar 1 Oct. 461 BCE == Greg. Calendar 26 Sept. 461 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

NOVEMBER 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 19 19	3♏55'24	7♏40	13♎32	23°R40	22♍54	28♏ 9	26♎32	9♎29	23♉49	8♐25	20°R54	19♍11	5♉ 2	n.a.	S 1
M 2	2 23 16	4°56'28	20° 9	14°28	23♎10	23°33	28°22	26°39	9°32	23°50	8°27	20♍46	19° 8	5° 9	n.a.	M 2
T 3	2 27 12	5°57'34	2♐26	15°29	22°41	24°12	28°35	26°46	9°36	23°50	8°28	20°37	19° 5	5°15	n.a.	T 3
W 4	2 31 9	6°58'40	14°33	16°33	22°14	24°51	28°49	26°53	9°39	23°51	8°30	20°28	19° 2	5°22	n.a.	W 4
T 5	2 35 5	7°59'47	26°32	17°42	21°49	25°30	29° 2	27° 0	9°42	23°52	8°32	20°20	18°59	5°29	n.a.	T 5
F 6	2 39 2	9° 0'55	8♉24	18°54	21°26	26° 9	29°16	27° 7	9°46	23°53	8°34	20°13	18°55	5°36	n.a.	F 6
S 7	2 42 59	10° 2'03	20°14	20° 8	21° 5	26°48	29°29	27°14	9°49	23°54	8°36	20° 9	18°52	5°42	n.a.	S 7
S 8	2 46 55	11° 3'12	2♒ 7	21°24	20°46	27°27	29°43	27°21	9°53	23°55	8°38	20° 6	18°49	5°49	n.a.	S 8
M 9	2 50 52	12° 4'22	14° 6	22°43	20°30	28° 6	29°56	27°28	9°56	23°56	8°40	20°D 6	18°46	5°56	n.a.	M 9
T 10	2 54 48	13° 5'32	26°17	24° 3	20°17	28°45	0♐10	27°34	9°59	23°57	8°42	20° 7	18°43	6° 2	n.a.	T 10
W11	2 58 45	14° 6'42	8♓46	25°25	20° 5	29°24	0°23	27°41	10° 3	23°58	8°44	20° 8	18°40	6° 9	n.a.	W11
T 12	3 2 41	15° 7'53	21°37	26°48	19°57	0♎ 3	0°37	27°48	10° 6	23°59	8°46	20°R 8	18°36	6°16	n.a.	T 12
F 13	3 6 38	16° 9'04	4♈54	28°12	19°50	0°42	0°51	27°55	10° 9	24° 0	8°47	20° 7	18°33	6°23	n.a.	F 13
S 14	3 10 34	17°10'15	18°38	29°37	19°47	1°21	1° 4	28° 2	10°12	24° 1	8°49	20° 4	18°30	6°29	n.a.	S 14
S 15	3 14 31	18°11'27	2♉48	1♏ 4	19°D45	2° 0	1°18	28° 8	10°16	24° 2	8°51	19°58	18°27	6°36	n.a.	S 15
M16	3 18 28	19°12'40	17°22	2°30	19°46	2°39	1°32	28°15	10°19	24° 3	8°53	19°50	18°24	6°43	n.a.	M16
T 17	3 22 24	20°13'52	2♊12	3°58	19°50	3°18	1°46	28°22	10°22	24° 5	8°55	19°40	18°21	6°49	n.a.	T 17
W18	3 26 21	21°15'06	17° 9	5°26	19°56	3°57	1°59	28°29	10°25	24° 6	8°57	19°30	18°17	6°56	n.a.	W18
T 19	3 30 17	22°16'20	2♋ 5	6°55	20° 4	4°36	2°13	28°35	10°28	24° 7	8°59	19°21	18°14	7° 3	n.a.	T 19
F 20	3 34 14	23°17'34	16°51	8°24	20°15	5°15	2°27	28°42	10°31	24° 8	9° 1	19°14	18°11	7°10	n.a.	F 20
S 21	3 38 10	24°18'49	1♌20	9°53	20°28	5°55	2°41	28°48	10°34	24°10	9° 4	19° 9	18° 8	7°16	n.a.	S 21
S 22	3 42 7	25°20'05	15°29	11°23	20°43	6°34	2°55	28°55	10°37	24°11	9° 6	19° 7	18° 5	7°23	n.a.	S 22
M23	3 46 3	26°21'21	29°18	12°53	21° 0	7°13	3° 9	29° 1	10°40	24°13	9° 8	19°D 7	18° 1	7°30	n.a.	M23
T 24	3 50 0	27°22'37	12♍47	14°24	21°19	7°52	3°22	29° 8	10°43	24°14	9°10	19°R 7	17°58	7°36	n.a.	T 24
W25	3 53 57	28°23'54	25°58	15°55	21°40	8°31	3°36	29°14	10°46	24°15	9°12	19° 7	17°55	7°43	n.a.	W25
T 26	3 57 53	29°25'12	8♎54	17°27	22° 3	9°10	3°50	29°21	10°48	24°17	9°14	19° 5	17°52	7°50	n.a.	T 26
F 27	4 1 50	0♐26'29	21°38	18°58	22°28	9°49	4° 4	29°27	10°51	24°18	9°16	19° 1	17°49	7°57	n.a.	F 27
S 28	4 5 46	1°27'47	4♏11	20°30	22°55	10°29	4°18	29°34	10°54	24°20	9°18	18°54	17°46	8° 3	n.a.	S 28
S 29	4 9 43	2°29'05	16°35	22° 3	23°23	11° 8	4°32	29°40	10°57	24°21	9°20	18°43	17°42	8°10	n.a.	S 29
M30	4 13 39	3♐30'23	28♏50	23♏35	23♎53	11♎47	4♐46	29♎46	10♎59	24♉23	9♐22	18♍30	17♍39	8♉17	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s59	10s42	3n45	3s 7	2n29	11s45	2s38	3n57	1n12	19s44	0n17	8s22	2n 9	3s15	0n36	21s59	0s22	19s38	2n23	3n39	4n20	18s42		n.a.
M 2	13 20	13 45	4 25	3 31	2 27	11 19	2 22	3 41	1 11	19 47	0 17	8 25	2 9	3 17	0 36	21 59	0 22	19 38	2 23	3 42	4 21	18 42		n.a.
T 3	13 41	16 9	4 52	3 58	2 24	10 53	2 7	3 25	1 11	19 50	0 16	8 27	2 9	3 18	0 36	21 59	0 22	19 39	2 23	3 46	4 22	18 42		n.a.
W 4	14 1	17 47	5 6	4 26	2 20	10 29	1 51	3 10	1 11	19 53	0 16	8 30	2 9	3 19	0 36	21 59	0 22	19 39	2 23	3 49	4 24	18 42		n.a.
T 5	14 21	18 37	5 6	4 57	2 16	10 5	1 35	2 54	1 11	19 56	0 16	8 32	2 9	3 21	0 36	21 59	0 22	19 40	2 23	3 53	4 25	18 42		n.a.
F 6	14 41	18 37	4 52	5 29	2 11	9 42	1 20	2 38	1 11	19 59	0 16	8 35	2 9	3 22	0 36	21 58	0 22	19 40	2 23	3 55	4 26	18 42		n.a.
S 7	15 1	17 49	4 26	6 2	2 6	9 20	1 5	2 22	1 11	20 2	0 16	8 37	2 9	3 23	0 36	21 58	0 22	19 40	2 23	3 57	4 27	18 42		n.a.
S 8	15 20	16 14	3 49	6 36	2 0	8 59	0 50	2 6	1 11	20 5	0 16	8 40	2 9	3 25	0 36	21 58	0 22	19 41	2 22	3 58	4 29	18 42		n.a.
M 9	15 39	13 55	3 1	7 11	1 54	8 39	0 35	1 51	1 10	20 8	0 16	8 42	2 9	3 26	0 36	21 58	0 22	19 41	2 22	3 58	4 30	18 42		n.a.
T 10	15 58	10 58	2 5	7 47	1 48	8 21	0 21	1 35	1 10	20 12	0 16	8 45	2 9	3 27	0 36	21 58	0 22	19 42	2 22	3 58	4 31	18 42		n.a.
W11	16 17	7 27	1 1	8 23	1 41	8 4	0 7	1 19	1 10	20 15	0 16	8 47	2 9	3 29	0 36	21 58	0 22	19 42	2 22	3 58	4 33	18 42		n.a.
T 12	16 35	3 29	0s 8	9 0	1 35	7 48	0n 6	1 3	1 10	20 18	0 15	8 50	2 9	3 30	0 36	21 57	0 22	19 43	2 22	3 57	4 34	18 42		n.a.
F 13	16 53	0n46	1 18	9 37	1 28	7 33	0 20	0 47	1 10	20 21	0 15	8 52	2 9	3 31	0 36	21 57	0 22	19 43	2 22	3 58	4 35	18 42		n.a.
S 14	17 11	5 8	2 26	10 13	1 21	7 20	0 32	0 31	1 10	20 23	0 15	8 54	2 9	3 32	0 36	21 57	0 22	19 43	2 22	3 59	4 36	18 42		n.a.
S 15	17 28	9 21	3 27	10 50	1 14	7 8	0 45	0 15	1 9	20 26	0 15	8 57	2 9	3 34	0 36	21 57	0 22	19 44	2 22	4 1	4 38	18 42		n.a.
M16	17 45	13 8	4 17	11 27	1 7	6 58	0 57	0s 1	1 9	20 29	0 15	8 59	2 9	3 35	0 36	21 57	0 22	19 44	2 21	4 5	4 39	18 42		n.a.
T 17	18 2	16 8	4 50	12 4	0 59	6 48	1 8	0 17	1 9	20 32	0 15	9 1	2 9	3 36	0 36	21 56	0 22	19 45	2 21	4 9	4 40	18 42		n.a.
W18	18 18	18 5	5 3	12 41	0 52	6 40	1 19	0 32	1 9	20 35	0 15	9 4	2 9	3 37	0 36	21 56	0 22	19 45	2 21	4 12	4 41	18 42		n.a.
T 19	18 34	18 48	4 56	13 17	0 45	6 34	1 30	0 48	1 9	20 38	0 15	9 6	2 9	3 39	0 36	21 56	0 22	19 46	2 21	4 16	4 43	18 42		n.a.
F 20	18 50	18 13	4 29	13 53	0 38	6 28	1 40	1 4	1 8	20 41	0 15	9 8	2 9	3 40	0 36	21 56	0 22	19 46	2 21	4 19	4 44	18 42		n.a.
S 21	19 6	16 27	3 46	14 29	0 31	6 24	1 50	1 20	1 8	20 44	0 14	9 11	2 9	3 41	0 36	21 56	0 22	19 46	2 21	4 21	4 45	18 41		n.a.
S 22	19 21	13 43	2 49	15 4	0 23	6 21	1 59	1 36	1 8	20 47	0 14	9 13	2 9	3 42	0 36	21 55	0 22	19 47	2 21	4 22	4 46	18 41		n.a.
M23	19 35	10 15	1 43	15 39	0 16	6 20	2 8	1 52	1 8	20 49	0 14	9 15	2 9	3 43	0 36	21 55	0 22	19 47	2 21	4 22	4 48	18 41		n.a.
T 24	19 50	6 20	0 34	16 13	0 9	6 19	2 16	2 8	1 8	20 52	0 14	9 18	2 9	3 44	0 36	21 55	0 22	19 48	2 21	4 22	4 49	18 41		n.a.
W25	20 4	2 11	0n36	16 47	0 2	6 20	2 24	2 24	1 7	20 55	0 14	9 20	2 9	3 46	0 36	21 55	0 22	19 48	2 20	4 22	4 50	18 41		n.a.
T 26	20 17	2s 0	1 43	17 20	0s 5	6 21	2 32	2 39	1 7	20 58	0 14	9 22	2 9	3 47	0 36	21 54	0 22	19 49	2 20	4 22	4 51	18 41		n.a.
F 27	20 30	6 1	2 43	17 52	0 12	6 24	2 39	2 55	1 7	21 1	0 14	9 24	2 10	3 48	0 36	21 54	0 22	19 49	2 20	4 24	4 53	18 41		n.a.
S 28	20 43	9 43	3 35	18 24	0 18	6 28	2 46	3 11	1 7	21 3	0 14	9 26	2 10	3 49	0 36	21 54	0 22	19 49	2 20	4 27	4 54	18 41		n.a.
S 29	20 56	12 56	4 15	18 55	0 25	6 32	2 52	3 27	1 6	21 6	0 14	9 29	2 10	3 50	0 36	21 53	0 22	19 50	2 20	4 31	4 55	18 41		n.a.
M30	21s 8	15s33	4n43	19s25	0s31	6s38	2n58	3s42	1n 6	21s 9	0n13	9s31	2n10	3s51	0n36	21s53	0s22	19s50	2n20	4n36	4n56	18s41		n.a.

Julian Day Number = 1553347.5, Delta T = 04h29m17s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'40, Lahiri = -10°18'39 Julian Calendar 1 Nov. 461 BCE == Greg. Calendar 27 Oct. 461 BCE

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ASTRODIENST EPHEMERIS for the year 461 BCE
geocentric

DECEMBER 461 BCE (-460) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 17 36	4♐31'41	10♐57	25♏ 8	24♎24	12♎26	5♐ 0	29♎52	11♎ 2	24♉25	9♐24	18°R16	17♍36	8♉23	n.a.	T 1
W 2	4 21 33	5°32'59	22°58	26°42	24°57	13° 5	5°14	29°58	11° 5	24°26	9°26	18♍ 1	17°33	8°30	n.a.	W 2
T 3	4 25 29	6°34'16	4♉53	28°15	25°32	13°45	5°28	0♏ 5	11° 7	24°28	9°28	17°48	17°30	8°37	n.a.	T 3
F 4	4 29 26	7°35'34	16°44	29°49	26° 8	14°24	5°42	0°11	11°10	24°30	9°31	17°36	17°27	8°44	n.a.	F 4
S 5	4 33 22	8°36'50	28°33	1♐24	26°45	15° 3	5°56	0°17	11°12	24°31	9°33	17°27	17°23	8°50	n.a.	S 5
S 6	4 37 19	9°38'07	10♒24	2°59	27°23	15°42	6°10	0°23	11°14	24°33	9°35	17°21	17°20	8°57	n.a.	S 6
M 7	4 41 15	10°39'22	22°21	4°34	28° 3	16°21	6°24	0°29	11°17	24°35	9°37	17°18	17°17	9° 4	n.a.	M 7
T 8	4 45 12	11°40'37	4♓28	6° 9	28°44	17° 1	6°38	0°34	11°19	24°37	9°39	17°17	17°14	9°10	n.a.	T 8
W 9	4 49 8	12°41'51	16°51	7°45	29°26	17°40	6°52	0°40	11°21	24°38	9°41	17°16	17°11	9°17	n.a.	W 9
T 10	4 53 5	13°43'05	29°36	9°22	0♏ 9	18°19	7° 5	0°46	11°24	24°40	9°43	17°16	17° 7	9°24	n.a.	T 10
F 11	4 57 2	14°44'18	12♈46	10°59	0°53	18°58	7°19	0°52	11°26	24°42	9°45	17°14	17° 4	9°31	n.a.	F 11
S 12	5 0 58	15°45'29	26°26	12°36	1°39	19°37	7°33	0°57	11°28	24°44	9°47	17°10	17° 1	9°37	n.a.	S 12
S 13	5 4 55	16°46'41	10♉36	14°14	2°25	20°17	7°47	1° 3	11°30	24°46	9°49	17° 4	16°58	9°44	n.a.	S 13
M14	5 8 51	17°47'51	25°15	15°52	3°12	20°56	8° 1	1° 9	11°32	24°48	9°51	16°54	16°55	9°51	n.a.	M14
T 15	5 12 48	18°49'01	10♊17	17°31	4° 0	21°35	8°15	1°14	11°34	24°49	9°53	16°43	16°52	9°57	n.a.	T 15
W16	5 16 44	19°50'09	25°32	19°11	4°49	22°14	8°29	1°20	11°36	24°51	9°56	16°31	16°48	10° 4	n.a.	W16
T 17	5 20 41	20°51'18	10♋50	20°51	5°39	22°53	8°43	1°25	11°38	24°53	9°58	16°20	16°45	10°11	n.a.	T 17
F 18	5 24 37	21°52'25	25°58	22°31	6°29	23°33	8°56	1°30	11°40	24°55	10° 0	16°11	16°42	10°18	n.a.	F 18
S 19	5 28 34	22°53'32	10♌48	24°12	7°21	24°12	9°10	1°35	11°42	24°57	10° 2	16° 4	16°39	10°24	n.a.	S 19
S 20	5 32 31	23°54'38	25°14	25°54	8°13	24°51	9°24	1°41	11°44	24°59	10° 4	16° 1	16°36	10°31	n.a.	S 20
M21	5 36 27	24°55'44	9♍13	27°36	9° 6	25°30	9°38	1°46	11°45	25° 1	10° 6	16° 0	16°33	10°38	n.a.	M21
T 22	5 40 24	25°56'49	22°46	29°19	9°59	26°10	9°51	1°51	11°47	25° 3	10° 8	16° 0	16°29	10°44	n.a.	T 22
W23	5 44 20	26°57'53	5♎55	1♉ 2	10°53	26°49	10° 5	1°56	11°49	25° 5	10°10	16° 0	16°26	10°51	n.a.	W23
T 24	5 48 17	27°58'57	18°44	2°46	11°48	27°28	10°19	2° 1	11°50	25° 7	10°12	15°58	16°23	10°58	n.a.	T 24
F 25	5 52 13	29° 0'00	1♏17	4°30	12°44	28° 7	10°32	2° 6	11°52	25°10	10°14	15°54	16°20	11° 5	n.a.	F 25
S 26	5 56 10	0♉ 1'02	13°38	6°15	13°39	28°47	10°46	2°10	11°53	25°12	10°16	15°47	16°17	11°11	n.a.	S 26
S 27	6 0 6	1° 2'03	25°49	8° 0	14°36	29°26	10°59	2°15	11°55	25°14	10°18	15°37	16°13	11°18	n.a.	S 27
M28	6 4 3	2° 3'03	7♐52	9°45	15°33	0♏ 5	11°13	2°20	11°56	25°16	10°20	15°25	16°10	11°25	n.a.	M28
T 29	6 8 0	3° 4'02	19°51	11°31	16°31	0°44	11°27	2°24	11°57	25°18	10°22	15°11	16° 7	11°31	n.a.	T 29
W30	6 11 56	4° 5'00	1♉45	13°17	17°29	1°24	11°40	2°29	11°58	25°20	10°24	14°57	16° 4	11°38	n.a.	W30
T 31	6 15 53	5♉ 5'57	13♉37	15♉ 3	18♏27	2♏ 3	11♐53	2♏33	12♎ 0	25♉22	10♐26	14♍43	16♍ 1	11♉45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s19	17s28	4n58	19s54	0s38	6s44	3n 4	3s58	1n 6	21s11	0n13	9s33	2n10	3s52	0n36	21s53	0s22	19s51	2n20	4n42	4n58	18s41			n.a.
W 2	21 30	18 35	4 59	20 23	0 44	6 51	3 9	4 14	1 5	21 14	0 13	9 35	2 10	3 53	0 36	21 53	0 22	19 51	2 20	4 48	4 59	18 40			n.a.
T 3	21 41	18 53	4 47	20 50	0 50	6 59	3 14	4 29	1 5	21 17	0 13	9 37	2 10	3 54	0 36	21 52	0 22	19 51	2 20	4 53	5 0	18 40			n.a.
F 4	21 51	18 20	4 23	21 17	0 56	7 8	3 18	4 45	1 5	21 19	0 13	9 39	2 10	3 55	0 36	21 52	0 22	19 52	2 20	4 58	5 1	18 40			n.a.
S 5	22 1	17 0	3 47	21 43	1 2	7 18	3 23	5 1	1 5	21 22	0 13	9 41	2 10	3 56	0 36	21 52	0 22	19 52	2 19	5 1	5 3	18 40			n.a.
S 6	22 11	14 57	3 2	22 7	1 7	7 28	3 27	5 16	1 4	21 24	0 13	9 43	2 10	3 57	0 36	21 51	0 22	19 53	2 19	5 4	5 4	18 40			n.a.
M 7	22 20	12 14	2 8	22 31	1 12	7 39	3 30	5 32	1 4	21 27	0 13	9 45	2 10	3 58	0 36	21 51	0 22	19 53	2 19	5 5	5 5	18 40			n.a.
T 8	22 29	8 57	1 7	22 53	1 18	7 50	3 34	5 47	1 4	21 29	0 13	9 47	2 11	3 59	0 36	21 51	0 22	19 53	2 19	5 5	5 6	18 40			n.a.
W 9	22 37	5 13	0 2	23 15	1 23	8 2	3 37	6 3	1 3	21 32	0 13	9 49	2 11	3 59	0 36	21 50	0 22	19 54	2 19	5 5	5 8	18 40			n.a.
T 10	22 44	1 9	1s 5	23 35	1 27	8 15	3 39	6 18	1 3	21 34	0 12	9 51	2 11	4 0	0 36	21 50	0 22	19 54	2 19	5 5	5 9	18 40			n.a.
F 11	22 52	3n 7	2 10	23 54	1 32	8 28	3 42	6 33	1 3	21 37	0 12	9 53	2 11	4 1	0 37	21 50	0 22	19 55	2 19	5 6	5 10	18 39			n.a.
S 12	22 59	7 22	3 11	24 11	1 36	8 42	3 44	6 49	1 2	21 39	0 12	9 55	2 11	4 2	0 37	21 49	0 22	19 55	2 19	5 8	5 11	18 39			n.a.
S 13	23 5	11 22	4 2	24 27	1 40	8 56	3 46	7 4	1 2	21 41	0 12	9 57	2 11	4 3	0 37	21 49	0 22	19 55	2 19	5 10	5 13	18 39			n.a.
M14	23 11	14 48	4 39	24 42	1 44	9 10	3 48	7 19	1 2	21 44	0 12	9 58	2 11	4 4	0 37	21 49	0 22	19 56	2 19	5 14	5 14	18 39			n.a.
T 15	23 16	17 22	4 58	24 56	1 47	9 25	3 49	7 34	1 1	21 46	0 12	10 0	2 11	4 4	0 37	21 48	0 22	19 56	2 18	5 19	5 15	18 39			n.a.
W16	23 21	18 44	4 56	25 8	1 50	9 41	3 51	7 50	1 1	21 48	0 12	10 2	2 11	4 5	0 37	21 48	0 22	19 57	2 18	5 23	5 16	18 39			n.a.
T 17	23 26	18 45	4 33	25 18	1 53	9 56	3 52	8 5	1 1	21 51	0 12	10 4	2 12	4 6	0 37	21 48	0 22	19 57	2 18	5 28	5 18	18 39			n.a.
F 18	23 30	17 26	3 51	25 27	1 55	10 12	3 52	8 20	1 0	21 53	0 12	10 6	2 12	4 7	0 37	21 47	0 22	19 57	2 18	5 31	5 19	18 38			n.a.
S 19	23 33	14 57	2 54	25 35	1 58	10 28	3 53	8 35	1 0	21 55	0 12	10 7	2 12	4 7	0 37	21 47	0 22	19 58	2 18	5 34	5 20	18 38			n.a.
S 20	23 36	11 36	1 47	25 40	1 59	10 45	3 53	8 50	0 59	21 57	0 11	10 9	2 12	4 8	0 37	21 47	0 22	19 58	2 18	5 35	5 21	18 38			n.a.
M21	23 39	7 40	0 36	25 44	2 1	11 2	3 53	9 4	0 59	22 0	0 11	10 11	2 12	4 9	0 37	21 46	0 23	19 59	2 18	5 36	5 23	18 38			n.a.
T 22	23 41	3 27	0n36	25 46	2 2	11 19	3 53	9 19	0 59	22 2	0 11	10 12	2 12	4 9	0 37	21 46	0 23	19 59	2 18	5 36	5 24	18 38			n.a.
W23	23 43	0s48	1 43	25 47	2 2	11 36	3 53	9 34	0 58	22 4	0 11	10 14	2 12	4 10	0 37	21 46	0 23	19 59	2 18	5 36	5 25	18 38			n.a.
T 24	23 44	4 55	2 44	25 45	2 2	11 53	3 53	9 49	0 58	22 6	0 11	10 15	2 12	4 10	0 37	21 45	0 23	20 0	2 18	5 36	5 26	18 37			n.a.
F 25	23 45	8 43	3 35	25 42	2 2	12 10	3 52	10 3	0 57	22 8	0 11	10 17	2 13	4 11	0 37	21 45	0 23	20 0	2 18	5 38	5 28	18 37			n.a.
S 26	23 45	12 4	4 15	25 37	2 1	12 28	3 51	10 18	0 57	22 10	0 11	10 18	2 13	4 12	0 37	21 44	0 23	20 0	2 18	5 41	5 29	18 37			n.a.
S 27	23 45	14 52	4 43	25 29	2 0	12 45	3 50	10 32	0 56	22 12	0 11	10 20	2 13	4 12	0 37	21 44	0 23	20 1	2 18	5 45	5 30	18 37			n.a.
M28	23 44	17 0	4 58	25 20	1 58	13 3	3 49	10 47	0 56	22 14	0 11	10 21	2 13	4 13	0 37	21 44	0 23	20 1	2 17	5 49	5 31	18 37			n.a.
T 29	23 43	18 22	5 0	25 9	1 55	13 21	3 48	11 1	0 55	22 16	0 11	10 23	2 13	4 13	0 37	21 43	0 23	20 1	2 17	5 55	5 33	18 36			n.a.
W30	23 41	18 56	4 48	24 56	1 52	13 39	3 47	11 15	0 55	22 18	0 10	10 24	2 13	4 14	0 37	21 43	0 23	20 2	2 17	6 0	5 34	18 36			n.a.
T 31	23s39	18s40	4n24	24s41	1s48	13s56	3n45	11s29	0n54	22s20	0n10	10s26	2n14	4s14	0n37	21s42	0s23	20s 2	2n17	6n 6	5n35	18s36			n.a.

Julian Day Number = 1553377.5, Delta T = 04h29m15s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'36, Lahiri = -10°18'35 Julian Calendar 1 Dec. 461 BCE == Greg. Calendar 26 Nov. 461 BCE

The year -460 astronomical counting style corresponds to year 461 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

JANUARY 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 19 49	6♑ 6'53	25♑27	16♑49	19♏26	2♏42	12♐ 7	2♏38	12♎ 1	25♑25	10♐28	14°R32	15♍58	11♑52	n.a.	F 1
S 2	6 23 46	7° 7'47	7♒18	18°34	20°26	3°21	12°20	2°42	12° 2	25°27	10°30	14♍23	15°54	11°58	n.a.	S 2
S 3	6 27 42	8° 8'39	19°12	20°19	21°26	4° 0	12°33	2°46	12° 3	25°29	10°32	14°17	15°51	12° 5	n.a.	S 3
M 4	6 31 39	9° 9'30	1♓11	22° 4	22°26	4°40	12°47	2°50	12° 4	25°31	10°33	14°14	15°48	12°12	n.a.	M 4
T 5	6 35 36	10°10'20	13°19	23°47	23°26	5°19	13° 0	2°54	12° 5	25°33	10°35	14°D13	15°45	12°18	n.a.	T 5
W 6	6 39 32	11°11'07	25°41	25°29	24°27	5°58	13°13	2°58	12° 6	25°36	10°37	14°13	15°42	12°25	n.a.	W 6
T 7	6 43 29	12°11'53	8♈21	27° 9	25°29	6°37	13°26	3° 2	12° 6	25°38	10°39	14°R14	15°38	12°32	n.a.	T 7
F 8	6 47 25	13°12'38	21°25	28°47	26°30	7°16	13°39	3° 6	12° 7	25°40	10°41	14°14	15°35	12°39	n.a.	F 8
S 9	6 51 22	14°13'20	4♉55	0♒22	27°32	7°56	13°52	3° 9	12° 8	25°42	10°43	14°12	15°32	12°45	n.a.	S 9
S 10	6 55 18	15°14'01	18°55	1°54	28°35	8°35	14° 5	3°13	12° 9	25°44	10°45	14° 7	15°29	12°52	n.a.	S 10
M11	6 59 15	16°14'40	3♊23	3°22	29°38	9°14	14°18	3°17	12° 9	25°47	10°46	14° 1	15°26	12°59	n.a.	M11
T 12	7 3 11	17°15'17	18°18	4°46	0♐41	9°53	14°31	3°20	12°10	25°49	10°48	13°52	15°23	13° 5	n.a.	T 12
W13	7 7 8	18°15'52	3♋30	6° 5	1°44	10°32	14°44	3°23	12°10	25°51	10°50	13°44	15°19	13°12	n.a.	W13
T 14	7 11 5	19°16'26	18°50	7°18	2°47	11°11	14°57	3°27	12°11	25°53	10°52	13°35	15°16	13°19	n.a.	T 14
F 15	7 15 1	20°16'57	4♌ 7	8°24	3°51	11°51	15° 9	3°30	12°11	25°56	10°53	13°28	15°13	13°26	n.a.	F 15
S 16	7 18 58	21°17'28	19°10	9°23	4°55	12°30	15°22	3°33	12°11	25°58	10°55	13°24	15°10	13°32	n.a.	S 16
S 17	7 22 54	22°17'56	3♍51	10°15	6° 0	13° 9	15°34	3°36	12°12	26° 0	10°57	13°21	15° 7	13°39	n.a.	S 17
M18	7 26 51	23°18'23	18° 4	10°57	7° 4	13°48	15°47	3°39	12°12	26° 3	10°58	13°D21	15° 4	13°46	n.a.	M18
T 19	7 30 47	24°18'49	1♎49	11°31	8° 9	14°27	15°59	3°42	12°12	26° 5	11° 0	13°22	15° 0	13°52	n.a.	T 19
W20	7 34 44	25°19'13	15° 6	11°55	9°14	15° 6	16°12	3°44	12°12	26° 7	11° 2	13°23	14°57	13°59	n.a.	W20
T 21	7 38 40	26°19'35	27°59	12°10	10°20	15°45	16°24	3°47	12°R12	26° 9	11° 3	13°R24	14°54	14° 6	n.a.	T 21
F 22	7 42 37	27°19'56	10♏32	12°R15	11°25	16°24	16°36	3°50	12°12	26°12	11° 5	13°23	14°51	14°12	n.a.	F 22
S 23	7 46 34	28°20'16	22°50	12° 9	12°31	17° 3	16°49	3°52	12°12	26°14	11° 6	13°20	14°48	14°19	n.a.	S 23
S 24	7 50 30	29°20'33	4♐55	11°54	13°37	17°42	17° 1	3°55	12°12	26°16	11° 8	13°14	14°44	14°26	n.a.	S 24
M25	7 54 27	0♒20'49	16°53	11°30	14°43	18°21	17°13	3°57	12°12	26°18	11° 9	13° 8	14°41	14°33	n.a.	M25
T 26	7 58 23	1°21'04	28°45	10°57	15°49	19° 1	17°25	3°59	12°12	26°21	11°11	13° 0	14°38	14°39	n.a.	T 26
W27	8 2 20	2°21'17	10♑36	10°16	16°56	19°40	17°36	4° 1	12°11	26°23	11°12	12°52	14°35	14°46	n.a.	W27
T 28	8 6 16	3°21'27	22°27	9°28	18° 3	20°19	17°48	4° 3	12°11	26°25	11°14	12°44	14°32	14°53	n.a.	T 28
F 29	8 10 13	4°21'36	4♒19	8°35	19° 9	20°58	18° 0	4° 5	12°11	26°28	11°15	12°37	14°29	14°59	n.a.	F 29
S 30	8 14 9	5°21'43	16°15	7°37	20°16	21°37	18°12	4° 7	12°10	26°30	11°17	12°32	14°25	15° 6	n.a.	S 30
S 31	8 18 6	6♒21'48	28♒16	6♒37	21♐24	22♏15	18♐23	4♏ 8	12♎10	26♑32	11♐18	12♍29	14♍22	15♑13	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s36	17s35	3n49	24s23	1s44	14s14	3n43	11s43	0n54	22s22	0n10	10s27	2n14	4s14	0n37	21s42	0s23	20s 2	2n17	6n10	5n36	18s36		n.a.
S 2	23 33	15 44	3 3	24 4	1 38	14 32	3 42	11 57	0 53	22 24	0 10	10 28	2 14	4 15	0 37	21 42	0 23	20 3	2 17	6 13	5 38	18 36		n.a.
S 3	23 30	13 13	2 9	23 43	1 33	14 49	3 40	12 11	0 53	22 26	0 10	10 30	2 14	4 15	0 37	21 41	0 23	20 3	2 17	6 16	5 39	18 36		n.a.
M 4	23 26	10 7	1 9	23 20	1 26	15 7	3 37	12 25	0 52	22 28	0 10	10 31	2 14	4 16	0 37	21 41	0 23	20 4	2 17	6 17	5 40	18 35		n.a.
T 5	23 21	6 34	0 5	22 55	1 19	15 24	3 35	12 39	0 52	22 29	0 10	10 32	2 14	4 16	0 37	21 40	0 23	20 4	2 17	6 17	5 41	18 35		n.a.
W 6	23 16	2 40	1s 1	22 28	1 10	15 41	3 33	12 53	0 51	22 31	0 10	10 33	2 14	4 16	0 37	21 40	0 23	20 4	2 17	6 17	5 43	18 35		n.a.
T 7	23 11	1n26	2 5	22 0	1 2	15 58	3 30	13 6	0 51	22 33	0 10	10 34	2 15	4 17	0 37	21 40	0 23	20 4	2 17	6 17	5 44	18 35		n.a.
F 8	23 5	5 36	3 5	21 31	0 52	16 15	3 28	13 20	0 50	22 35	0 10	10 36	2 15	4 17	0 37	21 39	0 23	20 5	2 17	6 17	5 45	18 34		n.a.
S 9	22 59	9 37	3 57	21 0	0 41	16 32	3 25	13 33	0 50	22 36	0 9	10 37	2 15	4 17	0 37	21 39	0 23	20 5	2 17	6 18	5 46	18 34		n.a.
S 10	22 52	13 14	4 36	20 28	0 30	16 49	3 22	13 46	0 49	22 38	0 9	10 38	2 15	4 17	0 37	21 38	0 23	20 5	2 17	6 20	5 48	18 34		n.a.
M11	22 45	16 12	5 0	19 56	0 17	17 5	3 20	14 0	0 48	22 39	0 9	10 39	2 15	4 18	0 37	21 38	0 23	20 6	2 17	6 22	5 49	18 34		n.a.
T 12	22 37	18 10	5 4	19 23	0 4	17 21	3 17	14 13	0 48	22 41	0 9	10 40	2 16	4 18	0 37	21 38	0 23	20 6	2 17	6 25	5 50	18 34		n.a.
W13	22 29	18 55	4 47	18 51	0n 9	17 37	3 14	14 26	0 47	22 43	0 9	10 41	2 16	4 18	0 37	21 37	0 23	20 6	2 17	6 29	5 51	18 33		n.a.
T 14	22 21	18 17	4 10	18 18	0 24	17 53	3 10	14 39	0 47	22 44	0 9	10 42	2 16	4 18	0 37	21 37	0 23	20 7	2 16	6 32	5 53	18 33		n.a.
F 15	22 12	16 20	3 15	17 46	0 39	18 8	3 7	14 51	0 46	22 46	0 9	10 43	2 16	4 18	0 37	21 36	0 23	20 7	2 16	6 35	5 54	18 33		n.a.
S 16	22 2	13 16	2 6	17 16	0 55	18 23	3 4	15 4	0 45	22 47	0 9	10 44	2 16	4 18	0 37	21 36	0 23	20 7	2 16	6 37	5 55	18 33		n.a.
S 17	21 53	9 26	0 51	16 46	1 11	18 37	3 0	15 17	0 45	22 49	0 9	10 44	2 16	4 18	0 38	21 36	0 23	20 8	2 16	6 37	5 56	18 32		n.a.
M18	21 42	5 10	0n25	16 19	1 27	18 52	2 57	15 29	0 44	22 50	0 9	10 45	2 17	4 18	0 38	21 35	0 23	20 8	2 16	6 38	5 58	18 32		n.a.
T 19	21 32	0 46	1 38	15 54	1 43	19 6	2 53	15 42	0 43	22 52	0 9	10 46	2 17	4 18	0 38	21 35	0 23	20 8	2 16	6 37	5 59	18 32		n.a.
W20	21 21	3s32	2 43	15 32	1 59	19 19	2 50	15 54	0 43	22 53	0 8	10 47	2 17	4 18	0 38	21 34	0 23	20 8	2 16	6 37	6 0	18 32		n.a.
T 21	21 9	7 31	3 37	15 12	2 15	19 33	2 46	16 6	0 42	22 54	0 8	10 48	2 17	4 18	0 38	21 34	0 23	20 9	2 16	6 37	6 1	18 31		n.a.
F 22	20 58	11 4	4 20	14 56	2 31	19 46	2 43	16 18	0 41	22 56	0 8	10 48	2 17	4 18	0 38	21 33	0 23	20 9	2 16	6 37	6 3	18 31		n.a.
S 23	20 46	14 3	4 49	14 43	2 46	19 58	2 39	16 30	0 40	22 57	0 8	10 49	2 18	4 18	0 38	21 33	0 23	20 9	2 16	6 38	6 4	18 31		n.a.
S 24	20 33	16 23	5 5	14 34	3 0	20 10	2 35	16 42	0 40	22 58	0 8	10 50	2 18	4 18	0 38	21 33	0 23	20 9	2 16	6 40	6 5	18 30		n.a.
M25	20 20	17 59	5 8	14 29	3 12	20 22	2 31	16 54	0 39	23 0	0 8	10 50	2 18	4 18	0 38	21 32	0 23	20 10	2 16	6 43	6 6	18 30		n.a.
T 26	20 7	18 47	4 57	14 27	3 24	20 33	2 27	17 5	0 38	23 1	0 8	10 51	2 18	4 18	0 38	21 32	0 23	20 10	2 16	6 46	6 8	18 30		n.a.
W27	19 53	18 46	4 34	14 29	3 33	20 43	2 23	17 17	0 37	23 2	0 8	10 51	2 18	4 18	0 38	21 31	0 23	20 10	2 16	6 49	6 9	18 30		n.a.
T 28	19 39	17 56	3 58	14 34	3 41	20 54	2 19	17 28	0 37	23 3	0 8	10 52	2 19	4 18	0 38	21 31	0 23	20 10	2 16	6 52	6 10	18 29		n.a.
F 29	19 25	16 19	3 13	14 42	3 47	21 3	2 15	17 39	0 36	23 4	0 8	10 52	2 19	4 18	0 38	21 30	0 23	20 11	2 16	6 55	6 11	18 29		n.a.
S 30	19 10	13 59	2 18	14 54	3 50	21 12	2 11	17 50	0 35	23 6	0 7	10 53	2 19	4 17	0 38	21 30	0 23	20 11	2 16	6 56	6 12	18 29		n.a.
S 31	18s55	11s 2	1n17	15s 7	3n52	21s21	2n 7	18s 1	0n34	23s 7	0n 7	10s53	2n19	4s17	0n38	21s30	0s23	20s11	2n16	6n58	6n14	18s29		n.a.

Julian Day Number = 1553408.5, Delta T = 04h29m14s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'32, Lahiri = -10°18'31 Julian Calendar 1 Jan. 460 BCE == Greg. Calendar 27 Dec. 461 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

FEBRUARY 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 22 3	7♒21'50	10♓24	5°R35	22♐31	22♏54	18♐35	4♏10	12°R 9	26♑34	11♐19	12°D28	14♍19	15♑20	n.a.	M 1
T 2	8 25 59	8°21'51	22°42	4♒34	23°38	23°33	18°46	4°12	12♎ 8	26°37	11°21	12♍29	14°16	15°26	n.a.	T 2
W 3	8 29 56	9°21'49	5♈12	3°34	24°46	24°12	18°57	4°13	12° 8	26°39	11°22	12°30	14°13	15°33	n.a.	W 3
T 4	8 33 52	10°21'45	17°57	2°37	25°54	24°51	19° 9	4°14	12° 7	26°41	11°23	12°32	14°10	15°40	n.a.	T 4
F 5	8 37 49	11°21'38	1♉ 1	1°44	27° 1	25°30	19°20	4°16	12° 6	26°43	11°25	12°33	14° 6	15°46	n.a.	F 5
S 6	8 41 45	12°21'30	14°26	0°55	28° 9	26° 9	19°31	4°17	12° 5	26°45	11°26	12°R34	14° 3	15°53	n.a.	S 6
S 7	8 45 42	13°21'18	28°15	0°12	29°17	26°47	19°42	4°18	12° 5	26°48	11°27	12°33	14° 0	16° 0	n.a.	S 7
M 8	8 49 38	14°21'05	12♊29	29♑34	0♑26	27°26	19°52	4°19	12° 4	26°50	11°28	12°31	13°57	16° 6	n.a.	M 8
T 9	8 53 35	15°20'49	27° 5	29° 3	1°34	28° 5	20° 3	4°19	12° 3	26°52	11°29	12°27	13°54	16°13	n.a.	T 9
W10	8 57 31	16°20'31	11♋58	28°38	2°42	28°44	20°14	4°20	12° 2	26°54	11°30	12°24	13°50	16°20	n.a.	W10
T 11	9 1 28	17°20'11	27° 2	28°20	3°51	29°22	20°24	4°21	12° 1	26°56	11°32	12°20	13°47	16°27	n.a.	T 11
F 12	9 5 25	18°19'48	12♌ 8	28° 8	5° 0	0♐ 1	20°35	4°21	12° 0	26°59	11°33	12°17	13°44	16°33	n.a.	F 12
S 13	9 9 21	19°19'23	27° 6	28°D 2	6° 8	0°40	20°45	4°22	11°58	27° 1	11°34	12°16	13°41	16°40	n.a.	S 13
S 14	9 13 18	20°18'56	11♍48	28° 2	7°17	1°18	20°55	4°22	11°57	27° 3	11°35	12°D15	13°38	16°47	n.a.	S 14
M15	9 17 14	21°18'26	26° 7	28° 8	8°26	1°57	21° 5	4°22	11°56	27° 5	11°36	12°15	13°35	16°53	n.a.	M15
T 16	9 21 11	22°17'55	10♎ 1	28°20	9°35	2°36	21°15	4°22	11°55	27° 7	11°37	12°17	13°31	17° 0	n.a.	T 16
W17	9 25 7	23°17'22	23°27	28°37	10°44	3°14	21°25	4°R22	11°53	27° 9	11°38	12°18	13°28	17° 7	n.a.	W17
T 18	9 29 4	24°16'47	6♏29	28°59	11°54	3°53	21°35	4°22	11°52	27°11	11°38	12°19	13°25	17°13	n.a.	T 18
F 19	9 33 0	25°16'10	19° 7	29°26	13° 3	4°31	21°45	4°22	11°51	27°13	11°39	12°20	13°22	17°20	n.a.	F 19
S 20	9 36 57	26°15'32	1♐28	29°58	14°12	5°10	21°54	4°22	11°49	27°15	11°40	12°R20	13°19	17°27	n.a.	S 20
S 21	9 40 54	27°14'51	13°34	0♒34	15°22	5°48	22° 4	4°21	11°48	27°17	11°41	12°19	13°16	17°34	n.a.	S 21
M22	9 44 50	28°14'09	25°31	1°13	16°31	6°27	22°13	4°21	11°46	27°19	11°42	12°18	13°12	17°40	n.a.	M22
T 23	9 48 47	29°13'24	7♑22	1°57	17°41	7° 5	22°22	4°20	11°44	27°21	11°43	12°16	13° 9	17°47	n.a.	T 23
W24	9 52 43	0♓12'38	19°12	2°44	18°51	7°43	22°31	4°20	11°43	27°23	11°43	12°14	13° 6	17°54	n.a.	W24
T 25	9 56 40	1°11'50	1♒ 4	3°34	20° 1	8°22	22°40	4°19	11°41	27°25	11°44	12°13	13° 3	18° 0	n.a.	T 25
F 26	10 0 36	2°10'59	13° 0	4°28	21°10	9° 0	22°49	4°18	11°39	27°27	11°45	12°11	13° 0	18° 7	n.a.	F 26
S 27	10 4 33	3°10'07	25° 4	5°25	22°20	9°38	22°58	4°17	11°38	27°29	11°45	12°10	12°56	18°14	n.a.	S 27
S 28	10 8 29	4♓ 9'12	7♓16	6♒24	23♑30	10♐16	23♐ 7	4♏16	11♎36	27♑31	11♐46	12°D10	12♍53	18♑20	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s40	7s35	0n11	15s23	3n51	21s29	2n 3	18s12	0n33	23s 8	0n 7	10s53	2n19	4s17	0n38	21s29	0s23	20s11	2n16	6n58	6n15	18s28		n.a.
T 2	18 24	3 47	0s56	15 40	3 48	21 37	1 59	18 23	0 32	23 9	0 7	10 54	2 19	4 17	0 38	21 29	0 23	20 12	2 16	6 58	6 16	18 28		n.a.
W 3	18 8	0n14	2 1	15 59	3 44	21 44	1 55	18 33	0 32	23 10	0 7	10 54	2 20	4 16	0 38	21 28	0 23	20 12	2 16	6 57	6 17	18 28		n.a.
T 4	17 52	4 20	3 2	16 18	3 37	21 51	1 50	18 44	0 31	23 11	0 7	10 54	2 20	4 16	0 38	21 28	0 23	20 12	2 16	6 57	6 19	18 27		n.a.
F 5	17 36	8 18	3 55	16 38	3 29	21 57	1 46	18 54	0 30	23 12	0 7	10 54	2 20	4 16	0 38	21 27	0 23	20 12	2 15	6 56	6 20	18 27		n.a.
S 6	17 19	11 58	4 37	16 58	3 20	22 2	1 42	19 4	0 29	23 13	0 7	10 55	2 20	4 15	0 38	21 27	0 23	20 12	2 15	6 56	6 21	18 27		n.a.
S 7	17 2	15 5	5 4	17 18	3 9	22 7	1 38	19 14	0 28	23 14	0 7	10 55	2 20	4 15	0 38	21 27	0 23	20 13	2 15	6 56	6 22	18 26		n.a.
M 8	16 44	17 24	5 14	17 37	2 57	22 11	1 34	19 24	0 27	23 15	0 7	10 55	2 21	4 15	0 38	21 26	0 23	20 13	2 15	6 57	6 24	18 26		n.a.
T 9	16 26	18 39	5 4	17 56	2 44	22 15	1 29	19 34	0 26	23 16	0 6	10 55	2 21	4 14	0 38	21 26	0 23	20 13	2 15	6 58	6 25	18 26		n.a.
W10	16 9	18 40	4 33	18 14	2 31	22 18	1 25	19 44	0 25	23 17	0 6	10 55	2 21	4 14	0 38	21 25	0 23	20 13	2 15	7 0	6 26	18 25		n.a.
T 11	15 50	17 22	3 44	18 31	2 18	22 21	1 21	19 53	0 24	23 18	0 6	10 55	2 21	4 13	0 38	21 25	0 23	20 13	2 15	7 1	6 27	18 25		n.a.
F 12	15 32	14 51	2 38	18 47	2 4	22 23	1 17	20 2	0 23	23 18	0 6	10 55	2 21	4 13	0 38	21 25	0 23	20 14	2 15	7 2	6 29	18 25		n.a.
S 13	15 13	11 21	1 23	19 2	1 50	22 24	1 13	20 12	0 22	23 19	0 6	10 55	2 22	4 12	0 38	21 24	0 23	20 14	2 15	7 3	6 30	18 24		n.a.
S 14	14 54	7 11	0 3	19 16	1 36	22 25	1 8	20 21	0 21	23 20	0 6	10 55	2 22	4 12	0 38	21 24	0 23	20 14	2 15	7 3	6 31	18 24		n.a.
M15	14 35	2 43	1n16	19 28	1 22	22 25	1 4	20 30	0 20	23 21	0 6	10 55	2 22	4 11	0 38	21 23	0 23	20 14	2 15	7 3	6 32	18 24		n.a.
T 16	14 15	1s46	2 27	19 39	1 8	22 24	1 0	20 38	0 19	23 22	0 6	10 55	2 22	4 11	0 38	21 23	0 23	20 14	2 15	7 3	6 34	18 23		n.a.
W17	13 56	6 0	3 28	19 49	0 54	22 23	0 56	20 47	0 18	23 22	0 6	10 55	2 22	4 10	0 38	21 23	0 23	20 14	2 15	7 2	6 35	18 23		n.a.
T 18	13 36	9 49	4 16	19 57	0 41	22 21	0 52	20 55	0 17	23 23	0 6	10 54	2 23	4 10	0 38	21 22	0 23	20 15	2 15	7 2	6 36	18 23		n.a.
F 19	13 16	13 4	4 51	20 4	0 28	22 19	0 48	21 4	0 16	23 24	0 5	10 54	2 23	4 9	0 38	21 22	0 23	20 15	2 15	7 1	6 37	18 22		n.a.
S 20	12 56	15 39	5 10	20 10	0 16	22 16	0 43	21 12	0 15	23 25	0 5	10 54	2 23	4 9	0 38	21 21	0 23	20 15	2 15	7 1	6 38	18 22		n.a.
S 21	12 35	17 30	5 16	20 14	0 3	22 12	0 39	21 20	0 13	23 25	0 5	10 54	2 23	4 8	0 38	21 21	0 23	20 15	2 15	7 1	6 40	18 22		n.a.
M22	12 14	18 33	5 8	20 17	0s 8	22 8	0 35	21 28	0 12	23 26	0 5	10 53	2 23	4 7	0 38	21 21	0 23	20 15	2 15	7 2	6 41	18 21		n.a.
T 23	11 54	18 46	4 46	20 18	0 20	22 3	0 31	21 35	0 11	23 27	0 5	10 53	2 24	4 7	0 38	21 20	0 23	20 15	2 15	7 3	6 42	18 21		n.a.
W24	11 32	18 11	4 13	20 18	0 31	21 57	0 27	21 43	0 10	23 27	0 5	10 52	2 24	4 6	0 38	21 20	0 23	20 15	2 15	7 3	6 43	18 21		n.a.
T 25	11 11	16 47	3 29	20 16	0 41	21 51	0 23	21 50	0 9	23 28	0 5	10 52	2 24	4 5	0 38	21 20	0 23	20 15	2 15	7 4	6 45	18 20		n.a.
F 26	10 50	14 39	2 35	20 13	0 51	21 44	0 19	21 58	0 8	23 28	0 5	10 52	2 24	4 5	0 38	21 19	0 23	20 16	2 15	7 5	6 46	18 20		n.a.
S 27	10 28	11 52	1 33	20 8	1 0	21 37	0 16	22 5	0 6	23 29	0 5	10 51	2 24	4 4	0 38	21 19	0 23	20 16	2 15	7 5	6 47	18 19		n.a.
S 28	10s 7	8s32	0n27	20s 2	1s 9	21s29	0n12	22s12	0n 5	23s30	0n 4	10s50	2n25	4s 3	0n39	21s18	0s23	20s16	2n15	7n 5	6n48	18s19		n.a.

Julian Day Number = 1553439.5, Delta T = 04h29m13s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'27, Lahiri = -10°18'27 Julian Calendar 1 Feb. 460 BCE == Greg. Calendar 27 Jan. 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

MARCH 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 12 26	5♓ 8'15	19♓38	7♒26	24♉40	10♐54	23♐15	4°R15	11°R34	27♉33	11♐46	12♍10	12♍50	18♉27	n.a.	M 1
T 2	10 16 22	6° 7'16	2♈12	8°31	25°51	11°32	23°23	4♏14	11♎32	27°35	11°47	12°10	12°47	18°34	n.a.	T 2
W 3	10 20 19	7° 6'15	14°59	9°38	27° 1	12°10	23°32	4°12	11°30	27°37	11°47	12°11	12°44	18°41	n.a.	W 3
T 4	10 24 16	8° 5'11	28° 0	10°48	28°11	12°48	23°40	4°11	11°28	27°39	11°48	12°11	12°41	18°47	n.a.	T 4
F 5	10 28 12	9° 4'05	11♉16	12° 0	29°21	13°26	23°48	4° 9	11°26	27°41	11°48	12°12	12°37	18°54	n.a.	F 5
S 6	10 32 9	10° 2'57	24°48	13°14	0♒32	14° 4	23°55	4° 8	11°24	27°42	11°49	12°12	12°34	19° 1	n.a.	S 6
S 7	10 36 5	11° 1'46	8♊35	14°30	1°42	14°42	24° 3	4° 6	11°22	27°44	11°49	12°R12	12°31	19° 7	n.a.	S 7
M 8	10 40 2	12° 0'33	22°39	15°48	2°52	15°20	24°11	4° 4	11°20	27°46	11°50	12°D12	12°28	19°14	n.a.	M 8
T 9	10 43 58	12°59'17	6♋58	17° 8	4° 3	15°57	24°18	4° 2	11°18	27°48	11°50	12°12	12°25	19°21	n.a.	T 9
W10	10 47 55	13°57'59	21°29	18°29	5°14	16°35	24°25	4° 0	11°16	27°49	11°50	12°12	12°21	19°27	n.a.	W10
T 11	10 51 51	14°56'39	6♌ 7	19°53	6°24	17°13	24°32	3°58	11°14	27°51	11°51	12°12	12°18	19°34	n.a.	T 11
F 12	10 55 48	15°55'17	20°48	21°19	7°35	17°50	24°39	3°56	11°12	27°53	11°51	12°12	12°15	19°41	n.a.	F 12
S 13	10 59 45	16°53'52	5♍25	22°46	8°45	18°28	24°46	3°54	11° 9	27°54	11°51	12°R13	12°12	19°47	n.a.	S 13
S 14	11 3 41	17°52'25	19°52	24°15	9°56	19° 5	24°53	3°52	11° 7	27°56	11°51	12°13	12° 9	19°54	n.a.	S 14
M15	11 7 38	18°50'56	4♎ 3	25°46	11° 7	19°42	24°59	3°49	11° 5	27°58	11°51	12°12	12° 6	20° 1	n.a.	M15
T 16	11 11 34	19°49'25	17°54	27°19	12°18	20°20	25° 5	3°47	11° 3	27°59	11°51	12°12	12° 2	20° 8	n.a.	T 16
W17	11 15 31	20°47'52	1♏22	28°53	13°29	20°57	25°12	3°44	11° 0	28° 1	11°52	12°11	11°59	20°14	n.a.	W17
T 18	11 19 27	21°46'18	14°27	0♓29	14°40	21°34	25°18	3°42	10°58	28° 2	11°52	12° 9	11°56	20°21	n.a.	T 18
F 19	11 23 24	22°44'41	27°10	2° 7	15°51	22°11	25°24	3°39	10°56	28° 4	11°52	12° 8	11°53	20°28	n.a.	F 19
S 20	11 27 20	23°43'03	9♐35	3°46	17° 2	22°48	25°29	3°36	10°53	28° 5	11°R52	12° 7	11°50	20°34	n.a.	S 20
S 21	11 31 17	24°41'24	21°44	5°27	18°13	23°25	25°35	3°33	10°51	28° 7	11°52	12°D 7	11°47	20°41	n.a.	S 21
M22	11 35 13	25°39'42	3♉42	7°10	19°24	24° 2	25°40	3°30	10°49	28° 8	11°52	12° 7	11°43	20°48	n.a.	M22
T 23	11 39 10	26°37'59	15°34	8°54	20°35	24°39	25°45	3°27	10°46	28°10	11°51	12° 8	11°40	20°54	n.a.	T 23
W24	11 43 7	27°36'15	27°25	10°40	21°46	25°16	25°50	3°24	10°44	28°11	11°51	12° 9	11°37	21° 1	n.a.	W24
T 25	11 47 3	28°34'28	9♒19	12°28	22°57	25°52	25°55	3°21	10°41	28°12	11°51	12°10	11°34	21° 8	n.a.	T 25
F 26	11 51 0	29°32'40	21°19	14°18	24° 8	26°29	26° 0	3°18	10°39	28°14	11°51	12°12	11°31	21°14	n.a.	F 26
S 27	11 54 56	0♈30'51	3♓30	16° 9	25°20	27° 5	26° 5	3°15	10°36	28°15	11°51	12°13	11°27	21°21	n.a.	S 27
S 28	11 58 53	1°28'59	15°54	18° 2	26°31	27°41	26° 9	3°11	10°34	28°16	11°51	12°R13	11°24	21°28	n.a.	S 28
M29	12 2 49	2°27'06	28°33	19°57	27°42	28°18	26°13	3° 8	10°31	28°18	11°50	12°12	11°21	21°35	n.a.	M29
T 30	12 6 46	3°25'11	11♈27	21°54	28°54	28°54	26°17	3° 4	10°29	28°19	11°50	12°10	11°18	21°41	n.a.	T 30
W31	12 10 42	4♈23'14	24♈37	23♓52	0♓ 5	29♐30	26♐21	3♏ 1	10♎26	28♉20	11♐50	12♍ 8	11♍15	21♉48	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	9s45	4s47	0s41	19s54	1s18	21s20	0n 8	22s18	0n 4	23s30	0n 4	10s50	2n25	4s 3	0n39	21s18	0s23	20s16	2n15	7n 5	6n50	18s19			n.a.
T 2	9 23	0 46	1 49	19 45	1 26	21 11	0 4	22 25	0 2	23 31	0 4	10 49	2 25	4 2	0 39	21 18	0 23	20 16	2 15	7 5	6 51	18 18			n.a.
W 3	9 1	3n20	2 52	19 34	1 33	21 1	0 0	22 32	0 1	23 31	0 4	10 49	2 25	4 1	0 39	21 17	0 23	20 16	2 15	7 5	6 52	18 18			n.a.
T 4	8 39	7 21	3 48	19 22	1 40	20 51	0s 3	22 38	0s 0	23 32	0 4	10 48	2 25	4 0	0 39	21 17	0 23	20 16	2 15	7 5	6 53	18 17			n.a.
F 5	8 16	11 5	4 33	19 8	1 47	20 40	0 7	22 44	0 2	23 32	0 4	10 47	2 25	3 59	0 39	21 17	0 23	20 16	2 15	7 4	6 54	18 17			n.a.
S 6	7 54	14 19	5 3	18 52	1 53	20 28	0 10	22 50	0 3	23 33	0 4	10 47	2 26	3 59	0 39	21 16	0 23	20 16	2 15	7 4	6 56	18 17			n.a.
S 7	7 31	16 48	5 17	18 35	1 59	20 16	0 14	22 56	0 4	23 33	0 4	10 46	2 26	3 58	0 39	21 16	0 24	20 16	2 15	7 4	6 57	18 16			n.a.
M 8	7 9	18 21	5 12	18 16	2 4	20 3	0 17	23 2	0 6	23 34	0 4	10 45	2 26	3 57	0 39	21 16	0 24	20 17	2 15	7 4	6 58	18 16			n.a.
T 9	6 46	18 46	4 48	17 56	2 8	19 50	0 21	23 7	0 7	23 34	0 3	10 44	2 26	3 56	0 39	21 15	0 24	20 17	2 14	7 4	6 59	18 15			n.a.
W10	6 23	17 58	4 6	17 34	2 12	19 36	0 24	23 12	0 9	23 34	0 3	10 44	2 26	3 55	0 39	21 15	0 24	20 17	2 14	7 4	7 1	18 15			n.a.
T 11	6 0	15 58	3 7	17 11	2 16	19 21	0 27	23 18	0 10	23 35	0 3	10 43	2 26	3 54	0 39	21 15	0 24	20 17	2 14	7 4	7 2	18 15			n.a.
F 12	5 37	12 55	1 56	16 46	2 19	19 6	0 31	23 23	0 12	23 35	0 3	10 42	2 27	3 54	0 39	21 14	0 24	20 17	2 14	7 4	7 3	18 14			n.a.
S 13	5 14	9 4	0 38	16 19	2 21	18 51	0 34	23 28	0 13	23 36	0 3	10 41	2 27	3 53	0 39	21 14	0 24	20 17	2 14	7 4	7 4	18 14			n.a.
S 14	4 51	4 43	0n42	15 51	2 23	18 35	0 37	23 32	0 15	23 36	0 3	10 40	2 27	3 52	0 39	21 14	0 24	20 17	2 14	7 4	7 6	18 13			n.a.
M15	4 28	0 11	1 58	15 21	2 25	18 18	0 40	23 37	0 16	23 36	0 3	10 39	2 27	3 51	0 39	21 13	0 24	20 17	2 14	7 4	7 7	18 13			n.a.
T 16	4 5	4s15	3 5	14 50	2 25	18 1	0 43	23 41	0 18	23 37	0 3	10 38	2 27	3 50	0 39	21 13	0 24	20 17	2 14	7 4	7 8	18 13			n.a.
W17	3 42	8 21	4 0	14 17	2 26	17 43	0 46	23 46	0 19	23 37	0 3	10 37	2 27	3 49	0 39	21 13	0 24	20 17	2 14	7 5	7 9	18 12			n.a.
T 18	3 18	11 55	4 41	13 43	2 26	17 25	0 49	23 50	0 21	23 37	0 2	10 36	2 27	3 48	0 39	21 13	0 24	20 17	2 14	7 5	7 10	18 12			n.a.
F 19	2 55	14 49	5 6	13 7	2 25	17 7	0 52	23 54	0 23	23 38	0 2	10 35	2 28	3 47	0 39	21 12	0 24	20 17	2 14	7 6	7 12	18 11			n.a.
S 20	2 32	16 57	5 16	12 29	2 24	16 48	0 54	23 57	0 24	23 38	0 2	10 34	2 28	3 46	0 39	21 12	0 24	20 17	2 14	7 6	7 13	18 11			n.a.
S 21	2 8	18 17	5 12	11 50	2 22	16 28	0 57	24 1	0 26	23 38	0 2	10 33	2 28	3 45	0 39	21 12	0 24	20 17	2 14	7 6	7 14	18 10			n.a.
M22	1 45	18 47	4 55	11 9	2 20	16 8	0 59	24 5	0 28	23 39	0 2	10 32	2 28	3 44	0 39	21 11	0 24	20 17	2 14	7 6	7 15	18 10			n.a.
T 23	1 21	18 27	4 25	10 27	2 17	15 48	1 2	24 8	0 30	23 39	0 2	10 31	2 28	3 43	0 39	21 11	0 24	20 17	2 14	7 6	7 17	18 9			n.a.
W24	0 58	17 18	3 43	9 43	2 14	15 27	1 4	24 11	0 31	23 39	0 2	10 29	2 28	3 42	0 39	21 11	0 24	20 17	2 14	7 5	7 18	18 9			n.a.
T 25	0 34	15 23	2 52	8 58	2 10	15 5	1 7	24 14	0 33	23 40	0 2	10 28	2 28	3 41	0 39	21 11	0 24	20 17	2 14	7 5	7 19	18 8			n.a.
F 26	0 11	12 48	1 53	8 11	2 6	14 44	1 9	24 17	0 35	23 40	0 1	10 27	2 28	3 40	0 39	21 10	0 24	20 17	2 14	7 4	7 20	18 8			n.a.
S 27	0n12	9 36	0 48	7 23	2 1	14 22	1 11	24 20	0 37	23 40	0 1	10 26	2 29	3 39	0 39	21 10	0 24	20 17	2 14	7 4	7 21	18 8			n.a.
S 28	0 36	5 57	0s20	6 33	1 55	13 59	1 13	24 22	0 39	23 40	0 1	10 25	2 29	3 38	0 39	21 10	0 24	20 17	2 14	7 4	7 23	18 7			n.a.
M29	0 59	1 57	1 29	5 42	1 49	13 36	1 15	24 25	0 41	23 41	0 1	10 23	2 29	3 37	0 39	21 10	0 24	20 17	2 14	7 4	7 24	18 7			n.a.
T 30	1 23	2n13	2 34	4 50	1 43	13 13	1 17	24 27	0 42	23 41	0 1	10 22	2 29	3 36	0 39	21 9	0 24	20 17	2 14	7 5	7 25	18 6			n.a.
W31	1n46	6n22	3s33	3s56	1s36	12s49	1s19	24s29	0s44	23s41	0n 1	10s21	2n29	3s36	0n39	21s 9	0s24	20s17	2n14	7n 6	7n26	18s 6			n.a.

Julian Day Number = 1553467.5, Delta T = 04h29m12s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'23, Lahiri = -10°18'23 Julian Calendar 1 March 460 BCE == Greg. Calendar 24 Feb. 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

APRIL 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 14 39	5♈21'16	8♉ 1	25♓51	1♓16	0♑ 6	26♐25	2°R57	10°R24	28♑21	11°R49	12°R 4	11♍12	21♑55	n.a.	T 1
F 2	12 18 35	6°19'15	21°39	27°53	2°28	0°41	26°28	2♏53	10♎21	28°22	11♐49	12♍ 1	11° 8	22° 1	n.a.	F 2
S 3	12 22 32	7°17'13	5♊28	29°56	3°39	1°17	26°32	2°50	10°19	28°23	11°49	11°58	11° 5	22° 8	n.a.	S 3
S 4	12 26 29	8°15'08	19°26	2♈ 0	4°51	1°53	26°35	2°46	10°16	28°24	11°48	11°55	11° 2	22°15	n.a.	S 4
M 5	12 30 25	9°13'02	3♋32	4° 6	6° 2	2°28	26°38	2°42	10°14	28°25	11°48	11°D54	10°59	22°21	n.a.	M 5
T 6	12 34 22	10°10'54	17°43	6°13	7°14	3° 3	26°41	2°38	10°11	28°26	11°47	11°54	10°56	22°28	n.a.	T 6
W 7	12 38 18	11° 8'44	1♌57	8°21	8°26	3°39	26°43	2°34	10° 9	28°27	11°47	11°55	10°52	22°35	n.a.	W 7
T 8	12 42 15	12° 6'32	16°13	10°30	9°37	4°14	26°46	2°30	10° 6	28°28	11°46	11°57	10°49	22°41	n.a.	T 8
F 9	12 46 11	13° 4'18	0♍27	12°40	10°49	4°49	26°48	2°26	10° 4	28°29	11°45	11°58	10°46	22°48	n.a.	F 9
S 10	12 50 8	14° 2'02	14°37	14°50	12° 0	5°23	26°50	2°22	10° 1	28°30	11°45	11°R59	10°43	22°55	n.a.	S 10
S 11	12 54 4	14°59'45	28°39	17° 1	13°12	5°58	26°52	2°18	9°59	28°31	11°44	11°58	10°40	23° 2	n.a.	S 11
M12	12 58 1	15°57'26	12♎29	19°12	14°24	6°33	26°53	2°14	9°56	28°32	11°44	11°55	10°37	23° 8	n.a.	M12
T 13	13 1 58	16°55'05	26° 5	21°22	15°36	7° 7	26°55	2°10	9°54	28°33	11°43	11°51	10°33	23°15	n.a.	T 13
W14	13 5 54	17°52'44	9♏23	23°32	16°47	7°41	26°56	2° 6	9°51	28°33	11°42	11°45	10°30	23°22	n.a.	W14
T 15	13 9 51	18°50'20	22°23	25°41	17°59	8°15	26°57	2° 2	9°49	28°34	11°41	11°39	10°27	23°28	n.a.	T 15
F 16	13 13 47	19°47'56	5♐ 5	27°49	19°11	8°49	26°58	1°57	9°46	28°35	11°41	11°33	10°24	23°35	n.a.	F 16
S 17	13 17 44	20°45'31	17°29	29°55	20°23	9°23	26°59	1°53	9°44	28°35	11°40	11°28	10°21	23°42	n.a.	S 17
S 18	13 21 40	21°43'04	29°39	2♉ 0	21°35	9°57	27° 0	1°49	9°41	28°36	11°39	11°24	10°18	23°48	n.a.	S 18
M19	13 25 37	22°40'37	11♑38	4° 4	22°47	10°30	27° 0	1°45	9°39	28°37	11°38	11°21	10°14	23°55	n.a.	M19
T 20	13 29 33	23°38'08	23°30	6° 5	23°58	11° 3	27° 0	1°40	9°36	28°37	11°37	11°D21	10°11	24° 2	n.a.	T 20
W21	13 33 30	24°35'38	5♒21	8° 4	25°10	11°37	27°R 0	1°36	9°34	28°38	11°37	11°21	10° 8	24° 8	n.a.	W21
T 22	13 37 27	25°33'08	17°16	10° 0	26°22	12° 9	27° 0	1°32	9°31	28°38	11°36	11°22	10° 5	24°15	n.a.	T 22
F 23	13 41 23	26°30'36	29°19	11°54	27°34	12°42	27° 0	1°27	9°29	28°39	11°35	11°24	10° 2	24°22	n.a.	F 23
S 24	13 45 20	27°28'03	11♓35	13°46	28°46	13°15	26°59	1°23	9°27	28°39	11°34	11°R24	9°58	24°28	n.a.	S 24
S 25	13 49 16	28°25'30	24° 7	15°35	29°58	13°47	26°58	1°18	9°24	28°40	11°33	11°24	9°55	24°35	n.a.	S 25
M26	13 53 13	29°22'55	7♈ 0	17°21	1♈11	14°19	26°57	1°14	9°22	28°40	11°32	11°21	9°52	24°42	n.a.	M26
T 27	13 57 9	0♉20'20	20°12	19° 4	2°23	14°51	26°56	1°10	9°20	28°40	11°31	11°16	9°49	24°48	n.a.	T 27
W28	14 1 6	1°17'43	3♉45	20°44	3°35	15°22	26°55	1° 5	9°17	28°41	11°30	11° 9	9°46	24°55	n.a.	W28
T 29	14 5 2	2°15'06	17°36	22°22	4°47	15°54	26°53	1° 1	9°15	28°41	11°29	11° 1	9°43	25° 2	n.a.	T 29
F 30	14 8 59	3♉12'27	1♊41	23♉57	5♈59	16♑25	26♐52	0♏56	9♎13	28♑41	11♐28	10♍53	9♍39	25♑ 9	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n 9	10n15	4s21	3s 1	1s28	12s25	1s21	24s31	0s46	23s41	0n 1	10s19	2n29	3s35	0n39	21s 9	0s24	20s17	2n14	7n 7	7n28	18s 5		n.a.
F 2	2 32	13 40	4 54	2 5	1 20	12 1	1 23	24 33	0 48	23 42	0 0	10 18	2 29	3 34	0 39	21 9	0 24	20 17	2 14	7 9	7 29	18 5		n.a.
S 3	2 56	16 22	5 12	1 7	1 12	11 36	1 25	24 35	0 50	23 42	0 0	10 17	2 29	3 33	0 39	21 9	0 24	20 17	2 14	7 10	7 30	18 4		n.a.
S 4	3 19	18 9	5 11	0 9	1 3	11 11	1 26	24 37	0 52	23 42	0 0	10 15	2 29	3 32	0 39	21 8	0 24	20 17	2 14	7 11	7 31	18 4		n.a.
M 5	3 42	18 50	4 52	0n50	0 54	10 46	1 28	24 38	0 55	23 42	0 0	10 14	2 29	3 31	0 39	21 8	0 24	20 17	2 14	7 11	7 32	18 3		n.a.
T 6	4 5	18 21	4 15	1 50	0 44	10 21	1 29	24 39	0 57	23 42	0s 0	10 13	2 29	3 30	0 39	21 8	0 24	20 17	2 14	7 11	7 34	18 3		n.a.
W 7	4 28	16 42	3 22	2 50	0 34	9 55	1 31	24 41	0 59	23 43	0 0	10 11	2 29	3 29	0 39	21 8	0 24	20 17	2 14	7 11	7 35	18 2		n.a.
T 8	4 51	14 1	2 16	3 51	0 24	9 29	1 32	24 42	1 1	23 43	0 0	10 10	2 29	3 28	0 39	21 8	0 24	20 17	2 14	7 10	7 36	18 2		n.a.
F 9	5 14	10 29	1 3	4 51	0 14	9 2	1 33	24 43	1 3	23 43	0 0	10 8	2 30	3 27	0 39	21 8	0 24	20 17	2 13	7 10	7 37	18 1		n.a.
S 10	5 36	6 21	0n14	5 52	0 3	8 36	1 34	24 43	1 5	23 43	0 1	10 7	2 30	3 26	0 39	21 7	0 24	20 17	2 13	7 10	7 39	18 1		n.a.
S 11	5 59	1 55	1 30	6 53	0n 8	8 9	1 35	24 44	1 8	23 43	0 1	10 5	2 30	3 25	0 39	21 7	0 24	20 17	2 13	7 10	7 40	18 0		n.a.
M12	6 21	2s34	2 39	7 53	0 18	7 42	1 36	24 45	1 10	23 44	0 1	10 4	2 30	3 24	0 39	21 7	0 24	20 17	2 13	7 11	7 41	18 0		n.a.
T 13	6 44	6 49	3 37	8 53	0 29	7 14	1 37	24 45	1 12	23 44	0 1	10 2	2 30	3 23	0 39	21 7	0 24	20 17	2 13	7 13	7 42	17 59		n.a.
W14	7 6	10 39	4 23	9 51	0 39	6 47	1 38	24 46	1 14	23 44	0 1	10 1	2 30	3 22	0 39	21 7	0 24	20 17	2 13	7 15	7 43	17 59		n.a.
T 15	7 28	13 53	4 53	10 49	0 49	6 19	1 39	24 46	1 17	23 44	0 1	10 0	2 30	3 21	0 39	21 7	0 24	20 17	2 13	7 17	7 45	17 58		n.a.
F 16	7 50	16 22	5 9	11 45	0 59	5 51	1 39	24 46	1 19	23 44	0 1	9 58	2 30	3 20	0 39	21 7	0 24	20 17	2 13	7 19	7 46	17 58		n.a.
S 17	8 12	18 2	5 9	12 40	1 9	5 23	1 40	24 46	1 22	23 44	0 2	9 57	2 30	3 19	0 39	21 6	0 24	20 17	2 13	7 21	7 47	17 57		n.a.
S 18	8 34	18 50	4 55	13 32	1 18	4 55	1 40	24 46	1 24	23 45	0 2	9 55	2 30	3 18	0 39	21 6	0 25	20 17	2 13	7 23	7 48	17 56		n.a.
M19	8 56	18 46	4 28	14 23	1 27	4 27	1 41	24 46	1 27	23 45	0 2	9 54	2 30	3 17	0 39	21 6	0 25	20 16	2 13	7 24	7 50	17 56		n.a.
T 20	9 18	17 53	3 51	15 12	1 35	3 58	1 41	24 46	1 29	23 45	0 2	9 52	2 30	3 16	0 39	21 6	0 25	20 16	2 13	7 24	7 51	17 55		n.a.
W21	9 39	16 13	3 3	15 59	1 42	3 29	1 41	24 45	1 32	23 45	0 2	9 51	2 30	3 15	0 39	21 6	0 25	20 16	2 13	7 24	7 52	17 55		n.a.
T 22	10 0	13 51	2 7	16 44	1 49	3 1	1 42	24 45	1 34	23 45	0 2	9 49	2 30	3 14	0 39	21 6	0 25	20 16	2 13	7 23	7 53	17 54		n.a.
F 23	10 21	10 51	1 5	17 26	1 55	2 32	1 42	24 44	1 37	23 45	0 2	9 48	2 30	3 13	0 39	21 6	0 25	20 16	2 13	7 23	7 54	17 54		n.a.
S 24	10 42	7 20	0s 1	18 6	2 1	2 3	1 42	24 44	1 39	23 45	0 3	9 46	2 30	3 12	0 39	21 6	0 25	20 16	2 13	7 23	7 56	17 53		n.a.
S 25	11 3	3 24	1 8	18 43	2 6	1 34	1 42	24 43	1 42	23 46	0 3	9 44	2 30	3 11	0 38	21 6	0 25	20 16	2 13	7 23	7 57	17 53		n.a.
M26	11 24	0n46	2 14	19 18	2 10	1 5	1 42	24 42	1 45	23 46	0 3	9 43	2 30	3 10	0 38	21 6	0 25	20 16	2 13	7 24	7 58	17 52		n.a.
T 27	11 44	5 1	3 14	19 51	2 14	0 35	1 42	24 41	1 48	23 46	0 3	9 41	2 30	3 9	0 38	21 6	0 25	20 16	2 13	7 26	7 59	17 51		n.a.
W28	12 5	9 6	4 4	20 21	2 16	0 6	1 41	24 41	1 50	23 46	0 3	9 40	2 30	3 8	0 38	21 6	0 25	20 16	2 13	7 28	8 0	17 51		n.a.
T 29	12 25	12 48	4 41	20 49	2 18	0n23	1 41	24 40	1 53	23 46	0 3	9 38	2 30	3 7	0 38	21 6	0 25	20 16	2 13	7 32	8 2	17 50		n.a.
F 30	12n45	15n50	5s 2	21n15	2n19	0n52	1s41	24s39	1s56	23s46	0s 4	9s37	2n30	3s 7	0n38	21s 6	0s25	20s16	2n12	7n35	8n 3	17s50		n.a.

Julian Day Number = 1553498.5, Delta T = 04h29m11s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'19, Lahiri = -10°18'19 Julian Calendar 1 Apr. 460 BCE == Greg. Calendar 27 March 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

MAY 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 12 56	4♉ 9'48	15♊55	25♉28	7♈11	16♑56	26°R50	0°R52	9°R11	28♑41	11°R27	10°R45	9♍36	25♑15	n.a.	S 1
S 2	14 16 52	5° 7'07	0♋13	26°57	8°23	17°27	26♐48	0♏48	9♎ 8	28°42	11♐25	10♍39	9°33	25°22	n.a.	S 2
M 3	14 20 49	6° 4'25	14°31	28°23	9°36	17°57	26°45	0°43	9° 6	28°42	11°24	10°35	9°30	25°29	n.a.	M 3
T 4	14 24 45	7° 1'42	28°46	29°45	10°48	18°27	26°43	0°39	9° 4	28°42	11°23	10°33	9°27	25°35	n.a.	T 4
W 5	14 28 42	7°58'58	12♌55	1♊ 5	12° 0	18°57	26°40	0°34	9° 2	28°42	11°22	10°D33	9°24	25°42	n.a.	W 5
T 6	14 32 38	8°56'13	26°57	2°22	13°12	19°26	26°38	0°30	9° 0	28°42	11°21	10°34	9°20	25°49	n.a.	T 6
F 7	14 36 35	9°53'26	10♍51	3°35	14°25	19°56	26°35	0°26	8°58	28°R42	11°20	10°R34	9°17	25°55	n.a.	F 7
S 8	14 40 31	10°50'39	24°36	4°45	15°37	20°25	26°31	0°21	8°56	28°42	11°18	10°33	9°14	26° 2	n.a.	S 8
S 9	14 44 28	11°47'50	8♎12	5°52	16°49	20°54	26°28	0°17	8°54	28°42	11°17	10°31	9°11	26° 9	n.a.	S 9
M10	14 48 25	12°45'01	21°39	6°55	18° 2	21°22	26°25	0°13	8°52	28°42	11°16	10°25	9° 8	26°15	n.a.	M10
T 11	14 52 21	13°42'11	4♏53	7°55	19°14	21°50	26°21	0° 9	8°50	28°42	11°15	10°17	9° 4	26°22	n.a.	T 11
W12	14 56 18	14°39'21	17°54	8°52	20°27	22°18	26°17	0° 4	8°48	28°42	11°13	10° 7	9° 1	26°29	n.a.	W12
T 13	15 0 14	15°36'29	0♐41	9°45	21°39	22°45	26°13	0° 0	8°46	28°41	11°12	9°56	8°58	26°35	n.a.	T 13
F 14	15 4 11	16°33'38	13°14	10°34	22°51	23°13	26° 9	29♎56	8°44	28°41	11°11	9°45	8°55	26°42	n.a.	F 14
S 15	15 8 7	17°30'46	25°33	11°19	24° 4	23°39	26° 4	29°52	8°43	28°41	11° 9	9°35	8°52	26°49	n.a.	S 15
S 16	15 12 4	18°27'54	7♑39	12° 1	25°16	24° 6	26° 0	29°48	8°41	28°41	11° 8	9°26	8°49	26°55	n.a.	S 16
M17	15 16 0	19°25'01	19°36	12°38	26°29	24°32	25°55	29°44	8°39	28°40	11° 7	9°20	8°45	27° 2	n.a.	M17
T 18	15 19 57	20°22'09	1♒27	13°12	27°42	24°58	25°50	29°40	8°37	28°40	11° 5	9°16	8°42	27° 9	n.a.	T 18
W19	15 23 54	21°19'16	13°17	13°41	28°54	25°23	25°45	29°36	8°36	28°40	11° 4	9°14	8°39	27°15	n.a.	W19
T 20	15 27 50	22°16'23	25°11	14° 6	0♉ 7	25°48	25°40	29°32	8°34	28°39	11° 3	9°D14	8°36	27°22	n.a.	T 20
F 21	15 31 47	23°13'30	7♓14	14°27	1°19	26°13	25°35	29°28	8°33	28°39	11° 1	9°R14	8°33	27°29	n.a.	F 21
S 22	15 35 43	24°10'37	19°31	14°43	2°32	26°37	25°30	29°24	8°31	28°39	11° 0	9°14	8°29	27°36	n.a.	S 22
S 23	15 39 40	25° 7'44	2♈ 7	14°55	3°45	27° 0	25°24	29°21	8°30	28°38	10°58	9°12	8°26	27°42	n.a.	S 23
M24	15 43 36	26° 4'51	15° 6	15° 2	4°57	27°24	25°18	29°17	8°28	28°38	10°57	9° 8	8°23	27°49	n.a.	M24
T 25	15 47 33	27° 1'58	28°31	15°R 4	6°10	27°46	25°12	29°13	8°27	28°37	10°55	9° 1	8°20	27°56	n.a.	T 25
W26	15 51 29	27°59'05	12♉20	15° 2	7°23	28° 9	25° 6	29°10	8°25	28°36	10°54	8°52	8°17	28° 2	n.a.	W26
T 27	15 55 26	28°56'12	26°33	14°56	8°36	28°31	25° 0	29° 6	8°24	28°36	10°53	8°41	8°14	28° 9	n.a.	T 27
F 28	15 59 23	29°53'19	11♊ 2	14°45	9°49	28°52	24°54	29° 3	8°23	28°35	10°51	8°30	8°10	28°16	n.a.	F 28
S 29	16 3 19	0♊50'26	25°42	14°30	11° 1	29°13	24°48	28°59	8°22	28°34	10°50	8°20	8° 7	28°22	n.a.	S 29
S 30	16 7 16	1°47'33	10♋25	14°10	12°14	29°33	24°41	28°56	8°20	28°34	10°48	8°11	8° 4	28°29	n.a.	S 30
M31	16 11 12	2♊44'40	25♋ 3	13♊47	13♉27	29♑53	24♐35	28♎53	8♎19	28♑33	10♐47	8♍ 5	8♍ 1	28♑36	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n 4	17n56	5s 5	21n38	2n20	1n22	1s40	24s38	1s59	23s46	0s 4	9s35	2n29	3s 6	0n38	21s 6	0s25	20s15	2n12	7n38	8n 4	17s49		n.a.
S 2	13 24	18 56	4 49	21 59	2 19	1 51	1 39	24 36	2 2	23 46	0 4	9 34	2 29	3 5	0 38	21 6	0 25	20 15	2 12	7 40	8 5	17 49		n.a.
M 3	13 43	18 44	4 15	22 18	2 18	2 20	1 39	24 35	2 5	23 47	0 4	9 33	2 29	3 4	0 38	21 6	0 25	20 15	2 12	7 42	8 7	17 48		n.a.
T 4	14 2	17 20	3 25	22 35	2 16	2 49	1 38	24 34	2 8	23 47	0 4	9 31	2 29	3 3	0 38	21 6	0 25	20 15	2 12	7 42	8 8	17 47		n.a.
W 5	14 21	14 53	2 23	22 49	2 14	3 19	1 37	24 33	2 11	23 47	0 4	9 30	2 29	3 2	0 38	21 6	0 25	20 15	2 12	7 42	8 9	17 47		n.a.
T 6	14 40	11 33	1 12	23 1	2 10	3 48	1 37	24 31	2 14	23 47	0 5	9 28	2 29	3 2	0 38	21 6	0 25	20 15	2 12	7 42	8 10	17 46		n.a.
F 7	14 58	7 37	0n 1	23 12	2 6	4 17	1 36	24 30	2 17	23 47	0 5	9 27	2 29	3 1	0 38	21 6	0 25	20 15	2 12	7 42	8 11	17 46		n.a.
S 8	15 16	3 18	1 14	23 20	2 1	4 46	1 35	24 29	2 20	23 47	0 5	9 25	2 29	3 0	0 38	21 6	0 25	20 15	2 12	7 42	8 13	17 45		n.a.
S 9	15 34	1s 8	2 22	23 27	1 55	5 15	1 34	24 27	2 23	23 47	0 5	9 24	2 29	2 59	0 38	21 6	0 25	20 15	2 12	7 43	8 14	17 44		n.a.
M10	15 52	5 27	3 21	23 32	1 49	5 44	1 33	24 26	2 26	23 47	0 5	9 22	2 29	2 58	0 38	21 6	0 25	20 15	2 12	7 45	8 15	17 44		n.a.
T 11	16 9	9 26	4 8	23 35	1 41	6 13	1 32	24 25	2 30	23 47	0 5	9 21	2 29	2 58	0 38	21 6	0 25	20 14	2 12	7 48	8 16	17 43		n.a.
W12	16 27	12 54	4 41	23 36	1 33	6 42	1 30	24 23	2 33	23 47	0 6	9 20	2 29	2 57	0 38	21 6	0 25	20 14	2 12	7 52	8 17	17 43		n.a.
T 13	16 43	15 41	4 59	23 35	1 24	7 10	1 29	24 22	2 36	23 47	0 6	9 18	2 28	2 56	0 38	21 6	0 25	20 14	2 12	7 57	8 19	17 42		n.a.
F 14	17 0	17 41	5 2	23 33	1 15	7 39	1 28	24 20	2 39	23 47	0 6	9 17	2 28	2 56	0 38	21 6	0 25	20 14	2 12	8 1	8 20	17 41		n.a.
S 15	17 17	18 49	4 51	23 30	1 5	8 7	1 26	24 19	2 43	23 47	0 6	9 16	2 28	2 55	0 38	21 6	0 25	20 14	2 12	8 5	8 21	17 41		n.a.
S 16	17 33	19 5	4 27	23 25	0 54	8 35	1 25	24 18	2 46	23 47	0 6	9 14	2 28	2 54	0 38	21 6	0 25	20 14	2 11	8 8	8 22	17 40		n.a.
M17	17 49	18 28	3 52	23 18	0 42	9 3	1 23	24 16	2 50	23 47	0 6	9 13	2 28	2 54	0 38	21 6	0 25	20 14	2 11	8 10	8 23	17 39		n.a.
T 18	18 4	17 4	3 7	23 10	0 30	9 31	1 22	24 15	2 53	23 47	0 7	9 12	2 28	2 53	0 38	21 6	0 25	20 14	2 11	8 12	8 25	17 39		n.a.
W19	18 19	14 55	2 13	23 1	0 17	9 58	1 20	24 14	2 57	23 47	0 7	9 10	2 28	2 52	0 38	21 6	0 25	20 14	2 11	8 12	8 26	17 38		n.a.
T 20	18 34	12 8	1 14	22 51	0 4	10 26	1 19	24 13	3 0	23 47	0 7	9 9	2 28	2 52	0 38	21 6	0 25	20 13	2 11	8 13	8 27	17 38		n.a.
F 21	18 49	8 48	0 11	22 39	0s11	10 53	1 17	24 11	3 4	23 47	0 7	9 8	2 27	2 51	0 38	21 7	0 25	20 13	2 11	8 12	8 28	17 37		n.a.
S 22	19 4	5 2	0s54	22 27	0 25	11 20	1 15	24 10	3 8	23 47	0 7	9 7	2 27	2 51	0 38	21 7	0 25	20 13	2 11	8 13	8 29	17 36		n.a.
S 23	19 18	0 57	1 58	22 13	0 40	11 47	1 13	24 9	3 11	23 47	0 7	9 6	2 27	2 50	0 38	21 7	0 25	20 13	2 11	8 13	8 31	17 36		n.a.
M24	19 31	3n18	2 58	21 59	0 55	12 13	1 12	24 8	3 15	23 47	0 8	9 4	2 27	2 49	0 38	21 7	0 25	20 13	2 11	8 15	8 32	17 35		n.a.
T 25	19 45	7 31	3 50	21 43	1 11	12 39	1 10	24 7	3 19	23 47	0 8	9 3	2 27	2 49	0 38	21 7	0 25	20 13	2 11	8 17	8 33	17 34		n.a.
W26	19 58	11 28	4 30	21 27	1 27	13 5	1 8	24 6	3 22	23 47	0 8	9 2	2 27	2 48	0 38	21 7	0 25	20 13	2 11	8 21	8 34	17 34		n.a.
T 27	20 11	14 52	4 54	21 11	1 43	13 31	1 6	24 5	3 26	23 47	0 8	9 1	2 26	2 48	0 38	21 7	0 26	20 13	2 11	8 25	8 35	17 33		n.a.
F 28	20 23	17 26	5 1	20 53	1 59	13 56	1 4	24 5	3 30	23 47	0 8	9 0	2 26	2 47	0 38	21 8	0 26	20 13	2 10	8 29	8 37	17 32		n.a.
S 29	20 35	18 53	4 47	20 36	2 15	14 21	1 2	24 4	3 34	23 47	0 8	8 59	2 26	2 47	0 38	21 8	0 26	20 12	2 10	8 33	8 38	17 32		n.a.
S 30	20 47	19 6	4 15	20 18	2 31	14 46	1 0	24 3	3 38	23 47	0 9	8 58	2 26	2 47	0 38	21 8	0 26	20 12	2 10	8 36	8 39	17 31		n.a.
M31	20n59	18n 1	3s26	20n 0	2s46	15n10	0s58	24s 3	3s42	23s47	0s 9	8s57	2n26	2s46	0n37	21s 8	0s26	20s12	2n10	8n39	8n40	17s30		n.a.

Julian Day Number = 1553528.5, Delta T = 04h29m09s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'15, Lahiri = -10°18'15 Julian Calendar 1 May 460 BCE == Greg. Calendar 26 Apr. 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

JUNE 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 15 9	3♊41'46	9♌31	13°R20	14♉40	0♒12	24°R28	28°R49	8°R18	28°R32	10°R45	8°R 2	7♍58	28♉42	n.a.	T 1
W 2	16 19 5	4°38'52	23°45	12♊50	15°53	0°31	24♐21	28♎46	8♎17	28♉32	10♐44	8♍ 0	7°55	28°49	n.a.	W 2
T 3	16 23 2	5°35'58	7♍45	12°17	17° 6	0°49	24°14	28°43	8°16	28°31	10°42	8° 0	7°51	28°56	n.a.	T 3
F 4	16 26 59	6°33'04	21°29	11°42	18°19	1° 7	24° 7	28°40	8°15	28°30	10°41	8° 0	7°48	29° 2	n.a.	F 4
S 5	16 30 55	7°30'10	4♎59	11° 6	19°32	1°24	24° 0	28°37	8°14	28°29	10°39	7°58	7°45	29° 9	n.a.	S 5
S 6	16 34 52	8°27'16	18°17	10°28	20°45	1°40	23°53	28°34	8°14	28°28	10°38	7°54	7°42	29°16	n.a.	S 6
M 7	16 38 48	9°24'21	1♏22	9°50	21°58	1°56	23°46	28°32	8°13	28°27	10°36	7°48	7°39	29°22	n.a.	M 7
T 8	16 42 45	10°21'27	14°15	9°12	23°11	2°11	23°39	28°29	8°12	28°26	10°35	7°38	7°35	29°29	n.a.	T 8
W 9	16 46 41	11°18'34	26°57	8°35	24°24	2°26	23°31	28°26	8°11	28°25	10°33	7°27	7°32	29°36	n.a.	W 9
T 10	16 50 38	12°15'40	9♐28	8° 0	25°37	2°40	23°24	28°24	8°11	28°24	10°32	7°14	7°29	29°42	n.a.	T 10
F 11	16 54 34	13°12'47	21°48	7°27	26°50	2°53	23°16	28°21	8°10	28°23	10°30	7° 1	7°26	29°49	n.a.	F 11
S 12	16 58 31	14° 9'54	3♑58	6°56	28° 4	3° 6	23° 9	28°19	8°10	28°22	10°29	6°48	7°23	29°56	n.a.	S 12
S 13	17 2 28	15° 7'02	15°58	6°29	29°17	3°18	23° 1	28°16	8° 9	28°21	10°27	6°38	7°20	0♒ 2	n.a.	S 13
M14	17 6 24	16° 4'11	27°51	6° 6	0♊30	3°29	22°54	28°14	8° 9	28°20	10°26	6°30	7°16	0° 9	n.a.	M14
T 15	17 10 21	17° 1'20	9♒40	5°47	1°43	3°40	22°46	28°12	8° 8	28°19	10°24	6°25	7°13	0°16	n.a.	T 15
W16	17 14 17	17°58'30	21°28	5°32	2°57	3°50	22°38	28°10	8° 8	28°18	10°23	6°23	7°10	0°22	n.a.	W16
T 17	17 18 14	18°55'41	3♓21	5°23	4°10	3°59	22°31	28° 8	8° 8	28°17	10°21	6°D22	7° 7	0°29	n.a.	T 17
F 18	17 22 10	19°52'53	15°22	5°D19	5°23	4° 7	22°23	28° 6	8° 7	28°16	10°20	6°R22	7° 4	0°36	n.a.	F 18
S 19	17 26 7	20°50'05	27°38	5°20	6°37	4°15	22°15	28° 4	8° 7	28°14	10°19	6°22	7° 1	0°42	n.a.	S 19
S 20	17 30 3	21°47'19	10♈13	5°28	7°50	4°22	22° 8	28° 2	8° 7	28°13	10°17	6°21	6°57	0°49	n.a.	S 20
M21	17 34 0	22°44'33	23°13	5°41	9° 4	4°28	22° 0	28° 1	8° 7	28°12	10°16	6°17	6°54	0°56	n.a.	M21
T 22	17 37 57	23°41'49	6♉40	5°59	10°17	4°33	21°52	27°59	8°D 7	28°11	10°14	6°12	6°51	1° 2	n.a.	T 22
W23	17 41 53	24°39'05	20°36	6°24	11°31	4°38	21°44	27°58	8° 7	28° 9	10°13	6° 4	6°48	1° 9	n.a.	W23
T 24	17 45 50	25°36'23	4♊58	6°55	12°44	4°42	21°37	27°56	8° 7	28° 8	10°11	5°54	6°45	1°16	n.a.	T 24
F 25	17 49 46	26°33'42	19°43	7°31	13°58	4°45	21°29	27°55	8° 7	28° 7	10°10	5°44	6°41	1°23	n.a.	F 25
S 26	17 53 43	27°31'02	4♋42	8°13	15°11	4°47	21°21	27°54	8° 7	28° 5	10° 9	5°34	6°38	1°29	n.a.	S 26
S 27	17 57 39	28°28'22	19°45	9° 2	16°25	4°48	21°13	27°53	8° 7	28° 4	10° 7	5°26	6°35	1°36	n.a.	S 27
M28	18 1 36	29°25'43	4♌44	9°56	17°39	4°R49	21° 6	27°52	8° 8	28° 3	10° 6	5°21	6°32	1°43	n.a.	M28
T 29	18 5 32	0♋23'06	19°30	10°55	18°52	4°48	20°58	27°51	8° 8	28° 1	10° 4	5°18	6°29	1°49	n.a.	T 29
W30	18 9 29	1♋20'28	3♍58	12♊ 0	20♊ 6	4♒47	20♐51	27♎50	8♎ 8	28♉ 0	10♐ 3	5°D17	6♍26	1♒56	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n10	15n47	2s25	19n42	3s 1	15n34	0s55	24s 2	3s46	23s47	0s 9	8s56	2n26	2s46	0n37	21s 8	0s26	20s12	2n10	8n40	8n41	17s30		n.a.
W 2	21 21	12 36	1 15	19 24	3 16	15 57	0 53	24 2	3 50	23 47	0 9	8 55	2 25	2 45	0 37	21 8	0 26	20 12	2 10	8 41	8 43	17 29		n.a.
T 3	21 31	8 45	0 1	19 6	3 29	16 21	0 51	24 2	3 54	23 46	0 9	8 54	2 25	2 45	0 37	21 9	0 26	20 12	2 10	8 41	8 44	17 28		n.a.
F 4	21 41	4 30	1n11	18 49	3 41	16 43	0 49	24 2	3 58	23 46	0 9	8 53	2 25	2 45	0 37	21 9	0 26	20 12	2 10	8 41	8 45	17 28		n.a.
S 5	21 51	0 6	2 18	18 33	3 53	17 6	0 47	24 2	4 2	23 46	0 10	8 52	2 25	2 44	0 37	21 9	0 26	20 12	2 10	8 41	8 46	17 27		n.a.
S 6	22 0	4s15	3 16	18 18	4 3	17 28	0 44	24 2	4 6	23 46	0 10	8 51	2 25	2 44	0 37	21 9	0 26	20 11	2 10	8 43	8 47	17 26		n.a.
M 7	22 9	8 19	4 2	18 4	4 12	17 49	0 42	24 3	4 10	23 46	0 10	8 51	2 24	2 44	0 37	21 9	0 26	20 11	2 10	8 45	8 49	17 25		n.a.
T 8	22 17	11 56	4 36	17 51	4 19	18 10	0 40	24 3	4 15	23 46	0 10	8 50	2 24	2 43	0 37	21 10	0 26	20 11	2 9	8 49	8 50	17 25		n.a.
W 9	22 26	14 56	4 55	17 39	4 25	18 31	0 37	24 4	4 19	23 45	0 10	8 49	2 24	2 43	0 37	21 10	0 26	20 11	2 9	8 53	8 51	17 24		n.a.
T 10	22 33	17 13	5 0	17 30	4 29	18 51	0 35	24 5	4 23	23 45	0 10	8 48	2 24	2 43	0 37	21 10	0 26	20 11	2 9	8 58	8 52	17 23		n.a.
F 11	22 41	18 40	4 50	17 22	4 32	19 11	0 32	24 6	4 27	23 45	0 11	8 48	2 24	2 43	0 37	21 10	0 26	20 11	2 9	9 3	8 53	17 23		n.a.
S 12	22 48	19 14	4 28	17 15	4 33	19 30	0 30	24 7	4 31	23 45	0 11	8 47	2 23	2 43	0 37	21 11	0 26	20 11	2 9	9 8	8 55	17 22		n.a.
S 13	22 54	18 55	3 53	17 11	4 33	19 48	0 28	24 8	4 36	23 45	0 11	8 46	2 23	2 42	0 37	21 11	0 26	20 11	2 9	9 11	8 56	17 21		n.a.
M14	23 1	17 46	3 9	17 9	4 31	20 6	0 25	24 9	4 40	23 44	0 11	8 46	2 23	2 42	0 37	21 11	0 26	20 11	2 9	9 14	8 57	17 20		n.a.
T 15	23 6	15 52	2 17	17 9	4 28	20 24	0 23	24 11	4 44	23 44	0 11	8 45	2 23	2 42	0 37	21 11	0 26	20 10	2 9	9 16	8 58	17 20		n.a.
W16	23 12	13 18	1 18	17 12	4 23	20 41	0 20	24 13	4 49	23 44	0 11	8 45	2 22	2 42	0 37	21 12	0 26	20 10	2 9	9 17	8 59	17 19		n.a.
T 17	23 17	10 10	0 16	17 16	4 17	20 58	0 18	24 15	4 53	23 44	0 12	8 44	2 22	2 42	0 37	21 12	0 26	20 10	2 8	9 17	9 1	17 18		n.a.
F 18	23 21	6 34	0s48	17 23	4 9	21 14	0 15	24 17	4 57	23 43	0 12	8 44	2 22	2 42	0 37	21 12	0 26	20 10	2 8	9 17	9 2	17 18		n.a.
S 19	23 26	2 38	1 50	17 31	4 1	21 29	0 13	24 19	5 1	23 43	0 12	8 43	2 22	2 42	0 37	21 12	0 26	20 10	2 8	9 17	9 3	17 17		n.a.
S 20	23 29	1n30	2 50	17 42	3 51	21 44	0 10	24 21	5 6	23 43	0 12	8 43	2 21	2 42	0 37	21 13	0 26	20 10	2 8	9 18	9 4	17 16		n.a.
M21	23 33	5 42	3 42	17 54	3 41	21 58	0 8	24 24	5 10	23 42	0 12	8 42	2 21	2 42	0 37	21 13	0 26	20 10	2 8	9 19	9 5	17 15		n.a.
T 22	23 36	9 46	4 24	18 9	3 29	22 11	0 6	24 27	5 14	23 42	0 12	8 42	2 21	2 42	0 37	21 13	0 26	20 10	2 8	9 21	9 7	17 15		n.a.
W23	23 38	13 26	4 52	18 25	3 17	22 24	0 3	24 30	5 19	23 42	0 13	8 42	2 21	2 42	0 37	21 13	0 26	20 10	2 8	9 24	9 8	17 14		n.a.
T 24	23 40	16 26	5 3	18 42	3 5	22 36	0 1	24 33	5 23	23 41	0 13	8 42	2 20	2 42	0 37	21 14	0 26	20 10	2 8	9 28	9 9	17 13		n.a.
F 25	23 42	18 28	4 54	19 1	2 52	22 48	0n 2	24 36	5 27	23 41	0 13	8 41	2 20	2 42	0 37	21 14	0 26	20 9	2 8	9 32	9 10	17 12		n.a.
S 26	23 43	19 15	4 25	19 22	2 38	22 59	0 4	24 40	5 31	23 41	0 13	8 41	2 20	2 42	0 37	21 14	0 26	20 9	2 7	9 35	9 11	17 12		n.a.
S 27	23 44	18 41	3 37	19 43	2 24	23 9	0 7	24 44	5 35	23 40	0 13	8 41	2 20	2 42	0 36	21 15	0 26	20 9	2 7	9 38	9 13	17 11		n.a.
M28	23 45	16 49	2 35	20 5	2 10	23 19	0 9	24 47	5 39	23 40	0 13	8 41	2 19	2 42	0 36	21 15	0 26	20 9	2 7	9 40	9 14	17 10		n.a.
T 29	23 45	13 51	1 23	20 28	1 55	23 28	0 12	24 51	5 44	23 40	0 13	8 41	2 19	2 43	0 36	21 15	0 26	20 9	2 7	9 41	9 15	17 9		n.a.
W30	23n44	10n 4	0s 7	20n51	1s41	23n36	0n14	24s55	5s47	23s39	0s14	8s41	2n19	2s43	0n36	21s16	0s26	20s 9	2n 7	9n42	9n16	17s 8		n.a.

Julian Day Number = 1553559.5, Delta T = 04h29m08s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'11, Lahiri = -10°18'10 Julian Calendar 1 June 460 BCE == Greg. Calendar 27 May 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

JULY 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 13 26	2♋17'52	18♍ 5	13♊11	21♊20	4°R45	20°R43	27°R49	8♎ 9	27°R58	10°R 2	5♍17	6♍22	2♒ 3	n.a.	T 1
F 2	18 17 22	3°15'16	1♎51	14°27	22°33	4♒43	20♐36	27♎48	8° 9	27♑57	10♐ 0	5°R17	6°19	2° 9	n.a.	F 2
S 3	18 21 19	4°12'41	15°16	15°48	23°47	4°39	20°29	27°48	8°10	27°56	9°59	5°17	6°16	2°16	n.a.	S 3
S 4	18 25 15	5°10'07	28°24	17°14	25° 1	4°35	20°21	27°47	8°10	27°54	9°58	5°15	6°13	2°23	n.a.	S 4
M 5	18 29 12	6° 7'34	11♏15	18°44	26°15	4°30	20°14	27°47	8°11	27°53	9°56	5°10	6°10	2°29	n.a.	M 5
T 6	18 33 8	7° 5'02	23°53	20°19	27°29	4°24	20° 7	27°47	8°12	27°51	9°55	5° 3	6° 7	2°36	n.a.	T 6
W 7	18 37 5	8° 2'31	6♐20	21°58	28°43	4°17	20° 0	27°47	8°13	27°50	9°54	4°54	6° 3	2°43	n.a.	W 7
T 8	18 41 1	9° 0'01	18°36	23°41	29°57	4°10	19°53	27°D47	8°13	27°48	9°52	4°44	6° 0	2°49	n.a.	T 8
F 9	18 44 58	9°57'32	0♑43	25°28	1♋10	4° 2	19°46	27°47	8°14	27°46	9°51	4°34	5°57	2°56	n.a.	F 9
S 10	18 48 55	10°55'04	12°43	27°17	2°24	3°53	19°39	27°47	8°15	27°45	9°50	4°24	5°54	3° 3	n.a.	S 10
S 11	18 52 51	11°52'38	24°37	29°10	3°38	3°44	19°33	27°47	8°16	27°43	9°49	4°16	5°51	3° 9	n.a.	S 11
M12	18 56 48	12°50'13	6♒27	1♋ 5	4°52	3°34	19°26	27°47	8°17	27°42	9°48	4°10	5°47	3°16	n.a.	M12
T 13	19 0 44	13°47'50	18°15	3° 1	6° 7	3°23	19°20	27°48	8°18	27°40	9°46	4° 7	5°44	3°23	n.a.	T 13
W14	19 4 41	14°45'28	0♓ 3	5° 0	7°21	3°12	19°13	27°48	8°19	27°39	9°45	4°D 5	5°41	3°29	n.a.	W14
T 15	19 8 37	15°43'08	11°57	6°59	8°35	3° 0	19° 7	27°49	8°20	27°37	9°44	4° 6	5°38	3°36	n.a.	T 15
F 16	19 12 34	16°40'49	23°58	9° 0	9°49	2°47	19° 1	27°49	8°22	27°35	9°43	4° 7	5°35	3°43	n.a.	F 16
S 17	19 16 30	17°38'32	6♈14	11° 1	11° 3	2°34	18°55	27°50	8°23	27°34	9°42	4° 8	5°32	3°49	n.a.	S 17
S 18	19 20 27	18°36'17	18°47	13° 2	12°17	2°20	18°49	27°51	8°24	27°32	9°41	4°R 8	5°28	3°56	n.a.	S 18
M19	19 24 24	19°34'04	1♉43	15° 3	13°31	2° 6	18°44	27°52	8°26	27°31	9°40	4° 8	5°25	4° 3	n.a.	M19
T 20	19 28 20	20°31'53	15° 6	17° 4	14°46	1°52	18°38	27°53	8°27	27°29	9°39	4° 5	5°22	4° 9	n.a.	T 20
W21	19 32 17	21°29'43	28°57	19° 5	16° 0	1°37	18°33	27°54	8°28	27°27	9°38	4° 1	5°19	4°16	n.a.	W21
T 22	19 36 13	22°27'36	13♊17	21° 5	17°14	1°21	18°27	27°56	8°30	27°26	9°37	3°56	5°16	4°23	n.a.	T 22
F 23	19 40 10	23°25'30	28° 2	23° 4	18°29	1° 6	18°22	27°57	8°31	27°24	9°36	3°50	5°13	4°29	n.a.	F 23
S 24	19 44 6	24°23'26	13♋ 6	25° 2	19°43	0°50	18°17	27°58	8°33	27°22	9°35	3°44	5° 9	4°36	n.a.	S 24
S 25	19 48 3	25°21'24	28°19	27° 0	20°57	0°34	18°13	28° 0	8°35	27°21	9°34	3°39	5° 6	4°43	n.a.	S 25
M26	19 52 0	26°19'23	13♌31	28°56	22°12	0°18	18° 8	28° 2	8°36	27°19	9°33	3°36	5° 3	4°49	n.a.	M26
T 27	19 55 56	27°17'25	28°32	0♌51	23°26	0° 1	18° 3	28° 3	8°38	27°18	9°32	3°D35	5° 0	4°56	n.a.	T 27
W28	19 59 53	28°15'27	13♍16	2°45	24°41	29♑45	17°59	28° 5	8°40	27°16	9°31	3°35	4°57	5° 3	n.a.	W28
T 29	20 3 49	29°13'31	27°36	4°38	25°55	29°29	17°55	28° 7	8°42	27°14	9°30	3°36	4°53	5° 9	n.a.	T 29
F 30	20 7 46	0♌11'37	11♎31	6°29	27°10	29°12	17°51	28° 9	8°44	27°13	9°29	3°37	4°50	5°16	n.a.	F 30
S 31	20 11 42	1♌ 9'44	25♎ 0	8♌20	28♋24	28♑56	17♐47	28♎11	8♎46	27♑11	9♐29	3°R38	4♍47	5♒23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n44	5n48	1n 8	21n15	1s26	23n44	0n16	25s 0	5s51	23s39	0s14	8s41	2n19	2s43	0n36	21s16	0s26	20s 9	2n 7	9n42	9n17	17s 8			n.a.
F 2	23 42	1 21	2 17	21 38	1 12	23 51	0 19	25 4	5 55	23 38	0 14	8 41	2 18	2 43	0 36	21 16	0 26	20 9	2 7	9 41	9 18	17 7			n.a.
S 3	23 41	3s 4	3 17	22 2	0 58	23 57	0 21	25 9	5 59	23 38	0 14	8 41	2 18	2 44	0 36	21 16	0 26	20 9	2 7	9 42	9 20	17 6			n.a.
S 4	23 39	7 14	4 5	22 24	0 43	24 3	0 23	25 13	6 3	23 38	0 14	8 41	2 18	2 44	0 36	21 17	0 26	20 9	2 6	9 43	9 21	17 5			n.a.
M 5	23 36	10 59	4 39	22 46	0 30	24 7	0 26	25 18	6 6	23 37	0 14	8 41	2 18	2 44	0 36	21 17	0 26	20 9	2 6	9 44	9 22	17 5			n.a.
T 6	23 33	14 9	4 59	23 7	0 16	24 11	0 28	25 23	6 10	23 37	0 14	8 41	2 17	2 44	0 36	21 17	0 26	20 9	2 6	9 47	9 23	17 4			n.a.
W 7	23 30	16 38	5 5	23 27	0 3	24 15	0 30	25 28	6 13	23 37	0 15	8 41	2 17	2 45	0 36	21 18	0 26	20 9	2 6	9 50	9 24	17 3			n.a.
T 8	23 26	18 20	4 56	23 45	0n 9	24 17	0 32	25 33	6 17	23 36	0 15	8 41	2 17	2 45	0 36	21 18	0 26	20 9	2 6	9 54	9 26	17 2			n.a.
F 9	23 22	19 10	4 34	24 1	0 21	24 19	0 35	25 38	6 20	23 36	0 15	8 42	2 17	2 45	0 36	21 18	0 26	20 9	2 6	9 58	9 27	17 1			n.a.
S 10	23 18	19 9	4 0	24 15	0 32	24 20	0 37	25 43	6 23	23 35	0 15	8 42	2 16	2 46	0 36	21 19	0 26	20 8	2 6	10 1	9 28	17 1			n.a.
S 11	23 13	18 16	3 16	24 27	0 43	24 21	0 39	25 49	6 26	23 35	0 15	8 42	2 16	2 46	0 36	21 19	0 26	20 8	2 5	10 4	9 29	17 0			n.a.
M12	23 7	16 35	2 23	24 37	0 52	24 20	0 41	25 54	6 29	23 35	0 15	8 43	2 16	2 47	0 36	21 19	0 27	20 8	2 5	10 6	9 30	16 59			n.a.
T 13	23 1	14 13	1 24	24 44	1 1	24 19	0 43	25 59	6 32	23 34	0 15	8 43	2 16	2 47	0 36	21 20	0 27	20 8	2 5	10 8	9 32	16 58			n.a.
W14	22 55	11 15	0 22	24 49	1 9	24 18	0 45	26 4	6 34	23 34	0 16	8 43	2 15	2 48	0 36	21 20	0 27	20 8	2 5	10 8	9 33	16 57			n.a.
T 15	22 49	7 49	0s42	24 50	1 17	24 15	0 47	26 10	6 37	23 33	0 16	8 44	2 15	2 48	0 36	21 20	0 27	20 8	2 5	10 8	9 34	16 56			n.a.
F 16	22 41	4 2	1 46	24 49	1 23	24 12	0 49	26 15	6 39	23 33	0 16	8 44	2 15	2 49	0 36	21 21	0 27	20 8	2 5	10 8	9 35	16 56			n.a.
S 17	22 34	0 1	2 45	24 46	1 29	24 8	0 51	26 20	6 41	23 33	0 16	8 45	2 15	2 49	0 36	21 21	0 27	20 8	2 5	10 7	9 36	16 55			n.a.
S 18	22 26	4n 5	3 38	24 40	1 34	24 3	0 53	26 25	6 43	23 32	0 16	8 46	2 14	2 50	0 36	21 21	0 27	20 8	2 5	10 7	9 37	16 54			n.a.
M19	22 18	8 8	4 22	24 31	1 38	23 57	0 55	26 30	6 45	23 32	0 16	8 46	2 14	2 50	0 36	21 22	0 27	20 8	2 4	10 7	9 39	16 53			n.a.
T 20	22 9	11 54	4 53	24 19	1 41	23 51	0 56	26 35	6 46	23 32	0 16	8 47	2 14	2 51	0 36	21 22	0 27	20 8	2 4	10 8	9 40	16 52			n.a.
W21	22 0	15 10	5 9	24 5	1 44	23 44	0 58	26 40	6 48	23 31	0 16	8 47	2 13	2 52	0 36	21 22	0 27	20 8	2 4	10 10	9 41	16 51			n.a.
T 22	21 51	17 38	5 6	23 49	1 46	23 37	1 0	26 45	6 49	23 31	0 17	8 48	2 13	2 52	0 36	21 23	0 27	20 8	2 4	10 12	9 42	16 51			n.a.
F 23	21 41	19 1	4 43	23 30	1 47	23 28	1 1	26 50	6 50	23 31	0 17	8 49	2 13	2 53	0 35	21 23	0 27	20 8	2 4	10 14	9 43	16 50			n.a.
S 24	21 31	19 6	4 0	23 10	1 47	23 19	1 3	26 54	6 51	23 30	0 17	8 50	2 13	2 53	0 35	21 23	0 27	20 8	2 4	10 16	9 45	16 49			n.a.
S 25	21 20	17 49	3 0	22 47	1 47	23 9	1 5	26 58	6 51	23 30	0 17	8 50	2 12	2 54	0 35	21 24	0 27	20 8	2 4	10 18	9 46	16 48			n.a.
M26	21 10	15 16	1 47	22 22	1 46	22 59	1 6	27 2	6 52	23 30	0 17	8 51	2 12	2 55	0 35	21 24	0 27	20 8	2 3	10 19	9 47	16 47			n.a.
T 27	20 58	11 42	0 27	21 56	1 45	22 48	1 8	27 6	6 52	23 29	0 17	8 52	2 12	2 56	0 35	21 24	0 27	20 8	2 3	10 19	9 48	16 46			n.a.
W28	20 47	7 28	0n53	21 28	1 43	22 36	1 9	27 10	6 52	23 29	0 17	8 53	2 12	2 56	0 35	21 25	0 27	20 8	2 3	10 19	9 49	16 46			n.a.
T 29	20 35	2 55	2 8	20 59	1 41	22 23	1 10	27 13	6 52	23 29	0 17	8 54	2 11	2 57	0 35	21 25	0 27	20 8	2 3	10 19	9 50	16 45			n.a.
F 30	20 22	1s40	3 13	20 28	1 38	22 10	1 12	27 16	6 51	23 28	0 17	8 55	2 11	2 58	0 35	21 25	0 27	20 8	2 3	10 18	9 52	16 44			n.a.
S 31	20n 9	6s 0	4n 5	19n56	1n35	21n56	1n13	27s19	6s51	23s28	0s18	8s56	2n11	2s59	0n35	21s26	0s27	20s 8	2n 3	10n18	9n53	16s43			n.a.

Julian Day Number = 1553589.5, Delta T = 04h29m07s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'07, Lahiri = -10°18'06 Julian Calendar 1 July 460 BCE == Greg. Calendar 26 June 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

AUGUST 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 15 39	2♌ 7'53	8♏ 7	10♌ 9	29♋39	28°R40	17°R44	28♎13	8♎48	27°R 9	9°R28	3°R38	4♍44	5♒29	n.a.	S 1
M 2	20 19 35	3° 6'03	20°54	11°57	0♌53	28♉24	17♐40	28°16	8°50	27♉ 8	9♐27	3♍37	4°41	5°36	n.a.	M 2
T 3	20 23 32	4° 4'15	3♐24	13°43	2° 8	28° 8	17°37	28°18	8°52	27° 6	9°26	3°34	4°38	5°43	n.a.	T 3
W 4	20 27 28	5° 2'28	15°40	15°29	3°22	27°53	17°34	28°21	8°54	27° 4	9°26	3°30	4°34	5°49	n.a.	W 4
T 5	20 31 25	6° 0'43	27°46	17°13	4°37	27°38	17°31	28°23	8°56	27° 3	9°25	3°26	4°31	5°56	n.a.	T 5
F 6	20 35 22	6°59'00	9♉44	18°56	5°52	27°23	17°28	28°26	8°58	27° 1	9°24	3°21	4°28	6° 3	n.a.	F 6
S 7	20 39 18	7°57'19	21°37	20°38	7° 6	27° 8	17°26	28°29	9° 0	27° 0	9°24	3°17	4°25	6° 9	n.a.	S 7
S 8	20 43 15	8°55'40	3♒27	22°19	8°21	26°54	17°24	28°31	9° 3	26°58	9°23	3°14	4°22	6°16	n.a.	S 8
M 9	20 47 11	9°54'02	15°16	23°58	9°36	26°41	17°21	28°34	9° 5	26°56	9°23	3°11	4°18	6°23	n.a.	M 9
T 10	20 51 8	10°52'27	27° 6	25°37	10°50	26°28	17°19	28°37	9° 7	26°55	9°22	3°10	4°15	6°29	n.a.	T 10
W11	20 55 4	11°50'53	8♓58	27°14	12° 5	26°15	17°18	28°40	9°10	26°53	9°22	3°D10	4°12	6°36	n.a.	W11
T 12	20 59 1	12°49'22	20°57	28°50	13°20	26° 4	17°16	28°43	9°12	26°52	9°21	3°11	4° 9	6°43	n.a.	T 12
F 13	21 2 57	13°47'53	3♈ 5	0♍26	14°35	25°52	17°15	28°47	9°15	26°50	9°21	3°12	4° 6	6°49	n.a.	F 13
S 14	21 6 54	14°46'26	15°25	2° 0	15°49	25°42	17°14	28°50	9°17	26°49	9°20	3°14	4° 3	6°56	n.a.	S 14
S 15	21 10 51	15°45'01	28° 0	3°33	17° 4	25°32	17°13	28°53	9°20	26°47	9°20	3°15	3°59	7° 3	n.a.	S 15
M16	21 14 47	16°43'39	10♉55	5° 5	18°19	25°22	17°12	28°57	9°22	26°45	9°20	3°R16	3°56	7° 9	n.a.	M16
T 17	21 18 44	17°42'19	24°12	6°36	19°34	25°13	17°11	29° 1	9°25	26°44	9°19	3°16	3°53	7°16	n.a.	T 17
W18	21 22 40	18°41'02	7♊55	8° 5	20°49	25° 5	17°11	29° 4	9°28	26°42	9°19	3°15	3°50	7°22	n.a.	W18
T 19	21 26 37	19°39'46	22° 3	9°34	22° 4	24°58	17°10	29° 8	9°30	26°41	9°19	3°14	3°47	7°29	n.a.	T 19
F 20	21 30 33	20°38'34	6♋35	11° 2	23°18	24°51	17°D10	29°12	9°33	26°40	9°18	3°12	3°44	7°36	n.a.	F 20
S 21	21 34 30	21°37'23	21°28	12°29	24°33	24°46	17°11	29°16	9°36	26°38	9°18	3°11	3°40	7°42	n.a.	S 21
S 22	21 38 26	22°36'15	6♌33	13°54	25°48	24°41	17°11	29°20	9°39	26°37	9°18	3°10	3°37	7°49	n.a.	S 22
M23	21 42 23	23°35'09	21°44	15°19	27° 3	24°36	17°12	29°24	9°42	26°35	9°18	3° 9	3°34	7°56	n.a.	M23
T 24	21 46 19	24°34'05	6♍49	16°42	28°18	24°33	17°12	29°28	9°44	26°34	9°18	3°D 9	3°31	8° 2	n.a.	T 24
W25	21 50 16	25°33'04	21°40	18° 4	29°33	24°30	17°13	29°32	9°47	26°32	9°18	3° 9	3°28	8° 9	n.a.	W25
T 26	21 54 13	26°32'04	6♎11	19°25	0♍48	24°28	17°14	29°36	9°50	26°31	9°18	3°10	3°24	8°16	n.a.	T 26
F 27	21 58 9	27°31'06	20°17	20°44	2° 3	24°27	17°16	29°41	9°53	26°30	9°18	3°10	3°21	8°22	n.a.	F 27
S 28	22 2 6	28°30'10	3♏55	22° 3	3°18	24°D27	17°17	29°45	9°56	26°28	9°D18	3°11	3°18	8°29	n.a.	S 28
S 29	22 6 2	29°29'16	17° 8	23°20	4°33	24°28	17°19	29°50	9°59	26°27	9°18	3°11	3°15	8°36	n.a.	S 29
M30	22 9 59	0♍28'23	29°57	24°35	5°48	24°29	17°21	29°54	10° 3	26°26	9°18	3°R11	3°12	8°42	n.a.	M30
T 31	22 13 55	1♍27'33	12♐26	25♍49	7♍ 3	24♉31	17♐23	29♎59	10♎ 6	26♉24	9♐18	3♍11	3♍ 9	8♒49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	19n56	9s56	4n43	19n23	1n31	21n41	1n14	27s22	6s50	23s28	0s18	8s57	2n11	3s 0	0n35	21s26	0s27	20s 8	2n 2	10n18	9n54	16s42			n.a.
M 2	19 43	13 18	5 6	18 49	1 27	21 26	1 15	27 25	6 49	23 28	0 18	8 58	2 10	3 0	0 35	21 26	0 27	20 8	2 2	10 19	9 55	16 41			n.a.
T 3	19 29	15 59	5 13	18 14	1 23	21 10	1 16	27 27	6 48	23 28	0 18	8 59	2 10	3 1	0 35	21 27	0 27	20 8	2 2	10 20	9 56	16 40			n.a.
W 4	19 15	17 53	5 6	17 38	1 18	20 54	1 17	27 29	6 46	23 27	0 18	9 0	2 10	3 2	0 35	21 27	0 27	20 8	2 2	10 21	9 57	16 39			n.a.
T 5	19 1	18 58	4 46	17 2	1 13	20 37	1 18	27 30	6 45	23 27	0 18	9 1	2 10	3 3	0 35	21 27	0 27	20 8	2 2	10 23	9 59	16 39			n.a.
F 6	18 46	19 11	4 13	16 24	1 7	20 19	1 19	27 32	6 43	23 27	0 18	9 3	2 9	3 4	0 35	21 28	0 27	20 9	2 2	10 24	10 0	16 38			n.a.
S 7	18 31	18 33	3 29	15 46	1 2	20 1	1 20	27 33	6 41	23 27	0 18	9 4	2 9	3 5	0 35	21 28	0 27	20 9	2 2	10 26	10 1	16 37			n.a.
S 8	18 15	17 6	2 36	15 8	0 56	19 42	1 20	27 34	6 39	23 27	0 18	9 5	2 9	3 6	0 35	21 28	0 27	20 9	2 1	10 27	10 2	16 36			n.a.
M 9	18 0	14 55	1 37	14 29	0 50	19 23	1 21	27 34	6 37	23 27	0 18	9 6	2 9	3 7	0 35	21 29	0 27	20 9	2 1	10 28	10 3	16 35			n.a.
T 10	17 44	12 7	0 33	13 50	0 43	19 3	1 22	27 34	6 34	23 27	0 19	9 8	2 8	3 8	0 35	21 29	0 27	20 9	2 1	10 28	10 4	16 34			n.a.
W11	17 27	8 48	0s32	13 10	0 37	18 42	1 22	27 34	6 32	23 27	0 19	9 9	2 8	3 9	0 35	21 29	0 27	20 9	2 1	10 28	10 6	16 33			n.a.
T 12	17 11	5 7	1 37	12 30	0 30	18 21	1 23	27 34	6 29	23 26	0 19	9 10	2 8	3 10	0 35	21 30	0 27	20 9	2 1	10 28	10 7	16 32			n.a.
F 13	16 54	1 10	2 38	11 50	0 23	18 0	1 23	27 33	6 26	23 26	0 19	9 12	2 8	3 11	0 35	21 30	0 27	20 9	2 1	10 28	10 8	16 31			n.a.
S 14	16 37	2n52	3 33	11 9	0 16	17 38	1 24	27 33	6 23	23 26	0 19	9 13	2 7	3 12	0 35	21 30	0 27	20 9	2 0	10 27	10 9	16 30			n.a.
S 15	16 19	6 52	4 19	10 29	0 9	17 15	1 24	27 32	6 20	23 26	0 19	9 14	2 7	3 13	0 35	21 31	0 27	20 9	2 0	10 27	10 10	16 29			n.a.
M16	16 1	10 39	4 53	9 48	0 2	16 52	1 24	27 30	6 17	23 26	0 19	9 16	2 7	3 14	0 35	21 31	0 27	20 9	2 0	10 26	10 11	16 29			n.a.
T 17	15 43	14 1	5 13	9 7	0s 6	16 28	1 24	27 29	6 13	23 26	0 19	9 17	2 7	3 15	0 35	21 31	0 27	20 9	2 0	10 26	10 13	16 28			n.a.
W18	15 25	16 43	5 16	8 26	0 13	16 4	1 24	27 27	6 10	23 26	0 19	9 19	2 6	3 16	0 35	21 32	0 27	20 10	2 0	10 27	10 14	16 27			n.a.
T 19	15 7	18 31	5 0	7 46	0 21	15 40	1 25	27 25	6 6	23 27	0 19	9 20	2 6	3 17	0 35	21 32	0 27	20 10	2 0	10 27	10 15	16 26			n.a.
F 20	14 48	19 10	4 25	7 5	0 29	15 15	1 25	27 22	6 3	23 27	0 19	9 22	2 6	3 18	0 35	21 32	0 27	20 10	2 0	10 28	10 16	16 25			n.a.
S 21	14 29	18 32	3 31	6 24	0 36	14 50	1 24	27 20	5 59	23 27	0 20	9 24	2 6	3 19	0 35	21 32	0 27	20 10	1 59	10 28	10 17	16 24			n.a.
S 22	14 9	16 35	2 22	5 44	0 44	14 24	1 24	27 17	5 55	23 27	0 20	9 25	2 6	3 21	0 34	21 33	0 27	20 10	1 59	10 29	10 18	16 23			n.a.
M23	13 50	13 27	1 3	5 4	0 52	13 58	1 24	27 14	5 51	23 27	0 20	9 27	2 5	3 22	0 34	21 33	0 27	20 10	1 59	10 29	10 20	16 22			n.a.
T 24	13 30	9 26	0n20	4 24	1 0	13 31	1 24	27 11	5 47	23 27	0 20	9 29	2 5	3 23	0 34	21 33	0 27	20 10	1 59	10 29	10 21	16 21			n.a.
W25	13 10	4 53	1 41	3 45	1 7	13 5	1 23	27 7	5 43	23 27	0 20	9 30	2 5	3 24	0 34	21 34	0 27	20 10	1 59	10 29	10 22	16 20			n.a.
T 26	12 50	0 10	2 54	3 6	1 15	12 37	1 23	27 4	5 39	23 27	0 20	9 32	2 5	3 25	0 34	21 34	0 27	20 11	1 59	10 29	10 23	16 19			n.a.
F 27	12 29	4s26	3 53	2 27	1 23	12 10	1 23	27 0	5 35	23 28	0 20	9 34	2 5	3 26	0 34	21 34	0 27	20 11	1 58	10 28	10 24	16 18			n.a.
S 28	12 9	8 38	4 38	1 49	1 31	11 42	1 22	26 56	5 31	23 28	0 20	9 36	2 4	3 28	0 34	21 34	0 27	20 11	1 58	10 28	10 25	16 17			n.a.
S 29	11 48	12 17	5 6	1 11	1 38	11 14	1 22	26 51	5 27	23 28	0 20	9 37	2 4	3 29	0 34	21 35	0 27	20 11	1 58	10 28	10 27	16 16			n.a.
M30	11 27	15 14	5 17	0 34	1 46	10 45	1 21	26 47	5 23	23 28	0 20	9 39	2 4	3 30	0 34	21 35	0 27	20 11	1 58	10 28	10 28	16 15			n.a.
T 31	11n 6	17s23	5n14	0s 3	1s53	10n16	1n20	26s43	5s18	23s29	0s20	9s41	2n 4	3s31	0n34	21s35	0s27	20s11	1n58	10n28	10n29	16s14			n.a.

Julian Day Number = 1553620.5, Delta T = 04h29m06s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°25'03, Lahiri = -10°18'02 Julian Calendar 1 Aug. 460 BCE == Greg. Calendar 27 July 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

SEPTEMBER 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 17 52	2♍26'45	24♐39	27♍ 2	8♍18	24♑34	17♐25	0♏ 3	10♎ 9	26°R23	9♐18	3°R11	3♍ 5	8♒56	n.a.	W 1
T 2	22 21 48	3°25'58	6♑40	28°12	9°33	24°38	17°28	0° 8	10°12	26♑22	9°18	3°D11	3° 2	9° 2	n.a.	T 2
F 3	22 25 45	4°25'14	18°33	29°21	10°48	24°42	17°31	0°13	10°15	26°21	9°18	3♍11	2°59	9° 9	n.a.	F 3
S 4	22 29 42	5°24'31	0♒22	0♎28	12° 3	24°48	17°33	0°18	10°18	26°19	9°18	3°11	2°56	9°16	n.a.	S 4
S 5	22 33 38	6°23'50	12°11	1°33	13°18	24°54	17°37	0°23	10°22	26°18	9°19	3°12	2°53	9°22	n.a.	S 5
M 6	22 37 35	7°23'12	24° 1	2°35	14°33	25° 1	17°40	0°28	10°25	26°17	9°19	3°12	2°50	9°29	n.a.	M 6
T 7	22 41 31	8°22'35	5♓57	3°35	15°48	25° 8	17°43	0°33	10°28	26°16	9°19	3°R12	2°46	9°36	n.a.	T 7
W 8	22 45 28	9°22'01	17°59	4°32	17° 3	25°16	17°47	0°38	10°32	26°15	9°20	3°12	2°43	9°42	n.a.	W 8
T 9	22 49 24	10°21'29	0♈ 9	5°27	18°18	25°25	17°51	0°43	10°35	26°14	9°20	3°11	2°40	9°49	n.a.	T 9
F 10	22 53 21	11°20'59	12°30	6°17	19°33	25°35	17°55	0°49	10°38	26°13	9°20	3°10	2°37	9°56	n.a.	F 10
S 11	22 57 17	12°20'31	25° 2	7° 5	20°49	25°45	17°59	0°54	10°42	26°12	9°21	3° 9	2°34	10° 2	n.a.	S 11
S 12	23 1 14	13°20'06	7♉48	7°48	22° 4	25°56	18° 3	1° 0	10°45	26°11	9°21	3° 8	2°30	10° 9	n.a.	S 12
M13	23 5 10	14°19'43	20°49	8°27	23°19	26° 8	18° 8	1° 5	10°49	26°10	9°22	3° 7	2°27	10°16	n.a.	M13
T 14	23 9 7	15°19'22	4♊ 8	9° 2	24°34	26°21	18°12	1°10	10°52	26° 9	9°22	3° 6	2°24	10°22	n.a.	T 14
W15	23 13 4	16°19'04	17°45	9°31	25°49	26°34	18°17	1°16	10°56	26° 8	9°23	3°D 6	2°21	10°29	n.a.	W15
T 16	23 17 0	17°18'49	1♋41	9°54	27° 4	26°47	18°22	1°22	10°59	26° 7	9°23	3° 6	2°18	10°36	n.a.	T 16
F 17	23 20 57	18°18'36	15°55	10°12	28°19	27° 1	18°27	1°27	11° 3	26° 6	9°24	3° 7	2°15	10°42	n.a.	F 17
S 18	23 24 53	19°18'25	0♌27	10°22	29°34	27°16	18°33	1°33	11° 6	26° 5	9°25	3° 8	2°11	10°49	n.a.	S 18
S 19	23 28 50	20°18'16	15°12	10°R25	0♎49	27°32	18°38	1°39	11°10	26° 5	9°25	3° 9	2° 8	10°56	n.a.	S 19
M20	23 32 46	21°18'10	0♍ 4	10°21	2° 4	27°48	18°44	1°45	11°13	26° 4	9°26	3°R10	2° 5	11° 2	n.a.	M20
T 21	23 36 43	22°18'06	14°56	10° 8	3°19	28° 5	18°50	1°51	11°17	26° 3	9°27	3° 9	2° 2	11° 9	n.a.	T 21
W22	23 40 39	23°18'04	29°41	9°46	4°35	28°22	18°56	1°57	11°21	26° 2	9°27	3° 8	1°59	11°16	n.a.	W22
T 23	23 44 36	24°18'04	14♎11	9°15	5°50	28°40	19° 2	2° 3	11°24	26° 2	9°28	3° 6	1°55	11°22	n.a.	T 23
F 24	23 48 32	25°18'05	28°21	8°35	7° 5	28°58	19° 9	2° 9	11°28	26° 1	9°29	3° 3	1°52	11°29	n.a.	F 24
S 25	23 52 29	26°18'09	12♏ 5	7°46	8°20	29°17	19°15	2°15	11°31	26° 0	9°30	2°59	1°49	11°35	n.a.	S 25
S 26	23 56 26	27°18'15	25°24	6°49	9°35	29°36	19°22	2°21	11°35	26° 0	9°31	2°56	1°46	11°42	n.a.	S 26
M27	0 0 22	28°18'22	8♐18	5°44	10°50	29°56	19°29	2°27	11°39	25°59	9°32	2°53	1°43	11°49	n.a.	M27
T 28	0 4 19	29°18'31	20°50	4°33	12° 5	0♒17	19°36	2°33	11°42	25°59	9°33	2°52	1°40	11°55	n.a.	T 28
W29	0 8 15	0♎18'42	3♑ 4	3°18	13°20	0°38	19°43	2°39	11°46	25°58	9°33	2°D52	1°36	12° 2	n.a.	W29
T 30	0 12 12	1♎18'54	15♑ 4	2♎ 0	14♎35	0♒59	19♐50	2♏46	11♎50	25♑58	9♐34	2♍52	1♍33	12♒ 9	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n44	18s43	4n56	0s39	2s 1	9n47	1n19	26s38	5s14	23s29	0s20	9s43	2n 3	3s33	0n34	21s35	0s27	20s12	1n58	10n28	10n30	16s13		n.a.
T 2	10 23	19 10	4 25	1 14	2 8	9 18	1 19	26 33	5 10	23 29	0 20	9 45	2 3	3 34	0 34	21 36	0 27	20 12	1 57	10 28	10 31	16 12		n.a.
F 3	10 1	18 45	3 44	1 48	2 15	8 48	1 18	26 28	5 5	23 30	0 21	9 47	2 3	3 35	0 34	21 36	0 27	20 12	1 57	10 28	10 32	16 11		n.a.
S 4	9 39	17 31	2 53	2 21	2 22	8 18	1 17	26 23	5 1	23 30	0 21	9 48	2 3	3 37	0 34	21 36	0 27	20 12	1 57	10 28	10 34	16 10		n.a.
S 5	9 17	15 32	1 54	2 53	2 29	7 48	1 16	26 17	4 57	23 30	0 21	9 50	2 3	3 38	0 34	21 36	0 27	20 12	1 57	10 28	10 35	16 9		n.a.
M 6	8 54	12 53	0 51	3 24	2 35	7 18	1 15	26 12	4 53	23 31	0 21	9 52	2 2	3 39	0 34	21 37	0 27	20 13	1 57	10 28	10 36	16 8		n.a.
T 7	8 32	9 41	0s15	3 54	2 41	6 48	1 13	26 6	4 48	23 31	0 21	9 54	2 2	3 41	0 34	21 37	0 27	20 13	1 57	10 28	10 37	16 7		n.a.
W 8	8 10	6 3	1 21	4 23	2 47	6 17	1 12	26 1	4 44	23 31	0 21	9 56	2 2	3 42	0 34	21 37	0 27	20 13	1 57	10 28	10 38	16 6		n.a.
T 9	7 47	2 8	2 24	4 49	2 53	5 46	1 11	25 55	4 40	23 32	0 21	9 58	2 2	3 43	0 34	21 37	0 27	20 13	1 56	10 28	10 39	16 5		n.a.
F 10	7 24	1n55	3 21	5 15	2 58	5 15	1 10	25 49	4 36	23 32	0 21	10 0	2 2	3 45	0 34	21 37	0 27	20 13	1 56	10 28	10 41	16 4		n.a.
S 11	7 1	5 56	4 10	5 38	3 2	4 44	1 8	25 43	4 31	23 33	0 21	10 2	2 2	3 46	0 34	21 38	0 27	20 14	1 56	10 29	10 42	16 3		n.a.
S 12	6 38	9 46	4 47	5 59	3 6	4 13	1 7	25 36	4 27	23 33	0 21	10 4	2 1	3 47	0 34	21 38	0 27	20 14	1 56	10 29	10 43	16 2		n.a.
M13	6 15	13 13	5 10	6 18	3 10	3 41	1 5	25 30	4 23	23 34	0 21	10 7	2 1	3 49	0 34	21 38	0 27	20 14	1 56	10 30	10 44	16 1		n.a.
T 14	5 51	16 3	5 17	6 34	3 13	3 10	1 4	25 23	4 19	23 34	0 21	10 9	2 1	3 50	0 34	21 38	0 27	20 14	1 56	10 30	10 45	16 0		n.a.
W15	5 28	18 5	5 7	6 48	3 15	2 38	1 2	25 17	4 15	23 35	0 21	10 11	2 1	3 52	0 34	21 38	0 27	20 15	1 55	10 30	10 46	15 59		n.a.
T 16	5 4	19 6	4 39	6 58	3 16	2 6	1 1	25 10	4 11	23 35	0 21	10 13	2 1	3 53	0 34	21 38	0 27	20 15	1 55	10 30	10 47	15 58		n.a.
F 17	4 41	18 56	3 53	7 6	3 17	1 35	0 59	25 3	4 7	23 36	0 21	10 15	2 1	3 54	0 34	21 39	0 27	20 15	1 55	10 30	10 49	15 57		n.a.
S 18	4 17	17 31	2 51	7 9	3 16	1 3	0 57	24 56	4 3	23 36	0 21	10 17	2 0	3 56	0 34	21 39	0 27	20 15	1 55	10 29	10 50	15 56		n.a.
S 19	3 53	14 56	1 38	7 9	3 14	0 31	0 55	24 49	3 59	23 37	0 22	10 19	2 0	3 57	0 34	21 39	0 27	20 16	1 55	10 29	10 51	15 55		n.a.
M20	3 29	11 20	0 17	7 4	3 11	0s 1	0 54	24 42	3 55	23 37	0 22	10 22	2 0	3 59	0 34	21 39	0 27	20 16	1 55	10 29	10 52	15 54		n.a.
T 21	3 6	7 0	1n 5	6 54	3 6	0 33	0 52	24 35	3 51	23 38	0 22	10 24	2 0	4 0	0 34	21 39	0 27	20 16	1 54	10 29	10 53	15 53		n.a.
W22	2 42	2 17	2 21	6 40	3 0	1 5	0 50	24 27	3 47	23 38	0 22	10 26	2 0	4 2	0 34	21 39	0 27	20 16	1 54	10 29	10 54	15 52		n.a.
T 23	2 18	2s29	3 28	6 20	2 52	1 37	0 48	24 20	3 43	23 39	0 22	10 28	2 0	4 3	0 34	21 39	0 27	20 17	1 54	10 30	10 56	15 51		n.a.
F 24	1 53	6 59	4 19	5 55	2 42	2 9	0 46	24 12	3 39	23 40	0 22	10 30	1 59	4 4	0 34	21 40	0 27	20 17	1 54	10 31	10 57	15 50		n.a.
S 25	1 29	11 0	4 54	5 25	2 30	2 41	0 44	24 4	3 35	23 40	0 22	10 33	1 59	4 6	0 34	21 40	0 27	20 17	1 54	10 32	10 58	15 49		n.a.
S 26	1 5	14 19	5 12	4 50	2 17	3 12	0 42	23 56	3 31	23 41	0 22	10 35	1 59	4 7	0 34	21 40	0 27	20 17	1 54	10 34	10 59	15 48		n.a.
M27	0 41	16 49	5 13	4 10	2 1	3 44	0 40	23 48	3 28	23 41	0 22	10 37	1 59	4 9	0 34	21 40	0 27	20 18	1 54	10 35	11 0	15 47		n.a.
T 28	0 17	18 27	5 0	3 25	1 44	4 16	0 38	23 40	3 24	23 42	0 22	10 39	1 59	4 10	0 34	21 40	0 27	20 18	1 53	10 35	11 1	15 46		n.a.
W29	0s 8	19 11	4 32	2 38	1 26	4 47	0 35	23 32	3 20	23 43	0 22	10 42	1 59	4 12	0 34	21 40	0 27	20 18	1 53	10 35	11 2	15 45		n.a.
T 30	0s32	19s 1	3n54	1s49	1s 6	5s19	0n33	23s24	3s17	23s43	0s22	10s44	1n59	4s13	0n34	21s40	0s27	20s19	1n53	10n35	11n 4	15s44		n.a.

Julian Day Number = 1553651.5, Delta T = 04h29m04s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'58, Lahiri = -10°17'58 Julian Calendar 1 Sept. 460 BCE == Greg. Calendar 27 Aug. 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

OCTOBER 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 16 8	2♎19'08	26♉56	0°R42	15♎51	1♒21	19♐58	2♏52	11♎54	25°R57	9♐35	2♍54	1♍30	12♒15	n.a.	F 1
S 2	0 20 5	3°19'24	8♒44	29♍27	17° 6	1°43	20° 5	2°58	11°57	25♉57	9°37	2°56	1°27	12°22	n.a.	S 2
S 3	0 24 1	4°19'41	20°33	28°17	18°21	2° 6	20°13	3° 5	12° 1	25°57	9°38	2°57	1°24	12°29	n.a.	S 3
M 4	0 27 58	5°20'00	2♓27	27°13	19°36	2°29	20°21	3°11	12° 5	25°56	9°39	2°R58	1°21	12°35	n.a.	M 4
T 5	0 31 55	6°20'21	14°30	26°19	20°51	2°53	20°29	3°18	12° 9	25°56	9°40	2°57	1°17	12°42	n.a.	T 5
W 6	0 35 51	7°20'43	26°43	25°35	22° 6	3°17	20°37	3°24	12°12	25°56	9°41	2°55	1°14	12°49	n.a.	W 6
T 7	0 39 48	8°21'07	9♈ 9	25° 2	23°21	3°41	20°46	3°31	12°16	25°55	9°42	2°51	1°11	12°55	n.a.	T 7
F 8	0 43 44	9°21'33	21°48	24°40	24°36	4° 6	20°54	3°37	12°20	25°55	9°43	2°45	1° 8	13° 2	n.a.	F 8
S 9	0 47 41	10°22'00	4♉41	24°D31	25°51	4°31	21° 3	3°44	12°24	25°55	9°45	2°39	1° 5	13° 9	n.a.	S 9
S 10	0 51 37	11°22'30	17°47	24°33	27° 6	4°56	21°12	3°51	12°27	25°55	9°46	2°32	1° 1	13°15	n.a.	S 10
M11	0 55 34	12°23'02	1♊ 6	24°45	28°21	5°22	21°21	3°57	12°31	25°55	9°47	2°26	0°58	13°22	n.a.	M11
T 12	0 59 30	13°23'35	14°36	25° 8	29°36	5°48	21°30	4° 4	12°35	25°55	9°48	2°21	0°55	13°29	n.a.	T 12
W13	1 3 27	14°24'10	28°18	25°40	0♏51	6°15	21°39	4°11	12°39	25°D55	9°50	2°18	0°52	13°35	n.a.	W13
T 14	1 7 24	15°24'48	12♋11	26°20	2° 6	6°42	21°48	4°17	12°42	25°55	9°51	2°D16	0°49	13°42	n.a.	T 14
F 15	1 11 20	16°25'27	26°14	27° 8	3°21	7° 9	21°57	4°24	12°46	25°55	9°52	2°17	0°46	13°49	n.a.	F 15
S 16	1 15 17	17°26'08	10♌26	28° 2	4°36	7°36	22° 7	4°31	12°50	25°55	9°54	2°18	0°42	13°55	n.a.	S 16
S 17	1 19 13	18°26'51	24°47	29° 2	5°51	8° 4	22°17	4°38	12°54	25°55	9°55	2°19	0°39	14° 2	n.a.	S 17
M18	1 23 10	19°27'35	9♍12	0♎ 8	7° 6	8°32	22°26	4°45	12°57	25°55	9°57	2°R19	0°36	14° 8	n.a.	M18
T 19	1 27 6	20°28'22	23°40	1°17	8°21	9° 1	22°36	4°51	13° 1	25°55	9°58	2°17	0°33	14°15	n.a.	T 19
W20	1 31 3	21°29'10	8♎ 3	2°30	9°36	9°29	22°46	4°58	13° 5	25°55	10° 0	2°13	0°30	14°22	n.a.	W20
T 21	1 34 59	22°29'59	22°17	3°47	10°51	9°58	22°56	5° 5	13° 9	25°56	10° 1	2° 6	0°26	14°28	n.a.	T 21
F 22	1 38 56	23°30'50	6♏17	5° 6	12° 6	10°27	23° 7	5°12	13°12	25°56	10° 3	1°58	0°23	14°35	n.a.	F 22
S 23	1 42 52	24°31'42	19°57	6°28	13°21	10°57	23°17	5°19	13°16	25°56	10° 4	1°48	0°20	14°42	n.a.	S 23
S 24	1 46 49	25°32'36	3♐15	7°51	14°36	11°27	23°27	5°26	13°20	25°57	10° 6	1°39	0°17	14°48	n.a.	S 24
M25	1 50 46	26°33'30	16°11	9°16	15°51	11°57	23°38	5°33	13°23	25°57	10° 8	1°31	0°14	14°55	n.a.	M25
T 26	1 54 42	27°34'26	28°45	10°42	17° 6	12°27	23°49	5°40	13°27	25°57	10° 9	1°24	0°11	15° 2	n.a.	T 26
W27	1 58 39	28°35'23	11♑ 0	12°10	18°21	12°57	23°59	5°47	13°31	25°58	10°11	1°20	0° 7	15° 8	n.a.	W27
T 28	2 2 35	29°36'20	23° 1	13°39	19°36	13°28	24°10	5°54	13°34	25°58	10°12	1°18	0° 4	15°15	n.a.	T 28
F 29	2 6 32	0♏37'19	4♒53	15° 8	20°51	13°59	24°21	6° 1	13°38	25°59	10°14	1°D18	0° 1	15°22	n.a.	F 29
S 30	2 10 28	1°38'18	16°41	16°38	22° 6	14°30	24°32	6° 8	13°42	25°59	10°16	1°19	29♌58	15°28	n.a.	S 30
S 31	2 14 25	2♏39'18	28♒30	18♎ 9	23♏21	15♒ 2	24♐44	6♏15	13♎45	26♉ 0	10♐18	1°R20	29♌55	15♒35	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s56	18s 1	3n 5	0s59	0s46	5s50	0n31	23s15	3s13	23s44	0s22	10s46	1n58	4s15	0n34	21s40	0s27	20s19	1n53	10n34	11n 5	15s43		n.a.
S 2	1 20	16 14	2 9	0 10	0 25	6 22	0 29	23 7	3 10	23 45	0 22	10 49	1 58	4 16	0 34	21 40	0 27	20 19	1 53	10 34	11 6	15 42		n.a.
S 3	1 44	13 46	1 8	0n37	0 5	6 53	0 26	22 58	3 6	23 45	0 22	10 51	1 58	4 18	0 34	21 40	0 27	20 20	1 53	10 33	11 7	15 41		n.a.
M 4	2 9	10 41	0 3	1 21	0n15	7 24	0 24	22 49	3 3	23 46	0 22	10 53	1 58	4 19	0 34	21 40	0 27	20 20	1 52	10 33	11 8	15 39		n.a.
T 5	2 33	7 9	1s 3	2 0	0 34	7 54	0 22	22 40	2 59	23 47	0 22	10 56	1 58	4 21	0 34	21 41	0 27	20 20	1 52	10 33	11 9	15 38		n.a.
W 6	2 57	3 15	2 6	2 34	0 52	8 25	0 19	22 32	2 56	23 47	0 23	10 58	1 58	4 22	0 34	21 41	0 27	20 20	1 52	10 34	11 10	15 37		n.a.
T 7	3 21	0n51	3 5	3 2	1 8	8 55	0 17	22 22	2 53	23 48	0 23	11 0	1 58	4 24	0 34	21 41	0 27	20 21	1 52	10 35	11 12	15 36		n.a.
F 8	3 45	4 58	3 55	3 24	1 23	9 26	0 14	22 13	2 49	23 49	0 23	11 3	1 58	4 25	0 34	21 41	0 27	20 21	1 52	10 37	11 13	15 35		n.a.
S 9	4 9	8 57	4 34	3 40	1 35	9 56	0 12	22 4	2 46	23 49	0 23	11 5	1 57	4 27	0 34	21 41	0 27	20 21	1 52	10 40	11 14	15 34		n.a.
S 10	4 33	12 33	5 0	3 49	1 46	10 25	0 10	21 55	2 43	23 50	0 23	11 7	1 57	4 28	0 34	21 41	0 27	20 22	1 52	10 42	11 15	15 33		n.a.
M11	4 57	15 35	5 10	3 52	1 55	10 55	0 7	21 45	2 40	23 50	0 23	11 10	1 57	4 30	0 34	21 41	0 27	20 22	1 51	10 45	11 16	15 32		n.a.
T 12	5 21	17 50	5 3	3 50	2 3	11 24	0 5	21 35	2 37	23 51	0 23	11 12	1 57	4 31	0 34	21 41	0 27	20 22	1 51	10 46	11 17	15 31		n.a.
W13	5 45	19 5	4 39	3 43	2 9	11 53	0 2	21 26	2 34	23 52	0 23	11 14	1 57	4 33	0 34	21 41	0 27	20 23	1 51	10 48	11 18	15 30		n.a.
T 14	6 9	19 14	3 58	3 30	2 13	12 22	0s 0	21 16	2 31	23 52	0 23	11 17	1 57	4 34	0 34	21 41	0 27	20 23	1 51	10 48	11 20	15 29		n.a.
F 15	6 32	18 11	3 3	3 14	2 16	12 50	0 3	21 6	2 27	23 53	0 23	11 19	1 57	4 36	0 34	21 41	0 27	20 23	1 51	10 48	11 21	15 27		n.a.
S 16	6 56	16 0	1 56	2 54	2 18	13 18	0 5	20 56	2 25	23 54	0 23	11 22	1 57	4 37	0 34	21 41	0 27	20 24	1 51	10 47	11 22	15 26		n.a.
S 17	7 19	12 47	0 41	2 30	2 19	13 46	0 8	20 46	2 22	23 54	0 23	11 24	1 57	4 38	0 34	21 41	0 27	20 24	1 51	10 47	11 23	15 25		n.a.
M18	7 43	8 48	0n37	2 4	2 19	14 14	0 11	20 35	2 19	23 55	0 23	11 26	1 57	4 40	0 34	21 41	0 27	20 24	1 50	10 47	11 24	15 24		n.a.
T 19	8 6	4 16	1 53	1 35	2 17	14 41	0 13	20 25	2 16	23 56	0 23	11 29	1 57	4 41	0 34	21 41	0 27	20 25	1 50	10 48	11 25	15 23		n.a.
W20	8 29	0s29	3 1	1 4	2 16	15 7	0 16	20 14	2 13	23 56	0 23	11 31	1 56	4 43	0 34	21 41	0 27	20 25	1 50	10 49	11 26	15 22		n.a.
T 21	8 52	5 8	3 56	0 30	2 13	15 34	0 18	20 4	2 10	23 57	0 23	11 34	1 56	4 44	0 34	21 41	0 27	20 26	1 50	10 52	11 28	15 21		n.a.
F 22	9 15	9 26	4 36	0s 4	2 10	16 0	0 21	19 53	2 7	23 57	0 23	11 36	1 56	4 46	0 34	21 40	0 27	20 26	1 50	10 55	11 29	15 20		n.a.
S 23	9 37	13 9	5 0	0 40	2 6	16 25	0 23	19 42	2 5	23 58	0 23	11 38	1 56	4 47	0 34	21 40	0 27	20 26	1 50	10 58	11 30	15 18		n.a.
S 24	10 0	16 4	5 6	1 18	2 2	16 50	0 26	19 31	2 2	23 59	0 24	11 41	1 56	4 49	0 34	21 40	0 27	20 27	1 50	11 2	11 31	15 17		n.a.
M25	10 22	18 6	4 56	1 56	1 57	17 15	0 28	19 20	1 59	23 59	0 24	11 43	1 56	4 50	0 34	21 40	0 27	20 27	1 50	11 5	11 32	15 16		n.a.
T 26	10 45	19 12	4 32	2 35	1 52	17 39	0 31	19 9	1 57	24 0	0 24	11 46	1 56	4 52	0 34	21 40	0 27	20 27	1 49	11 7	11 33	15 15		n.a.
W27	11 7	19 22	3 56	3 14	1 46	18 3	0 33	18 58	1 54	24 0	0 24	11 48	1 56	4 53	0 34	21 40	0 27	20 28	1 49	11 8	11 34	15 14		n.a.
T 28	11 29	18 38	3 11	3 54	1 41	18 26	0 36	18 46	1 52	24 1	0 24	11 50	1 56	4 55	0 34	21 40	0 27	20 28	1 49	11 9	11 35	15 13		n.a.
F 29	11 50	17 5	2 17	4 35	1 35	18 49	0 38	18 35	1 49	24 1	0 24	11 53	1 56	4 56	0 34	21 40	0 27	20 28	1 49	11 9	11 37	15 12		n.a.
S 30	12 12	14 48	1 18	5 15	1 29	19 11	0 41	18 23	1 47	24 2	0 24	11 55	1 56	4 57	0 34	21 40	0 27	20 29	1 49	11 9	11 38	15 10		n.a.
S 31	12s33	11s55	0n15	5s56	1n22	19s33	0s43	18s12	1s44	24s 2	0s24	11s57	1n56	4s59	0n34	21s40	0s27	20s29	1n49	11n 9	11n39	15s 9		n.a.

Julian Day Number = 1553681.5, Delta T = 04h29m03s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'54, Lahiri = -10°17'54 Julian Calendar 1 Oct. 460 BCE == Greg. Calendar 26 Sept. 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

NOVEMBER 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 18 22	3♏40'19	10♓26	19♎40	24♏36	15♒33	24♐55	6♏22	13♎49	26♑ 1	10♐19	1°R19	29♌52	15♒42	n.a.	M 1
T 2	2 22 18	4°41'21	22°34	21°11	25°51	16° 5	25° 6	6°29	13°52	26° 1	10°21	1♍17	29°48	15°48	n.a.	T 2
W 3	2 26 15	5°42'24	4♈56	22°43	27° 6	16°37	25°18	6°36	13°56	26° 2	10°23	1°12	29°45	15°55	n.a.	W 3
T 4	2 30 11	6°43'27	17°36	24°15	28°21	17° 9	25°29	6°43	14° 0	26° 3	10°25	1° 4	29°42	16° 2	n.a.	T 4
F 5	2 34 8	7°44'32	0♉35	25°47	29°35	17°41	25°41	6°50	14° 3	26° 3	10°26	0°54	29°39	16° 8	n.a.	F 5
S 6	2 38 4	8°45'37	13°51	27°20	0♐50	18°14	25°53	6°57	14° 7	26° 4	10°28	0°43	29°36	16°15	n.a.	S 6
S 7	2 42 1	9°46'43	27°23	28°52	2° 5	18°47	26° 5	7° 4	14°10	26° 5	10°30	0°30	29°32	16°21	n.a.	S 7
M 8	2 45 57	10°47'50	11♊ 8	0♏25	3°20	19°19	26°16	7°11	14°14	26° 6	10°32	0°19	29°29	16°28	n.a.	M 8
T 9	2 49 54	11°48'58	25° 2	1°58	4°35	19°52	26°28	7°18	14°17	26° 7	10°34	0°10	29°26	16°35	n.a.	T 9
W10	2 53 51	12°50'07	9♋ 2	3°31	5°49	20°26	26°41	7°25	14°21	26° 8	10°36	0° 3	29°23	16°41	n.a.	W10
T 11	2 57 47	13°51'17	23° 6	5° 4	7° 4	20°59	26°53	7°32	14°24	26° 9	10°38	29♌59	29°20	16°48	n.a.	T 11
F 12	3 1 44	14°52'28	7♌10	6°37	8°19	21°32	27° 5	7°39	14°27	26°10	10°39	29°57	29°17	16°55	n.a.	F 12
S 13	3 5 40	15°53'40	21°15	8°11	9°34	22° 6	27°17	7°46	14°31	26°11	10°41	29°D57	29°13	17° 1	n.a.	S 13
S 14	3 9 37	16°54'53	5♍19	9°44	10°48	22°40	27°30	7°53	14°34	26°12	10°43	29°R57	29°10	17° 8	n.a.	S 14
M15	3 13 33	17°56'07	19°22	11°18	12° 3	23°14	27°42	8° 0	14°37	26°13	10°45	29°56	29° 7	17°15	n.a.	M15
T 16	3 17 30	18°57'21	3♎22	12°51	13°18	23°48	27°55	8° 7	14°41	26°14	10°47	29°52	29° 4	17°21	n.a.	T 16
W17	3 21 26	19°58'36	17°18	14°25	14°33	24°22	28° 7	8°14	14°44	26°15	10°49	29°46	29° 1	17°28	n.a.	W17
T 18	3 25 23	20°59'52	1♏ 6	15°59	15°47	24°56	28°20	8°21	14°47	26°16	10°51	29°36	28°58	17°35	n.a.	T 18
F 19	3 29 20	22° 1'08	14°44	17°33	17° 2	25°30	28°33	8°27	14°50	26°17	10°53	29°24	28°54	17°41	n.a.	F 19
S 20	3 33 16	23° 2'25	28° 7	19° 8	18°17	26° 5	28°46	8°34	14°53	26°19	10°55	29°10	28°51	17°48	n.a.	S 20
S 21	3 37 13	24° 3'42	11♐14	20°42	19°31	26°40	28°58	8°41	14°57	26°20	10°57	28°57	28°48	17°55	n.a.	S 21
M22	3 41 9	25° 4'59	24° 2	22°17	20°46	27°14	29°11	8°48	15° 0	26°21	10°59	28°44	28°45	18° 1	n.a.	M22
T 23	3 45 6	26° 6'16	6♑33	23°52	22° 0	27°49	29°24	8°55	15° 3	26°22	11° 1	28°34	28°42	18° 8	n.a.	T 23
W24	3 49 2	27° 7'34	18°46	25°27	23°15	28°24	29°38	9° 2	15° 6	26°24	11° 3	28°26	28°38	18°14	n.a.	W24
T 25	3 52 59	28° 8'51	0♒47	27° 2	24°30	28°59	29°51	9° 8	15° 9	26°25	11° 5	28°22	28°35	18°21	n.a.	T 25
F 26	3 56 55	29°10'08	12°38	28°38	25°44	29°35	0♑ 4	9°15	15°12	26°27	11° 7	28°20	28°32	18°28	n.a.	F 26
S 27	4 0 52	0♐11'25	24°26	0♐14	26°59	0♓10	0°17	9°22	15°15	26°28	11° 9	28°19	28°29	18°34	n.a.	S 27
S 28	4 4 49	1°12'42	6♓14	1°50	28°13	0°45	0°30	9°29	15°18	26°29	11°11	28°19	28°26	18°41	n.a.	S 28
M29	4 8 45	2°13'58	18°10	3°27	29°28	1°21	0°44	9°35	15°21	26°31	11°13	28°18	28°23	18°48	n.a.	M29
T 30	4 12 42	3♐15'14	0♈18	5♐ 4	0♑42	1♓57	0♑57	9♏42	15♎23	26♑32	11♐15	28♌16	28♌19	18♒54	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s54	8s30	0s49	6s37	1n16	19s54	0s45	18s 0	1s42	24s 3	0s24	12s 0	1n56	5s 0	0n34	21s40	0s27	20s30	1n49	11n 9	11n40	15s 8		n.a.
T 2	13 15	4 41	1 51	7 18	1 9	20 14	0 48	17 48	1 39	24 3	0 24	12 2	1 56	5 2	0 34	21 39	0 27	20 30	1 48	11 10	11 41	15 7		n.a.
W 3	13 36	0 36	2 49	7 59	1 3	20 35	0 50	17 36	1 37	24 4	0 24	12 5	1 56	5 3	0 34	21 39	0 27	20 30	1 48	11 11	11 42	15 6		n.a.
T 4	13 56	3n36	3 40	8 39	0 56	20 54	0 52	17 24	1 35	24 4	0 24	12 7	1 56	5 4	0 34	21 39	0 27	20 31	1 48	11 14	11 43	15 5		n.a.
F 5	14 16	7 45	4 21	9 20	0 49	21 13	0 55	17 12	1 32	24 5	0 24	12 9	1 55	5 6	0 34	21 39	0 27	20 31	1 48	11 18	11 45	15 3		n.a.
S 6	14 36	11 36	4 49	10 0	0 42	21 31	0 57	16 59	1 30	24 5	0 24	12 12	1 55	5 7	0 34	21 39	0 27	20 32	1 48	11 22	11 46	15 2		n.a.
S 7	14 56	14 56	5 2	10 40	0 35	21 49	0 59	16 47	1 28	24 6	0 24	12 14	1 55	5 9	0 34	21 39	0 27	20 32	1 48	11 26	11 47	15 1		n.a.
M 8	15 15	17 30	4 57	11 19	0 29	22 6	1 2	16 34	1 26	24 6	0 24	12 16	1 55	5 10	0 34	21 39	0 27	20 32	1 48	11 30	11 48	15 0		n.a.
T 9	15 35	19 5	4 34	11 58	0 22	22 22	1 4	16 22	1 24	24 7	0 24	12 19	1 55	5 11	0 34	21 38	0 27	20 33	1 48	11 34	11 49	14 59		n.a.
W10	15 53	19 31	3 56	12 37	0 15	22 38	1 6	16 9	1 21	24 7	0 25	12 21	1 55	5 13	0 34	21 38	0 27	20 33	1 47	11 36	11 50	14 57		n.a.
T 11	16 12	18 45	3 2	13 15	0 8	22 53	1 8	15 56	1 19	24 7	0 25	12 23	1 55	5 14	0 34	21 38	0 27	20 33	1 47	11 37	11 51	14 56		n.a.
F 12	16 30	16 49	1 58	13 53	0 1	23 8	1 10	15 43	1 17	24 8	0 25	12 25	1 55	5 15	0 34	21 38	0 27	20 34	1 47	11 38	11 52	14 55		n.a.
S 13	16 49	13 53	0 46	14 30	0s 5	23 21	1 12	15 30	1 15	24 8	0 25	12 28	1 55	5 17	0 34	21 38	0 27	20 34	1 47	11 38	11 54	14 54		n.a.
S 14	17 6	10 7	0n28	15 6	0 12	23 34	1 14	15 17	1 13	24 8	0 25	12 30	1 55	5 18	0 34	21 37	0 27	20 35	1 47	11 38	11 55	14 53		n.a.
M15	17 24	5 48	1 41	15 42	0 19	23 47	1 16	15 4	1 11	24 9	0 25	12 32	1 55	5 19	0 34	21 37	0 27	20 35	1 47	11 38	11 56	14 51		n.a.
T 16	17 41	1 12	2 47	16 18	0 25	23 58	1 18	14 51	1 9	24 9	0 25	12 35	1 55	5 20	0 34	21 37	0 27	20 35	1 47	11 40	11 57	14 50		n.a.
W17	17 58	3s27	3 43	16 52	0 31	24 9	1 20	14 37	1 7	24 9	0 25	12 37	1 55	5 22	0 34	21 37	0 27	20 36	1 47	11 42	11 58	14 49		n.a.
T 18	18 14	7 53	4 25	17 26	0 38	24 20	1 21	14 24	1 5	24 9	0 25	12 39	1 55	5 23	0 34	21 37	0 27	20 36	1 47	11 45	11 59	14 48		n.a.
F 19	18 30	11 50	4 51	17 59	0 44	24 29	1 23	14 10	1 3	24 10	0 25	12 41	1 55	5 24	0 34	21 36	0 27	20 37	1 46	11 50	12 0	14 47		n.a.
S 20	18 46	15 7	5 0	18 32	0 50	24 38	1 25	13 57	1 1	24 10	0 25	12 44	1 55	5 25	0 34	21 36	0 27	20 37	1 46	11 55	12 1	14 45		n.a.
S 21	19 2	17 34	4 54	19 3	0 56	24 46	1 26	13 43	1 0	24 10	0 25	12 46	1 55	5 27	0 34	21 36	0 27	20 37	1 46	11 59	12 3	14 44		n.a.
M22	19 17	19 5	4 32	19 34	1 1	24 53	1 28	13 29	0 58	24 10	0 25	12 48	1 55	5 28	0 34	21 36	0 27	20 38	1 46	12 4	12 4	14 43		n.a.
T 23	19 32	19 38	3 58	20 4	1 7	25 0	1 29	13 15	0 56	24 10	0 25	12 50	1 55	5 29	0 34	21 35	0 27	20 38	1 46	12 7	12 5	14 42		n.a.
W24	19 46	19 14	3 13	20 32	1 12	25 5	1 31	13 1	0 54	24 10	0 25	12 52	1 55	5 30	0 34	21 35	0 27	20 39	1 46	12 10	12 6	14 40		n.a.
T 25	20 0	17 58	2 20	21 0	1 18	25 10	1 32	12 47	0 52	24 10	0 26	12 54	1 55	5 31	0 34	21 35	0 27	20 39	1 46	12 12	12 7	14 39		n.a.
F 26	20 14	15 55	1 22	21 27	1 23	25 14	1 34	12 33	0 51	24 11	0 26	12 57	1 55	5 32	0 34	21 35	0 27	20 39	1 46	12 12	12 8	14 38		n.a.
S 27	20 27	13 13	0 21	21 53	1 27	25 18	1 35	12 19	0 49	24 11	0 26	12 59	1 55	5 34	0 34	21 34	0 27	20 40	1 46	12 13	12 9	14 37		n.a.
S 28	20 40	9 59	0s42	22 18	1 32	25 20	1 36	12 5	0 47	24 11	0 26	13 1	1 55	5 35	0 34	21 34	0 27	20 40	1 45	12 13	12 10	14 35		n.a.
M29	20 53	6 19	1 43	22 41	1 36	25 22	1 37	11 50	0 46	24 11	0 26	13 3	1 55	5 36	0 34	21 34	0 27	20 40	1 45	12 13	12 11	14 34		n.a.
T 30	21s 5	2s20	2s41	23s 4	1s40	25s23	1s38	11s36	0s44	24s11	0s26	13s 5	1n55	5s37	0n34	21s33	0s27	20s41	1n45	12n14	12n13	14s33		n.a.

Julian Day Number = 1553712.5, Delta T = 04h29m02s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'50, Lahiri = -10°17'50 Julian Calendar 1 Nov. 460 BCE == Greg. Calendar 27 Oct. 460 BCE

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ASTRODIENST EPHEMERIS for the year 460 BCE
geocentric

DECEMBER 460 BCE (-459) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 16 38	4♐16'30	12♈44	6♐41	1♑56	2♓32	1♑11	9♏48	15♎26	26♑34	11♐17	28°R11	28♌16	19♒ 1	n.a.	W 1
T 2	4 20 35	5°17'45	25°31	8°19	3°11	3° 8	1°24	9°55	15°29	26°36	11°20	28♌ 3	28°13	19° 8	n.a.	T 2
F 3	4 24 31	6°19'00	8♉41	9°57	4°25	3°44	1°38	10° 2	15°32	26°37	11°22	27°53	28°10	19°14	n.a.	F 3
S 4	4 28 28	7°20'15	22°14	11°35	5°39	4°20	1°51	10° 8	15°34	26°39	11°24	27°41	28° 7	19°21	n.a.	S 4
S 5	4 32 24	8°21'30	6♊ 9	13°14	6°54	4°56	2° 5	10°15	15°37	26°40	11°26	27°28	28° 3	19°28	n.a.	S 5
M 6	4 36 21	9°22'44	20°21	14°53	8° 8	5°32	2°19	10°21	15°40	26°42	11°28	27°16	28° 0	19°34	n.a.	M 6
T 7	4 40 18	10°23'58	4♋43	16°32	9°22	6° 8	2°32	10°27	15°42	26°44	11°30	27° 6	27°57	19°41	n.a.	T 7
W 8	4 44 14	11°25'12	19°11	18°12	10°36	6°44	2°46	10°34	15°45	26°45	11°32	26°58	27°54	19°48	n.a.	W 8
T 9	4 48 11	12°26'25	3♌37	19°52	11°51	7°21	3° 0	10°40	15°47	26°47	11°34	26°54	27°51	19°54	n.a.	T 9
F 10	4 52 7	13°27'38	17°58	21°32	13° 5	7°57	3°14	10°46	15°50	26°49	11°36	26°52	27°48	20° 1	n.a.	F 10
S 11	4 56 4	14°28'52	2♍11	23°13	14°19	8°33	3°27	10°53	15°52	26°51	11°38	26°D52	27°44	20° 8	n.a.	S 11
S 12	5 0 0	15°30'04	16°14	24°53	15°33	9°10	3°41	10°59	15°54	26°53	11°40	26°R52	27°41	20°14	n.a.	S 12
M13	5 3 57	16°31'17	0♎ 7	26°34	16°47	9°46	3°55	11° 5	15°57	26°54	11°42	26°51	27°38	20°21	n.a.	M13
T 14	5 7 54	17°32'29	13°50	28°15	18° 1	10°23	4° 9	11°11	15°59	26°56	11°44	26°48	27°35	20°27	n.a.	T 14
W15	5 11 50	18°33'41	27°23	29°56	19°15	11° 0	4°23	11°17	16° 1	26°58	11°47	26°43	27°32	20°34	n.a.	W15
T 16	5 15 47	19°34'52	10♏46	1♑36	20°29	11°36	4°37	11°23	16° 3	27° 0	11°49	26°35	27°29	20°41	n.a.	T 16
F 17	5 19 43	20°36'03	23°58	3°16	21°43	12°13	4°51	11°29	16° 6	27° 2	11°51	26°24	27°25	20°47	n.a.	F 17
S 18	5 23 40	21°37'14	6♐58	4°56	22°57	12°50	5° 5	11°35	16° 8	27° 4	11°53	26°12	27°22	20°54	n.a.	S 18
S 19	5 27 36	22°38'23	19°46	6°35	24°11	13°27	5°20	11°41	16°10	27° 6	11°55	26° 0	27°19	21° 1	n.a.	S 19
M20	5 31 33	23°39'32	2♑19	8°13	25°24	14° 4	5°34	11°47	16°12	27° 8	11°57	25°49	27°16	21° 7	n.a.	M20
T 21	5 35 29	24°40'40	14°39	9°50	26°38	14°41	5°48	11°53	16°14	27°10	11°59	25°39	27°13	21°14	n.a.	T 21
W22	5 39 26	25°41'47	26°47	11°25	27°52	15°18	6° 2	11°58	16°16	27°12	12° 1	25°33	27° 9	21°21	n.a.	W22
T 23	5 43 23	26°42'53	8♒44	12°59	29° 5	15°55	6°16	12° 4	16°17	27°14	12° 3	25°28	27° 6	21°27	n.a.	T 23
F 24	5 47 19	27°43'57	20°34	14°30	0♒19	16°32	6°30	12°10	16°19	27°16	12° 5	25°D27	27° 3	21°34	n.a.	F 24
S 25	5 51 16	28°45'01	2♓20	15°58	1°33	17° 9	6°45	12°15	16°21	27°18	12° 7	25°27	27° 0	21°41	n.a.	S 25
S 26	5 55 12	29°46'03	14° 8	17°22	2°46	17°47	6°59	12°21	16°23	27°20	12° 9	25°28	26°57	21°47	n.a.	S 26
M27	5 59 9	0♑47'03	26° 2	18°43	4° 0	18°24	7°13	12°26	16°24	27°22	12°11	25°R29	26°54	21°54	n.a.	M27
T 28	6 3 5	1°48'03	8♈ 8	19°58	5°13	19° 1	7°27	12°31	16°26	27°24	12°13	25°29	26°50	22° 0	n.a.	T 28
W29	6 7 2	2°49'00	20°32	21° 9	6°26	19°39	7°42	12°37	16°27	27°26	12°15	25°27	26°47	22° 7	n.a.	W29
T 30	6 10 58	3°49'57	3♉17	22°12	7°40	20°16	7°56	12°42	16°29	27°28	12°17	25°23	26°44	22°14	n.a.	T 30
F 31	6 14 55	4♑50'52	16♉28	23♑ 9	8♒53	20♓53	8♑10	12♏47	16♎30	27♑30	12♐19	25♌17	26♌41	22♒20	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	21 s16	1n51	3 s32	23 s25	1 s44	25 s23	1 s39	11 s22	0 s42	24 s11	0 s26	13 s 7	1n55	5 s38	0n34	21 s33	0 s27	20 s41	1n45	12n16	12n14	14 s32		n.a.	W 1
T 2	21 28	6 3	4 14	23 45	1 48	25 23	1 40	11 7	0 41	24 11	0 26	13 9	1 55	5 39	0 34	21 33	0 27	20 42	1 45	12 18	12 15	14 30		n.a.	T 2
F 3	21 39	10 5	4 44	24 4	1 51	25 22	1 41	10 52	0 39	24 10	0 26	13 11	1 55	5 40	0 34	21 32	0 27	20 42	1 45	12 22	12 16	14 29		n.a.	F 3
S 4	21 49	13 44	5 0	24 21	1 54	25 19	1 42	10 38	0 38	24 10	0 26	13 13	1 56	5 41	0 34	21 32	0 27	20 42	1 45	12 26	12 17	14 28		n.a.	S 4
S 5	21 59	16 44	4 57	24 37	1 57	25 17	1 43	10 23	0 36	24 10	0 26	13 15	1 56	5 42	0 34	21 32	0 27	20 43	1 45	12 30	12 18	14 27		n.a.	S 5
M 6	22 9	18 47	4 37	24 51	1 59	25 13	1 43	10 8	0 34	24 10	0 26	13 17	1 56	5 43	0 34	21 32	0 27	20 43	1 45	12 35	12 19	14 25		n.a.	M 6
T 7	22 18	19 41	3 59	25 4	2 1	25 9	1 44	9 53	0 33	24 10	0 26	13 19	1 56	5 44	0 34	21 31	0 27	20 44	1 45	12 38	12 20	14 24		n.a.	T 7
W 8	22 26	19 18	3 6	25 15	2 3	25 3	1 45	9 38	0 31	24 10	0 27	13 21	1 56	5 45	0 34	21 31	0 27	20 44	1 44	12 41	12 21	14 23		n.a.	W 8
T 9	22 35	17 39	2 0	25 25	2 4	24 57	1 45	9 23	0 30	24 9	0 27	13 23	1 56	5 46	0 34	21 31	0 27	20 44	1 44	12 42	12 23	14 21		n.a.	T 9
F 10	22 43	14 54	0 47	25 33	2 5	24 51	1 45	9 8	0 29	24 9	0 27	13 25	1 56	5 47	0 34	21 30	0 27	20 45	1 44	12 43	12 24	14 20		n.a.	F 10
S 11	22 50	11 16	0n28	25 39	2 5	24 43	1 46	8 53	0 27	24 9	0 27	13 27	1 56	5 48	0 34	21 30	0 27	20 45	1 44	12 43	12 25	14 19		n.a.	S 11
S 12	22 57	7 3	1 41	25 43	2 5	24 35	1 46	8 38	0 26	24 9	0 27	13 29	1 56	5 49	0 34	21 29	0 27	20 45	1 44	12 43	12 26	14 18		n.a.	S 12
M13	23 3	2 30	2 47	25 46	2 4	24 26	1 46	8 23	0 24	24 8	0 27	13 31	1 56	5 50	0 34	21 29	0 27	20 46	1 44	12 43	12 27	14 16		n.a.	M13
T 14	23 9	2 s 7	3 42	25 47	2 3	24 16	1 46	8 7	0 23	24 8	0 27	13 33	1 56	5 51	0 34	21 29	0 27	20 46	1 44	12 44	12 28	14 15		n.a.	T 14
W15	23 15	6 34	4 25	25 46	2 1	24 6	1 46	7 52	0 22	24 8	0 27	13 34	1 56	5 51	0 34	21 28	0 27	20 47	1 44	12 46	12 29	14 14		n.a.	W15
T 16	23 20	10 38	4 52	25 43	1 59	23 55	1 46	7 37	0 20	24 7	0 27	13 36	1 56	5 52	0 34	21 28	0 27	20 47	1 44	12 49	12 30	14 12		n.a.	T 16
F 17	23 25	14 7	5 3	25 38	1 56	23 43	1 46	7 21	0 19	24 7	0 27	13 38	1 56	5 53	0 34	21 28	0 27	20 47	1 44	12 53	12 31	14 11		n.a.	F 17
S 18	23 29	16 52	4 58	25 31	1 52	23 30	1 46	7 6	0 18	24 6	0 27	13 40	1 56	5 54	0 34	21 27	0 27	20 48	1 44	12 57	12 33	14 10		n.a.	S 18
S 19	23 32	18 44	4 38	25 22	1 47	23 17	1 45	6 50	0 16	24 6	0 27	13 41	1 56	5 55	0 34	21 27	0 27	20 48	1 43	13 1	12 34	14 8		n.a.	S 19
M20	23 36	19 39	4 4	25 11	1 42	23 3	1 45	6 35	0 15	24 5	0 27	13 43	1 56	5 55	0 34	21 27	0 27	20 48	1 43	13 5	12 35	14 7		n.a.	M20
T 21	23 38	19 37	3 20	24 59	1 36	22 48	1 44	6 19	0 14	24 5	0 28	13 45	1 57	5 56	0 34	21 26	0 27	20 49	1 43	13 8	12 36	14 6		n.a.	T 21
W22	23 41	18 40	2 27	24 44	1 30	22 33	1 44	6 4	0 13	24 4	0 28	13 47	1 57	5 57	0 34	21 26	0 27	20 49	1 43	13 10	12 37	14 5		n.a.	W22
T 23	23 42	16 53	1 28	24 28	1 22	22 17	1 43	5 48	0 11	24 4	0 28	13 48	1 57	5 58	0 34	21 25	0 27	20 49	1 43	13 12	12 38	14 3		n.a.	T 23
F 24	23 44	14 25	0 26	24 10	1 13	22 0	1 42	5 32	0 10	24 3	0 28	13 50	1 57	5 58	0 34	21 25	0 27	20 50	1 43	13 12	12 39	14 2		n.a.	F 24
S 25	23 45	11 21	0 s37	23 50	1 4	21 43	1 41	5 16	0 9	24 2	0 28	13 52	1 57	5 59	0 34	21 25	0 27	20 50	1 43	13 12	12 40	14 1		n.a.	S 25
S 26	23 45	7 50	1 39	23 30	0 54	21 25	1 41	5 1	0 8	24 2	0 28	13 53	1 57	6 0	0 34	21 24	0 27	20 50	1 43	13 12	12 41	13 59		n.a.	S 26
M27	23 45	4 0	2 37	23 7	0 42	21 7	1 40	4 45	0 7	24 1	0 28	13 55	1 57	6 0	0 34	21 24	0 27	20 51	1 43	13 12	12 42	13 58		n.a.	M27
T 28	23 44	0n 4	3 29	22 44	0 30	20 48	1 38	4 29	0 6	24 0	0 28	13 56	1 57	6 1	0 34	21 23	0 27	20 51	1 43	13 12	12 44	13 57		n.a.	T 28
W29	23 43	4 13	4 13	22 21	0 17	20 28	1 37	4 13	0 4	24 0	0 28	13 58	1 57	6 1	0 34	21 23	0 27	20 51	1 43	13 12	12 45	13 55		n.a.	W29
T 30	23 42	8 18	4 45	21 56	0 3	20 8	1 36	3 57	0 3	23 59	0 28	13 59	1 57	6 2	0 34	21 23	0 27	20 52	1 43	13 14	12 46	13 54		n.a.	T 30
F 31	23 s40	12n 7	5 s 4	21 s32	0n12	19 s47	1 s35	3 s41	0 s 2	23 s58	0 s28	14 s 1	1n57	6 s 2	0n35	21 s22	0 s27	20 s52	1n43	13n16	12n47	13 s53		n.a.	F 31

Julian Day Number = 1553742.5, Delta T = 04h29m01s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'46, Lahiri = -10°17'46 Julian Calendar 1 Dec. 460 BCE == Greg. Calendar 26 Nov. 460 BCE

The year -459 astronomical counting style corresponds to year 460 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

JANUARY 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 18 52	5♑51'45	0♊ 6	23♑58	10♒ 6	21♓31	8♑24	12♏52	16♎32	27♑32	12♐21	25°R 9	26♌38	22♒27	n.a.	S 1
S 2	6 22 48	6°52'37	14°11	24°38	11°19	22° 8	8°39	12°57	16°33	27°35	12°23	25♌ 1	26°35	22°34	n.a.	S 2
M 3	6 26 45	7°53'28	28°38	25° 9	12°32	22°46	8°53	13° 2	16°34	27°37	12°25	24°53	26°31	22°40	n.a.	M 3
T 4	6 30 41	8°54'17	13♋22	25°30	13°45	23°23	9° 7	13° 7	16°36	27°39	12°27	24°46	26°28	22°47	n.a.	T 4
W 5	6 34 38	9°55'05	28°15	25°R41	14°58	24° 1	9°21	13°12	16°37	27°41	12°28	24°42	26°25	22°54	n.a.	W 5
T 6	6 38 34	10°55'52	13♌ 8	25°40	16°11	24°38	9°36	13°17	16°38	27°43	12°30	24°39	26°22	23° 0	n.a.	T 6
F 7	6 42 31	11°56'37	27°54	25°29	17°23	25°16	9°50	13°22	16°39	27°46	12°32	24°D39	26°19	23° 7	n.a.	F 7
S 8	6 46 28	12°57'21	12♍27	25° 6	18°36	25°54	10° 4	13°26	16°40	27°48	12°34	24°39	26°15	23°14	n.a.	S 8
S 9	6 50 24	13°58'04	26°44	24°34	19°49	26°31	10°19	13°31	16°41	27°50	12°36	24°41	26°12	23°20	n.a.	S 9
M10	6 54 21	14°58'45	10♎42	23°52	21° 1	27° 9	10°33	13°35	16°42	27°52	12°38	24°R42	26° 9	23°27	n.a.	M10
T 11	6 58 17	15°59'26	24°22	23° 2	22°14	27°47	10°47	13°40	16°43	27°54	12°40	24°42	26° 6	23°34	n.a.	T 11
W12	7 2 14	17° 0'05	7♏45	22° 4	23°26	28°24	11° 1	13°44	16°44	27°57	12°41	24°40	26° 3	23°40	n.a.	W12
T 13	7 6 10	18° 0'42	20°52	21° 1	24°38	29° 2	11°16	13°48	16°44	27°59	12°43	24°36	26° 0	23°47	n.a.	T 13
F 14	7 10 7	19° 1'19	3♐45	19°55	25°51	29°40	11°30	13°53	16°45	28° 1	12°45	24°31	25°56	23°53	n.a.	F 14
S 15	7 14 3	20° 1'54	16°24	18°46	27° 3	0♈17	11°44	13°57	16°46	28° 3	12°47	24°25	25°53	24° 0	n.a.	S 15
S 16	7 18 0	21° 2'27	28°51	17°38	28°15	0°55	11°58	14° 1	16°46	28° 6	12°48	24°18	25°50	24° 7	n.a.	S 16
M17	7 21 57	22° 2'59	11♑ 8	16°31	29°27	1°33	12°13	14° 5	16°47	28° 8	12°50	24°13	25°47	24°13	n.a.	M17
T 18	7 25 53	23° 3'29	23°15	15°28	0♓39	2°11	12°27	14° 9	16°47	28°10	12°52	24° 8	25°44	24°20	n.a.	T 18
W19	7 29 50	24° 3'57	5♒13	14°28	1°51	2°49	12°41	14°13	16°48	28°13	12°53	24° 5	25°41	24°27	n.a.	W19
T 20	7 33 46	25° 4'23	17° 5	13°35	3° 2	3°27	12°55	14°16	16°48	28°15	12°55	24° 3	25°37	24°33	n.a.	T 20
F 21	7 37 43	26° 4'48	28°53	12°48	4°14	4° 4	13° 9	14°20	16°48	28°17	12°57	24°D 3	25°34	24°40	n.a.	F 21
S 22	7 41 39	27° 5'10	10♓39	12° 7	5°26	4°42	13°23	14°23	16°49	28°19	12°58	24° 4	25°31	24°47	n.a.	S 22
S 23	7 45 36	28° 5'31	22°28	11°34	6°37	5°20	13°37	14°27	16°49	28°22	13° 0	24° 6	25°28	24°53	n.a.	S 23
M24	7 49 32	29° 5'49	4♈22	11° 8	7°48	5°58	13°51	14°30	16°49	28°24	13° 1	24° 7	25°25	25° 0	n.a.	M24
T 25	7 53 29	0♒ 6'05	16°27	10°50	9° 0	6°36	14° 6	14°34	16°49	28°26	13° 3	24° 9	25°21	25° 7	n.a.	T 25
W26	7 57 25	1° 6'19	28°48	10°38	10°11	7°14	14°20	14°37	16°R49	28°28	13° 5	24°R10	25°18	25°13	n.a.	W26
T 27	8 1 22	2° 6'31	11♉29	10°D34	11°22	7°52	14°34	14°40	16°49	28°31	13° 6	24° 9	25°15	25°20	n.a.	T 27
F 28	8 5 19	3° 6'41	24°34	10°36	12°32	8°30	14°47	14°43	16°49	28°33	13° 8	24° 8	25°12	25°27	n.a.	F 28
S 29	8 9 15	4° 6'48	8♊ 6	10°44	13°43	9° 8	15° 1	14°46	16°49	28°35	13° 9	24° 6	25° 9	25°33	n.a.	S 29
S 30	8 13 12	5° 6'54	22° 6	10°58	14°54	9°46	15°15	14°49	16°49	28°38	13°10	24° 3	25° 6	25°40	n.a.	S 30
M31	8 17 8	6♒ 6'57	6♋32	11♑18	16♓ 4	10♈24	15♑29	14♏52	16♎48	28♑40	13♐12	24♌ 1	25♌ 2	25♒46	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s37	15n26	5s 7	21s 8	0n28	19s26	1s33	3s25	0s 1	23s57	0s29	14s 2	1n58	6s 3	0n35	21s22	0s27	20s52	1n42	13n18	12n48	13s51		n.a.
S 2	23 34	17 59	4 51	20 45	0 44	19 4	1 32	3 10	0 0	23 56	0 29	14 4	1 58	6 3	0 35	21 21	0 27	20 53	1 42	13 21	12 49	13 50		n.a.
M 3	23 31	19 28	4 17	20 22	1 1	18 42	1 30	2 54	0n 1	23 56	0 29	14 5	1 58	6 4	0 35	21 21	0 27	20 53	1 42	13 24	12 50	13 48		n.a.
T 4	23 27	19 41	3 25	20 1	1 19	18 19	1 29	2 38	0 2	23 55	0 29	14 6	1 58	6 4	0 35	21 20	0 27	20 53	1 42	13 26	12 51	13 47		n.a.
W 5	23 22	18 32	2 18	19 42	1 37	17 56	1 27	2 22	0 3	23 54	0 29	14 8	1 58	6 5	0 35	21 20	0 27	20 54	1 42	13 28	12 52	13 46		n.a.
T 6	23 18	16 6	1 2	19 25	1 54	17 32	1 25	2 6	0 4	23 53	0 29	14 9	1 58	6 5	0 35	21 20	0 27	20 54	1 42	13 28	12 53	13 44		n.a.
F 7	23 12	12 38	0n18	19 10	2 12	17 8	1 23	1 50	0 5	23 52	0 29	14 11	1 58	6 6	0 35	21 19	0 27	20 54	1 42	13 29	12 54	13 43		n.a.
S 8	23 6	8 26	1 35	18 57	2 29	16 44	1 21	1 34	0 6	23 51	0 29	14 12	1 58	6 6	0 35	21 19	0 27	20 55	1 42	13 28	12 56	13 42		n.a.
S 9	23 0	3 51	2 46	18 47	2 45	16 19	1 19	1 18	0 7	23 50	0 29	14 13	1 58	6 6	0 35	21 18	0 27	20 55	1 42	13 28	12 57	13 40		n.a.
M10	22 54	0s51	3 44	18 40	2 59	15 53	1 17	1 2	0 8	23 49	0 30	14 14	1 59	6 7	0 35	21 18	0 27	20 55	1 42	13 27	12 58	13 39		n.a.
T 11	22 47	5 24	4 29	18 35	3 13	15 27	1 15	0 45	0 9	23 48	0 30	14 16	1 59	6 7	0 35	21 17	0 27	20 56	1 42	13 28	12 59	13 37		n.a.
W12	22 39	9 35	4 58	18 33	3 24	15 1	1 12	0 29	0 10	23 47	0 30	14 17	1 59	6 7	0 35	21 17	0 27	20 56	1 42	13 28	13 0	13 36		n.a.
T 13	22 31	13 13	5 11	18 34	3 34	14 34	1 10	0 13	0 11	23 46	0 30	14 18	1 59	6 8	0 35	21 16	0 27	20 56	1 42	13 29	13 1	13 35		n.a.
F 14	22 23	16 8	5 7	18 36	3 41	14 7	1 7	0n 3	0 12	23 44	0 30	14 19	1 59	6 8	0 35	21 16	0 27	20 56	1 42	13 31	13 2	13 33		n.a.
S 15	22 14	18 15	4 49	18 41	3 46	13 40	1 5	0 19	0 13	23 43	0 30	14 20	1 59	6 8	0 35	21 16	0 27	20 57	1 41	13 33	13 3	13 32		n.a.
S 16	22 5	19 28	4 17	18 47	3 49	13 12	1 2	0 35	0 14	23 42	0 30	14 21	1 59	6 8	0 35	21 15	0 27	20 57	1 41	13 35	13 4	13 31		n.a.
M17	21 55	19 44	3 34	18 55	3 49	12 44	1 0	0 51	0 15	23 41	0 30	14 22	1 59	6 8	0 35	21 15	0 27	20 57	1 41	13 37	13 5	13 29		n.a.
T 18	21 45	19 4	2 41	19 4	3 48	12 16	0 57	1 7	0 15	23 40	0 30	14 23	2 0	6 9	0 35	21 14	0 27	20 58	1 41	13 39	13 6	13 28		n.a.
W19	21 34	17 34	1 42	19 15	3 44	11 48	0 54	1 23	0 16	23 38	0 30	14 24	2 0	6 9	0 35	21 14	0 27	20 58	1 41	13 40	13 8	13 26		n.a.
T 20	21 24	15 19	0 38	19 26	3 38	11 19	0 51	1 39	0 17	23 37	0 31	14 25	2 0	6 9	0 35	21 13	0 27	20 58	1 41	13 41	13 9	13 25		n.a.
F 21	21 12	12 26	0s27	19 38	3 31	10 50	0 48	1 55	0 18	23 36	0 31	14 26	2 0	6 9	0 35	21 13	0 27	20 58	1 41	13 41	13 10	13 24		n.a.
S 22	21 1	9 3	1 30	19 50	3 22	10 20	0 45	2 11	0 19	23 35	0 31	14 27	2 0	6 9	0 35	21 12	0 27	20 59	1 41	13 40	13 11	13 22		n.a.
S 23	20 49	5 19	2 30	20 2	3 13	9 51	0 42	2 27	0 20	23 33	0 31	14 28	2 0	6 9	0 35	21 12	0 27	20 59	1 41	13 40	13 12	13 21		n.a.
M24	20 36	1 22	3 24	20 15	3 2	9 21	0 39	2 43	0 20	23 32	0 31	14 29	2 0	6 9	0 35	21 11	0 27	20 59	1 41	13 39	13 13	13 19		n.a.
T 25	20 23	2n42	4 10	20 28	2 51	8 51	0 36	2 59	0 21	23 31	0 31	14 30	2 0	6 9	0 35	21 11	0 27	20 59	1 41	13 39	13 14	13 18		n.a.
W26	20 10	6 44	4 46	20 41	2 39	8 21	0 32	3 14	0 22	23 29	0 31	14 31	2 1	6 9	0 35	21 11	0 27	21 0	1 41	13 38	13 15	13 16		n.a.
T 27	19 57	10 35	5 8	20 53	2 26	7 50	0 29	3 30	0 23	23 28	0 31	14 31	2 1	6 9	0 35	21 10	0 27	21 0	1 41	13 38	13 16	13 15		n.a.
F 28	19 43	14 3	5 16	21 6	2 14	7 20	0 25	3 46	0 24	23 26	0 32	14 32	2 1	6 9	0 35	21 10	0 27	21 0	1 41	13 39	13 17	13 14		n.a.
S 29	19 29	16 54	5 7	21 18	2 1	6 49	0 22	4 2	0 24	23 25	0 32	14 33	2 1	6 9	0 35	21 9	0 27	21 0	1 41	13 40	13 18	13 12		n.a.
S 30	19 14	18 52	4 39	21 29	1 48	6 18	0 18	4 18	0 25	23 23	0 32	14 34	2 1	6 9	0 35	21 9	0 27	21 1	1 41	13 40	13 19	13 11		n.a.
M31	18s59	19n42	3s53	21s40	1n36	5s47	0s15	4n34	0n26	23s22	0s32	14s34	2n 1	6s 9	0n35	21s 8	0s27	21s 1	1n41	13n41	13n21	13s 9		n.a.

Julian Day Number = 1553773.5, Delta T = 04h29m00s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'42, Lahiri = -10°17'41 Julian Calendar 1 Jan. 459 BCE == Greg. Calendar 27 Dec. 460 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

FEBRUARY 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 21 5	7♒ 6'58	21♋21	11♉43	17♓15	11♈ 2	15♉43	14♏54	16°R48	28♉42	13♐13	23°R59	24♌59	25♒53	n.a.	T 1
W 2	8 25 1	8° 6'57	6♌25	12°13	18°25	11°40	15°57	14°57	16♎48	28°44	13°15	23♌57	24°56	26° 0	n.a.	W 2
T 3	8 28 58	9° 6'53	21°36	12°48	19°35	12°17	16°10	14°59	16°47	28°47	13°16	23°D57	24°53	26° 6	n.a.	T 3
F 4	8 32 54	10° 6'48	6♍43	13°26	20°45	12°55	16°24	15° 2	16°47	28°49	13°17	23°57	24°50	26°13	n.a.	F 4
S 5	8 36 51	11° 6'41	21°38	14° 9	21°55	13°33	16°38	15° 4	16°47	28°51	13°19	23°58	24°47	26°20	n.a.	S 5
S 6	8 40 48	12° 6'31	6♎15	14°56	23° 5	14°11	16°51	15° 6	16°46	28°53	13°20	23°59	24°43	26°26	n.a.	S 6
M 7	8 44 44	13° 6'20	20°29	15°45	24°14	14°49	17° 5	15° 8	16°45	28°56	13°21	24° 0	24°40	26°33	n.a.	M 7
T 8	8 48 41	14° 6'08	4♏18	16°39	25°24	15°27	17°19	15°10	16°45	28°58	13°22	24° 0	24°37	26°40	n.a.	T 8
W 9	8 52 37	15° 5'53	17°43	17°35	26°33	16° 5	17°32	15°12	16°44	29° 0	13°24	24°R 0	24°34	26°46	n.a.	W 9
T 10	8 56 34	16° 5'37	0♐46	18°34	27°42	16°43	17°46	15°14	16°43	29° 2	13°25	24° 0	24°31	26°53	n.a.	T 10
F 11	9 0 30	17° 5'19	13°29	19°35	28°51	17°21	17°59	15°16	16°42	29° 4	13°26	24° 0	24°27	27° 0	n.a.	F 11
S 12	9 4 27	18° 4'59	25°56	20°39	0♈ 0	17°59	18°12	15°18	16°42	29° 7	13°27	23°59	24°24	27° 6	n.a.	S 12
S 13	9 8 23	19° 4'37	8♑10	21°46	1° 9	18°37	18°26	15°19	16°41	29° 9	13°28	23°58	24°21	27°13	n.a.	S 13
M14	9 12 20	20° 4'13	20°13	22°55	2°17	19°15	18°39	15°21	16°40	29°11	13°29	23°57	24°18	27°19	n.a.	M14
T 15	9 16 17	21° 3'47	2♒ 9	24° 5	3°26	19°53	18°52	15°22	16°39	29°13	13°30	23°57	24°15	27°26	n.a.	T 15
W16	9 20 13	22° 3'19	14° 0	25°18	4°34	20°31	19° 5	15°23	16°38	29°15	13°31	23°57	24°12	27°33	n.a.	W16
T 17	9 24 10	23° 2'49	25°47	26°33	5°42	21° 9	19°18	15°24	16°36	29°17	13°32	23°D57	24° 8	27°39	n.a.	T 17
F 18	9 28 6	24° 2'17	7♓34	27°50	6°50	21°47	19°31	15°25	16°35	29°19	13°33	23°R57	24° 5	27°46	n.a.	F 18
S 19	9 32 3	25° 1'42	19°23	29° 9	7°57	22°25	19°44	15°26	16°34	29°22	13°34	23°57	24° 2	27°53	n.a.	S 19
S 20	9 35 59	26° 1'05	1♈16	0♒29	9° 5	23° 3	19°57	15°27	16°33	29°24	13°35	23°57	23°59	27°59	n.a.	S 20
M21	9 39 56	27° 0'26	13°15	1°51	10°12	23°41	20°10	15°28	16°32	29°26	13°36	23°56	23°56	28° 6	n.a.	M21
T 22	9 43 52	27°59'44	25°24	3°14	11°19	24°19	20°23	15°29	16°30	29°28	13°37	23°56	23°52	28°13	n.a.	T 22
W23	9 47 49	28°59'00	7♉47	4°40	12°26	24°57	20°36	15°29	16°29	29°30	13°37	23°55	23°49	28°19	n.a.	W23
T 24	9 51 45	29°58'14	20°26	6° 6	13°33	25°35	20°48	15°30	16°27	29°32	13°38	23°55	23°46	28°26	n.a.	T 24
F 25	9 55 42	0♓57'25	3♊26	7°35	14°39	26°13	21° 1	15°30	16°26	29°34	13°39	23°D55	23°43	28°33	n.a.	F 25
S 26	9 59 39	1°56'34	16°49	9° 4	15°45	26°51	21°13	15°30	16°24	29°36	13°40	23°55	23°40	28°39	n.a.	S 26
S 27	10 3 35	2°55'41	0♋38	10°36	16°51	27°29	21°26	15°30	16°23	29°38	13°40	23°56	23°37	28°46	n.a.	S 27
M28	10 7 32	3♓54'45	14♋52	12♒ 9	17♈57	28♈ 7	21♉38	15°R31	16♎21	29♉40	13♐41	23♌57	23♌33	28♒53	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	18s44	19n13	2s51	21s51	1n23	5s16	0s11	4n49	0n26	23s20	0s32	14s35	2n 2	6s 9	0n35	21s 8	0s27	21s 1	1n40	13n42	13n22	13s 8		n.a.	T 1
W 2	18 28	17 22	1 36	22 0	1 11	4 45	0 7	5 5	0 27	23 19	0 32	14 36	2 2	6 8	0 35	21 7	0 27	21 1	1 40	13 42	13 23	13 6		n.a.	W 2
T 3	18 12	14 17	0 13	22 9	0 59	4 14	0 4	5 21	0 28	23 17	0 32	14 36	2 2	6 8	0 35	21 7	0 27	21 2	1 40	13 43	13 24	13 5		n.a.	T 3
F 4	17 56	10 15	1n10	22 17	0 47	3 42	0n 0	5 36	0 29	23 16	0 32	14 37	2 2	6 8	0 35	21 6	0 27	21 2	1 40	13 43	13 25	13 3		n.a.	F 4
S 5	17 40	5 37	2 28	22 24	0 35	3 11	0 4	5 52	0 29	23 14	0 33	14 37	2 2	6 8	0 35	21 6	0 27	21 2	1 40	13 42	13 26	13 2		n.a.	S 5
S 6	17 23	0 45	3 34	22 31	0 24	2 39	0 8	6 8	0 30	23 13	0 33	14 38	2 2	6 8	0 35	21 6	0 27	21 2	1 40	13 42	13 27	13 1		n.a.	S 6
M 7	17 6	4s 1	4 25	22 36	0 12	2 8	0 12	6 23	0 31	23 11	0 33	14 38	2 2	6 7	0 35	21 5	0 27	21 2	1 40	13 42	13 28	12 59		n.a.	M 7
T 8	16 49	8 26	4 59	22 40	0 2	1 36	0 16	6 39	0 31	23 9	0 33	14 39	2 3	6 7	0 35	21 5	0 27	21 3	1 40	13 41	13 29	12 58		n.a.	T 8
W 9	16 31	12 17	5 16	22 43	0s 9	1 5	0 20	6 54	0 32	23 8	0 33	14 39	2 3	6 7	0 36	21 4	0 27	21 3	1 40	13 41	13 30	12 56		n.a.	W 9
T 10	16 13	15 26	5 15	22 45	0 19	0 33	0 24	7 9	0 33	23 6	0 33	14 39	2 3	6 6	0 36	21 4	0 27	21 3	1 40	13 42	13 31	12 55		n.a.	T 10
F 11	15 55	17 45	5 0	22 46	0 28	0 2	0 28	7 25	0 33	23 5	0 33	14 40	2 3	6 6	0 36	21 3	0 27	21 3	1 40	13 42	13 32	12 53		n.a.	F 11
S 12	15 36	19 11	4 30	22 45	0 38	0n30	0 33	7 40	0 34	23 3	0 34	14 40	2 3	6 6	0 36	21 3	0 27	21 3	1 40	13 42	13 33	12 52		n.a.	S 12
S 13	15 18	19 42	3 48	22 44	0 47	1 1	0 37	7 55	0 35	23 1	0 34	14 40	2 3	6 5	0 36	21 2	0 27	21 4	1 40	13 42	13 34	12 50		n.a.	S 13
M14	14 59	19 17	2 57	22 41	0 55	1 33	0 41	8 10	0 35	22 59	0 34	14 41	2 4	6 5	0 36	21 2	0 27	21 4	1 40	13 42	13 36	12 49		n.a.	M14
T 15	14 40	18 1	1 58	22 36	1 3	2 4	0 45	8 26	0 36	22 58	0 34	14 41	2 4	6 5	0 36	21 2	0 27	21 4	1 40	13 43	13 37	12 47		n.a.	T 15
W16	14 20	15 58	0 55	22 31	1 11	2 36	0 50	8 41	0 36	22 56	0 34	14 41	2 4	6 4	0 36	21 1	0 27	21 4	1 40	13 43	13 38	12 46		n.a.	W16
T 17	14 1	13 15	0s10	22 24	1 18	3 7	0 54	8 56	0 37	22 54	0 34	14 41	2 4	6 4	0 36	21 1	0 27	21 4	1 40	13 43	13 39	12 44		n.a.	T 17
F 18	13 41	10 0	1 15	22 15	1 25	3 38	0 58	9 11	0 38	22 53	0 34	14 42	2 4	6 3	0 36	21 0	0 28	21 4	1 40	13 43	13 40	12 43		n.a.	F 18
S 19	13 21	6 21	2 17	22 5	1 32	4 9	1 3	9 25	0 38	22 51	0 35	14 42	2 4	6 3	0 36	21 0	0 28	21 5	1 40	13 43	13 41	12 41		n.a.	S 19
S 20	13 1	2 26	3 13	21 54	1 38	4 40	1 7	9 40	0 39	22 49	0 35	14 42	2 4	6 2	0 36	20 59	0 28	21 5	1 39	13 43	13 42	12 40		n.a.	S 20
M21	12 40	1n36	4 1	21 41	1 43	5 11	1 11	9 55	0 39	22 47	0 35	14 42	2 5	6 2	0 36	20 59	0 28	21 5	1 39	13 43	13 43	12 38		n.a.	M21
T 22	12 19	5 37	4 40	21 27	1 49	5 41	1 16	10 10	0 40	22 46	0 35	14 42	2 5	6 1	0 36	20 59	0 28	21 5	1 39	13 43	13 44	12 37		n.a.	T 22
W23	11 59	9 28	5 5	21 11	1 54	6 12	1 20	10 24	0 40	22 44	0 35	14 42	2 5	6 1	0 36	20 58	0 28	21 5	1 39	13 43	13 45	12 35		n.a.	W23
T 24	11 38	12 59	5 17	20 53	1 58	6 42	1 25	10 39	0 41	22 42	0 35	14 42	2 5	6 0	0 36	20 58	0 28	21 5	1 39	13 43	13 46	12 34		n.a.	T 24
F 25	11 16	15 59	5 14	20 34	2 2	7 13	1 29	10 54	0 41	22 40	0 36	14 42	2 5	5 59	0 36	20 57	0 28	21 5	1 39	13 43	13 47	12 32		n.a.	F 25
S 26	10 55	18 14	4 53	20 14	2 5	7 43	1 33	11 8	0 42	22 38	0 36	14 42	2 5	5 59	0 36	20 57	0 28	21 6	1 39	13 43	13 48	12 31		n.a.	S 26
S 27	10 34	19 30	4 15	19 52	2 8	8 13	1 38	11 22	0 43	22 37	0 36	14 42	2 6	5 58	0 36	20 57	0 28	21 6	1 39	13 43	13 49	12 29		n.a.	S 27
M28	10s12	19n35	3s21	19s28	2s11	8n42	1n42	11n37	0n43	22s35	0s36	14s42	2n 6	5s58	0n36	20s56	0s28	21s 6	1n39	13n43	13n50	12s28		n.a.	M28

Julian Day Number = 1553804.5, Delta T = 04h28m58s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'38, Lahiri = -10°17'37 Julian Calendar 1 Feb. 459 BCE == Greg. Calendar 27 Jan. 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

MARCH 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 11 28	4♓53'46	29♋30	13♒43	19♈ 2	28♈45	21♑50	15°R31	16°R20	29♑42	13♐42	23♌57	23♌30	28♒59	n.a.	T 1
W 2	10 15 25	5°52'45	14♌28	15°19	20° 8	29°23	22° 3	15♏30	16♎18	29°44	13°42	23°58	23°27	29° 6	n.a.	W 2
T 3	10 19 21	6°51'42	29°38	16°56	21°13	0♉ 1	22°15	15°30	16°16	29°46	13°43	23°R58	23°24	29°12	n.a.	T 3
F 4	10 23 18	7°50'37	14♍51	18°35	22°17	0°39	22°27	15°30	16°15	29°48	13°43	23°58	23°21	29°19	n.a.	F 4
S 5	10 27 14	8°49'29	29°58	20°15	23°22	1°17	22°39	15°29	16°13	29°49	13°44	23°56	23°18	29°26	n.a.	S 5
S 6	10 31 11	9°48'20	14♎49	21°56	24°26	1°55	22°51	15°29	16°11	29°51	13°44	23°54	23°14	29°32	n.a.	S 6
M 7	10 35 8	10°47'09	29°18	23°40	25°30	2°33	23° 3	15°28	16° 9	29°53	13°45	23°52	23°11	29°39	n.a.	M 7
T 8	10 39 4	11°45'55	13♏19	25°24	26°34	3°11	23°14	15°28	16° 7	29°55	13°45	23°50	23° 8	29°46	n.a.	T 8
W 9	10 43 1	12°44'40	26°54	27°10	27°37	3°49	23°26	15°27	16° 5	29°57	13°46	23°49	23° 5	29°52	n.a.	W 9
T 10	10 46 57	13°43'23	10♐ 1	28°58	28°40	4°27	23°38	15°26	16° 3	29°58	13°46	23°D48	23° 2	29°59	n.a.	T 10
F 11	10 50 54	14°42'05	22°44	0♓47	29°43	5° 5	23°49	15°25	16° 1	0♒ 0	13°46	23°48	22°58	0♓ 6	n.a.	F 11
S 12	10 54 50	15°40'44	5♑ 7	2°38	0♉45	5°43	24° 1	15°24	15°59	0° 2	13°47	23°49	22°55	0°12	n.a.	S 12
S 13	10 58 47	16°39'22	17°15	4°30	1°47	6°20	24°12	15°23	15°57	0° 4	13°47	23°51	22°52	0°19	n.a.	S 13
M14	11 2 43	17°37'58	29°12	6°24	2°49	6°58	24°23	15°21	15°55	0° 5	13°47	23°52	22°49	0°26	n.a.	M14
T 15	11 6 40	18°36'32	11♒ 2	8°19	3°51	7°36	24°34	15°20	15°53	0° 7	13°48	23°54	22°46	0°32	n.a.	T 15
W16	11 10 36	19°35'04	22°48	10°16	4°52	8°14	24°45	15°19	15°51	0° 9	13°48	23°R54	22°43	0°39	n.a.	W16
T 17	11 14 33	20°33'35	4♓35	12°14	5°52	8°52	24°56	15°17	15°49	0°10	13°48	23°54	22°39	0°45	n.a.	T 17
F 18	11 18 30	21°32'03	16°24	14°14	6°53	9°30	25° 7	15°15	15°46	0°12	13°48	23°52	22°36	0°52	n.a.	F 18
S 19	11 22 26	22°30'29	28°18	16°15	7°53	10° 8	25°18	15°14	15°44	0°13	13°48	23°49	22°33	0°59	n.a.	S 19
S 20	11 26 23	23°28'53	10♈19	18°18	8°52	10°46	25°29	15°12	15°42	0°15	13°48	23°44	22°30	1° 5	n.a.	S 20
M21	11 30 19	24°27'16	22°29	20°22	9°52	11°24	25°39	15°10	15°40	0°17	13°48	23°39	22°27	1°12	n.a.	M21
T 22	11 34 16	25°25'36	4♉49	22°27	10°50	12° 2	25°50	15° 8	15°37	0°18	13°R48	23°34	22°24	1°19	n.a.	T 22
W23	11 38 12	26°23'54	17°21	24°33	11°49	12°39	26° 0	15° 6	15°35	0°19	13°48	23°29	22°20	1°25	n.a.	W23
T 24	11 42 9	27°22'10	0♊ 7	26°40	12°46	13°17	26°10	15° 4	15°33	0°21	13°48	23°25	22°17	1°32	n.a.	T 24
F 25	11 46 5	28°20'24	13° 8	28°48	13°44	13°55	26°20	15° 1	15°30	0°22	13°48	23°22	22°14	1°39	n.a.	F 25
S 26	11 50 2	29°18'36	26°28	0♈56	14°41	14°33	26°30	14°59	15°28	0°24	13°48	23°D21	22°11	1°45	n.a.	S 26
S 27	11 53 59	0♈16'45	10♋ 8	3° 5	15°37	15°11	26°40	14°57	15°26	0°25	13°48	23°21	22° 8	1°52	n.a.	S 27
M28	11 57 55	1°14'53	24° 9	5°14	16°33	15°49	26°50	14°54	15°23	0°26	13°48	23°22	22° 4	1°59	n.a.	M28
T 29	12 1 52	2°12'58	8♌30	7°22	17°28	16°27	27° 0	14°52	15°21	0°28	13°47	23°24	22° 1	2° 5	n.a.	T 29
W30	12 5 48	3°11'02	23°10	9°31	18°23	17° 4	27° 9	14°49	15°18	0°29	13°47	23°R24	21°58	2°12	n.a.	W30
T 31	12 9 45	4♈ 9'03	8♍ 5	11♈38	19♉17	17♉42	27♑19	14♏46	15♎16	0♒30	13♐47	23♌24	21♌55	2♓19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9s50	18n22	2s12	19s 3	2s13	9n12	1n47	11n51	0n44	22s33	0s36	14s41	2n 6	5s57	0n36	20s56	0s28	21s 6	1n39	13n42	13n52	12s26			n.a.
W 2	9 28	15 52	0 53	18 36	2 15	9 41	1 51	12 5	0 44	22 31	0 36	14 41	2 6	5 56	0 36	20 55	0 28	21 6	1 39	13 42	13 53	12 25			n.a.
T 3	9 6	12 14	0n31	18 7	2 16	10 10	1 56	12 19	0 45	22 29	0 37	14 41	2 6	5 56	0 36	20 55	0 28	21 6	1 39	13 42	13 54	12 23			n.a.
F 4	8 44	7 47	1 53	17 37	2 17	10 38	2 0	12 33	0 45	22 27	0 37	14 41	2 6	5 55	0 36	20 55	0 28	21 6	1 39	13 42	13 55	12 22			n.a.
S 5	8 22	2 52	3 7	17 5	2 17	11 7	2 4	12 47	0 46	22 26	0 37	14 41	2 6	5 54	0 36	20 54	0 28	21 6	1 39	13 43	13 56	12 20			n.a.
S 6	7 59	2s 8	4 6	16 32	2 17	11 35	2 9	13 1	0 46	22 24	0 37	14 40	2 7	5 53	0 36	20 54	0 28	21 7	1 39	13 43	13 57	12 19			n.a.
M 7	7 37	6 53	4 48	15 56	2 16	12 3	2 13	13 14	0 46	22 22	0 37	14 40	2 7	5 53	0 36	20 53	0 28	21 7	1 39	13 44	13 58	12 17			n.a.
T 8	7 14	11 6	5 11	15 20	2 15	12 30	2 18	13 28	0 47	22 20	0 37	14 40	2 7	5 52	0 36	20 53	0 28	21 7	1 39	13 45	13 59	12 15			n.a.
W 9	6 52	14 35	5 16	14 41	2 13	12 58	2 22	13 42	0 47	22 18	0 38	14 39	2 7	5 51	0 36	20 53	0 28	21 7	1 39	13 45	14 0	12 14			n.a.
T 10	6 29	17 14	5 4	14 1	2 10	13 25	2 26	13 55	0 48	22 16	0 38	14 39	2 7	5 50	0 36	20 52	0 28	21 7	1 39	13 46	14 1	12 12			n.a.
F 11	6 6	18 56	4 37	13 19	2 8	13 51	2 30	14 8	0 48	22 15	0 38	14 38	2 7	5 50	0 36	20 52	0 28	21 7	1 39	13 46	14 2	12 11			n.a.
S 12	5 43	19 41	3 58	12 36	2 4	14 18	2 35	14 22	0 49	22 13	0 38	14 38	2 7	5 49	0 36	20 52	0 28	21 7	1 39	13 45	14 3	12 9			n.a.
S 13	5 20	19 30	3 9	11 51	2 0	14 44	2 39	14 35	0 49	22 11	0 38	14 37	2 8	5 48	0 36	20 51	0 28	21 7	1 39	13 45	14 4	12 8			n.a.
M14	4 57	18 26	2 12	11 4	1 56	15 9	2 43	14 48	0 50	22 9	0 39	14 37	2 8	5 47	0 36	20 51	0 28	21 7	1 38	13 44	14 5	12 6			n.a.
T 15	4 34	16 34	1 10	10 16	1 51	15 34	2 47	15 1	0 50	22 7	0 39	14 36	2 8	5 46	0 36	20 51	0 28	21 7	1 38	13 44	14 6	12 5			n.a.
W16	4 11	14 0	0 6	9 26	1 45	15 59	2 51	15 14	0 50	22 5	0 39	14 36	2 8	5 46	0 36	20 50	0 28	21 7	1 38	13 43	14 7	12 3			n.a.
T 17	3 47	10 52	0s58	8 35	1 39	16 24	2 55	15 26	0 51	22 4	0 39	14 35	2 8	5 45	0 36	20 50	0 28	21 7	1 38	13 44	14 8	12 1			n.a.
F 18	3 24	7 17	2 1	7 42	1 33	16 48	2 59	15 39	0 51	22 2	0 39	14 35	2 8	5 44	0 36	20 50	0 28	21 8	1 38	13 44	14 9	12 0			n.a.
S 19	3 1	3 24	2 58	6 48	1 25	17 12	3 3	15 52	0 52	22 0	0 40	14 34	2 8	5 43	0 36	20 49	0 28	21 8	1 38	13 45	14 10	11 58			n.a.
S 20	2 37	0n39	3 48	5 53	1 18	17 35	3 7	16 4	0 52	21 58	0 40	14 33	2 9	5 42	0 36	20 49	0 28	21 8	1 38	13 47	14 12	11 57			n.a.
M21	2 14	4 43	4 28	4 56	1 10	17 58	3 10	16 16	0 52	21 56	0 40	14 33	2 9	5 41	0 36	20 49	0 28	21 8	1 38	13 49	14 13	11 55			n.a.
T 22	1 50	8 39	4 56	3 58	1 1	18 20	3 14	16 29	0 53	21 55	0 40	14 32	2 9	5 40	0 36	20 48	0 28	21 8	1 38	13 50	14 14	11 54			n.a.
W23	1 27	12 16	5 10	2 59	0 52	18 42	3 18	16 41	0 53	21 53	0 40	14 31	2 9	5 39	0 36	20 48	0 28	21 8	1 38	13 52	14 15	11 52			n.a.
T 24	1 4	15 23	5 10	2 0	0 43	19 4	3 21	16 53	0 54	21 51	0 41	14 31	2 9	5 38	0 36	20 48	0 28	21 8	1 38	13 53	14 16	11 50			n.a.
F 25	0 40	17 48	4 54	0 59	0 33	19 25	3 25	17 5	0 54	21 49	0 41	14 30	2 9	5 38	0 36	20 48	0 28	21 8	1 38	13 54	14 17	11 49			n.a.
S 26	0 17	19 20	4 22	0n 2	0 23	19 45	3 28	17 16	0 54	21 48	0 41	14 29	2 9	5 37	0 36	20 47	0 28	21 8	1 38	13 55	14 18	11 47			n.a.
S 27	0n 7	19 48	3 34	1 3	0 12	20 5	3 31	17 28	0 55	21 46	0 41	14 28	2 9	5 36	0 36	20 47	0 28	21 8	1 38	13 55	14 19	11 46			n.a.
M28	0 30	19 3	2 33	2 5	0 2	20 25	3 35	17 40	0 55	21 44	0 41	14 27	2 9	5 35	0 36	20 47	0 28	21 8	1 38	13 54	14 20	11 44			n.a.
T 29	0 54	17 5	1 20	3 6	0n 9	20 44	3 38	17 51	0 55	21 43	0 42	14 26	2 10	5 34	0 36	20 46	0 28	21 8	1 38	13 54	14 21	11 42			n.a.
W30	1 17	13 57	0 1	4 7	0 20	21 3	3 41	18 2	0 56	21 41	0 42	14 26	2 10	5 33	0 36	20 46	0 28	21 8	1 38	13 53	14 22	11 41			n.a.
T 31	1n40	9n52	1n19	5n 8	0n31	21n21	3n44	18n14	0n56	21s39	0s42	14s25	2n10	5s32	0n36	20s46	0s28	21s 8	1n38	13n54	14n23	11s39			n.a.

Julian Day Number = 1553832.5, Delta T = 04h28m57s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'34, Lahiri = -10°17'33 Julian Calendar 1 March 459 BCE == Greg. Calendar 24 Feb. 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

APRIL 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 13 41	5♈ 7'02	23♍ 7	13♈45	20♉11	18♉20	27♊28	14°R43	15°R13	0♒32	13°R47	23°R21	21♌52	2♓25	n.a.	F 1
S 2	12 17 38	6° 4'59	8♎ 8	15°50	21° 4	18°58	27°37	14♏41	15♎11	0°33	13♐46	23♌16	21°49	2°32	n.a.	S 2
S 3	12 21 34	7° 2'55	22°58	17°53	21°56	19°36	27°46	14°38	15° 8	0°34	13°46	23°10	21°45	2°38	n.a.	S 3
M 4	12 25 31	8° 0'49	7♏31	19°55	22°48	20°13	27°55	14°35	15° 6	0°35	13°46	23° 3	21°42	2°45	n.a.	M 4
T 5	12 29 27	8°58'42	21°39	21°54	23°39	20°51	28° 4	14°32	15° 3	0°36	13°45	22°57	21°39	2°52	n.a.	T 5
W 6	12 33 24	9°56'33	5♐20	23°51	24°29	21°29	28°13	14°28	15° 1	0°37	13°45	22°51	21°36	2°58	n.a.	W 6
T 7	12 37 21	10°54'23	18°33	25°46	25°19	22° 7	28°21	14°25	14°58	0°38	13°44	22°47	21°33	3° 5	n.a.	T 7
F 8	12 41 17	11°52'12	1♑20	27°38	26° 7	22°45	28°30	14°22	14°56	0°39	13°44	22°44	21°29	3°12	n.a.	F 8
S 9	12 45 14	12°49'59	13°45	29°26	26°55	23°22	28°38	14°19	14°53	0°40	13°43	22°D44	21°26	3°18	n.a.	S 9
S 10	12 49 10	13°47'45	25°52	1♉12	27°43	24° 0	28°46	14°15	14°51	0°41	13°43	22°44	21°23	3°25	n.a.	S 10
M11	12 53 7	14°45'30	7♒48	2°54	28°29	24°38	28°54	14°12	14°48	0°42	13°42	22°45	21°20	3°32	n.a.	M11
T 12	12 57 3	15°43'13	19°36	4°34	29°15	25°16	29° 2	14° 8	14°46	0°43	13°42	22°R46	21°17	3°38	n.a.	T 12
W13	13 1 0	16°40'56	1♓23	6° 9	29°59	25°53	29°10	14° 4	14°43	0°44	13°41	22°46	21°14	3°45	n.a.	W13
T 14	13 4 56	17°38'36	13°11	7°42	0♊43	26°31	29°18	14° 1	14°41	0°45	13°40	22°44	21°10	3°52	n.a.	T 14
F 15	13 8 53	18°36'16	25° 5	9°11	1°26	27° 9	29°25	13°57	14°38	0°46	13°40	22°39	21° 7	3°58	n.a.	F 15
S 16	13 12 50	19°33'54	7♈ 7	10°36	2° 7	27°47	29°32	13°53	14°36	0°46	13°39	22°32	21° 4	4° 5	n.a.	S 16
S 17	13 16 46	20°31'31	19°20	11°58	2°48	28°25	29°40	13°50	14°33	0°47	13°38	22°23	21° 1	4°12	n.a.	S 17
M18	13 20 43	21°29'07	1♉44	13°16	3°28	29° 2	29°47	13°46	14°31	0°48	13°37	22°13	20°58	4°18	n.a.	M18
T 19	13 24 39	22°26'41	14°20	14°31	4° 6	29°40	29°53	13°42	14°28	0°49	13°37	22° 2	20°55	4°25	n.a.	T 19
W20	13 28 36	23°24'14	27° 9	15°41	4°43	0♊18	0♒ 0	13°38	14°26	0°49	13°36	21°52	20°51	4°31	n.a.	W20
T 21	13 32 32	24°21'45	10♊ 9	16°48	5°19	0°56	0° 7	13°34	14°23	0°50	13°35	21°43	20°48	4°38	n.a.	T 21
F 22	13 36 29	25°19'15	23°23	17°51	5°54	1°33	0°13	13°30	14°21	0°50	13°34	21°37	20°45	4°45	n.a.	F 22
S 23	13 40 25	26°16'44	6♋49	18°50	6°28	2°11	0°19	13°26	14°18	0°51	13°33	21°33	20°42	4°51	n.a.	S 23
S 24	13 44 22	27°14'11	20°29	19°46	7° 0	2°49	0°26	13°22	14°16	0°52	13°32	21°32	20°39	4°58	n.a.	S 24
M25	13 48 19	28°11'37	4♌23	20°37	7°30	3°26	0°32	13°17	14°13	0°52	13°32	21°D32	20°35	5° 5	n.a.	M25
T 26	13 52 15	29° 9'01	18°31	21°24	7°59	4° 4	0°37	13°13	14°11	0°52	13°31	21°R32	20°32	5°11	n.a.	T 26
W27	13 56 12	0♉ 6'24	2♍53	22° 6	8°27	4°42	0°43	13° 9	14° 9	0°53	13°30	21°32	20°29	5°18	n.a.	W27
T 28	14 0 8	1° 3'45	17°26	22°45	8°53	5°20	0°48	13° 5	14° 6	0°53	13°29	21°29	20°26	5°25	n.a.	T 28
F 29	14 4 5	2° 1'06	2♎ 6	23°19	9°17	5°57	0°54	13° 1	14° 4	0°54	13°28	21°25	20°23	5°31	n.a.	F 29
S 30	14 8 1	2♉58'25	16♎48	23♉48	9♊40	6♊35	0♒59	12♏56	14♎ 2	0♒54	13♐27	21♌17	20♌20	5♓38	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n 4	5n 8	2n34	6n 7	0n41	21n39	3n46	18n25	0n56	21s38	0s42	14s24	2n10	5s31	0n36	20s46	0s28	21s 8	1n38	13n55	14n24	11s38		n.a.
S 2	2 27	0 5	3 39	7 6	0 52	21 56	3 49	18 36	0 57	21 36	0 42	14 23	2 10	5 30	0 36	20 45	0 28	21 8	1 38	13 56	14 25	11 36		n.a.
S 3	2 50	4s54	4 28	8 4	1 2	22 12	3 52	18 46	0 57	21 34	0 43	14 22	2 10	5 29	0 36	20 45	0 29	21 8	1 37	13 58	14 26	11 34		n.a.
M 4	3 13	9 30	4 58	9 0	1 12	22 29	3 54	18 57	0 57	21 33	0 43	14 21	2 10	5 28	0 36	20 45	0 29	21 8	1 37	14 0	14 27	11 33		n.a.
T 5	3 36	13 26	5 9	9 55	1 22	22 44	3 56	19 8	0 58	21 31	0 43	14 20	2 10	5 27	0 36	20 45	0 29	21 8	1 37	14 3	14 28	11 31		n.a.
W 6	3 59	16 31	5 2	10 47	1 32	22 59	3 58	19 18	0 58	21 30	0 43	14 19	2 10	5 26	0 36	20 45	0 29	21 8	1 37	14 5	14 29	11 30		n.a.
T 7	4 22	18 37	4 39	11 38	1 40	23 13	4 0	19 28	0 58	21 28	0 44	14 18	2 10	5 25	0 36	20 44	0 29	21 8	1 37	14 6	14 30	11 28		n.a.
F 8	4 45	19 43	4 2	12 27	1 49	23 27	4 2	19 38	0 59	21 27	0 44	14 17	2 10	5 24	0 36	20 44	0 29	21 8	1 37	14 7	14 31	11 26		n.a.
S 9	5 8	19 48	3 15	13 13	1 56	23 41	4 4	19 48	0 59	21 25	0 44	14 16	2 11	5 23	0 36	20 44	0 29	21 8	1 37	14 7	14 32	11 25		n.a.
S 10	5 31	18 57	2 20	13 58	2 3	23 53	4 6	19 58	0 59	21 24	0 44	14 15	2 11	5 22	0 36	20 44	0 29	21 8	1 37	14 7	14 33	11 23		n.a.
M11	5 53	17 16	1 20	14 40	2 10	24 5	4 7	20 8	0 59	21 22	0 45	14 14	2 11	5 21	0 36	20 44	0 29	21 8	1 37	14 6	14 34	11 21		n.a.
T 12	6 16	14 52	0 17	15 19	2 15	24 17	4 8	20 17	1 0	21 21	0 45	14 12	2 11	5 20	0 36	20 43	0 29	21 8	1 37	14 6	14 35	11 20		n.a.
W13	6 38	11 51	0s46	15 57	2 20	24 28	4 9	20 27	1 0	21 19	0 45	14 11	2 11	5 19	0 36	20 43	0 29	21 8	1 37	14 6	14 36	11 18		n.a.
T 14	7 1	8 21	1 48	16 32	2 24	24 38	4 10	20 36	1 0	21 18	0 45	14 10	2 11	5 18	0 36	20 43	0 29	21 8	1 37	14 7	14 38	11 16		n.a.
F 15	7 23	4 29	2 45	17 4	2 28	24 48	4 11	20 45	1 1	21 17	0 46	14 9	2 11	5 17	0 36	20 43	0 29	21 8	1 37	14 9	14 39	11 15		n.a.
S 16	7 45	0 25	3 35	17 34	2 30	24 57	4 11	20 54	1 1	21 15	0 46	14 8	2 11	5 16	0 36	20 43	0 29	21 8	1 37	14 11	14 40	11 13		n.a.
S 17	8 7	3n43	4 16	18 2	2 32	25 6	4 12	21 3	1 1	21 14	0 46	14 7	2 11	5 15	0 36	20 43	0 29	21 8	1 37	14 14	14 41	11 11		n.a.
M18	8 29	7 46	4 45	18 27	2 33	25 14	4 12	21 12	1 1	21 13	0 46	14 6	2 11	5 14	0 36	20 43	0 29	21 8	1 37	14 17	14 42	11 10		n.a.
T 19	8 51	11 33	5 1	18 49	2 33	25 21	4 12	21 21	1 2	21 12	0 46	14 4	2 11	5 13	0 36	20 42	0 29	21 8	1 37	14 21	14 43	11 8		n.a.
W20	9 12	14 52	5 3	19 10	2 32	25 28	4 11	21 29	1 2	21 10	0 47	14 3	2 11	5 12	0 36	20 42	0 29	21 8	1 37	14 24	14 44	11 6		n.a.
T 21	9 34	17 30	4 49	19 28	2 30	25 34	4 11	21 37	1 2	21 9	0 47	14 2	2 11	5 11	0 36	20 42	0 29	21 8	1 36	14 27	14 45	11 5		n.a.
F 22	9 55	19 16	4 19	19 44	2 27	25 40	4 10	21 45	1 2	21 8	0 47	14 1	2 11	5 11	0 36	20 42	0 29	21 8	1 36	14 29	14 46	11 3		n.a.
S 23	10 16	20 0	3 35	19 57	2 24	25 45	4 9	21 53	1 3	21 7	0 48	13 59	2 11	5 10	0 36	20 42	0 29	21 8	1 36	14 30	14 47	11 1		n.a.
S 24	10 37	19 34	2 38	20 8	2 19	25 49	4 7	22 1	1 3	21 6	0 48	13 58	2 11	5 9	0 36	20 42	0 29	21 8	1 36	14 31	14 48	11 0		n.a.
M25	10 58	17 57	1 30	20 17	2 14	25 53	4 6	22 9	1 3	21 5	0 48	13 57	2 11	5 8	0 36	20 42	0 29	21 8	1 36	14 31	14 49	10 58		n.a.
T 26	11 19	15 13	0 16	20 24	2 8	25 56	4 4	22 16	1 3	21 4	0 48	13 56	2 11	5 7	0 36	20 42	0 29	21 8	1 36	14 30	14 50	10 56		n.a.
W27	11 39	11 31	1n 0	20 28	2 1	25 58	4 2	22 23	1 3	21 3	0 49	13 54	2 11	5 6	0 36	20 42	0 29	21 7	1 36	14 31	14 51	10 55		n.a.
T 28	12 0	7 4	2 13	20 31	1 53	26 0	3 59	22 31	1 4	21 2	0 49	13 53	2 11	5 5	0 36	20 42	0 29	21 7	1 36	14 31	14 52	10 53		n.a.
F 29	12 20	2 10	3 18	20 31	1 44	26 1	3 56	22 38	1 4	21 1	0 49	13 52	2 11	5 4	0 36	20 42	0 29	21 7	1 36	14 33	14 53	10 51		n.a.
S 30	12n40	2s51	4n10	20n29	1n34	26n 2	3n53	22n44	1n 4	21s 0	0s49	13s50	2n11	5s 3	0n36	20s42	0s29	21s 7	1n36	14n35	14n54	10s50		n.a.

Julian Day Number = 1553863.5, Delta T = 04h28m56s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'30, Lahiri = -10°17'29 Julian Calendar 1 Apr. 459 BCE == Greg. Calendar 27 March 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

MAY 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 11 58	3♉55'42	1♏23	24♉14	10♊ 1	7♊13	1♒ 4	12°R52	13°R59	0♒54	13°R26	21°R 8	20♌16	5♓45	n.a.	S 1
M 2	14 15 54	4°53'00	15°45	24°34	10°20	7°50	1° 9	12♏48	13♎57	0°55	13♐24	20♌57	20°13	5°51	n.a.	M 2
T 3	14 19 51	5°50'16	29°47	24°50	10°37	8°28	1°13	12°43	13°55	0°55	13°23	20°46	20°10	5°58	n.a.	T 3
W 4	14 23 48	6°47'31	13♐25	25° 2	10°52	9° 6	1°18	12°39	13°52	0°55	13°22	20°37	20° 7	6° 5	n.a.	W 4
T 5	14 27 44	7°44'46	26°38	25° 8	11° 6	9°44	1°22	12°35	13°50	0°55	13°21	20°29	20° 4	6°11	n.a.	T 5
F 6	14 31 41	8°42'01	9♑26	25°R10	11°17	10°21	1°26	12°30	13°48	0°55	13°20	20°23	20° 0	6°18	n.a.	F 6
S 7	14 35 37	9°39'14	21°53	25° 8	11°26	10°59	1°30	12°26	13°46	0°55	13°19	20°20	19°57	6°25	n.a.	S 7
S 8	14 39 34	10°36'27	4♒ 2	25° 2	11°33	11°37	1°34	12°22	13°44	0°55	13°18	20°19	19°54	6°31	n.a.	S 8
M 9	14 43 30	11°33'40	15°59	24°51	11°37	12°14	1°38	12°17	13°41	0°56	13°17	20°19	19°51	6°38	n.a.	M 9
T 10	14 47 27	12°30'53	27°48	24°36	11°40	12°52	1°41	12°13	13°39	0°R56	13°15	20°19	19°48	6°45	n.a.	T 10
W11	14 51 23	13°28'04	9♓36	24°17	11°R40	13°30	1°44	12° 8	13°37	0°55	13°14	20°18	19°45	6°51	n.a.	W11
T 12	14 55 20	14°25'16	21°27	23°54	11°38	14° 7	1°47	12° 4	13°35	0°55	13°13	20°15	19°41	6°58	n.a.	T 12
F 13	14 59 17	15°22'27	3♈27	23°29	11°33	14°45	1°50	12° 0	13°33	0°55	13°12	20° 9	19°38	7° 4	n.a.	F 13
S 14	15 3 13	16°19'38	15°37	23° 1	11°26	15°23	1°53	11°55	13°31	0°55	13°10	20° 1	19°35	7°11	n.a.	S 14
S 15	15 7 10	17°16'48	28° 2	22°30	11°17	16° 1	1°55	11°51	13°29	0°55	13° 9	19°50	19°32	7°18	n.a.	S 15
M16	15 11 6	18°13'58	10♉41	21°58	11° 5	16°38	1°58	11°46	13°27	0°55	13° 8	19°38	19°29	7°24	n.a.	M16
T 17	15 15 3	19°11'08	23°36	21°25	10°51	17°16	2° 0	11°42	13°25	0°55	13° 6	19°25	19°26	7°31	n.a.	T 17
W18	15 18 59	20° 8'17	6♊46	20°50	10°35	17°54	2° 2	11°38	13°24	0°54	13° 5	19°13	19°22	7°38	n.a.	W18
T 19	15 22 56	21° 5'26	20° 8	20°16	10°16	18°31	2° 4	11°33	13°22	0°54	13° 4	19° 2	19°19	7°44	n.a.	T 19
F 20	15 26 52	22° 2'34	3♋41	19°42	9°55	19° 9	2° 5	11°29	13°20	0°54	13° 2	18°54	19°16	7°51	n.a.	F 20
S 21	15 30 49	22°59'42	17°24	19° 9	9°32	19°47	2° 7	11°25	13°18	0°53	13° 1	18°49	19°13	7°58	n.a.	S 21
S 22	15 34 46	23°56'49	1♌14	18°38	9° 7	20°25	2° 8	11°21	13°17	0°53	13° 0	18°47	19°10	8° 4	n.a.	S 22
M23	15 38 42	24°53'56	15°12	18° 9	8°40	21° 2	2° 9	11°16	13°15	0°53	12°58	18°46	19° 6	8°11	n.a.	M23
T 24	15 42 39	25°51'02	29°17	17°43	8°10	21°40	2°10	11°12	13°13	0°52	12°57	18°46	19° 3	8°18	n.a.	T 24
W25	15 46 35	26°48'07	13♍27	17°20	7°40	22°18	2°10	11° 8	13°12	0°52	12°55	18°46	19° 0	8°24	n.a.	W25
T 26	15 50 32	27°45'12	27°43	17° 0	7° 7	22°55	2°11	11° 4	13°10	0°51	12°54	18°43	18°57	8°31	n.a.	T 26
F 27	15 54 28	28°42'17	12♎ 0	16°44	6°33	23°33	2°11	11° 0	13° 9	0°51	12°53	18°38	18°54	8°38	n.a.	F 27
S 28	15 58 25	29°39'21	26°17	16°33	5°58	24°11	2°R11	10°56	13° 7	0°50	12°51	18°31	18°51	8°44	n.a.	S 28
S 29	16 2 21	0♊36'25	10♏27	16°25	5°22	24°49	2°11	10°52	13° 6	0°50	12°50	18°21	18°47	8°51	n.a.	S 29
M30	16 6 18	1°33'30	24°27	16°D23	4°46	25°26	2°10	10°48	13° 4	0°49	12°48	18°10	18°44	8°58	n.a.	M30
T 31	16 10 15	2♊30'34	8♐11	16♉25	4♊ 8	26♊ 4	2♒10	10♏44	13♎ 3	0♒48	12♐47	17♌59	18♌41	9♓ 4	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	12n59	7s40	4n45	20n25	1n23	26n 1	3n50	22n51	1n 4	20s59	0s50	13s49	2n11	5s 2	0n36	20s41	0s29	21s 7	1n36	14n38	14n55	10s48			n.a.
M 2	13 19	11 58	5 1	20 19	1 12	26 0	3 46	22 58	1 4	20 58	0 50	13 48	2 11	5 1	0 36	20 41	0 29	21 7	1 36	14 42	14 56	10 46			n.a.
T 3	13 38	15 30	4 58	20 11	0 59	25 59	3 42	23 4	1 5	20 58	0 50	13 47	2 11	5 0	0 36	20 41	0 29	21 7	1 36	14 45	14 57	10 45			n.a.
W 4	13 57	18 6	4 39	20 1	0 46	25 57	3 37	23 10	1 5	20 57	0 50	13 45	2 11	5 0	0 36	20 41	0 29	21 7	1 36	14 48	14 58	10 43			n.a.
T 5	14 16	19 38	4 5	19 49	0 32	25 54	3 32	23 16	1 5	20 56	0 51	13 44	2 11	4 59	0 36	20 41	0 29	21 7	1 36	14 51	14 59	10 41			n.a.
F 6	14 35	20 6	3 19	19 35	0 17	25 50	3 27	23 22	1 5	20 55	0 51	13 43	2 11	4 58	0 36	20 41	0 29	21 7	1 36	14 53	15 0	10 39			n.a.
S 7	14 54	19 34	2 25	19 20	0 2	25 45	3 21	23 28	1 5	20 55	0 51	13 41	2 11	4 57	0 36	20 41	0 29	21 7	1 35	14 54	15 1	10 38			n.a.
S 8	15 12	18 7	1 25	19 3	0s14	25 40	3 14	23 33	1 6	20 54	0 52	13 40	2 11	4 56	0 36	20 41	0 29	21 7	1 35	14 54	15 2	10 36			n.a.
M 9	15 30	15 53	0 23	18 44	0 30	25 34	3 8	23 38	1 6	20 54	0 52	13 39	2 11	4 55	0 36	20 41	0 30	21 7	1 35	14 54	15 3	10 34			n.a.
T 10	15 48	13 1	0s40	18 25	0 47	25 27	3 1	23 43	1 6	20 53	0 52	13 38	2 11	4 55	0 36	20 41	0 30	21 7	1 35	14 54	15 4	10 33			n.a.
W11	16 5	9 37	1 40	18 4	1 3	25 20	2 53	23 48	1 6	20 53	0 52	13 36	2 11	4 54	0 36	20 41	0 30	21 7	1 35	14 54	15 5	10 31			n.a.
T 12	16 22	5 50	2 37	17 42	1 20	25 12	2 45	23 53	1 6	20 52	0 53	13 35	2 11	4 53	0 36	20 42	0 30	21 6	1 35	14 55	15 6	10 29			n.a.
F 13	16 39	1 47	3 27	17 19	1 37	25 3	2 37	23 58	1 6	20 52	0 53	13 34	2 11	4 52	0 36	20 42	0 30	21 6	1 35	14 57	15 7	10 27			n.a.
S 14	16 56	2n24	4 9	16 56	1 54	24 53	2 28	24 2	1 7	20 52	0 53	13 32	2 11	4 51	0 36	20 42	0 30	21 6	1 35	15 0	15 8	10 26			n.a.
S 15	17 13	6 34	4 39	16 32	2 10	24 42	2 18	24 7	1 7	20 51	0 54	13 31	2 10	4 51	0 36	20 42	0 30	21 6	1 35	15 3	15 9	10 24			n.a.
M16	17 29	10 31	4 57	16 9	2 26	24 31	2 8	24 11	1 7	20 51	0 54	13 30	2 10	4 50	0 36	20 42	0 30	21 6	1 35	15 7	15 10	10 22			n.a.
T 17	17 45	14 5	5 0	15 45	2 41	24 18	1 58	24 15	1 7	20 51	0 54	13 29	2 10	4 49	0 35	20 42	0 30	21 6	1 35	15 11	15 11	10 21			n.a.
W18	18 0	17 1	4 47	15 23	2 55	24 5	1 47	24 18	1 7	20 51	0 54	13 27	2 10	4 49	0 35	20 42	0 30	21 6	1 35	15 15	15 12	10 19			n.a.
T 19	18 16	19 5	4 18	15 1	3 9	23 51	1 36	24 22	1 7	20 51	0 55	13 26	2 10	4 48	0 35	20 42	0 30	21 6	1 35	15 18	15 13	10 17			n.a.
F 20	18 31	20 8	3 34	14 40	3 21	23 37	1 24	24 25	1 7	20 51	0 55	13 25	2 10	4 47	0 35	20 42	0 30	21 6	1 34	15 21	15 14	10 15			n.a.
S 21	18 46	20 0	2 38	14 20	3 33	23 21	1 12	24 28	1 8	20 51	0 55	13 24	2 10	4 47	0 35	20 42	0 30	21 6	1 34	15 23	15 15	10 14			n.a.
S 22	19 0	18 39	1 31	14 2	3 43	23 5	1 0	24 31	1 8	20 51	0 56	13 22	2 10	4 46	0 35	20 42	0 30	21 6	1 34	15 23	15 16	10 12			n.a.
M23	19 14	16 11	0 19	13 45	3 51	22 48	0 47	24 34	1 8	20 51	0 56	13 21	2 10	4 45	0 35	20 42	0 30	21 5	1 34	15 24	15 17	10 10			n.a.
T 24	19 28	12 44	0n55	13 31	3 59	22 31	0 34	24 37	1 8	20 51	0 56	13 20	2 10	4 45	0 35	20 43	0 30	21 5	1 34	15 24	15 18	10 8			n.a.
W25	19 42	8 32	2 7	13 19	4 5	22 13	0 21	24 39	1 8	20 51	0 56	13 19	2 9	4 44	0 35	20 43	0 30	21 5	1 34	15 24	15 19	10 7			n.a.
T 26	19 55	3 50	3 11	13 9	4 9	21 54	0 7	24 42	1 8	20 51	0 57	13 18	2 9	4 43	0 35	20 43	0 30	21 5	1 34	15 24	15 20	10 5			n.a.
F 27	20 8	1s 5	4 3	13 1	4 13	21 34	0s 7	24 44	1 8	20 51	0 57	13 16	2 9	4 43	0 35	20 43	0 30	21 5	1 34	15 26	15 21	10 3			n.a.
S 28	20 20	5 56	4 39	12 56	4 14	21 15	0 21	24 46	1 8	20 52	0 57	13 15	2 9	4 42	0 35	20 43	0 30	21 5	1 34	15 28	15 22	10 1			n.a.
S 29	20 32	10 25	4 59	12 54	4 15	20 54	0 35	24 47	1 9	20 52	0 58	13 14	2 9	4 42	0 35	20 43	0 30	21 5	1 34	15 31	15 23	9 59			n.a.
M30	20 44	14 17	5 0	12 54	4 14	20 34	0 49	24 49	1 9	20 52	0 58	13 13	2 9	4 41	0 35	20 43	0 30	21 5	1 34	15 35	15 24	9 58			n.a.
T 31	20n56	17s18	4n43	12n56	4s12	20n13	1s 3	24n50	1n 9	20s53	0s58	13s12	2n 9	4s41	0n35	20s44	0s30	21s 5	1n33	15n38	15n25	9s56			n.a.

Julian Day Number = 1553893.5, Delta T = 04h28m55s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'25, Lahiri = -10°17'25 Julian Calendar 1 May 459 BCE == Greg. Calendar 26 Apr. 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

JUNE 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 14 11	3♊27'38	21♐37	16♉32	3°R31	26♊42	2°R 9	10°R40	13°R 2	0°R48	12°R45	17°R48	18♌38	9♓11	n.a.	W 1
T 2	16 18 8	4°24'42	4♑41	16°44	2♊53	27°20	2♒ 8	10♏36	13♎ 0	0♒47	12♐44	17♌40	18°35	9°18	n.a.	T 2
F 3	16 22 4	5°21'47	17°24	17° 1	2°16	27°57	2° 7	10°32	12°59	0°46	12°42	17°34	18°32	9°24	n.a.	F 3
S 4	16 26 1	6°18'52	29°49	17°23	1°39	28°35	2° 6	10°29	12°58	0°45	12°41	17°30	18°28	9°31	n.a.	S 4
S 5	16 29 57	7°15'58	11♒57	17°50	1° 3	29°13	2° 4	10°25	12°57	0°45	12°40	17°29	18°25	9°38	n.a.	S 5
M 6	16 33 54	8°13'04	23°54	18°23	0°28	29°51	2° 2	10°21	12°56	0°44	12°38	17°D29	18°22	9°44	n.a.	M 6
T 7	16 37 51	9°10'10	5♓45	19° 0	29♉54	0♋28	2° 1	10°18	12°55	0°43	12°37	17°R29	18°19	9°51	n.a.	T 7
W 8	16 41 47	10° 7'17	17°34	19°42	29°21	1° 6	1°59	10°14	12°54	0°42	12°35	17°29	18°16	9°57	n.a.	W 8
T 9	16 45 44	11° 4'24	29°27	20°29	28°50	1°44	1°56	10°11	12°53	0°41	12°34	17°28	18°12	10° 4	n.a.	T 9
F 10	16 49 40	12° 1'32	11♈30	21°21	28°20	2°22	1°54	10° 7	12°52	0°40	12°32	17°24	18° 9	10°11	n.a.	F 10
S 11	16 53 37	12°58'41	23°46	22°18	27°52	3° 0	1°51	10° 4	12°51	0°39	12°31	17°18	18° 6	10°17	n.a.	S 11
S 12	16 57 33	13°55'50	6♉19	23°19	27°27	3°37	1°48	10° 1	12°50	0°38	12°29	17° 9	18° 3	10°24	n.a.	S 12
M13	17 1 30	14°53'00	19°11	24°26	27° 3	4°15	1°45	9°57	12°49	0°37	12°28	17° 0	18° 0	10°31	n.a.	M13
T 14	17 5 26	15°50'11	2♊22	25°36	26°41	4°53	1°42	9°54	12°49	0°36	12°26	16°49	17°57	10°37	n.a.	T 14
W15	17 9 23	16°47'22	15°52	26°52	26°22	5°31	1°39	9°51	12°48	0°35	12°25	16°40	17°53	10°44	n.a.	W15
T 16	17 13 20	17°44'34	29°37	28°12	26° 5	6° 9	1°35	9°48	12°47	0°34	12°23	16°31	17°50	10°51	n.a.	T 16
F 17	17 17 16	18°41'47	13♋35	29°36	25°50	6°47	1°31	9°45	12°47	0°33	12°22	16°25	17°47	10°57	n.a.	F 17
S 18	17 21 13	19°39'00	27°41	1♊ 4	25°38	7°25	1°28	9°42	12°46	0°32	12°20	16°21	17°44	11° 4	n.a.	S 18
S 19	17 25 9	20°36'13	11♌52	2°36	25°28	8° 3	1°23	9°40	12°46	0°31	12°19	16°D20	17°41	11°11	n.a.	S 19
M20	17 29 6	21°33'27	26° 5	4°13	25°20	8°40	1°19	9°37	12°46	0°30	12°17	16°20	17°38	11°17	n.a.	M20
T 21	17 33 2	22°30'41	10♍17	5°53	25°15	9°18	1°15	9°34	12°45	0°28	12°16	16°21	17°34	11°24	n.a.	T 21
W22	17 36 59	23°27'56	24°27	7°37	25°12	9°56	1°10	9°32	12°45	0°27	12°14	16°R21	17°31	11°31	n.a.	W22
T 23	17 40 55	24°25'11	8♎33	9°24	25°D11	10°34	1° 5	9°29	12°45	0°26	12°13	16°20	17°28	11°37	n.a.	T 23
F 24	17 44 52	25°22'27	22°34	11°15	25°13	11°12	1° 0	9°27	12°45	0°25	12°12	16°18	17°25	11°44	n.a.	F 24
S 25	17 48 49	26°19'43	6♏28	13° 8	25°17	11°50	0°55	9°25	12°44	0°24	12°10	16°13	17°22	11°51	n.a.	S 25
S 26	17 52 45	27°17'00	20°13	15° 4	25°23	12°28	0°50	9°22	12°44	0°22	12° 9	16° 6	17°18	11°57	n.a.	S 26
M27	17 56 42	28°14'17	3♐47	17° 2	25°31	13° 6	0°45	9°20	12°D44	0°21	12° 7	15°58	17°15	12° 4	n.a.	M27
T 28	18 0 38	29°11'36	17° 8	19° 3	25°42	13°44	0°39	9°18	12°44	0°20	12° 6	15°51	17°12	12°11	n.a.	T 28
W29	18 4 35	0♋ 8'55	0♑12	21° 4	25°54	14°22	0°34	9°16	12°44	0°18	12° 5	15°43	17° 9	12°17	n.a.	W29
T 30	18 8 31	1♋ 6'16	13♑ 1	23♊ 7	26♉ 9	15♋ 0	0♒28	9♏14	12♎44	0♒17	12♐ 3	15♌38	17♌ 6	12♓24	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n 7	19s18	4n11	13n 1	4s 9	19n52	1s17	24n51	1n 9	20s53	0s59	13s11	2n 9	4s40	0n35	20s44	0s30	21s 5	1n33	15n42	15n26	9s54		n.a.
T 2	21 18	20 13	3 27	13 9	4 5	19 32	1 30	24 52	1 9	20 54	0 59	13 10	2 8	4 40	0 35	20 44	0 30	21 5	1 33	15 44	15 27	9 52		n.a.
F 3	21 28	20 5	2 33	13 19	3 59	19 11	1 44	24 53	1 9	20 54	0 59	13 9	2 8	4 39	0 35	20 44	0 30	21 4	1 33	15 46	15 28	9 51		n.a.
S 4	21 39	18 57	1 33	13 31	3 53	18 50	1 58	24 54	1 9	20 55	0 59	13 8	2 8	4 39	0 35	20 44	0 30	21 4	1 33	15 47	15 29	9 49		n.a.
S 5	21 48	16 57	0 29	13 46	3 46	18 30	2 11	24 54	1 9	20 55	1 0	13 7	2 8	4 39	0 35	20 45	0 30	21 4	1 33	15 48	15 30	9 47		n.a.
M 6	21 58	14 16	0s34	14 2	3 38	18 10	2 23	24 54	1 9	20 56	1 0	13 6	2 8	4 38	0 35	20 45	0 30	21 4	1 33	15 48	15 31	9 45		n.a.
T 7	22 7	11 0	1 36	14 21	3 29	17 51	2 36	24 54	1 9	20 57	1 0	13 5	2 8	4 38	0 35	20 45	0 30	21 4	1 33	15 47	15 32	9 43		n.a.
W 8	22 15	7 19	2 33	14 42	3 19	17 33	2 48	24 54	1 9	20 58	1 1	13 4	2 7	4 37	0 35	20 45	0 30	21 4	1 33	15 48	15 33	9 42		n.a.
T 9	22 24	3 20	3 24	15 4	3 9	17 14	2 59	24 54	1 10	20 58	1 1	13 3	2 7	4 37	0 35	20 45	0 30	21 4	1 33	15 48	15 34	9 40		n.a.
F 10	22 31	0n49	4 7	15 28	2 58	16 57	3 10	24 53	1 10	20 59	1 1	13 2	2 7	4 37	0 35	20 46	0 30	21 4	1 33	15 49	15 35	9 38		n.a.
S 11	22 39	5 1	4 39	15 54	2 47	16 41	3 21	24 53	1 10	21 0	1 1	13 1	2 7	4 36	0 35	20 46	0 30	21 4	1 32	15 51	15 36	9 36		n.a.
S 12	22 46	9 6	4 59	16 21	2 35	16 25	3 31	24 52	1 10	21 1	1 2	13 0	2 7	4 36	0 35	20 46	0 30	21 4	1 32	15 54	15 37	9 34		n.a.
M13	22 53	12 52	5 4	16 49	2 23	16 11	3 40	24 51	1 10	21 2	1 2	12 59	2 7	4 36	0 35	20 46	0 30	21 3	1 32	15 57	15 38	9 33		n.a.
T 14	22 59	16 7	4 53	17 18	2 10	15 57	3 49	24 49	1 10	21 3	1 2	12 59	2 6	4 36	0 35	20 47	0 30	21 3	1 32	16 0	15 39	9 31		n.a.
W15	23 5	18 35	4 26	17 48	1 58	15 44	3 58	24 48	1 10	21 4	1 3	12 58	2 6	4 35	0 35	20 47	0 31	21 3	1 32	16 3	15 40	9 29		n.a.
T 16	23 11	20 2	3 43	18 19	1 45	15 33	4 6	24 46	1 10	21 5	1 3	12 57	2 6	4 35	0 35	20 47	0 31	21 3	1 32	16 5	15 41	9 27		n.a.
F 17	23 16	20 18	2 46	18 50	1 32	15 22	4 13	24 44	1 10	21 6	1 3	12 56	2 6	4 35	0 35	20 47	0 31	21 3	1 32	16 7	15 42	9 25		n.a.
S 18	23 20	19 17	1 38	19 22	1 18	15 13	4 20	24 42	1 10	21 7	1 3	12 56	2 6	4 35	0 34	20 48	0 31	21 3	1 32	16 8	15 43	9 24		n.a.
S 19	23 25	17 4	0 24	19 53	1 5	15 4	4 26	24 40	1 10	21 9	1 4	12 55	2 5	4 35	0 34	20 48	0 31	21 3	1 32	16 9	15 44	9 22		n.a.
M20	23 29	13 48	0n52	20 25	0 52	14 57	4 32	24 38	1 10	21 10	1 4	12 54	2 5	4 35	0 34	20 48	0 31	21 3	1 31	16 9	15 45	9 20		n.a.
T 21	23 32	9 44	2 5	20 55	0 39	14 51	4 37	24 35	1 10	21 11	1 4	12 54	2 5	4 34	0 34	20 48	0 31	21 3	1 31	16 8	15 46	9 18		n.a.
W22	23 35	5 8	3 10	21 26	0 26	14 45	4 42	24 32	1 10	21 12	1 5	12 53	2 5	4 34	0 34	20 49	0 31	21 3	1 31	16 8	15 47	9 16		n.a.
T 23	23 38	0 17	4 3	21 55	0 14	14 41	4 46	24 29	1 10	21 14	1 5	12 52	2 5	4 34	0 34	20 49	0 31	21 3	1 31	16 9	15 48	9 14		n.a.
F 24	23 40	4s32	4 42	22 23	0 2	14 38	4 50	24 26	1 10	21 15	1 5	12 52	2 4	4 34	0 34	20 49	0 31	21 3	1 31	16 9	15 49	9 13		n.a.
S 25	23 42	9 5	5 3	22 50	0n10	14 36	4 53	24 23	1 10	21 16	1 5	12 51	2 4	4 34	0 34	20 50	0 31	21 2	1 31	16 11	15 50	9 11		n.a.
S 26	23 43	13 6	5 7	23 15	0 21	14 34	4 56	24 19	1 10	21 18	1 6	12 51	2 4	4 34	0 34	20 50	0 31	21 2	1 31	16 13	15 51	9 9		n.a.
M27	23 44	16 23	4 53	23 38	0 32	14 34	4 58	24 16	1 10	21 19	1 6	12 50	2 4	4 34	0 34	20 50	0 31	21 2	1 31	16 15	15 52	9 7		n.a.
T 28	23 45	18 45	4 23	23 59	0 42	14 34	5 0	24 12	1 10	21 21	1 6	12 50	2 3	4 34	0 34	20 51	0 31	21 2	1 31	16 18	15 53	9 5		n.a.
W29	23 45	20 5	3 40	24 18	0 52	14 35	5 2	24 8	1 10	21 22	1 6	12 49	2 3	4 34	0 34	20 51	0 31	21 2	1 30	16 20	15 54	9 3		n.a.
T 30	23n45	20s20	2n47	24n34	1n 0	14n38	5s 3	24n 4	1n10	21s24	1s 7	12s49	2n 3	4s34	0n34	20s51	0s31	21s 2	1n30	16n21	15n55	9s 2		n.a.

Julian Day Number = 1553924.5, Delta T = 04h28m54s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'21, Lahiri = -10°17'21 Julian Calendar 1 June 459 BCE == Greg. Calendar 27 May 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

JULY 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 12 28	2♋ 3'37	25♉33	25♊11	26♉26	15♋38	0°R22	9°R12	12♎45	0°R15	12°R 2	15°R34	17♌ 3	12♓31	n.a.	F 1
S 2	18 16 25	3° 1'00	7♒51	27°16	26°44	16°16	0♒16	9♏11	12°45	0♒14	12♐ 0	15♌32	16°59	12°37	n.a.	S 2
S 3	18 20 21	3°58'24	19°55	29°21	27° 4	16°54	0° 9	9° 9	12°45	0°13	11°59	15°D32	16°56	12°44	n.a.	S 3
M 4	18 24 18	4°55'49	1♓51	1♋26	27°26	17°32	0° 3	9° 7	12°45	0°11	11°58	15°33	16°53	12°51	n.a.	M 4
T 5	18 28 14	5°53'16	13°41	3°30	27°50	18°10	29♉57	9° 6	12°46	0°10	11°56	15°34	16°50	12°57	n.a.	T 5
W 6	18 32 11	6°50'44	25°30	5°35	28°15	18°48	29°50	9° 5	12°46	0° 8	11°55	15°36	16°47	13° 4	n.a.	W 6
T 7	18 36 7	7°48'13	7♈24	7°38	28°42	19°26	29°43	9° 3	12°47	0° 7	11°54	15°R36	16°44	13°11	n.a.	T 7
F 8	18 40 4	8°45'44	19°27	9°41	29°11	20° 4	29°37	9° 2	12°47	0° 5	11°52	15°36	16°40	13°17	n.a.	F 8
S 9	18 44 0	9°43'17	1♉44	11°43	29°41	20°42	29°30	9° 1	12°48	0° 4	11°51	15°34	16°37	13°24	n.a.	S 9
S 10	18 47 57	10°40'51	14°20	13°44	0♊13	21°20	29°23	9° 0	12°48	0° 2	11°50	15°30	16°34	13°31	n.a.	S 10
M11	18 51 53	11°38'27	27°17	15°43	0°45	21°59	29°16	8°59	12°49	0° 1	11°49	15°25	16°31	13°37	n.a.	M11
T 12	18 55 50	12°36'04	10♊37	17°42	1°20	22°37	29° 8	8°58	12°50	29♉59	11°47	15°20	16°28	13°44	n.a.	T 12
W13	18 59 47	13°33'43	24°20	19°39	1°55	23°15	29° 1	8°58	12°51	29°58	11°46	15°15	16°24	13°51	n.a.	W13
T 14	19 3 43	14°31'23	8♋24	21°34	2°32	23°53	28°54	8°57	12°51	29°56	11°45	15°11	16°21	13°57	n.a.	T 14
F 15	19 7 40	15°29'05	22°44	23°29	3°10	24°31	28°46	8°56	12°52	29°55	11°44	15° 8	16°18	14° 4	n.a.	F 15
S 16	19 11 36	16°26'48	7♌16	25°21	3°49	25° 9	28°39	8°56	12°53	29°53	11°43	15° 7	16°15	14°11	n.a.	S 16
S 17	19 15 33	17°24'33	21°52	27°13	4°29	25°48	28°31	8°56	12°54	29°51	11°42	15°D 7	16°12	14°17	n.a.	S 17
M18	19 19 29	18°22'19	6♍28	29° 3	5°10	26°26	28°23	8°55	12°55	29°50	11°40	15° 8	16° 9	14°24	n.a.	M18
T 19	19 23 26	19°20'06	20°58	0♌52	5°52	27° 4	28°16	8°55	12°56	29°48	11°39	15° 9	16° 5	14°31	n.a.	T 19
W20	19 27 23	20°17'54	5♎18	2°39	6°36	27°42	28° 8	8°D55	12°58	29°47	11°38	15°10	16° 2	14°37	n.a.	W20
T 21	19 31 19	21°15'44	19°26	4°25	7°20	28°21	28° 0	8°55	12°59	29°45	11°37	15°R11	15°59	14°44	n.a.	T 21
F 22	19 35 16	22°13'35	3♏20	6°10	8° 5	28°59	27°52	8°55	13° 0	29°43	11°36	15°11	15°56	14°51	n.a.	F 22
S 23	19 39 12	23°11'27	17° 0	7°53	8°51	29°37	27°45	8°56	13° 1	29°42	11°35	15° 9	15°53	14°57	n.a.	S 23
S 24	19 43 9	24° 9'21	0♐25	9°35	9°37	0♌16	27°37	8°56	13° 3	29°40	11°34	15° 7	15°49	15° 4	n.a.	S 24
M25	19 47 5	25° 7'16	13°36	11°15	10°25	0°54	27°29	8°56	13° 4	29°38	11°33	15° 4	15°46	15°11	n.a.	M25
T 26	19 51 2	26° 5'13	26°33	12°54	11°13	1°33	27°21	8°57	13° 6	29°37	11°32	15° 1	15°43	15°17	n.a.	T 26
W27	19 54 58	27° 3'11	9♑16	14°32	12° 2	2°11	27°13	8°58	13° 7	29°35	11°31	14°59	15°40	15°24	n.a.	W27
T 28	19 58 55	28° 1'11	21°46	16° 9	12°52	2°49	27° 5	8°58	13° 9	29°33	11°30	14°57	15°37	15°31	n.a.	T 28
F 29	20 2 52	28°59'13	4♒ 4	17°44	13°43	3°28	26°57	8°59	13°10	29°32	11°29	14°56	15°34	15°37	n.a.	F 29
S 30	20 6 48	29°57'16	16°12	19°18	14°34	4° 6	26°49	9° 0	13°12	29°30	11°29	14°D55	15°30	15°44	n.a.	S 30
S 31	20 10 45	0♌55'22	28♒10	20♌51	15♊26	4♌45	26♉42	9♏ 1	13♎14	29♉29	11♐28	14♌56	15♌27	15♓51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n44	19s34	1n46	24n48	1n 9	14n40	5s 4	23n59	1n10	21s25	1s 7	12s49	2n 3	4s35	0n34	20s52	0s31	21s 2	1n30	16n23	15n56	9s 0		n.a.
S 2	23 43	17 52	0 42	24 59	1 16	14 44	5 5	23 55	1 10	21 27	1 7	12 48	2 3	4 35	0 34	20 52	0 31	21 2	1 30	16 23	15 57	8 58		n.a.
S 3	23 41	15 24	0s24	25 7	1 22	14 48	5 5	23 50	1 10	21 28	1 7	12 48	2 2	4 35	0 34	20 52	0 31	21 2	1 30	16 23	15 58	8 56		n.a.
M 4	23 39	12 19	1 28	25 13	1 28	14 53	5 5	23 45	1 10	21 30	1 8	12 48	2 2	4 35	0 34	20 53	0 31	21 2	1 30	16 23	15 59	8 54		n.a.
T 5	23 37	8 46	2 27	25 15	1 33	14 59	5 5	23 40	1 10	21 32	1 8	12 47	2 2	4 35	0 34	20 53	0 31	21 2	1 30	16 22	16 0	8 52		n.a.
W 6	23 34	4 52	3 21	25 15	1 37	15 5	5 4	23 34	1 10	21 33	1 8	12 47	2 2	4 35	0 34	20 53	0 31	21 2	1 30	16 22	16 1	8 50		n.a.
T 7	23 31	0 47	4 6	25 12	1 41	15 11	5 4	23 29	1 10	21 35	1 8	12 47	2 1	4 36	0 34	20 54	0 31	21 2	1 30	16 22	16 2	8 49		n.a.
F 8	23 27	3n23	4 40	25 7	1 44	15 19	5 3	23 23	1 10	21 37	1 8	12 47	2 1	4 36	0 34	20 54	0 31	21 2	1 29	16 22	16 3	8 47		n.a.
S 9	23 23	7 30	5 3	24 59	1 46	15 26	5 1	23 17	1 10	21 38	1 9	12 47	2 1	4 36	0 34	20 54	0 31	21 2	1 29	16 23	16 3	8 45		n.a.
S 10	23 19	11 23	5 12	24 48	1 47	15 34	5 0	23 11	1 10	21 40	1 9	12 47	2 1	4 36	0 34	20 55	0 31	21 2	1 29	16 24	16 4	8 43		n.a.
M11	23 14	14 51	5 5	24 36	1 48	15 43	4 58	23 5	1 10	21 42	1 9	12 47	2 0	4 37	0 34	20 55	0 31	21 1	1 29	16 25	16 5	8 41		n.a.
T 12	23 9	17 40	4 42	24 21	1 48	15 52	4 56	22 59	1 10	21 43	1 9	12 47	2 0	4 37	0 34	20 55	0 31	21 1	1 29	16 27	16 6	8 39		n.a.
W13	23 3	19 35	4 3	24 4	1 47	16 1	4 54	22 52	1 10	21 45	1 10	12 47	2 0	4 37	0 34	20 56	0 31	21 1	1 29	16 28	16 7	8 37		n.a.
T 14	22 57	20 21	3 8	23 45	1 46	16 10	4 52	22 46	1 10	21 47	1 10	12 47	2 0	4 38	0 33	20 56	0 31	21 1	1 29	16 29	16 8	8 35		n.a.
F 15	22 50	19 50	2 0	23 24	1 45	16 20	4 49	22 39	1 10	21 49	1 10	12 47	2 0	4 38	0 33	20 56	0 31	21 1	1 29	16 30	16 9	8 34		n.a.
S 16	22 43	18 0	0 43	23 1	1 43	16 30	4 46	22 32	1 10	21 50	1 10	12 47	1 59	4 39	0 33	20 57	0 31	21 1	1 28	16 31	16 10	8 32		n.a.
S 17	22 36	14 59	0n37	22 37	1 40	16 40	4 44	22 25	1 10	21 52	1 10	12 47	1 59	4 39	0 33	20 57	0 31	21 1	1 28	16 31	16 11	8 30		n.a.
M18	22 28	11 2	1 55	22 11	1 37	16 50	4 41	22 17	1 10	21 54	1 10	12 47	1 59	4 39	0 33	20 57	0 31	21 1	1 28	16 30	16 12	8 28		n.a.
T 19	22 20	6 27	3 5	21 44	1 33	17 1	4 38	22 10	1 10	21 56	1 11	12 47	1 59	4 40	0 33	20 58	0 31	21 1	1 28	16 30	16 13	8 26		n.a.
W20	22 12	1 34	4 2	21 16	1 29	17 11	4 34	22 2	1 10	21 57	1 11	12 47	1 58	4 40	0 33	20 58	0 31	21 1	1 28	16 30	16 14	8 24		n.a.
T 21	22 3	3s19	4 44	20 46	1 25	17 22	4 31	21 54	1 10	21 59	1 11	12 48	1 58	4 41	0 33	20 58	0 31	21 1	1 28	16 29	16 15	8 22		n.a.
F 22	21 53	7 57	5 8	20 16	1 20	17 32	4 27	21 46	1 10	22 1	1 11	12 48	1 58	4 41	0 33	20 59	0 31	21 1	1 28	16 30	16 16	8 20		n.a.
S 23	21 44	12 6	5 15	19 44	1 15	17 43	4 24	21 38	1 10	22 3	1 11	12 48	1 58	4 42	0 33	20 59	0 31	21 1	1 28	16 30	16 17	8 18		n.a.
S 24	21 34	15 33	5 4	19 12	1 9	17 54	4 20	21 30	1 10	22 4	1 11	12 49	1 57	4 42	0 33	21 0	0 31	21 1	1 27	16 31	16 18	8 16		n.a.
M25	21 23	18 9	4 37	18 39	1 4	18 5	4 16	21 21	1 10	22 6	1 11	12 49	1 57	4 43	0 33	21 0	0 31	21 1	1 27	16 32	16 19	8 15		n.a.
T 26	21 12	19 46	3 56	18 5	0 58	18 15	4 12	21 12	1 10	22 8	1 12	12 49	1 57	4 44	0 33	21 0	0 31	21 1	1 27	16 32	16 20	8 13		n.a.
W27	21 1	20 21	3 5	17 30	0 51	18 26	4 8	21 4	1 10	22 9	1 12	12 50	1 57	4 44	0 33	21 1	0 31	21 1	1 27	16 33	16 21	8 11		n.a.
T 28	20 50	19 55	2 5	16 55	0 45	18 36	4 4	20 55	1 10	22 11	1 12	12 50	1 56	4 45	0 33	21 1	0 31	21 1	1 27	16 34	16 22	8 9		n.a.
F 29	20 38	18 31	1 0	16 19	0 38	18 47	4 0	20 46	1 10	22 13	1 12	12 51	1 56	4 46	0 33	21 1	0 31	21 1	1 27	16 34	16 23	8 7		n.a.
S 30	20 25	16 18	0s 7	15 43	0 31	18 57	3 55	20 36	1 10	22 14	1 12	12 51	1 56	4 46	0 33	21 2	0 31	21 1	1 27	16 34	16 24	8 5		n.a.
S 31	20n13	13s24	1s13	15n 6	0n24	19n 7	3s51	20n27	1n 9	22s16	1s12	12s52	1n56	4s47	0n33	21s 2	0s31	21s 1	1n26	16n34	16n25	8s 3		n.a.

Julian Day Number = 1553954.5, Delta T = 04h28m52s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'17, Lahiri = -10°17'17 Julian Calendar 1 July 459 BCE == Greg. Calendar 26 June 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

AUGUST 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 14 41	1♌53'29	10♓ 3	22♌22	16♊19	5♌23	26°R34	9♏ 2	13♎15	29°R27	11°R27	14♌57	15♌24	15♓57	n.a.	M 1
T 2	20 18 38	2°51'38	21°51	23°52	17°12	6° 2	26♑26	9° 3	13°17	29♑25	11♐26	14°58	15°21	16° 4	n.a.	T 2
W 3	20 22 34	3°49'49	3♈41	25°21	18° 6	6°40	26°18	9° 5	13°19	29°24	11°25	14°59	15°18	16°11	n.a.	W 3
T 4	20 26 31	4°48'03	15°34	26°48	19° 0	7°19	26°10	9° 6	13°21	29°22	11°25	15° 0	15°15	16°17	n.a.	T 4
F 5	20 30 27	5°46'18	27°36	28°15	19°55	7°57	26° 3	9° 7	13°23	29°20	11°24	15° 0	15°11	16°24	n.a.	F 5
S 6	20 34 24	6°44'36	9♉51	29°40	20°51	8°36	25°55	9° 9	13°25	29°19	11°23	15°R 0	15° 8	16°31	n.a.	S 6
S 7	20 38 20	7°42'56	22°25	1♍ 3	21°47	9°15	25°47	9°11	13°27	29°17	11°23	15° 0	15° 5	16°37	n.a.	S 7
M 8	20 42 17	8°41'18	5♊19	2°25	22°44	9°53	25°40	9°12	13°29	29°15	11°22	15° 0	15° 2	16°44	n.a.	M 8
T 9	20 46 14	9°39'42	18°39	3°46	23°41	10°32	25°32	9°14	13°31	29°14	11°21	14°59	14°59	16°51	n.a.	T 9
W10	20 50 10	10°38'09	2♋24	5° 5	24°38	11°10	25°25	9°16	13°33	29°12	11°21	14°58	14°55	16°57	n.a.	W10
T 11	20 54 7	11°36'38	16°35	6°23	25°36	11°49	25°18	9°18	13°35	29°11	11°20	14°58	14°52	17° 4	n.a.	T 11
F 12	20 58 3	12°35'09	1♌ 8	7°39	26°35	12°28	25°10	9°20	13°37	29° 9	11°20	14°58	14°49	17°11	n.a.	F 12
S 13	21 2 0	13°33'42	15°57	8°54	27°34	13° 7	25° 3	9°23	13°40	29° 7	11°19	14°D58	14°46	17°17	n.a.	S 13
S 14	21 5 56	14°32'17	0♍56	10° 7	28°33	13°45	24°56	9°25	13°42	29° 6	11°19	14°R58	14°43	17°24	n.a.	S 14
M15	21 9 53	15°30'54	15°56	11°18	29°33	14°24	24°49	9°27	13°44	29° 4	11°18	14°58	14°40	17°31	n.a.	M15
T 16	21 13 49	16°29'33	0♎49	12°27	0♋33	15° 3	24°43	9°30	13°47	29° 3	11°18	14°58	14°36	17°37	n.a.	T 16
W17	21 17 46	17°28'13	15°27	13°34	1°34	15°42	24°36	9°32	13°49	29° 1	11°17	14°57	14°33	17°44	n.a.	W17
T 18	21 21 43	18°26'56	29°47	14°39	2°35	16°21	24°29	9°35	13°52	29° 0	11°17	14°57	14°30	17°51	n.a.	T 18
F 19	21 25 39	19°25'40	13♏45	15°42	3°36	17° 0	24°23	9°38	13°54	28°58	11°17	14°D57	14°27	17°57	n.a.	F 19
S 20	21 29 36	20°24'26	27°21	16°43	4°37	17°39	24°16	9°41	13°57	28°57	11°16	14°57	14°24	18° 4	n.a.	S 20
S 21	21 33 32	21°23'14	10♐36	17°41	5°39	18°17	24°10	9°44	13°59	28°55	11°16	14°57	14°21	18°11	n.a.	S 21
M22	21 37 29	22°22'03	23°32	18°36	6°42	18°56	24° 4	9°47	14° 2	28°54	11°16	14°58	14°17	18°17	n.a.	M22
T 23	21 41 25	23°20'55	6♑12	19°28	7°44	19°35	23°58	9°50	14° 5	28°52	11°16	14°59	14°14	18°24	n.a.	T 23
W24	21 45 22	24°19'49	18°37	20°17	8°47	20°14	23°52	9°53	14° 7	28°51	11°15	15° 0	14°11	18°31	n.a.	W24
T 25	21 49 18	25°18'44	0♒51	21° 2	9°51	20°53	23°47	9°56	14°10	28°49	11°15	15° 0	14° 8	18°37	n.a.	T 25
F 26	21 53 15	26°17'42	12°56	21°43	10°54	21°32	23°41	10° 0	14°13	28°48	11°15	15°R 1	14° 5	18°44	n.a.	F 26
S 27	21 57 11	27°16'41	24°53	22°21	11°58	22°11	23°36	10° 3	14°16	28°47	11°15	15° 1	14° 1	18°51	n.a.	S 27
S 28	22 1 8	28°15'43	6♓46	22°54	13° 2	22°51	23°31	10° 7	14°19	28°45	11°15	15° 0	13°58	18°57	n.a.	S 28
M29	22 5 5	29°14'46	18°36	23°22	14° 7	23°30	23°26	10°10	14°22	28°44	11°15	14°58	13°55	19° 4	n.a.	M29
T 30	22 9 1	0♍13'52	0♈25	23°45	15°12	24° 9	23°21	10°14	14°24	28°42	11°D15	14°56	13°52	19°11	n.a.	T 30
W31	22 12 58	1♍13'01	12♈15	24♍ 2	16♋17	24♌48	23♑16	10♏18	14♎27	28♑41	11♐15	14♌53	13♌49	19♓17	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	20n 0	9s59	2s15	14n29	0n16	19n17	3s46	20n17	1n 9	22s18	1s12	12s52	1n55	4s48	0n33	21s 2	0s31	21s 1	1n26	16n34	16n26	8s 1			n.a.
T 2	19 46	6 11	3 11	13 52	0 9	19 27	3 42	20 8	1 9	22 19	1 12	12 53	1 55	4 48	0 33	21 3	0 31	21 1	1 26	16 33	16 26	7 59			n.a.
W 3	19 33	2 10	3 59	13 15	0 1	19 36	3 37	19 58	1 9	22 21	1 12	12 54	1 55	4 49	0 33	21 3	0 31	21 1	1 26	16 33	16 27	7 57			n.a.
T 4	19 19	1n57	4 37	12 38	0s 7	19 45	3 33	19 48	1 9	22 23	1 13	12 54	1 55	4 50	0 33	21 4	0 31	21 1	1 26	16 33	16 28	7 55			n.a.
F 5	19 4	6 3	5 3	12 0	0 15	19 54	3 28	19 38	1 9	22 24	1 13	12 55	1 54	4 51	0 33	21 4	0 31	21 1	1 26	16 33	16 29	7 53			n.a.
S 6	18 50	9 57	5 16	11 23	0 23	20 3	3 23	19 27	1 9	22 26	1 13	12 56	1 54	4 52	0 33	21 4	0 31	21 1	1 26	16 33	16 30	7 51			n.a.
S 7	18 35	13 32	5 15	10 45	0 32	20 11	3 18	19 17	1 9	22 27	1 13	12 56	1 54	4 52	0 33	21 5	0 31	21 1	1 26	16 33	16 31	7 50			n.a.
M 8	18 19	16 35	4 58	10 8	0 40	20 20	3 13	19 6	1 9	22 29	1 13	12 57	1 54	4 53	0 33	21 5	0 31	21 1	1 25	16 33	16 32	7 48			n.a.
T 9	18 4	18 52	4 25	9 30	0 48	20 27	3 9	18 55	1 9	22 30	1 13	12 58	1 53	4 54	0 33	21 5	0 31	21 1	1 25	16 33	16 33	7 46			n.a.
W10	17 48	20 8	3 35	8 53	0 57	20 35	3 4	18 45	1 9	22 31	1 13	12 59	1 53	4 55	0 33	21 6	0 31	21 2	1 25	16 33	16 34	7 44			n.a.
T 11	17 31	20 12	2 31	8 16	1 5	20 42	2 59	18 34	1 8	22 33	1 13	13 0	1 53	4 56	0 33	21 6	0 31	21 2	1 25	16 33	16 35	7 42			n.a.
F 12	17 15	18 56	1 16	7 40	1 14	20 49	2 54	18 22	1 8	22 34	1 13	13 1	1 53	4 57	0 32	21 6	0 32	21 2	1 25	16 33	16 36	7 40			n.a.
S 13	16 58	16 21	0n 6	7 4	1 22	20 55	2 49	18 11	1 8	22 36	1 13	13 2	1 52	4 58	0 32	21 7	0 32	21 2	1 25	16 33	16 37	7 38			n.a.
S 14	16 41	12 39	1 28	6 28	1 31	21 1	2 44	18 0	1 8	22 37	1 13	13 3	1 52	4 59	0 32	21 7	0 32	21 2	1 25	16 33	16 38	7 36			n.a.
M15	16 24	8 8	2 44	5 53	1 40	21 6	2 39	17 48	1 8	22 38	1 13	13 4	1 52	5 0	0 32	21 7	0 32	21 2	1 24	16 33	16 39	7 34			n.a.
T 16	16 6	3 9	3 48	5 19	1 48	21 11	2 33	17 37	1 8	22 40	1 13	13 5	1 52	5 1	0 32	21 8	0 32	21 2	1 24	16 33	16 40	7 32			n.a.
W17	15 48	1s55	4 37	4 45	1 57	21 16	2 28	17 25	1 8	22 41	1 13	13 6	1 52	5 2	0 32	21 8	0 32	21 2	1 24	16 33	16 41	7 30			n.a.
T 18	15 30	6 45	5 7	4 12	2 5	21 20	2 23	17 13	1 8	22 42	1 13	13 7	1 51	5 3	0 32	21 8	0 32	21 2	1 24	16 34	16 42	7 28			n.a.
F 19	15 11	11 7	5 18	3 40	2 13	21 24	2 18	17 1	1 7	22 43	1 13	13 8	1 51	5 4	0 32	21 9	0 32	21 2	1 24	16 34	16 43	7 26			n.a.
S 20	14 52	14 47	5 10	3 9	2 21	21 27	2 13	16 49	1 7	22 44	1 13	13 9	1 51	5 5	0 32	21 9	0 32	21 2	1 24	16 34	16 43	7 24			n.a.
S 21	14 33	17 36	4 47	2 39	2 29	21 30	2 8	16 36	1 7	22 45	1 13	13 10	1 51	5 6	0 32	21 9	0 32	21 2	1 24	16 33	16 44	7 22			n.a.
M22	14 14	19 27	4 9	2 10	2 37	21 32	2 3	16 24	1 7	22 46	1 13	13 11	1 50	5 7	0 32	21 10	0 32	21 2	1 23	16 33	16 45	7 20			n.a.
T 23	13 55	20 17	3 19	1 42	2 45	21 34	1 58	16 11	1 7	22 47	1 13	13 13	1 50	5 8	0 32	21 10	0 32	21 3	1 23	16 33	16 46	7 18			n.a.
W24	13 35	20 6	2 21	1 16	2 52	21 35	1 53	15 59	1 7	22 48	1 13	13 14	1 50	5 9	0 32	21 10	0 32	21 3	1 23	16 33	16 47	7 16			n.a.
T 25	13 15	18 58	1 18	0 52	2 59	21 36	1 47	15 46	1 7	22 49	1 13	13 15	1 50	5 10	0 32	21 11	0 32	21 3	1 23	16 33	16 48	7 14			n.a.
F 26	12 55	16 58	0 12	0 29	3 6	21 36	1 42	15 33	1 6	22 50	1 13	13 16	1 49	5 11	0 32	21 11	0 32	21 3	1 23	16 33	16 49	7 12			n.a.
S 27	12 34	14 15	0s54	0 8	3 12	21 35	1 37	15 20	1 6	22 51	1 13	13 18	1 49	5 12	0 32	21 11	0 32	21 3	1 23	16 33	16 50	7 10			n.a.
S 28	12 14	10 58	1 58	0s10	3 18	21 34	1 32	15 7	1 6	22 52	1 13	13 19	1 49	5 13	0 32	21 11	0 32	21 3	1 23	16 33	16 51	7 8			n.a.
M29	11 53	7 15	2 55	0 26	3 23	21 33	1 27	14 54	1 6	22 53	1 13	13 20	1 49	5 14	0 32	21 12	0 32	21 3	1 23	16 33	16 52	7 6			n.a.
T 30	11 32	3 17	3 46	0 39	3 28	21 31	1 22	14 41	1 6	22 54	1 13	13 22	1 49	5 16	0 32	21 12	0 32	21 3	1 22	16 34	16 53	7 4			n.a.
W31	11n11	0n50	4s26	0s50	3s31	21n28	1s17	14n27	1n 6	22s55	1s13	13s23	1n48	5s17	0n32	21s12	0s32	21s 4	1n22	16n35	16n54	7s 2			n.a.

Julian Day Number = 1553985.5, Delta T = 04h28m51s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'13, Lahiri = -10°17'12 Julian Calendar 1 Aug. 459 BCE == Greg. Calendar 27 July 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

SEPTEMBER 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 16 54	2♍12'11	24♈11	24♍13	17♋22	25♌27	23°R11	10♏22	14♎30	28°R40	11♐15	14°R51	13♌46	19♓24	n.a.	T 1
F 2	22 20 51	3°11'24	6♉13	24°R18	18°28	26° 6	23♑ 7	10°25	14°33	28♑38	11°15	14♌48	13°42	19°31	n.a.	F 2
S 3	22 24 47	4°10'40	18°28	24°16	19°33	26°46	23° 3	10°29	14°36	28°37	11°15	14°47	13°39	19°37	n.a.	S 3
S 4	22 28 44	5° 9'58	0♊57	24° 6	20°39	27°25	22°59	10°34	14°40	28°36	11°15	14°D46	13°36	19°44	n.a.	S 4
M 5	22 32 40	6° 9'18	13°46	23°48	21°46	28° 4	22°55	10°38	14°43	28°35	11°15	14°46	13°33	19°51	n.a.	M 5
T 6	22 36 37	7° 8'41	26°58	23°23	22°52	28°44	22°51	10°42	14°46	28°34	11°16	14°47	13°30	19°57	n.a.	T 6
W 7	22 40 34	8° 8'06	10♋35	22°49	23°59	29°23	22°48	10°46	14°49	28°32	11°16	14°48	13°27	20° 4	n.a.	W 7
T 8	22 44 30	9° 7'34	24°40	22° 8	25° 6	0♍ 2	22°45	10°51	14°52	28°31	11°16	14°50	13°23	20°11	n.a.	T 8
F 9	22 48 27	10° 7'04	9♌10	21°19	26°13	0°42	22°41	10°55	14°55	28°30	11°16	14°R51	13°20	20°17	n.a.	F 9
S 10	22 52 23	11° 6'36	24° 3	20°22	27°21	1°21	22°39	11° 0	14°59	28°29	11°17	14°51	13°17	20°24	n.a.	S 10
S 11	22 56 20	12° 6'11	9♍12	19°19	28°28	2° 1	22°36	11° 4	15° 2	28°28	11°17	14°49	13°14	20°31	n.a.	S 11
M12	23 0 16	13° 5'48	24°27	18°11	29°36	2°40	22°33	11° 9	15° 5	28°27	11°17	14°46	13°11	20°37	n.a.	M12
T 13	23 4 13	14° 5'26	9♎38	17° 0	0♌44	3°20	22°31	11°14	15° 9	28°26	11°18	14°42	13° 7	20°44	n.a.	T 13
W14	23 8 9	15° 5'07	24°35	15°46	1°53	3°59	22°29	11°18	15°12	28°25	11°18	14°38	13° 4	20°51	n.a.	W14
T 15	23 12 6	16° 4'50	9♏11	14°33	3° 1	4°39	22°27	11°23	15°15	28°24	11°19	14°34	13° 1	20°57	n.a.	T 15
F 16	23 16 2	17° 4'34	23°21	13°22	4°10	5°18	22°25	11°28	15°19	28°23	11°19	14°30	12°58	21° 4	n.a.	F 16
S 17	23 19 59	18° 4'20	7♐ 3	12°16	5°18	5°58	22°24	11°33	15°22	28°22	11°20	14°28	12°55	21°11	n.a.	S 17
S 18	23 23 56	19° 4'09	20°18	11°17	6°27	6°38	22°22	11°38	15°26	28°21	11°20	14°D28	12°52	21°17	n.a.	S 18
M19	23 27 52	20° 3'59	3♑ 9	10°25	7°36	7°17	22°21	11°44	15°29	28°20	11°21	14°29	12°48	21°24	n.a.	M19
T 20	23 31 49	21° 3'51	15°40	9°43	8°46	7°57	22°20	11°49	15°33	28°19	11°22	14°30	12°45	21°31	n.a.	T 20
W21	23 35 45	22° 3'44	27°55	9°12	9°55	8°37	22°20	11°54	15°36	28°18	11°22	14°32	12°42	21°37	n.a.	W21
T 22	23 39 42	23° 3'40	9♒58	8°52	11° 5	9°16	22°19	11°59	15°40	28°18	11°23	14°R33	12°39	21°44	n.a.	T 22
F 23	23 43 38	24° 3'37	21°53	8°D44	12°15	9°56	22°19	12° 5	15°43	28°17	11°24	14°33	12°36	21°51	n.a.	F 23
S 24	23 47 35	25° 3'36	3♓44	8°46	13°25	10°36	22°D19	12°10	15°47	28°16	11°24	14°31	12°32	21°57	n.a.	S 24
S 25	23 51 31	26° 3'37	15°34	9° 0	14°35	11°16	22°19	12°16	15°50	28°15	11°25	14°27	12°29	22° 4	n.a.	S 25
M26	23 55 28	27° 3'40	27°23	9°24	15°45	11°56	22°19	12°21	15°54	28°15	11°26	14°21	12°26	22°11	n.a.	M26
T 27	23 59 25	28° 3'45	9♈15	9°57	16°55	12°36	22°19	12°27	15°57	28°14	11°27	14°13	12°23	22°17	n.a.	T 27
W28	0 3 21	29° 3'52	21°11	10°40	18° 6	13°16	22°20	12°32	16° 1	28°14	11°28	14° 4	12°20	22°24	n.a.	W28
T 29	0 7 18	0♎ 4'01	3♉13	11°30	19°16	13°56	22°21	12°38	16° 5	28°13	11°28	13°55	12°17	22°31	n.a.	T 29
F 30	0 11 14	1♎ 4'12	15♉22	12♍27	20♌27	14♍36	22♑22	12♏44	16♎ 8	28♑12	11♐29	13♌47	12♌13	22♓37	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n49	4n55	4s55	0s57	3s34	21n25	1s12	14n14	1n 6	22s55	1s13	13s24	1n48	5s18	0n32	21s13	0s32	21s 4	1n22	16n35	16n55	7s 0		n.a.
F 2	10 28	8 52	5 12	1 1	3 37	21 21	1 7	14 0	1 5	22 56	1 13	13 26	1 48	5 19	0 32	21 13	0 32	21 4	1 22	16 36	16 56	6 58		n.a.
S 3	10 6	12 30	5 15	1 1	3 37	21 16	1 2	13 46	1 5	22 57	1 13	13 27	1 48	5 20	0 32	21 13	0 32	21 4	1 22	16 37	16 56	6 56		n.a.
S 4	9 44	15 40	5 3	0 57	3 37	21 11	0 58	13 33	1 5	22 57	1 13	13 29	1 48	5 22	0 32	21 13	0 32	21 4	1 22	16 37	16 57	6 54		n.a.
M 5	9 22	18 11	4 36	0 48	3 36	21 6	0 53	13 19	1 5	22 58	1 12	13 30	1 47	5 23	0 32	21 14	0 32	21 4	1 22	16 37	16 58	6 52		n.a.
T 6	9 0	19 49	3 54	0 35	3 32	21 0	0 48	13 5	1 5	22 58	1 12	13 32	1 47	5 24	0 32	21 14	0 32	21 5	1 21	16 37	16 59	6 50		n.a.
W 7	8 38	20 22	2 58	0 17	3 28	20 53	0 43	12 50	1 4	22 59	1 12	13 33	1 47	5 25	0 32	21 14	0 32	21 5	1 21	16 36	17 0	6 48		n.a.
T 8	8 15	19 41	1 49	0n 5	3 21	20 45	0 39	12 36	1 4	22 59	1 12	13 35	1 47	5 27	0 32	21 14	0 32	21 5	1 21	16 36	17 1	6 46		n.a.
F 9	7 52	17 41	0 31	0 33	3 13	20 37	0 34	12 22	1 4	23 0	1 12	13 37	1 47	5 28	0 32	21 15	0 32	21 5	1 21	16 35	17 2	6 44		n.a.
S 10	7 30	14 28	0n50	1 5	3 2	20 29	0 29	12 8	1 4	23 0	1 12	13 38	1 46	5 29	0 32	21 15	0 32	21 5	1 21	16 36	17 3	6 42		n.a.
S 11	7 7	10 13	2 10	1 41	2 50	20 20	0 25	11 53	1 4	23 1	1 12	13 40	1 46	5 31	0 32	21 15	0 32	21 5	1 21	16 36	17 4	6 40		n.a.
M12	6 43	5 18	3 20	2 21	2 35	20 10	0 20	11 38	1 3	23 1	1 12	13 41	1 46	5 32	0 32	21 15	0 32	21 6	1 21	16 37	17 5	6 38		n.a.
T 13	6 20	0 4	4 17	3 4	2 19	20 0	0 16	11 24	1 3	23 1	1 12	13 43	1 46	5 33	0 32	21 15	0 32	21 6	1 20	16 38	17 6	6 36		n.a.
W14	5 57	5s 6	4 54	3 49	2 2	19 49	0 11	11 9	1 3	23 1	1 12	13 45	1 46	5 35	0 32	21 16	0 32	21 6	1 20	16 39	17 7	6 34		n.a.
T 15	5 34	9 49	5 11	4 35	1 43	19 37	0 7	10 54	1 3	23 2	1 12	13 46	1 45	5 36	0 32	21 16	0 32	21 6	1 20	16 40	17 7	6 32		n.a.
F 16	5 10	13 52	5 9	5 21	1 23	19 25	0 3	10 39	1 3	23 2	1 11	13 48	1 45	5 37	0 32	21 16	0 32	21 6	1 20	16 41	17 8	6 30		n.a.
S 17	4 46	17 1	4 49	6 5	1 2	19 13	0n 2	10 24	1 2	23 2	1 11	13 50	1 45	5 39	0 32	21 16	0 32	21 7	1 20	16 42	17 9	6 28		n.a.
S 18	4 23	19 10	4 14	6 47	0 42	19 0	0 6	10 9	1 2	23 2	1 11	13 52	1 45	5 40	0 32	21 16	0 32	21 7	1 20	16 42	17 10	6 26		n.a.
M19	3 59	20 16	3 27	7 25	0 22	18 46	0 10	9 54	1 2	23 2	1 11	13 53	1 45	5 41	0 32	21 17	0 32	21 7	1 20	16 42	17 11	6 24		n.a.
T 20	3 35	20 19	2 31	7 59	0 2	18 31	0 14	9 39	1 2	23 2	1 11	13 55	1 44	5 43	0 32	21 17	0 32	21 7	1 19	16 42	17 12	6 22		n.a.
W21	3 11	19 23	1 30	8 29	0n17	18 17	0 18	9 24	1 1	23 2	1 11	13 57	1 44	5 44	0 31	21 17	0 32	21 8	1 19	16 41	17 13	6 20		n.a.
T 22	2 47	17 35	0 25	8 52	0 34	18 1	0 22	9 8	1 1	23 2	1 11	13 59	1 44	5 45	0 31	21 17	0 32	21 8	1 19	16 41	17 14	6 18		n.a.
F 23	2 23	15 1	0s40	9 11	0 50	17 45	0 26	8 53	1 1	23 2	1 11	14 1	1 44	5 47	0 31	21 17	0 32	21 8	1 19	16 41	17 15	6 16		n.a.
S 24	1 59	11 51	1 42	9 23	1 5	17 29	0 29	8 37	1 1	23 2	1 11	14 2	1 44	5 48	0 31	21 17	0 32	21 8	1 19	16 41	17 16	6 14		n.a.
S 25	1 35	8 13	2 40	9 30	1 18	17 12	0 33	8 22	1 0	23 2	1 10	14 4	1 44	5 50	0 31	21 18	0 32	21 8	1 19	16 43	17 17	6 12		n.a.
M26	1 11	4 16	3 31	9 31	1 29	16 54	0 37	8 6	1 0	23 2	1 10	14 6	1 43	5 51	0 31	21 18	0 32	21 9	1 19	16 44	17 17	6 10		n.a.
T 27	0 47	0 9	4 13	9 27	1 39	16 36	0 40	7 50	1 0	23 2	1 10	14 8	1 43	5 52	0 31	21 18	0 32	21 9	1 19	16 47	17 18	6 8		n.a.
W28	0 23	3n59	4 44	9 19	1 47	16 18	0 44	7 35	1 0	23 1	1 10	14 10	1 43	5 54	0 31	21 18	0 32	21 9	1 18	16 49	17 19	6 6		n.a.
T 29	0s 2	8 1	5 2	9 6	1 54	15 59	0 47	7 19	0 59	23 1	1 10	14 12	1 43	5 55	0 31	21 18	0 32	21 9	1 18	16 52	17 20	6 3		n.a.
F 30	0s26	11n45	5s 7	8n48	1n59	15n39	0n50	7n 3	0n59	23s 1	1s10	14s14	1n43	5s57	0n31	21s18	0s32	21s10	1n18	16n54	17n21	6s 1		n.a.

Julian Day Number = 1554016.5, Delta T = 04h28m50s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'09, Lahiri = -10°17'08 Julian Calendar 1 Sept. 459 BCE == Greg. Calendar 27 Aug. 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

OCTOBER 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 15 11	2♎ 4'25	27♉40	13♍31	21♌38	15♍16	22♑23	12♏50	16♎12	28°R12	11♐30	13°R40	12♌10	22♓44	n.a.	S 1
S 2	0 19 7	3° 4'40	10♊11	14°40	22°49	15°56	22°25	12°56	16°16	28♑11	11°31	13♌35	12° 7	22°51	n.a.	S 2
M 3	0 23 4	4° 4'58	22°57	15°53	24° 1	16°36	22°27	13° 2	16°19	28°11	11°32	13°32	12° 4	22°58	n.a.	M 3
T 4	0 27 0	5° 5'17	6♋ 2	17°11	25°12	17°16	22°29	13° 8	16°23	28°11	11°33	13°D32	12° 1	23° 4	n.a.	T 4
W 5	0 30 57	6° 5'39	19°29	18°32	26°23	17°56	22°31	13°14	16°27	28°10	11°34	13°32	11°58	23°11	n.a.	W 5
T 6	0 34 53	7° 6'03	3♌20	19°56	27°35	18°36	22°33	13°20	16°30	28°10	11°35	13°33	11°54	23°18	n.a.	T 6
F 7	0 38 50	8° 6'29	17°37	21°22	28°47	19°16	22°35	13°26	16°34	28° 9	11°37	13°R34	11°51	23°24	n.a.	F 7
S 8	0 42 47	9° 6'57	2♍17	22°51	29°58	19°57	22°38	13°32	16°38	28° 9	11°38	13°32	11°48	23°31	n.a.	S 8
S 9	0 46 43	10° 7'27	17°17	24°21	1♍10	20°37	22°41	13°38	16°42	28° 9	11°39	13°28	11°45	23°38	n.a.	S 9
M10	0 50 40	11° 7'59	2♎30	25°52	2°22	21°17	22°44	13°44	16°45	28° 9	11°40	13°22	11°42	23°44	n.a.	M10
T 11	0 54 36	12° 8'32	17°44	27°25	3°35	21°58	22°47	13°51	16°49	28° 8	11°41	13°13	11°38	23°51	n.a.	T 11
W12	0 58 33	13° 9'08	2♏50	28°58	4°47	22°38	22°51	13°57	16°53	28° 8	11°43	13° 4	11°35	23°58	n.a.	W12
T 13	1 2 29	14° 9'44	17°37	0♎32	5°59	23°18	22°55	14° 3	16°57	28° 8	11°44	12°54	11°32	24° 4	n.a.	T 13
F 14	1 6 26	15°10'23	1♐58	2° 6	7°12	23°59	22°58	14°10	17° 0	28° 8	11°45	12°46	11°29	24°11	n.a.	F 14
S 15	1 10 22	16°11'02	15°50	3°41	8°24	24°39	23° 2	14°16	17° 4	28° 8	11°46	12°40	11°26	24°18	n.a.	S 15
S 16	1 14 19	17°11'43	29°11	5°16	9°37	25°20	23° 7	14°23	17° 8	28°D 8	11°48	12°36	11°23	24°24	n.a.	S 16
M17	1 18 16	18°12'26	12♑ 5	6°52	10°49	26° 0	23°11	14°29	17°12	28° 8	11°49	12°34	11°19	24°31	n.a.	M17
T 18	1 22 12	19°13'09	24°36	8°27	12° 2	26°41	23°16	14°36	17°15	28° 8	11°50	12°D34	11°16	24°38	n.a.	T 18
W19	1 26 9	20°13'54	6♒48	10° 3	13°15	27°21	23°21	14°42	17°19	28° 8	11°52	12°R35	11°13	24°44	n.a.	W19
T 20	1 30 5	21°14'40	18°48	11°38	14°28	28° 2	23°26	14°49	17°23	28° 8	11°53	12°35	11°10	24°51	n.a.	T 20
F 21	1 34 2	22°15'27	0♓39	13°14	15°41	28°42	23°31	14°55	17°27	28° 9	11°55	12°33	11° 7	24°58	n.a.	F 21
S 22	1 37 58	23°16'15	12°27	14°49	16°54	29°23	23°36	15° 2	17°30	28° 9	11°56	12°29	11° 3	25° 4	n.a.	S 22
S 23	1 41 55	24°17'04	24°16	16°24	18° 7	0♎ 4	23°42	15° 9	17°34	28° 9	11°58	12°22	11° 0	25°11	n.a.	S 23
M24	1 45 51	25°17'55	6♈ 8	17°59	19°20	0°45	23°47	15°16	17°38	28° 9	11°59	12°12	10°57	25°18	n.a.	M24
T 25	1 49 48	26°18'47	18° 6	19°35	20°34	1°25	23°53	15°22	17°41	28° 9	12° 1	12° 0	10°54	25°24	n.a.	T 25
W26	1 53 45	27°19'40	0♉10	21°10	21°47	2° 6	23°59	15°29	17°45	28°10	12° 2	11°46	10°51	25°31	n.a.	W26
T 27	1 57 41	28°20'34	12°23	22°45	23° 0	2°47	24° 5	15°36	17°49	28°10	12° 4	11°32	10°48	25°38	n.a.	T 27
F 28	2 1 38	29°21'30	24°45	24°19	24°14	3°28	24°12	15°43	17°53	28°11	12° 6	11°18	10°44	25°45	n.a.	F 28
S 29	2 5 34	0♏22'27	7♊16	25°54	25°28	4° 9	24°18	15°49	17°56	28°11	12° 7	11° 7	10°41	25°51	n.a.	S 29
S 30	2 9 31	1°23'25	19°57	27°29	26°41	4°50	24°25	15°56	18° 0	28°11	12° 9	10°58	10°38	25°58	n.a.	S 30
M31	2 13 27	2♏24'25	2♋50	29♎ 3	27♍55	5♎30	24♑32	16♏ 3	18♎ 4	28♑12	12♐10	10♌53	10♌35	26♓ 5	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s50	15n 3	4s59	8n27	2n 3	15n19	0n54	6n47	0n59	23s 0	1s10	14s16	1n43	5s58	0n31	21s18	0s32	21s10	1n18	16n56	17n22	5s59		n.a.
S 2	1 14	17 43	4 35	8 3	2 6	14 59	0 57	6 31	0 59	23 0	1 10	14 18	1 43	6 0	0 31	21 18	0 32	21 10	1 18	16 58	17 23	5 57		n.a.
M 3	1 39	19 36	3 58	7 36	2 8	14 38	1 0	6 15	0 58	23 0	1 9	14 20	1 42	6 1	0 31	21 18	0 32	21 10	1 18	16 58	17 24	5 55		n.a.
T 4	2 3	20 29	3 8	7 6	2 9	14 16	1 3	5 59	0 58	22 59	1 9	14 21	1 42	6 3	0 31	21 19	0 32	21 11	1 18	16 59	17 25	5 53		n.a.
W 5	2 27	20 14	2 6	6 34	2 9	13 54	1 6	5 43	0 58	22 59	1 9	14 23	1 42	6 4	0 31	21 19	0 32	21 11	1 17	16 58	17 26	5 51		n.a.
T 6	2 51	18 47	0 55	6 0	2 8	13 32	1 8	5 27	0 58	22 58	1 9	14 25	1 42	6 5	0 31	21 19	0 32	21 11	1 17	16 58	17 26	5 49		n.a.
F 7	3 15	16 6	0n22	5 24	2 7	13 10	1 11	5 10	0 57	22 58	1 9	14 27	1 42	6 7	0 31	21 19	0 32	21 12	1 17	16 58	17 27	5 47		n.a.
S 8	3 39	12 20	1 39	4 46	2 4	12 46	1 14	4 54	0 57	22 57	1 9	14 29	1 42	6 8	0 31	21 19	0 32	21 12	1 17	16 59	17 28	5 45		n.a.
S 9	4 4	7 42	2 50	4 8	2 2	12 23	1 16	4 38	0 57	22 56	1 9	14 31	1 42	6 10	0 31	21 19	0 32	21 12	1 17	17 0	17 29	5 43		n.a.
M10	4 28	2 31	3 51	3 28	1 58	11 59	1 19	4 22	0 56	22 56	1 9	14 33	1 41	6 11	0 31	21 19	0 32	21 12	1 17	17 1	17 30	5 41		n.a.
T 11	4 52	2s49	4 35	2 47	1 54	11 35	1 21	4 5	0 56	22 55	1 8	14 35	1 41	6 13	0 31	21 19	0 32	21 13	1 17	17 4	17 31	5 39		n.a.
W12	5 15	7 55	5 0	2 6	1 50	11 10	1 23	3 49	0 56	22 54	1 8	14 37	1 41	6 14	0 31	21 19	0 32	21 13	1 17	17 7	17 32	5 37		n.a.
T 13	5 39	12 27	5 3	1 24	1 46	10 45	1 26	3 32	0 55	22 54	1 8	14 39	1 41	6 16	0 31	21 19	0 31	21 13	1 16	17 9	17 33	5 34		n.a.
F 14	6 3	16 8	4 48	0 41	1 41	10 20	1 28	3 16	0 55	22 53	1 8	14 41	1 41	6 17	0 31	21 19	0 31	21 14	1 16	17 12	17 34	5 32		n.a.
S 15	6 27	18 45	4 15	0s 2	1 35	9 55	1 30	2 59	0 55	22 52	1 8	14 44	1 41	6 19	0 31	21 19	0 31	21 14	1 16	17 14	17 35	5 30		n.a.
S 16	6 50	20 15	3 30	0 45	1 30	9 29	1 32	2 43	0 54	22 51	1 8	14 46	1 41	6 20	0 31	21 19	0 31	21 14	1 16	17 15	17 35	5 28		n.a.
M17	7 14	20 37	2 35	1 28	1 24	9 2	1 33	2 26	0 54	22 50	1 8	14 48	1 40	6 21	0 31	21 19	0 31	21 15	1 16	17 15	17 36	5 26		n.a.
T 18	7 37	19 56	1 34	2 12	1 18	8 36	1 35	2 9	0 54	22 49	1 7	14 50	1 40	6 23	0 31	21 19	0 31	21 15	1 16	17 15	17 37	5 24		n.a.
W19	8 0	18 19	0 31	2 55	1 12	8 9	1 37	1 53	0 53	22 48	1 7	14 52	1 40	6 24	0 31	21 19	0 31	21 15	1 16	17 15	17 38	5 22		n.a.
T 20	8 23	15 54	0s33	3 39	1 6	7 42	1 38	1 36	0 53	22 47	1 7	14 54	1 40	6 26	0 31	21 19	0 31	21 16	1 16	17 15	17 39	5 20		n.a.
F 21	8 46	12 51	1 35	4 22	1 0	7 15	1 40	1 19	0 53	22 46	1 7	14 56	1 40	6 27	0 31	21 19	0 31	21 16	1 15	17 16	17 40	5 18		n.a.
S 22	9 9	9 18	2 32	5 6	0 53	6 47	1 41	1 3	0 52	22 45	1 7	14 58	1 40	6 29	0 31	21 19	0 31	21 16	1 15	17 17	17 41	5 16		n.a.
S 23	9 32	5 23	3 22	5 49	0 47	6 19	1 42	0 46	0 52	22 44	1 7	15 0	1 40	6 30	0 31	21 19	0 31	21 16	1 15	17 19	17 42	5 13		n.a.
M24	9 55	1 16	4 4	6 32	0 40	5 51	1 44	0 29	0 52	22 43	1 7	15 2	1 40	6 32	0 31	21 19	0 31	21 17	1 15	17 21	17 42	5 11		n.a.
T 25	10 17	2n57	4 35	7 14	0 34	5 23	1 45	0 13	0 51	22 42	1 7	15 4	1 40	6 33	0 31	21 19	0 31	21 17	1 15	17 25	17 43	5 9		n.a.
W26	10 39	7 5	4 54	7 57	0 27	4 55	1 46	0s 4	0 51	22 41	1 6	15 6	1 40	6 34	0 31	21 19	0 31	21 17	1 15	17 29	17 44	5 7		n.a.
T 27	11 1	10 59	5 0	8 39	0 20	4 26	1 47	0 21	0 51	22 40	1 6	15 8	1 39	6 36	0 31	21 18	0 31	21 18	1 15	17 33	17 45	5 5		n.a.
F 28	11 23	14 28	4 52	9 20	0 14	3 58	1 47	0 38	0 50	22 38	1 6	15 10	1 39	6 37	0 31	21 18	0 31	21 18	1 15	17 37	17 46	5 3		n.a.
S 29	11 45	17 22	4 30	10 1	0 7	3 29	1 48	0 54	0 50	22 37	1 6	15 12	1 39	6 39	0 31	21 18	0 31	21 18	1 14	17 40	17 47	5 1		n.a.
S 30	12 7	19 28	3 54	10 42	0 0	3 0	1 49	1 11	0 49	22 36	1 6	15 14	1 39	6 40	0 31	21 18	0 31	21 19	1 14	17 42	17 48	4 59		n.a.
M31	12s28	20n37	3s 6	11s22	0s 6	2n30	1n49	1s28	0n49	22s34	1s 6	15s17	1n39	6s42	0n31	21s18	0s31	21s19	1n14	17n44	17n49	4s57		n.a.

Julian Day Number = 1554046.5, Delta T = 04h28m49s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'05, Lahiri = -10°17'04 Julian Calendar 1 Oct. 459 BCE == Greg. Calendar 26 Sept. 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

NOVEMBER 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 17 24	3♏25'26	15♋57	0♏38	29♍ 9	6♎11	24♑39	16♏10	18♎ 7	28♑13	12♐12	10°R50	10♌32	26♓11	n.a.	T 1
W 2	2 21 20	4°26'28	29°20	2°12	0♎23	6°52	24°46	16°17	18°11	28°13	12°14	10♌49	10°29	26°18	n.a.	W 2
T 3	2 25 17	5°27'32	13♌ 1	3°47	1°36	7°33	24°53	16°24	18°15	28°14	12°16	10°49	10°25	26°25	n.a.	T 3
F 4	2 29 14	6°28'37	27° 3	5°21	2°50	8°15	25° 1	16°31	18°18	28°14	12°17	10°48	10°22	26°31	n.a.	F 4
S 5	2 33 10	7°29'43	11♍24	6°55	4° 4	8°56	25° 8	16°38	18°22	28°15	12°19	10°46	10°19	26°38	n.a.	S 5
S 6	2 37 7	8°30'50	26° 3	8°30	5°18	9°37	25°16	16°45	18°25	28°16	12°21	10°41	10°16	26°45	n.a.	S 6
M 7	2 41 3	9°31'59	10♎56	10° 4	6°33	10°18	25°24	16°52	18°29	28°16	12°23	10°33	10°13	26°51	n.a.	M 7
T 8	2 45 0	10°33'08	25°55	11°38	7°47	10°59	25°32	16°59	18°33	28°17	12°24	10°22	10° 9	26°58	n.a.	T 8
W 9	2 48 56	11°34'18	10♏50	13°13	9° 1	11°40	25°41	17° 6	18°36	28°18	12°26	10°10	10° 6	27° 5	n.a.	W 9
T 10	2 52 53	12°35'30	25°32	14°48	10°15	12°22	25°49	17°13	18°40	28°19	12°28	9°58	10° 3	27°11	n.a.	T 10
F 11	2 56 49	13°36'41	9♐54	16°22	11°29	13° 3	25°57	17°20	18°43	28°20	12°30	9°47	10° 0	27°18	n.a.	F 11
S 12	3 0 46	14°37'54	23°49	17°57	12°44	13°44	26° 6	17°27	18°47	28°21	12°32	9°38	9°57	27°25	n.a.	S 12
S 13	3 4 43	15°39'07	7♑16	19°32	13°58	14°26	26°15	17°34	18°50	28°22	12°34	9°32	9°54	27°32	n.a.	S 13
M14	3 8 39	16°40'20	20°16	21° 7	15°12	15° 7	26°24	17°41	18°53	28°23	12°36	9°28	9°50	27°38	n.a.	M14
T 15	3 12 36	17°41'33	2♒51	22°42	16°27	15°48	26°33	17°48	18°57	28°24	12°37	9°27	9°47	27°45	n.a.	T 15
W16	3 16 32	18°42'47	15° 6	24°17	17°41	16°30	26°42	17°55	19° 0	28°25	12°39	9°27	9°44	27°52	n.a.	W16
T 17	3 20 29	19°44'01	27° 7	25°52	18°56	17°11	26°52	18° 2	19° 4	28°26	12°41	9°27	9°41	27°58	n.a.	T 17
F 18	3 24 25	20°45'15	8♓59	27°28	20°10	17°53	27° 1	18° 9	19° 7	28°27	12°43	9°26	9°38	28° 5	n.a.	F 18
S 19	3 28 22	21°46'29	20°47	29° 3	21°25	18°34	27°11	18°16	19°10	28°28	12°45	9°22	9°35	28°12	n.a.	S 19
S 20	3 32 18	22°47'43	2♈37	0♐39	22°39	19°16	27°21	18°23	19°14	28°29	12°47	9°16	9°31	28°18	n.a.	S 20
M21	3 36 15	23°48'57	14°32	2°15	23°54	19°57	27°30	18°30	19°17	28°30	12°49	9° 7	9°28	28°25	n.a.	M21
T 22	3 40 12	24°50'12	26°36	3°51	25° 8	20°39	27°40	18°37	19°20	28°31	12°51	8°55	9°25	28°32	n.a.	T 22
W23	3 44 8	25°51'26	8♉50	5°27	26°23	21°21	27°51	18°44	19°23	28°33	12°53	8°42	9°22	28°38	n.a.	W23
T 24	3 48 5	26°52'41	21°16	7° 3	27°37	22° 2	28° 1	18°51	19°27	28°34	12°55	8°28	9°19	28°45	n.a.	T 24
F 25	3 52 1	27°53'56	3♊55	8°39	28°52	22°44	28°11	18°58	19°30	28°35	12°57	8°15	9°15	28°52	n.a.	F 25
S 26	3 55 58	28°55'11	16°44	10°16	0♏ 7	23°26	28°22	19° 5	19°33	28°37	12°59	8° 4	9°12	28°59	n.a.	S 26
S 27	3 59 54	29°56'27	29°45	11°52	1°21	24° 8	28°32	19°12	19°36	28°38	13° 1	7°56	9° 9	29° 5	n.a.	S 27
M28	4 3 51	0♐57'42	12♋57	13°28	2°36	24°50	28°43	19°18	19°39	28°39	13° 3	7°50	9° 6	29°12	n.a.	M28
T 29	4 7 48	1°58'58	26°19	15° 4	3°51	25°31	28°54	19°25	19°42	28°41	13° 5	7°48	9° 3	29°19	n.a.	T 29
W30	4 11 44	3♐ 0'14	9♌51	16♐39	5♏ 6	26♎13	29♑ 5	19♏32	19♎45	28♑42	13♐ 7	7°D47	9♌ 0	29♓25	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s49	20n40	2s 7	12s 2	0s13	2n 1	1n50	1s45	0n49	22s33	1s 6	15s19	1n39	6s43	0n31	21s18	0s31	21s19	1n14	17n45	17n49	4s54		n.a.
W 2	13 10	19 34	1 0	12 42	0 19	1 32	1 50	2 2	0 48	22 32	1 6	15 21	1 39	6 44	0 31	21 18	0 31	21 20	1 14	17 45	17 50	4 52		n.a.
T 3	13 31	17 19	0n12	13 20	0 26	1 2	1 50	2 18	0 48	22 30	1 5	15 23	1 39	6 46	0 31	21 18	0 31	21 20	1 14	17 45	17 51	4 50		n.a.
F 4	13 51	13 59	1 25	13 58	0 32	0 33	1 51	2 35	0 47	22 29	1 5	15 25	1 39	6 47	0 31	21 18	0 31	21 20	1 14	17 45	17 52	4 48		n.a.
S 5	14 11	9 45	2 34	14 36	0 38	0 3	1 51	2 52	0 47	22 27	1 5	15 27	1 39	6 49	0 31	21 17	0 31	21 21	1 14	17 46	17 53	4 46		n.a.
S 6	14 31	4 52	3 35	15 13	0 44	0s27	1 51	3 9	0 47	22 25	1 5	15 29	1 39	6 50	0 31	21 17	0 31	21 21	1 14	17 47	17 54	4 44		n.a.
M 7	14 51	0s23	4 22	15 49	0 50	0 56	1 51	3 25	0 46	22 24	1 5	15 31	1 39	6 51	0 31	21 17	0 31	21 22	1 13	17 49	17 55	4 42		n.a.
T 8	15 11	5 38	4 51	16 25	0 56	1 26	1 51	3 42	0 46	22 22	1 5	15 33	1 38	6 53	0 31	21 17	0 31	21 22	1 13	17 52	17 56	4 40		n.a.
W 9	15 30	10 31	5 0	16 59	1 2	1 56	1 50	3 59	0 45	22 21	1 5	15 35	1 38	6 54	0 31	21 17	0 31	21 22	1 13	17 55	17 56	4 37		n.a.
T 10	15 49	14 43	4 49	17 34	1 8	2 26	1 50	4 15	0 45	22 19	1 5	15 37	1 38	6 55	0 31	21 17	0 31	21 23	1 13	17 59	17 57	4 35		n.a.
F 11	16 8	17 56	4 20	18 7	1 13	2 55	1 50	4 32	0 44	22 17	1 5	15 39	1 38	6 57	0 31	21 16	0 31	21 23	1 13	18 2	17 58	4 33		n.a.
S 12	16 26	20 0	3 36	18 39	1 18	3 25	1 49	4 49	0 44	22 15	1 4	15 41	1 38	6 58	0 31	21 16	0 31	21 23	1 13	18 4	17 59	4 31		n.a.
S 13	16 44	20 52	2 41	19 11	1 24	3 55	1 49	5 5	0 44	22 14	1 4	15 43	1 38	6 59	0 31	21 16	0 31	21 24	1 13	18 6	18 0	4 29		n.a.
M14	17 2	20 33	1 40	19 41	1 28	4 24	1 48	5 22	0 43	22 12	1 4	15 45	1 38	7 1	0 31	21 16	0 31	21 24	1 13	18 7	18 1	4 27		n.a.
T 15	17 20	19 13	0 35	20 11	1 33	4 54	1 47	5 39	0 43	22 10	1 4	15 47	1 38	7 2	0 31	21 16	0 31	21 24	1 12	18 7	18 2	4 24		n.a.
W16	17 37	16 59	0s30	20 40	1 38	5 23	1 46	5 55	0 42	22 8	1 4	15 49	1 38	7 3	0 31	21 15	0 31	21 25	1 12	18 7	18 2	4 22		n.a.
T 17	17 54	14 4	1 32	21 7	1 42	5 53	1 46	6 12	0 42	22 6	1 4	15 51	1 38	7 5	0 31	21 15	0 31	21 25	1 12	18 7	18 3	4 20		n.a.
F 18	18 10	10 37	2 30	21 34	1 46	6 22	1 45	6 28	0 41	22 4	1 4	15 53	1 38	7 6	0 31	21 15	0 31	21 25	1 12	18 7	18 4	4 18		n.a.
S 19	18 27	6 45	3 20	22 0	1 50	6 51	1 44	6 45	0 41	22 2	1 4	15 55	1 38	7 7	0 31	21 15	0 31	21 26	1 12	18 8	18 5	4 16		n.a.
S 20	18 43	2 39	4 2	22 24	1 53	7 20	1 43	7 1	0 40	22 0	1 4	15 57	1 38	7 8	0 31	21 14	0 31	21 26	1 12	18 10	18 6	4 14		n.a.
M21	18 58	1n36	4 34	22 47	1 57	7 49	1 41	7 17	0 40	21 58	1 4	15 59	1 38	7 10	0 31	21 14	0 31	21 26	1 12	18 13	18 7	4 12		n.a.
T 22	19 13	5 49	4 54	23 9	2 0	8 18	1 40	7 34	0 39	21 56	1 4	16 1	1 38	7 11	0 31	21 14	0 31	21 27	1 12	18 16	18 8	4 9		n.a.
W23	19 28	9 53	5 1	23 29	2 2	8 46	1 39	7 50	0 39	21 54	1 3	16 3	1 38	7 12	0 31	21 14	0 31	21 27	1 12	18 19	18 8	4 7		n.a.
T 24	19 43	13 35	4 54	23 49	2 4	9 15	1 38	8 6	0 38	21 52	1 3	16 5	1 38	7 13	0 31	21 13	0 31	21 28	1 12	18 23	18 9	4 5		n.a.
F 25	19 57	16 45	4 32	24 6	2 6	9 43	1 36	8 22	0 38	21 49	1 3	16 7	1 38	7 15	0 31	21 13	0 31	21 28	1 11	18 26	18 10	4 3		n.a.
S 26	20 11	19 10	3 56	24 23	2 8	10 11	1 35	8 38	0 37	21 47	1 3	16 9	1 38	7 16	0 31	21 13	0 31	21 28	1 11	18 29	18 11	4 1		n.a.
S 27	20 24	20 37	3 7	24 37	2 9	10 39	1 33	8 54	0 37	21 45	1 3	16 11	1 38	7 17	0 31	21 13	0 31	21 29	1 11	18 31	18 12	3 59		n.a.
M28	20 37	20 59	2 8	24 51	2 9	11 6	1 32	9 10	0 36	21 43	1 3	16 13	1 38	7 18	0 31	21 12	0 31	21 29	1 11	18 33	18 13	3 56		n.a.
T 29	20 50	20 10	1 1	25 2	2 9	11 33	1 30	9 26	0 36	21 40	1 3	16 15	1 38	7 19	0 31	21 12	0 31	21 29	1 11	18 33	18 14	3 54		n.a.
W30	21s 2	18n11	0n11	25s12	2s 9	12s 0	1n28	9s42	0n35	21s38	1s 3	16s17	1n38	7s20	0n31	21s12	0s31	21s30	1n11	18n34	18n14	3s52		n.a.

Julian Day Number = 1554077.5, Delta T = 04h28m47s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°24'00, Lahiri = -10°17'00 Julian Calendar 1 Nov. 459 BCE == Greg. Calendar 27 Oct. 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 459 BCE
geocentric

DECEMBER 459 BCE (-458) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 15 41	4♐ 1'30	23♌35	18♐14	6♏20	26♎55	29♑16	19♏39	19♎48	28♑44	13♐ 9	7♌48	8♌56	29♓32	n.a.	T 1
F 2	4 19 37	5° 2'46	7♍31	19°49	7°35	27°37	29°27	19°46	19°51	28°45	13°11	7°R48	8°53	29°39	n.a.	F 2
S 3	4 23 34	6° 4'03	21°39	21°22	8°50	28°19	29°38	19°53	19°54	28°47	13°13	7°47	8°50	29°45	n.a.	S 3
S 4	4 27 30	7° 5'19	5♎58	22°55	10° 5	29° 1	29°49	20° 0	19°57	28°48	13°15	7°44	8°47	29°52	n.a.	S 4
M 5	4 31 27	8° 6'35	20°26	24°27	11°19	29°43	0♒ 1	20° 6	19°59	28°50	13°17	7°38	8°44	29°59	n.a.	M 5
T 6	4 35 23	9° 7'52	4♏57	25°57	12°34	0♏25	0°12	20°13	20° 2	28°51	13°19	7°30	8°40	0♈ 5	n.a.	T 6
W 7	4 39 20	10° 9'08	19°26	27°25	13°49	1° 7	0°24	20°20	20° 5	28°53	13°21	7°20	8°37	0°12	n.a.	W 7
T 8	4 43 17	11°10'25	3♐47	28°51	15° 4	1°49	0°35	20°27	20° 8	28°55	13°24	7°10	8°34	0°19	n.a.	T 8
F 9	4 47 13	12°11'40	17°52	0♑14	16°19	2°32	0°47	20°33	20°10	28°56	13°26	7° 1	8°31	0°26	n.a.	F 9
S 10	4 51 10	13°12'56	1♑37	1°34	17°34	3°14	0°59	20°40	20°13	28°58	13°28	6°54	8°28	0°32	n.a.	S 10
S 11	4 55 6	14°14'11	15° 0	2°51	18°49	3°56	1°11	20°47	20°16	29° 0	13°30	6°49	8°25	0°39	n.a.	S 11
M12	4 59 3	15°15'25	27°59	4° 3	20° 3	4°38	1°23	20°53	20°18	29° 2	13°32	6°47	8°21	0°46	n.a.	M12
T 13	5 2 59	16°16'38	10♒36	5° 9	21°18	5°20	1°35	21° 0	20°21	29° 3	13°34	6°D47	8°18	0°52	n.a.	T 13
W14	5 6 56	17°17'51	22°54	6°10	22°33	6° 3	1°48	21° 7	20°23	29° 5	13°36	6°48	8°15	0°59	n.a.	W14
T 15	5 10 52	18°19'02	4♓58	7° 5	23°48	6°45	2° 0	21°13	20°26	29° 7	13°38	6°49	8°12	1° 6	n.a.	T 15
F 16	5 14 49	19°20'13	16°53	7°51	25° 3	7°27	2°12	21°20	20°28	29° 9	13°40	6°R50	8° 9	1°12	n.a.	F 16
S 17	5 18 46	20°21'23	28°43	8°29	26°18	8°10	2°25	21°26	20°30	29°11	13°42	6°49	8° 6	1°19	n.a.	S 17
S 18	5 22 42	21°22'31	10♈34	8°58	27°33	8°52	2°37	21°32	20°33	29°13	13°44	6°47	8° 2	1°26	n.a.	S 18
M19	5 26 39	22°23'39	22°32	9°17	28°48	9°35	2°50	21°39	20°35	29°14	13°46	6°43	7°59	1°32	n.a.	M19
T 20	5 30 35	23°24'45	4♉39	9°R25	0♐ 2	10°17	3° 3	21°45	20°37	29°16	13°48	6°37	7°56	1°39	n.a.	T 20
W21	5 34 32	24°25'51	16°59	9°22	1°17	11° 0	3°15	21°51	20°39	29°18	13°50	6°30	7°53	1°46	n.a.	W21
T 22	5 38 28	25°26'55	29°35	9° 7	2°32	11°42	3°28	21°58	20°41	29°20	13°52	6°22	7°50	1°53	n.a.	T 22
F 23	5 42 25	26°27'59	12♊28	8°40	3°47	12°25	3°41	22° 4	20°43	29°22	13°54	6°14	7°46	1°59	n.a.	F 23
S 24	5 46 22	27°29'01	25°37	8° 3	5° 2	13° 7	3°54	22°10	20°45	29°24	13°56	6° 8	7°43	2° 6	n.a.	S 24
S 25	5 50 18	28°30'03	9♋ 1	7°15	6°17	13°50	4° 7	22°16	20°47	29°26	13°58	6° 3	7°40	2°13	n.a.	S 25
M26	5 54 15	29°31'03	22°38	6°18	7°32	14°33	4°20	22°22	20°49	29°28	14° 0	6° 1	7°37	2°19	n.a.	M26
T 27	5 58 11	0♑32'03	6♌25	5°13	8°46	15°15	4°33	22°28	20°51	29°30	14° 2	6°D 0	7°34	2°26	n.a.	T 27
W28	6 2 8	1°33'01	20°21	4° 4	10° 1	15°58	4°47	22°34	20°53	29°32	14° 4	6° 1	7°31	2°33	n.a.	W28
T 29	6 6 4	2°33'59	4♍23	2°50	11°16	16°41	5° 0	22°40	20°55	29°34	14° 6	6° 2	7°27	2°39	n.a.	T 29
F 30	6 10 1	3°34'55	18°29	1°36	12°31	17°23	5°13	22°46	20°57	29°37	14° 8	6° 4	7°24	2°46	n.a.	F 30
S 31	6 13 57	4♑35'51	2♎38	0♑22	13♐46	18♏ 6	5♒27	22♏52	20♎58	29♑39	14♐10	6°R 4	7♌21	2♈53	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s14	15n 8	1n23	25s20	2s 8	12s27	1n26	9s58	0n35	21s36	1s 3	16s19	1n37	7s21	0n31	21s11	0s31	21s30	1n11	18n33	18n15	3s50			n.a.
F 2	21 25	11 12	2 32	25 27	2 6	12 53	1 25	10 14	0 34	21 33	1 3	16 21	1 37	7 23	0 31	21 11	0 31	21 30	1 11	18 33	18 16	3 48			n.a.
S 3	21 36	6 35	3 32	25 31	2 4	13 19	1 23	10 30	0 33	21 31	1 3	16 22	1 37	7 24	0 31	21 11	0 31	21 31	1 11	18 34	18 17	3 45			n.a.
S 4	21 46	1 34	4 19	25 34	2 1	13 45	1 21	10 45	0 33	21 28	1 3	16 24	1 37	7 25	0 31	21 10	0 31	21 31	1 11	18 34	18 18	3 43			n.a.
M 5	21 57	3s36	4 51	25 35	1 57	14 11	1 19	11 1	0 32	21 26	1 2	16 26	1 37	7 26	0 31	21 10	0 31	21 31	1 10	18 36	18 19	3 41			n.a.
T 6	22 6	8 34	5 4	25 34	1 53	14 36	1 17	11 16	0 32	21 23	1 2	16 28	1 37	7 27	0 31	21 10	0 31	21 32	1 10	18 38	18 20	3 39			n.a.
W 7	22 16	13 2	4 58	25 31	1 47	15 0	1 15	11 32	0 31	21 20	1 2	16 30	1 37	7 28	0 31	21 9	0 31	21 32	1 10	18 41	18 20	3 37			n.a.
T 8	22 24	16 43	4 33	25 26	1 41	15 25	1 13	11 47	0 31	21 18	1 2	16 32	1 37	7 29	0 31	21 9	0 31	21 32	1 10	18 43	18 21	3 35			n.a.
F 9	22 33	19 21	3 51	25 19	1 34	15 49	1 10	12 2	0 30	21 15	1 2	16 33	1 37	7 30	0 31	21 9	0 31	21 33	1 10	18 45	18 22	3 32			n.a.
S 10	22 41	20 47	2 57	25 11	1 26	16 12	1 8	12 17	0 29	21 12	1 2	16 35	1 37	7 31	0 31	21 8	0 31	21 33	1 10	18 47	18 23	3 30			n.a.
S 11	22 48	21 0	1 54	25 0	1 17	16 35	1 6	12 32	0 29	21 10	1 2	16 37	1 37	7 32	0 31	21 8	0 31	21 34	1 10	18 48	18 24	3 28			n.a.
M12	22 55	20 4	0 47	24 49	1 7	16 58	1 4	12 47	0 28	21 7	1 2	16 39	1 37	7 33	0 31	21 8	0 31	21 34	1 10	18 49	18 25	3 26			n.a.
T 13	23 2	18 8	0s21	24 35	0 56	17 20	1 1	13 2	0 28	21 4	1 2	16 40	1 37	7 34	0 32	21 7	0 31	21 34	1 10	18 49	18 25	3 24			n.a.
W14	23 8	15 24	1 26	24 20	0 44	17 42	0 59	13 17	0 27	21 1	1 2	16 42	1 37	7 35	0 32	21 7	0 31	21 35	1 10	18 49	18 26	3 21			n.a.
T 15	23 14	12 4	2 26	24 4	0 31	18 3	0 57	13 32	0 26	20 59	1 2	16 44	1 37	7 36	0 32	21 7	0 31	21 35	1 9	18 49	18 27	3 19			n.a.
F 16	23 19	8 18	3 19	23 47	0 17	18 24	0 54	13 46	0 26	20 56	1 2	16 45	1 38	7 37	0 32	21 6	0 31	21 35	1 9	18 48	18 28	3 17			n.a.
S 17	23 24	4 14	4 4	23 30	0 1	18 44	0 52	14 1	0 25	20 53	1 2	16 47	1 38	7 37	0 32	21 6	0 31	21 36	1 9	18 48	18 29	3 15			n.a.
S 18	23 28	0 0	4 37	23 11	0n15	19 4	0 49	14 15	0 24	20 50	1 2	16 49	1 38	7 38	0 32	21 5	0 31	21 36	1 9	18 49	18 30	3 12			n.a.
M19	23 32	4n15	5 0	22 53	0 32	19 23	0 47	14 30	0 24	20 47	1 2	16 50	1 38	7 39	0 32	21 5	0 31	21 36	1 9	18 50	18 30	3 10			n.a.
T 20	23 35	8 24	5 9	22 34	0 50	19 42	0 44	14 44	0 23	20 44	1 2	16 52	1 38	7 40	0 32	21 5	0 31	21 37	1 9	18 52	18 31	3 8			n.a.
W21	23 38	12 16	5 4	22 16	1 9	20 0	0 42	14 58	0 23	20 41	1 2	16 54	1 38	7 41	0 32	21 4	0 31	21 37	1 9	18 53	18 32	3 6			n.a.
T 22	23 40	15 42	4 44	21 58	1 28	20 18	0 39	15 12	0 22	20 38	1 2	16 55	1 38	7 42	0 32	21 4	0 31	21 37	1 9	18 55	18 33	3 4			n.a.
F 23	23 42	18 27	4 10	21 41	1 47	20 35	0 37	15 26	0 21	20 35	1 2	16 57	1 38	7 42	0 32	21 3	0 31	21 38	1 9	18 57	18 34	3 1			n.a.
S 24	23 43	20 19	3 22	21 25	2 5	20 51	0 34	15 39	0 20	20 31	1 1	16 58	1 38	7 43	0 32	21 3	0 31	21 38	1 9	18 59	18 35	2 59			n.a.
S 25	23 44	21 5	2 22	21 10	2 23	21 7	0 32	15 53	0 20	20 28	1 1	17 0	1 38	7 44	0 32	21 2	0 31	21 38	1 9	19 0	18 35	2 57			n.a.
M26	23 45	20 38	1 12	20 56	2 40	21 22	0 29	16 6	0 19	20 25	1 1	17 2	1 38	7 44	0 32	21 2	0 31	21 39	1 9	19 1	18 36	2 55			n.a.
T 27	23 45	18 57	0n 2	20 44	2 55	21 37	0 27	16 20	0 18	20 22	1 1	17 3	1 38	7 45	0 32	21 2	0 31	21 39	1 8	19 1	18 37	2 53			n.a.
W28	23 44	16 7	1 18	20 33	3 8	21 51	0 24	16 33	0 18	20 19	1 1	17 5	1 38	7 46	0 32	21 1	0 31	21 39	1 8	19 1	18 38	2 50			n.a.
T 29	23 43	12 20	2 29	20 24	3 19	22 4	0 21	16 46	0 17	20 15	1 1	17 6	1 38	7 47	0 32	21 1	0 31	21 40	1 8	19 0	18 39	2 48			n.a.
F 30	23 42	7 51	3 31	20 16	3 28	22 17	0 19	16 59	0 16	20 12	1 1	17 7	1 38	7 47	0 32	21 0	0 31	21 40	1 8	19 0	18 39	2 46			n.a.
S 31	23s40	2n56	4n21	20s10	3n35	22s29	0n16	17s12	0n16	20s 9	1s 1	17s 9	1n38	7s48	0n32	21s 0	0s31	21s40	1n 8	19n 0	18n40	2s44			n.a.

Julian Day Number = 1554107.5, Delta T = 04h28m46s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'56, Lahiri = -10°16'56 Julian Calendar 1 Dec. 459 BCE == Greg. Calendar 26 Nov. 459 BCE

The year -458 astronomical counting style corresponds to year 459 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

JANUARY 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 17 54	5♉36'45	16♎48	29°R11	15♐ 1	18♏49	5♒40	22♏58	21♎ 0	29♉41	14♐12	6°R 4	7♌18	3♈ 0	n.a.	S 1
M 2	6 21 51	6°37'39	0♏57	28♐ 5	16°16	19°32	5°54	23° 3	21° 1	29°43	14°14	6♌ 2	7°15	3° 6	n.a.	M 2
T 3	6 25 47	7°38'32	15° 3	27° 5	17°30	20°15	6° 7	23° 9	21° 3	29°45	14°16	5°59	7°12	3°13	n.a.	T 3
W 4	6 29 44	8°39'24	29° 2	26°12	18°45	20°58	6°21	23°15	21° 4	29°47	14°18	5°55	7° 8	3°20	n.a.	W 4
T 5	6 33 40	9°40'14	12♐53	25°26	20° 0	21°41	6°34	23°20	21° 6	29°49	14°20	5°51	7° 5	3°26	n.a.	T 5
F 6	6 37 37	10°41'04	26°31	24°49	21°15	22°24	6°48	23°26	21° 7	29°51	14°22	5°47	7° 2	3°33	n.a.	F 6
S 7	6 41 33	11°41'52	9♑54	24°20	22°30	23° 7	7° 2	23°31	21° 9	29°54	14°24	5°44	6°59	3°40	n.a.	S 7
S 8	6 45 30	12°42'38	23° 0	23°59	23°45	23°50	7°16	23°37	21°10	29°56	14°26	5°42	6°56	3°46	n.a.	S 8
M 9	6 49 26	13°43'23	5♒49	23°46	24°59	24°33	7°29	23°42	21°11	29°58	14°27	5°D41	6°52	3°53	n.a.	M 9
T 10	6 53 23	14°44'07	18°21	23°D41	26°14	25°16	7°43	23°47	21°12	0♒ 0	14°29	5°42	6°49	4° 0	n.a.	T 10
W11	6 57 20	15°44'48	0♓38	23°43	27°29	25°59	7°57	23°52	21°13	0° 2	14°31	5°43	6°46	4° 7	n.a.	W11
T 12	7 1 16	16°45'28	12°43	23°52	28°44	26°42	8°11	23°58	21°14	0° 5	14°33	5°45	6°43	4°13	n.a.	T 12
F 13	7 5 13	17°46'06	24°38	24° 8	29°59	27°25	8°25	24° 3	21°15	0° 7	14°35	5°46	6°40	4°20	n.a.	F 13
S 14	7 9 9	18°46'42	6♈30	24°29	1♉13	28° 8	8°39	24° 8	21°16	0° 9	14°37	5°47	6°37	4°27	n.a.	S 14
S 15	7 13 6	19°47'16	18°22	24°56	2°28	28°51	8°53	24°13	21°17	0°11	14°38	5°R48	6°33	4°33	n.a.	S 15
M16	7 17 2	20°47'48	0♉19	25°28	3°43	29°34	9° 7	24°18	21°18	0°14	14°40	5°48	6°30	4°40	n.a.	M16
T 17	7 20 59	21°48'18	12°26	26° 5	4°58	0♐18	9°21	24°22	21°19	0°16	14°42	5°47	6°27	4°47	n.a.	T 17
W18	7 24 55	22°48'47	24°47	26°46	6°12	1° 1	9°35	24°27	21°20	0°18	14°43	5°45	6°24	4°53	n.a.	W18
T 19	7 28 52	23°49'13	7♊26	27°31	7°27	1°44	9°50	24°32	21°20	0°20	14°45	5°43	6°21	5° 0	n.a.	T 19
F 20	7 32 49	24°49'37	20°26	28°20	8°42	2°27	10° 4	24°36	21°21	0°23	14°47	5°42	6°18	5° 7	n.a.	F 20
S 21	7 36 45	25°50'00	3♋47	29°12	9°56	3°11	10°18	24°41	21°22	0°25	14°49	5°40	6°14	5°14	n.a.	S 21
S 22	7 40 42	26°50'20	17°28	0♌ 7	11°11	3°54	10°32	24°45	21°22	0°27	14°50	5°40	6°11	5°20	n.a.	S 22
M23	7 44 38	27°50'39	1♌29	1° 5	12°26	4°37	10°47	24°50	21°23	0°30	14°52	5°D39	6° 8	5°27	n.a.	M23
T 24	7 48 35	28°50'56	15°44	2° 6	13°40	5°21	11° 1	24°54	21°23	0°32	14°53	5°39	6° 5	5°34	n.a.	T 24
W25	7 52 31	29°51'10	0♍ 9	3° 9	14°55	6° 4	11°15	24°58	21°23	0°34	14°55	5°40	6° 2	5°40	n.a.	W25
T 26	7 56 28	0♒51'24	14°39	4°15	16°10	6°48	11°29	25° 2	21°24	0°36	14°57	5°40	5°58	5°47	n.a.	T 26
F 27	8 0 24	1°51'35	29° 8	5°23	17°24	7°31	11°44	25° 6	21°24	0°39	14°58	5°41	5°55	5°54	n.a.	F 27
S 28	8 4 21	2°51'45	13♎32	6°33	18°39	8°15	11°58	25°10	21°24	0°41	15° 0	5°41	5°52	6° 1	n.a.	S 28
S 29	8 8 18	3°51'53	27°48	7°45	19°54	8°58	12°13	25°14	21°24	0°43	15° 1	5°41	5°49	6° 7	n.a.	S 29
M30	8 12 14	4°51'59	11♏52	8°59	21° 8	9°42	12°27	25°18	21°24	0°45	15° 3	5°R41	5°46	6°14	n.a.	M30
T 31	8 16 11	5♒52'04	25♏44	10♉14	22♉23	10♐25	12♒41	25♏22	21°R24	0♒48	15♐ 4	5°D41	5♌43	6♈21	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23s38	2s 8	4n56	20s 6	3n39	22s40	0n14	17s24	0n15	20s 5	1s 1	17s10	1n38	7s48	0n32	20s59	0s31	21s40	1n 8	19n 0	18n41	2s41			n.a.
M 2	23 35	7 5	5 12	20 4	3 40	22 51	0 11	17 37	0 14	20 2	1 1	17 12	1 38	7 49	0 32	20 59	0 31	21 41	1 8	19 0	18 42	2 39			n.a.
T 3	23 32	11 38	5 9	20 3	3 40	23 1	0 8	17 49	0 13	19 58	1 1	17 13	1 38	7 50	0 32	20 59	0 31	21 41	1 8	19 1	18 43	2 37			n.a.
W 4	23 28	15 31	4 48	20 4	3 37	23 10	0 6	18 2	0 13	19 55	1 1	17 15	1 38	7 50	0 32	20 58	0 31	21 41	1 8	19 2	18 44	2 35			n.a.
T 5	23 23	18 30	4 10	20 7	3 33	23 19	0 3	18 14	0 12	19 51	1 1	17 16	1 38	7 51	0 32	20 58	0 31	21 42	1 8	19 3	18 44	2 32			n.a.
F 6	23 19	20 23	3 19	20 12	3 27	23 27	0 1	18 26	0 11	19 48	1 1	17 17	1 38	7 51	0 32	20 57	0 31	21 42	1 8	19 4	18 45	2 30			n.a.
S 7	23 14	21 6	2 17	20 18	3 20	23 34	0s 2	18 37	0 10	19 44	1 1	17 19	1 38	7 52	0 32	20 57	0 31	21 42	1 8	19 5	18 46	2 28			n.a.
S 8	23 8	20 37	1 9	20 25	3 12	23 40	0 5	18 49	0 10	19 41	1 1	17 20	1 38	7 52	0 32	20 56	0 31	21 43	1 7	19 5	18 47	2 26			n.a.
M 9	23 2	19 4	0s 1	20 34	3 3	23 46	0 7	19 0	0 9	19 37	1 1	17 21	1 38	7 52	0 32	20 56	0 31	21 43	1 7	19 6	18 48	2 23			n.a.
T 10	22 55	16 37	1 9	20 43	2 53	23 51	0 10	19 12	0 8	19 34	1 1	17 22	1 39	7 53	0 32	20 55	0 31	21 43	1 7	19 5	18 48	2 21			n.a.
W11	22 48	13 28	2 13	20 54	2 42	23 56	0 12	19 23	0 7	19 30	1 1	17 24	1 39	7 53	0 32	20 55	0 31	21 43	1 7	19 5	18 49	2 19			n.a.
T 12	22 41	9 48	3 10	21 5	2 31	23 59	0 15	19 34	0 6	19 26	1 1	17 25	1 39	7 54	0 32	20 54	0 31	21 44	1 7	19 5	18 50	2 17			n.a.
F 13	22 33	5 48	3 58	21 17	2 20	24 2	0 17	19 45	0 6	19 23	1 1	17 26	1 39	7 54	0 32	20 54	0 31	21 44	1 7	19 4	18 51	2 14			n.a.
S 14	22 25	1 36	4 36	21 29	2 9	24 4	0 20	19 55	0 5	19 19	1 1	17 27	1 39	7 54	0 32	20 53	0 31	21 44	1 7	19 4	18 52	2 12			n.a.
S 15	22 16	2n39	5 2	21 41	1 58	24 5	0 22	20 6	0 4	19 15	1 1	17 28	1 39	7 55	0 32	20 53	0 31	21 45	1 7	19 4	18 52	2 10			n.a.
M16	22 7	6 49	5 15	21 54	1 46	24 6	0 24	20 16	0 3	19 11	1 1	17 29	1 39	7 55	0 32	20 52	0 31	21 45	1 7	19 4	18 53	2 8			n.a.
T 17	21 57	10 47	5 14	22 6	1 35	24 6	0 27	20 26	0 2	19 8	1 1	17 31	1 39	7 55	0 32	20 52	0 31	21 45	1 7	19 4	18 54	2 5			n.a.
W18	21 47	14 22	4 59	22 19	1 24	24 5	0 29	20 36	0 1	19 4	1 1	17 32	1 39	7 56	0 32	20 51	0 31	21 45	1 7	19 5	18 55	2 3			n.a.
T 19	21 37	17 24	4 29	22 31	1 13	24 3	0 31	20 46	0 1	19 0	1 1	17 33	1 39	7 56	0 32	20 51	0 31	21 46	1 7	19 5	18 56	2 1			n.a.
F 20	21 26	19 39	3 45	22 43	1 2	24 1	0 34	20 55	0s 0	18 56	1 1	17 34	1 39	7 56	0 32	20 50	0 31	21 46	1 7	19 5	18 56	1 59			n.a.
S 21	21 15	20 54	2 48	22 54	0 51	23 58	0 36	21 5	0 1	18 52	1 1	17 35	1 39	7 56	0 32	20 50	0 31	21 46	1 6	19 6	18 57	1 56			n.a.
S 22	21 4	20 57	1 39	23 5	0 40	23 54	0 38	21 14	0 2	18 48	1 1	17 36	1 39	7 56	0 32	20 50	0 31	21 46	1 6	19 6	18 58	1 54			n.a.
M23	20 52	19 43	0 23	23 15	0 30	23 50	0 40	21 23	0 3	18 44	1 1	17 37	1 39	7 57	0 32	20 49	0 31	21 47	1 6	19 6	18 59	1 52			n.a.
T 24	20 39	17 13	0n56	23 24	0 20	23 44	0 42	21 32	0 4	18 40	1 1	17 38	1 40	7 57	0 32	20 49	0 31	21 47	1 6	19 6	19 0	1 50			n.a.
W25	20 27	13 37	2 12	23 33	0 10	23 38	0 44	21 40	0 5	18 36	1 1	17 39	1 40	7 57	0 32	20 48	0 31	21 47	1 6	19 6	19 0	1 47			n.a.
T 26	20 14	9 11	3 20	23 40	0 0	23 32	0 47	21 49	0 5	18 32	1 1	17 40	1 40	7 57	0 32	20 48	0 31	21 47	1 6	19 6	19 1	1 45			n.a.
F 27	20 0	4 14	4 15	23 47	0s 9	23 24	0 49	21 57	0 6	18 28	1 1	17 40	1 40	7 57	0 32	20 47	0 31	21 48	1 6	19 6	19 2	1 43			n.a.
S 28	19 46	0s54	4 54	23 53	0 18	23 16	0 50	22 5	0 7	18 24	1 1	17 41	1 40	7 57	0 32	20 47	0 31	21 48	1 6	19 6	19 3	1 40			n.a.
S 29	19 32	5 56	5 14	23 58	0 27	23 7	0 52	22 13	0 8	18 20	1 1	17 42	1 40	7 57	0 32	20 46	0 31	21 48	1 6	19 6	19 4	1 38			n.a.
M30	19 18	10 35	5 16	24 1	0 35	22 57	0 54	22 20	0 9	18 16	1 1	17 43	1 40	7 57	0 33	20 46	0 32	21 48	1 6	19 6	19 4	1 36			n.a.
T 31	19s 3	14s37	4n58	24s 4	0s43	22s47	0s56	22s28	0s10	18s12	1s 2	17s44	1n40	7s57	0n33	20s45	0s32	21s49	1n 6	19n 6	19n 5	1s34			n.a.

Julian Day Number = 1554138.5, Delta T = 04h28m45s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'52, Lahiri = -10°16'52 Julian Calendar 1 Jan. 458 BCE == Greg. Calendar 27 Dec. 459 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

FEBRUARY 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 20 7	6♒52'07	9♐22	11♉32	23♉38	11♐ 9	12♒56	25♏26	21°R24	0♒50	15♐ 5	5♌41	5♌39	6♈27	n.a.	W 1
T 2	8 24 4	7°52'08	22°47	12°51	24°52	11°52	13°10	25°29	21♎24	0°52	15° 7	5°41	5°36	6°34	n.a.	T 2
F 3	8 28 0	8°52'08	5♉58	14°11	26° 7	12°36	13°25	25°33	21°24	0°55	15° 8	5°42	5°33	6°41	n.a.	F 3
S 4	8 31 57	9°52'06	18°56	15°33	27°21	13°20	13°39	25°36	21°24	0°57	15°10	5°42	5°30	6°47	n.a.	S 4
S 5	8 35 53	10°52'02	1♒40	16°56	28°36	14° 3	13°53	25°39	21°24	0°59	15°11	5°R42	5°27	6°54	n.a.	S 5
M 6	8 39 50	11°51'55	14°12	18°21	29°50	14°47	14° 8	25°43	21°23	1° 1	15°12	5°42	5°24	7° 1	n.a.	M 6
T 7	8 43 47	12°51'47	26°33	19°47	1♒ 5	15°30	14°22	25°46	21°23	1° 4	15°14	5°42	5°20	7° 8	n.a.	T 7
W 8	8 47 43	13°51'36	8♓43	21°15	2°20	16°14	14°37	25°49	21°23	1° 6	15°15	5°41	5°17	7°14	n.a.	W 8
T 9	8 51 40	14°51'23	20°44	22°43	3°34	16°58	14°51	25°52	21°22	1° 8	15°16	5°40	5°14	7°21	n.a.	T 9
F 10	8 55 36	15°51'08	2♈38	24°13	4°49	17°42	15° 6	25°55	21°22	1°10	15°17	5°38	5°11	7°28	n.a.	F 10
S 11	8 59 33	16°50'51	14°30	25°45	6° 3	18°25	15°20	25°58	21°21	1°12	15°18	5°37	5° 8	7°34	n.a.	S 11
S 12	9 3 29	17°50'31	26°21	27°17	7°18	19° 9	15°35	26° 0	21°20	1°15	15°20	5°35	5° 4	7°41	n.a.	S 12
M13	9 7 26	18°50'09	8♉18	28°51	8°32	19°53	15°49	26° 3	21°20	1°17	15°21	5°34	5° 1	7°48	n.a.	M13
T 14	9 11 22	19°49'44	20°22	0♒26	9°47	20°37	16° 3	26° 5	21°19	1°19	15°22	5°D34	4°58	7°55	n.a.	T 14
W15	9 15 19	20°49'17	2♊41	2° 3	11° 1	21°20	16°18	26° 8	21°18	1°21	15°23	5°34	4°55	8° 1	n.a.	W15
T 16	9 19 15	21°48'48	15°17	3°40	12°15	22° 4	16°32	26°10	21°17	1°23	15°24	5°35	4°52	8° 8	n.a.	T 16
F 17	9 23 12	22°48'16	28°14	5°19	13°30	22°48	16°47	26°13	21°17	1°26	15°25	5°37	4°49	8°15	n.a.	F 17
S 18	9 27 9	23°47'42	11♋37	7° 0	14°44	23°32	17° 1	26°15	21°16	1°28	15°26	5°38	4°45	8°21	n.a.	S 18
S 19	9 31 5	24°47'06	25°25	8°41	15°59	24°16	17°15	26°17	21°15	1°30	15°27	5°39	4°42	8°28	n.a.	S 19
M20	9 35 2	25°46'27	9♌37	10°24	17°13	24°59	17°30	26°19	21°14	1°32	15°28	5°R39	4°39	8°35	n.a.	M20
T 21	9 38 58	26°45'46	24°12	12° 8	18°27	25°43	17°44	26°21	21°13	1°34	15°29	5°38	4°36	8°42	n.a.	T 21
W22	9 42 55	27°45'03	9♍ 1	13°53	19°42	26°27	17°59	26°22	21°11	1°36	15°30	5°37	4°33	8°48	n.a.	W22
T 23	9 46 51	28°44'17	23°58	15°40	20°56	27°11	18°13	26°24	21°10	1°38	15°31	5°34	4°30	8°55	n.a.	T 23
F 24	9 50 48	29°43'30	8♎55	17°28	22°11	27°55	18°27	26°26	21° 9	1°40	15°31	5°30	4°26	9° 2	n.a.	F 24
S 25	9 54 44	0♓42'40	23°42	19°18	23°25	28°39	18°41	26°27	21° 8	1°42	15°32	5°27	4°23	9° 8	n.a.	S 25
S 26	9 58 41	1°41'49	8♏14	21° 8	24°39	29°23	18°56	26°29	21° 7	1°44	15°33	5°25	4°20	9°15	n.a.	S 26
M27	10 2 38	2°40'56	22°26	23° 1	25°53	0♉ 7	19°10	26°30	21° 5	1°46	15°34	5°23	4°17	9°22	n.a.	M27
T 28	10 6 34	3♓40'01	6♐17	24♒54	27♒ 8	0♉50	19♒24	26♏31	21♎ 4	1♒48	15♐35	5°D23	4♌14	9♈28	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s48	17s47	4n24	24s 5	0s51	22s36	0s58	22s35	0s11	18s 8	1s 2	17s45	1n40	7s57	0n33	20s45	0s32	21s49	1n 6	19n 6	19n 6	1s31		n.a.
T 2	18 32	19 57	3 36	24 5	0 58	22 25	1 0	22 42	0 12	18 4	1 2	17 45	1 40	7 57	0 33	20 44	0 32	21 49	1 6	19 6	19 7	1 29		n.a.
F 3	18 16	20 59	2 38	24 4	1 6	22 12	1 1	22 49	0 13	18 0	1 2	17 46	1 40	7 57	0 33	20 44	0 32	21 49	1 6	19 6	19 8	1 27		n.a.
S 4	18 0	20 53	1 32	24 2	1 12	21 59	1 3	22 55	0 14	17 56	1 2	17 47	1 41	7 57	0 33	20 43	0 32	21 50	1 6	19 5	19 8	1 25		n.a.
S 5	17 44	19 41	0 22	23 58	1 19	21 46	1 5	23 2	0 15	17 51	1 2	17 48	1 41	7 57	0 33	20 43	0 32	21 50	1 5	19 5	19 9	1 22		n.a.
M 6	17 27	17 32	0s47	23 53	1 25	21 31	1 6	23 8	0 16	17 47	1 2	17 48	1 41	7 57	0 33	20 42	0 32	21 50	1 5	19 5	19 10	1 20		n.a.
T 7	17 10	14 36	1 53	23 46	1 31	21 16	1 8	23 14	0 17	17 43	1 2	17 49	1 41	7 56	0 33	20 42	0 32	21 50	1 5	19 6	19 11	1 18		n.a.
W 8	16 53	11 4	2 53	23 38	1 36	21 1	1 9	23 19	0 18	17 39	1 2	17 50	1 41	7 56	0 33	20 41	0 32	21 50	1 5	19 6	19 12	1 15		n.a.
T 9	16 35	7 9	3 44	23 28	1 41	20 45	1 10	23 25	0 19	17 34	1 2	17 50	1 41	7 56	0 33	20 41	0 32	21 51	1 5	19 6	19 12	1 13		n.a.
F 10	16 17	2 59	4 26	23 17	1 46	20 28	1 12	23 30	0 20	17 30	1 2	17 51	1 41	7 56	0 33	20 40	0 32	21 51	1 5	19 6	19 13	1 11		n.a.
S 11	15 59	1n15	4 55	23 4	1 50	20 11	1 13	23 35	0 21	17 26	1 2	17 51	1 41	7 56	0 33	20 40	0 32	21 51	1 5	19 7	19 14	1 9		n.a.
S 12	15 41	5 27	5 12	22 50	1 54	19 53	1 14	23 39	0 22	17 22	1 2	17 52	1 41	7 55	0 33	20 39	0 32	21 51	1 5	19 7	19 15	1 6		n.a.
M13	15 22	9 28	5 16	22 34	1 58	19 34	1 15	23 44	0 23	17 17	1 2	17 52	1 42	7 55	0 33	20 39	0 32	21 51	1 5	19 7	19 15	1 4		n.a.
T 14	15 3	13 9	5 6	22 17	2 1	19 15	1 16	23 48	0 24	17 13	1 2	17 53	1 42	7 55	0 33	20 38	0 32	21 52	1 5	19 7	19 16	1 2		n.a.
W15	14 44	16 22	4 42	21 58	2 3	18 56	1 17	23 52	0 25	17 9	1 2	17 53	1 42	7 54	0 33	20 38	0 32	21 52	1 5	19 7	19 17	0 59		n.a.
T 16	14 25	18 53	4 4	21 37	2 6	18 36	1 18	23 56	0 26	17 4	1 2	17 54	1 42	7 54	0 33	20 37	0 32	21 52	1 5	19 7	19 18	0 57		n.a.
F 17	14 5	20 32	3 12	21 14	2 7	18 15	1 19	24 0	0 27	17 0	1 2	17 54	1 42	7 54	0 33	20 37	0 32	21 52	1 5	19 7	19 19	0 55		n.a.
S 18	13 46	21 6	2 9	20 50	2 9	17 54	1 20	24 3	0 28	16 56	1 3	17 55	1 42	7 53	0 33	20 37	0 32	21 52	1 5	19 6	19 19	0 52		n.a.
S 19	13 26	20 25	0 56	20 24	2 10	17 32	1 21	24 6	0 29	16 51	1 3	17 55	1 42	7 53	0 33	20 36	0 32	21 52	1 5	19 6	19 20	0 50		n.a.
M20	13 6	18 25	0n22	19 57	2 10	17 10	1 22	24 9	0 30	16 47	1 3	17 55	1 42	7 53	0 33	20 36	0 32	21 53	1 4	19 6	19 21	0 48		n.a.
T 21	12 45	15 12	1 40	19 27	2 10	16 48	1 22	24 12	0 31	16 43	1 3	17 56	1 42	7 52	0 33	20 35	0 32	21 53	1 4	19 6	19 22	0 45		n.a.
W22	12 25	10 58	2 54	18 56	2 10	16 25	1 23	24 14	0 32	16 38	1 3	17 56	1 42	7 52	0 33	20 35	0 32	21 53	1 4	19 7	19 22	0 43		n.a.
T 23	12 4	6 1	3 55	18 24	2 9	16 1	1 24	24 16	0 33	16 34	1 3	17 56	1 43	7 51	0 33	20 34	0 32	21 53	1 4	19 7	19 23	0 41		n.a.
F 24	11 43	0 43	4 41	17 49	2 7	15 37	1 24	24 18	0 34	16 29	1 3	17 57	1 43	7 51	0 33	20 34	0 32	21 53	1 4	19 8	19 24	0 39		n.a.
S 25	11 22	4s34	5 7	17 13	2 5	15 13	1 24	24 20	0 35	16 25	1 3	17 57	1 43	7 50	0 33	20 33	0 32	21 53	1 4	19 9	19 25	0 36		n.a.
S 26	11 0	9 29	5 14	16 34	2 3	14 48	1 25	24 21	0 36	16 21	1 3	17 57	1 43	7 50	0 33	20 33	0 32	21 54	1 4	19 10	19 25	0 34		n.a.
M27	10 39	13 47	5 0	15 54	2 0	14 23	1 25	24 22	0 37	16 16	1 3	17 57	1 43	7 49	0 33	20 32	0 32	21 54	1 4	19 10	19 26	0 32		n.a.
T 28	10s17	17s13	4n30	15s13	1s56	13s58	1s25	24s23	0s38	16s12	1s 3	17s57	1n43	7s49	0n33	20s32	0s32	21s54	1n 4	19n10	19n27	0s29		n.a.

Julian Day Number = 1554169.5, Delta T = 04h28m44s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'48, Lahiri = -10°16'47 Julian Calendar 1 Feb. 458 BCE == Greg. Calendar 27 Jan. 458 BCE

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

MARCH 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 10 31	4♓39'04	19♐47	26♒49	28♒22	1♑34	19♒38	26♏32	21°R 2	1♒50	15♐35	5♌23	4♌10	9♈35	n.a.	W 1
T 2	10 14 27	5°38'06	2♑57	28°45	29°36	2°18	19°53	26°33	21♎ 1	1°52	15°36	5°25	4° 7	9°42	n.a.	T 2
F 3	10 18 24	6°37'05	15°49	0♓43	0♓51	3° 2	20° 7	26°34	20°59	1°54	15°37	5°27	4° 4	9°49	n.a.	F 3
S 4	10 22 20	7°36'03	28°27	2°42	2° 5	3°46	20°21	26°35	20°58	1°56	15°37	5°28	4° 1	9°55	n.a.	S 4
S 5	10 26 17	8°34'58	10♒53	4°42	3°19	4°30	20°35	26°36	20°56	1°58	15°38	5°R28	3°58	10° 2	n.a.	S 5
M 6	10 30 13	9°33'52	23° 8	6°43	4°33	5°14	20°49	26°36	20°55	2° 0	15°38	5°26	3°55	10° 9	n.a.	M 6
T 7	10 34 10	10°32'43	5♓16	8°45	5°48	5°58	21° 3	26°37	20°53	2° 2	15°39	5°23	3°51	10°15	n.a.	T 7
W 8	10 38 6	11°31'33	17°17	10°49	7° 2	6°42	21°17	26°37	20°51	2° 4	15°39	5°18	3°48	10°22	n.a.	W 8
T 9	10 42 3	12°30'20	29°13	12°53	8°16	7°26	21°31	26°38	20°50	2° 6	15°40	5°12	3°45	10°29	n.a.	T 9
F 10	10 46 0	13°29'05	11♈ 5	14°58	9°30	8°10	21°45	26°38	20°48	2° 8	15°40	5° 5	3°42	10°36	n.a.	F 10
S 11	10 49 56	14°27'48	22°56	17° 4	10°44	8°54	21°59	26°38	20°46	2° 9	15°41	4°57	3°39	10°42	n.a.	S 11
S 12	10 53 53	15°26'28	4♉48	19°10	11°59	9°38	22°13	26°R38	20°44	2°11	15°41	4°51	3°35	10°49	n.a.	S 12
M13	10 57 49	16°25'07	16°44	21°16	13°13	10°22	22°26	26°38	20°42	2°13	15°41	4°45	3°32	10°56	n.a.	M13
T 14	11 1 46	17°23'43	28°48	23°22	14°27	11° 6	22°40	26°38	20°40	2°15	15°42	4°41	3°29	11° 2	n.a.	T 14
W15	11 5 42	18°22'17	11♊ 4	25°28	15°41	11°50	22°54	26°38	20°38	2°16	15°42	4°40	3°26	11° 9	n.a.	W15
T 16	11 9 39	19°20'48	23°35	27°33	16°55	12°33	23° 8	26°37	20°36	2°18	15°42	4°D39	3°23	11°16	n.a.	T 16
F 17	11 13 35	20°19'18	6♋27	29°37	18° 9	13°17	23°21	26°37	20°34	2°20	15°42	4°40	3°20	11°23	n.a.	F 17
S 18	11 17 32	21°17'45	19°43	1♈40	19°23	14° 1	23°35	26°36	20°32	2°21	15°43	4°42	3°16	11°29	n.a.	S 18
S 19	11 21 29	22°16'09	3♌27	3°41	20°37	14°45	23°48	26°36	20°30	2°23	15°43	4°R42	3°13	11°36	n.a.	S 19
M20	11 25 25	23°14'32	17°39	5°40	21°51	15°29	24° 2	26°35	20°28	2°25	15°43	4°42	3°10	11°43	n.a.	M20
T 21	11 29 22	24°12'52	2♍18	7°37	23° 5	16°13	24°15	26°34	20°26	2°26	15°43	4°39	3° 7	11°49	n.a.	T 21
W22	11 33 18	25°11'10	17°18	9°31	24°19	16°57	24°29	26°33	20°24	2°28	15°43	4°34	3° 4	11°56	n.a.	W22
T 23	11 37 15	26° 9'27	2♎31	11°22	25°33	17°41	24°42	26°32	20°21	2°29	15°43	4°27	3° 1	12° 3	n.a.	T 23
F 24	11 41 11	27° 7'41	17°47	13°11	26°47	18°24	24°55	26°31	20°19	2°31	15°R43	4°20	2°57	12°10	n.a.	F 24
S 25	11 45 8	28° 5'53	2♏55	14°56	28° 1	19° 8	25° 9	26°30	20°17	2°32	15°43	4°12	2°54	12°16	n.a.	S 25
S 26	11 49 4	29° 4'04	17°45	16°37	29°15	19°52	25°22	26°29	20°15	2°34	15°43	4° 5	2°51	12°23	n.a.	S 26
M27	11 53 1	0♈ 2'14	2♐11	18°14	0♈29	20°36	25°35	26°27	20°12	2°35	15°43	4° 0	2°48	12°30	n.a.	M27
T 28	11 56 57	1° 0'22	16°10	19°48	1°43	21°20	25°48	26°26	20°10	2°37	15°43	3°57	2°45	12°36	n.a.	T 28
W29	12 0 54	1°58'28	29°42	21°18	2°57	22° 4	26° 1	26°24	20° 8	2°38	15°43	3°D56	2°41	12°43	n.a.	W29
T 30	12 4 51	2°56'33	12♑48	22°43	4°11	22°47	26°14	26°23	20° 5	2°39	15°42	3°56	2°38	12°50	n.a.	T 30
F 31	12 8 47	3♈54'36	25♑33	24♈ 5	5♈25	23♑31	26♒27	26♏21	20♎ 3	2♒41	15♐42	3♌57	2♌35	12♈57	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	9s56	19s37	3n45	14s29	1s52	13s32	1s25	24s24	0s39	16s 7	1s 3	17s58	1n43	7s48	0n33	20s32	0s32	21s54	1n 4	19n10	19n28	0s27			n.a.
T 2	9 34	20 54	2 49	13 44	1 48	13 5	1 26	24 24	0 41	16 3	1 4	17 58	1 43	7 48	0 33	20 31	0 32	21 54	1 4	19 10	19 29	0 25			n.a.
F 3	9 12	21 3	1 46	12 57	1 42	12 39	1 26	24 25	0 42	15 58	1 4	17 58	1 43	7 47	0 33	20 31	0 32	21 54	1 4	19 9	19 29	0 22			n.a.
S 4	8 50	20 7	0 38	12 9	1 37	12 12	1 26	24 25	0 43	15 54	1 4	17 58	1 44	7 46	0 33	20 30	0 32	21 54	1 4	19 9	19 30	0 20			n.a.
S 5	8 27	18 12	0s30	11 19	1 30	11 45	1 25	24 24	0 44	15 49	1 4	17 58	1 44	7 46	0 33	20 30	0 32	21 55	1 4	19 9	19 31	0 18			n.a.
M 6	8 5	15 28	1 35	10 27	1 24	11 17	1 25	24 24	0 45	15 45	1 4	17 58	1 44	7 45	0 33	20 30	0 32	21 55	1 4	19 9	19 32	0 15			n.a.
T 7	7 43	12 6	2 35	9 34	1 16	10 49	1 25	24 23	0 46	15 41	1 4	17 58	1 44	7 45	0 33	20 29	0 32	21 55	1 4	19 10	19 32	0 13			n.a.
W 8	7 20	8 16	3 28	8 40	1 8	10 21	1 25	24 22	0 47	15 36	1 4	17 58	1 44	7 44	0 33	20 29	0 32	21 55	1 3	19 11	19 33	0 11			n.a.
T 9	6 57	4 9	4 11	7 44	1 0	9 53	1 24	24 21	0 48	15 32	1 4	17 58	1 44	7 43	0 33	20 28	0 32	21 55	1 3	19 13	19 34	0 8			n.a.
F 10	6 34	0n 6	4 43	6 47	0 51	9 24	1 24	24 19	0 50	15 27	1 4	17 58	1 44	7 43	0 33	20 28	0 32	21 55	1 3	19 15	19 35	0 6			n.a.
S 11	6 12	4 21	5 3	5 49	0 42	8 55	1 24	24 17	0 51	15 23	1 4	17 58	1 44	7 42	0 33	20 28	0 32	21 55	1 3	19 16	19 35	0 4			n.a.
S 12	5 49	8 26	5 9	4 50	0 32	8 26	1 23	24 15	0 52	15 18	1 5	17 58	1 44	7 41	0 33	20 27	0 32	21 55	1 3	19 18	19 36	0 1			n.a.
M13	5 26	12 13	5 3	3 50	0 22	7 57	1 22	24 13	0 53	15 14	1 5	17 58	1 45	7 40	0 33	20 27	0 32	21 55	1 3	19 19	19 37	0n 1			n.a.
T 14	5 3	15 33	4 43	2 50	0 11	7 27	1 22	24 11	0 54	15 9	1 5	17 58	1 45	7 40	0 33	20 26	0 32	21 55	1 3	19 20	19 38	0 3			n.a.
W15	4 39	18 16	4 9	1 50	0 1	6 58	1 21	24 8	0 55	15 5	1 5	17 57	1 45	7 39	0 33	20 26	0 32	21 56	1 3	19 21	19 38	0 6			n.a.
T 16	4 16	20 12	3 24	0 50	0n11	6 28	1 20	24 5	0 57	15 0	1 5	17 57	1 45	7 38	0 33	20 26	0 32	21 56	1 3	19 21	19 39	0 8			n.a.
F 17	3 53	21 9	2 27	0n11	0 22	5 58	1 20	24 2	0 58	14 56	1 5	17 57	1 45	7 37	0 33	20 25	0 32	21 56	1 3	19 21	19 40	0 10			n.a.
S 18	3 30	20 58	1 20	1 10	0 33	5 27	1 19	23 59	0 59	14 52	1 5	17 57	1 45	7 37	0 33	20 25	0 32	21 56	1 3	19 20	19 41	0 13			n.a.
S 19	3 6	19 32	0 7	2 9	0 44	4 57	1 18	23 55	1 0	14 47	1 5	17 56	1 45	7 36	0 33	20 25	0 32	21 56	1 3	19 20	19 41	0 15			n.a.
M20	2 43	16 50	1n 9	3 8	0 55	4 27	1 17	23 51	1 1	14 43	1 6	17 56	1 45	7 35	0 33	20 24	0 32	21 56	1 3	19 20	19 42	0 17			n.a.
T 21	2 20	13 1	2 23	4 4	1 6	3 56	1 16	23 47	1 3	14 38	1 6	17 56	1 45	7 34	0 33	20 24	0 32	21 56	1 3	19 21	19 43	0 20			n.a.
W22	1 56	8 16	3 29	5 0	1 17	3 25	1 14	23 43	1 4	14 34	1 6	17 56	1 45	7 33	0 33	20 24	0 33	21 56	1 3	19 22	19 44	0 22			n.a.
T 23	1 33	2 58	4 20	5 54	1 28	2 54	1 13	23 38	1 5	14 30	1 6	17 55	1 46	7 32	0 33	20 23	0 33	21 56	1 2	19 24	19 44	0 24			n.a.
F 24	1 9	2s33	4 54	6 46	1 38	2 24	1 12	23 33	1 6	14 25	1 6	17 55	1 46	7 32	0 33	20 23	0 33	21 56	1 2	19 26	19 45	0 27			n.a.
S 25	0 46	7 51	5 6	7 36	1 47	1 53	1 11	23 28	1 7	14 21	1 6	17 55	1 46	7 31	0 33	20 23	0 33	21 56	1 2	19 27	19 46	0 29			n.a.
S 26	0 23	12 35	4 57	8 24	1 57	1 22	1 9	23 23	1 9	14 16	1 6	17 54	1 46	7 30	0 33	20 22	0 33	21 56	1 2	19 29	19 47	0 31			n.a.
M27	0n 1	16 27	4 30	9 10	2 5	0 50	1 8	23 18	1 10	14 12	1 7	17 54	1 46	7 29	0 33	20 22	0 33	21 56	1 2	19 30	19 47	0 34			n.a.
T 28	0 24	19 15	3 47	9 53	2 13	0 19	1 7	23 12	1 11	14 8	1 7	17 53	1 46	7 28	0 33	20 22	0 33	21 57	1 2	19 31	19 48	0 36			n.a.
W29	0 48	20 52	2 53	10 34	2 20	0n12	1 5	23 6	1 12	14 3	1 7	17 53	1 46	7 27	0 33	20 21	0 33	21 57	1 2	19 31	19 49	0 38			n.a.
T 30	1 11	21 17	1 51	11 13	2 27	0 43	1 4	23 0	1 13	13 59	1 7	17 52	1 46	7 26	0 33	20 21	0 33	21 57	1 2	19 31	19 49	0 41			n.a.
F 31	1n34	20s34	0n45	11n49	2n33	1n14	1s 2	22s54	1s15	13s55	1s 7	17s52	1n46	7s25	0n33	20s21	0s33	21s57	1n 2	19n31	19n50	0n43			n.a.

Julian Day Number = 1554197.5, Delta T = 04h28m43s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'44, Lahiri = -10°16'44 Julian Calendar 1 March 458 BCE == Greg. Calendar 24 Feb. 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

APRIL 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 12 44	4♈52'38	8♒ 1	25♈22	6♈39	24♉15	26♒40	26°R19	20°R 1	2♒42	15°R42	3°R57	2♌32	13♈ 3	n.a.	S 1
S 2	12 16 40	5°50'38	20°15	26°34	7°53	24°59	26°52	26♏17	19♎58	2°43	15♐42	3♌55	2°29	13°10	n.a.	S 2
M 3	12 20 37	6°48'37	2♓19	27°42	9° 7	25°42	27° 5	26°15	19°56	2°44	15°41	3°52	2°26	13°17	n.a.	M 3
T 4	12 24 33	7°46'34	14°17	28°46	10°21	26°26	27°18	26°13	19°53	2°46	15°41	3°45	2°22	13°23	n.a.	T 4
W 5	12 28 30	8°44'29	26°11	29°45	11°35	27° 9	27°30	26°11	19°51	2°47	15°41	3°37	2°19	13°30	n.a.	W 5
T 6	12 32 26	9°42'23	8♈ 3	0♉39	12°48	27°53	27°43	26° 8	19°49	2°48	15°40	3°26	2°16	13°37	n.a.	T 6
F 7	12 36 23	10°40'15	19°54	1°29	14° 2	28°37	27°55	26° 6	19°46	2°49	15°40	3°13	2°13	13°44	n.a.	F 7
S 8	12 40 20	11°38'06	1♉47	2°14	15°16	29°20	28° 8	26° 4	19°44	2°50	15°40	3° 0	2°10	13°50	n.a.	S 8
S 9	12 44 16	12°35'55	13°42	2°54	16°30	0♒ 4	28°20	26° 1	19°41	2°51	15°39	2°49	2° 6	13°57	n.a.	S 9
M10	12 48 13	13°33'42	25°41	3°29	17°44	0°47	28°32	25°59	19°39	2°52	15°39	2°38	2° 3	14° 4	n.a.	M10
T 11	12 52 9	14°31'28	7♊48	3°59	18°58	1°31	28°44	25°56	19°36	2°53	15°38	2°31	2° 0	14°10	n.a.	T 11
W12	12 56 6	15°29'12	20° 5	4°24	20°11	2°14	28°56	25°53	19°34	2°54	15°38	2°26	1°57	14°17	n.a.	W12
T 13	13 0 2	16°26'54	2♋36	4°44	21°25	2°57	29° 8	25°50	19°31	2°55	15°37	2°23	1°54	14°24	n.a.	T 13
F 14	13 3 59	17°24'34	15°24	4°59	22°39	3°41	29°20	25°47	19°29	2°56	15°37	2°D22	1°51	14°31	n.a.	F 14
S 15	13 7 55	18°22'13	28°34	5° 9	23°53	4°24	29°32	25°44	19°26	2°57	15°36	2°R22	1°47	14°37	n.a.	S 15
S 16	13 11 52	19°19'50	12♌10	5°14	25° 6	5° 7	29°44	25°41	19°24	2°58	15°35	2°22	1°44	14°44	n.a.	S 16
M17	13 15 49	20°17'25	26°13	5°R14	26°20	5°50	29°55	25°38	19°21	2°59	15°35	2°20	1°41	14°51	n.a.	M17
T 18	13 19 45	21°14'59	10♍44	5°10	27°34	6°33	0♓ 7	25°35	19°19	3° 0	15°34	2°16	1°38	14°57	n.a.	T 18
W19	13 23 42	22°12'31	25°38	5° 1	28°48	7°16	0°18	25°32	19°16	3° 0	15°33	2°10	1°35	15° 4	n.a.	W19
T 20	13 27 38	23°10'02	10♎51	4°48	0♉ 1	7°59	0°30	25°29	19°14	3° 1	15°32	2° 1	1°32	15°11	n.a.	T 20
F 21	13 31 35	24° 7'31	26°10	4°31	1°15	8°43	0°41	25°25	19°11	3° 2	15°32	1°51	1°28	15°18	n.a.	F 21
S 22	13 35 31	25° 4'59	11♏26	4°10	2°29	9°25	0°52	25°22	19° 9	3° 2	15°31	1°40	1°25	15°24	n.a.	S 22
S 23	13 39 28	26° 2'26	26°26	3°45	3°42	10° 8	1° 3	25°18	19° 6	3° 3	15°30	1°30	1°22	15°31	n.a.	S 23
M24	13 43 24	26°59'52	11♐ 3	3°18	4°56	10°51	1°14	25°15	19° 4	3° 4	15°29	1°23	1°19	15°38	n.a.	M24
T 25	13 47 21	27°57'17	25°12	2°49	6°10	11°34	1°25	25°11	19° 1	3° 4	15°28	1°18	1°16	15°45	n.a.	T 25
W26	13 51 17	28°54'42	8♑50	2°17	7°23	12°17	1°36	25° 8	18°59	3° 5	15°27	1°15	1°12	15°51	n.a.	W26
T 27	13 55 14	29°52'05	22° 1	1°44	8°37	13° 0	1°47	25° 4	18°56	3° 5	15°27	1°14	1° 9	15°58	n.a.	T 27
F 28	13 59 11	0♒49'28	4♒46	1°11	9°50	13°42	1°57	25° 0	18°54	3° 6	15°26	1°14	1° 6	16° 5	n.a.	F 28
S 29	14 3 7	1°46'50	17°12	0°37	11° 4	14°25	2° 8	24°56	18°51	3° 6	15°25	1°14	1° 3	16°11	n.a.	S 29
S 30	14 7 4	2♒44'11	29♒22	0♉ 4	12♉18	15♒ 7	2♓18	24♏52	18♎49	3♒ 7	15♐24	1♌12	1♌ 0	16♈18	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1n58	18s51	0s22	12n22	2n37	1n45	1s 0	22s47	1s16	13s51	1s 7	17s51	1n46	7s24	0n33	20s21	0s33	21s57	1n 2	19n31	19n51	0n45		n.a.
S 2	2 21	16 17	1 26	12 53	2 42	2 16	0 59	22 41	1 17	13 46	1 8	17 51	1 46	7 24	0 33	20 20	0 33	21 57	1 2	19 31	19 52	0 48		n.a.
M 3	2 44	13 2	2 25	13 21	2 45	2 47	0 57	22 34	1 18	13 42	1 8	17 50	1 47	7 23	0 33	20 20	0 33	21 57	1 2	19 32	19 52	0 50		n.a.
T 4	3 7	9 18	3 17	13 46	2 47	3 18	0 55	22 27	1 20	13 38	1 8	17 50	1 47	7 22	0 33	20 20	0 33	21 57	1 2	19 34	19 53	0 53		n.a.
W 5	3 31	5 13	4 1	14 9	2 48	3 49	0 53	22 19	1 21	13 33	1 8	17 49	1 47	7 21	0 33	20 19	0 33	21 57	1 2	19 36	19 54	0 55		n.a.
T 6	3 54	0 57	4 33	14 29	2 49	4 20	0 52	22 12	1 22	13 29	1 8	17 49	1 47	7 20	0 33	20 19	0 33	21 57	1 2	19 38	19 55	0 57		n.a.
F 7	4 17	3n21	4 54	14 46	2 48	4 51	0 50	22 4	1 23	13 25	1 8	17 48	1 47	7 19	0 33	20 19	0 33	21 57	1 1	19 41	19 55	1 0		n.a.
S 8	4 40	7 32	5 2	15 0	2 46	5 21	0 48	21 56	1 25	13 21	1 9	17 47	1 47	7 18	0 33	20 19	0 33	21 57	1 1	19 44	19 56	1 2		n.a.
S 9	5 2	11 27	4 56	15 11	2 44	5 52	0 46	21 48	1 26	13 17	1 9	17 47	1 47	7 17	0 33	20 19	0 33	21 57	1 1	19 47	19 57	1 4		n.a.
M10	5 25	14 56	4 38	15 20	2 40	6 22	0 44	21 40	1 27	13 13	1 9	17 46	1 47	7 16	0 33	20 18	0 33	21 57	1 1	19 49	19 57	1 7		n.a.
T 11	5 48	17 50	4 7	15 26	2 35	6 53	0 42	21 31	1 28	13 9	1 9	17 45	1 47	7 15	0 33	20 18	0 33	21 57	1 1	19 51	19 58	1 9		n.a.
W12	6 10	19 59	3 24	15 29	2 29	7 23	0 40	21 22	1 30	13 4	1 9	17 45	1 47	7 14	0 33	20 18	0 33	21 57	1 1	19 52	19 59	1 11		n.a.
T 13	6 33	21 13	2 31	15 29	2 22	7 53	0 38	21 13	1 31	13 0	1 10	17 44	1 47	7 13	0 33	20 18	0 33	21 57	1 1	19 53	20 0	1 14		n.a.
F 14	6 55	21 23	1 29	15 27	2 14	8 22	0 35	21 4	1 32	12 56	1 10	17 43	1 47	7 12	0 33	20 18	0 33	21 57	1 1	19 53	20 0	1 16		n.a.
S 15	7 18	20 23	0 20	15 22	2 5	8 52	0 33	20 55	1 33	12 52	1 10	17 42	1 47	7 11	0 33	20 17	0 33	21 57	1 1	19 53	20 1	1 19		n.a.
S 16	7 40	18 12	0n52	15 14	1 55	9 21	0 31	20 46	1 35	12 48	1 10	17 42	1 47	7 10	0 33	20 17	0 33	21 57	1 1	19 53	20 2	1 21		n.a.
M17	8 2	14 52	2 3	15 3	1 43	9 51	0 29	20 36	1 36	12 44	1 10	17 41	1 47	7 9	0 33	20 17	0 33	21 57	1 1	19 54	20 3	1 23		n.a.
T 18	8 24	10 32	3 8	14 50	1 31	10 20	0 27	20 27	1 37	12 40	1 10	17 40	1 47	7 8	0 33	20 17	0 33	21 57	1 1	19 55	20 3	1 26		n.a.
W19	8 45	5 27	4 2	14 35	1 18	10 48	0 24	20 17	1 38	12 37	1 11	17 39	1 47	7 7	0 33	20 17	0 33	21 57	1 1	19 56	20 4	1 28		n.a.
T 20	9 7	0s 3	4 41	14 17	1 4	11 17	0 22	20 7	1 40	12 33	1 11	17 38	1 48	7 7	0 33	20 17	0 33	21 57	1 1	19 58	20 5	1 30		n.a.
F 21	9 28	5 35	4 59	13 57	0 49	11 45	0 20	19 56	1 41	12 29	1 11	17 38	1 48	7 6	0 33	20 16	0 33	21 57	1 0	20 0	20 5	1 33		n.a.
S 22	9 50	10 46	4 56	13 35	0 33	12 13	0 17	19 46	1 42	12 25	1 11	17 37	1 48	7 5	0 33	20 16	0 33	21 57	1 0	20 3	20 6	1 35		n.a.
S 23	10 11	15 11	4 33	13 12	0 17	12 41	0 15	19 35	1 43	12 21	1 12	17 36	1 48	7 4	0 33	20 16	0 33	21 57	1 0	20 5	20 7	1 37		n.a.
M24	10 32	18 34	3 52	12 47	0 0	13 8	0 13	19 25	1 45	12 17	1 12	17 35	1 48	7 3	0 33	20 16	0 33	21 57	1 0	20 7	20 8	1 40		n.a.
T 25	10 53	20 42	2 58	12 21	0s17	13 35	0 10	19 14	1 46	12 14	1 12	17 34	1 48	7 2	0 33	20 16	0 33	21 57	1 0	20 8	20 8	1 42		n.a.
W26	11 14	21 32	1 55	11 54	0 34	14 2	0 8	19 3	1 47	12 10	1 12	17 33	1 48	7 1	0 33	20 16	0 34	21 57	1 0	20 8	20 9	1 45		n.a.
T 27	11 34	21 8	0 49	11 26	0 51	14 28	0 6	18 52	1 49	12 6	1 12	17 32	1 48	7 0	0 33	20 16	0 34	21 57	1 0	20 9	20 10	1 47		n.a.
F 28	11 55	19 37	0s19	10 58	1 8	14 54	0 3	18 41	1 50	12 3	1 13	17 31	1 48	6 59	0 33	20 16	0 34	21 57	1 0	20 9	20 10	1 49		n.a.
S 29	12 15	17 12	1 23	10 31	1 25	15 20	0 1	18 29	1 51	11 59	1 13	17 30	1 48	6 58	0 33	20 16	0 34	21 57	1 0	20 9	20 11	1 52		n.a.
S 30	12n35	14s 4	2s23	10n 4	1s41	15n45	0n 2	18s18	1s52	11s55	1s13	17s29	1n48	6s57	0n33	20s16	0s34	21s57	1n 0	20n 9	20n12	1n54		n.a.

Julian Day Number = 1554228.5, Delta T = 04h28m41s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'40, Lahiri = -10°16'39 Julian Calendar 1 Apr. 458 BCE == Greg. Calendar 27 March 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

MAY 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 11 0	3♉41'31	11♓22	29°R31	13♉31	15♒50	2♓28	24°R48	18°R46	3♒ 7	15°R23	1°R 7	0♌57	16♈25	n.a.	M 1
T 2	14 14 57	4°38'51	23°15	29♈ 0	14°45	16°32	2°39	24♏45	18♎44	3° 7	15♐22	1♌ 0	0°53	16°32	n.a.	T 2
W 3	14 18 53	5°36'10	5♈ 6	28°31	15°58	17°14	2°49	24°41	18°42	3° 8	15°21	0°51	0°50	16°38	n.a.	W 3
T 4	14 22 50	6°33'28	16°57	28° 5	17°12	17°57	2°59	24°36	18°39	3° 8	15°20	0°39	0°47	16°45	n.a.	T 4
F 5	14 26 46	7°30'45	28°50	27°41	18°26	18°39	3° 8	24°32	18°37	3° 8	15°19	0°25	0°44	16°52	n.a.	F 5
S 6	14 30 43	8°28'01	10♉46	27°21	19°39	19°21	3°18	24°28	18°35	3° 8	15°17	0°12	0°41	16°58	n.a.	S 6
S 7	14 34 40	9°25'17	22°48	27° 4	20°53	20° 3	3°28	24°24	18°32	3° 9	15°16	29♋59	0°38	17° 5	n.a.	S 7
M 8	14 38 36	10°22'32	4♊56	26°52	22° 6	20°45	3°37	24°20	18°30	3° 9	15°15	29°47	0°34	17°12	n.a.	M 8
T 9	14 42 33	11°19'46	17°11	26°43	23°20	21°27	3°47	24°16	18°28	3° 9	15°14	29°39	0°31	17°19	n.a.	T 9
W10	14 46 29	12°17'00	29°36	26°D39	24°33	22° 8	3°56	24°12	18°26	3° 9	15°13	29°33	0°28	17°25	n.a.	W10
T 11	14 50 26	13°14'12	12♋13	26°39	25°47	22°50	4° 5	24° 7	18°23	3° 9	15°12	29°30	0°25	17°32	n.a.	T 11
F 12	14 54 22	14°11'24	25° 5	26°43	27° 0	23°32	4°14	24° 3	18°21	3°R 9	15°11	29°D29	0°22	17°39	n.a.	F 12
S 13	14 58 19	15° 8'35	8♌15	26°53	28°14	24°13	4°23	23°59	18°19	3° 9	15° 9	29°R29	0°18	17°45	n.a.	S 13
S 14	15 2 16	16° 5'45	21°46	27° 6	29°27	24°55	4°32	23°54	18°17	3° 9	15° 8	29°29	0°15	17°52	n.a.	S 14
M15	15 6 12	17° 2'54	5♍40	27°24	0♊41	25°36	4°40	23°50	18°15	3° 9	15° 7	29°28	0°12	17°59	n.a.	M15
T 16	15 10 9	18° 0'02	19°58	27°47	1°54	26°17	4°49	23°46	18°13	3° 9	15° 6	29°24	0° 9	18° 6	n.a.	T 16
W17	15 14 5	18°57'09	4♎39	28°15	3° 8	26°58	4°57	23°41	18°11	3° 9	15° 4	29°19	0° 6	18°12	n.a.	W17
T 18	15 18 2	19°54'16	19°36	28°46	4°21	27°39	5° 5	23°37	18° 9	3° 9	15° 3	29°11	0° 3	18°19	n.a.	T 18
F 19	15 21 58	20°51'22	4♏43	29°22	5°34	28°20	5°13	23°33	18° 7	3° 8	15° 2	29° 2	29♋59	18°26	n.a.	F 19
S 20	15 25 55	21°48'28	19°50	0♑ 3	6°48	29° 1	5°21	23°28	18° 5	3° 8	15° 0	28°52	29°56	18°33	n.a.	S 20
S 21	15 29 51	22°45'34	4♐46	0°48	8° 1	29°42	5°29	23°24	18° 3	3° 8	14°59	28°43	29°53	18°39	n.a.	S 21
M22	15 33 48	23°42'39	19°22	1°36	9°15	0♓22	5°37	23°19	18° 1	3° 8	14°58	28°36	29°50	18°46	n.a.	M22
T 23	15 37 45	24°39'44	3♑33	2°29	10°28	1° 3	5°44	23°15	17°59	3° 7	14°56	28°31	29°47	18°53	n.a.	T 23
W24	15 41 41	25°36'50	17°16	3°27	11°41	1°43	5°52	23°11	17°57	3° 7	14°55	28°29	29°43	18°59	n.a.	W24
T 25	15 45 38	26°33'55	0♒31	4°28	12°55	2°23	5°59	23° 6	17°55	3° 7	14°54	28°D28	29°40	19° 6	n.a.	T 25
F 26	15 49 34	27°31'00	13°21	5°33	14° 8	3° 3	6° 6	23° 2	17°54	3° 6	14°52	28°29	29°37	19°13	n.a.	F 26
S 27	15 53 31	28°28'06	25°49	6°41	15°22	3°43	6°13	22°57	17°52	3° 6	14°51	28°R30	29°34	19°20	n.a.	S 27
S 28	15 57 27	29°25'11	8♓ 1	7°54	16°35	4°23	6°20	22°53	17°50	3° 5	14°49	28°29	29°31	19°26	n.a.	S 28
M29	16 1 24	0♊22'17	20° 1	9°11	17°48	5° 3	6°27	22°49	17°49	3° 5	14°48	28°27	29°28	19°33	n.a.	M29
T 30	16 5 20	1°19'23	1♈54	10°31	19° 2	5°43	6°33	22°44	17°47	3° 4	14°47	28°23	29°24	19°40	n.a.	T 30
W31	16 9 17	2♊16'29	13♈45	11♉55	20♊15	6♓22	6♓39	22♏40	17♎46	3♒ 4	14♐45	28♋17	29♋21	19♈46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	12n55	10s24	3s15	9n37	1s57	16n10	0n 4	18s 6	1s54	11s52	1s13	17s28	1n48	6s56	0n33	20s16	0s34	21s57	1n 0	20n10	20n12	1n57			n.a.
T 2	13 14	6 21	3 58	9 12	2 12	16 34	0 6	17 54	1 55	11 48	1 14	17 27	1 48	6 55	0 33	20 15	0 34	21 57	1 0	20 12	20 13	1 59			n.a.
W 3	13 34	2 5	4 31	8 49	2 26	16 58	0 9	17 43	1 56	11 45	1 14	17 27	1 48	6 54	0 33	20 15	0 34	21 57	1 0	20 14	20 14	2 1			n.a.
T 4	13 53	2n16	4 51	8 27	2 40	17 22	0 11	17 31	1 57	11 42	1 14	17 26	1 48	6 54	0 33	20 15	0 34	21 57	1 0	20 16	20 15	2 4			n.a.
F 5	14 12	6 32	5 0	8 7	2 52	17 45	0 14	17 18	1 59	11 38	1 14	17 25	1 48	6 53	0 33	20 15	0 34	21 57	0 59	20 19	20 15	2 6			n.a.
S 6	14 31	10 35	4 55	7 49	3 3	18 8	0 16	17 6	2 0	11 35	1 14	17 24	1 48	6 52	0 33	20 15	0 34	21 57	0 59	20 22	20 16	2 8			n.a.
S 7	14 49	14 15	4 37	7 34	3 13	18 30	0 19	16 54	2 1	11 31	1 15	17 23	1 48	6 51	0 33	20 15	0 34	21 57	0 59	20 25	20 17	2 11			n.a.
M 8	15 7	17 22	4 6	7 21	3 22	18 52	0 21	16 42	2 2	11 28	1 15	17 22	1 48	6 50	0 33	20 15	0 34	21 56	0 59	20 27	20 17	2 13			n.a.
T 9	15 25	19 45	3 24	7 11	3 29	19 13	0 23	16 29	2 4	11 25	1 15	17 21	1 48	6 49	0 33	20 15	0 34	21 56	0 59	20 29	20 18	2 16			n.a.
W10	15 43	21 14	2 31	7 3	3 36	19 34	0 26	16 16	2 5	11 22	1 15	17 20	1 48	6 48	0 33	20 15	0 34	21 56	0 59	20 31	20 19	2 18			n.a.
T 11	16 1	21 41	1 30	6 58	3 41	19 54	0 28	16 4	2 6	11 19	1 16	17 18	1 48	6 48	0 33	20 15	0 34	21 56	0 59	20 31	20 19	2 20			n.a.
F 12	16 18	21 1	0 23	6 56	3 45	20 14	0 30	15 51	2 7	11 16	1 16	17 17	1 48	6 47	0 33	20 15	0 34	21 56	0 59	20 31	20 20	2 23			n.a.
S 13	16 35	19 11	0n46	6 57	3 48	20 33	0 33	15 38	2 9	11 13	1 16	17 16	1 48	6 46	0 33	20 15	0 34	21 56	0 59	20 31	20 21	2 25			n.a.
S 14	16 52	16 15	1 55	7 0	3 50	20 52	0 35	15 25	2 10	11 10	1 17	17 15	1 48	6 45	0 33	20 15	0 34	21 56	0 59	20 31	20 21	2 28			n.a.
M15	17 9	12 19	2 59	7 6	3 51	21 10	0 37	15 12	2 11	11 7	1 17	17 14	1 47	6 44	0 33	20 15	0 34	21 56	0 59	20 32	20 22	2 30			n.a.
T 16	17 25	7 36	3 54	7 14	3 50	21 28	0 40	14 59	2 12	11 4	1 17	17 13	1 47	6 44	0 33	20 16	0 34	21 56	0 59	20 32	20 23	2 32			n.a.
W17	17 41	2 20	4 35	7 25	3 49	21 44	0 42	14 46	2 14	11 1	1 17	17 12	1 47	6 43	0 33	20 16	0 34	21 56	0 58	20 34	20 24	2 35			n.a.
T 18	17 57	3s10	4 58	7 39	3 47	22 1	0 44	14 33	2 15	10 58	1 18	17 11	1 47	6 42	0 33	20 16	0 34	21 56	0 58	20 35	20 24	2 37			n.a.
F 19	18 12	8 32	5 1	7 55	3 44	22 16	0 46	14 20	2 16	10 55	1 18	17 10	1 47	6 41	0 33	20 16	0 34	21 56	0 58	20 37	20 25	2 40			n.a.
S 20	18 27	13 23	4 43	8 13	3 40	22 31	0 49	14 6	2 17	10 53	1 18	17 9	1 47	6 41	0 33	20 16	0 34	21 56	0 58	20 39	20 26	2 42			n.a.
S 21	18 42	17 21	4 5	8 33	3 35	22 46	0 51	13 53	2 18	10 50	1 18	17 8	1 47	6 40	0 33	20 16	0 34	21 56	0 58	20 41	20 26	2 44			n.a.
M22	18 57	20 7	3 12	8 55	3 29	23 0	0 53	13 39	2 20	10 47	1 19	17 7	1 47	6 39	0 33	20 16	0 34	21 56	0 58	20 42	20 27	2 47			n.a.
T 23	19 11	21 33	2 9	9 19	3 23	23 13	0 55	13 26	2 21	10 45	1 19	17 6	1 47	6 38	0 33	20 16	0 34	21 56	0 58	20 43	20 28	2 49			n.a.
W24	19 25	21 38	0 59	9 46	3 16	23 25	0 57	13 12	2 22	10 42	1 19	17 5	1 47	6 38	0 33	20 16	0 34	21 56	0 58	20 44	20 28	2 52			n.a.
T 25	19 38	20 29	0s11	10 14	3 8	23 37	0 59	12 59	2 23	10 40	1 20	17 4	1 47	6 37	0 33	20 16	0 34	21 55	0 58	20 44	20 29	2 54			n.a.
F 26	19 52	18 17	1 19	10 43	3 0	23 48	1 1	12 45	2 24	10 37	1 20	17 3	1 47	6 36	0 33	20 17	0 34	21 55	0 58	20 44	20 30	2 56			n.a.
S 27	20 5	15 17	2 21	11 14	2 51	23 59	1 3	12 32	2 26	10 35	1 20	17 2	1 47	6 36	0 33	20 17	0 34	21 55	0 58	20 44	20 30	2 59			n.a.
S 28	20 17	11 41	3 15	11 47	2 41	24 8	1 5	12 18	2 27	10 33	1 20	17 1	1 47	6 35	0 33	20 17	0 35	21 55	0 57	20 44	20 31	3 1			n.a.
M29	20 30	7 40	4 0	12 21	2 31	24 17	1 7	12 4	2 28	10 31	1 21	17 0	1 46	6 35	0 33	20 17	0 35	21 55	0 57	20 44	20 32	3 4			n.a.
T 30	20 41	3 24	4 33	12 56	2 21	24 26	1 9	11 51	2 29	10 28	1 21	16 59	1 46	6 34	0 32	20 17	0 35	21 55	0 57	20 45	20 32	3 6			n.a.
W31	20n53	0n58	4s55	13n33	2s10	24n33	1n10	11s37	2s30	10s26	1s21	16s58	1n46	6s33	0n32	20s17	0s35	21s55	0n57	20n46	20n33	3n 8			n.a.

Julian Day Number = 1554258.5, Delta T = 04h28m40s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'36, Lahiri = -10°16'35 Julian Calendar 1 May 458 BCE == Greg. Calendar 26 Apr. 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

JUNE 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 13 14	3♊13'36	25♈38	13♉22	21♊28	7♓ 1	6♓46	22°R36	17°R44	3°R 3	14°R44	28°R 8	29♋18	19♈53	n.a.	T 1
F 2	16 17 10	4°10'42	7♉34	14°53	22°42	7°41	6°52	22♏32	17♎43	3♒ 2	14♐42	27♋59	29°15	20° 0	n.a.	F 2
S 3	16 21 7	5° 7'49	19°37	16°28	23°55	8°20	6°57	22°27	17°41	3° 2	14°41	27°49	29°12	20° 7	n.a.	S 3
S 4	16 25 3	6° 4'57	1♊47	18° 6	25° 8	8°58	7° 3	22°23	17°40	3° 1	14°39	27°39	29° 9	20°13	n.a.	S 4
M 5	16 29 0	7° 2'04	14° 7	19°47	26°21	9°37	7° 9	22°19	17°38	3° 0	14°38	27°31	29° 5	20°20	n.a.	M 5
T 6	16 32 56	7°59'12	26°37	21°32	27°35	10°16	7°14	22°15	17°37	2°59	14°36	27°25	29° 2	20°27	n.a.	T 6
W 7	16 36 53	8°56'20	9♋17	23°20	28°48	10°54	7°19	22°11	17°36	2°59	14°35	27°22	28°59	20°34	n.a.	W 7
T 8	16 40 49	9°53'28	22° 9	25°11	0♋ 1	11°32	7°24	22° 7	17°35	2°58	14°34	27°D20	28°56	20°40	n.a.	T 8
F 9	16 44 46	10°50'36	5♌14	27° 4	1°15	12°10	7°29	22° 3	17°33	2°57	14°32	27°20	28°53	20°47	n.a.	F 9
S 10	16 48 43	11°47'44	18°33	29° 1	2°28	12°48	7°34	21°58	17°32	2°56	14°31	27°21	28°49	20°54	n.a.	S 10
S 11	16 52 39	12°44'52	2♍ 8	0♊59	3°41	13°26	7°38	21°55	17°31	2°55	14°29	27°22	28°46	21° 0	n.a.	S 11
M12	16 56 36	13°42'01	16° 0	3° 0	4°54	14° 3	7°43	21°51	17°30	2°54	14°28	27°R23	28°43	21° 7	n.a.	M12
T 13	17 0 32	14°39'09	0♎ 9	5° 3	6° 7	14°41	7°47	21°47	17°29	2°53	14°26	27°22	28°40	21°14	n.a.	T 13
W14	17 4 29	15°36'18	14°34	7° 7	7°21	15°18	7°51	21°43	17°28	2°53	14°25	27°19	28°37	21°21	n.a.	W14
T 15	17 8 25	16°33'27	29°11	9°13	8°34	15°55	7°55	21°39	17°27	2°52	14°23	27°15	28°34	21°27	n.a.	T 15
F 16	17 12 22	17°30'36	13♏55	11°20	9°47	16°32	7°58	21°35	17°27	2°51	14°22	27° 9	28°30	21°34	n.a.	F 16
S 17	17 16 19	18°27'46	28°39	13°27	11° 0	17° 8	8° 2	21°32	17°26	2°49	14°20	27° 4	28°27	21°41	n.a.	S 17
S 18	17 20 15	19°24'56	13♐16	15°35	12°13	17°45	8° 5	21°28	17°25	2°48	14°19	26°58	28°24	21°47	n.a.	S 18
M19	17 24 12	20°22'07	27°39	17°43	13°26	18°21	8° 8	21°24	17°24	2°47	14°17	26°54	28°21	21°54	n.a.	M19
T 20	17 28 8	21°19'19	11♑41	19°51	14°39	18°57	8°11	21°21	17°24	2°46	14°16	26°52	28°18	22° 1	n.a.	T 20
W21	17 32 5	22°16'31	25°20	21°58	15°52	19°32	8°14	21°18	17°23	2°45	14°14	26°D51	28°15	22° 8	n.a.	W21
T 22	17 36 1	23°13'44	8♒34	24° 4	17° 5	20° 8	8°16	21°14	17°23	2°44	14°13	26°51	28°11	22°14	n.a.	T 22
F 23	17 39 58	24°10'59	21°26	26°10	18°18	20°43	8°19	21°11	17°22	2°43	14°12	26°53	28° 8	22°21	n.a.	F 23
S 24	17 43 54	25° 8'14	3♓56	28°15	19°32	21°18	8°21	21° 8	17°22	2°42	14°10	26°54	28° 5	22°28	n.a.	S 24
S 25	17 47 51	26° 5'30	16°11	0♋19	20°45	21°53	8°23	21° 4	17°21	2°40	14° 9	26°55	28° 2	22°35	n.a.	S 25
M26	17 51 48	27° 2'48	28°13	2°21	21°58	22°28	8°24	21° 1	17°21	2°39	14° 7	26°R56	27°59	22°41	n.a.	M26
T 27	17 55 44	28° 0'07	10♈ 9	4°22	23°11	23° 2	8°26	20°58	17°20	2°38	14° 6	26°55	27°55	22°48	n.a.	T 27
W28	17 59 41	28°57'26	22° 1	6°22	24°23	23°36	8°27	20°55	17°20	2°37	14° 4	26°53	27°52	22°55	n.a.	W28
T 29	18 3 37	29°54'47	3♉56	8°20	25°36	24°10	8°29	20°52	17°20	2°35	14° 3	26°50	27°49	23° 1	n.a.	T 29
F 30	18 7 34	0♋52'10	15♉56	10♋17	26♋49	24♓43	8♓29	20♏49	17♎20	2♒34	14♐ 2	26♋46	27♋46	23♈ 8	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 4	5n18	5s 5	14n10	1s59	24n40	1n12	11s23	2s32	10s24	1s22	16s57	1n46	6s33	0n32	20s17	0s35	21s55	0n57	20n48	20n34	3n11		n.a.
F 2	21 15	9 28	5 1	14 48	1 48	24 46	1 14	11 9	2 33	10 22	1 22	16 56	1 46	6 32	0 32	20 18	0 35	21 55	0 57	20 50	20 34	3 13		n.a.
S 3	21 26	13 19	4 44	15 27	1 36	24 52	1 15	10 56	2 34	10 20	1 22	16 55	1 46	6 32	0 32	20 18	0 35	21 55	0 57	20 52	20 35	3 16		n.a.
S 4	21 36	16 39	4 13	16 6	1 24	24 56	1 17	10 42	2 35	10 18	1 23	16 54	1 46	6 31	0 32	20 18	0 35	21 55	0 57	20 54	20 36	3 18		n.a.
M 5	21 46	19 18	3 31	16 46	1 12	25 0	1 19	10 28	2 36	10 17	1 23	16 53	1 46	6 31	0 32	20 18	0 35	21 55	0 57	20 56	20 36	3 20		n.a.
T 6	21 55	21 5	2 38	17 25	1 0	25 4	1 20	10 14	2 37	10 15	1 23	16 52	1 46	6 30	0 32	20 18	0 35	21 55	0 57	20 57	20 37	3 23		n.a.
W 7	22 5	21 50	1 36	18 5	0 48	25 6	1 21	10 0	2 38	10 13	1 23	16 51	1 46	6 30	0 32	20 19	0 35	21 55	0 57	20 57	20 38	3 25		n.a.
T 8	22 13	21 27	0 28	18 44	0 36	25 8	1 23	9 47	2 40	10 12	1 24	16 50	1 45	6 29	0 32	20 19	0 35	21 54	0 56	20 58	20 38	3 28		n.a.
F 9	22 22	19 54	0n43	19 23	0 24	25 9	1 24	9 33	2 41	10 10	1 24	16 49	1 45	6 29	0 32	20 19	0 35	21 54	0 56	20 58	20 39	3 30		n.a.
S 10	22 30	17 14	1 52	20 0	0 12	25 9	1 25	9 19	2 42	10 9	1 24	16 48	1 45	6 29	0 32	20 19	0 35	21 54	0 56	20 58	20 40	3 32		n.a.
S 11	22 37	13 36	2 57	20 37	0 0	25 8	1 27	9 6	2 43	10 7	1 25	16 47	1 45	6 28	0 32	20 19	0 35	21 54	0 56	20 57	20 40	3 35		n.a.
M12	22 44	9 9	3 53	21 13	0n11	25 7	1 28	8 52	2 44	10 6	1 25	16 47	1 45	6 28	0 32	20 20	0 35	21 54	0 56	20 57	20 41	3 37		n.a.
T 13	22 51	4 9	4 36	21 47	0 22	25 5	1 29	8 38	2 45	10 5	1 25	16 46	1 45	6 28	0 32	20 20	0 35	21 54	0 56	20 57	20 42	3 40		n.a.
W14	22 58	1s11	5 2	22 19	0 32	25 2	1 30	8 25	2 46	10 3	1 26	16 45	1 45	6 27	0 32	20 20	0 35	21 54	0 56	20 58	20 42	3 42		n.a.
T 15	23 4	6 30	5 9	22 49	0 42	24 59	1 31	8 11	2 47	10 2	1 26	16 44	1 44	6 27	0 32	20 20	0 35	21 54	0 56	20 59	20 43	3 45		n.a.
F 16	23 9	11 30	4 57	23 17	0 52	24 54	1 32	7 58	2 48	10 1	1 26	16 43	1 44	6 27	0 32	20 21	0 35	21 54	0 56	21 0	20 44	3 47		n.a.
S 17	23 14	15 50	4 24	23 42	1 0	24 49	1 32	7 44	2 49	10 0	1 27	16 42	1 44	6 26	0 32	20 21	0 35	21 54	0 56	21 1	20 44	3 49		n.a.
S 18	23 19	19 8	3 35	24 5	1 8	24 44	1 33	7 31	2 51	9 59	1 27	16 41	1 44	6 26	0 32	20 21	0 35	21 54	0 55	21 2	20 45	3 52		n.a.
M19	23 24	21 12	2 32	24 26	1 16	24 37	1 34	7 18	2 52	9 58	1 27	16 41	1 44	6 26	0 32	20 22	0 35	21 54	0 55	21 3	20 46	3 54		n.a.
T 20	23 28	21 52	1 22	24 43	1 22	24 30	1 35	7 4	2 53	9 58	1 28	16 40	1 44	6 26	0 32	20 22	0 35	21 54	0 55	21 3	20 46	3 57		n.a.
W21	23 31	21 13	0 8	24 58	1 28	24 22	1 35	6 51	2 54	9 57	1 28	16 39	1 43	6 25	0 32	20 22	0 35	21 54	0 55	21 4	20 47	3 59		n.a.
T 22	23 34	19 23	1s 4	25 10	1 33	24 13	1 36	6 38	2 55	9 56	1 28	16 38	1 43	6 25	0 32	20 22	0 35	21 53	0 55	21 3	20 47	4 1		n.a.
F 23	23 37	16 36	2 10	25 19	1 38	24 4	1 36	6 25	2 56	9 56	1 29	16 38	1 43	6 25	0 32	20 23	0 35	21 53	0 55	21 3	20 48	4 4		n.a.
S 24	23 40	13 7	3 9	25 26	1 42	23 54	1 36	6 12	2 57	9 55	1 29	16 37	1 43	6 25	0 32	20 23	0 35	21 53	0 55	21 3	20 49	4 6		n.a.
S 25	23 41	9 9	3 57	25 30	1 45	23 43	1 37	5 59	2 58	9 55	1 29	16 36	1 43	6 25	0 32	20 23	0 35	21 53	0 55	21 3	20 49	4 9		n.a.
M26	23 43	4 54	4 35	25 31	1 47	23 31	1 37	5 46	2 59	9 54	1 30	16 36	1 43	6 25	0 32	20 24	0 35	21 53	0 55	21 3	20 50	4 11		n.a.
T 27	23 44	0 31	5 0	25 29	1 49	23 19	1 37	5 33	3 0	9 54	1 30	16 35	1 42	6 25	0 32	20 24	0 35	21 53	0 55	21 3	20 51	4 14		n.a.
W28	23 45	3n52	5 12	25 25	1 50	23 6	1 37	5 20	3 1	9 54	1 30	16 34	1 42	6 24	0 32	20 24	0 35	21 53	0 54	21 3	20 51	4 16		n.a.
T 29	23 45	8 7	5 11	25 19	1 50	22 53	1 37	5 7	3 2	9 54	1 31	16 34	1 42	6 24	0 32	20 25	0 35	21 53	0 54	21 4	20 52	4 18		n.a.
F 30	23n45	12n 6	4s56	25n10	1n50	22n39	1n37	4s55	3s 3	9s54	1s31	16s33	1n42	6s24	0n31	20s25	0s35	21s53	0n54	21n 4	20n53	4n21		n.a.

Julian Day Number = 1554289.5, Delta T = 04h28m39s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'32, Lahiri = -10°16'31 Julian Calendar 1 June 458 BCE == Greg. Calendar 27 May 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

JULY 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 11 30	1♋49'33	28♉ 4	12♋12	28♋ 2	25♓17	8♓30	20°R47	17°R20	2°R33	14°R 0	26°R42	27♋43	23♈15	n.a.	S 1
S 2	18 15 27	2°46'58	10♊24	14° 6	29°15	25°50	8°31	20♏44	17°D20	2♒31	13♐59	26♋38	27°40	23°22	n.a.	S 2
M 3	18 19 23	3°44'24	22°57	15°58	0♌28	26°22	8°31	20°41	17♎20	2°30	13°57	26°35	27°36	23°28	n.a.	M 3
T 4	18 23 20	4°41'51	5♋43	17°48	1°41	26°55	8°31	20°39	17°20	2°28	13°56	26°33	27°33	23°35	n.a.	T 4
W 5	18 27 17	5°39'20	18°43	19°37	2°54	27°27	8°R31	20°36	17°20	2°27	13°55	26°32	27°30	23°42	n.a.	W 5
T 6	18 31 13	6°36'49	1♌57	21°24	4° 7	27°59	8°31	20°34	17°20	2°26	13°53	26°D32	27°27	23°49	n.a.	T 6
F 7	18 35 10	7°34'20	15°23	23°10	5°20	28°30	8°31	20°31	17°20	2°24	13°52	26°32	27°24	23°55	n.a.	F 7
S 8	18 39 6	8°31'51	29° 2	24°54	6°32	29° 1	8°30	20°29	17°21	2°23	13°51	26°33	27°21	24° 2	n.a.	S 8
S 9	18 43 3	9°29'24	12♍52	26°37	7°45	29°32	8°29	20°27	17°21	2°21	13°49	26°35	27°17	24° 9	n.a.	S 9
M10	18 46 59	10°26'57	26°52	28°18	8°58	0♈ 2	8°28	20°25	17°21	2°20	13°48	26°36	27°14	24°15	n.a.	M10
T 11	18 50 56	11°24'32	11♎ 0	29°58	10°11	0°32	8°27	20°23	17°22	2°18	13°47	26°R36	27°11	24°22	n.a.	T 11
W12	18 54 52	12°22'07	25°16	1♌36	11°23	1° 2	8°26	20°21	17°22	2°17	13°46	26°36	27° 8	24°29	n.a.	W12
T 13	18 58 49	13°19'44	9♏35	3°12	12°36	1°32	8°24	20°19	17°23	2°15	13°44	26°35	27° 5	24°36	n.a.	T 13
F 14	19 2 46	14°17'22	23°55	4°47	13°49	2° 1	8°23	20°18	17°23	2°14	13°43	26°33	27° 1	24°42	n.a.	F 14
S 15	19 6 42	15°15'01	8♐12	6°21	15° 1	2°29	8°21	20°16	17°24	2°12	13°42	26°32	26°58	24°49	n.a.	S 15
S 16	19 10 39	16°12'41	22°22	7°53	16°14	2°58	8°18	20°15	17°25	2°11	13°41	26°31	26°55	24°56	n.a.	S 16
M17	19 14 35	17°10'23	6♑20	9°23	17°27	3°26	8°16	20°13	17°25	2° 9	13°40	26°30	26°52	25° 3	n.a.	M17
T 18	19 18 32	18° 8'06	20° 2	10°52	18°39	3°53	8°14	20°12	17°26	2° 7	13°38	26°D29	26°49	25° 9	n.a.	T 18
W19	19 22 28	19° 5'51	3♒27	12°20	19°52	4°20	8°11	20°10	17°27	2° 6	13°37	26°29	26°46	25°16	n.a.	W19
T 20	19 26 25	20° 3'37	16°34	13°45	21° 4	4°47	8° 8	20° 9	17°28	2° 4	13°36	26°30	26°42	25°23	n.a.	T 20
F 21	19 30 22	21° 1'25	29°21	15°10	22°17	5°13	8° 5	20° 8	17°29	2° 3	13°35	26°30	26°39	25°29	n.a.	F 21
S 22	19 34 18	21°59'15	11♓51	16°32	23°29	5°39	8° 1	20° 7	17°30	2° 1	13°34	26°31	26°36	25°36	n.a.	S 22
S 23	19 38 15	22°57'06	24° 6	17°53	24°42	6° 5	7°58	20° 6	17°31	1°59	13°33	26°31	26°33	25°43	n.a.	S 23
M24	19 42 11	23°55'00	6♈ 9	19°13	25°54	6°30	7°54	20° 6	17°32	1°58	13°32	26°32	26°30	25°50	n.a.	M24
T 25	19 46 8	24°52'55	18° 6	20°30	27° 6	6°54	7°50	20° 5	17°33	1°56	13°31	26°32	26°27	25°56	n.a.	T 25
W26	19 50 4	25°50'52	29°59	21°46	28°19	7°18	7°46	20° 4	17°34	1°54	13°30	26°R32	26°23	26° 3	n.a.	W26
T 27	19 54 1	26°48'52	11♉54	23° 0	29°31	7°42	7°42	20° 4	17°36	1°53	13°29	26°D32	26°20	26°10	n.a.	T 27
F 28	19 57 57	27°46'53	23°55	24°12	0♍43	8° 5	7°38	20° 3	17°37	1°51	13°28	26°32	26°17	26°16	n.a.	F 28
S 29	20 1 54	28°44'56	6♊ 7	25°22	1°55	8°28	7°33	20° 3	17°38	1°50	13°27	26°32	26°14	26°23	n.a.	S 29
S 30	20 5 50	29°43'01	18°32	26°30	3° 8	8°50	7°28	20° 3	17°40	1°48	13°26	26°32	26°11	26°30	n.a.	S 30
M31	20 9 47	0♌41'09	1♋15	27♌36	4♍20	9♈11	7♓24	20♏ 3	17♎41	1♒46	13♐25	26♋33	26♋ 7	26♈37	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	15n38	4s28	24n59	1n49	22n24	1n37	4s42	3s 4	9s54	1s31	16s33	1n42	6s24	0n31	20s25	0s35	21s53	0n54	21n 5	20n53	4n23		n.a.
S 2	23 43	18 33	3 47	24 46	1 47	22 9	1 36	4 30	3 5	9 54	1 32	16 32	1 42	6 24	0 31	20 26	0 35	21 53	0 54	21 6	20 54	4 26		n.a.
M 3	23 42	20 40	2 54	24 31	1 45	21 52	1 36	4 18	3 6	9 54	1 32	16 32	1 41	6 24	0 31	20 26	0 35	21 53	0 54	21 7	20 55	4 28		n.a.
T 4	23 40	21 46	1 52	24 15	1 43	21 36	1 36	4 5	3 7	9 54	1 32	16 31	1 41	6 25	0 31	20 26	0 35	21 53	0 54	21 7	20 55	4 30		n.a.
W 5	23 38	21 43	0 43	23 56	1 40	21 18	1 35	3 53	3 8	9 54	1 33	16 31	1 41	6 25	0 31	20 27	0 36	21 53	0 54	21 7	20 56	4 33		n.a.
T 6	23 35	20 28	0n30	23 36	1 36	21 1	1 35	3 41	3 8	9 55	1 33	16 30	1 41	6 25	0 31	20 27	0 36	21 53	0 54	21 7	20 56	4 35		n.a.
F 7	23 32	18 3	1 42	23 15	1 32	20 42	1 34	3 30	3 9	9 55	1 33	16 30	1 41	6 25	0 31	20 27	0 36	21 53	0 53	21 7	20 57	4 38		n.a.
S 8	23 28	14 36	2 50	22 52	1 28	20 23	1 33	3 18	3 10	9 56	1 34	16 29	1 40	6 25	0 31	20 28	0 36	21 53	0 53	21 7	20 58	4 40		n.a.
S 9	23 24	10 19	3 49	22 28	1 23	20 3	1 33	3 6	3 11	9 56	1 34	16 29	1 40	6 25	0 31	20 28	0 36	21 52	0 53	21 7	20 58	4 43		n.a.
M10	23 20	5 27	4 34	22 2	1 18	19 43	1 32	2 55	3 12	9 57	1 34	16 29	1 40	6 25	0 31	20 28	0 36	21 52	0 53	21 6	20 59	4 45		n.a.
T 11	23 15	0 15	5 4	21 36	1 12	19 23	1 31	2 44	3 13	9 58	1 35	16 28	1 40	6 25	0 31	20 29	0 36	21 52	0 53	21 6	21 0	4 47		n.a.
W12	23 10	5s 0	5 16	21 8	1 6	19 1	1 30	2 32	3 14	9 59	1 35	16 28	1 40	6 26	0 31	20 29	0 36	21 52	0 53	21 6	21 0	4 50		n.a.
T 13	23 4	10 0	5 8	20 40	1 0	18 40	1 29	2 21	3 15	9 59	1 35	16 28	1 39	6 26	0 31	20 30	0 36	21 52	0 53	21 7	21 1	4 52		n.a.
F 14	22 58	14 28	4 41	20 11	0 53	18 17	1 28	2 10	3 15	10 0	1 35	16 27	1 39	6 26	0 31	20 30	0 36	21 52	0 53	21 7	21 1	4 55		n.a.
S 15	22 52	18 4	3 56	19 41	0 47	17 55	1 26	2 0	3 16	10 1	1 36	16 27	1 39	6 26	0 31	20 30	0 36	21 52	0 53	21 7	21 2	4 57		n.a.
S 16	22 45	20 34	2 58	19 10	0 39	17 31	1 25	1 49	3 17	10 3	1 36	16 27	1 39	6 27	0 31	20 31	0 36	21 52	0 52	21 7	21 3	5 0		n.a.
M17	22 38	21 47	1 49	18 39	0 32	17 8	1 24	1 38	3 18	10 4	1 36	16 27	1 39	6 27	0 31	20 31	0 36	21 52	0 52	21 8	21 3	5 2		n.a.
T 18	22 30	21 39	0 36	18 7	0 24	16 44	1 22	1 28	3 19	10 5	1 37	16 27	1 38	6 27	0 31	20 31	0 36	21 52	0 52	21 8	21 4	5 4		n.a.
W19	22 22	20 15	0s39	17 35	0 16	16 19	1 21	1 18	3 20	10 6	1 37	16 27	1 38	6 28	0 31	20 32	0 36	21 52	0 52	21 8	21 5	5 7		n.a.
T 20	22 14	17 48	1 49	17 3	0 8	15 54	1 19	1 8	3 20	10 8	1 37	16 26	1 38	6 28	0 31	20 32	0 36	21 52	0 52	21 8	21 5	5 9		n.a.
F 21	22 5	14 32	2 52	16 30	0s 0	15 29	1 17	0 58	3 21	10 9	1 38	16 26	1 38	6 29	0 31	20 33	0 36	21 52	0 52	21 8	21 6	5 12		n.a.
S 22	21 56	10 41	3 46	15 57	0 9	15 3	1 15	0 48	3 22	10 11	1 38	16 26	1 37	6 29	0 31	20 33	0 36	21 52	0 52	21 7	21 6	5 14		n.a.
S 23	21 46	6 28	4 28	15 24	0 17	14 37	1 14	0 39	3 23	10 12	1 38	16 26	1 37	6 29	0 31	20 33	0 36	21 52	0 52	21 7	21 7	5 17		n.a.
M24	21 36	2 4	4 57	14 50	0 26	14 10	1 12	0 30	3 23	10 14	1 39	16 26	1 37	6 30	0 31	20 34	0 36	21 52	0 52	21 7	21 8	5 19		n.a.
T 25	21 26	2n22	5 14	14 17	0 35	13 43	1 10	0 20	3 24	10 16	1 39	16 26	1 37	6 30	0 31	20 34	0 36	21 52	0 51	21 7	21 8	5 21		n.a.
W26	21 15	6 41	5 16	13 44	0 45	13 16	1 8	0 11	3 25	10 18	1 39	16 26	1 37	6 31	0 31	20 34	0 36	21 52	0 51	21 7	21 9	5 24		n.a.
T 27	21 4	10 45	5 6	13 11	0 54	12 49	1 6	0 3	3 25	10 19	1 39	16 26	1 36	6 31	0 31	20 35	0 36	21 52	0 51	21 7	21 9	5 26		n.a.
F 28	20 52	14 27	4 42	12 38	1 3	12 21	1 3	0n 6	3 26	10 21	1 40	16 27	1 36	6 32	0 30	20 35	0 36	21 52	0 51	21 7	21 10	5 29		n.a.
S 29	20 41	17 36	4 5	12 5	1 13	11 53	1 1	0 14	3 27	10 23	1 40	16 27	1 36	6 32	0 30	20 36	0 36	21 52	0 51	21 7	21 11	5 31		n.a.
S 30	20 28	20 0	3 15	11 33	1 22	11 24	0 59	0 23	3 27	10 25	1 40	16 27	1 36	6 33	0 30	20 36	0 36	21 52	0 51	21 7	21 11	5 34		n.a.
M31	20n16	21n29	2s16	11n 2	1s32	10n55	0n56	0n31	3s28	10s27	1s40	16s27	1n36	6s34	0n30	20s36	0s36	21s52	0n51	21n 7	21n12	5n36		n.a.

Julian Day Number = 1554319.5, Delta T = 04h28m38s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'27, Lahiri = -10°16'27 Julian Calendar 1 July 458 BCE == Greg. Calendar 26 June 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

AUGUST 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 13 44	1♌39'18	14♋15	28♌40	5♍32	9♈32	7°R18	20°D 3	17♎43	1°R45	13°R24	26♋33	26♋ 4	26♈43	n.a.	T 1
W 2	20 17 40	2°37'29	27°35	29°41	6°44	9°52	7♓13	20♏ 3	17°44	1♒43	13♐23	26°R33	26° 1	26°50	n.a.	W 2
T 3	20 21 37	3°35'42	11♌13	0♍40	7°56	10°12	7° 8	20° 3	17°46	1°41	13°23	26°33	25°58	26°57	n.a.	T 3
F 4	20 25 33	4°33'57	25° 6	1°36	9° 8	10°31	7° 2	20° 3	17°47	1°40	13°22	26°32	25°55	27° 4	n.a.	F 4
S 5	20 29 30	5°32'14	9♍12	2°29	10°20	10°50	6°57	20° 3	17°49	1°38	13°21	26°31	25°52	27°10	n.a.	S 5
S 6	20 33 26	6°30'32	23°26	3°19	11°32	11° 8	6°51	20° 4	17°51	1°36	13°20	26°30	25°48	27°17	n.a.	S 6
M 7	20 37 23	7°28'52	7♎45	4° 5	12°44	11°25	6°45	20° 5	17°53	1°35	13°20	26°29	25°45	27°24	n.a.	M 7
T 8	20 41 19	8°27'14	22° 4	4°48	13°56	11°42	6°39	20° 5	17°54	1°33	13°19	26°28	25°42	27°30	n.a.	T 8
W 9	20 45 16	9°25'37	6♏20	5°28	15° 8	11°58	6°32	20° 6	17°56	1°32	13°18	26°D28	25°39	27°37	n.a.	W 9
T 10	20 49 13	10°24'02	20°30	6° 3	16°20	12°14	6°26	20° 7	17°58	1°30	13°18	26°28	25°36	27°44	n.a.	T 10
F 11	20 53 9	11°22'29	4♐32	6°34	17°32	12°29	6°19	20° 8	18° 0	1°28	13°17	26°29	25°33	27°51	n.a.	F 11
S 12	20 57 6	12°20'57	18°25	7° 1	18°43	12°43	6°13	20° 9	18° 2	1°27	13°16	26°30	25°29	27°57	n.a.	S 12
S 13	21 1 2	13°19'28	2♑ 8	7°22	19°55	12°56	6° 6	20°10	18° 4	1°25	13°16	26°31	25°26	28° 4	n.a.	S 13
M14	21 4 59	14°18'00	15°38	7°38	21° 7	13° 9	5°59	20°11	18° 6	1°23	13°15	26°32	25°23	28°11	n.a.	M14
T 15	21 8 55	15°16'34	28°56	7°49	22°18	13°21	5°52	20°12	18° 8	1°22	13°15	26°R32	25°20	28°18	n.a.	T 15
W16	21 12 52	16°15'10	12♒ 1	7°R53	23°30	13°32	5°45	20°14	18°11	1°20	13°14	26°31	25°17	28°24	n.a.	W16
T 17	21 16 48	17°13'48	24°52	7°51	24°41	13°43	5°38	20°15	18°13	1°19	13°14	26°30	25°13	28°31	n.a.	T 17
F 18	21 20 45	18°12'28	7♓29	7°43	25°53	13°53	5°30	20°17	18°15	1°17	13°13	26°27	25°10	28°38	n.a.	F 18
S 19	21 24 42	19°11'10	19°52	7°27	27° 4	14° 2	5°23	20°19	18°17	1°16	13°13	26°24	25° 7	28°44	n.a.	S 19
S 20	21 28 38	20° 9'54	2♈ 4	7° 5	28°16	14°10	5°15	20°21	18°20	1°14	13°13	26°20	25° 4	28°51	n.a.	S 20
M21	21 32 35	21° 8'41	14° 6	6°35	29°27	14°17	5° 8	20°22	18°22	1°13	13°12	26°16	25° 1	28°58	n.a.	M21
T 22	21 36 31	22° 7'30	26° 2	5°58	0♎38	14°24	5° 0	20°24	18°25	1°11	13°12	26°13	24°58	29° 5	n.a.	T 22
W23	21 40 28	23° 6'21	7♉54	5°14	1°49	14°30	4°53	20°26	18°27	1° 9	13°12	26°10	24°54	29°11	n.a.	W23
T 24	21 44 24	24° 5'15	19°48	4°24	3° 0	14°35	4°45	20°29	18°30	1° 8	13°11	26°D 9	24°51	29°18	n.a.	T 24
F 25	21 48 21	25° 4'11	1♊47	3°28	4°12	14°39	4°37	20°31	18°32	1° 7	13°11	26° 9	24°48	29°25	n.a.	F 25
S 26	21 52 17	26° 3'09	13°57	2°27	5°23	14°42	4°29	20°33	18°35	1° 5	13°11	26°10	24°45	29°31	n.a.	S 26
S 27	21 56 14	27° 2'10	26°23	1°23	6°34	14°45	4°21	20°36	18°37	1° 4	13°11	26°12	24°42	29°38	n.a.	S 27
M28	22 0 10	28° 1'14	9♋ 8	0°16	7°45	14°46	4°13	20°38	18°40	1° 2	13°11	26°14	24°38	29°45	n.a.	M28
T 29	22 4 7	29° 0'20	22°15	29♌ 8	8°55	14°R47	4° 5	20°41	18°43	1° 1	13°11	26°R15	24°35	29°52	n.a.	T 29
W30	22 8 4	29°59'28	5♌47	28° 1	10° 6	14°47	3°57	20°44	18°46	0°59	13°10	26°14	24°32	29°58	n.a.	W30
T 31	22 12 0	0♍58'38	19♌43	26♌57	11♎17	14♈46	3♓49	20♏46	18♎48	0♒58	13♐10	26♋12	24♋29	0♉ 5	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	20n 3	21n51	1s 8	10n30	1s41	10n26	0n54	0n38	3s28	10s30	1s41	16s27	1n35	6s34	0n30	20s37	0s36	21s52	0n51	21n 7	21n12	5n38			n.a.
W 2	19 50	21 0	0n 6	10 0	1 51	9 57	0 51	0 46	3 29	10 32	1 41	16 27	1 35	6 35	0 30	20 37	0 36	21 52	0 50	21 7	21 13	5 41			n.a.
T 3	19 36	18 55	1 20	9 30	2 1	9 27	0 49	0 53	3 29	10 34	1 41	16 28	1 35	6 35	0 30	20 38	0 36	21 52	0 50	21 7	21 14	5 43			n.a.
F 4	19 22	15 42	2 32	9 1	2 10	8 57	0 46	1 0	3 30	10 36	1 42	16 28	1 35	6 36	0 30	20 38	0 36	21 52	0 50	21 7	21 14	5 46			n.a.
S 5	19 8	11 32	3 35	8 33	2 20	8 27	0 43	1 7	3 30	10 39	1 42	16 28	1 34	6 37	0 30	20 38	0 36	21 52	0 50	21 7	21 15	5 48			n.a.
S 6	18 53	6 41	4 25	8 6	2 29	7 57	0 41	1 14	3 31	10 41	1 42	16 29	1 34	6 38	0 30	20 39	0 36	21 52	0 50	21 8	21 15	5 51			n.a.
M 7	18 38	1 28	4 59	7 41	2 38	7 27	0 38	1 20	3 31	10 44	1 42	16 29	1 34	6 38	0 30	20 39	0 36	21 52	0 50	21 8	21 16	5 53			n.a.
T 8	18 23	3s50	5 15	7 17	2 48	6 56	0 35	1 27	3 32	10 46	1 42	16 29	1 34	6 39	0 30	20 39	0 36	21 52	0 50	21 8	21 17	5 55			n.a.
W 9	18 8	8 54	5 11	6 54	2 56	6 25	0 32	1 33	3 32	10 49	1 43	16 30	1 34	6 40	0 30	20 40	0 36	21 52	0 50	21 8	21 17	5 58			n.a.
T 10	17 52	13 28	4 49	6 33	3 5	5 54	0 29	1 38	3 32	10 51	1 43	16 30	1 33	6 41	0 30	20 40	0 36	21 52	0 50	21 8	21 18	6 0			n.a.
F 11	17 35	17 14	4 9	6 14	3 13	5 23	0 26	1 44	3 33	10 54	1 43	16 31	1 33	6 41	0 30	20 41	0 36	21 52	0 49	21 8	21 18	6 3			n.a.
S 12	17 19	20 0	3 15	5 56	3 21	4 52	0 23	1 49	3 33	10 57	1 43	16 31	1 33	6 42	0 30	20 41	0 36	21 52	0 49	21 8	21 19	6 5			n.a.
S 13	17 2	21 33	2 11	5 42	3 29	4 21	0 20	1 54	3 33	10 59	1 43	16 32	1 33	6 43	0 30	20 41	0 36	21 52	0 49	21 7	21 20	6 8			n.a.
M14	16 45	21 50	1 0	5 29	3 35	3 49	0 16	1 59	3 33	11 2	1 44	16 32	1 32	6 44	0 30	20 42	0 36	21 52	0 49	21 7	21 20	6 10			n.a.
T 15	16 28	20 51	0s13	5 19	3 42	3 18	0 13	2 4	3 34	11 5	1 44	16 33	1 32	6 45	0 30	20 42	0 36	21 52	0 49	21 7	21 21	6 12			n.a.
W16	16 10	18 45	1 24	5 13	3 47	2 46	0 10	2 8	3 34	11 8	1 44	16 33	1 32	6 45	0 30	20 42	0 36	21 53	0 49	21 7	21 21	6 15			n.a.
T 17	15 52	15 45	2 30	5 9	3 52	2 14	0 7	2 12	3 34	11 11	1 44	16 34	1 32	6 46	0 30	20 43	0 36	21 53	0 49	21 8	21 22	6 17			n.a.
F 18	15 34	12 4	3 26	5 9	3 55	1 42	0 3	2 16	3 34	11 14	1 44	16 35	1 32	6 47	0 30	20 43	0 36	21 53	0 49	21 8	21 23	6 20			n.a.
S 19	15 16	7 55	4 12	5 13	3 58	1 10	0s 0	2 19	3 34	11 16	1 44	16 35	1 31	6 48	0 30	20 43	0 36	21 53	0 48	21 9	21 23	6 22			n.a.
S 20	14 57	3 32	4 46	5 20	3 59	0 39	0 4	2 22	3 34	11 19	1 45	16 36	1 31	6 49	0 30	20 44	0 36	21 53	0 48	21 10	21 24	6 25			n.a.
M21	14 38	0n56	5 6	5 31	3 59	0 7	0 7	2 25	3 34	11 22	1 45	16 37	1 31	6 50	0 30	20 44	0 36	21 53	0 48	21 10	21 24	6 27			n.a.
T 22	14 19	5 19	5 13	5 46	3 57	0s25	0 11	2 28	3 34	11 25	1 45	16 37	1 31	6 51	0 30	20 44	0 36	21 53	0 48	21 11	21 25	6 30			n.a.
W23	13 59	9 29	5 7	6 6	3 53	0 57	0 14	2 30	3 34	11 28	1 45	16 38	1 31	6 52	0 30	20 45	0 36	21 53	0 48	21 11	21 26	6 32			n.a.
T 24	13 40	13 18	4 47	6 29	3 48	1 29	0 18	2 32	3 34	11 31	1 45	16 39	1 30	6 53	0 30	20 45	0 36	21 53	0 48	21 12	21 26	6 34			n.a.
F 25	13 20	16 37	4 15	6 57	3 40	2 1	0 22	2 34	3 33	11 34	1 45	16 40	1 30	6 54	0 30	20 46	0 36	21 53	0 48	21 12	21 27	6 37			n.a.
S 26	13 0	19 17	3 31	7 27	3 31	2 33	0 25	2 36	3 33	11 37	1 45	16 41	1 30	6 55	0 30	20 46	0 36	21 53	0 48	21 11	21 27	6 39			n.a.
S 27	12 39	21 6	2 36	8 1	3 19	3 5	0 29	2 37	3 33	11 40	1 45	16 41	1 30	6 56	0 30	20 46	0 36	21 53	0 47	21 11	21 28	6 42			n.a.
M28	12 19	21 54	1 32	8 38	3 6	3 37	0 33	2 38	3 32	11 43	1 45	16 42	1 29	6 57	0 30	20 46	0 36	21 54	0 47	21 11	21 28	6 44			n.a.
T 29	11 58	21 32	0 22	9 16	2 51	4 8	0 36	2 39	3 32	11 46	1 46	16 43	1 29	6 58	0 29	20 47	0 36	21 54	0 47	21 11	21 29	6 47			n.a.
W30	11 37	19 54	0n52	9 55	2 34	4 40	0 40	2 39	3 32	11 49	1 46	16 44	1 29	6 59	0 29	20 47	0 36	21 54	0 47	21 11	21 30	6 49			n.a.
T 31	11n16	17n 3	2n 4	10n34	2s16	5s11	0s44	2n39	3s31	11s52	1s46	16s45	1n29	7s 0	0n29	20s47	0s36	21s54	0n47	21n11	21n30	6n51			n.a.

Julian Day Number = 1554350.5, Delta T = 04h28m36s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'23, Lahiri = -10°16'23 Julian Calendar 1 Aug. 458 BCE == Greg. Calendar 27 July 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

SEPTEMBER 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 15 57	1♍57'51	4♍ 1	25°R57	12♎28	14°R44	3°R41	20♏49	18♎51	0°R57	13°D10	26°R 9	24♋26	0♉12	n.a.	F 1
S 2	22 19 53	2°57'05	18°34	25♌ 3	13°38	14♈41	3♓33	20°52	18°54	0♒55	13♐10	26♋ 4	24°23	0°19	n.a.	S 2
S 3	22 23 50	3°56'22	3♎17	24°17	14°49	14°37	3°25	20°55	18°57	0°54	13°10	25°58	24°19	0°25	n.a.	S 3
M 4	22 27 46	4°55'41	18° 2	23°40	15°59	14°32	3°17	20°59	19° 0	0°53	13°10	25°52	24°16	0°32	n.a.	M 4
T 5	22 31 43	5°55'01	2♏42	23°13	17°10	14°27	3° 9	21° 2	19° 3	0°51	13°11	25°47	24°13	0°39	n.a.	T 5
W 6	22 35 39	6°54'24	17°10	22°56	18°20	14°20	3° 1	21° 5	19° 6	0°50	13°11	25°44	24°10	0°45	n.a.	W 6
T 7	22 39 36	7°53'48	1♐23	22°D49	19°31	14°13	2°53	21° 9	19° 9	0°49	13°11	25°42	24° 7	0°52	n.a.	T 7
F 8	22 43 33	8°53'15	15°18	22°54	20°41	14° 5	2°45	21°12	19°12	0°48	13°11	25°D42	24° 4	0°59	n.a.	F 8
S 9	22 47 29	9°52'43	28°57	23° 9	21°51	13°55	2°37	21°16	19°15	0°46	13°11	25°43	24° 0	1° 6	n.a.	S 9
S 10	22 51 26	10°52'13	12♑20	23°34	23° 1	13°45	2°29	21°19	19°18	0°45	13°12	25°45	23°57	1°12	n.a.	S 10
M11	22 55 22	11°51'45	25°28	24° 9	24°11	13°35	2°21	21°23	19°21	0°44	13°12	25°R45	23°54	1°19	n.a.	M11
T 12	22 59 19	12°51'19	8♒23	24°53	25°21	13°23	2°13	21°27	19°24	0°43	13°12	25°45	23°51	1°26	n.a.	T 12
W13	23 3 15	13°50'55	21° 7	25°45	26°31	13°11	2° 5	21°31	19°27	0°42	13°12	25°42	23°48	1°33	n.a.	W13
T 14	23 7 12	14°50'32	3♓40	26°45	27°40	12°57	1°58	21°35	19°31	0°41	13°13	25°36	23°44	1°39	n.a.	T 14
F 15	23 11 8	15°50'12	16° 3	27°51	28°50	12°43	1°50	21°39	19°34	0°40	13°13	25°29	23°41	1°46	n.a.	F 15
S 16	23 15 5	16°49'54	28°17	29° 3	29°59	12°29	1°43	21°43	19°37	0°39	13°14	25°20	23°38	1°53	n.a.	S 16
S 17	23 19 1	17°49'38	10♈22	0♍20	1♏ 9	12°13	1°35	21°47	19°40	0°38	13°14	25° 9	23°35	1°59	n.a.	S 17
M18	23 22 58	18°49'24	22°21	1°41	2°18	11°57	1°28	21°51	19°44	0°37	13°15	24°59	23°32	2° 6	n.a.	M18
T 19	23 26 55	19°49'13	4♉14	3° 7	3°28	11°40	1°21	21°56	19°47	0°36	13°15	24°50	23°29	2°13	n.a.	T 19
W20	23 30 51	20°49'04	16° 5	4°35	4°37	11°23	1°13	22° 0	19°51	0°35	13°16	24°42	23°25	2°20	n.a.	W20
T 21	23 34 48	21°48'57	27°57	6° 6	5°46	11° 5	1° 6	22° 5	19°54	0°34	13°16	24°36	23°22	2°26	n.a.	T 21
F 22	23 38 44	22°48'52	9♊53	7°39	6°55	10°46	0°59	22° 9	19°57	0°33	13°17	24°33	23°19	2°33	n.a.	F 22
S 23	23 42 41	23°48'50	22° 0	9°14	8° 4	10°27	0°52	22°14	20° 1	0°32	13°17	24°D32	23°16	2°40	n.a.	S 23
S 24	23 46 37	24°48'50	4♋21	10°51	9°12	10° 7	0°46	22°19	20° 4	0°32	13°18	24°33	23°13	2°46	n.a.	S 24
M25	23 50 34	25°48'52	17° 1	12°28	10°21	9°47	0°39	22°24	20° 8	0°31	13°19	24°33	23°10	2°53	n.a.	M25
T 26	23 54 30	26°48'57	0♌ 7	14° 6	11°29	9°27	0°33	22°28	20°11	0°30	13°20	24°R33	23° 6	3° 0	n.a.	T 26
W27	23 58 27	27°49'04	13°39	15°45	12°38	9° 6	0°26	22°33	20°15	0°29	13°20	24°32	23° 3	3° 7	n.a.	W27
T 28	0 2 24	28°49'13	27°41	17°24	13°46	8°45	0°20	22°38	20°18	0°29	13°21	24°28	23° 0	3°13	n.a.	T 28
F 29	0 6 20	29°49'24	12♍11	19° 4	14°54	8°23	0°14	22°43	20°22	0°28	13°22	24°21	22°57	3°20	n.a.	F 29
S 30	0 10 17	0♎49'37	27♍ 2	20♍44	16♏ 2	8♈ 2	0♓ 8	22♏49	20♎25	0♒27	13♐23	24♋12	22♋54	3♉27	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n55	13n 7	3n11	11n12	1s57	5s43	0s48	2n39	3s30	11s55	1s46	16s46	1n29	7s 1	0n29	20s48	0s36	21s54	0n47	21n12	21n31	6n54		n.a.
S 2	10 33	8 21	4 6	11 49	1 37	6 14	0 51	2 38	3 30	11 58	1 46	16 47	1 28	7 3	0 29	20 48	0 36	21 54	0 47	21 13	21 31	6 56		n.a.
S 3	10 11	3 2	4 46	12 24	1 17	6 46	0 55	2 38	3 29	12 1	1 46	16 48	1 28	7 4	0 29	20 48	0 36	21 54	0 47	21 14	21 32	6 59		n.a.
M 4	9 50	2s27	5 7	12 55	0 57	7 17	0 59	2 37	3 28	12 4	1 46	16 49	1 28	7 5	0 29	20 49	0 36	21 54	0 47	21 15	21 32	7 1		n.a.
T 5	9 28	7 45	5 8	13 23	0 37	7 48	1 3	2 35	3 27	12 7	1 46	16 50	1 28	7 6	0 29	20 49	0 36	21 54	0 46	21 16	21 33	7 4		n.a.
W 6	9 5	12 34	4 49	13 46	0 18	8 18	1 7	2 34	3 26	12 10	1 46	16 51	1 28	7 7	0 29	20 49	0 36	21 55	0 46	21 16	21 34	7 6		n.a.
T 7	8 43	16 35	4 12	14 5	0n 0	8 49	1 11	2 32	3 25	12 13	1 46	16 52	1 27	7 8	0 29	20 49	0 36	21 55	0 46	21 17	21 34	7 8		n.a.
F 8	8 20	19 36	3 21	14 20	0 17	9 19	1 14	2 30	3 24	12 16	1 46	16 53	1 27	7 10	0 29	20 50	0 36	21 55	0 46	21 17	21 35	7 11		n.a.
S 9	7 58	21 25	2 20	14 30	0 33	9 50	1 18	2 27	3 23	12 19	1 46	16 55	1 27	7 11	0 29	20 50	0 36	21 55	0 46	21 16	21 35	7 13		n.a.
S 10	7 35	21 59	1 12	14 35	0 48	10 20	1 22	2 24	3 22	12 22	1 46	16 56	1 27	7 12	0 29	20 50	0 36	21 55	0 46	21 16	21 36	7 16		n.a.
M11	7 12	21 18	0 2	14 36	1 1	10 49	1 26	2 21	3 20	12 25	1 46	16 57	1 27	7 13	0 29	20 50	0 36	21 55	0 46	21 16	21 36	7 18		n.a.
T 12	6 49	19 29	1s 8	14 32	1 13	11 19	1 30	2 18	3 19	12 28	1 46	16 58	1 26	7 14	0 29	20 51	0 36	21 55	0 46	21 16	21 37	7 21		n.a.
W13	6 26	16 44	2 12	14 24	1 23	11 48	1 33	2 15	3 17	12 30	1 46	16 59	1 26	7 16	0 29	20 51	0 36	21 56	0 45	21 17	21 37	7 23		n.a.
T 14	6 3	13 14	3 9	14 12	1 32	12 17	1 37	2 11	3 16	12 33	1 46	17 1	1 26	7 17	0 29	20 51	0 36	21 56	0 45	21 18	21 38	7 25		n.a.
F 15	5 39	9 12	3 57	13 56	1 40	12 46	1 41	2 7	3 14	12 36	1 45	17 2	1 26	7 18	0 29	20 51	0 36	21 56	0 45	21 19	21 39	7 28		n.a.
S 16	5 16	4 51	4 32	13 36	1 46	13 14	1 44	2 3	3 12	12 38	1 45	17 3	1 26	7 19	0 29	20 52	0 36	21 56	0 45	21 21	21 39	7 30		n.a.
S 17	4 52	0 21	4 55	13 14	1 51	13 43	1 48	1 59	3 10	12 41	1 45	17 4	1 26	7 21	0 29	20 52	0 36	21 56	0 45	21 23	21 40	7 33		n.a.
M18	4 29	4n 6	5 5	12 48	1 55	14 11	1 52	1 54	3 8	12 44	1 45	17 6	1 25	7 22	0 29	20 52	0 36	21 56	0 45	21 25	21 40	7 35		n.a.
T 19	4 5	8 23	5 1	12 20	1 58	14 38	1 55	1 49	3 6	12 46	1 45	17 7	1 25	7 23	0 29	20 52	0 36	21 57	0 45	21 26	21 41	7 38		n.a.
W20	3 41	12 20	4 44	11 49	2 0	15 5	1 59	1 45	3 4	12 49	1 45	17 8	1 25	7 25	0 29	20 52	0 36	21 57	0 45	21 28	21 41	7 40		n.a.
T 21	3 17	15 49	4 15	11 16	2 1	15 32	2 3	1 39	3 2	12 51	1 45	17 10	1 25	7 26	0 29	20 53	0 36	21 57	0 45	21 29	21 42	7 42		n.a.
F 22	2 53	18 40	3 35	10 41	2 1	15 59	2 6	1 34	2 59	12 54	1 45	17 11	1 25	7 27	0 29	20 53	0 36	21 57	0 44	21 29	21 42	7 45		n.a.
S 23	2 29	20 46	2 45	10 4	2 1	16 25	2 10	1 29	2 57	12 56	1 45	17 12	1 24	7 29	0 29	20 53	0 36	21 57	0 44	21 30	21 43	7 47		n.a.
S 24	2 5	21 55	1 46	9 26	2 0	16 51	2 13	1 23	2 54	12 58	1 44	17 14	1 24	7 30	0 29	20 53	0 36	21 58	0 44	21 29	21 43	7 50		n.a.
M25	1 41	21 59	0 40	8 47	1 58	17 16	2 16	1 18	2 52	13 0	1 44	17 15	1 24	7 31	0 29	20 53	0 36	21 58	0 44	21 29	21 44	7 52		n.a.
T 26	1 17	20 52	0n30	8 6	1 55	17 41	2 20	1 12	2 49	13 3	1 44	17 17	1 24	7 33	0 29	20 54	0 36	21 58	0 44	21 29	21 45	7 55		n.a.
W27	0 53	18 32	1 40	7 25	1 52	18 6	2 23	1 6	2 46	13 5	1 44	17 18	1 24	7 34	0 29	20 54	0 36	21 58	0 44	21 30	21 45	7 57		n.a.
T 28	0 29	15 2	2 47	6 42	1 49	18 30	2 26	1 1	2 44	13 7	1 44	17 19	1 24	7 35	0 29	20 54	0 36	21 58	0 44	21 30	21 46	7 59		n.a.
F 29	0 4	10 32	3 45	5 59	1 45	18 53	2 29	0 55	2 41	13 9	1 44	17 21	1 23	7 37	0 29	20 54	0 36	21 59	0 44	21 32	21 46	8 2		n.a.
S 30	0s20	5n18	4n29	5n16	1n41	19s17	2s32	0n49	2s38	13s11	1s43	17s22	1n23	7s38	0n29	20s54	0s36	21s59	0n43	21n33	21n47	8n 4		n.a.

Julian Day Number = 1554381.5, Delta T = 04h28m35s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'19, Lahiri = -10°16'19 Julian Calendar 1 Sept. 458 BCE == Greg. Calendar 27 Aug. 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

OCTOBER 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 14 13	1♎49'52	12♎ 8	22♍23	17♏10	7°R40	0°R 2	22♏54	20♎29	0°R27	13♐24	24°R 2	22♋50	3♉34	n.a.	S 1
M 2	0 18 10	2°50'09	27°18	24° 3	18°17	7♈18	29♒57	22°59	20°33	0♒26	13°25	23♋51	22°47	3°40	n.a.	M 2
T 3	0 22 6	3°50'27	12♏21	25°42	19°25	6°56	29°51	23° 4	20°36	0°26	13°25	23°42	22°44	3°47	n.a.	T 3
W 4	0 26 3	4°50'48	27° 9	27°22	20°32	6°34	29°46	23°10	20°40	0°25	13°26	23°35	22°41	3°54	n.a.	W 4
T 5	0 29 59	5°51'10	11♐35	29° 1	21°40	6°13	29°41	23°15	20°43	0°25	13°27	23°30	22°38	4° 0	n.a.	T 5
F 6	0 33 56	6°51'33	25°37	0♎39	22°47	5°51	29°36	23°21	20°47	0°24	13°28	23°28	22°35	4° 7	n.a.	F 6
S 7	0 37 52	7°51'58	9♑15	2°18	23°54	5°30	29°31	23°26	20°51	0°24	13°29	23°D28	22°31	4°14	n.a.	S 7
S 8	0 41 49	8°52'25	22°30	3°56	25° 0	5° 8	29°27	23°32	20°54	0°23	13°31	23°R28	22°28	4°21	n.a.	S 8
M 9	0 45 46	9°52'53	5♒26	5°34	26° 7	4°47	29°22	23°37	20°58	0°23	13°32	23°27	22°25	4°27	n.a.	M 9
T 10	0 49 42	10°53'22	18° 6	7°11	27°13	4°27	29°18	23°43	21° 2	0°23	13°33	23°25	22°22	4°34	n.a.	T 10
W11	0 53 39	11°53'53	0♓34	8°49	28°19	4° 7	29°14	23°49	21° 6	0°23	13°34	23°20	22°19	4°41	n.a.	W11
T 12	0 57 35	12°54'25	12°51	10°26	29°25	3°47	29°10	23°55	21° 9	0°22	13°35	23°12	22°15	4°47	n.a.	T 12
F 13	1 1 32	13°54'59	25° 1	12° 2	0♐31	3°27	29° 6	24° 1	21°13	0°22	13°36	23° 1	22°12	4°54	n.a.	F 13
S 14	1 5 28	14°55'34	7♈ 5	13°38	1°37	3° 8	29° 3	24° 7	21°17	0°22	13°38	22°48	22° 9	5° 1	n.a.	S 14
S 15	1 9 25	15°56'11	19° 3	15°14	2°42	2°50	29° 0	24°13	21°20	0°22	13°39	22°33	22° 6	5° 8	n.a.	S 15
M16	1 13 21	16°56'50	0♉58	16°50	3°47	2°32	28°57	24°19	21°24	0°22	13°40	22°18	22° 3	5°14	n.a.	M16
T 17	1 17 18	17°57'30	12°50	18°25	4°52	2°15	28°54	24°25	21°28	0°22	13°41	22° 4	22° 0	5°21	n.a.	T 17
W18	1 21 15	18°58'12	24°41	20° 1	5°56	1°58	28°51	24°31	21°32	0°D22	13°43	21°53	21°56	5°28	n.a.	W18
T 19	1 25 11	19°58'55	6♊33	21°36	7° 1	1°42	28°49	24°37	21°35	0°22	13°44	21°44	21°53	5°34	n.a.	T 19
F 20	1 29 8	20°59'40	18°30	23°10	8° 5	1°27	28°46	24°43	21°39	0°22	13°45	21°38	21°50	5°41	n.a.	F 20
S 21	1 33 4	22° 0'27	0♋34	24°45	9° 9	1°13	28°44	24°49	21°43	0°22	13°47	21°34	21°47	5°48	n.a.	S 21
S 22	1 37 1	23° 1'16	12°52	26°19	10°12	0°59	28°42	24°56	21°47	0°22	13°48	21°33	21°44	5°55	n.a.	S 22
M23	1 40 57	24° 2'06	25°27	27°53	11°15	0°46	28°41	25° 2	21°50	0°22	13°50	21°33	21°41	6° 1	n.a.	M23
T 24	1 44 54	25° 2'58	8♌25	29°27	12°18	0°33	28°39	25° 8	21°54	0°22	13°51	21°33	21°37	6° 8	n.a.	T 24
W25	1 48 50	26° 3'51	21°50	1♏ 1	13°21	0°22	28°38	25°15	21°58	0°22	13°53	21°31	21°34	6°15	n.a.	W25
T 26	1 52 47	27° 4'46	5♍45	2°35	14°23	0°11	28°37	25°21	22° 1	0°23	13°54	21°27	21°31	6°22	n.a.	T 26
F 27	1 56 44	28° 5'42	20°10	4° 9	15°25	0° 1	28°36	25°28	22° 5	0°23	13°56	21°20	21°28	6°28	n.a.	F 27
S 28	2 0 40	29° 6'40	5♎ 1	5°42	16°27	29♓52	28°35	25°34	22° 9	0°23	13°57	21°10	21°25	6°35	n.a.	S 28
S 29	2 4 37	0♏ 7'39	20°13	7°15	17°28	29°43	28°35	25°41	22°13	0°24	13°59	20°59	21°21	6°42	n.a.	S 29
M30	2 8 33	1° 8'40	5♏34	8°49	18°29	29°36	28°35	25°47	22°16	0°24	14° 0	20°47	21°18	6°48	n.a.	M30
T 31	2 12 30	2♏ 9'41	20♏53	10♏22	19♐29	29♓29	28°D35	25♏54	22♎20	0♒24	14♐ 2	20♋37	21♋15	6♉55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	0s44	0s20	4n56	4n32	1n36	19s39	2s35	0n43	2s35	13s13	1s43	17s24	1n23	7s39	0n29	20s54	0s36	21s59	0n43	21n35	21n47	8n 7			n.a.
M 2	1 8	5 58	5 1	3 47	1 32	20 2	2 38	0 37	2 31	13 15	1 43	17 25	1 23	7 41	0 29	20 54	0 36	21 59	0 43	21 37	21 48	8 9			n.a.
T 3	1 33	11 12	4 46	3 3	1 26	20 24	2 41	0 31	2 28	13 16	1 43	17 27	1 23	7 42	0 29	20 54	0 36	22 0	0 43	21 38	21 48	8 12			n.a.
W 4	1 57	15 41	4 12	2 18	1 21	20 45	2 44	0 26	2 25	13 18	1 43	17 28	1 23	7 44	0 29	20 55	0 36	22 0	0 43	21 40	21 49	8 14			n.a.
T 5	2 21	19 7	3 23	1 33	1 15	21 6	2 47	0 20	2 22	13 20	1 43	17 30	1 22	7 45	0 29	20 55	0 36	22 0	0 43	21 40	21 49	8 16			n.a.
F 6	2 45	21 19	2 22	0 48	1 10	21 26	2 50	0 14	2 18	13 21	1 42	17 31	1 22	7 46	0 29	20 55	0 36	22 0	0 43	21 41	21 50	8 19			n.a.
S 7	3 10	22 11	1 15	0 3	1 4	21 46	2 52	0 9	2 15	13 23	1 42	17 33	1 22	7 48	0 29	20 55	0 36	22 1	0 43	21 41	21 50	8 21			n.a.
S 8	3 34	21 46	0 5	0s42	0 58	22 5	2 55	0 3	2 12	13 24	1 42	17 34	1 22	7 49	0 29	20 55	0 36	22 1	0 43	21 41	21 51	8 24			n.a.
M 9	3 58	20 10	1s 3	1 27	0 52	22 24	2 57	0s 2	2 8	13 25	1 42	17 36	1 22	7 51	0 29	20 55	0 36	22 1	0 42	21 41	21 51	8 26			n.a.
T 10	4 22	17 36	2 6	2 12	0 45	22 42	2 59	0 7	2 5	13 27	1 41	17 38	1 22	7 52	0 29	20 55	0 36	22 1	0 42	21 41	21 52	8 28			n.a.
W11	4 46	14 15	3 3	2 57	0 39	23 0	3 2	0 12	2 1	13 28	1 41	17 39	1 22	7 53	0 29	20 55	0 36	22 2	0 42	21 42	21 53	8 31			n.a.
T 12	5 10	10 20	3 49	3 41	0 32	23 17	3 4	0 17	1 58	13 29	1 41	17 41	1 21	7 55	0 29	20 55	0 36	22 2	0 42	21 44	21 53	8 33			n.a.
F 13	5 34	6 3	4 25	4 25	0 26	23 33	3 6	0 21	1 54	13 30	1 41	17 42	1 21	7 56	0 29	20 55	0 36	22 2	0 42	21 45	21 54	8 36			n.a.
S 14	5 57	1 34	4 48	5 9	0 19	23 49	3 8	0 26	1 51	13 31	1 40	17 44	1 21	7 58	0 29	20 55	0 36	22 2	0 42	21 48	21 54	8 38			n.a.
S 15	6 21	2n57	4 59	5 53	0 13	24 4	3 10	0 30	1 47	13 32	1 40	17 46	1 21	7 59	0 29	20 55	0 36	22 3	0 42	21 50	21 55	8 41			n.a.
M16	6 45	7 20	4 56	6 36	0 6	24 19	3 11	0 34	1 44	13 33	1 40	17 47	1 21	8 1	0 29	20 55	0 36	22 3	0 42	21 53	21 55	8 43			n.a.
T 17	7 8	11 27	4 40	7 19	0s 0	24 33	3 13	0 37	1 40	13 34	1 40	17 49	1 21	8 2	0 29	20 55	0 36	22 3	0 42	21 55	21 56	8 45			n.a.
W18	7 31	15 6	4 12	8 2	0 7	24 46	3 14	0 41	1 37	13 34	1 39	17 50	1 21	8 3	0 29	20 55	0 36	22 3	0 41	21 57	21 56	8 48			n.a.
T 19	7 55	18 11	3 34	8 44	0 13	24 59	3 16	0 44	1 33	13 35	1 39	17 52	1 20	8 5	0 29	20 55	0 36	22 4	0 41	21 58	21 57	8 50			n.a.
F 20	8 18	20 30	2 45	9 26	0 20	25 11	3 17	0 47	1 29	13 36	1 39	17 54	1 20	8 6	0 29	20 55	0 36	22 4	0 41	21 59	21 57	8 53			n.a.
S 21	8 41	21 56	1 48	10 7	0 26	25 22	3 18	0 49	1 26	13 36	1 39	17 55	1 20	8 8	0 29	20 55	0 36	22 4	0 41	22 0	21 58	8 55			n.a.
S 22	9 4	22 22	0 46	10 48	0 33	25 33	3 19	0 52	1 23	13 37	1 38	17 57	1 20	8 9	0 29	20 55	0 36	22 4	0 41	22 0	21 58	8 58			n.a.
M23	9 26	21 40	0n21	11 28	0 39	25 43	3 20	0 54	1 19	13 37	1 38	17 59	1 20	8 11	0 29	20 55	0 36	22 5	0 41	22 0	21 59	9 0			n.a.
T 24	9 49	19 48	1 28	12 8	0 45	25 52	3 21	0 56	1 16	13 37	1 38	18 0	1 20	8 12	0 29	20 55	0 36	22 5	0 41	22 0	21 59	9 2			n.a.
W25	10 12	16 49	2 33	12 47	0 51	26 1	3 21	0 57	1 12	13 37	1 38	18 2	1 20	8 13	0 29	20 55	0 36	22 5	0 41	22 0	22 0	9 5			n.a.
T 26	10 34	12 47	3 31	13 25	0 57	26 9	3 22	0 59	1 9	13 37	1 37	18 4	1 20	8 15	0 29	20 55	0 36	22 6	0 41	22 1	22 0	9 7			n.a.
F 27	10 56	7 53	4 18	14 3	1 3	26 17	3 22	1 0	1 6	13 38	1 37	18 5	1 19	8 16	0 29	20 55	0 36	22 6	0 40	22 2	22 1	9 10			n.a.
S 28	11 18	2 23	4 49	14 41	1 9	26 24	3 22	1 0	1 2	13 37	1 37	18 7	1 19	8 18	0 29	20 55	0 36	22 6	0 40	22 4	22 1	9 12			n.a.
S 29	11 40	3s22	5 0	15 17	1 15	26 30	3 22	1 1	0 59	13 37	1 36	18 9	1 19	8 19	0 29	20 55	0 36	22 7	0 40	22 5	22 2	9 14			n.a.
M30	12 1	8 59	4 51	15 53	1 20	26 35	3 22	1 1	0 56	13 37	1 36	18 10	1 19	8 20	0 29	20 55	0 36	22 7	0 40	22 7	22 2	9 17			n.a.
T 31	12s23	14s 2	4n20	16s28	1s26	26s40	3s21	1s 1	0s53	13s37	1s36	18s12	1n19	8s22	0n29	20s54	0s36	22s 7	0n40	22n 9	22n 3	9n19			n.a.

Julian Day Number = 1554411.5, Delta T = 04h28m34s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'15, Lahiri = -10°16'14 Julian Calendar 1 Oct. 458 BCE == Greg. Calendar 26 Sept. 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

NOVEMBER 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 16 26	3♏10'44	5♐59	11♏55	20♐29	29°R23	28♒35	26♏ 1	22♎24	0♒25	14♐ 4	20°R28	21♋12	7♉ 2	n.a.	W 1
T 2	2 20 23	4°11'47	20°42	13°29	21°29	29♓18	28°35	26° 7	22°27	0°25	14° 5	20♋23	21° 9	7° 9	n.a.	T 2
F 3	2 24 19	5°12'51	4♑57	15° 2	22°28	29°14	28°36	26°14	22°31	0°26	14° 7	20°20	21° 6	7°15	n.a.	F 3
S 4	2 28 16	6°13'56	18°44	16°35	23°27	29°10	28°37	26°21	22°35	0°26	14° 9	20°D19	21° 2	7°22	n.a.	S 4
S 5	2 32 13	7°15'02	2♒ 4	18° 8	24°25	29° 8	28°38	26°27	22°38	0°27	14°10	20°R19	20°59	7°29	n.a.	S 5
M 6	2 36 9	8°16'08	14°59	19°40	25°23	29° 6	28°39	26°34	22°42	0°28	14°12	20°19	20°56	7°35	n.a.	M 6
T 7	2 40 6	9°17'15	27°35	21°13	26°20	29° 5	28°40	26°41	22°46	0°28	14°14	20°17	20°53	7°42	n.a.	T 7
W 8	2 44 2	10°18'22	9♓56	22°46	27°17	29°D 5	28°42	26°48	22°49	0°29	14°15	20°14	20°50	7°49	n.a.	W 8
T 9	2 47 59	11°19'30	22° 5	24°18	28°13	29° 6	28°44	26°55	22°53	0°30	14°17	20° 7	20°46	7°56	n.a.	T 9
F 10	2 51 55	12°20'38	4♈ 6	25°50	29° 9	29° 7	28°46	27° 2	22°57	0°30	14°19	19°57	20°43	8° 2	n.a.	F 10
S 11	2 55 52	13°21'47	16° 2	27°22	0♑ 4	29° 9	28°48	27° 8	23° 0	0°31	14°21	19°46	20°40	8° 9	n.a.	S 11
S 12	2 59 48	14°22'56	27°55	28°54	0°58	29°12	28°51	27°15	23° 4	0°32	14°23	19°33	20°37	8°16	n.a.	S 12
M13	3 3 45	15°24'06	9♉48	0♐25	1°52	29°16	28°53	27°22	23° 7	0°33	14°24	19°19	20°34	8°22	n.a.	M13
T 14	3 7 42	16°25'17	21°40	1°56	2°45	29°20	28°56	27°29	23°11	0°34	14°26	19° 7	20°31	8°29	n.a.	T 14
W15	3 11 38	17°26'28	3♊35	3°26	3°38	29°25	28°59	27°36	23°14	0°35	14°28	18°57	20°27	8°36	n.a.	W15
T 16	3 15 35	18°27'40	15°32	4°55	4°29	29°31	29° 2	27°43	23°18	0°36	14°30	18°49	20°24	8°43	n.a.	T 16
F 17	3 19 31	19°28'53	27°34	6°24	5°20	29°38	29° 6	27°50	23°21	0°37	14°32	18°44	20°21	8°49	n.a.	F 17
S 18	3 23 28	20°30'06	9♋44	7°51	6°10	29°45	29° 9	27°57	23°25	0°38	14°34	18°41	20°18	8°56	n.a.	S 18
S 19	3 27 24	21°31'19	22° 6	9°17	6°59	29°53	29°13	28° 4	23°28	0°39	14°36	18°D41	20°15	9° 3	n.a.	S 19
M20	3 31 21	22°32'34	4♌41	10°42	7°48	0♈ 2	29°17	28°11	23°31	0°40	14°38	18°42	20°12	9° 9	n.a.	M20
T 21	3 35 18	23°33'49	17°36	12° 5	8°35	0°11	29°22	28°18	23°35	0°41	14°40	18°R43	20° 8	9°16	n.a.	T 21
W22	3 39 14	24°35'04	0♍54	13°25	9°22	0°21	29°26	28°25	23°38	0°42	14°41	18°43	20° 5	9°23	n.a.	W22
T 23	3 43 11	25°36'20	14°37	14°44	10° 7	0°31	29°31	28°32	23°42	0°43	14°43	18°41	20° 2	9°30	n.a.	T 23
F 24	3 47 7	26°37'37	28°47	15°59	10°52	0°43	29°35	28°39	23°45	0°44	14°45	18°37	19°59	9°36	n.a.	F 24
S 25	3 51 4	27°38'54	13♎24	17°10	11°36	0°54	29°40	28°46	23°48	0°46	14°47	18°31	19°56	9°43	n.a.	S 25
S 26	3 55 0	28°40'11	28°22	18°18	12°18	1° 7	29°45	28°53	23°51	0°47	14°49	18°23	19°52	9°50	n.a.	S 26
M27	3 58 57	29°41'29	13♏34	19°21	13° 0	1°20	29°51	29° 0	23°55	0°48	14°51	18°15	19°49	9°56	n.a.	M27
T 28	4 2 53	0♐42'47	28°49	20°18	13°40	1°33	29°56	29° 7	23°58	0°50	14°53	18° 8	19°46	10° 3	n.a.	T 28
W29	4 6 50	1°44'04	13♐57	21° 9	14°19	1°47	0♓ 2	29°14	24° 1	0°51	14°55	18° 2	19°43	10°10	n.a.	W29
T 30	4 10 47	2♐45'22	28♐47	21♐53	14♑56	2♈ 2	0♓ 8	29♏21	24♎ 4	0♒52	14♐57	17♋58	19♋40	10♉17	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s44	18s 7	3n32	17s 3	1s31	26s44	3s21	1s 0	0s50	13s37	1s36	18s14	1n19	8s23	0n29	20s54	0s36	22s 7	0n40	22n10	22n 3	9n22		n.a.
T 2	13 5	20 56	2 30	17 36	1 36	26 48	3 20	1 0	0 47	13 36	1 35	18 15	1 19	8 25	0 29	20 54	0 36	22 8	0 40	22 11	22 4	9 24		n.a.
F 3	13 26	22 19	1 20	18 9	1 40	26 51	3 19	0 59	0 44	13 36	1 35	18 17	1 19	8 26	0 29	20 54	0 36	22 8	0 40	22 11	22 4	9 26		n.a.
S 4	13 46	22 17	0 8	18 41	1 45	26 53	3 18	0 57	0 41	13 35	1 35	18 19	1 19	8 27	0 29	20 54	0 36	22 8	0 40	22 11	22 5	9 29		n.a.
S 5	14 7	20 58	1s 2	19 12	1 49	26 55	3 17	0 56	0 38	13 34	1 34	18 21	1 19	8 29	0 29	20 54	0 36	22 9	0 39	22 11	22 5	9 31		n.a.
M 6	14 27	18 34	2 7	19 42	1 53	26 55	3 15	0 54	0 35	13 34	1 34	18 22	1 18	8 30	0 29	20 54	0 36	22 9	0 39	22 11	22 6	9 34		n.a.
T 7	14 46	15 20	3 4	20 11	1 57	26 56	3 14	0 51	0 32	13 33	1 34	18 24	1 18	8 31	0 29	20 54	0 36	22 9	0 39	22 12	22 6	9 36		n.a.
W 8	15 6	11 30	3 51	20 39	2 1	26 55	3 12	0 49	0 29	13 32	1 33	18 26	1 18	8 33	0 29	20 53	0 36	22 10	0 39	22 12	22 7	9 38		n.a.
T 9	15 25	7 16	4 27	21 5	2 4	26 54	3 10	0 46	0 26	13 31	1 33	18 27	1 18	8 34	0 29	20 53	0 36	22 10	0 39	22 13	22 7	9 41		n.a.
F 10	15 44	2 47	4 51	21 31	2 7	26 53	3 8	0 43	0 24	13 30	1 33	18 29	1 18	8 36	0 29	20 53	0 36	22 10	0 39	22 15	22 8	9 43		n.a.
S 11	16 3	1n46	5 1	21 55	2 9	26 50	3 5	0 40	0 21	13 29	1 33	18 31	1 18	8 37	0 29	20 53	0 36	22 10	0 39	22 16	22 8	9 46		n.a.
S 12	16 22	6 14	4 59	22 18	2 11	26 48	3 3	0 36	0 19	13 28	1 32	18 32	1 18	8 38	0 29	20 53	0 36	22 11	0 39	22 18	22 9	9 48		n.a.
M13	16 40	10 28	4 43	22 40	2 13	26 44	3 0	0 33	0 16	13 27	1 32	18 34	1 18	8 39	0 29	20 53	0 36	22 11	0 39	22 20	22 9	9 50		n.a.
T 14	16 58	14 18	4 15	23 0	2 14	26 40	2 57	0 29	0 14	13 25	1 32	18 36	1 18	8 41	0 29	20 52	0 36	22 11	0 39	22 22	22 10	9 53		n.a.
W15	17 15	17 36	3 36	23 19	2 15	26 35	2 53	0 24	0 11	13 24	1 31	18 37	1 18	8 42	0 29	20 52	0 36	22 12	0 38	22 23	22 10	9 55		n.a.
T 16	17 33	20 11	2 47	23 37	2 15	26 30	2 50	0 20	0 9	13 23	1 31	18 39	1 18	8 43	0 29	20 52	0 36	22 12	0 38	22 25	22 11	9 58		n.a.
F 17	17 50	21 53	1 50	23 52	2 15	26 24	2 46	0 15	0 7	13 21	1 31	18 41	1 17	8 45	0 29	20 52	0 36	22 12	0 38	22 25	22 11	10 0		n.a.
S 18	18 6	22 36	0 48	24 7	2 14	26 18	2 42	0 10	0 4	13 20	1 31	18 42	1 17	8 46	0 29	20 51	0 36	22 13	0 38	22 26	22 12	10 2		n.a.
S 19	18 23	22 13	0n18	24 19	2 13	26 11	2 38	0 5	0 2	13 18	1 30	18 44	1 17	8 47	0 29	20 51	0 36	22 13	0 38	22 26	22 12	10 5		n.a.
M20	18 39	20 43	1 25	24 30	2 11	26 4	2 33	0n 1	0n 0	13 16	1 30	18 46	1 17	8 49	0 29	20 51	0 36	22 13	0 38	22 26	22 13	10 7		n.a.
T 21	18 54	18 7	2 29	24 39	2 8	25 56	2 28	0 6	0 2	13 15	1 30	18 47	1 17	8 50	0 29	20 51	0 36	22 14	0 38	22 25	22 13	10 10		n.a.
W22	19 10	14 31	3 27	24 45	2 4	25 48	2 23	0 12	0 4	13 13	1 29	18 49	1 17	8 51	0 29	20 50	0 36	22 14	0 38	22 25	22 14	10 12		n.a.
T 23	19 25	10 2	4 15	24 51	2 0	25 39	2 18	0 18	0 6	13 11	1 29	18 50	1 17	8 52	0 29	20 50	0 36	22 14	0 38	22 26	22 14	10 14		n.a.
F 24	19 39	4 54	4 49	24 54	1 54	25 30	2 12	0 25	0 8	13 9	1 29	18 52	1 17	8 54	0 29	20 50	0 36	22 15	0 38	22 26	22 14	10 17		n.a.
S 25	19 53	0s40	5 6	24 55	1 48	25 20	2 7	0 31	0 10	13 7	1 29	18 54	1 17	8 55	0 29	20 50	0 36	22 15	0 37	22 27	22 15	10 19		n.a.
S 26	20 7	6 20	5 2	24 54	1 40	25 10	2 0	0 38	0 12	13 5	1 28	18 55	1 17	8 56	0 29	20 49	0 36	22 15	0 37	22 28	22 15	10 22		n.a.
M27	20 21	11 42	4 38	24 51	1 32	25 0	1 54	0 45	0 14	13 3	1 28	18 57	1 17	8 57	0 29	20 49	0 36	22 16	0 37	22 29	22 16	10 24		n.a.
T 28	20 34	16 22	3 53	24 46	1 22	24 49	1 47	0 52	0 16	13 0	1 28	18 58	1 17	8 58	0 29	20 49	0 36	22 16	0 37	22 30	22 16	10 26		n.a.
W29	20 47	19 54	2 53	24 38	1 12	24 38	1 40	0 59	0 17	12 58	1 27	19 0	1 17	8 59	0 29	20 48	0 36	22 16	0 37	22 31	22 17	10 29		n.a.
T 30	20s59	22s 3	1n42	24s29	1s 0	24s26	1s33	1n 7	0n19	12s56	1s27	19s 2	1n17	9s 1	0n29	20s48	0s36	22s17	0n37	22n32	22n17	10n31		n.a.

Julian Day Number = 1554442.5, Delta T = 04h28m33s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'11, Lahiri = -10°16'10 Julian Calendar 1 Nov. 458 BCE == Greg. Calendar 27 Oct. 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 458 BCE
geocentric

DECEMBER 458 BCE (-457) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 14 43	3♐46'40	13♑14	22♐29	15♑33	2♈17	0♓14	29♏28	24♎ 7	0♒54	14♐59	17°D57	19♋37	10♉23	n.a.	F 1
S 2	4 18 40	4°47'57	27°12	22°56	16° 8	2°32	0°20	29°35	24°10	0°55	15° 1	17♋57	19°33	10°30	n.a.	S 2
S 3	4 22 36	5°49'14	10♒42	23°13	16°41	2°49	0°26	29°42	24°13	0°57	15° 3	17°58	19°30	10°37	n.a.	S 3
M 4	4 26 33	6°50'30	23°45	23°R20	17°13	3° 5	0°33	29°49	24°16	0°58	15° 5	18° 0	19°27	10°44	n.a.	M 4
T 5	4 30 29	7°51'46	6♓26	23°15	17°44	3°22	0°40	29°56	24°19	1° 0	15° 7	18°R 0	19°24	10°50	n.a.	T 5
W 6	4 34 26	8°53'01	18°48	22°58	18°12	3°40	0°47	0♐ 3	24°22	1° 1	15° 9	18° 0	19°21	10°57	n.a.	W 6
T 7	4 38 22	9°54'16	0♈56	22°30	18°40	3°58	0°54	0°10	24°25	1° 3	15°11	17°57	19°18	11° 4	n.a.	T 7
F 8	4 42 19	10°55'30	12°54	21°50	19° 5	4°16	1° 1	0°17	24°28	1° 4	15°14	17°53	19°14	11°10	n.a.	F 8
S 9	4 46 16	11°56'43	24°47	20°59	19°28	4°35	1° 8	0°24	24°31	1° 6	15°16	17°48	19°11	11°17	n.a.	S 9
S 10	4 50 12	12°57'56	6♉38	19°58	19°50	4°55	1°16	0°31	24°34	1° 8	15°18	17°41	19° 8	11°24	n.a.	S 10
M11	4 54 9	13°59'08	18°30	18°50	20°10	5°14	1°23	0°38	24°36	1° 9	15°20	17°35	19° 5	11°30	n.a.	M11
T 12	4 58 5	15° 0'20	0♊25	17°35	20°27	5°35	1°31	0°45	24°39	1°11	15°22	17°28	19° 2	11°37	n.a.	T 12
W13	5 2 2	16° 1'31	12°25	16°17	20°43	5°55	1°39	0°52	24°42	1°13	15°24	17°23	18°58	11°44	n.a.	W13
T 14	5 5 58	17° 2'41	24°32	14°58	20°56	6°16	1°47	0°59	24°45	1°14	15°26	17°19	18°55	11°51	n.a.	T 14
F 15	5 9 55	18° 3'51	6♋46	13°40	21° 7	6°37	1°55	1° 6	24°47	1°16	15°28	17°17	18°52	11°57	n.a.	F 15
S 16	5 13 52	19° 5'00	19°10	12°26	21°16	6°59	2° 4	1°12	24°50	1°18	15°30	17°D17	18°49	12° 4	n.a.	S 16
S 17	5 17 48	20° 6'09	1♌45	11°18	21°22	7°21	2°12	1°19	24°52	1°20	15°32	17°18	18°46	12°11	n.a.	S 17
M18	5 21 45	21° 7'17	14°32	10°17	21°26	7°43	2°21	1°26	24°55	1°22	15°34	17°19	18°43	12°17	n.a.	M18
T 19	5 25 41	22° 8'25	27°35	9°24	21°R28	8° 6	2°30	1°33	24°57	1°23	15°36	17°21	18°39	12°24	n.a.	T 19
W20	5 29 38	23° 9'32	10♍55	8°40	21°27	8°29	2°39	1°39	25° 0	1°25	15°38	17°22	18°36	12°31	n.a.	W20
T 21	5 33 34	24°10'38	24°34	8° 5	21°24	8°52	2°48	1°46	25° 2	1°27	15°40	17°R23	18°33	12°38	n.a.	T 21
F 22	5 37 31	25°11'44	8♎33	7°40	21°18	9°16	2°57	1°53	25° 4	1°29	15°42	17°22	18°30	12°44	n.a.	F 22
S 23	5 41 27	26°12'49	22°51	7°23	21°10	9°40	3° 7	1°59	25° 7	1°31	15°44	17°20	18°27	12°51	n.a.	S 23
S 24	5 45 24	27°13'53	7♏26	7°D16	20°59	10° 4	3°16	2° 6	25° 9	1°33	15°46	17°18	18°24	12°58	n.a.	S 24
M25	5 49 21	28°14'57	22°13	7°16	20°46	10°29	3°26	2°13	25°11	1°35	15°48	17°15	18°20	13° 4	n.a.	M25
T 26	5 53 17	29°16'00	7♐ 6	7°24	20°30	10°53	3°35	2°19	25°13	1°37	15°50	17°13	18°17	13°11	n.a.	T 26
W27	5 57 14	0♑17'02	21°57	7°39	20°12	11°19	3°45	2°26	25°15	1°39	15°52	17°11	18°14	13°18	n.a.	W27
T 28	6 1 10	1°18'03	6♑37	8° 1	19°51	11°44	3°55	2°32	25°17	1°41	15°54	17°10	18°11	13°25	n.a.	T 28
F 29	6 5 7	2°19'03	20°59	8°29	19°28	12°10	4° 5	2°39	25°19	1°43	15°56	17°D10	18° 8	13°31	n.a.	F 29
S 30	6 9 3	3°20'02	5♒ 0	9° 2	19° 3	12°35	4°16	2°45	25°21	1°45	15°58	17°10	18° 4	13°38	n.a.	S 30
S 31	6 13 0	4♑20'59	18♒35	9♐40	18♑36	13♈ 2	4♓26	2♐51	25♎23	1♒47	16♐ 0	17♋11	18♋ 1	13♉45	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s11	22s40	0n26	24s18	0s46	24s14	1s25	1n14	0n21	12s53	1s27	19s 3	1n17	9s 2	0n29	20s48	0s36	22s17	0n37	22n32	22n18	10n34		n.a.
S 2	21 22	21 48	0s50	24 5	0 32	24 2	1 17	1 22	0 22	12 51	1 27	19 5	1 16	9 3	0 29	20 47	0 36	22 17	0 37	22 32	22 18	10 36		n.a.
S 3	21 33	19 42	2 0	23 50	0 16	23 49	1 8	1 30	0 24	12 48	1 26	19 6	1 16	9 4	0 29	20 47	0 36	22 18	0 37	22 32	22 19	10 38		n.a.
M 4	21 44	16 38	3 2	23 34	0n 1	23 37	1 0	1 38	0 26	12 46	1 26	19 8	1 16	9 5	0 29	20 47	0 36	22 18	0 37	22 31	22 19	10 41		n.a.
T 5	21 54	12 52	3 53	23 16	0 19	23 24	0 51	1 46	0 27	12 43	1 26	19 9	1 16	9 6	0 29	20 46	0 36	22 18	0 36	22 31	22 20	10 43		n.a.
W 6	22 4	8 38	4 31	22 56	0 38	23 11	0 41	1 55	0 29	12 40	1 26	19 11	1 16	9 7	0 29	20 46	0 36	22 19	0 36	22 31	22 20	10 45		n.a.
T 7	22 13	4 10	4 57	22 35	0 57	22 57	0 32	2 3	0 30	12 37	1 25	19 13	1 16	9 8	0 29	20 46	0 36	22 19	0 36	22 32	22 20	10 48		n.a.
F 8	22 22	0n25	5 9	22 13	1 17	22 44	0 22	2 12	0 32	12 35	1 25	19 14	1 16	9 9	0 29	20 45	0 36	22 19	0 36	22 32	22 21	10 50		n.a.
S 9	22 31	4 57	5 8	21 50	1 36	22 30	0 11	2 21	0 33	12 32	1 25	19 16	1 16	9 11	0 29	20 45	0 36	22 19	0 36	22 33	22 21	10 53		n.a.
S 10	22 39	9 17	4 54	21 27	1 55	22 16	0 0	2 30	0 34	12 29	1 25	19 17	1 16	9 12	0 29	20 45	0 36	22 20	0 36	22 34	22 22	10 55		n.a.
M11	22 46	13 17	4 27	21 3	2 13	22 2	0n11	2 39	0 36	12 26	1 24	19 18	1 16	9 13	0 29	20 44	0 36	22 20	0 36	22 35	22 22	10 57		n.a.
T 12	22 54	16 47	3 48	20 40	2 30	21 48	0 22	2 48	0 37	12 23	1 24	19 20	1 16	9 14	0 29	20 44	0 36	22 20	0 36	22 35	22 23	11 0		n.a.
W13	23 0	19 37	2 59	20 18	2 45	21 34	0 34	2 58	0 38	12 20	1 24	19 21	1 16	9 15	0 29	20 44	0 36	22 21	0 36	22 36	22 23	11 2		n.a.
T 14	23 7	21 37	2 1	19 56	2 58	21 20	0 46	3 7	0 39	12 16	1 24	19 23	1 16	9 16	0 29	20 43	0 36	22 21	0 36	22 37	22 24	11 5		n.a.
F 15	23 12	22 37	0 57	19 37	3 9	21 6	0 59	3 17	0 41	12 13	1 23	19 24	1 16	9 16	0 29	20 43	0 36	22 21	0 36	22 37	22 24	11 7		n.a.
S 16	23 18	22 32	0n10	19 20	3 17	20 52	1 12	3 27	0 42	12 10	1 23	19 26	1 16	9 17	0 29	20 42	0 36	22 22	0 35	22 37	22 25	11 9		n.a.
S 17	23 22	21 18	1 19	19 5	3 23	20 38	1 25	3 37	0 43	12 7	1 23	19 27	1 16	9 18	0 29	20 42	0 36	22 22	0 35	22 37	22 25	11 12		n.a.
M18	23 27	18 59	2 24	18 53	3 26	20 24	1 39	3 47	0 44	12 3	1 23	19 29	1 16	9 19	0 29	20 42	0 36	22 22	0 35	22 37	22 25	11 14		n.a.
T 19	23 31	15 39	3 24	18 44	3 27	20 10	1 52	3 57	0 45	12 0	1 22	19 30	1 16	9 20	0 29	20 41	0 36	22 23	0 35	22 36	22 26	11 16		n.a.
W20	23 34	11 28	4 14	18 38	3 26	19 56	2 6	4 7	0 46	11 56	1 22	19 31	1 16	9 21	0 29	20 41	0 36	22 23	0 35	22 36	22 26	11 19		n.a.
T 21	23 37	6 37	4 50	18 36	3 24	19 42	2 21	4 17	0 47	11 53	1 22	19 33	1 16	9 22	0 29	20 40	0 36	22 23	0 35	22 36	22 27	11 21		n.a.
F 22	23 40	1 20	5 11	18 36	3 19	19 29	2 35	4 27	0 48	11 49	1 22	19 34	1 16	9 23	0 29	20 40	0 36	22 24	0 35	22 36	22 27	11 23		n.a.
S 23	23 42	4s 9	5 14	18 38	3 14	19 16	2 50	4 38	0 49	11 46	1 21	19 35	1 16	9 24	0 29	20 39	0 36	22 24	0 35	22 37	22 28	11 26		n.a.
S 24	23 43	9 31	4 56	18 43	3 7	19 3	3 5	4 48	0 50	11 42	1 21	19 37	1 16	9 24	0 29	20 39	0 36	22 24	0 35	22 37	22 28	11 28		n.a.
M25	23 44	14 24	4 19	18 51	3 0	18 50	3 20	4 59	0 51	11 38	1 21	19 38	1 16	9 25	0 29	20 39	0 36	22 24	0 35	22 37	22 29	11 31		n.a.
T 26	23 45	18 26	3 24	19 0	2 52	18 37	3 35	5 10	0 52	11 34	1 21	19 39	1 16	9 26	0 29	20 38	0 36	22 25	0 35	22 37	22 29	11 33		n.a.
W27	23 45	21 15	2 15	19 11	2 43	18 25	3 50	5 20	0 53	11 30	1 21	19 41	1 16	9 27	0 29	20 38	0 36	22 25	0 34	22 38	22 29	11 35		n.a.
T 28	23 45	22 37	0 58	19 24	2 34	18 13	4 5	5 31	0 54	11 27	1 20	19 42	1 16	9 27	0 29	20 37	0 36	22 25	0 34	22 38	22 30	11 38		n.a.
F 29	23 44	22 26	0s21	19 38	2 24	18 1	4 20	5 42	0 55	11 23	1 20	19 43	1 16	9 28	0 29	20 37	0 36	22 26	0 34	22 38	22 30	11 40		n.a.
S 30	23 42	20 50	1 37	19 53	2 14	17 50	4 35	5 53	0 56	11 19	1 20	19 45	1 16	9 29	0 29	20 36	0 36	22 26	0 34	22 38	22 31	11 42		n.a.
S 31	23s41	18s 4	2s45	20s 8	2n 4	17s39	4n50	6n 4	0n56	11s15	1s20	19s46	1n16	9s30	0n29	20s36	0s36	22s26	0n34	22n38	22n31	11n45		n.a.

Julian Day Number = 1554472.5, Delta T = 04h28m32s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'07, Lahiri = -10°16'06 Julian Calendar 1 Dec. 458 BCE == Greg. Calendar 26 Nov. 458 BCE

The year -457 astronomical counting style corresponds to year 458 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

JANUARY 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 16 56	5♑21'55	1♓46	10♐23	18°R 7	13♈28	4♓37	2♐58	25♎25	1♒49	16♐ 2	17♋12	17♋58	13♉51	n.a.	M 1
T 2	6 20 53	6°22'49	14°33	11°10	17♑36	13°55	4°47	3° 4	25°27	1°51	16° 4	17°13	17°55	13°58	n.a.	T 2
W 3	6 24 50	7°23'41	27° 1	12° 1	17° 3	14°21	4°58	3°10	25°29	1°53	16° 6	17°14	17°52	14° 5	n.a.	W 3
T 4	6 28 46	8°24'32	9♈12	12°55	16°29	14°49	5° 9	3°16	25°30	1°55	16° 8	17°R14	17°49	14°12	n.a.	T 4
F 5	6 32 43	9°25'21	21°12	13°52	15°54	15°16	5°19	3°23	25°32	1°58	16°10	17°14	17°45	14°18	n.a.	F 5
S 6	6 36 39	10°26'09	3♉ 5	14°52	15°18	15°43	5°30	3°29	25°34	2° 0	16°12	17°14	17°42	14°25	n.a.	S 6
S 7	6 40 36	11°26'55	14°56	15°55	14°41	16°11	5°42	3°35	25°35	2° 2	16°14	17°13	17°39	14°32	n.a.	S 7
M 8	6 44 32	12°27'40	26°49	17° 0	14° 4	16°39	5°53	3°41	25°37	2° 4	16°15	17°12	17°36	14°38	n.a.	M 8
T 9	6 48 29	13°28'22	8♊47	18° 7	13°26	17° 7	6° 4	3°47	25°38	2° 6	16°17	17°11	17°33	14°45	n.a.	T 9
W10	6 52 25	14°29'03	20°54	19°17	12°49	17°36	6°15	3°53	25°40	2° 8	16°19	17°11	17°30	14°52	n.a.	W10
T 11	6 56 22	15°29'43	3♋11	20°28	12°12	18° 4	6°27	3°59	25°41	2°11	16°21	17°11	17°26	14°59	n.a.	T 11
F 12	7 0 19	16°30'21	15°40	21°41	11°35	18°33	6°39	4° 4	25°42	2°13	16°23	17°D11	17°23	15° 5	n.a.	F 12
S 13	7 4 15	17°30'57	28°23	22°56	10°59	19° 2	6°50	4°10	25°43	2°15	16°25	17°R11	17°20	15°12	n.a.	S 13
S 14	7 8 12	18°31'32	11♌19	24°13	10°25	19°31	7° 2	4°16	25°45	2°17	16°26	17°11	17°17	15°19	n.a.	S 14
M15	7 12 8	19°32'05	24°29	25°30	9°51	20° 0	7°14	4°21	25°46	2°19	16°28	17°11	17°14	15°25	n.a.	M15
T 16	7 16 5	20°32'36	7♍52	26°50	9°19	20°29	7°26	4°27	25°47	2°22	16°30	17°10	17°10	15°32	n.a.	T 16
W17	7 20 1	21°33'06	21°27	28°11	8°49	20°59	7°38	4°33	25°48	2°24	16°32	17°10	17° 7	15°39	n.a.	W17
T 18	7 23 58	22°33'35	5♎15	29°33	8°21	21°28	7°50	4°38	25°49	2°26	16°33	17° 9	17° 4	15°46	n.a.	T 18
F 19	7 27 54	23°34'02	19°14	0♑56	7°55	21°58	8° 2	4°44	25°50	2°28	16°35	17°D 9	17° 1	15°52	n.a.	F 19
S 20	7 31 51	24°34'28	3♏22	2°20	7°31	22°28	8°14	4°49	25°51	2°31	16°37	17° 9	16°58	15°59	n.a.	S 20
S 21	7 35 48	25°34'52	17°39	3°46	7° 9	22°58	8°27	4°54	25°52	2°33	16°39	17°10	16°55	16° 6	n.a.	S 21
M22	7 39 44	26°35'15	2♐ 1	5°13	6°49	23°29	8°39	4°59	25°52	2°35	16°40	17°10	16°51	16°12	n.a.	M22
T 23	7 43 41	27°35'36	16°25	6°41	6°32	23°59	8°52	5° 5	25°53	2°37	16°42	17°11	16°48	16°19	n.a.	T 23
W24	7 47 37	28°35'56	0♑46	8°10	6°17	24°30	9° 4	5°10	25°54	2°40	16°44	17°12	16°45	16°26	n.a.	W24
T 25	7 51 34	29°36'14	15° 1	9°40	6° 5	25° 0	9°17	5°15	25°54	2°42	16°45	17°R12	16°42	16°32	n.a.	T 25
F 26	7 55 30	0♒36'30	29° 5	11°11	5°55	25°31	9°29	5°20	25°55	2°44	16°47	17°12	16°39	16°39	n.a.	F 26
S 27	7 59 27	1°36'44	12♒52	12°43	5°48	26° 2	9°42	5°25	25°55	2°47	16°48	17°11	16°36	16°46	n.a.	S 27
S 28	8 3 24	2°36'56	26°22	14°16	5°43	26°33	9°55	5°30	25°56	2°49	16°50	17° 9	16°32	16°53	n.a.	S 28
M29	8 7 20	3°37'06	9♓31	15°51	5°D40	27° 5	10° 8	5°34	25°56	2°51	16°51	17° 7	16°29	16°59	n.a.	M29
T 30	8 11 17	4°37'14	22°20	17°26	5°40	27°36	10°21	5°39	25°57	2°53	16°53	17° 4	16°26	17° 6	n.a.	T 30
W31	8 15 13	5♒37'20	4♈50	19♑ 3	5♑43	28♈ 7	10♓34	5♐44	25♎57	2♒56	16♐54	17♋ 2	16♋23	17♉13	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23s38	14s26	3s43	20s25	1n54	17s29	5n 4	6n16	0n57	11s11	1s20	19s47	1n16	9s30	0n29	20s35	0s36	22s27	0n34	22n38	22n32	11n47			n.a.
T 2	23 36	10 15	4 27	20 41	1 44	17 19	5 18	6 27	0 58	11 6	1 19	19 48	1 16	9 31	0 29	20 35	0 36	22 27	0 34	22 37	22 32	11 49			n.a.
W 3	23 32	5 44	4 58	20 58	1 34	17 10	5 32	6 38	0 59	11 2	1 19	19 49	1 16	9 32	0 29	20 34	0 36	22 27	0 34	22 37	22 32	11 52			n.a.
T 4	23 29	1 6	5 14	21 15	1 24	17 1	5 45	6 49	1 0	10 58	1 19	19 51	1 16	9 32	0 29	20 34	0 36	22 27	0 34	22 37	22 33	11 54			n.a.
F 5	23 25	3n30	5 16	21 32	1 14	16 52	5 58	7 1	1 0	10 54	1 19	19 52	1 16	9 33	0 29	20 33	0 36	22 28	0 34	22 37	22 33	11 56			n.a.
S 6	23 20	7 56	5 5	21 49	1 4	16 44	6 10	7 12	1 1	10 50	1 19	19 53	1 16	9 33	0 29	20 33	0 36	22 28	0 34	22 37	22 34	11 59			n.a.
S 7	23 15	12 3	4 41	22 6	0 54	16 37	6 21	7 24	1 2	10 45	1 18	19 54	1 16	9 34	0 29	20 32	0 36	22 28	0 34	22 38	22 34	12 1			n.a.
M 8	23 9	15 44	4 5	22 22	0 45	16 30	6 32	7 35	1 2	10 41	1 18	19 55	1 16	9 34	0 29	20 32	0 36	22 29	0 33	22 38	22 35	12 3			n.a.
T 9	23 3	18 48	3 17	22 38	0 35	16 24	6 42	7 47	1 3	10 37	1 18	19 56	1 16	9 35	0 29	20 31	0 36	22 29	0 33	22 38	22 35	12 6			n.a.
W10	22 57	21 5	2 21	22 53	0 26	16 18	6 51	7 58	1 4	10 32	1 18	19 58	1 16	9 35	0 29	20 31	0 36	22 29	0 33	22 38	22 35	12 8			n.a.
T 11	22 50	22 26	1 17	23 7	0 17	16 13	7 0	8 10	1 4	10 28	1 18	19 59	1 16	9 36	0 29	20 31	0 36	22 29	0 33	22 38	22 36	12 11			n.a.
F 12	22 43	22 41	0 8	23 21	0 8	16 9	7 7	8 21	1 5	10 23	1 18	20 0	1 16	9 36	0 29	20 30	0 36	22 30	0 33	22 38	22 36	12 13			n.a.
S 13	22 35	21 46	1n 2	23 34	0s 1	16 5	7 14	8 33	1 5	10 19	1 17	20 1	1 16	9 37	0 29	20 30	0 36	22 30	0 33	22 38	22 37	12 15			n.a.
S 14	22 27	19 41	2 10	23 46	0 9	16 2	7 20	8 45	1 6	10 14	1 17	20 2	1 16	9 37	0 29	20 29	0 36	22 30	0 33	22 38	22 37	12 18			n.a.
M15	22 18	16 33	3 13	23 58	0 17	15 59	7 25	8 57	1 7	10 9	1 17	20 3	1 16	9 38	0 29	20 28	0 36	22 30	0 33	22 38	22 37	12 20			n.a.
T 16	22 9	12 31	4 6	24 8	0 25	15 58	7 29	9 8	1 7	10 5	1 17	20 4	1 16	9 38	0 29	20 28	0 36	22 31	0 33	22 38	22 38	12 22			n.a.
W17	22 0	7 48	4 46	24 17	0 33	15 56	7 32	9 20	1 8	10 0	1 17	20 5	1 16	9 38	0 29	20 27	0 36	22 31	0 33	22 38	22 38	12 25			n.a.
T 18	21 50	2 38	5 10	24 26	0 41	15 56	7 34	9 32	1 8	9 55	1 17	20 6	1 16	9 39	0 29	20 27	0 36	22 31	0 33	22 38	22 39	12 27			n.a.
F 19	21 40	2s44	5 17	24 33	0 48	15 56	7 36	9 44	1 9	9 51	1 16	20 7	1 16	9 39	0 29	20 26	0 36	22 31	0 33	22 38	22 39	12 29			n.a.
S 20	21 29	8 2	5 5	24 39	0 55	15 56	7 36	9 55	1 9	9 46	1 16	20 8	1 16	9 39	0 29	20 26	0 36	22 32	0 32	22 38	22 39	12 32			n.a.
S 21	21 18	12 57	4 33	24 43	1 2	15 58	7 36	10 7	1 10	9 41	1 16	20 9	1 16	9 40	0 29	20 25	0 36	22 32	0 32	22 38	22 40	12 34			n.a.
M22	21 7	17 9	3 45	24 47	1 8	15 59	7 36	10 19	1 10	9 36	1 16	20 10	1 16	9 40	0 29	20 25	0 36	22 32	0 32	22 38	22 40	12 36			n.a.
T 23	20 55	20 21	2 42	24 49	1 14	16 1	7 34	10 31	1 11	9 31	1 16	20 11	1 16	9 40	0 29	20 24	0 36	22 32	0 32	22 38	22 41	12 39			n.a.
W24	20 42	22 15	1 30	24 49	1 20	16 4	7 32	10 43	1 11	9 26	1 16	20 11	1 16	9 40	0 29	20 24	0 36	22 33	0 32	22 38	22 41	12 41			n.a.
T 25	20 30	22 41	0 12	24 49	1 25	16 7	7 30	10 55	1 12	9 21	1 16	20 12	1 16	9 41	0 29	20 23	0 36	22 33	0 32	22 38	22 41	12 43			n.a.
F 26	20 17	21 40	1s 5	24 47	1 31	16 11	7 26	11 6	1 12	9 16	1 15	20 13	1 16	9 41	0 29	20 23	0 36	22 33	0 32	22 38	22 42	12 45			n.a.
S 27	20 4	19 21	2 17	24 43	1 36	16 15	7 23	11 18	1 12	9 11	1 15	20 14	1 16	9 41	0 30	20 22	0 36	22 33	0 32	22 38	22 42	12 48			n.a.
S 28	19 50	16 1	3 20	24 38	1 40	16 19	7 18	11 30	1 13	9 6	1 15	20 15	1 16	9 41	0 30	20 22	0 36	22 34	0 32	22 38	22 43	12 50			n.a.
M29	19 36	11 57	4 10	24 31	1 44	16 24	7 14	11 42	1 13	9 1	1 15	20 16	1 16	9 41	0 30	20 21	0 36	22 34	0 32	22 38	22 43	12 52			n.a.
T 30	19 21	7 27	4 47	24 23	1 48	16 29	7 9	11 54	1 14	8 56	1 15	20 16	1 16	9 41	0 30	20 21	0 36	22 34	0 32	22 39	22 43	12 55			n.a.
W31	19s 7	2s46	5s 8	24s13	1s52	16s35	7n 3	12n 6	1n14	8s51	1s15	20s17	1n16	9s41	0n30	20s20	0s36	22s34	0n32	22n39	22n44	12n57			n.a.

Julian Day Number = 1554503.5, Delta T = 04h28m30s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°23'02, Lahiri = -10°16'02 Julian Calendar 1 Jan. 457 BCE == Greg. Calendar 27 Dec. 458 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

FEBRUARY 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 19 10	6♒37'23	17♈ 4	20♉40	5♉48	28♈39	10♓47	5♐48	25♎57	2♒58	16♐56	17°R 0	16♋20	17♌19	n.a.	T 1
F 2	8 23 6	7°37'24	29° 6	22°19	5°55	29°11	11° 0	5°53	25°57	3° 0	16°57	16♋59	16°16	17°26	n.a.	F 2
S 3	8 27 3	8°37'23	11♌ 1	23°59	6° 4	29°42	11°13	5°57	25°57	3° 2	16°59	16°D59	16°13	17°33	n.a.	S 3
S 4	8 30 59	9°37'20	22°52	25°39	6°15	0♌14	11°27	6° 1	25°57	3° 5	17° 0	16°59	16°10	17°39	n.a.	S 4
M 5	8 34 56	10°37'14	4♊45	27°21	6°29	0°46	11°40	6° 6	25°R58	3° 7	17° 1	17° 1	16° 7	17°46	n.a.	M 5
T 6	8 38 52	11°37'07	16°45	29° 4	6°44	1°18	11°53	6°10	25°57	3° 9	17° 3	17° 2	16° 4	17°53	n.a.	T 6
W 7	8 42 49	12°36'57	28°55	0♒49	7° 2	1°51	12° 7	6°14	25°57	3°12	17° 4	17° 4	16° 1	18° 0	n.a.	W 7
T 8	8 46 46	13°36'44	11♋20	2°34	7°21	2°23	12°20	6°18	25°57	3°14	17° 5	17°R 5	15°57	18° 6	n.a.	T 8
F 9	8 50 42	14°36'30	24° 2	4°21	7°43	2°55	12°34	6°22	25°57	3°16	17° 7	17° 5	15°54	18°13	n.a.	F 9
S 10	8 54 39	15°36'13	7♌ 3	6° 8	8° 6	3°28	12°47	6°26	25°57	3°18	17° 8	17° 3	15°51	18°20	n.a.	S 10
S 11	8 58 35	16°35'54	20°22	7°57	8°31	4° 0	13° 1	6°30	25°56	3°20	17° 9	17° 1	15°48	18°26	n.a.	S 11
M12	9 2 32	17°35'33	3♍58	9°47	8°58	4°33	13°14	6°33	25°56	3°23	17°10	16°56	15°45	18°33	n.a.	M12
T 13	9 6 28	18°35'09	17°48	11°39	9°26	5° 6	13°28	6°37	25°56	3°25	17°12	16°52	15°42	18°40	n.a.	T 13
W14	9 10 25	19°34'44	1♎50	13°31	9°56	5°38	13°42	6°41	25°55	3°27	17°13	16°47	15°38	18°47	n.a.	W14
T 15	9 14 21	20°34'17	15°59	15°25	10°27	6°11	13°56	6°44	25°55	3°29	17°14	16°42	15°35	18°53	n.a.	T 15
F 16	9 18 18	21°33'48	0♏12	17°20	11° 0	6°44	14° 9	6°47	25°54	3°32	17°15	16°39	15°32	19° 0	n.a.	F 16
S 17	9 22 15	22°33'17	14°25	19°16	11°34	7°17	14°23	6°51	25°54	3°34	17°16	16°37	15°29	19° 7	n.a.	S 17
S 18	9 26 11	23°32'45	28°35	21°13	12° 9	7°50	14°37	6°54	25°53	3°36	17°17	16°D37	15°26	19°13	n.a.	S 18
M19	9 30 8	24°32'10	12♐42	23°11	12°46	8°24	14°51	6°57	25°52	3°38	17°18	16°38	15°22	19°20	n.a.	M19
T 20	9 34 4	25°31'34	26°43	25°10	13°24	8°57	15° 5	7° 0	25°51	3°40	17°19	16°39	15°19	19°27	n.a.	T 20
W21	9 38 1	26°30'56	10♑37	27°10	14° 3	9°30	15°19	7° 3	25°51	3°42	17°20	16°R40	15°16	19°33	n.a.	W21
T 22	9 41 57	27°30'16	24°24	29°11	14°44	10° 4	15°33	7° 6	25°50	3°44	17°21	16°40	15°13	19°40	n.a.	T 22
F 23	9 45 54	28°29'34	8♒ 1	1♓13	15°25	10°37	15°47	7° 9	25°49	3°47	17°22	16°38	15°10	19°47	n.a.	F 23
S 24	9 49 50	29°28'50	21°26	3°15	16° 7	11°11	16° 1	7°11	25°48	3°49	17°23	16°34	15° 7	19°54	n.a.	S 24
S 25	9 53 47	0♓28'04	4♓38	5°18	16°51	11°44	16°15	7°14	25°47	3°51	17°24	16°28	15° 3	20° 0	n.a.	S 25
M26	9 57 43	1°27'15	17°35	7°21	17°35	12°18	16°29	7°17	25°46	3°53	17°25	16°21	15° 0	20° 7	n.a.	M26
T 27	10 1 40	2°26'24	0♈16	9°23	18°20	12°52	16°43	7°19	25°45	3°55	17°25	16°12	14°57	20°14	n.a.	T 27
W28	10 5 37	3°25'31	12°43	11°26	19° 6	13°26	16°58	7°21	25°43	3°57	17°26	16° 4	14°54	20°20	n.a.	W28
T 29	10 9 33	4♓24'36	24♈56	13♓27	19♉53	13♌59	17♓12	7♐24	25♎42	3♒59	17♐27	15♋56	14♋51	20♌27	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s52	1n57	5s15	24s 2	1s55	16s40	6n57	12n17	1n14	8s46	1s15	20s18	1n16	9s42	0n30	20s20	0s36	22s35	0n31	22n39	22n44	12n59		n.a.
F 2	18 36	6 30	5 8	23 48	1 58	16 46	6 51	12 29	1 15	8 41	1 15	20 19	1 16	9 42	0 30	20 19	0 36	22 35	0 31	22 39	22 45	13 2		n.a.
S 3	18 20	10 46	4 48	23 34	2 0	16 52	6 45	12 41	1 15	8 36	1 14	20 19	1 16	9 42	0 30	20 19	0 36	22 35	0 31	22 39	22 45	13 4		n.a.
S 4	18 4	14 36	4 16	23 17	2 2	16 58	6 38	12 53	1 15	8 30	1 14	20 20	1 16	9 42	0 30	20 18	0 36	22 35	0 31	22 39	22 45	13 6		n.a.
M 5	17 48	17 53	3 32	22 59	2 4	17 4	6 32	13 4	1 16	8 25	1 14	20 21	1 17	9 42	0 30	20 18	0 36	22 36	0 31	22 39	22 46	13 9		n.a.
T 6	17 31	20 26	2 39	22 38	2 5	17 11	6 24	13 16	1 16	8 20	1 14	20 22	1 17	9 42	0 30	20 17	0 36	22 36	0 31	22 39	22 46	13 11		n.a.
W 7	17 14	22 6	1 38	22 16	2 5	17 17	6 17	13 28	1 16	8 15	1 14	20 22	1 17	9 42	0 30	20 17	0 36	22 36	0 31	22 39	22 47	13 13		n.a.
T 8	16 57	22 44	0 32	21 53	2 6	17 23	6 10	13 39	1 17	8 9	1 14	20 23	1 17	9 41	0 30	20 16	0 36	22 36	0 31	22 39	22 47	13 16		n.a.
F 9	16 40	22 12	0n38	21 27	2 5	17 30	6 2	13 51	1 17	8 4	1 14	20 24	1 17	9 41	0 30	20 16	0 36	22 36	0 31	22 39	22 47	13 18		n.a.
S 10	16 22	20 29	1 47	21 0	2 5	17 36	5 55	14 2	1 17	7 59	1 14	20 24	1 17	9 41	0 30	20 15	0 36	22 37	0 31	22 39	22 48	13 20		n.a.
S 11	16 4	17 36	2 52	20 30	2 4	17 42	5 47	14 14	1 18	7 53	1 14	20 25	1 17	9 41	0 30	20 15	0 36	22 37	0 31	22 39	22 48	13 22		n.a.
M12	15 46	13 43	3 49	19 59	2 2	17 48	5 39	14 25	1 18	7 48	1 13	20 25	1 17	9 41	0 30	20 14	0 36	22 37	0 31	22 40	22 48	13 25		n.a.
T 13	15 27	9 3	4 33	19 26	2 0	17 54	5 31	14 37	1 18	7 42	1 13	20 26	1 17	9 41	0 30	20 14	0 36	22 37	0 30	22 40	22 49	13 27		n.a.
W14	15 8	3 51	5 1	18 51	1 57	18 0	5 23	14 48	1 18	7 37	1 13	20 26	1 17	9 41	0 30	20 13	0 36	22 37	0 30	22 41	22 49	13 29		n.a.
T 15	14 49	1s35	5 12	18 14	1 54	18 6	5 15	14 59	1 19	7 31	1 13	20 27	1 17	9 40	0 30	20 13	0 36	22 38	0 30	22 41	22 50	13 32		n.a.
F 16	14 30	6 58	5 3	17 35	1 50	18 11	5 7	15 11	1 19	7 26	1 13	20 28	1 17	9 40	0 30	20 12	0 36	22 38	0 30	22 42	22 50	13 34		n.a.
S 17	14 10	11 59	4 36	16 55	1 46	18 17	4 59	15 22	1 19	7 21	1 13	20 28	1 17	9 40	0 30	20 12	0 36	22 38	0 30	22 42	22 50	13 36		n.a.
S 18	13 51	16 20	3 52	16 12	1 41	18 21	4 51	15 33	1 19	7 15	1 13	20 29	1 17	9 40	0 30	20 11	0 36	22 38	0 30	22 42	22 51	13 38		n.a.
M19	13 31	19 44	2 54	15 28	1 35	18 26	4 43	15 44	1 19	7 10	1 13	20 29	1 17	9 39	0 30	20 11	0 36	22 38	0 30	22 42	22 51	13 41		n.a.
T 20	13 11	21 56	1 46	14 42	1 29	18 31	4 35	15 55	1 20	7 4	1 13	20 29	1 17	9 39	0 30	20 10	0 36	22 38	0 30	22 42	22 51	13 43		n.a.
W21	12 50	22 46	0 33	13 54	1 23	18 35	4 27	16 6	1 20	6 58	1 13	20 30	1 17	9 39	0 30	20 10	0 36	22 39	0 30	22 42	22 52	13 45		n.a.
T 22	12 30	22 12	0s42	13 5	1 16	18 39	4 18	16 17	1 20	6 53	1 13	20 30	1 17	9 38	0 30	20 9	0 36	22 39	0 30	22 42	22 52	13 48		n.a.
F 23	12 9	20 19	1 53	12 14	1 8	18 42	4 10	16 28	1 20	6 47	1 13	20 31	1 17	9 38	0 30	20 9	0 36	22 39	0 30	22 42	22 53	13 50		n.a.
S 24	11 48	17 20	2 57	11 22	1 0	18 45	4 2	16 39	1 20	6 42	1 12	20 31	1 18	9 38	0 30	20 8	0 36	22 39	0 30	22 42	22 53	13 52		n.a.
S 25	11 27	13 30	3 50	10 28	0 51	18 48	3 54	16 50	1 21	6 36	1 12	20 32	1 18	9 37	0 30	20 8	0 36	22 39	0 30	22 43	22 53	13 54		n.a.
M26	11 6	9 6	4 30	9 34	0 41	18 50	3 46	17 0	1 21	6 31	1 12	20 32	1 18	9 37	0 30	20 7	0 36	22 39	0 29	22 44	22 54	13 57		n.a.
T 27	10 44	4 24	4 56	8 38	0 31	18 52	3 38	17 11	1 21	6 25	1 12	20 32	1 18	9 37	0 30	20 7	0 36	22 40	0 29	22 45	22 54	13 59		n.a.
W28	10 23	0n23	5 7	7 42	0 21	18 54	3 31	17 22	1 21	6 19	1 12	20 33	1 18	9 36	0 30	20 6	0 36	22 40	0 29	22 46	22 54	14 1		n.a.
T 29	10s 1	5n 4	5s 4	6s45	0s10	18s55	3n23	17n32	1n21	6s14	1s12	20s33	1n18	9s36	0n30	20s 6	0s36	22s40	0n29	22n47	22n55	14n 3		n.a.

Julian Day Number = 1554534.5, Delta T = 04h28m29s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'58, Lahiri = -10°15'58 Julian Calendar 1 Feb. 457 BCE == Greg. Calendar 27 Jan. 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

MARCH 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 13 30	5♓23'38	6♉57	15♓28	20♊41	14♉33	17♓26	7♐26	25°R41	4♒ 1	17♐28	15°R50	14♋47	20♉34	n.a.	F 1
S 2	10 17 26	6°22'38	18°51	17°27	21°30	15° 7	17°40	7°28	25♎40	4° 3	17°28	15♋47	14°44	20°40	n.a.	S 2
S 3	10 21 23	7°21'36	0♊42	19°25	22°19	15°41	17°54	7°30	25°38	4° 5	17°29	15°45	14°41	20°47	n.a.	S 3
M 4	10 25 19	8°20'31	12°34	21°21	23° 9	16°16	18° 9	7°32	25°37	4° 7	17°30	15°D45	14°38	20°54	n.a.	M 4
T 5	10 29 16	9°19'24	24°33	23°14	24° 0	16°50	18°23	7°33	25°35	4° 9	17°30	15°45	14°35	21° 0	n.a.	T 5
W 6	10 33 12	10°18'14	6♋44	25° 5	24°51	17°24	18°37	7°35	25°34	4°11	17°31	15°46	14°32	21° 7	n.a.	W 6
T 7	10 37 9	11°17'03	19°11	26°52	25°43	17°58	18°51	7°37	25°33	4°13	17°31	15°R47	14°28	21°14	n.a.	T 7
F 8	10 41 6	12°15'48	2♌ 0	28°36	26°36	18°33	19° 6	7°38	25°31	4°15	17°32	15°45	14°25	21°21	n.a.	F 8
S 9	10 45 2	13°14'32	15°12	0♈16	27°29	19° 7	19°20	7°39	25°29	4°17	17°32	15°42	14°22	21°27	n.a.	S 9
S 10	10 48 59	14°13'13	28°47	1°51	28°23	19°41	19°34	7°41	25°28	4°18	17°33	15°36	14°19	21°34	n.a.	S 10
M11	10 52 55	15°11'52	12♍46	3°23	29°17	20°16	19°49	7°42	25°26	4°20	17°33	15°28	14°16	21°41	n.a.	M11
T 12	10 56 52	16°10'29	27° 3	4°50	0♒12	20°50	20° 3	7°43	25°24	4°22	17°34	15°19	14°13	21°47	n.a.	T 12
W13	11 0 48	17° 9'04	11♎34	6°12	1° 7	21°25	20°17	7°44	25°23	4°24	17°34	15° 9	14° 9	21°54	n.a.	W13
T 14	11 4 45	18° 7'37	26°10	7°29	2° 3	21°59	20°32	7°45	25°21	4°26	17°34	15° 0	14° 6	22° 1	n.a.	T 14
F 15	11 8 41	19° 6'09	10♏45	8°41	2°59	22°34	20°46	7°46	25°19	4°27	17°35	14°53	14° 3	22° 7	n.a.	F 15
S 16	11 12 38	20° 4'38	25°14	9°47	3°56	23° 9	21° 0	7°46	25°17	4°29	17°35	14°48	14° 0	22°14	n.a.	S 16
S 17	11 16 34	21° 3'06	9♐31	10°48	4°54	23°43	21°15	7°47	25°15	4°31	17°35	14°46	13°57	22°21	n.a.	S 17
M18	11 20 31	22° 1'32	23°36	11°44	5°51	24°18	21°29	7°47	25°13	4°33	17°35	14°D45	13°53	22°28	n.a.	M18
T 19	11 24 28	22°59'57	7♑27	12°34	6°49	24°53	21°43	7°48	25°11	4°34	17°36	14°R46	13°50	22°34	n.a.	T 19
W20	11 28 24	23°58'20	21° 4	13°18	7°48	25°28	21°58	7°48	25° 9	4°36	17°36	14°46	13°47	22°41	n.a.	W20
T 21	11 32 21	24°56'41	4♒29	13°57	8°47	26° 3	22°12	7°48	25° 7	4°37	17°36	14°44	13°44	22°48	n.a.	T 21
F 22	11 36 17	25°55'01	17°42	14°30	9°46	26°38	22°26	7°48	25° 5	4°39	17°36	14°40	13°41	22°54	n.a.	F 22
S 23	11 40 14	26°53'18	0♓45	14°57	10°46	27°13	22°40	7°R49	25° 3	4°41	17°36	14°34	13°38	23° 1	n.a.	S 23
S 24	11 44 10	27°51'34	13°36	15°18	11°46	27°48	22°55	7°48	25° 1	4°42	17°36	14°24	13°34	23° 8	n.a.	S 24
M25	11 48 7	28°49'48	26°15	15°33	12°46	28°23	23° 9	7°48	24°59	4°44	17°R36	14°12	13°31	23°14	n.a.	M25
T 26	11 52 3	29°48'01	8♈44	15°43	13°47	28°58	23°23	7°48	24°57	4°45	17°36	13°59	13°28	23°21	n.a.	T 26
W27	11 56 0	0♈46'11	21° 1	15°R47	14°48	29°33	23°38	7°48	24°55	4°47	17°36	13°46	13°25	23°28	n.a.	W27
T 28	11 59 57	1°44'19	3♉ 7	15°46	15°49	0♊ 8	23°52	7°47	24°52	4°48	17°36	13°34	13°22	23°34	n.a.	T 28
F 29	12 3 53	2°42'26	15° 5	15°39	16°50	0°43	24° 6	7°47	24°50	4°50	17°36	13°24	13°18	23°41	n.a.	F 29
S 30	12 7 50	3°40'30	26°57	15°28	17°52	1°19	24°20	7°46	24°48	4°51	17°36	13°17	13°15	23°48	n.a.	S 30
S 31	12 11 46	4♈38'33	8♊46	15♈11	18♒54	1♊54	24♓35	7♐45	24♎46	4♒52	17♐36	13♋12	13♋12	23♉55	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s39	9n30	4s47	5s47	0n 1	18s55	3n15	17n43	1n21	6s 8	1s12	20s33	1n18	9s35	0n30	20s 5	0s36	22s40	0n29	22n48	22n55	14n 6		n.a.
S 2	9 17	13 31	4 18	4 50	0 12	18 56	3 7	17 53	1 22	6 2	1 12	20 33	1 18	9 35	0 30	20 5	0 36	22 40	0 29	22 48	22 55	14 8		n.a.
S 3	8 55	17 0	3 38	3 52	0 24	18 55	3 0	18 3	1 22	5 57	1 12	20 34	1 18	9 34	0 30	20 4	0 36	22 40	0 29	22 48	22 56	14 10		n.a.
M 4	8 33	19 48	2 49	2 56	0 36	18 55	2 52	18 13	1 22	5 51	1 12	20 34	1 18	9 34	0 30	20 4	0 36	22 40	0 29	22 48	22 56	14 12		n.a.
T 5	8 11	21 47	1 52	1 59	0 48	18 53	2 44	18 23	1 22	5 45	1 12	20 34	1 18	9 33	0 30	20 3	0 36	22 41	0 29	22 48	22 56	14 15		n.a.
W 6	7 48	22 46	0 48	1 4	1 0	18 52	2 37	18 33	1 22	5 40	1 12	20 34	1 18	9 33	0 30	20 3	0 36	22 41	0 29	22 48	22 57	14 17		n.a.
T 7	7 26	22 40	0n18	0 10	1 11	18 50	2 30	18 43	1 22	5 34	1 12	20 35	1 18	9 32	0 30	20 3	0 36	22 41	0 29	22 48	22 57	14 19		n.a.
F 8	7 3	21 22	1 26	0n42	1 23	18 47	2 22	18 53	1 22	5 28	1 12	20 35	1 18	9 31	0 30	20 2	0 36	22 41	0 29	22 48	22 57	14 21		n.a.
S 9	6 40	18 53	2 31	1 33	1 35	18 44	2 15	19 3	1 22	5 22	1 12	20 35	1 18	9 31	0 30	20 2	0 36	22 41	0 28	22 49	22 58	14 24		n.a.
S 10	6 17	15 18	3 29	2 22	1 46	18 40	2 8	19 12	1 23	5 17	1 12	20 35	1 18	9 30	0 30	20 1	0 36	22 41	0 28	22 49	22 58	14 26		n.a.
M11	5 54	10 47	4 16	3 8	1 56	18 36	2 1	19 22	1 23	5 11	1 12	20 35	1 18	9 30	0 30	20 1	0 37	22 41	0 28	22 50	22 59	14 28		n.a.
T 12	5 31	5 35	4 49	3 52	2 7	18 31	1 54	19 31	1 23	5 5	1 12	20 35	1 19	9 29	0 30	20 0	0 37	22 41	0 28	22 52	22 59	14 30		n.a.
W13	5 8	0 1	5 3	4 34	2 16	18 26	1 47	19 41	1 23	5 0	1 12	20 35	1 19	9 28	0 30	20 0	0 37	22 42	0 28	22 53	22 59	14 33		n.a.
T 14	4 45	5s36	4 58	5 13	2 25	18 20	1 40	19 50	1 23	4 54	1 12	20 36	1 19	9 28	0 30	20 0	0 37	22 42	0 28	22 54	23 0	14 35		n.a.
F 15	4 22	10 55	4 34	5 50	2 33	18 14	1 33	19 59	1 23	4 48	1 12	20 36	1 19	9 27	0 30	19 59	0 37	22 42	0 28	22 54	23 0	14 37		n.a.
S 16	3 59	15 34	3 52	6 23	2 41	18 7	1 26	20 8	1 23	4 42	1 12	20 36	1 19	9 26	0 30	19 59	0 37	22 42	0 28	22 55	23 0	14 39		n.a.
S 17	3 35	19 16	2 56	6 54	2 48	18 0	1 20	20 17	1 23	4 37	1 12	20 36	1 19	9 25	0 30	19 58	0 37	22 42	0 28	22 55	23 1	14 42		n.a.
M18	3 12	21 46	1 50	7 21	2 53	17 52	1 13	20 26	1 23	4 31	1 12	20 36	1 19	9 25	0 30	19 58	0 37	22 42	0 28	22 55	23 1	14 44		n.a.
T 19	2 49	22 53	0 39	7 45	2 58	17 44	1 7	20 35	1 23	4 25	1 12	20 36	1 19	9 24	0 30	19 58	0 37	22 42	0 28	22 55	23 1	14 46		n.a.
W20	2 25	22 38	0s33	8 6	3 2	17 35	1 1	20 43	1 23	4 19	1 12	20 36	1 19	9 23	0 30	19 57	0 37	22 42	0 28	22 55	23 2	14 48		n.a.
T 21	2 2	21 3	1 43	8 24	3 5	17 25	0 55	20 52	1 23	4 14	1 12	20 36	1 19	9 23	0 30	19 57	0 37	22 42	0 27	22 55	23 2	14 51		n.a.
F 22	1 39	18 21	2 45	8 39	3 6	17 15	0 48	21 0	1 23	4 8	1 12	20 36	1 19	9 22	0 30	19 57	0 37	22 43	0 27	22 56	23 2	14 53		n.a.
S 23	1 15	14 45	3 38	8 50	3 7	17 5	0 42	21 9	1 23	4 2	1 12	20 36	1 19	9 21	0 30	19 56	0 37	22 43	0 27	22 57	23 3	14 55		n.a.
S 24	0 52	10 30	4 19	8 57	3 6	16 54	0 37	21 17	1 23	3 56	1 12	20 36	1 19	9 20	0 30	19 56	0 37	22 43	0 27	22 58	23 3	14 57		n.a.
M25	0 28	5 53	4 46	9 2	3 4	16 42	0 31	21 25	1 24	3 51	1 12	20 35	1 19	9 19	0 30	19 56	0 37	22 43	0 27	22 59	23 3	14 59		n.a.
T 26	0 5	1 4	4 59	9 2	3 1	16 30	0 25	21 33	1 24	3 45	1 12	20 35	1 19	9 19	0 30	19 55	0 37	22 43	0 27	23 0	23 4	15 2		n.a.
W27	0n19	3n42	4 58	9 0	2 57	16 18	0 19	21 41	1 24	3 39	1 12	20 35	1 19	9 18	0 30	19 55	0 37	22 43	0 27	23 2	23 4	15 4		n.a.
T 28	0 42	8 16	4 44	8 54	2 51	16 5	0 14	21 48	1 24	3 34	1 12	20 35	1 19	9 17	0 30	19 55	0 37	22 43	0 27	23 3	23 4	15 6		n.a.
F 29	1 5	12 29	4 17	8 45	2 44	15 51	0 8	21 56	1 24	3 28	1 12	20 35	1 19	9 16	0 30	19 54	0 37	22 43	0 27	23 4	23 4	15 8		n.a.
S 30	1 29	16 11	3 39	8 33	2 35	15 37	0 3	22 3	1 24	3 22	1 12	20 35	1 20	9 15	0 30	19 54	0 37	22 43	0 27	23 5	23 5	15 10		n.a.
S 31	1n52	19n14	2s51	8n17	2n26	15s23	0s 2	22n10	1n24	3s17	1s12	20s35	1n20	9s14	0n30	19s54	0s37	22s43	0n27	23n 5	23n 5	15n13		n.a.

Julian Day Number = 1554563.5, Delta T = 04h28m28s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'54, Lahiri = -10°15'54 Julian Calendar 1 March 457 BCE == Greg. Calendar 25 Feb. 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

APRIL 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 15 43	5♈36'34	20♊36	14°R51	19♒57	2♊29	24♓49	7°R44	24°R43	4♒54	17°R35	13°R 9	13♋ 9	24♉ 1	n.a.	M 1
T 2	12 19 39	6°34'33	2♋33	14♈26	20°59	3° 4	25° 3	7♐43	24♎41	4°55	17♐35	13♋ 9	13° 6	24° 8	n.a.	T 2
W 3	12 23 36	7°32'29	14°42	13°58	22° 2	3°40	25°17	7°42	24°39	4°56	17°35	13° 9	13° 3	24°15	n.a.	W 3
T 4	12 27 32	8°30'24	27° 8	13°27	23° 5	4°15	25°31	7°41	24°36	4°57	17°35	13° 8	12°59	24°21	n.a.	T 4
F 5	12 31 29	9°28'17	9♌57	12°53	24° 8	4°51	25°45	7°40	24°34	4°59	17°34	13° 6	12°56	24°28	n.a.	F 5
S 6	12 35 25	10°26'08	23°11	12°18	25°12	5°26	25°59	7°39	24°31	5° 0	17°34	13° 2	12°53	24°35	n.a.	S 6
S 7	12 39 22	11°23'57	6♍54	11°42	26°16	6° 2	26°13	7°37	24°29	5° 1	17°34	12°55	12°50	24°41	n.a.	S 7
M 8	12 43 19	12°21'44	21° 4	11° 5	27°19	6°37	26°27	7°36	24°27	5° 2	17°33	12°46	12°47	24°48	n.a.	M 8
T 9	12 47 15	13°19'30	5♎38	10°29	28°24	7°13	26°41	7°34	24°24	5° 3	17°33	12°35	12°44	24°55	n.a.	T 9
W10	12 51 12	14°17'14	20°30	9°53	29°28	7°48	26°55	7°32	24°22	5° 4	17°32	12°24	12°40	25° 1	n.a.	W10
T 11	12 55 8	15°14'57	5♏30	9°19	0♓33	8°24	27° 9	7°31	24°19	5° 5	17°32	12°14	12°37	25° 8	n.a.	T 11
F 12	12 59 5	16°12'38	20°29	8°46	1°37	9° 0	27°23	7°29	24°17	5° 7	17°31	12° 5	12°34	25°15	n.a.	F 12
S 13	13 3 1	17°10'18	5♐18	8°17	2°42	9°35	27°37	7°27	24°14	5° 8	17°31	11°59	12°31	25°21	n.a.	S 13
S 14	13 6 58	18° 7'57	19°51	7°50	3°47	10°11	27°51	7°25	24°12	5° 8	17°30	11°56	12°28	25°28	n.a.	S 14
M15	13 10 54	19° 5'35	4♑ 4	7°26	4°53	10°47	28° 5	7°23	24° 9	5° 9	17°30	11°55	12°24	25°35	n.a.	M15
T 16	13 14 51	20° 3'11	17°57	7° 7	5°58	11°22	28°19	7°21	24° 7	5°10	17°29	11°55	12°21	25°42	n.a.	T 16
W17	13 18 48	21° 0'47	1♒30	6°51	7° 4	11°58	28°32	7°18	24° 4	5°11	17°29	11°55	12°18	25°48	n.a.	W17
T 18	13 22 44	21°58'21	14°44	6°39	8°10	12°34	28°46	7°16	24° 2	5°12	17°28	11°53	12°15	25°55	n.a.	T 18
F 19	13 26 41	22°55'55	27°43	6°32	9°15	13°10	29° 0	7°14	23°59	5°13	17°27	11°49	12°12	26° 2	n.a.	F 19
S 20	13 30 37	23°53'27	10♓28	6°D29	10°22	13°46	29°13	7°11	23°57	5°14	17°26	11°42	12° 9	26° 8	n.a.	S 20
S 21	13 34 34	24°50'58	23° 2	6°31	11°28	14°22	29°27	7° 8	23°54	5°14	17°26	11°33	12° 5	26°15	n.a.	S 21
M22	13 38 30	25°48'28	5♈25	6°37	12°34	14°58	29°41	7° 6	23°52	5°15	17°25	11°22	12° 2	26°22	n.a.	M22
T 23	13 42 27	26°45'58	17°39	6°48	13°41	15°34	29°54	7° 3	23°49	5°16	17°24	11° 9	11°59	26°28	n.a.	T 23
W24	13 46 23	27°43'26	29°45	7° 3	14°47	16°10	0♈ 7	7° 0	23°47	5°16	17°23	10°56	11°56	26°35	n.a.	W24
T 25	13 50 20	28°40'52	11♉44	7°23	15°54	16°46	0°21	6°57	23°44	5°17	17°23	10°44	11°53	26°42	n.a.	T 25
F 26	13 54 17	29°38'18	23°37	7°47	17° 1	17°22	0°34	6°54	23°42	5°18	17°22	10°34	11°50	26°48	n.a.	F 26
S 27	13 58 13	0♉35'43	5♊26	8°16	18° 8	17°58	0°48	6°51	23°39	5°18	17°21	10°26	11°46	26°55	n.a.	S 27
S 28	14 2 10	1°33'06	17°14	8°48	19°15	18°34	1° 1	6°48	23°37	5°19	17°20	10°21	11°43	27° 2	n.a.	S 28
M29	14 6 6	2°30'28	29° 4	9°25	20°23	19°10	1°14	6°45	23°34	5°19	17°19	10°19	11°40	27° 8	n.a.	M29
T 30	14 10 3	3♉27'49	11♋ 1	10♈ 5	21♓30	19♊46	1♈27	6♐42	23♎32	5♒20	17♐18	10°D18	11♋37	27♉15	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n15	21n29	1s56	7n59	2n15	15s 8	0s 7	22n18	1n24	3s11	1s12	20s34	1n20	9s14	0n30	19s53	0s37	22s43	0n27	23n 5	23n 5	15n15		n.a.
T 2	2 39	22 48	0 56	7 39	2 3	14 53	0 12	22 25	1 24	3 5	1 12	20 34	1 20	9 13	0 30	19 53	0 37	22 43	0 27	23 5	23 6	15 17		n.a.
W 3	3 2	23 4	0n 8	7 15	1 50	14 37	0 17	22 32	1 24	2 59	1 12	20 34	1 20	9 12	0 30	19 53	0 37	22 43	0 26	23 5	23 6	15 19		n.a.
T 4	3 25	22 12	1 13	6 50	1 36	14 20	0 22	22 38	1 24	2 54	1 12	20 34	1 20	9 11	0 30	19 52	0 37	22 43	0 26	23 6	23 6	15 21		n.a.
F 5	3 48	20 11	2 17	6 23	1 21	14 4	0 26	22 45	1 24	2 48	1 12	20 34	1 20	9 10	0 30	19 52	0 37	22 43	0 26	23 6	23 7	15 24		n.a.
S 6	4 11	17 1	3 15	5 55	1 5	13 46	0 31	22 52	1 24	2 43	1 12	20 33	1 20	9 9	0 30	19 52	0 37	22 44	0 26	23 6	23 7	15 26		n.a.
S 7	4 34	12 51	4 4	5 26	0 49	13 29	0 35	22 58	1 24	2 37	1 12	20 33	1 20	9 8	0 30	19 52	0 37	22 44	0 26	23 7	23 7	15 28		n.a.
M 8	4 57	7 51	4 39	4 56	0 32	13 11	0 40	23 4	1 24	2 31	1 12	20 33	1 20	9 7	0 30	19 51	0 37	22 44	0 26	23 8	23 8	15 30		n.a.
T 9	5 20	2 17	4 58	4 26	0 15	12 52	0 44	23 10	1 24	2 26	1 12	20 32	1 20	9 7	0 30	19 51	0 37	22 44	0 26	23 9	23 8	15 32		n.a.
W10	5 42	3s31	4 57	3 56	0s 2	12 33	0 48	23 16	1 24	2 20	1 12	20 32	1 20	9 6	0 30	19 51	0 37	22 44	0 26	23 10	23 8	15 35		n.a.
T 11	6 5	9 11	4 36	3 27	0 19	12 14	0 52	23 22	1 24	2 15	1 12	20 32	1 20	9 5	0 30	19 51	0 37	22 44	0 26	23 11	23 9	15 37		n.a.
F 12	6 27	14 18	3 56	2 58	0 36	11 54	0 56	23 28	1 24	2 9	1 12	20 32	1 20	9 4	0 30	19 50	0 37	22 44	0 26	23 12	23 9	15 39		n.a.
S 13	6 50	18 30	3 1	2 32	0 52	11 34	1 0	23 33	1 23	2 3	1 12	20 31	1 20	9 3	0 30	19 50	0 37	22 44	0 26	23 12	23 9	15 41		n.a.
S 14	7 12	21 28	1 54	2 6	1 8	11 14	1 3	23 38	1 23	1 58	1 12	20 31	1 20	9 2	0 30	19 50	0 37	22 44	0 26	23 12	23 9	15 43		n.a.
M15	7 34	23 0	0 41	1 43	1 23	10 53	1 7	23 44	1 23	1 52	1 12	20 30	1 20	9 1	0 30	19 50	0 38	22 44	0 25	23 12	23 10	15 45		n.a.
T 16	7 56	23 3	0s32	1 22	1 38	10 32	1 10	23 49	1 23	1 47	1 12	20 30	1 20	9 0	0 30	19 50	0 38	22 44	0 25	23 12	23 10	15 48		n.a.
W17	8 18	21 44	1 42	1 3	1 52	10 10	1 14	23 54	1 23	1 41	1 12	20 30	1 20	8 59	0 30	19 49	0 38	22 44	0 25	23 13	23 10	15 50		n.a.
T 18	8 40	19 14	2 44	0 46	2 5	9 48	1 17	23 58	1 23	1 36	1 12	20 29	1 20	8 58	0 30	19 49	0 38	22 44	0 25	23 13	23 11	15 52		n.a.
F 19	9 2	15 49	3 37	0 32	2 17	9 26	1 20	24 3	1 23	1 30	1 12	20 29	1 20	8 57	0 30	19 49	0 38	22 44	0 25	23 13	23 11	15 54		n.a.
S 20	9 23	11 42	4 18	0 21	2 28	9 4	1 23	24 7	1 23	1 25	1 12	20 28	1 20	8 56	0 30	19 49	0 38	22 44	0 25	23 14	23 11	15 56		n.a.
S 21	9 45	7 10	4 46	0 12	2 38	8 41	1 26	24 12	1 23	1 20	1 12	20 28	1 20	8 56	0 30	19 49	0 38	22 44	0 25	23 14	23 12	15 58		n.a.
M22	10 6	2 23	4 59	0 6	2 47	8 18	1 29	24 16	1 23	1 14	1 13	20 27	1 20	8 55	0 30	19 49	0 38	22 44	0 25	23 15	23 12	16 0		n.a.
T 23	10 27	2n25	4 59	0 3	2 56	7 54	1 32	24 20	1 23	1 9	1 13	20 27	1 20	8 54	0 30	19 49	0 38	22 44	0 25	23 17	23 12	16 3		n.a.
W24	10 48	7 5	4 45	0 3	3 3	7 31	1 34	24 24	1 23	1 3	1 13	20 26	1 20	8 53	0 30	19 48	0 38	22 44	0 25	23 18	23 12	16 5		n.a.
T 25	11 9	11 27	4 19	0 5	3 9	7 7	1 37	24 27	1 23	0 58	1 13	20 26	1 20	8 52	0 30	19 48	0 38	22 44	0 25	23 19	23 13	16 7		n.a.
F 26	11 29	15 21	3 41	0 10	3 14	6 42	1 39	24 31	1 23	0 53	1 13	20 25	1 20	8 51	0 30	19 48	0 38	22 44	0 24	23 19	23 13	16 9		n.a.
S 27	11 50	18 38	2 54	0 17	3 18	6 18	1 41	24 34	1 23	0 48	1 13	20 25	1 20	8 50	0 30	19 48	0 38	22 44	0 24	23 20	23 13	16 11		n.a.
S 28	12 10	21 9	2 0	0 27	3 21	5 53	1 43	24 37	1 23	0 42	1 13	20 24	1 20	8 49	0 30	19 48	0 38	22 44	0 24	23 20	23 14	16 13		n.a.
M29	12 30	22 45	1 0	0 40	3 24	5 28	1 45	24 40	1 23	0 37	1 13	20 24	1 20	8 48	0 30	19 48	0 38	22 44	0 24	23 21	23 14	16 15		n.a.
T 30	12n50	23n21	0n 4	0n54	3s25	5s 3	1s47	24n43	1n22	0s32	1s13	20s23	1n20	8s47	0n30	19s48	0s38	22s44	0n24	23n21	23n14	16n18		n.a.

Julian Day Number = 1554594.5, Delta T = 04h28m27s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'50, Lahiri = -10°15'49 Julian Calendar 1 Apr. 457 BCE == Greg. Calendar 27 March 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

MAY 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 13 59	4♉25'09	23♋ 9	10♈49	22♓38	20♊22	1♈40	6°R38	23°R30	5♒20	17°R17	10♋18	11♋34	27♉22	n.a.	W 1
T 2	14 17 56	5°22'28	5♌33	11°38	23°45	20°59	1°53	6♐35	23♎27	5°21	17♐16	10°R19	11°30	27°28	n.a.	T 2
F 3	14 21 52	6°19'45	18°18	12°29	24°53	21°35	2° 6	6°32	23°25	5°21	17°15	10°18	11°27	27°35	n.a.	F 3
S 4	14 25 49	7°17'01	1♍30	13°25	26° 1	22°11	2°19	6°28	23°22	5°21	17°14	10°16	11°24	27°42	n.a.	S 4
S 5	14 29 46	8°14'16	15°10	14°24	27° 9	22°47	2°32	6°24	23°20	5°22	17°13	10°11	11°21	27°49	n.a.	S 5
M 6	14 33 42	9°11'31	29°20	15°26	28°17	23°24	2°45	6°21	23°17	5°22	17°12	10° 4	11°18	27°55	n.a.	M 6
T 7	14 37 39	10° 8'44	13♎57	16°32	29°25	24° 0	2°58	6°17	23°15	5°22	17°11	9°56	11°15	28° 2	n.a.	T 7
W 8	14 41 35	11° 5'56	28°56	17°41	0♈33	24°36	3°11	6°13	23°13	5°22	17°10	9°47	11°11	28° 9	n.a.	W 8
T 9	14 45 32	12° 3'07	14♏ 7	18°53	1°41	25°13	3°23	6°10	23°10	5°22	17° 9	9°39	11° 8	28°15	n.a.	T 9
F 10	14 49 28	13° 0'18	29°21	20° 8	2°50	25°49	3°36	6° 6	23° 8	5°23	17° 8	9°32	11° 5	28°22	n.a.	F 10
S 11	14 53 25	13°57'28	14♐27	21°27	3°58	26°26	3°48	6° 2	23° 6	5°23	17° 6	9°28	11° 2	28°29	n.a.	S 11
S 12	14 57 21	14°54'38	29°17	22°48	5° 7	27° 2	4° 1	5°58	23° 4	5°23	17° 5	9°26	10°59	28°35	n.a.	S 12
M13	15 1 18	15°51'48	13♑44	24°13	6°16	27°39	4°13	5°54	23° 1	5°23	17° 4	9°D25	10°55	28°42	n.a.	M13
T 14	15 5 15	16°48'58	27°46	25°41	7°25	28°15	4°25	5°50	22°59	5°R23	17° 3	9°26	10°52	28°49	n.a.	T 14
W15	15 9 11	17°46'07	11♒24	27°11	8°33	28°52	4°38	5°46	22°57	5°23	17° 2	9°R27	10°49	28°55	n.a.	W15
T 16	15 13 8	18°43'16	24°38	28°45	9°42	29°28	4°50	5°42	22°55	5°23	17° 0	9°27	10°46	29° 2	n.a.	T 16
F 17	15 17 4	19°40'24	7♓32	0♉22	10°52	0♋ 5	5° 2	5°38	22°53	5°23	16°59	9°25	10°43	29° 9	n.a.	F 17
S 18	15 21 1	20°37'33	20° 9	2° 1	12° 1	0°41	5°14	5°34	22°50	5°23	16°58	9°22	10°40	29°15	n.a.	S 18
S 19	15 24 57	21°34'41	2♈32	3°44	13°10	1°18	5°26	5°29	22°48	5°22	16°57	9°16	10°36	29°22	n.a.	S 19
M20	15 28 54	22°31'49	14°44	5°29	14°19	1°55	5°38	5°25	22°46	5°22	16°55	9° 9	10°33	29°29	n.a.	M20
T 21	15 32 50	23°28'57	26°47	7°18	15°29	2°31	5°49	5°21	22°44	5°22	16°54	9° 1	10°30	29°35	n.a.	T 21
W22	15 36 47	24°26'05	8♉44	9° 8	16°38	3° 8	6° 1	5°17	22°42	5°22	16°53	8°52	10°27	29°42	n.a.	W22
T 23	15 40 44	25°23'13	20°37	11° 2	17°48	3°45	6°13	5°12	22°40	5°21	16°51	8°45	10°24	29°49	n.a.	T 23
F 24	15 44 40	26°20'21	2♊26	12°58	18°57	4°22	6°24	5° 8	22°38	5°21	16°50	8°38	10°21	29°55	n.a.	F 24
S 25	15 48 37	27°17'28	14°15	14°56	20° 7	4°58	6°36	5° 4	22°36	5°21	16°49	8°34	10°17	0♊ 2	n.a.	S 25
S 26	15 52 33	28°14'36	26° 4	16°57	21°17	5°35	6°47	4°59	22°34	5°20	16°47	8°31	10°14	0° 9	n.a.	S 26
M27	15 56 30	29°11'43	7♋58	19° 0	22°27	6°12	6°58	4°55	22°33	5°20	16°46	8°D30	10°11	0°16	n.a.	M27
T 28	16 0 26	0♊ 8'50	19°58	21° 4	23°37	6°49	7° 9	4°51	22°31	5°20	16°44	8°31	10° 8	0°22	n.a.	T 28
W29	16 4 23	1° 5'56	2♌ 9	23°10	24°47	7°26	7°21	4°46	22°29	5°19	16°43	8°32	10° 5	0°29	n.a.	W29
T 30	16 8 20	2° 3'03	14°35	25°18	25°57	8° 3	7°31	4°42	22°27	5°19	16°42	8°34	10° 1	0°36	n.a.	T 30
F 31	16 12 16	3♊ 0'09	27♌20	27♉26	27♈ 7	8♋40	7♈42	4♐38	22♎26	5♒18	16♐40	8°R35	9♋58	0♊42	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	13n10	22n51	1n 8	1n11	3s26	4s38	1s49	24n46	1n22	0s27	1s13	20s23	1n20	8s46	0n30	19s48	0s38	22s44	0n24	23n21	23n14	16n20			n.a.
T 2	13 29	21 14	2 11	1 30	3 26	4 12	1 51	24 48	1 22	0 21	1 13	20 22	1 20	8 45	0 30	19 48	0 38	22 44	0 24	23 21	23 15	16 22			n.a.
F 3	13 48	18 31	3 8	1 52	3 25	3 47	1 53	24 51	1 22	0 16	1 13	20 22	1 20	8 45	0 30	19 48	0 38	22 44	0 24	23 21	23 15	16 24			n.a.
S 4	14 7	14 47	3 58	2 15	3 23	3 21	1 54	24 53	1 22	0 11	1 13	20 21	1 20	8 44	0 30	19 48	0 38	22 44	0 24	23 21	23 15	16 26			n.a.
S 5	14 26	10 9	4 36	2 41	3 20	2 55	1 55	24 55	1 22	0 6	1 14	20 20	1 20	8 43	0 30	19 47	0 38	22 44	0 24	23 21	23 15	16 28			n.a.
M 6	14 45	4 50	4 59	3 8	3 17	2 28	1 57	24 57	1 22	0 1	1 14	20 20	1 20	8 42	0 30	19 47	0 38	22 44	0 24	23 22	23 16	16 30			n.a.
T 7	15 3	0s55	5 4	3 37	3 13	2 2	1 58	24 58	1 22	0n 4	1 14	20 19	1 20	8 41	0 30	19 47	0 38	22 44	0 23	23 22	23 16	16 32			n.a.
W 8	15 21	6 45	4 48	4 8	3 8	1 36	1 59	25 0	1 22	0 9	1 14	20 18	1 20	8 40	0 30	19 47	0 38	22 44	0 23	23 23	23 16	16 35			n.a.
T 9	15 39	12 17	4 12	4 40	3 3	1 9	2 0	25 1	1 22	0 14	1 14	20 18	1 20	8 39	0 30	19 47	0 38	22 44	0 23	23 24	23 17	16 37			n.a.
F 10	15 57	17 3	3 18	5 15	2 57	0 42	2 1	25 2	1 21	0 19	1 14	20 17	1 20	8 38	0 30	19 47	0 38	22 44	0 23	23 24	23 17	16 39			n.a.
S 11	16 14	20 41	2 10	5 50	2 50	0 15	2 2	25 3	1 21	0 24	1 14	20 17	1 20	8 38	0 30	19 47	0 38	22 44	0 23	23 24	23 17	16 41			n.a.
S 12	16 31	22 51	0 54	6 28	2 43	0n11	2 2	25 4	1 21	0 29	1 14	20 16	1 20	8 37	0 30	19 47	0 38	22 44	0 23	23 25	23 17	16 43			n.a.
M13	16 48	23 25	0s23	7 6	2 35	0 38	2 3	25 5	1 21	0 34	1 14	20 15	1 20	8 36	0 30	19 47	0 38	22 44	0 23	23 25	23 18	16 45			n.a.
T 14	17 5	22 28	1 37	7 46	2 27	1 6	2 3	25 5	1 21	0 39	1 14	20 15	1 20	8 35	0 30	19 47	0 38	22 44	0 23	23 25	23 18	16 47			n.a.
W15	17 21	20 12	2 43	8 27	2 18	1 33	2 4	25 6	1 21	0 43	1 15	20 14	1 20	8 34	0 30	19 48	0 39	22 44	0 23	23 24	23 18	16 49			n.a.
T 16	17 37	16 55	3 39	9 10	2 9	2 0	2 4	25 6	1 21	0 48	1 15	20 13	1 20	8 34	0 30	19 48	0 39	22 44	0 23	23 24	23 18	16 51			n.a.
F 17	17 53	12 53	4 22	9 53	2 0	2 27	2 4	25 6	1 21	0 53	1 15	20 12	1 20	8 33	0 30	19 48	0 39	22 44	0 23	23 25	23 19	16 53			n.a.
S 18	18 8	8 24	4 51	10 37	1 50	2 54	2 4	25 5	1 20	0 58	1 15	20 12	1 20	8 32	0 30	19 48	0 39	22 44	0 22	23 25	23 19	16 56			n.a.
S 19	18 24	3 38	5 6	11 22	1 39	3 21	2 4	25 5	1 20	1 2	1 15	20 11	1 20	8 31	0 30	19 48	0 39	22 44	0 22	23 25	23 19	16 58			n.a.
M20	18 38	1n11	5 6	12 8	1 29	3 49	2 4	25 4	1 20	1 7	1 15	20 10	1 20	8 30	0 30	19 48	0 39	22 44	0 22	23 26	23 19	17 0			n.a.
T 21	18 53	5 54	4 53	12 54	1 18	4 16	2 4	25 4	1 20	1 12	1 15	20 10	1 20	8 30	0 30	19 48	0 39	22 44	0 22	23 26	23 20	17 2			n.a.
W22	19 7	10 23	4 27	13 41	1 7	4 43	2 4	25 3	1 20	1 16	1 15	20 9	1 20	8 29	0 30	19 48	0 39	22 44	0 22	23 27	23 20	17 4			n.a.
T 23	19 21	14 26	3 50	14 27	0 55	5 10	2 4	25 1	1 20	1 21	1 16	20 8	1 20	8 28	0 30	19 48	0 39	22 44	0 22	23 27	23 20	17 6			n.a.
F 24	19 35	17 56	3 3	15 14	0 44	5 37	2 3	25 0	1 20	1 25	1 16	20 7	1 20	8 28	0 30	19 48	0 39	22 43	0 22	23 28	23 20	17 8			n.a.
S 25	19 49	20 41	2 8	16 1	0 33	6 4	2 3	24 59	1 19	1 30	1 16	20 7	1 20	8 27	0 30	19 48	0 39	22 43	0 22	23 28	23 21	17 10			n.a.
S 26	20 2	22 34	1 7	16 47	0 21	6 31	2 2	24 57	1 19	1 34	1 16	20 6	1 20	8 26	0 30	19 48	0 39	22 43	0 22	23 28	23 21	17 12			n.a.
M27	20 14	23 28	0 3	17 32	0 10	6 58	2 1	24 55	1 19	1 38	1 16	20 5	1 20	8 25	0 30	19 49	0 39	22 43	0 22	23 28	23 21	17 14			n.a.
T 28	20 27	23 16	1n 2	18 17	0n 1	7 25	2 1	24 53	1 19	1 43	1 16	20 5	1 20	8 25	0 30	19 49	0 39	22 43	0 22	23 28	23 21	17 16			n.a.
W29	20 39	21 58	2 5	19 0	0 12	7 52	2 0	24 51	1 19	1 47	1 16	20 4	1 20	8 24	0 30	19 49	0 39	22 43	0 21	23 28	23 22	17 18			n.a.
T 30	20 50	19 36	3 4	19 42	0 23	8 18	1 59	24 49	1 19	1 51	1 17	20 3	1 19	8 24	0 30	19 49	0 39	22 43	0 21	23 28	23 22	17 20			n.a.
F 31	21n 2	16n14	3n55	20n22	0n33	8n45	1s58	24n46	1n18	1n55	1s17	20s 2	1n19	8s23	0n30	19s49	0s39	22s43	0n21	23n28	23n22	17n22			n.a.

Julian Day Number = 1554624.5, Delta T = 04h28m25s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'46, Lahiri = -10°15'45 Julian Calendar 1 May 457 BCE == Greg. Calendar 26 Apr. 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

JUNE 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 16 13	3♊57'14	10♍28	29♉36	28♈17	9♋17	7♈53	4°R33	22°R24	5°R18	16°R39	8°R35	9♋55	0♊49	n.a.	S 1
S 2	16 20 9	4°54'20	24° 2	1♊45	29°27	9°54	8° 4	4♐29	22♎22	5♒17	16♐37	8♋33	9°52	0°56	n.a.	S 2
M 3	16 24 6	5°51'26	8♎ 4	3°55	0♉37	10°31	8°14	4°24	22°21	5°16	16°36	8°30	9°49	1° 2	n.a.	M 3
T 4	16 28 2	6°48'31	22°32	6° 5	1°48	11° 8	8°25	4°20	22°19	5°16	16°35	8°27	9°46	1° 9	n.a.	T 4
W 5	16 31 59	7°45'36	7♏24	8°15	2°58	11°45	8°35	4°16	22°18	5°15	16°33	8°22	9°42	1°16	n.a.	W 5
T 6	16 35 55	8°42'42	22°31	10°24	4° 9	12°22	8°46	4°11	22°16	5°14	16°32	8°18	9°39	1°22	n.a.	T 6
F 7	16 39 52	9°39'47	7♐45	12°32	5°19	12°59	8°56	4° 7	22°15	5°14	16°30	8°15	9°36	1°29	n.a.	F 7
S 8	16 43 49	10°36'54	22°56	14°39	6°30	13°36	9° 6	4° 2	22°13	5°13	16°29	8°13	9°33	1°36	n.a.	S 8
S 9	16 47 45	11°34'00	7♑54	16°46	7°41	14°14	9°16	3°58	22°12	5°12	16°27	8°D13	9°30	1°42	n.a.	S 9
M10	16 51 42	12°31'07	22°32	18°50	8°51	14°51	9°26	3°54	22°11	5°11	16°26	8°13	9°27	1°49	n.a.	M10
T 11	16 55 38	13°28'15	6♒45	20°54	10° 2	15°28	9°35	3°49	22° 9	5°10	16°24	8°14	9°23	1°56	n.a.	T 11
W12	16 59 35	14°25'23	20°31	22°56	11°13	16° 5	9°45	3°45	22° 8	5° 9	16°23	8°16	9°20	2° 2	n.a.	W12
T 13	17 3 31	15°22'32	3♓52	24°56	12°24	16°43	9°55	3°41	22° 7	5° 9	16°21	8°17	9°17	2° 9	n.a.	T 13
F 14	17 7 28	16°19'41	16°48	26°55	13°35	17°20	10° 4	3°37	22° 6	5° 8	16°20	8°R17	9°14	2°16	n.a.	F 14
S 15	17 11 25	17°16'52	29°24	28°52	14°46	17°57	10°13	3°32	22° 5	5° 7	16°18	8°17	9°11	2°22	n.a.	S 15
S 16	17 15 21	18°14'03	11♈43	0♋47	15°57	18°35	10°22	3°28	22° 4	5° 6	16°17	8°15	9° 7	2°29	n.a.	S 16
M17	17 19 18	19°11'15	23°50	2°40	17° 9	19°12	10°31	3°24	22° 3	5° 5	16°16	8°13	9° 4	2°36	n.a.	M17
T 18	17 23 14	20° 8'28	5♉47	4°32	18°20	19°50	10°40	3°20	22° 2	5° 4	16°14	8°10	9° 1	2°42	n.a.	T 18
W19	17 27 11	21° 5'42	17°39	6°22	19°31	20°27	10°49	3°16	22° 1	5° 3	16°13	8° 8	8°58	2°49	n.a.	W19
T 20	17 31 7	22° 2'57	29°28	8°10	20°42	21° 5	10°58	3°12	22° 0	5° 2	16°11	8° 5	8°55	2°56	n.a.	T 20
F 21	17 35 4	23° 0'13	11♊17	9°56	21°54	21°42	11° 6	3° 8	21°59	5° 0	16°10	8° 3	8°52	3° 2	n.a.	F 21
S 22	17 39 0	23°57'29	23° 8	11°41	23° 5	22°20	11°15	3° 4	21°59	4°59	16° 8	8° 2	8°48	3° 9	n.a.	S 22
S 23	17 42 57	24°54'46	5♋ 4	13°24	24°17	22°57	11°23	3° 0	21°58	4°58	16° 7	8°D 2	8°45	3°16	n.a.	S 23
M24	17 46 54	25°52'04	17° 6	15° 5	25°29	23°35	11°31	2°56	21°57	4°57	16° 5	8° 2	8°42	3°22	n.a.	M24
T 25	17 50 50	26°49'23	29°16	16°45	26°40	24°13	11°39	2°52	21°57	4°56	16° 4	8° 2	8°39	3°29	n.a.	T 25
W26	17 54 47	27°46'43	11♌37	18°22	27°52	24°50	11°47	2°48	21°56	4°55	16° 2	8° 3	8°36	3°36	n.a.	W26
T 27	17 58 43	28°44'03	24°12	19°58	29° 4	25°28	11°55	2°45	21°56	4°53	16° 1	8° 4	8°33	3°42	n.a.	T 27
F 28	18 2 40	29°41'24	7♍ 3	21°32	0♊16	26° 6	12° 2	2°41	21°55	4°52	16° 0	8° 5	8°29	3°49	n.a.	F 28
S 29	18 6 36	0♋38'46	20°13	23° 5	1°27	26°44	12°10	2°37	21°55	4°51	15°58	8° 5	8°26	3°56	n.a.	S 29
S 30	18 10 33	1♋36'08	3♎43	24♋35	2♊39	27♋21	12♈17	2♐34	21♎54	4♒50	15♐57	8°R 5	8♋23	4♊ 2	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n13	11n59	4n36	21n 1	0n43	9n11	1s57	24n43	1n18	2n 0	1s17	20s 2	1n19	8s22	0n30	19s49	0s39	22s43	0n21	23n28	23n22	17n24		n.a.
S 2	21 23	7 1	5 3	21 38	0 52	9 37	1 56	24 40	1 18	2 4	1 17	20 1	1 19	8 22	0 30	19 50	0 39	22 43	0 21	23 28	23 23	17 26		n.a.
M 3	21 34	1 32	5 13	22 12	1 1	10 3	1 54	24 37	1 18	2 8	1 17	20 0	1 19	8 21	0 29	19 50	0 39	22 43	0 21	23 28	23 23	17 28		n.a.
T 4	21 44	4s12	5 3	22 44	1 9	10 29	1 53	24 34	1 18	2 12	1 17	19 59	1 19	8 21	0 29	19 50	0 39	22 43	0 21	23 29	23 23	17 31		n.a.
W 5	21 53	9 51	4 34	23 13	1 16	10 55	1 52	24 31	1 18	2 16	1 17	19 59	1 19	8 20	0 29	19 50	0 39	22 43	0 21	23 29	23 23	17 33		n.a.
T 6	22 2	15 1	3 45	23 40	1 23	11 20	1 50	24 27	1 17	2 20	1 18	19 58	1 19	8 20	0 29	19 50	0 39	22 43	0 21	23 29	23 24	17 35		n.a.
F 7	22 11	19 16	2 39	24 4	1 29	11 46	1 49	24 23	1 17	2 24	1 18	19 57	1 19	8 19	0 29	19 51	0 39	22 43	0 21	23 29	23 24	17 37		n.a.
S 8	22 20	22 11	1 23	24 25	1 35	12 11	1 47	24 19	1 17	2 28	1 18	19 56	1 19	8 19	0 29	19 51	0 39	22 43	0 21	23 29	23 24	17 39		n.a.
S 9	22 28	23 29	0 2	24 44	1 39	12 35	1 45	24 15	1 17	2 31	1 18	19 56	1 19	8 18	0 29	19 51	0 39	22 43	0 20	23 30	23 24	17 41		n.a.
M10	22 35	23 7	1s18	25 0	1 43	13 0	1 44	24 11	1 17	2 35	1 18	19 55	1 19	8 18	0 29	19 51	0 39	22 43	0 20	23 29	23 25	17 43		n.a.
T 11	22 43	21 15	2 31	25 12	1 47	13 24	1 42	24 6	1 16	2 39	1 18	19 54	1 18	8 17	0 29	19 51	0 39	22 43	0 20	23 29	23 25	17 45		n.a.
W12	22 50	18 11	3 32	25 23	1 49	13 48	1 40	24 2	1 16	2 43	1 19	19 54	1 18	8 17	0 29	19 52	0 39	22 43	0 20	23 29	23 25	17 47		n.a.
T 13	22 56	14 15	4 20	25 30	1 51	14 12	1 38	23 57	1 16	2 46	1 19	19 53	1 18	8 16	0 29	19 52	0 39	22 43	0 20	23 29	23 25	17 49		n.a.
F 14	23 2	9 46	4 53	25 35	1 53	14 35	1 36	23 52	1 16	2 50	1 19	19 52	1 18	8 16	0 29	19 52	0 39	22 42	0 20	23 29	23 25	17 51		n.a.
S 15	23 8	4 59	5 11	25 38	1 53	14 59	1 34	23 47	1 16	2 53	1 19	19 52	1 18	8 15	0 29	19 52	0 39	22 42	0 20	23 29	23 26	17 53		n.a.
S 16	23 13	0 7	5 15	25 38	1 53	15 21	1 32	23 41	1 15	2 57	1 19	19 51	1 18	8 15	0 29	19 53	0 40	22 42	0 20	23 29	23 26	17 55		n.a.
M17	23 18	4n40	5 4	25 36	1 52	15 44	1 30	23 36	1 15	3 0	1 19	19 50	1 18	8 15	0 29	19 53	0 40	22 42	0 20	23 29	23 26	17 57		n.a.
T 18	23 23	9 14	4 40	25 31	1 51	16 6	1 28	23 30	1 15	3 3	1 20	19 49	1 18	8 14	0 29	19 53	0 40	22 42	0 20	23 30	23 26	17 59		n.a.
W19	23 27	13 25	4 4	25 25	1 49	16 28	1 26	23 24	1 15	3 7	1 20	19 49	1 18	8 14	0 29	19 54	0 40	22 42	0 19	23 30	23 27	18 1		n.a.
T 20	23 30	17 5	3 17	25 16	1 47	16 49	1 24	23 18	1 15	3 10	1 20	19 48	1 17	8 14	0 29	19 54	0 40	22 42	0 19	23 30	23 27	18 3		n.a.
F 21	23 34	20 4	2 23	25 6	1 44	17 10	1 21	23 12	1 14	3 13	1 20	19 47	1 17	8 14	0 29	19 54	0 40	22 42	0 19	23 30	23 27	18 5		n.a.
S 22	23 37	22 13	1 22	24 54	1 41	17 31	1 19	23 5	1 14	3 16	1 20	19 47	1 17	8 13	0 29	19 54	0 40	22 42	0 19	23 30	23 27	18 7		n.a.
S 23	23 39	23 23	0 16	24 40	1 37	17 51	1 17	22 59	1 14	3 19	1 21	19 46	1 17	8 13	0 29	19 55	0 40	22 42	0 19	23 30	23 27	18 9		n.a.
M24	23 41	23 28	0n50	24 25	1 32	18 11	1 14	22 52	1 14	3 23	1 21	19 46	1 17	8 13	0 29	19 55	0 40	22 42	0 19	23 30	23 28	18 11		n.a.
T 25	23 43	22 27	1 55	24 8	1 27	18 30	1 12	22 45	1 13	3 25	1 21	19 45	1 17	8 13	0 29	19 55	0 40	22 42	0 19	23 30	23 28	18 13		n.a.
W26	23 44	20 20	2 56	23 49	1 22	18 49	1 9	22 38	1 13	3 28	1 21	19 44	1 17	8 13	0 29	19 56	0 40	22 42	0 19	23 30	23 28	18 15		n.a.
T 27	23 45	17 13	3 49	23 30	1 16	19 7	1 7	22 31	1 13	3 31	1 21	19 44	1 16	8 12	0 29	19 56	0 40	22 42	0 19	23 30	23 28	18 17		n.a.
F 28	23 45	13 14	4 32	23 9	1 10	19 25	1 4	22 24	1 13	3 34	1 22	19 43	1 16	8 12	0 29	19 56	0 40	22 42	0 19	23 30	23 28	18 18		n.a.
S 29	23 45	8 33	5 2	22 47	1 3	19 43	1 2	22 16	1 13	3 37	1 22	19 43	1 16	8 12	0 29	19 57	0 40	22 42	0 18	23 30	23 29	18 20		n.a.
S 30	23n44	3n20	5n17	22n24	0n56	20n 0	0s59	22n 8	1n12	3n39	1s22	19s42	1n16	8s12	0n29	19s57	0s40	22s42	0n18	23n30	23n29	18n22		n.a.

Julian Day Number = 1554655.5, Delta T = 04h28m24s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'42, Lahiri = -10°15'41 Julian Calendar 1 June 457 BCE == Greg. Calendar 27 May 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

JULY 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 14 29	2♋33'31	17♎36	26♋ 4	3♊51	27♋59	12♈24	2°R30	21°R54	4°R48	15°R55	8°R 5	8♋20	4♊ 9	n.a.	M 1
T 2	18 18 26	3°30'55	1♏51	27°31	5° 3	28°37	12°31	2♐27	21♎54	4♒47	15♐54	8♋ 5	8°17	4°16	n.a.	T 2
W 3	18 22 23	4°28'20	16°26	28°57	6°16	29°15	12°38	2°23	21°54	4°46	15°53	8° 5	8°13	4°22	n.a.	W 3
T 4	18 26 19	5°25'45	1♐16	0♌20	7°28	29°53	12°45	2°20	21°54	4°44	15°51	8° 4	8°10	4°29	n.a.	T 4
F 5	18 30 16	6°23'12	16°15	1°42	8°40	0♌31	12°51	2°17	21°53	4°43	15°50	8° 4	8° 7	4°36	n.a.	F 5
S 6	18 34 12	7°20'40	1♑15	3° 1	9°52	1° 9	12°57	2°13	21°D53	4°41	15°49	8°D 4	8° 4	4°42	n.a.	S 6
S 7	18 38 9	8°18'09	16° 8	4°19	11° 5	1°47	13° 4	2°10	21°53	4°40	15°47	8°R 4	8° 1	4°49	n.a.	S 7
M 8	18 42 5	9°15'39	0♒46	5°35	12°17	2°25	13°10	2° 7	21°53	4°39	15°46	8° 4	7°58	4°56	n.a.	M 8
T 9	18 46 2	10°13'11	15° 4	6°48	13°29	3° 3	13°16	2° 4	21°54	4°37	15°45	8° 4	7°54	5° 2	n.a.	T 9
W10	18 49 58	11°10'44	28°56	8° 0	14°42	3°41	13°21	2° 1	21°54	4°36	15°43	8° 4	7°51	5° 9	n.a.	W10
T 11	18 53 55	12° 8'19	12♓23	9° 9	15°54	4°19	13°27	1°58	21°54	4°34	15°42	8° 3	7°48	5°16	n.a.	T 11
F 12	18 57 52	13° 5'55	25°24	10°16	17° 7	4°58	13°32	1°56	21°54	4°33	15°41	8° 3	7°45	5°22	n.a.	F 12
S 13	19 1 48	14° 3'33	8♈ 3	11°21	18°20	5°36	13°38	1°53	21°55	4°31	15°40	8° 2	7°42	5°29	n.a.	S 13
S 14	19 5 45	15° 1'12	20°23	12°23	19°32	6°14	13°43	1°50	21°55	4°30	15°38	8°D 2	7°39	5°36	n.a.	S 14
M15	19 9 41	15°58'53	2♉29	13°22	20°45	6°52	13°48	1°48	21°55	4°28	15°37	8° 3	7°35	5°42	n.a.	M15
T 16	19 13 38	16°56'36	14°25	14°19	21°58	7°31	13°52	1°45	21°56	4°27	15°36	8° 3	7°32	5°49	n.a.	T 16
W17	19 17 34	17°54'21	26°15	15°13	23°11	8° 9	13°57	1°43	21°56	4°25	15°35	8° 4	7°29	5°56	n.a.	W17
T 18	19 21 31	18°52'07	8♊ 4	16° 4	24°24	8°47	14° 1	1°41	21°57	4°23	15°34	8° 5	7°26	6° 2	n.a.	T 18
F 19	19 25 27	19°49'56	19°54	16°51	25°37	9°26	14° 5	1°38	21°58	4°22	15°32	8° 6	7°23	6° 9	n.a.	F 19
S 20	19 29 24	20°47'46	1♋51	17°35	26°50	10° 4	14° 9	1°36	21°58	4°20	15°31	8° 7	7°19	6°16	n.a.	S 20
S 21	19 33 21	21°45'37	13°55	18°16	28° 3	10°43	14°13	1°34	21°59	4°19	15°30	8°R 7	7°16	6°22	n.a.	S 21
M22	19 37 17	22°43'30	26° 9	18°53	29°16	11°21	14°17	1°32	22° 0	4°17	15°29	8° 6	7°13	6°29	n.a.	M22
T 23	19 41 14	23°41'25	8♌35	19°25	0♋29	12° 0	14°20	1°30	22° 1	4°15	15°28	8° 5	7°10	6°36	n.a.	T 23
W24	19 45 10	24°39'22	21°14	19°54	1°42	12°38	14°24	1°29	22° 2	4°14	15°27	8° 3	7° 7	6°42	n.a.	W24
T 25	19 49 7	25°37'20	4♍ 6	20°18	2°56	13°17	14°27	1°27	22° 2	4°12	15°26	8° 0	7° 4	6°49	n.a.	T 25
F 26	19 53 3	26°35'19	17°12	20°37	4° 9	13°56	14°30	1°25	22° 3	4°11	15°25	7°58	7° 0	6°56	n.a.	F 26
S 27	19 57 0	27°33'20	0♎32	20°50	5°22	14°34	14°32	1°24	22° 5	4° 9	15°24	7°55	6°57	7° 2	n.a.	S 27
S 28	20 0 56	28°31'22	14° 7	20°59	6°36	15°13	14°35	1°22	22° 6	4° 7	15°23	7°54	6°54	7° 9	n.a.	S 28
M29	20 4 53	29°29'26	27°57	21°R 2	7°49	15°52	14°37	1°21	22° 7	4° 6	15°22	7°D53	6°51	7°16	n.a.	M29
T 30	20 8 50	0♌27'31	12♏ 2	20°59	9° 3	16°31	14°39	1°20	22° 8	4° 4	15°21	7°54	6°48	7°22	n.a.	T 30
W31	20 12 46	1♌25'38	26♏19	20♌50	10♋16	17♌ 9	14♈41	1♐19	22♎ 9	4♒ 2	15♐20	7♋55	6♋45	7♊29	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23n43	2s11	5n13	22n 1	0n49	20n16	0s57	22n 1	1n12	3n42	1s22	19s41	1n16	8s12	0n29	19s57	0s40	22s42	0n18	23n30	23n29	18n24			n.a.
T 2	23 42	7 44	4 51	21 36	0 41	20 32	0 54	21 53	1 12	3 45	1 22	19 41	1 16	8 12	0 29	19 58	0 40	22 42	0 18	23 30	23 29	18 26			n.a.
W 3	23 40	12 59	4 9	21 11	0 34	20 47	0 51	21 44	1 12	3 47	1 23	19 40	1 16	8 12	0 29	19 58	0 40	22 41	0 18	23 30	23 29	18 28			n.a.
T 4	23 38	17 34	3 11	20 45	0 25	21 2	0 49	21 36	1 11	3 50	1 23	19 40	1 15	8 12	0 29	19 58	0 40	22 41	0 18	23 30	23 30	18 30			n.a.
F 5	23 36	21 4	1 58	20 19	0 17	21 17	0 46	21 27	1 11	3 52	1 23	19 39	1 15	8 12	0 29	19 59	0 40	22 41	0 18	23 30	23 30	18 32			n.a.
S 6	23 33	23 7	0 38	19 52	0 8	21 30	0 43	21 19	1 11	3 54	1 23	19 39	1 15	8 12	0 28	19 59	0 40	22 41	0 18	23 30	23 30	18 34			n.a.
S 7	23 29	23 30	0s45	19 24	0s 1	21 44	0 40	21 10	1 11	3 57	1 24	19 38	1 15	8 12	0 28	20 0	0 40	22 41	0 18	23 30	23 30	18 36			n.a.
M 8	23 25	22 15	2 3	18 57	0 11	21 56	0 38	21 1	1 10	3 59	1 24	19 38	1 15	8 12	0 28	20 0	0 40	22 41	0 18	23 30	23 30	18 38			n.a.
T 9	23 21	19 34	3 11	18 29	0 20	22 8	0 35	20 52	1 10	4 1	1 24	19 38	1 15	8 12	0 28	20 0	0 40	22 41	0 17	23 30	23 31	18 40			n.a.
W10	23 16	15 50	4 7	18 1	0 30	22 20	0 32	20 43	1 10	4 3	1 24	19 37	1 14	8 12	0 28	20 1	0 40	22 41	0 17	23 30	23 31	18 42			n.a.
T 11	23 11	11 24	4 46	17 33	0 40	22 30	0 29	20 33	1 10	4 5	1 24	19 37	1 14	8 12	0 28	20 1	0 40	22 41	0 17	23 30	23 31	18 44			n.a.
F 12	23 6	6 35	5 10	17 5	0 50	22 40	0 27	20 24	1 9	4 7	1 25	19 36	1 14	8 12	0 28	20 1	0 40	22 41	0 17	23 30	23 31	18 46			n.a.
S 13	23 0	1 37	5 17	16 38	1 1	22 50	0 24	20 14	1 9	4 9	1 25	19 36	1 14	8 12	0 28	20 2	0 40	22 41	0 17	23 30	23 31	18 48			n.a.
S 14	22 53	3n17	5 10	16 10	1 11	22 59	0 21	20 4	1 9	4 10	1 25	19 36	1 14	8 13	0 28	20 2	0 40	22 41	0 17	23 30	23 32	18 49			n.a.
M15	22 47	7 58	4 49	15 43	1 22	23 7	0 18	19 54	1 8	4 12	1 25	19 35	1 14	8 13	0 28	20 3	0 40	22 41	0 17	23 30	23 32	18 51			n.a.
T 16	22 40	12 18	4 16	15 16	1 33	23 15	0 16	19 44	1 8	4 14	1 26	19 35	1 13	8 13	0 28	20 3	0 40	22 41	0 17	23 30	23 32	18 53			n.a.
W17	22 32	16 8	3 32	14 50	1 44	23 21	0 13	19 33	1 8	4 15	1 26	19 35	1 13	8 13	0 28	20 3	0 40	22 41	0 17	23 30	23 32	18 55			n.a.
T 18	22 24	19 19	2 39	14 24	1 55	23 28	0 10	19 23	1 8	4 17	1 26	19 34	1 13	8 13	0 28	20 4	0 40	22 41	0 17	23 30	23 32	18 57			n.a.
F 19	22 16	21 43	1 39	14 0	2 6	23 33	0 7	19 12	1 7	4 18	1 26	19 34	1 13	8 14	0 28	20 4	0 40	22 41	0 16	23 30	23 32	18 59			n.a.
S 20	22 7	23 10	0 35	13 36	2 16	23 38	0 5	19 2	1 7	4 20	1 27	19 34	1 13	8 14	0 28	20 5	0 40	22 41	0 16	23 30	23 33	19 1			n.a.
S 21	21 58	23 33	0n32	13 13	2 27	23 42	0 2	18 51	1 7	4 21	1 27	19 33	1 13	8 14	0 28	20 5	0 40	22 41	0 16	23 30	23 33	19 3			n.a.
M22	21 48	22 48	1 38	12 51	2 38	23 46	0n 1	18 40	1 6	4 22	1 27	19 33	1 12	8 15	0 28	20 5	0 40	22 41	0 16	23 30	23 33	19 5			n.a.
T 23	21 39	20 56	2 41	12 31	2 49	23 48	0 3	18 28	1 6	4 23	1 27	19 33	1 12	8 15	0 28	20 6	0 40	22 41	0 16	23 30	23 33	19 7			n.a.
W24	21 28	18 1	3 36	12 12	2 59	23 50	0 6	18 17	1 6	4 24	1 27	19 33	1 12	8 15	0 28	20 6	0 40	22 41	0 16	23 30	23 33	19 8			n.a.
T 25	21 18	14 11	4 22	11 55	3 10	23 52	0 9	18 6	1 6	4 25	1 28	19 33	1 12	8 16	0 28	20 7	0 40	22 41	0 16	23 30	23 34	19 10			n.a.
F 26	21 7	9 38	4 55	11 39	3 20	23 52	0 11	17 54	1 5	4 26	1 28	19 33	1 12	8 16	0 28	20 7	0 40	22 41	0 16	23 30	23 34	19 12			n.a.
S 27	20 55	4 33	5 13	11 26	3 29	23 52	0 14	17 42	1 5	4 27	1 28	19 32	1 12	8 17	0 28	20 7	0 40	22 41	0 16	23 31	23 34	19 14			n.a.
S 28	20 43	0s50	5 13	11 15	3 38	23 52	0 17	17 31	1 5	4 28	1 28	19 32	1 11	8 17	0 28	20 8	0 40	22 41	0 16	23 31	23 34	19 16			n.a.
M29	20 31	6 17	4 56	11 6	3 47	23 50	0 19	17 19	1 4	4 29	1 29	19 32	1 11	8 18	0 28	20 8	0 40	22 41	0 15	23 31	23 34	19 18			n.a.
T 30	20 19	11 30	4 21	10 59	3 54	23 48	0 22	17 7	1 4	4 29	1 29	19 32	1 11	8 18	0 28	20 9	0 40	22 41	0 15	23 31	23 34	19 20			n.a.
W31	20n 6	16s11	3n30	10n55	4s 1	23n45	0n24	16n54	1n 4	4n30	1s29	19s32	1n11	8s19	0n28	20s 9	0s40	22s41	0n15	23n31	23n35	19n21			n.a.

Julian Day Number = 1554685.5, Delta T = 04h28m23s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'38, Lahiri = -10°15'37 Julian Calendar 1 July 457 BCE == Greg. Calendar 26 June 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

AUGUST 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 16 43	2♌23'47	10♐47	20°R35	11♋30	17♌48	14♈43	1°R18	22♎10	4°R 1	15°R19	7♋56	6♋41	7♊36	n.a.	T 1
F 2	20 20 39	3°21'57	25°23	20♌13	12°44	18°27	14°45	1♐17	22°12	3♒59	15♐18	7°57	6°38	7°42	n.a.	F 2
S 3	20 24 36	4°20'09	10♑ 0	19°45	13°57	19° 6	14°46	1°16	22°13	3°57	15°17	7°R58	6°35	7°49	n.a.	S 3
S 4	20 28 32	5°18'22	24°35	19°11	15°11	19°45	14°47	1°15	22°15	3°56	15°17	7°57	6°32	7°56	n.a.	S 4
M 5	20 32 29	6°16'38	9♒ 0	18°31	16°25	20°24	14°48	1°14	22°16	3°54	15°16	7°55	6°29	8° 2	n.a.	M 5
T 6	20 36 25	7°14'55	23° 9	17°46	17°39	21° 3	14°49	1°14	22°18	3°53	15°15	7°51	6°25	8° 9	n.a.	T 6
W 7	20 40 22	8°13'14	6♓59	16°55	18°53	21°42	14°50	1°13	22°19	3°51	15°14	7°47	6°22	8°16	n.a.	W 7
T 8	20 44 19	9°11'35	20°26	16° 0	20° 7	22°21	14°50	1°13	22°21	3°49	15°14	7°42	6°19	8°22	n.a.	T 8
F 9	20 48 15	10° 9'59	3♈29	15° 2	21°21	23° 1	14°R50	1°13	22°23	3°48	15°13	7°37	6°16	8°29	n.a.	F 9
S 10	20 52 12	11° 8'24	16°11	14° 1	22°35	23°40	14°50	1°12	22°24	3°46	15°12	7°33	6°13	8°36	n.a.	S 10
S 11	20 56 8	12° 6'52	28°33	13° 0	23°49	24°19	14°50	1°D12	22°26	3°44	15°11	7°31	6°10	8°42	n.a.	S 11
M12	21 0 5	13° 5'22	10♉40	11°59	25° 3	24°58	14°50	1°12	22°28	3°43	15°11	7°D30	6° 6	8°49	n.a.	M12
T 13	21 4 1	14° 3'55	22°35	10°59	26°17	25°38	14°49	1°12	22°30	3°41	15°10	7°30	6° 3	8°56	n.a.	T 13
W14	21 7 58	15° 2'29	4♊25	10° 3	27°31	26°17	14°48	1°13	22°32	3°39	15°10	7°32	6° 0	9° 2	n.a.	W14
T 15	21 11 54	16° 1'07	16°14	9°12	28°46	26°56	14°47	1°13	22°34	3°38	15° 9	7°33	5°57	9° 9	n.a.	T 15
F 16	21 15 51	16°59'46	28° 8	8°27	29°59	27°36	14°46	1°13	22°36	3°36	15° 9	7°35	5°54	9°16	n.a.	F 16
S 17	21 19 48	17°58'28	10♋ 9	7°49	1♌14	28°15	14°45	1°14	22°38	3°35	15° 8	7°R35	5°51	9°22	n.a.	S 17
S 18	21 23 44	18°57'11	22°22	7°19	2°29	28°55	14°43	1°14	22°40	3°33	15° 8	7°34	5°47	9°29	n.a.	S 18
M19	21 27 41	19°55'58	4♌50	6°58	3°43	29°34	14°41	1°15	22°42	3°32	15° 7	7°31	5°44	9°36	n.a.	M19
T 20	21 31 37	20°54'46	17°34	6°46	4°57	0♍14	14°39	1°16	22°44	3°30	15° 7	7°26	5°41	9°42	n.a.	T 20
W21	21 35 34	21°53'36	0♍34	6°D44	6°12	0°54	14°37	1°17	22°46	3°28	15° 6	7°19	5°38	9°49	n.a.	W21
T 22	21 39 30	22°52'28	13°49	6°52	7°26	1°33	14°35	1°18	22°49	3°27	15° 6	7°11	5°35	9°56	n.a.	T 22
F 23	21 43 27	23°51'23	27°19	7°10	8°41	2°13	14°32	1°19	22°51	3°25	15° 6	7° 3	5°31	10° 2	n.a.	F 23
S 24	21 47 23	24°50'19	11♎ 0	7°38	9°56	2°53	14°29	1°20	22°53	3°24	15° 5	6°56	5°28	10° 9	n.a.	S 24
S 25	21 51 20	25°49'17	24°51	8°15	11°10	3°33	14°26	1°21	22°56	3°22	15° 5	6°50	5°25	10°16	n.a.	S 25
M26	21 55 16	26°48'17	8♏49	9° 0	12°25	4°12	14°23	1°23	22°58	3°21	15° 5	6°47	5°22	10°22	n.a.	M26
T 27	21 59 13	27°47'19	22°52	9°54	13°40	4°52	14°20	1°24	23° 1	3°19	15° 5	6°D45	5°19	10°29	n.a.	T 27
W28	22 3 10	28°46'23	7♐ 0	10°55	14°54	5°32	14°16	1°26	23° 3	3°18	15° 5	6°46	5°16	10°36	n.a.	W28
T 29	22 7 6	29°45'29	21°10	12° 3	16° 9	6°12	14°12	1°27	23° 6	3°17	15° 4	6°46	5°12	10°42	n.a.	T 29
F 30	22 11 3	0♍44'37	5♑22	13°18	17°24	6°52	14° 8	1°29	23° 8	3°15	15° 4	6°R47	5° 9	10°49	n.a.	F 30
S 31	22 14 59	1♍43'46	19♑34	14♌38	18♌39	7♍32	14♈ 4	1♐31	23♎11	3♒14	15♐ 4	6♋46	5♋ 6	10♊56	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19n53	19s59	2n24	10n55	4s 7	23n41	0n27	16n42	1n 3	4n30	1s29	19s32	1n11	8s19	0n28	20s 9	0s40	22s41	0n15	23n31	23n35	19n23			n.a.
F 2	19 39	22 31	1 9	10 57	4 12	23 37	0 29	16 29	1 3	4 31	1 30	19 32	1 10	8 20	0 28	20 10	0 41	22 41	0 15	23 30	23 35	19 25			n.a.
S 3	19 25	23 33	0s11	11 2	4 16	23 32	0 31	16 17	1 3	4 31	1 30	19 32	1 10	8 20	0 28	20 10	0 41	22 41	0 15	23 30	23 35	19 27			n.a.
S 4	19 11	22 58	1 30	11 10	4 18	23 26	0 34	16 4	1 2	4 31	1 30	19 32	1 10	8 21	0 28	20 11	0 41	22 41	0 15	23 30	23 35	19 29			n.a.
M 5	18 57	20 51	2 42	11 22	4 19	23 19	0 36	15 51	1 2	4 31	1 30	19 32	1 10	8 21	0 27	20 11	0 41	22 41	0 15	23 31	23 35	19 31			n.a.
T 6	18 42	17 29	3 43	11 37	4 18	23 12	0 38	15 38	1 2	4 31	1 31	19 32	1 10	8 22	0 27	20 11	0 41	22 41	0 15	23 31	23 36	19 32			n.a.
W 7	18 27	13 13	4 29	11 55	4 15	23 4	0 41	15 25	1 1	4 31	1 31	19 32	1 10	8 23	0 27	20 12	0 41	22 41	0 14	23 31	23 36	19 34			n.a.
T 8	18 11	8 24	4 58	12 16	4 10	22 56	0 43	15 12	1 1	4 31	1 31	19 32	1 9	8 23	0 27	20 12	0 41	22 41	0 14	23 31	23 36	19 36			n.a.
F 9	17 55	3 21	5 12	12 39	4 4	22 46	0 45	14 59	1 1	4 31	1 31	19 32	1 9	8 24	0 27	20 13	0 41	22 41	0 14	23 32	23 36	19 38			n.a.
S 10	17 39	1n42	5 9	13 5	3 55	22 36	0 47	14 45	1 0	4 31	1 32	19 33	1 9	8 25	0 27	20 13	0 41	22 41	0 14	23 32	23 36	19 40			n.a.
S 11	17 23	6 34	4 52	13 33	3 44	22 26	0 49	14 32	1 0	4 31	1 32	19 33	1 9	8 25	0 27	20 13	0 41	22 41	0 14	23 32	23 36	19 42			n.a.
M12	17 6	11 4	4 22	14 2	3 32	22 14	0 51	14 18	1 0	4 30	1 32	19 33	1 9	8 26	0 27	20 14	0 41	22 41	0 14	23 32	23 36	19 43			n.a.
T 13	16 49	15 6	3 41	14 32	3 17	22 2	0 53	14 4	0 59	4 30	1 32	19 33	1 8	8 27	0 27	20 14	0 41	22 41	0 14	23 32	23 37	19 45			n.a.
W14	16 32	18 30	2 51	15 3	3 1	21 50	0 55	13 51	0 59	4 29	1 32	19 33	1 8	8 27	0 27	20 15	0 41	22 41	0 14	23 32	23 37	19 47			n.a.
T 15	16 14	21 9	1 54	15 33	2 44	21 36	0 57	13 37	0 59	4 29	1 33	19 34	1 8	8 28	0 27	20 15	0 41	22 41	0 14	23 32	23 37	19 49			n.a.
F 16	15 57	22 53	0 51	16 2	2 26	21 22	0 59	13 23	0 58	4 28	1 33	19 34	1 8	8 29	0 27	20 15	0 41	22 41	0 14	23 32	23 37	19 51			n.a.
S 17	15 39	23 35	0n14	16 30	2 7	21 8	1 1	13 8	0 58	4 27	1 33	19 34	1 8	8 30	0 27	20 16	0 41	22 41	0 13	23 32	23 37	19 52			n.a.
S 18	15 20	23 10	1 19	16 57	1 48	20 53	1 3	12 54	0 58	4 26	1 33	19 34	1 7	8 31	0 27	20 16	0 41	22 41	0 13	23 32	23 37	19 54			n.a.
M19	15 2	21 36	2 22	17 21	1 29	20 37	1 4	12 40	0 57	4 26	1 34	19 35	1 7	8 31	0 27	20 17	0 41	22 41	0 13	23 32	23 37	19 56			n.a.
T 20	14 43	18 56	3 19	17 42	1 9	20 20	1 6	12 25	0 57	4 25	1 34	19 35	1 7	8 32	0 27	20 17	0 41	22 41	0 13	23 32	23 38	19 58			n.a.
W21	14 24	15 16	4 7	18 1	0 50	20 3	1 7	12 11	0 57	4 23	1 34	19 35	1 7	8 33	0 27	20 17	0 41	22 41	0 13	23 33	23 38	19 59			n.a.
T 22	14 4	10 47	4 43	18 17	0 32	19 46	1 9	11 56	0 56	4 22	1 34	19 36	1 7	8 34	0 27	20 18	0 41	22 41	0 13	23 33	23 38	20 1			n.a.
F 23	13 45	5 42	5 3	18 29	0 14	19 27	1 10	11 41	0 56	4 21	1 34	19 36	1 7	8 35	0 27	20 18	0 41	22 42	0 13	23 34	23 38	20 3			n.a.
S 24	13 25	0 17	5 7	18 38	0n 2	19 8	1 12	11 26	0 55	4 20	1 35	19 37	1 6	8 36	0 27	20 18	0 41	22 42	0 13	23 34	23 38	20 5			n.a.
S 25	13 5	5s12	4 53	18 44	0 18	18 49	1 13	11 11	0 55	4 18	1 35	19 37	1 6	8 37	0 27	20 19	0 41	22 42	0 13	23 34	23 38	20 7			n.a.
M26	12 44	10 30	4 21	18 46	0 32	18 29	1 14	10 56	0 55	4 17	1 35	19 38	1 6	8 38	0 27	20 19	0 41	22 42	0 13	23 34	23 38	20 8			n.a.
T 27	12 24	15 17	3 34	18 44	0 46	18 9	1 16	10 41	0 54	4 16	1 35	19 38	1 6	8 39	0 27	20 19	0 41	22 42	0 12	23 35	23 39	20 10			n.a.
W28	12 3	19 15	2 33	18 39	0 58	17 48	1 17	10 26	0 54	4 14	1 35	19 39	1 6	8 40	0 27	20 20	0 41	22 42	0 12	23 35	23 39	20 12			n.a.
T 29	11 42	22 4	1 23	18 30	1 9	17 26	1 18	10 11	0 54	4 12	1 36	19 39	1 5	8 41	0 27	20 20	0 41	22 42	0 12	23 34	23 39	20 14			n.a.
F 30	11 21	23 31	0 8	18 18	1 18	17 4	1 19	9 55	0 53	4 11	1 36	19 40	1 5	8 42	0 27	20 21	0 41	22 42	0 12	23 34	23 39	20 15			n.a.
S 31	11n 0	23s26	1s 8	18n 2	1n27	16n42	1n20	9n40	0n53	4n 9	1s36	19s40	1n 5	8s43	0n27	20s21	0s41	22s42	0n12	23n34	23n39	20n17			n.a.

Julian Day Number = 1554716.5, Delta T = 04h28m22s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'33, Lahiri = -10°15'33 Julian Calendar 1 Aug. 457 BCE == Greg. Calendar 27 July 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

SEPTEMBER 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 18 56	2♍42'58	3♒42	16♌ 2	19♌54	8♍12	14°R 0	1♐33	23♎14	3°R12	15°R 4	6°R44	5♋ 3	11♊ 2	n.a.	S 1
M 2	22 22 52	3°42'11	17°43	17°31	21° 8	8°52	13♈55	1°35	23°16	3♒11	15♐ 4	6♋38	5° 0	11° 9	n.a.	M 2
T 3	22 26 49	4°41'26	1♓33	19° 3	22°23	9°33	13°51	1°37	23°19	3°10	15°D 4	6°30	4°56	11°16	n.a.	T 3
W 4	22 30 45	5°40'44	15° 9	20°38	23°38	10°13	13°46	1°39	23°22	3° 8	15° 4	6°21	4°53	11°22	n.a.	W 4
T 5	22 34 42	6°40'04	28°27	22°16	24°53	10°53	13°41	1°42	23°25	3° 7	15° 4	6°10	4°50	11°29	n.a.	T 5
F 6	22 38 39	7°39'26	11♈26	23°56	26° 8	11°33	13°36	1°44	23°28	3° 6	15° 4	6° 0	4°47	11°36	n.a.	F 6
S 7	22 42 35	8°38'50	24° 5	25°37	27°23	12°14	13°30	1°47	23°30	3° 4	15° 4	5°51	4°44	11°42	n.a.	S 7
S 8	22 46 32	9°38'16	6♉26	27°19	28°38	12°54	13°25	1°49	23°33	3° 3	15° 5	5°43	4°41	11°49	n.a.	S 8
M 9	22 50 28	10°37'45	18°32	29° 2	29°53	13°34	13°19	1°52	23°36	3° 2	15° 5	5°38	4°37	11°56	n.a.	M 9
T 10	22 54 25	11°37'17	0♊28	0♍46	1♍ 9	14°15	13°13	1°55	23°39	3° 1	15° 5	5°36	4°34	12° 2	n.a.	T 10
W11	22 58 21	12°36'51	12°17	2°30	2°24	14°55	13° 7	1°58	23°42	2°59	15° 5	5°D35	4°31	12° 9	n.a.	W11
T 12	23 2 18	13°36'27	24° 6	4°15	3°39	15°36	13° 1	2° 0	23°45	2°58	15° 5	5°36	4°28	12°16	n.a.	T 12
F 13	23 6 14	14°36'06	6♋ 0	5°59	4°54	16°16	12°55	2° 4	23°48	2°57	15° 6	5°R36	4°25	12°22	n.a.	F 13
S 14	23 10 11	15°35'47	18° 3	7°44	6° 9	16°57	12°49	2° 7	23°51	2°56	15° 6	5°35	4°22	12°29	n.a.	S 14
S 15	23 14 7	16°35'31	0♌22	9°28	7°24	17°38	12°42	2°10	23°55	2°55	15° 6	5°32	4°18	12°36	n.a.	S 15
M16	23 18 4	17°35'16	12°59	11°12	8°40	18°19	12°35	2°13	23°58	2°54	15° 7	5°27	4°15	12°42	n.a.	M16
T 17	23 22 1	18°35'04	25°57	12°55	9°55	18°59	12°29	2°17	24° 1	2°53	15° 7	5°19	4°12	12°49	n.a.	T 17
W18	23 25 57	19°34'54	9♍17	14°38	11°10	19°40	12°22	2°20	24° 4	2°52	15° 8	5° 9	4° 9	12°55	n.a.	W18
T 19	23 29 54	20°34'47	22°56	16°21	12°26	20°21	12°15	2°24	24° 7	2°51	15° 8	4°57	4° 6	13° 2	n.a.	T 19
F 20	23 33 50	21°34'41	6♎53	18° 3	13°41	21° 2	12° 8	2°27	24°11	2°50	15° 9	4°45	4° 2	13° 9	n.a.	F 20
S 21	23 37 47	22°34'37	21° 1	19°45	14°56	21°43	12° 0	2°31	24°14	2°49	15° 9	4°33	3°59	13°15	n.a.	S 21
S 22	23 41 43	23°34'35	5♏17	21°26	16°12	22°24	11°53	2°35	24°17	2°48	15°10	4°24	3°56	13°22	n.a.	S 22
M23	23 45 40	24°34'35	19°34	23° 7	17°27	23° 5	11°45	2°39	24°21	2°47	15°10	4°18	3°53	13°29	n.a.	M23
T 24	23 49 36	25°34'37	3♐49	24°47	18°42	23°46	11°38	2°43	24°24	2°46	15°11	4°14	3°50	13°35	n.a.	T 24
W25	23 53 33	26°34'41	18° 0	26°26	19°58	24°27	11°30	2°47	24°27	2°46	15°12	4°13	3°47	13°42	n.a.	W25
T 26	23 57 30	27°34'46	2♑ 5	28° 5	21°13	25° 8	11°23	2°51	24°31	2°45	15°12	4°13	3°43	13°49	n.a.	T 26
F 27	0 1 26	28°34'53	16° 2	29°44	22°29	25°49	11°15	2°55	24°34	2°44	15°13	4°12	3°40	13°55	n.a.	F 27
S 28	0 5 23	29°35'02	29°53	1♎22	23°44	26°31	11° 7	2°59	24°38	2°43	15°14	4°11	3°37	14° 2	n.a.	S 28
S 29	0 9 19	0♎35'12	13♒37	2°59	24°59	27°12	10°59	3° 4	24°41	2°43	15°15	4° 6	3°34	14° 9	n.a.	S 29
M30	0 13 16	1♎35'24	27♒12	4♎36	26♍15	27♍53	10♈51	3♐ 8	24♎45	2♒42	15♐15	3♋59	3♋31	14♊15	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n38	21s50	2s19	17n44	1n34	16n19	1n21	9n24	0n52	4n 7	1s36	19s41	1n 5	8s44	0n27	20s21	0s41	22s42	0n12	23n35	23n39	20n19		n.a.
M 2	10 17	18 54	3 21	17 22	1 40	15 55	1 22	9 9	0 52	4 5	1 36	19 41	1 5	8 45	0 27	20 21	0 41	22 42	0 12	23 35	23 39	20 20		n.a.
T 3	9 55	14 56	4 10	16 58	1 45	15 31	1 22	8 53	0 52	4 3	1 36	19 42	1 5	8 46	0 27	20 22	0 41	22 42	0 12	23 35	23 39	20 22		n.a.
W 4	9 33	10 16	4 44	16 31	1 49	15 7	1 23	8 37	0 51	4 1	1 37	19 43	1 4	8 47	0 27	20 22	0 41	22 43	0 12	23 36	23 40	20 24		n.a.
T 5	9 11	5 13	5 1	16 2	1 52	14 42	1 24	8 22	0 51	3 59	1 37	19 43	1 4	8 48	0 27	20 22	0 41	22 43	0 12	23 36	23 40	20 26		n.a.
F 6	8 48	0 3	5 3	15 30	1 54	14 17	1 24	8 6	0 50	3 57	1 37	19 44	1 4	8 49	0 27	20 23	0 41	22 43	0 11	23 37	23 40	20 27		n.a.
S 7	8 26	4n59	4 49	14 57	1 55	13 52	1 25	7 50	0 50	3 55	1 37	19 45	1 4	8 50	0 27	20 23	0 41	22 43	0 11	23 37	23 40	20 29		n.a.
S 8	8 3	9 43	4 22	14 22	1 56	13 26	1 25	7 34	0 49	3 52	1 37	19 45	1 4	8 51	0 27	20 23	0 41	22 43	0 11	23 37	23 40	20 31		n.a.
M 9	7 41	13 59	3 44	13 45	1 55	12 59	1 26	7 18	0 49	3 50	1 37	19 46	1 4	8 52	0 27	20 24	0 41	22 43	0 11	23 38	23 40	20 32		n.a.
T 10	7 18	17 39	2 56	13 7	1 54	12 33	1 26	7 1	0 49	3 48	1 37	19 47	1 3	8 53	0 26	20 24	0 41	22 43	0 11	23 38	23 40	20 34		n.a.
W11	6 55	20 34	2 1	12 28	1 53	12 6	1 26	6 45	0 48	3 45	1 38	19 47	1 3	8 55	0 26	20 24	0 41	22 43	0 11	23 38	23 40	20 36		n.a.
T 12	6 32	22 36	1 1	11 48	1 51	11 38	1 26	6 29	0 48	3 43	1 38	19 48	1 3	8 56	0 26	20 24	0 41	22 43	0 11	23 38	23 40	20 37		n.a.
F 13	6 8	23 39	0n 2	11 6	1 48	11 10	1 26	6 13	0 47	3 40	1 38	19 49	1 3	8 57	0 26	20 25	0 41	22 44	0 11	23 38	23 41	20 39		n.a.
S 14	5 45	23 36	1 6	10 24	1 45	10 42	1 26	5 56	0 47	3 37	1 38	19 50	1 3	8 58	0 26	20 25	0 41	22 44	0 11	23 38	23 41	20 41		n.a.
S 15	5 22	22 25	2 8	9 41	1 42	10 14	1 26	5 40	0 46	3 35	1 38	19 51	1 2	8 59	0 26	20 25	0 41	22 44	0 11	23 38	23 41	20 43		n.a.
M16	4 58	20 5	3 5	8 58	1 38	9 45	1 26	5 23	0 46	3 32	1 38	19 51	1 2	9 0	0 26	20 25	0 41	22 44	0 10	23 38	23 41	20 44		n.a.
T 17	4 34	16 41	3 54	8 14	1 33	9 17	1 26	5 7	0 46	3 29	1 38	19 52	1 2	9 2	0 26	20 26	0 41	22 44	0 10	23 39	23 41	20 46		n.a.
W18	4 11	12 22	4 31	7 29	1 29	8 47	1 26	4 50	0 45	3 26	1 38	19 53	1 2	9 3	0 26	20 26	0 41	22 44	0 10	23 39	23 41	20 48		n.a.
T 19	3 47	7 20	4 55	6 44	1 24	8 18	1 26	4 33	0 45	3 24	1 38	19 54	1 2	9 4	0 26	20 26	0 41	22 44	0 10	23 39	23 41	20 49		n.a.
F 20	3 23	1 50	5 1	5 59	1 19	7 48	1 25	4 17	0 44	3 21	1 38	19 55	1 2	9 5	0 26	20 26	0 41	22 45	0 10	23 40	23 41	20 51		n.a.
S 21	2 59	3s51	4 49	5 14	1 14	7 19	1 25	4 0	0 44	3 18	1 38	19 56	1 1	9 7	0 26	20 27	0 41	22 45	0 10	23 40	23 41	20 52		n.a.
S 22	2 35	9 23	4 19	4 29	1 8	6 48	1 24	3 43	0 43	3 15	1 39	19 57	1 1	9 8	0 26	20 27	0 41	22 45	0 10	23 41	23 41	20 54		n.a.
M23	2 11	14 26	3 33	3 43	1 2	6 18	1 24	3 26	0 43	3 12	1 39	19 58	1 1	9 9	0 26	20 27	0 41	22 45	0 10	23 41	23 42	20 56		n.a.
T 24	1 47	18 41	2 33	2 58	0 56	5 48	1 23	3 9	0 42	3 9	1 39	19 59	1 1	9 10	0 26	20 27	0 41	22 45	0 10	23 41	23 42	20 57		n.a.
W25	1 23	21 48	1 25	2 12	0 50	5 17	1 23	2 52	0 42	3 6	1 39	20 0	1 1	9 12	0 26	20 27	0 41	22 45	0 10	23 41	23 42	20 59		n.a.
T 26	0 58	23 33	0 11	1 27	0 44	4 46	1 22	2 35	0 42	3 3	1 39	20 1	1 1	9 13	0 26	20 28	0 41	22 46	0 9	23 41	23 42	21 1		n.a.
F 27	0 34	23 48	1s 2	0 41	0 38	4 16	1 21	2 18	0 41	3 0	1 39	20 1	1 1	9 14	0 26	20 28	0 41	22 46	0 9	23 41	23 42	21 2		n.a.
S 28	0 10	22 34	2 11	0s 4	0 31	3 45	1 20	2 1	0 41	2 57	1 39	20 2	1 0	9 15	0 26	20 28	0 41	22 46	0 9	23 41	23 42	21 4		n.a.
S 29	0s14	20 1	3 12	0 49	0 25	3 13	1 19	1 44	0 40	2 53	1 39	20 3	1 0	9 17	0 26	20 28	0 41	22 46	0 9	23 41	23 42	21 6		n.a.
M30	0s38	16s22	4s 1	1s34	0n19	2n42	1n18	1n27	0n40	2n50	1s39	20s 5	1n 0	9s18	0n26	20s28	0s41	22s46	0n 9	23n41	23n42	21n 7		n.a.

Julian Day Number = 1554747.5, Delta T = 04h28m20s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'29, Lahiri = -10°15'29 Julian Calendar 1 Sept. 457 BCE == Greg. Calendar 27 Aug. 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

OCTOBER 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 17 12	2♎35'37	10♓37	6♎12	27♍30	28♍35	10°R43	3♐13	24♎48	2°R41	15♐16	3°R49	3♋27	14♊22	n.a.	T 1
W 2	0 21 9	3°35'53	23°51	7°49	28°46	29°16	10♈35	3°17	24°52	2♒41	15°17	3♋37	3°24	14°29	n.a.	W 2
T 3	0 25 5	4°36'10	6♈51	9°24	0♎ 1	29°57	10°27	3°22	24°55	2°40	15°18	3°23	3°21	14°35	n.a.	T 3
F 4	0 29 2	5°36'29	19°37	10°59	1°17	0♎39	10°19	3°27	24°59	2°39	15°19	3° 9	3°18	14°42	n.a.	F 4
S 5	0 32 58	6°36'50	2♉ 7	12°34	2°32	1°20	10°11	3°31	25° 2	2°39	15°20	2°57	3°15	14°49	n.a.	S 5
S 6	0 36 55	7°37'13	14°23	14° 9	3°48	2° 2	10° 3	3°36	25° 6	2°38	15°21	2°47	3°12	14°55	n.a.	S 6
M 7	0 40 52	8°37'37	26°26	15°43	5° 3	2°44	9°54	3°41	25°10	2°38	15°22	2°39	3° 8	15° 2	n.a.	M 7
T 8	0 44 48	9°38'04	8♊20	17°16	6°19	3°25	9°46	3°46	25°13	2°38	15°23	2°35	3° 5	15° 9	n.a.	T 8
W 9	0 48 45	10°38'33	20° 8	18°50	7°34	4° 7	9°38	3°51	25°17	2°37	15°24	2°33	3° 2	15°15	n.a.	W 9
T 10	0 52 41	11°39'04	1♋55	20°23	8°50	4°49	9°30	3°56	25°20	2°37	15°25	2°D32	2°59	15°22	n.a.	T 10
F 11	0 56 38	12°39'37	13°47	21°56	10° 5	5°31	9°22	4° 2	25°24	2°37	15°26	2°R32	2°56	15°28	n.a.	F 11
S 12	1 0 34	13°40'12	25°50	23°28	11°21	6°13	9°14	4° 7	25°28	2°36	15°27	2°32	2°53	15°35	n.a.	S 12
S 13	1 4 31	14°40'48	8♌ 8	25° 0	12°36	6°54	9° 6	4°12	25°31	2°36	15°28	2°30	2°49	15°42	n.a.	S 13
M14	1 8 27	15°41'27	20°47	26°32	13°52	7°36	8°57	4°18	25°35	2°36	15°30	2°25	2°46	15°48	n.a.	M14
T 15	1 12 24	16°42'07	3♍51	28° 4	15° 8	8°18	8°49	4°23	25°39	2°36	15°31	2°18	2°43	15°55	n.a.	T 15
W16	1 16 21	17°42'49	17°20	29°35	16°23	9° 0	8°41	4°29	25°43	2°35	15°32	2° 8	2°40	16° 2	n.a.	W16
T 17	1 20 17	18°43'32	1♎15	1♏ 6	17°39	9°43	8°33	4°34	25°46	2°35	15°33	1°57	2°37	16° 8	n.a.	T 17
F 18	1 24 14	19°44'18	15°33	2°37	18°54	10°25	8°26	4°40	25°50	2°35	15°35	1°45	2°33	16°15	n.a.	F 18
S 19	1 28 10	20°45'04	0♏ 6	4° 7	20°10	11° 7	8°18	4°45	25°54	2°35	15°36	1°34	2°30	16°22	n.a.	S 19
S 20	1 32 7	21°45'53	14°49	5°37	21°25	11°49	8°10	4°51	25°57	2°D35	15°37	1°25	2°27	16°28	n.a.	S 20
M21	1 36 3	22°46'42	29°33	7° 7	22°41	12°31	8° 2	4°57	26° 1	2°35	15°39	1°18	2°24	16°35	n.a.	M21
T 22	1 40 0	23°47'33	14♐11	8°37	23°57	13°14	7°55	5° 3	26° 5	2°35	15°40	1°15	2°21	16°42	n.a.	T 22
W23	1 43 56	24°48'25	28°38	10° 6	25°12	13°56	7°47	5° 9	26° 9	2°35	15°41	1°D14	2°18	16°48	n.a.	W23
T 24	1 47 53	25°49'18	12♑51	11°34	26°28	14°38	7°40	5°15	26°12	2°35	15°43	1°14	2°14	16°55	n.a.	T 24
F 25	1 51 50	26°50'12	26°48	13° 3	27°43	15°21	7°33	5°21	26°16	2°36	15°44	1°R14	2°11	17° 2	n.a.	F 25
S 26	1 55 46	27°51'07	10♒31	14°30	28°59	16° 3	7°25	5°27	26°20	2°36	15°46	1°14	2° 8	17° 8	n.a.	S 26
S 27	1 59 43	28°52'03	24° 0	15°57	0♏14	16°46	7°18	5°33	26°23	2°36	15°47	1°11	2° 5	17°15	n.a.	S 27
M28	2 3 39	29°52'59	7♓15	17°24	1°30	17°28	7°11	5°39	26°27	2°36	15°49	1° 5	2° 2	17°22	n.a.	M28
T 29	2 7 36	0♏53'57	20°18	18°49	2°46	18°11	7° 4	5°45	26°31	2°37	15°50	0°57	1°59	17°28	n.a.	T 29
W30	2 11 32	1°54'55	3♈10	20°14	4° 1	18°54	6°58	5°51	26°35	2°37	15°52	0°47	1°55	17°35	n.a.	W30
T 31	2 15 29	2♏55'55	15♈49	21♏37	5♏17	19♎36	6♈51	5♐58	26♎38	2♒37	15♐53	0♋36	1♋52	17♊42	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	1s 3	11s56	4s36	2s19	0n12	2n11	1n17	1n10	0n39	2n47	1s39	20s 6	1n 0	9s19	0n26	20s28	0s41	22s47	0n 9	23n42	23n42	21n 9			n.a.
W 2	1 27	6 59	4 56	3 3	0 5	1 40	1 16	0 53	0 39	2 44	1 39	20 7	1 0	9 21	0 26	20 28	0 41	22 47	0 9	23 42	23 42	21 10			n.a.
T 3	1 51	1 49	4 59	3 47	0s 1	1 8	1 15	0 36	0 38	2 41	1 39	20 8	1 0	9 22	0 26	20 29	0 41	22 47	0 9	23 42	23 42	21 12			n.a.
F 4	2 15	3n20	4 48	4 31	0 8	0 37	1 14	0 19	0 38	2 38	1 39	20 9	0 59	9 23	0 26	20 29	0 41	22 47	0 9	23 43	23 43	21 14			n.a.
S 5	2 40	8 16	4 23	5 15	0 14	0 5	1 12	0 2	0 37	2 34	1 39	20 10	0 59	9 25	0 26	20 29	0 41	22 47	0 9	23 43	23 43	21 15			n.a.
S 6	3 4	12 47	3 45	5 58	0 21	0s26	1 11	0s16	0 37	2 31	1 38	20 11	0 59	9 26	0 26	20 29	0 41	22 48	0 8	23 43	23 43	21 17			n.a.
M 7	3 28	16 43	2 59	6 41	0 27	0 58	1 10	0 33	0 36	2 28	1 38	20 12	0 59	9 27	0 26	20 29	0 40	22 48	0 8	23 43	23 43	21 18			n.a.
T 8	3 52	19 56	2 5	7 23	0 34	1 30	1 8	0 50	0 36	2 25	1 38	20 13	0 59	9 29	0 26	20 29	0 40	22 48	0 8	23 43	23 43	21 20			n.a.
W 9	4 16	22 18	1 5	8 5	0 40	2 1	1 7	1 7	0 35	2 22	1 38	20 14	0 59	9 30	0 26	20 29	0 40	22 48	0 8	23 44	23 43	21 21			n.a.
T 10	4 40	23 41	0 3	8 47	0 47	2 33	1 5	1 24	0 35	2 19	1 38	20 15	0 59	9 31	0 26	20 29	0 40	22 48	0 8	23 44	23 43	21 23			n.a.
F 11	5 4	24 1	0n59	9 28	0 53	3 4	1 4	1 42	0 34	2 15	1 38	20 16	0 58	9 33	0 26	20 29	0 40	22 49	0 8	23 44	23 43	21 25			n.a.
S 12	5 28	23 13	2 0	10 9	0 59	3 36	1 2	1 59	0 34	2 12	1 38	20 17	0 58	9 34	0 26	20 29	0 40	22 49	0 8	23 44	23 43	21 26			n.a.
S 13	5 51	21 19	2 57	10 49	1 5	4 7	1 1	2 16	0 33	2 9	1 38	20 19	0 58	9 36	0 26	20 29	0 40	22 49	0 8	23 44	23 43	21 28			n.a.
M14	6 15	18 19	3 46	11 28	1 11	4 38	0 59	2 34	0 33	2 6	1 38	20 20	0 58	9 37	0 26	20 29	0 40	22 49	0 8	23 44	23 43	21 29			n.a.
T 15	6 39	14 21	4 26	12 7	1 17	5 9	0 57	2 51	0 32	2 3	1 38	20 21	0 58	9 38	0 26	20 29	0 40	22 50	0 8	23 44	23 43	21 31			n.a.
W16	7 2	9 32	4 52	12 46	1 23	5 40	0 55	3 8	0 32	2 0	1 38	20 22	0 58	9 40	0 26	20 29	0 40	22 50	0 8	23 44	23 43	21 32			n.a.
T 17	7 26	4 6	5 2	13 23	1 29	6 11	0 53	3 25	0 31	1 57	1 37	20 23	0 58	9 41	0 26	20 30	0 40	22 50	0 7	23 44	23 43	21 34			n.a.
F 18	7 49	1s42	4 53	14 0	1 34	6 42	0 52	3 42	0 30	1 54	1 37	20 24	0 57	9 42	0 26	20 30	0 40	22 50	0 7	23 44	23 44	21 35			n.a.
S 19	8 12	7 31	4 26	14 37	1 39	7 13	0 50	4 0	0 30	1 51	1 37	20 25	0 57	9 44	0 26	20 30	0 40	22 50	0 7	23 44	23 44	21 37			n.a.
S 20	8 35	12 59	3 40	15 12	1 44	7 43	0 48	4 17	0 29	1 48	1 37	20 27	0 57	9 45	0 26	20 30	0 40	22 51	0 7	23 45	23 44	21 38			n.a.
M21	8 58	17 43	2 40	15 47	1 49	8 14	0 46	4 34	0 29	1 45	1 37	20 28	0 57	9 47	0 26	20 29	0 40	22 51	0 7	23 45	23 44	21 40			n.a.
T 22	9 21	21 19	1 29	16 21	1 54	8 44	0 44	4 51	0 28	1 42	1 37	20 29	0 57	9 48	0 26	20 29	0 40	22 51	0 7	23 45	23 44	21 41			n.a.
W23	9 44	23 31	0 14	16 54	1 58	9 14	0 42	5 8	0 28	1 39	1 36	20 30	0 57	9 49	0 26	20 29	0 40	22 51	0 7	23 45	23 44	21 43			n.a.
T 24	10 6	24 9	1s 2	17 26	2 3	9 44	0 40	5 26	0 27	1 37	1 36	20 31	0 57	9 51	0 26	20 29	0 40	22 52	0 7	23 45	23 44	21 44			n.a.
F 25	10 29	23 13	2 12	17 58	2 6	10 13	0 37	5 43	0 27	1 34	1 36	20 33	0 57	9 52	0 26	20 29	0 40	22 52	0 7	23 45	23 44	21 46			n.a.
S 26	10 51	20 56	3 13	18 28	2 10	10 42	0 35	6 0	0 26	1 31	1 36	20 34	0 56	9 53	0 26	20 29	0 40	22 52	0 7	23 45	23 44	21 47			n.a.
S 27	11 13	17 31	4 3	18 57	2 13	11 11	0 33	6 17	0 25	1 28	1 36	20 35	0 56	9 55	0 26	20 29	0 40	22 52	0 6	23 45	23 44	21 49			n.a.
M28	11 35	13 16	4 39	19 25	2 16	11 40	0 31	6 34	0 25	1 26	1 35	20 36	0 56	9 56	0 26	20 29	0 40	22 53	0 6	23 45	23 44	21 50			n.a.
T 29	11 56	8 28	4 59	19 52	2 18	12 8	0 29	6 51	0 24	1 23	1 35	20 37	0 56	9 58	0 26	20 29	0 40	22 53	0 6	23 45	23 44	21 52			n.a.
W30	12 18	3 22	5 4	20 17	2 20	12 36	0 26	7 8	0 24	1 21	1 35	20 39	0 56	9 59	0 26	20 29	0 40	22 53	0 6	23 45	23 44	21 53			n.a.
T 31	12s39	1n48	4s54	20s41	2s22	13s 4	0n24	7s25	0n23	1n18	1s35	20s40	0n56	10s 0	0n26	20s29	0s40	22s53	0n 6	23n45	23n44	21n55			n.a.

Julian Day Number = 1554777.5, Delta T = 04h28m19s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'25, Lahiri = -10°15'25 Julian Calendar 1 Oct. 457 BCE == Greg. Calendar 26 Sept. 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

NOVEMBER 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 19 25	3♏56'55	28♈18	23♏ 0	6♏32	20♎19	6°R45	6♐ 4	26♎42	2♒38	15♐55	0°R25	1♋49	17♊48	n.a.	F 1
S 2	2 23 22	4°57'56	10♉35	24°21	7°48	21° 2	6♈38	6°10	26°46	2°38	15°57	0♋15	1°46	17°55	n.a.	S 2
S 3	2 27 19	5°58'59	22°41	25°40	9° 3	21°45	6°32	6°17	26°49	2°39	15°58	0° 7	1°43	18° 1	n.a.	S 3
M 4	2 31 15	7° 0'02	4♊39	26°58	10°19	22°28	6°26	6°23	26°53	2°39	16° 0	0° 1	1°39	18° 8	n.a.	M 4
T 5	2 35 12	8° 1'07	16°29	28°13	11°34	23°11	6°20	6°30	26°57	2°40	16° 2	29♊57	1°36	18°15	n.a.	T 5
W 6	2 39 8	9° 2'13	28°16	29°26	12°50	23°54	6°14	6°36	27° 0	2°40	16° 3	29°D56	1°33	18°21	n.a.	W 6
T 7	2 43 5	10° 3'19	10♋ 2	0♐36	14° 5	24°37	6° 9	6°43	27° 4	2°41	16° 5	29°57	1°30	18°28	n.a.	T 7
F 8	2 47 1	11° 4'27	21°53	1°42	15°21	25°20	6° 3	6°49	27° 8	2°42	16° 7	29°58	1°27	18°35	n.a.	F 8
S 9	2 50 58	12° 5'36	3♌54	2°45	16°36	26° 3	5°58	6°56	27°11	2°42	16° 8	29°59	1°24	18°41	n.a.	S 9
S 10	2 54 54	13° 6'46	16° 9	3°43	17°52	26°46	5°53	7° 2	27°15	2°43	16°10	29°R59	1°20	18°48	n.a.	S 10
M11	2 58 51	14° 7'57	28°44	4°36	19° 7	27°29	5°48	7° 9	27°19	2°44	16°12	29°58	1°17	18°55	n.a.	M11
T 12	3 2 48	15° 9'08	11♍44	5°23	20°23	28°12	5°43	7°16	27°22	2°44	16°14	29°55	1°14	19° 1	n.a.	T 12
W13	3 6 44	16°10'21	25°11	6° 4	21°38	28°56	5°39	7°22	27°26	2°45	16°15	29°50	1°11	19° 8	n.a.	W13
T 14	3 10 41	17°11'34	9♎ 7	6°36	22°54	29°39	5°35	7°29	27°29	2°46	16°17	29°44	1° 8	19°15	n.a.	T 14
F 15	3 14 37	18°12'48	23°30	7° 1	24° 9	0♏22	5°30	7°36	27°33	2°47	16°19	29°37	1° 4	19°21	n.a.	F 15
S 16	3 18 34	19°14'03	8♏15	7°16	25°25	1° 6	5°26	7°43	27°37	2°48	16°21	29°30	1° 1	19°28	n.a.	S 16
S 17	3 22 30	20°15'18	23°15	7°R21	26°40	1°49	5°23	7°50	27°40	2°49	16°23	29°25	0°58	19°35	n.a.	S 17
M18	3 26 27	21°16'34	8♐21	7°16	27°56	2°33	5°19	7°57	27°44	2°50	16°25	29°21	0°55	19°41	n.a.	M18
T 19	3 30 24	22°17'50	23°23	6°59	29°11	3°16	5°16	8° 3	27°47	2°51	16°27	29°D19	0°52	19°48	n.a.	T 19
W20	3 34 20	23°19'06	8♑13	6°30	0♐27	4° 0	5°12	8°10	27°51	2°52	16°28	29°19	0°49	19°54	n.a.	W20
T 21	3 38 17	24°20'22	22°46	5°49	1°42	4°44	5° 9	8°17	27°54	2°53	16°30	29°21	0°45	20° 1	n.a.	T 21
F 22	3 42 13	25°21'39	6♒57	4°57	2°58	5°27	5° 7	8°24	27°57	2°54	16°32	29°22	0°42	20° 8	n.a.	F 22
S 23	3 46 10	26°22'55	20°45	3°55	4°13	6°11	5° 4	8°31	28° 1	2°55	16°34	29°R23	0°39	20°14	n.a.	S 23
S 24	3 50 6	27°24'11	4♓13	2°45	5°28	6°55	5° 2	8°38	28° 4	2°56	16°36	29°23	0°36	20°21	n.a.	S 24
M25	3 54 3	28°25'27	17°20	1°28	6°44	7°38	4°59	8°45	28° 8	2°57	16°38	29°22	0°33	20°28	n.a.	M25
T 26	3 57 59	29°26'42	0♈10	0° 8	7°59	8°22	4°57	8°52	28°11	2°59	16°40	29°19	0°30	20°34	n.a.	T 26
W27	4 1 56	0♐27'58	12°46	28♏46	9°15	9° 6	4°56	8°59	28°14	3° 0	16°42	29°14	0°26	20°41	n.a.	W27
T 28	4 5 53	1°29'13	25° 9	27°25	10°30	9°50	4°54	9° 6	28°18	3° 1	16°44	29°10	0°23	20°48	n.a.	T 28
F 29	4 9 49	2°30'28	7♉21	26° 9	11°45	10°34	4°53	9°13	28°21	3° 3	16°46	29° 5	0°20	20°54	n.a.	F 29
S 30	4 13 46	3♐31'43	19♉25	24♏59	13♐ 1	11♏18	4♈51	9♐20	28♎24	3♒ 4	16♐48	29♊ 0	0♋17	21♊ 1	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s 0	6n49	4s30	21s 4	2s23	13s32	0n22	7s41	0n23	1n16	1s34	20s41	0n56	10s 2	0n26	20s29	0s40	22s54	0n 6	23n45	23n44	21n56		n.a.
S 2	13 21	11 30	3 53	21 25	2 24	13 59	0 20	7 58	0 22	1 14	1 34	20 42	0 56	10 3	0 26	20 29	0 40	22 54	0 6	23 45	23 44	21 58		n.a.
S 3	13 41	15 41	3 6	21 45	2 24	14 26	0 17	8 15	0 21	1 12	1 34	20 44	0 56	10 4	0 26	20 29	0 40	22 54	0 6	23 45	23 44	21 59		n.a.
M 4	14 2	19 11	2 12	22 3	2 23	14 52	0 15	8 32	0 21	1 9	1 34	20 45	0 55	10 6	0 26	20 28	0 40	22 55	0 6	23 45	23 44	22 1		n.a.
T 5	14 22	21 52	1 12	22 19	2 22	15 18	0 13	8 48	0 20	1 7	1 33	20 46	0 55	10 7	0 26	20 28	0 40	22 55	0 6	23 45	23 44	22 2		n.a.
W 6	14 42	23 35	0 9	22 34	2 20	15 44	0 10	9 5	0 20	1 5	1 33	20 47	0 55	10 8	0 26	20 28	0 40	22 55	0 6	23 45	23 44	22 4		n.a.
T 7	15 1	24 16	0n54	22 46	2 17	16 9	0 8	9 22	0 19	1 3	1 33	20 48	0 55	10 10	0 26	20 28	0 40	22 55	0 5	23 45	23 45	22 5		n.a.
F 8	15 21	23 51	1 56	22 56	2 13	16 34	0 6	9 38	0 18	1 1	1 33	20 50	0 55	10 11	0 26	20 28	0 40	22 56	0 5	23 45	23 45	22 6		n.a.
S 9	15 40	22 20	2 53	23 5	2 8	16 58	0 3	9 55	0 18	0 59	1 32	20 51	0 55	10 12	0 26	20 28	0 40	22 56	0 5	23 45	23 45	22 8		n.a.
S 10	15 59	19 45	3 44	23 11	2 3	17 22	0 1	10 11	0 17	0 58	1 32	20 52	0 55	10 14	0 26	20 27	0 40	22 56	0 5	23 45	23 45	22 9		n.a.
M11	16 17	16 12	4 25	23 14	1 56	17 45	0s 2	10 27	0 17	0 56	1 32	20 53	0 55	10 15	0 26	20 27	0 40	22 56	0 5	23 45	23 45	22 11		n.a.
T 12	16 35	11 47	4 54	23 15	1 48	18 8	0 4	10 43	0 16	0 54	1 31	20 55	0 55	10 16	0 26	20 27	0 40	22 57	0 5	23 45	23 45	22 12		n.a.
W13	16 53	6 39	5 9	23 13	1 39	18 31	0 6	11 0	0 15	0 53	1 31	20 56	0 54	10 18	0 26	20 27	0 40	22 57	0 5	23 45	23 45	22 14		n.a.
T 14	17 11	1 1	5 6	23 9	1 28	18 53	0 9	11 16	0 15	0 51	1 31	20 57	0 54	10 19	0 26	20 27	0 40	22 57	0 5	23 45	23 45	22 15		n.a.
F 15	17 29	4s51	4 43	23 1	1 17	19 14	0 11	11 32	0 14	0 50	1 31	20 58	0 54	10 20	0 26	20 26	0 40	22 58	0 5	23 45	23 45	22 16		n.a.
S 16	17 46	10 37	4 2	22 51	1 3	19 35	0 14	11 48	0 14	0 49	1 30	20 59	0 54	10 21	0 26	20 26	0 40	22 58	0 5	23 45	23 45	22 18		n.a.
S 17	18 2	15 52	3 4	22 37	0 49	19 55	0 16	12 4	0 13	0 47	1 30	21 1	0 54	10 23	0 26	20 26	0 40	22 58	0 5	23 45	23 45	22 19		n.a.
M18	18 19	20 9	1 52	22 20	0 33	20 15	0 18	12 19	0 12	0 46	1 30	21 2	0 54	10 24	0 26	20 26	0 40	22 58	0 4	23 45	23 45	22 21		n.a.
T 19	18 35	23 3	0 32	22 0	0 15	20 34	0 21	12 35	0 12	0 45	1 29	21 3	0 54	10 25	0 26	20 26	0 40	22 59	0 4	23 45	23 45	22 22		n.a.
W20	18 51	24 18	0s48	21 37	0n 3	20 53	0 23	12 51	0 11	0 44	1 29	21 4	0 54	10 27	0 26	20 25	0 40	22 59	0 4	23 45	23 45	22 23		n.a.
T 21	19 6	23 51	2 5	21 11	0 23	21 11	0 25	13 6	0 10	0 43	1 29	21 5	0 54	10 28	0 26	20 25	0 40	22 59	0 4	23 45	23 45	22 25		n.a.
F 22	19 21	21 51	3 11	20 42	0 43	21 28	0 28	13 21	0 10	0 42	1 28	21 7	0 54	10 29	0 26	20 25	0 40	23 0	0 4	23 45	23 45	22 26		n.a.
S 23	19 36	18 37	4 5	20 11	1 3	21 45	0 30	13 37	0 9	0 42	1 28	21 8	0 54	10 30	0 26	20 25	0 40	23 0	0 4	23 45	23 45	22 27		n.a.
S 24	19 50	14 29	4 44	19 38	1 23	22 1	0 32	13 52	0 8	0 41	1 28	21 9	0 53	10 31	0 26	20 24	0 40	23 0	0 4	23 45	23 45	22 29		n.a.
M25	20 4	9 45	5 6	19 3	1 42	22 17	0 34	14 7	0 8	0 40	1 27	21 10	0 53	10 33	0 26	20 24	0 40	23 0	0 4	23 45	23 45	22 30		n.a.
T 26	20 18	4 42	5 13	18 29	2 0	22 32	0 37	14 22	0 7	0 40	1 27	21 11	0 53	10 34	0 26	20 24	0 40	23 1	0 4	23 45	23 45	22 31		n.a.
W27	20 31	0n26	5 5	17 55	2 17	22 46	0 39	14 37	0 7	0 39	1 27	21 12	0 53	10 35	0 26	20 23	0 40	23 1	0 4	23 45	23 45	22 33		n.a.
T 28	20 44	5 29	4 42	17 23	2 31	22 59	0 41	14 52	0 6	0 39	1 26	21 14	0 53	10 36	0 26	20 23	0 40	23 1	0 3	23 45	23 45	22 34		n.a.
F 29	20 56	10 16	4 6	16 53	2 44	23 12	0 43	15 6	0 5	0 39	1 26	21 15	0 53	10 37	0 26	20 23	0 40	23 2	0 3	23 45	23 45	22 35		n.a.
S 30	21s 8	14n36	3s20	16s27	2n54	23s24	0s45	15s21	0n 5	0n39	1s26	21s16	0n53	10s39	0n26	20s22	0s40	23s 2	0n 3	23n45	23n45	22n37		n.a.

Julian Day Number = 1554808.5, Delta T = 04h28m18s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'21, Lahiri = -10°15'20 Julian Calendar 1 Nov. 457 BCE == Greg. Calendar 27 Oct. 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 457 BCE
geocentric

DECEMBER 457 BCE (-456) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 17 42	4♐32'58	1♊21	23°R57	14♐16	12♏ 2	4°R50	9♐27	28♎27	3♒ 5	16♐50	28°R57	0♋14	21♊ 8	n.a.	S 1
M 2	4 21 39	5°34'12	13°13	23♏ 3	15°31	12°46	4♈50	9°34	28°30	3° 7	16°52	28♊54	0°10	21°14	n.a.	M 2
T 3	4 25 35	6°35'27	25° 1	22°20	16°47	13°30	4°49	9°41	28°34	3° 8	16°54	28°D53	0° 7	21°21	n.a.	T 3
W 4	4 29 32	7°36'41	6♋48	21°47	18° 2	14°14	4°49	9°48	28°37	3° 9	16°56	28°53	0° 4	21°28	n.a.	W 4
T 5	4 33 28	8°37'56	18°37	21°24	19°17	14°59	4°D49	9°55	28°40	3°11	16°58	28°55	0° 1	21°34	n.a.	T 5
F 6	4 37 25	9°39'10	0♌30	21°11	20°32	15°43	4°49	10° 3	28°43	3°12	17° 0	28°56	29♊58	21°41	n.a.	F 6
S 7	4 41 22	10°40'24	12°32	21°D 7	21°48	16°27	4°49	10°10	28°46	3°14	17° 2	28°58	29°55	21°48	n.a.	S 7
S 8	4 45 18	11°41'38	24°47	21°12	23° 3	17°11	4°49	10°17	28°49	3°16	17° 4	28°59	29°51	21°54	n.a.	S 8
M 9	4 49 15	12°42'51	7♍19	21°26	24°18	17°56	4°50	10°24	28°52	3°17	17° 6	29°R 0	29°48	22° 1	n.a.	M 9
T 10	4 53 11	13°44'05	20°12	21°46	25°33	18°40	4°51	10°31	28°55	3°19	17° 8	29° 0	29°45	22° 7	n.a.	T 10
W11	4 57 8	14°45'18	3♎30	22°13	26°49	19°25	4°52	10°38	28°58	3°20	17°10	28°59	29°42	22°14	n.a.	W11
T 12	5 1 4	15°46'31	17°16	22°47	28° 4	20° 9	4°53	10°45	29° 0	3°22	17°12	28°58	29°39	22°21	n.a.	T 12
F 13	5 5 1	16°47'43	1♏29	23°26	29°19	20°54	4°55	10°52	29° 3	3°24	17°14	28°56	29°36	22°27	n.a.	F 13
S 14	5 8 58	17°48'56	16° 8	24°10	0♑34	21°38	4°57	10°59	29° 6	3°25	17°16	28°55	29°32	22°34	n.a.	S 14
S 15	5 12 54	18°50'08	1♐ 7	24°58	1°49	22°23	4°59	11° 6	29° 9	3°27	17°18	28°53	29°29	22°41	n.a.	S 15
M16	5 16 51	19°51'19	16°18	25°50	3° 5	23° 7	5° 1	11°13	29°12	3°29	17°20	28°53	29°26	22°47	n.a.	M16
T 17	5 20 47	20°52'30	1♑32	26°46	4°20	23°52	5° 3	11°20	29°14	3°31	17°22	28°D53	29°23	22°54	n.a.	T 17
W18	5 24 44	21°53'40	16°39	27°45	5°35	24°37	5° 6	11°27	29°17	3°32	17°24	28°53	29°20	23° 1	n.a.	W18
T 19	5 28 40	22°54'49	1♒31	28°48	6°50	25°21	5° 8	11°34	29°19	3°34	17°26	28°53	29°16	23° 7	n.a.	T 19
F 20	5 32 37	23°55'56	16° 0	29°52	8° 5	26° 6	5°11	11°41	29°22	3°36	17°28	28°54	29°13	23°14	n.a.	F 20
S 21	5 36 33	24°57'03	0♓ 4	0♐59	9°20	26°51	5°14	11°48	29°24	3°38	17°30	28°54	29°10	23°21	n.a.	S 21
S 22	5 40 30	25°58'08	13°41	2° 9	10°35	27°36	5°18	11°55	29°27	3°40	17°32	28°55	29° 7	23°27	n.a.	S 22
M23	5 44 27	26°59'12	26°52	3°20	11°50	28°21	5°21	12° 2	29°29	3°42	17°34	28°R55	29° 4	23°34	n.a.	M23
T 24	5 48 23	28° 0'15	9♈40	4°33	13° 5	29° 6	5°25	12° 9	29°32	3°44	17°36	28°55	29° 1	23°41	n.a.	T 24
W25	5 52 20	29° 1'17	22°10	5°48	14°20	29°50	5°29	12°16	29°34	3°46	17°38	28°D55	28°57	23°47	n.a.	W25
T 26	5 56 16	0♑ 2'17	4♉24	7° 4	15°35	0♐35	5°33	12°22	29°36	3°48	17°40	28°55	28°54	23°54	n.a.	T 26
F 27	6 0 13	1° 3'16	16°26	8°22	16°50	1°20	5°37	12°29	29°39	3°50	17°42	28°55	28°51	24° 0	n.a.	F 27
S 28	6 4 9	2° 4'13	28°20	9°41	18° 5	2° 5	5°42	12°36	29°41	3°52	17°44	28°55	28°48	24° 7	n.a.	S 28
S 29	6 8 6	3° 5'10	10♊10	11° 1	19°20	2°51	5°46	12°43	29°43	3°54	17°46	28°56	28°45	24°14	n.a.	S 29
M30	6 12 2	4° 6'05	21°58	12°23	20°35	3°36	5°51	12°50	29°45	3°56	17°48	28°56	28°42	24°20	n.a.	M30
T 31	6 15 59	5♑ 6'59	3♋46	13♐45	21♑50	4♐21	5♈56	12♐56	29♎47	3♒58	17♐50	28°R56	28♊38	24♊27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	21 s20	18n19	2 s26	16 s 4	3n 1	23 s36	0 s47	15 s35	0n 4	0n39	1 s25	21 s17	0n53	10 s40	0n26	20 s22	0 s40	23 s 2	0n 3	23n45	23n45	22n38			n.a.
M 2	21 31	21 16	1 25	15 46	3 7	23 46	0 49	15 49	0 3	0 39	1 25	21 18	0 53	10 41	0 26	20 22	0 40	23 2	0 3	23 45	23 45	22 39			n.a.
T 3	21 41	23 18	0 21	15 32	3 10	23 56	0 51	16 3	0 3	0 39	1 25	21 19	0 53	10 42	0 26	20 21	0 40	23 3	0 3	23 45	23 45	22 41			n.a.
W 4	21 52	24 18	0n44	15 22	3 11	24 5	0 53	16 17	0 2	0 39	1 24	21 20	0 53	10 43	0 26	20 21	0 40	23 3	0 3	23 45	23 45	22 42			n.a.
T 5	22 2	24 12	1 47	15 17	3 10	24 14	0 55	16 31	0 1	0 39	1 24	21 22	0 53	10 44	0 26	20 21	0 40	23 3	0 3	23 45	23 45	22 43			n.a.
F 6	22 11	23 0	2 46	15 16	3 8	24 22	0 57	16 45	0 0	0 40	1 24	21 23	0 53	10 45	0 26	20 20	0 40	23 4	0 3	23 45	23 45	22 45			n.a.
S 7	22 20	20 45	3 39	15 18	3 5	24 29	0 59	16 59	0s 0	0 40	1 23	21 24	0 52	10 46	0 26	20 20	0 40	23 4	0 3	23 45	23 45	22 46			n.a.
S 8	22 29	17 32	4 22	15 24	3 0	24 35	1 1	17 12	0 1	0 40	1 23	21 25	0 52	10 47	0 26	20 20	0 40	23 4	0 3	23 45	23 45	22 47			n.a.
M 9	22 37	13 29	4 55	15 33	2 55	24 40	1 3	17 25	0 2	0 41	1 23	21 26	0 52	10 49	0 26	20 19	0 40	23 4	0 2	23 45	23 45	22 48			n.a.
T 10	22 45	8 43	5 13	15 44	2 48	24 45	1 5	17 38	0 2	0 42	1 22	21 27	0 52	10 50	0 26	20 19	0 40	23 5	0 2	23 45	23 45	22 50			n.a.
W11	22 52	3 25	5 16	15 58	2 41	24 49	1 6	17 51	0 3	0 42	1 22	21 28	0 52	10 51	0 26	20 18	0 40	23 5	0 2	23 45	23 45	22 51			n.a.
T 12	22 59	2 s14	5 1	16 14	2 34	24 52	1 8	18 4	0 4	0 43	1 22	21 29	0 52	10 52	0 26	20 18	0 40	23 5	0 2	23 45	23 45	22 52			n.a.
F 13	23 5	7 58	4 28	16 31	2 26	24 55	1 10	18 17	0 4	0 44	1 21	21 30	0 52	10 53	0 26	20 18	0 40	23 6	0 2	23 45	23 45	22 54			n.a.
S 14	23 11	13 26	3 36	16 50	2 17	24 56	1 11	18 29	0 5	0 45	1 21	21 31	0 52	10 54	0 26	20 17	0 40	23 6	0 2	23 45	23 45	22 55			n.a.
S 15	23 16	18 14	2 28	17 10	2 9	24 57	1 13	18 42	0 6	0 46	1 21	21 32	0 52	10 55	0 26	20 17	0 40	23 6	0 2	23 45	23 45	22 56			n.a.
M16	23 21	21 53	1 9	17 31	2 0	24 57	1 14	18 54	0 6	0 47	1 20	21 33	0 52	10 56	0 26	20 16	0 40	23 6	0 2	23 45	23 45	22 57			n.a.
T 17	23 26	23 59	0 s15	17 53	1 51	24 56	1 16	19 6	0 7	0 49	1 20	21 34	0 52	10 56	0 26	20 16	0 40	23 7	0 2	23 45	23 45	22 59			n.a.
W18	23 30	24 18	1 37	18 15	1 42	24 55	1 17	19 18	0 8	0 50	1 20	21 36	0 52	10 57	0 26	20 16	0 40	23 7	0 2	23 45	23 45	23 0			n.a.
T 19	23 33	22 52	2 52	18 38	1 33	24 53	1 18	19 29	0 9	0 51	1 19	21 37	0 52	10 58	0 26	20 15	0 40	23 7	0 2	23 45	23 45	23 1			n.a.
F 20	23 37	19 57	3 53	19 1	1 24	24 50	1 20	19 41	0 9	0 53	1 19	21 38	0 52	10 59	0 26	20 15	0 40	23 8	0 1	23 45	23 45	23 2			n.a.
S 21	23 39	15 56	4 39	19 24	1 15	24 46	1 21	19 52	0 10	0 54	1 19	21 39	0 52	11 0	0 26	20 14	0 40	23 8	0 1	23 45	23 45	23 3			n.a.
S 22	23 41	11 13	5 7	19 47	1 6	24 41	1 22	20 3	0 11	0 56	1 18	21 40	0 52	11 1	0 26	20 14	0 40	23 8	0 1	23 45	23 45	23 5			n.a.
M23	23 43	6 7	5 18	20 9	0 57	24 36	1 23	20 14	0 11	0 58	1 18	21 40	0 52	11 2	0 26	20 13	0 40	23 8	0 1	23 45	23 45	23 6			n.a.
T 24	23 44	0 54	5 13	20 32	0 49	24 30	1 24	20 25	0 12	1 0	1 18	21 41	0 52	11 3	0 26	20 13	0 40	23 9	0 1	23 45	23 45	23 7			n.a.
W25	23 45	4n13	4 52	20 54	0 40	24 23	1 25	20 35	0 13	1 1	1 17	21 42	0 51	11 4	0 26	20 12	0 40	23 9	0 1	23 45	23 45	23 8			n.a.
T 26	23 45	9 5	4 19	21 15	0 31	24 15	1 26	20 46	0 14	1 3	1 17	21 43	0 51	11 4	0 26	20 12	0 40	23 9	0 1	23 45	23 45	23 9			n.a.
F 27	23 45	13 32	3 35	21 37	0 23	24 7	1 27	20 56	0 14	1 5	1 17	21 44	0 51	11 5	0 26	20 11	0 40	23 10	0 1	23 45	23 45	23 11			n.a.
S 28	23 44	17 25	2 42	21 57	0 15	23 58	1 28	21 6	0 15	1 7	1 16	21 45	0 51	11 6	0 26	20 11	0 40	23 10	0 1	23 45	23 45	23 12			n.a.
S 29	23 43	20 34	1 43	22 17	0 6	23 48	1 29	21 15	0 16	1 10	1 16	21 46	0 51	11 7	0 26	20 11	0 40	23 10	0 1	23 45	23 45	23 13			n.a.
M30	23 41	22 52	0 39	22 36	0 s 2	23 37	1 29	21 25	0 17	1 12	1 16	21 47	0 51	11 7	0 26	20 10	0 40	23 10	0 1	23 45	23 45	23 14			n.a.
T 31	23 s39	24n 9	0n27	22 s54	0 s 9	23 s26	1 s30	21 s34	0 s17	1n14	1 s15	21 s48	0n51	11 s 8	0n26	20 s10	0 s40	23 s11	0n 0	23n45	23n45	23n15			n.a.

Julian Day Number = 1554838.5, Delta T = 04h28m17s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'17, Lahiri = -10°15'16 Julian Calendar 1 Dec. 457 BCE == Greg. Calendar 26 Nov. 457 BCE

The year -456 astronomical counting style corresponds to year 457 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

JANUARY 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 19 56	6♉ 7'51	15♋36	15♐ 9	23♉ 5	5♐ 6	6♈ 1	13♐ 3	29♎49	4♒ 0	17♐52	28°R56	28♊35	24♊34	n.a.	W 1
T 2	6 23 52	7° 8'42	27°31	16°33	24°20	5°51	6° 7	13°10	29°51	4° 2	17°54	28♊55	28°32	24°40	n.a.	T 2
F 3	6 27 49	8° 9'32	9♌33	17°59	25°35	6°36	6°12	13°16	29°53	4° 4	17°56	28°54	28°29	24°47	n.a.	F 3
S 4	6 31 45	9°10'21	21°43	19°26	26°49	7°22	6°18	13°23	29°55	4° 6	17°58	28°52	28°26	24°54	n.a.	S 4
S 5	6 35 42	10°11'09	4♍ 5	20°53	28° 4	8° 7	6°24	13°30	29°57	4° 8	18° 0	28°51	28°22	25° 0	n.a.	S 5
M 6	6 39 38	11°11'55	16°41	22°21	29°19	8°52	6°30	13°36	29°59	4°10	18° 2	28°49	28°19	25° 7	n.a.	M 6
T 7	6 43 35	12°12'40	29°34	23°51	0♒34	9°37	6°36	13°43	0♏ 0	4°12	18° 4	28°48	28°16	25°14	n.a.	T 7
W 8	6 47 32	13°13'24	12♎47	25°21	1°48	10°23	6°42	13°49	0° 2	4°14	18° 6	28°D48	28°13	25°20	n.a.	W 8
T 9	6 51 28	14°14'07	26°21	26°52	3° 3	11° 8	6°49	13°56	0° 4	4°17	18° 7	28°48	28°10	25°27	n.a.	T 9
F 10	6 55 25	15°14'48	10♏19	28°24	4°18	11°54	6°55	14° 2	0° 5	4°19	18° 9	28°49	28° 7	25°33	n.a.	F 10
S 11	6 59 21	16°15'29	24°40	29°57	5°32	12°39	7° 2	14° 8	0° 7	4°21	18°11	28°50	28° 3	25°40	n.a.	S 11
S 12	7 3 18	17°16'08	9♐22	1♉30	6°47	13°25	7° 9	14°15	0° 8	4°23	18°13	28°52	28° 0	25°47	n.a.	S 12
M13	7 7 14	18°16'45	24°19	3° 5	8° 2	14°10	7°16	14°21	0°10	4°25	18°15	28°R52	27°57	25°53	n.a.	M13
T 14	7 11 11	19°17'22	9♉26	4°40	9°16	14°56	7°24	14°27	0°11	4°28	18°17	28°52	27°54	26° 0	n.a.	T 14
W15	7 15 7	20°17'56	24°32	6°16	10°31	15°41	7°31	14°34	0°13	4°30	18°18	28°51	27°51	26° 7	n.a.	W15
T 16	7 19 4	21°18'29	9♒30	7°53	11°45	16°27	7°39	14°40	0°14	4°32	18°20	28°48	27°48	26°13	n.a.	T 16
F 17	7 23 1	22°19'00	24° 9	9°31	13° 0	17°12	7°47	14°46	0°15	4°34	18°22	28°45	27°44	26°20	n.a.	F 17
S 18	7 26 57	23°19'29	8♓25	11°10	14°14	17°58	7°54	14°52	0°16	4°36	18°24	28°41	27°41	26°27	n.a.	S 18
S 19	7 30 54	24°19'56	22°13	12°50	15°29	18°44	8° 2	14°58	0°17	4°39	18°25	28°38	27°38	26°33	n.a.	S 19
M20	7 34 50	25°20'21	5♈33	14°31	16°43	19°29	8°11	15° 4	0°19	4°41	18°27	28°35	27°35	26°40	n.a.	M20
T 21	7 38 47	26°20'44	18°27	16°13	17°58	20°15	8°19	15°10	0°20	4°43	18°29	28°34	27°32	26°47	n.a.	T 21
W22	7 42 43	27°21'04	0♉58	17°55	19°12	21° 1	8°27	15°16	0°21	4°45	18°30	28°D34	27°28	26°53	n.a.	W22
T 23	7 46 40	28°21'23	13°11	19°39	20°26	21°47	8°36	15°21	0°21	4°48	18°32	28°35	27°25	27° 0	n.a.	T 23
F 24	7 50 36	29°21'39	25°10	21°24	21°40	22°32	8°45	15°27	0°22	4°50	18°34	28°36	27°22	27° 7	n.a.	F 24
S 25	7 54 33	0♒21'54	7♊ 1	23° 9	22°55	23°18	8°54	15°33	0°23	4°52	18°35	28°38	27°19	27°13	n.a.	S 25
S 26	7 58 30	1°22'06	18°48	24°56	24° 9	24° 4	9° 3	15°39	0°24	4°55	18°37	28°40	27°16	27°20	n.a.	S 26
M27	8 2 26	2°22'17	0♋34	26°44	25°23	24°50	9°12	15°44	0°25	4°57	18°38	28°R40	27°13	27°26	n.a.	M27
T 28	8 6 23	3°22'25	12°25	28°33	26°37	25°36	9°21	15°50	0°25	4°59	18°40	28°39	27° 9	27°33	n.a.	T 28
W29	8 10 19	4°22'31	24°21	0♒22	27°51	26°21	9°30	15°55	0°26	5° 1	18°42	28°36	27° 6	27°40	n.a.	W29
T 30	8 14 16	5°22'35	6♌26	2°13	29° 5	27° 7	9°40	16° 1	0°26	5° 4	18°43	28°32	27° 3	27°46	n.a.	T 30
F 31	8 18 12	6♒22'37	18♌41	4♒ 5	0♓19	27♐53	9♈50	16♐ 6	0♏27	5♒ 6	18♐45	28♊26	27♊ 0	27♊53	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23s36	24n20	1n31	23s12	0s17	23s14	1s30	21s43	0s18	1n16	1s15	21s49	0n51	11s 9	0n26	20s 9	0s40	23s11	0n 0	23n45	23n45	23n17			n.a.
T 2	23 33	23 25	2 32	23 28	0 25	23 1	1 31	21 52	0 19	1 19	1 15	21 50	0 51	11 10	0 26	20 9	0 40	23 11	0 0	23 45	23 45	23 18			n.a.
F 3	23 30	21 25	3 27	23 44	0 32	22 48	1 31	22 1	0 20	1 21	1 14	21 51	0 51	11 10	0 26	20 8	0 40	23 11	0 0	23 45	23 44	23 19			n.a.
S 4	23 26	18 26	4 13	23 58	0 39	22 34	1 32	22 9	0 20	1 24	1 14	21 51	0 51	11 11	0 26	20 8	0 40	23 12	0 0	23 45	23 44	23 20			n.a.
S 5	23 21	14 36	4 48	24 12	0 46	22 19	1 32	22 17	0 21	1 27	1 14	21 52	0 51	11 12	0 26	20 7	0 40	23 12	0 0	23 45	23 44	23 21			n.a.
M 6	23 16	10 4	5 10	24 24	0 52	22 4	1 32	22 25	0 22	1 29	1 14	21 53	0 51	11 12	0 26	20 7	0 40	23 12	0s 0	23 45	23 44	23 22			n.a.
T 7	23 11	5 0	5 17	24 35	0 59	21 47	1 32	22 33	0 23	1 32	1 13	21 54	0 51	11 13	0 26	20 6	0 40	23 13	0 0	23 45	23 44	23 23			n.a.
W 8	23 5	0s24	5 8	24 45	1 5	21 31	1 32	22 41	0 23	1 35	1 13	21 55	0 51	11 13	0 26	20 6	0 40	23 13	0 0	23 45	23 44	23 24			n.a.
T 9	22 59	5 56	4 41	24 53	1 11	21 13	1 32	22 48	0 24	1 38	1 13	21 56	0 51	11 14	0 26	20 5	0 40	23 13	0 0	23 45	23 44	23 26			n.a.
F 10	22 52	11 21	3 58	25 1	1 16	20 56	1 32	22 55	0 25	1 41	1 12	21 56	0 51	11 14	0 26	20 4	0 40	23 13	0 0	23 45	23 44	23 27			n.a.
S 11	22 45	16 18	2 58	25 7	1 22	20 37	1 32	23 2	0 26	1 44	1 12	21 57	0 51	11 15	0 26	20 4	0 40	23 14	0 1	23 45	23 44	23 28			n.a.
S 12	22 37	20 24	1 46	25 11	1 27	20 18	1 32	23 8	0 26	1 47	1 12	21 58	0 51	11 16	0 26	20 3	0 40	23 14	0 1	23 45	23 44	23 29			n.a.
M13	22 29	23 12	0 25	25 14	1 31	19 58	1 32	23 15	0 27	1 50	1 11	21 59	0 51	11 16	0 26	20 3	0 40	23 14	0 1	23 45	23 44	23 30			n.a.
T 14	22 21	24 23	0s58	25 16	1 36	19 38	1 31	23 21	0 28	1 53	1 11	21 59	0 51	11 17	0 26	20 2	0 40	23 14	0 1	23 45	23 44	23 31			n.a.
W15	22 12	23 44	2 17	25 16	1 40	19 17	1 31	23 27	0 29	1 56	1 11	22 0	0 51	11 17	0 26	20 2	0 40	23 15	0 1	23 45	23 44	23 32			n.a.
T 16	22 2	21 25	3 26	25 15	1 44	18 56	1 30	23 32	0 29	2 0	1 11	22 1	0 51	11 17	0 26	20 1	0 40	23 15	0 1	23 45	23 44	23 33			n.a.
F 17	21 53	17 43	4 19	25 11	1 48	18 34	1 30	23 38	0 30	2 3	1 10	22 2	0 51	11 18	0 26	20 1	0 40	23 15	0 1	23 45	23 44	23 34			n.a.
S 18	21 42	13 4	4 55	25 7	1 51	18 12	1 29	23 43	0 31	2 6	1 10	22 2	0 51	11 18	0 26	20 0	0 40	23 15	0 1	23 45	23 44	23 35			n.a.
S 19	21 32	7 54	5 13	25 0	1 54	17 49	1 29	23 47	0 32	2 10	1 10	22 3	0 51	11 19	0 26	20 0	0 40	23 16	0 1	23 45	23 44	23 36			n.a.
M20	21 21	2 32	5 12	24 52	1 56	17 25	1 28	23 52	0 32	2 13	1 9	22 4	0 51	11 19	0 26	19 59	0 40	23 16	0 1	23 45	23 44	23 38			n.a.
T 21	21 9	2n46	4 56	24 42	1 58	17 1	1 27	23 56	0 33	2 17	1 9	22 4	0 51	11 19	0 26	19 59	0 40	23 16	0 1	23 45	23 44	23 39			n.a.
W22	20 58	7 49	4 26	24 31	2 0	16 37	1 26	24 0	0 34	2 21	1 9	22 5	0 51	11 20	0 26	19 58	0 40	23 16	0 2	23 45	23 44	23 40			n.a.
T 23	20 46	12 26	3 44	24 17	2 1	16 12	1 25	24 4	0 35	2 24	1 9	22 6	0 51	11 20	0 26	19 58	0 40	23 17	0 2	23 45	23 43	23 41			n.a.
F 24	20 33	16 30	2 54	24 2	2 2	15 47	1 24	24 8	0 35	2 28	1 8	22 6	0 51	11 20	0 26	19 57	0 40	23 17	0 2	23 45	23 43	23 42			n.a.
S 25	20 20	19 51	1 56	23 45	2 3	15 22	1 23	24 11	0 36	2 32	1 8	22 7	0 51	11 21	0 26	19 56	0 40	23 17	0 2	23 45	23 43	23 43			n.a.
S 26	20 7	22 23	0 54	23 26	2 3	14 56	1 22	24 14	0 37	2 36	1 8	22 8	0 51	11 21	0 26	19 56	0 40	23 17	0 2	23 45	23 43	23 44			n.a.
M27	19 53	23 55	0n10	23 5	2 2	14 29	1 21	24 17	0 38	2 39	1 8	22 8	0 50	11 21	0 26	19 55	0 40	23 17	0 2	23 45	23 43	23 45			n.a.
T 28	19 39	24 24	1 14	22 42	2 1	14 3	1 19	24 19	0 38	2 43	1 7	22 9	0 50	11 21	0 26	19 55	0 40	23 18	0 2	23 45	23 43	23 46			n.a.
W29	19 25	23 45	2 16	22 17	2 0	13 35	1 18	24 21	0 39	2 47	1 7	22 10	0 50	11 21	0 27	19 54	0 40	23 18	0 2	23 45	23 43	23 47			n.a.
T 30	19 10	21 59	3 11	21 50	1 58	13 8	1 17	24 23	0 40	2 51	1 7	22 10	0 50	11 22	0 27	19 54	0 40	23 18	0 2	23 45	23 43	23 48			n.a.
F 31	18s55	19n12	3n59	21s21	1s56	12s40	1s15	24s25	0s41	2n55	1s 7	22s11	0n50	11s22	0n27	19s53	0s40	23s18	0s 2	23n44	23n43	23n49			n.a.

Julian Day Number = 1554869.5, Delta T = 04h28m16s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'12, Lahiri = -10°15'12 Julian Calendar 1 Jan. 456 BCE == Greg. Calendar 27 Dec. 457 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

FEBRUARY 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 22 9	7♒22'37	1♍ 6	5♒58	1♓33	28♐39	9♈59	16♐11	0♏27	5♒ 8	18♐46	28°R19	26♊57	28♊ 0	n.a.	S 1
S 2	8 26 5	8°22'36	13°44	7°52	2°47	29°25	10° 9	16°16	0°28	5°10	18°48	28♊11	26°54	28° 6	n.a.	S 2
M 3	8 30 2	9°22'32	26°34	9°46	4° 1	0♑11	10°19	16°22	0°28	5°13	18°49	28° 5	26°50	28°13	n.a.	M 3
T 4	8 33 59	10°22'26	9♎37	11°42	5°15	0°57	10°29	16°27	0°28	5°15	18°50	27°59	26°47	28°20	n.a.	T 4
W 5	8 37 55	11°22'19	22°54	13°38	6°29	1°43	10°39	16°32	0°29	5°17	18°52	27°56	26°44	28°26	n.a.	W 5
T 6	8 41 52	12°22'10	6♏27	15°35	7°42	2°29	10°50	16°37	0°29	5°20	18°53	27°D54	26°41	28°33	n.a.	T 6
F 7	8 45 48	13°21'59	20°15	17°33	8°56	3°15	11° 0	16°42	0°29	5°22	18°54	27°54	26°38	28°40	n.a.	F 7
S 8	8 49 45	14°21'46	4♐21	19°31	10°10	4° 1	11°11	16°47	0°29	5°24	18°56	27°55	26°34	28°46	n.a.	S 8
S 9	8 53 41	15°21'32	18°42	21°30	11°23	4°47	11°21	16°51	0°R29	5°26	18°57	27°56	26°31	28°53	n.a.	S 9
M10	8 57 38	16°21'16	3♑17	23°28	12°37	5°33	11°32	16°56	0°29	5°29	18°58	27°R56	26°28	29° 0	n.a.	M10
T 11	9 1 34	17°20'58	18° 1	25°27	13°51	6°19	11°43	17° 1	0°29	5°31	19° 0	27°55	26°25	29° 6	n.a.	T 11
W12	9 5 31	18°20'38	2♒49	27°25	15° 4	7° 5	11°54	17° 5	0°29	5°33	19° 1	27°51	26°22	29°13	n.a.	W12
T 13	9 9 28	19°20'16	17°34	29°23	16°17	7°51	12° 5	17°10	0°28	5°35	19° 2	27°44	26°19	29°19	n.a.	T 13
F 14	9 13 24	20°19'52	2♓ 6	1♓19	17°31	8°37	12°16	17°14	0°28	5°37	19° 3	27°36	26°15	29°26	n.a.	F 14
S 15	9 17 21	21°19'26	16°21	3°14	18°44	9°23	12°27	17°18	0°28	5°40	19° 4	27°27	26°12	29°33	n.a.	S 15
S 16	9 21 17	22°18'57	0♈11	5° 8	19°58	10° 9	12°38	17°23	0°27	5°42	19° 5	27°19	26° 9	29°39	n.a.	S 16
M17	9 25 14	23°18'26	13°36	6°59	21°11	10°55	12°50	17°27	0°27	5°44	19° 7	27°11	26° 6	29°46	n.a.	M17
T 18	9 29 10	24°17'52	26°34	8°48	22°24	11°42	13° 1	17°31	0°26	5°46	19° 8	27° 5	26° 3	29°53	n.a.	T 18
W19	9 33 7	25°17'16	9♉ 9	10°34	23°37	12°28	13°13	17°35	0°26	5°48	19° 9	27° 2	26° 0	29°59	n.a.	W19
T 20	9 37 3	26°16'38	21°25	12°16	24°50	13°14	13°24	17°39	0°25	5°51	19°10	27°D 0	25°56	0♋ 6	n.a.	T 20
F 21	9 41 0	27°15'58	3♊25	13°54	26° 3	14° 0	13°36	17°43	0°25	5°53	19°11	27° 0	25°53	0°13	n.a.	F 21
S 22	9 44 56	28°15'15	15°16	15°28	27°16	14°46	13°48	17°47	0°24	5°55	19°12	27° 1	25°50	0°19	n.a.	S 22
S 23	9 48 53	29°14'29	27° 3	16°57	28°29	15°32	14° 0	17°50	0°23	5°57	19°13	27°R 1	25°47	0°26	n.a.	S 23
M24	9 52 50	0♓13'41	8♋51	18°22	29°42	16°18	14°11	17°54	0°23	5°59	19°14	27° 1	25°44	0°33	n.a.	M24
T 25	9 56 46	1°12'51	20°45	19°40	0♈55	17° 4	14°23	17°57	0°22	6° 1	19°14	26°58	25°40	0°39	n.a.	T 25
W26	10 0 43	2°11'59	2♌48	20°53	2° 8	17°50	14°36	18° 1	0°21	6° 3	19°15	26°52	25°37	0°46	n.a.	W26
T 27	10 4 39	3°11'04	15° 4	22° 1	3°20	18°37	14°48	18° 4	0°20	6° 5	19°16	26°44	25°34	0°52	n.a.	T 27
F 28	10 8 36	4♓10'07	27♌33	23♓ 1	4♈33	19♑23	15♈ 0	18♐ 8	0♏19	6♒ 8	19♐17	26♊34	25♊31	0♋59	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s40	15n30	4n36	20s51	1s53	12s12	1s13	24s26	0s41	2n59	1s 6	22s11	0n50	11s22	0n27	19s53	0s40	23s19	0s 2	23n44	23n43	23n50		n.a.
S 2	18 24	11 5	5 0	20 18	1 49	11 44	1 12	24 27	0 42	3 4	1 6	22 12	0 50	11 22	0 27	19 52	0 40	23 19	0 3	23 44	23 43	23 51		n.a.
M 3	18 8	6 6	5 10	19 43	1 45	11 15	1 10	24 28	0 43	3 8	1 6	22 12	0 50	11 22	0 27	19 51	0 40	23 19	0 3	23 44	23 43	23 52		n.a.
T 4	17 52	0 47	5 3	19 6	1 40	10 46	1 8	24 29	0 44	3 12	1 6	22 13	0 50	11 22	0 27	19 51	0 40	23 19	0 3	23 44	23 43	23 53		n.a.
W 5	17 36	4s40	4 41	18 28	1 35	10 17	1 7	24 29	0 45	3 16	1 5	22 13	0 50	11 22	0 27	19 50	0 40	23 19	0 3	23 44	23 43	23 54		n.a.
T 6	17 19	10 2	4 3	17 47	1 29	9 47	1 5	24 29	0 45	3 20	1 5	22 14	0 50	11 22	0 27	19 50	0 40	23 20	0 3	23 44	23 42	23 55		n.a.
F 7	17 2	15 0	3 10	17 5	1 23	9 17	1 3	24 29	0 46	3 25	1 5	22 14	0 50	11 22	0 27	19 49	0 40	23 20	0 3	23 44	23 42	23 56		n.a.
S 8	16 44	19 15	2 4	16 21	1 16	8 47	1 1	24 28	0 47	3 29	1 5	22 15	0 50	11 22	0 27	19 49	0 40	23 20	0 3	23 44	23 42	23 57		n.a.
S 9	16 26	22 26	0 50	15 36	1 8	8 17	0 59	24 27	0 48	3 34	1 5	22 15	0 50	11 22	0 27	19 48	0 40	23 20	0 3	23 44	23 42	23 57		n.a.
M10	16 8	24 11	0s29	14 48	1 0	7 47	0 57	24 26	0 48	3 38	1 4	22 16	0 50	11 22	0 27	19 48	0 40	23 20	0 3	23 44	23 42	23 58		n.a.
T 11	15 50	24 16	1 46	14 0	0 51	7 16	0 54	24 25	0 49	3 43	1 4	22 16	0 50	11 22	0 27	19 47	0 40	23 21	0 3	23 44	23 42	23 59		n.a.
W12	15 32	22 39	2 57	13 10	0 41	6 45	0 52	24 23	0 50	3 47	1 4	22 17	0 50	11 22	0 27	19 47	0 40	23 21	0 3	23 44	23 42	24 0		n.a.
T 13	15 13	19 29	3 55	12 19	0 31	6 15	0 50	24 21	0 51	3 52	1 4	22 17	0 50	11 22	0 27	19 46	0 40	23 21	0 4	23 44	23 42	24 1		n.a.
F 14	14 54	15 9	4 37	11 28	0 20	5 43	0 48	24 19	0 51	3 56	1 3	22 18	0 50	11 22	0 27	19 46	0 40	23 21	0 4	23 44	23 42	24 2		n.a.
S 15	14 35	10 3	5 1	10 36	0 9	5 12	0 45	24 17	0 52	4 1	1 3	22 18	0 50	11 22	0 27	19 45	0 40	23 21	0 4	23 44	23 42	24 3		n.a.
S 16	14 15	4 35	5 6	9 43	0n 2	4 41	0 43	24 14	0 53	4 5	1 3	22 18	0 50	11 22	0 27	19 44	0 40	23 22	0 4	23 43	23 42	24 4		n.a.
M17	13 56	0n56	4 54	8 50	0 14	4 9	0 40	24 11	0 54	4 10	1 3	22 19	0 50	11 22	0 27	19 44	0 40	23 22	0 4	23 43	23 42	24 5		n.a.
T 18	13 36	6 14	4 27	7 58	0 27	3 38	0 38	24 8	0 54	4 15	1 3	22 19	0 50	11 21	0 27	19 43	0 40	23 22	0 4	23 43	23 41	24 6		n.a.
W19	13 16	11 8	3 48	7 6	0 39	3 6	0 35	24 4	0 55	4 19	1 2	22 20	0 50	11 21	0 27	19 43	0 40	23 22	0 4	23 43	23 41	24 7		n.a.
T 20	12 55	15 28	2 59	6 15	0 52	2 34	0 33	24 0	0 56	4 24	1 2	22 20	0 50	11 21	0 27	19 42	0 40	23 22	0 4	23 43	23 41	24 7		n.a.
F 21	12 35	19 6	2 3	5 25	1 5	2 3	0 30	23 56	0 56	4 29	1 2	22 20	0 50	11 21	0 27	19 42	0 40	23 23	0 4	23 43	23 41	24 8		n.a.
S 22	12 14	21 53	1 3	4 36	1 18	1 31	0 27	23 52	0 57	4 34	1 2	22 21	0 50	11 20	0 27	19 41	0 40	23 23	0 4	23 43	23 41	24 9		n.a.
S 23	11 53	23 43	0n 0	3 50	1 31	0 59	0 24	23 47	0 58	4 39	1 2	22 21	0 50	11 20	0 27	19 41	0 40	23 23	0 5	23 43	23 41	24 10		n.a.
M24	11 32	24 30	1 3	3 5	1 43	0 27	0 22	23 43	0 59	4 43	1 1	22 21	0 50	11 20	0 27	19 40	0 40	23 23	0 5	23 43	23 41	24 11		n.a.
T 25	11 11	24 9	2 3	2 22	1 55	0n 5	0 19	23 38	0 59	4 48	1 1	22 22	0 50	11 20	0 27	19 40	0 40	23 23	0 5	23 43	23 41	24 12		n.a.
W26	10 50	22 41	2 59	1 43	2 7	0 37	0 16	23 32	1 0	4 53	1 1	22 22	0 50	11 19	0 27	19 39	0 40	23 23	0 5	23 43	23 41	24 13		n.a.
T 27	10 28	20 8	3 47	1 5	2 19	1 9	0 13	23 27	1 1	4 58	1 1	22 22	0 50	11 19	0 27	19 39	0 40	23 24	0 5	23 43	23 41	24 13		n.a.
F 28	10s 6	16n37	4n25	0s31	2n30	1n40	0s10	23s21	1s 1	5n 3	1s 1	22s23	0n50	11s19	0n27	19s38	0s40	23s24	0s 5	23n42	23n40	24n14		n.a.

Julian Day Number = 1554900.5, Delta T = 04h28m14s
Ecliptic obliquity = 23°45'02, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'08, Lahiri = -10°15'08 Julian Calendar 1 Feb. 456 BCE == Greg. Calendar 27 Jan. 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

MARCH 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 12 32	5♓ 9'08	10♍17	23♓56	5♈45	20♑ 9	15♈12	18♐11	0°R18	6♒10	19♐18	26°R23	25♊28	1♋ 6	n.a.	S 1
S 2	10 16 29	6° 8'06	23°15	24°43	6°58	20°55	15°25	18°14	0♏17	6°12	19°18	26♊11	25°25	1°12	n.a.	S 2
M 3	10 20 25	7° 7'03	6♎26	25°24	8°10	21°41	15°37	18°17	0°16	6°14	19°19	25°59	25°21	1°19	n.a.	M 3
T 4	10 24 22	8° 5'57	19°49	25°58	9°23	22°27	15°50	18°20	0°15	6°16	19°20	25°50	25°18	1°26	n.a.	T 4
W 5	10 28 18	9° 4'50	3♏23	26°25	10°35	23°13	16° 2	18°23	0°13	6°18	19°20	25°43	25°15	1°32	n.a.	W 5
T 6	10 32 15	10° 3'41	17° 6	26°46	11°47	23°59	16°15	18°26	0°12	6°20	19°21	25°38	25°12	1°39	n.a.	T 6
F 7	10 36 12	11° 2'30	0♐57	26°59	12°59	24°45	16°27	18°28	0°11	6°22	19°22	25°37	25° 9	1°46	n.a.	F 7
S 8	10 40 8	12° 1'17	14°58	27° 6	14°12	25°31	16°40	18°31	0° 9	6°24	19°22	25°D36	25° 5	1°52	n.a.	S 8
S 9	10 44 5	13° 0'03	29° 6	27°R 6	15°24	26°18	16°53	18°33	0° 8	6°25	19°23	25°R36	25° 2	1°59	n.a.	S 9
M10	10 48 1	13°58'46	13♑21	26°59	16°36	27° 4	17° 6	18°36	0° 7	6°27	19°23	25°36	24°59	2° 6	n.a.	M10
T 11	10 51 58	14°57'28	27°42	26°47	17°48	27°50	17°19	18°38	0° 5	6°29	19°24	25°33	24°56	2°12	n.a.	T 11
W12	10 55 54	15°56'08	12♒ 5	26°29	18°59	28°36	17°32	18°40	0° 4	6°31	19°24	25°27	24°53	2°19	n.a.	W12
T 13	10 59 51	16°54'47	26°25	26° 6	20°11	29°22	17°45	18°42	0° 2	6°33	19°25	25°18	24°50	2°26	n.a.	T 13
F 14	11 3 47	17°53'23	10♓36	25°37	21°23	0♒ 8	17°58	18°44	0° 1	6°35	19°25	25° 7	24°46	2°32	n.a.	F 14
S 15	11 7 44	18°51'57	24°34	25° 5	22°34	0°54	18°11	18°46	29♎59	6°37	19°25	24°55	24°43	2°39	n.a.	S 15
S 16	11 11 41	19°50'29	8♈14	24°29	23°46	1°40	18°24	18°48	29°57	6°38	19°26	24°43	24°40	2°45	n.a.	S 16
M17	11 15 37	20°48'59	21°32	23°51	24°57	2°26	18°37	18°50	29°55	6°40	19°26	24°32	24°37	2°52	n.a.	M17
T 18	11 19 34	21°47'27	4♉28	23°10	26° 9	3°12	18°50	18°52	29°54	6°42	19°26	24°23	24°34	2°59	n.a.	T 18
W19	11 23 30	22°45'53	17° 2	22°28	27°20	3°58	19° 4	18°53	29°52	6°44	19°27	24°17	24°31	3° 5	n.a.	W19
T 20	11 27 27	23°44'16	29°18	21°46	28°31	4°44	19°17	18°55	29°50	6°45	19°27	24°13	24°27	3°12	n.a.	T 20
F 21	11 31 23	24°42'38	11♊20	21° 4	29°43	5°30	19°30	18°56	29°48	6°47	19°27	24°12	24°24	3°19	n.a.	F 21
S 22	11 35 20	25°40'57	23°12	20°23	0♉54	6°15	19°44	18°57	29°46	6°49	19°27	24°12	24°21	3°25	n.a.	S 22
S 23	11 39 16	26°39'14	5♋ 0	19°44	2° 5	7° 1	19°57	18°59	29°44	6°50	19°27	24°11	24°18	3°32	n.a.	S 23
M24	11 43 13	27°37'29	16°50	19° 7	3°16	7°47	20°11	19° 0	29°42	6°52	19°27	24°10	24°15	3°39	n.a.	M24
T 25	11 47 9	28°35'42	28°46	18°33	4°26	8°33	20°24	19° 1	29°41	6°53	19°28	24° 8	24°11	3°45	n.a.	T 25
W26	11 51 6	29°33'53	10♌54	18° 2	5°37	9°19	20°38	19° 1	29°38	6°55	19°28	24° 2	24° 8	3°52	n.a.	W26
T 27	11 55 3	0♈32'01	23°18	17°36	6°48	10° 5	20°51	19° 2	29°36	6°57	19°R28	23°54	24° 5	3°59	n.a.	T 27
F 28	11 58 59	1°30'08	5♍59	17°13	7°58	10°50	21° 5	19° 3	29°34	6°58	19°28	23°44	24° 2	4° 5	n.a.	F 28
S 29	12 2 56	2°28'12	18°59	16°55	9° 9	11°36	21°19	19° 4	29°32	7° 0	19°28	23°32	23°59	4°12	n.a.	S 29
S 30	12 6 52	3°26'15	2♎17	16°42	10°19	12°22	21°32	19° 4	29°30	7° 1	19°27	23°20	23°56	4°19	n.a.	S 30
M31	12 10 49	4♈24'16	15♎52	16♓34	11♉29	13♒ 7	21♈46	19♐ 4	29♎28	7♒ 2	19♐27	23♊ 8	23♊52	4♋25	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s45	12n17	4n50	0s 0	2n40	2n12	0s 7	23s15	1s 2	5n 8	1s 0	22s23	0n50	11s18	0n27	19s38	0s40	23s24	0s 5	23n42	23n40	24n15		n.a.
S 2	9 23	7 19	5 2	0n27	2 49	2 44	0 4	23 8	1 3	5 13	1 0	22 23	0 50	11 18	0 27	19 37	0 40	23 24	0 5	23 42	23 40	24 16		n.a.
M 3	9 1	1 57	4 57	0 52	2 58	3 16	0 1	23 1	1 4	5 18	1 0	22 23	0 50	11 17	0 27	19 37	0 41	23 24	0 5	23 41	23 40	24 17		n.a.
T 4	8 38	3s35	4 36	1 12	3 5	3 47	0n 2	22 55	1 4	5 23	1 0	22 24	0 50	11 17	0 27	19 36	0 41	23 24	0 5	23 41	23 40	24 18		n.a.
W 5	8 16	9 3	4 0	1 29	3 12	4 19	0 5	22 47	1 5	5 28	1 0	22 24	0 50	11 17	0 27	19 36	0 41	23 24	0 5	23 41	23 40	24 18		n.a.
T 6	7 54	14 8	3 9	1 42	3 17	4 50	0 8	22 40	1 6	5 33	1 0	22 24	0 50	11 16	0 27	19 35	0 41	23 25	0 6	23 41	23 40	24 19		n.a.
F 7	7 31	18 33	2 7	1 51	3 21	5 22	0 11	22 32	1 6	5 38	0 59	22 24	0 50	11 16	0 27	19 35	0 41	23 25	0 6	23 41	23 40	24 20		n.a.
S 8	7 8	21 58	0 56	1 56	3 24	5 53	0 14	22 25	1 7	5 43	0 59	22 25	0 50	11 15	0 27	19 34	0 41	23 25	0 6	23 41	23 40	24 21		n.a.
S 9	6 46	24 3	0s19	1 58	3 25	6 24	0 17	22 17	1 8	5 48	0 59	22 25	0 50	11 15	0 27	19 34	0 41	23 25	0 6	23 41	23 39	24 22		n.a.
M10	6 23	24 36	1 33	1 55	3 25	6 55	0 20	22 8	1 8	5 54	0 59	22 25	0 50	11 14	0 27	19 33	0 41	23 25	0 6	23 41	23 39	24 22		n.a.
T 11	6 0	23 31	2 41	1 49	3 24	7 26	0 24	22 0	1 9	5 59	0 59	22 25	0 50	11 14	0 27	19 33	0 41	23 25	0 6	23 40	23 39	24 23		n.a.
W12	5 37	20 54	3 40	1 39	3 21	7 57	0 27	21 51	1 10	6 4	0 59	22 25	0 50	11 13	0 27	19 33	0 41	23 25	0 6	23 40	23 39	24 24		n.a.
T 13	5 14	17 0	4 24	1 25	3 16	8 27	0 30	21 42	1 10	6 9	0 59	22 26	0 50	11 12	0 27	19 32	0 41	23 26	0 6	23 40	23 39	24 25		n.a.
F 14	4 51	12 10	4 51	1 8	3 10	8 57	0 33	21 33	1 11	6 14	0 58	22 26	0 50	11 12	0 27	19 32	0 41	23 26	0 6	23 40	23 39	24 25		n.a.
S 15	4 28	6 46	5 1	0 49	3 3	9 27	0 36	21 23	1 12	6 19	0 58	22 26	0 50	11 11	0 27	19 31	0 41	23 26	0 6	23 39	23 39	24 26		n.a.
S 16	4 4	1 10	4 52	0 26	2 53	9 57	0 39	21 13	1 12	6 25	0 58	22 26	0 50	11 11	0 27	19 31	0 41	23 26	0 7	23 39	23 39	24 27		n.a.
M17	3 41	4n21	4 28	0 1	2 43	10 27	0 43	21 3	1 13	6 30	0 58	22 26	0 50	11 10	0 27	19 30	0 41	23 26	0 7	23 38	23 38	24 28		n.a.
T 18	3 18	9 33	3 51	0s26	2 31	10 56	0 46	20 53	1 14	6 35	0 58	22 26	0 50	11 9	0 27	19 30	0 41	23 26	0 7	23 38	23 38	24 28		n.a.
W19	2 54	14 13	3 3	0 55	2 18	11 25	0 49	20 43	1 14	6 40	0 58	22 26	0 50	11 9	0 27	19 30	0 41	23 26	0 7	23 38	23 38	24 29		n.a.
T 20	2 31	18 11	2 8	1 24	2 4	11 54	0 52	20 32	1 15	6 46	0 58	22 27	0 51	11 8	0 27	19 29	0 41	23 26	0 7	23 37	23 38	24 30		n.a.
F 21	2 8	21 19	1 8	1 55	1 50	12 23	0 55	20 22	1 16	6 51	0 57	22 27	0 51	11 8	0 27	19 29	0 41	23 27	0 7	23 37	23 38	24 30		n.a.
S 22	1 44	23 29	0 5	2 25	1 34	12 51	0 59	20 11	1 16	6 56	0 57	22 27	0 51	11 7	0 27	19 28	0 41	23 27	0 7	23 37	23 38	24 31		n.a.
S 23	1 21	24 36	0n57	2 55	1 18	13 19	1 2	20 0	1 17	7 1	0 57	22 27	0 51	11 6	0 27	19 28	0 41	23 27	0 7	23 37	23 38	24 32		n.a.
M24	0 57	24 36	1 57	3 25	1 2	13 47	1 5	19 48	1 17	7 7	0 57	22 27	0 51	11 5	0 27	19 28	0 41	23 27	0 7	23 37	23 37	24 33		n.a.
T 25	0 34	23 29	2 52	3 54	0 45	14 14	1 8	19 37	1 18	7 12	0 57	22 27	0 51	11 5	0 27	19 27	0 41	23 27	0 7	23 37	23 37	24 33		n.a.
W26	0 11	21 15	3 41	4 21	0 29	14 41	1 11	19 25	1 19	7 17	0 57	22 27	0 51	11 4	0 27	19 27	0 41	23 27	0 8	23 37	23 37	24 34		n.a.
T 27	0n13	18 0	4 20	4 46	0 12	15 8	1 14	19 13	1 19	7 22	0 57	22 27	0 51	11 3	0 27	19 26	0 41	23 27	0 8	23 37	23 37	24 35		n.a.
F 28	0 36	13 52	4 47	5 10	0s 4	15 34	1 17	19 1	1 20	7 28	0 56	22 27	0 51	11 3	0 27	19 26	0 41	23 27	0 8	23 36	23 37	24 35		n.a.
S 29	1 0	9 0	5 0	5 32	0 20	16 0	1 20	18 49	1 20	7 33	0 56	22 27	0 51	11 2	0 27	19 26	0 41	23 27	0 8	23 35	23 37	24 36		n.a.
S 30	1 23	3 37	4 57	5 51	0 35	16 25	1 23	18 36	1 21	7 38	0 56	22 27	0 51	11 1	0 27	19 25	0 41	23 27	0 8	23 35	23 37	24 37		n.a.
M31	1n46	2s 3	4n38	6s 8	0s50	16n50	1n26	18s24	1s21	7n43	0s56	22s27	0n51	11s 0	0n27	19s25	0s41	23s28	0s 8	23n34	23n36	24n37		n.a.

Julian Day Number = 1554928.5, Delta T = 04h28m13s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'04, Lahiri = -10°15'04 Julian Calendar 1 March 456 BCE == Greg. Calendar 24 Feb. 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

APRIL 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 14 45	5♈22'15	29♎40	16°D30	12♉39	13♒53	22♈ 0	19♐ 5	29°R26	7♒ 4	19°R27	22°R58	23♊49	4♋32	n.a.	T 1
W 2	12 18 42	6°20'13	13♏37	16♓31	13°49	14°39	22°13	19° 5	29♎24	7° 5	19♐27	22♊51	23°46	4°38	n.a.	W 2
T 3	12 22 38	7°18'09	27°41	16°37	14°59	15°24	22°27	19° 5	29°21	7° 7	19°27	22°46	23°43	4°45	n.a.	T 3
F 4	12 26 35	8°16'04	11♐48	16°47	16° 9	16°10	22°41	19°R 5	29°19	7° 8	19°27	22°44	23°40	4°52	n.a.	F 4
S 5	12 30 32	9°13'58	25°56	17° 2	17°19	16°55	22°55	19° 5	29°17	7° 9	19°26	22°D44	23°37	4°58	n.a.	S 5
S 6	12 34 28	10°11'50	10♑ 4	17°22	18°29	17°41	23° 9	19° 5	29°15	7°11	19°26	22°R44	23°33	5° 5	n.a.	S 6
M 7	12 38 25	11° 9'41	24°11	17°46	19°38	18°26	23°23	19° 5	29°12	7°12	19°26	22°44	23°30	5°12	n.a.	M 7
T 8	12 42 21	12° 7'31	8♒15	18°14	20°48	19°12	23°36	19° 4	29°10	7°13	19°25	22°41	23°27	5°18	n.a.	T 8
W 9	12 46 18	13° 5'19	22°15	18°47	21°57	19°57	23°50	19° 4	29° 8	7°14	19°25	22°36	23°24	5°25	n.a.	W 9
T 10	12 50 14	14° 3'06	6♓ 9	19°23	23° 6	20°43	24° 4	19° 3	29° 5	7°15	19°25	22°29	23°21	5°32	n.a.	T 10
F 11	12 54 11	15° 0'51	19°55	20° 4	24°15	21°28	24°18	19° 3	29° 3	7°16	19°24	22°19	23°17	5°38	n.a.	F 11
S 12	12 58 7	15°58'35	3♈28	20°48	25°24	22°13	24°32	19° 2	29° 0	7°18	19°24	22° 9	23°14	5°45	n.a.	S 12
S 13	13 2 4	16°56'18	16°47	21°35	26°33	22°59	24°46	19° 1	28°58	7°19	19°23	21°58	23°11	5°52	n.a.	S 13
M14	13 6 1	17°53'59	29°49	22°26	27°42	23°44	25° 0	19° 0	28°55	7°20	19°23	21°48	23° 8	5°58	n.a.	M14
T 15	13 9 57	18°51'39	12♉34	23°21	28°50	24°29	25°14	18°59	28°53	7°21	19°22	21°40	23° 5	6° 5	n.a.	T 15
W16	13 13 54	19°49'18	25° 1	24°19	29°59	25°14	25°28	18°58	28°51	7°22	19°22	21°34	23° 2	6°12	n.a.	W16
T 17	13 17 50	20°46'55	7♊13	25°19	1♊ 7	25°59	25°42	18°57	28°48	7°23	19°21	21°31	22°58	6°18	n.a.	T 17
F 18	13 21 47	21°44'30	19°13	26°23	2°16	26°44	25°56	18°55	28°46	7°24	19°21	21°D30	22°55	6°25	n.a.	F 18
S 19	13 25 43	22°42'04	1♋ 4	27°30	3°24	27°29	26°10	18°54	28°43	7°24	19°20	21°30	22°52	6°31	n.a.	S 19
S 20	13 29 40	23°39'36	12°53	28°40	4°32	28°14	26°24	18°52	28°41	7°25	19°19	21°31	22°49	6°38	n.a.	S 20
M21	13 33 36	24°37'07	24°43	29°52	5°39	28°59	26°38	18°51	28°38	7°26	19°19	21°R31	22°46	6°45	n.a.	M21
T 22	13 37 33	25°34'36	6♌41	1♈ 7	6°47	29°44	26°52	18°49	28°36	7°27	19°18	21°31	22°42	6°51	n.a.	T 22
W23	13 41 30	26°32'04	18°51	2°25	7°55	0♓29	27° 6	18°47	28°33	7°28	19°17	21°28	22°39	6°58	n.a.	W23
T 24	13 45 26	27°29'31	1♍17	3°46	9° 2	1°14	27°20	18°45	28°31	7°28	19°17	21°23	22°36	7° 5	n.a.	T 24
F 25	13 49 23	28°26'56	14° 4	5° 9	10° 9	1°58	27°34	18°43	28°28	7°29	19°16	21°17	22°33	7°11	n.a.	F 25
S 26	13 53 19	29°24'19	27°14	6°35	11°16	2°43	27°48	18°41	28°26	7°30	19°15	21° 9	22°30	7°18	n.a.	S 26
S 27	13 57 16	0♉21'42	10♎46	8° 3	12°23	3°28	28° 2	18°39	28°23	7°30	19°14	21° 1	22°27	7°25	n.a.	S 27
M28	14 1 12	1°19'03	24°39	9°34	13°30	4°12	28°16	18°37	28°21	7°31	19°13	20°53	22°23	7°31	n.a.	M28
T 29	14 5 9	2°16'23	8♏49	11° 7	14°36	4°57	28°30	18°35	28°18	7°32	19°12	20°46	22°20	7°38	n.a.	T 29
W30	14 9 5	3♉13'43	23♏12	12♈43	15♊43	5♓41	28♈44	18♐32	28♎16	7♒32	19♐12	20♊41	22♊17	7♋45	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n10	7s43	4n 2	6s22	1s 4	17n15	1n29	18s11	1s22	7n49	0s56	22s27	0n51	10s59	0n27	19s25	0s41	23s28	0s 8	23n34	23n36	24n38		n.a.
W 2	2 33	13 5	3 11	6 34	1 17	17 39	1 32	17 58	1 23	7 54	0 56	22 27	0 51	10 59	0 27	19 24	0 41	23 28	0 8	23 33	23 36	24 38		n.a.
T 3	2 56	17 49	2 9	6 44	1 30	18 3	1 35	17 45	1 23	7 59	0 56	22 27	0 51	10 58	0 27	19 24	0 41	23 28	0 8	23 33	23 36	24 39		n.a.
F 4	3 19	21 33	0 58	6 51	1 42	18 27	1 38	17 32	1 24	8 5	0 56	22 27	0 51	10 57	0 27	19 24	0 41	23 28	0 8	23 33	23 36	24 40		n.a.
S 5	3 42	23 58	0s17	6 55	1 53	18 50	1 41	17 18	1 24	8 10	0 56	22 27	0 51	10 56	0 27	19 23	0 41	23 28	0 8	23 33	23 36	24 40		n.a.
S 6	4 5	24 52	1 31	6 56	2 3	19 12	1 43	17 5	1 25	8 15	0 55	22 27	0 51	10 55	0 27	19 23	0 41	23 28	0 9	23 33	23 35	24 41		n.a.
M 7	4 28	24 10	2 39	6 56	2 13	19 34	1 46	16 51	1 25	8 20	0 55	22 27	0 51	10 55	0 27	19 23	0 41	23 28	0 9	23 33	23 35	24 42		n.a.
T 8	4 51	21 56	3 37	6 52	2 21	19 56	1 49	16 37	1 26	8 26	0 55	22 27	0 51	10 54	0 27	19 23	0 42	23 28	0 9	23 33	23 35	24 42		n.a.
W 9	5 14	18 23	4 22	6 47	2 29	20 17	1 51	16 23	1 26	8 31	0 55	22 27	0 51	10 53	0 27	19 22	0 42	23 28	0 9	23 32	23 35	24 43		n.a.
T 10	5 37	13 51	4 51	6 38	2 36	20 37	1 54	16 9	1 27	8 36	0 55	22 27	0 51	10 52	0 27	19 22	0 42	23 28	0 9	23 32	23 35	24 43		n.a.
F 11	5 59	8 40	5 2	6 28	2 42	20 58	1 56	15 54	1 27	8 41	0 55	22 27	0 51	10 51	0 27	19 22	0 42	23 28	0 9	23 32	23 35	24 44		n.a.
S 12	6 22	3 8	4 57	6 15	2 48	21 17	1 59	15 40	1 28	8 47	0 55	22 27	0 51	10 50	0 27	19 22	0 42	23 28	0 9	23 31	23 35	24 44		n.a.
S 13	6 44	2n27	4 35	6 1	2 52	21 36	2 1	15 25	1 28	8 52	0 55	22 27	0 51	10 49	0 27	19 21	0 42	23 28	0 9	23 30	23 34	24 45		n.a.
M14	7 7	7 49	3 59	5 44	2 56	21 54	2 4	15 11	1 29	8 57	0 55	22 27	0 51	10 49	0 27	19 21	0 42	23 29	0 9	23 30	23 34	24 46		n.a.
T 15	7 29	12 45	3 12	5 25	2 59	22 12	2 6	14 56	1 29	9 2	0 55	22 27	0 51	10 48	0 27	19 21	0 42	23 29	0 9	23 29	23 34	24 46		n.a.
W16	7 51	17 3	2 17	5 4	3 1	22 30	2 8	14 41	1 30	9 8	0 54	22 27	0 51	10 47	0 27	19 21	0 42	23 29	0 10	23 29	23 34	24 47		n.a.
T 17	8 13	20 33	1 16	4 41	3 3	22 46	2 10	14 26	1 30	9 13	0 54	22 27	0 51	10 46	0 27	19 20	0 42	23 29	0 10	23 29	23 34	24 47		n.a.
F 18	8 35	23 6	0 12	4 16	3 4	23 3	2 12	14 11	1 30	9 18	0 54	22 27	0 51	10 45	0 27	19 20	0 42	23 29	0 10	23 28	23 34	24 48		n.a.
S 19	8 57	24 36	0n51	3 49	3 4	23 18	2 14	13 55	1 31	9 23	0 54	22 26	0 51	10 44	0 27	19 20	0 42	23 29	0 10	23 28	23 33	24 48		n.a.
S 20	9 18	24 59	1 52	3 20	3 3	23 33	2 16	13 40	1 31	9 29	0 54	22 26	0 51	10 43	0 27	19 20	0 42	23 29	0 10	23 29	23 33	24 49		n.a.
M21	9 40	24 13	2 49	2 50	3 2	23 47	2 18	13 24	1 32	9 34	0 54	22 26	0 51	10 42	0 27	19 20	0 42	23 29	0 10	23 29	23 33	24 49		n.a.
T 22	10 1	22 22	3 38	2 18	3 0	24 1	2 20	13 9	1 32	9 39	0 54	22 26	0 51	10 42	0 27	19 19	0 42	23 29	0 10	23 28	23 33	24 50		n.a.
W23	10 22	19 28	4 19	1 44	2 58	24 14	2 21	12 53	1 33	9 44	0 54	22 26	0 51	10 41	0 27	19 19	0 42	23 29	0 10	23 28	23 33	24 50		n.a.
T 24	10 43	15 38	4 48	1 9	2 55	24 27	2 23	12 37	1 33	9 49	0 54	22 26	0 50	10 40	0 27	19 19	0 42	23 29	0 10	23 28	23 32	24 51		n.a.
F 25	11 4	11 1	5 4	0 32	2 51	24 39	2 25	12 22	1 33	9 54	0 54	22 26	0 50	10 39	0 27	19 19	0 42	23 29	0 10	23 28	23 32	24 51		n.a.
S 26	11 24	5 46	5 5	0n 6	2 46	24 50	2 26	12 6	1 34	9 59	0 54	22 25	0 50	10 38	0 27	19 19	0 42	23 29	0 11	23 27	23 32	24 52		n.a.
S 27	11 45	0 6	4 49	0 46	2 41	25 0	2 27	11 50	1 34	10 5	0 54	22 25	0 50	10 37	0 27	19 19	0 42	23 29	0 11	23 27	23 32	24 52		n.a.
M28	12 5	5s43	4 16	1 27	2 36	25 10	2 28	11 33	1 34	10 10	0 54	22 25	0 50	10 36	0 27	19 19	0 42	23 29	0 11	23 26	23 32	24 53		n.a.
T 29	12 25	11 22	3 26	2 10	2 30	25 20	2 30	11 17	1 35	10 15	0 53	22 25	0 50	10 35	0 27	19 18	0 42	23 29	0 11	23 25	23 32	24 53		n.a.
W30	12n45	16s31	2n23	2n54	2s23	25n28	2n31	11s 1	1s35	10n20	0s53	22s25	0n50	10s34	0n27	19s18	0s42	23s29	0s11	23n25	23n31	24n54		n.a.

Julian Day Number = 1554959.5, Delta T = 04h28m12s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°22'00, Lahiri = -10°15'00 Julian Calendar 1 Apr. 456 BCE == Greg. Calendar 27 March 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

MAY 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 13 2	4♉11'01	7♐41	14♈21	16♊49	6♓26	28♈58	18°R30	28°R13	7♒33	19°R11	20°R39	22♊14	7♋51	n.a.	T 1
F 2	14 16 59	5° 8'19	22°11	16° 2	17°55	7°10	29°12	18♐28	28♎11	7°33	19♐10	20°D38	22°11	7°58	n.a.	F 2
S 3	14 20 55	6° 5'36	6♑38	17°46	19° 1	7°54	29°25	18°25	28° 8	7°34	19° 9	20♊39	22° 8	8° 5	n.a.	S 3
S 4	14 24 52	7° 2'53	20°57	19°31	20° 7	8°38	29°39	18°22	28° 6	7°34	19° 8	20°40	22° 4	8°11	n.a.	S 4
M 5	14 28 48	8° 0'09	5♒ 7	21°20	21°12	9°23	29°53	18°19	28° 3	7°34	19° 7	20°R41	22° 1	8°18	n.a.	M 5
T 6	14 32 45	8°57'24	19° 6	23°10	22°17	10° 7	0♉ 7	18°17	28° 1	7°35	19° 6	20°40	21°58	8°25	n.a.	T 6
W 7	14 36 41	9°54'39	2♓53	25° 3	23°22	10°51	0°21	18°14	27°59	7°35	19° 5	20°38	21°55	8°31	n.a.	W 7
T 8	14 40 38	10°51'54	16°28	26°58	24°27	11°35	0°35	18°11	27°56	7°35	19° 4	20°35	21°52	8°38	n.a.	T 8
F 9	14 44 34	11°49'08	29°51	28°56	25°32	12°19	0°49	18° 8	27°54	7°36	19° 3	20°29	21°48	8°44	n.a.	F 9
S 10	14 48 31	12°46'21	13♈ 0	0♉56	26°36	13° 3	1° 3	18° 5	27°51	7°36	19° 1	20°23	21°45	8°51	n.a.	S 10
S 11	14 52 28	13°43'34	25°56	2°57	27°41	13°46	1°16	18° 1	27°49	7°36	19° 0	20°17	21°42	8°58	n.a.	S 11
M12	14 56 24	14°40'47	8♉38	5° 1	28°45	14°30	1°30	17°58	27°47	7°36	18°59	20°11	21°39	9° 4	n.a.	M12
T 13	15 0 21	15°37'59	21° 6	7° 6	29°49	15°14	1°44	17°55	27°44	7°36	18°58	20° 7	21°36	9°11	n.a.	T 13
W14	15 4 17	16°35'10	3♊21	9°13	0♋52	15°57	1°58	17°51	27°42	7°36	18°57	20° 4	21°33	9°18	n.a.	W14
T 15	15 8 14	17°32'21	15°25	11°22	1°55	16°41	2°11	17°48	27°40	7°36	18°56	20°D 3	21°29	9°24	n.a.	T 15
F 16	15 12 10	18°29'31	27°21	13°31	2°58	17°24	2°25	17°44	27°37	7°R37	18°55	20° 3	21°26	9°31	n.a.	F 16
S 17	15 16 7	19°26'41	9♋11	15°42	4° 1	18° 8	2°39	17°41	27°35	7°36	18°53	20° 4	21°23	9°38	n.a.	S 17
S 18	15 20 3	20°23'50	20°58	17°53	5° 4	18°51	2°52	17°37	27°33	7°36	18°52	20° 6	21°20	9°44	n.a.	S 18
M19	15 24 0	21°20'58	2♌49	20° 4	6° 6	19°34	3° 6	17°33	27°31	7°36	18°51	20° 8	21°17	9°51	n.a.	M19
T 20	15 27 57	22°18'06	14°46	22°15	7° 8	20°18	3°20	17°30	27°28	7°36	18°50	20° 9	21°14	9°58	n.a.	T 20
W21	15 31 53	23°15'14	26°55	24°26	8°10	21° 1	3°33	17°26	27°26	7°36	18°48	20°R 9	21°10	10° 4	n.a.	W21
T 22	15 35 50	24°12'20	9♍21	26°37	9°11	21°44	3°47	17°22	27°24	7°36	18°47	20° 8	21° 7	10°11	n.a.	T 22
F 23	15 39 46	25° 9'26	22° 8	28°47	10°12	22°27	4° 0	17°18	27°22	7°36	18°46	20° 6	21° 4	10°18	n.a.	F 23
S 24	15 43 43	26° 6'32	5♎19	0♊56	11°13	23° 9	4°14	17°14	27°20	7°36	18°44	20° 3	21° 1	10°24	n.a.	S 24
S 25	15 47 39	27° 3'37	18°55	3° 4	12°13	23°52	4°27	17°10	27°18	7°35	18°43	20° 0	20°58	10°31	n.a.	S 25
M26	15 51 36	28° 0'42	2♏57	5°10	13°13	24°35	4°40	17° 6	27°16	7°35	18°42	19°57	20°54	10°38	n.a.	M26
T 27	15 55 32	28°57'47	17°20	7°15	14°13	25°17	4°54	17° 2	27°14	7°35	18°40	19°54	20°51	10°44	n.a.	T 27
W28	15 59 29	29°54'51	2♐ 1	9°19	15°12	26° 0	5° 7	16°58	27°12	7°34	18°39	19°53	20°48	10°51	n.a.	W28
T 29	16 3 26	0♊51'56	16°52	11°20	16°11	26°42	5°20	16°54	27°10	7°34	18°38	19°D52	20°45	10°58	n.a.	T 29
F 30	16 7 22	1°49'01	1♑46	13°20	17° 9	27°25	5°33	16°50	27° 8	7°34	18°36	19°52	20°42	11° 4	n.a.	F 30
S 31	16 11 19	2♊46'06	16♑35	15♊18	18♋ 8	28♓ 7	5♉46	16♐46	27♎ 6	7♒33	18♐35	19♊53	20♊39	11♋11	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	13n 5	20s44	1n 9	3n39	2s16	25n36	2n32	10s45	1s35	10n25	0s53	22s25	0n50	10s34	0n27	19s18	0s42	23s29	0s11	23n25	23n31	24n54		n.a.	T 1
F 2	13 24	23 39	0s 8	4 25	2 8	25 43	2 32	10 28	1 36	10 30	0 53	22 24	0 50	10 33	0 27	19 18	0 42	23 29	0 11	23 25	23 31	24 55		n.a.	F 2
S 3	13 44	25 0	1 26	5 13	2 0	25 50	2 33	10 12	1 36	10 35	0 53	22 24	0 50	10 32	0 27	19 18	0 42	23 29	0 11	23 25	23 31	24 55		n.a.	S 3
S 4	14 3	24 41	2 37	6 1	1 51	25 56	2 34	9 55	1 36	10 40	0 53	22 24	0 50	10 31	0 27	19 18	0 42	23 29	0 11	23 25	23 31	24 55		n.a.	S 4
M 5	14 21	22 45	3 38	6 51	1 42	26 1	2 34	9 39	1 37	10 45	0 53	22 24	0 50	10 30	0 27	19 18	0 42	23 29	0 11	23 25	23 30	24 56		n.a.	M 5
T 6	14 40	19 28	4 25	7 41	1 33	26 6	2 35	9 22	1 37	10 50	0 53	22 23	0 50	10 29	0 27	19 18	0 42	23 29	0 12	23 25	23 30	24 56		n.a.	T 6
W 7	14 59	15 10	4 56	8 32	1 23	26 10	2 35	9 5	1 37	10 55	0 53	22 23	0 50	10 28	0 27	19 18	0 43	23 29	0 12	23 25	23 30	24 57		n.a.	W 7
T 8	15 17	10 9	5 9	9 24	1 13	26 13	2 35	8 49	1 38	11 0	0 53	22 23	0 50	10 27	0 27	19 18	0 43	23 29	0 12	23 25	23 30	24 57		n.a.	T 8
F 9	15 35	4 44	5 6	10 16	1 2	26 16	2 35	8 32	1 38	11 5	0 53	22 23	0 50	10 27	0 27	19 18	0 43	23 29	0 12	23 24	23 30	24 57		n.a.	F 9
S 10	15 52	0n48	4 47	11 8	0 52	26 17	2 35	8 15	1 38	11 10	0 53	22 23	0 50	10 26	0 27	19 18	0 43	23 29	0 12	23 24	23 29	24 58		n.a.	S 10
S 11	16 10	6 13	4 13	12 1	0 41	26 19	2 35	7 58	1 38	11 15	0 53	22 22	0 50	10 25	0 27	19 18	0 43	23 29	0 12	23 23	23 29	24 58		n.a.	S 11
M12	16 27	11 18	3 27	12 53	0 30	26 19	2 35	7 41	1 39	11 20	0 53	22 22	0 50	10 24	0 27	19 18	0 43	23 29	0 12	23 23	23 29	24 59		n.a.	M12
T 13	16 44	15 50	2 32	13 46	0 19	26 19	2 34	7 24	1 39	11 24	0 53	22 22	0 50	10 23	0 27	19 18	0 43	23 29	0 12	23 23	23 29	24 59		n.a.	T 13
W14	17 1	19 38	1 30	14 37	0 8	26 18	2 34	7 8	1 39	11 29	0 53	22 21	0 50	10 22	0 27	19 18	0 43	23 29	0 12	23 22	23 29	24 59		n.a.	W14
T 15	17 17	22 31	0 25	15 28	0n 2	26 17	2 33	6 51	1 39	11 34	0 53	22 21	0 50	10 22	0 27	19 18	0 43	23 29	0 12	23 22	23 28	25 0		n.a.	T 15
F 16	17 33	24 23	0n40	16 19	0 13	26 15	2 32	6 34	1 39	11 39	0 53	22 21	0 50	10 21	0 27	19 18	0 43	23 29	0 13	23 22	23 28	25 0		n.a.	F 16
S 17	17 49	25 8	1 43	17 8	0 24	26 12	2 31	6 17	1 40	11 44	0 53	22 21	0 50	10 20	0 27	19 18	0 43	23 29	0 13	23 22	23 28	25 0		n.a.	S 17
S 18	18 5	24 45	2 42	17 55	0 34	26 9	2 30	6 0	1 40	11 48	0 53	22 20	0 50	10 19	0 27	19 18	0 43	23 29	0 13	23 23	23 28	25 1		n.a.	S 18
M19	18 20	23 15	3 34	18 41	0 43	26 5	2 29	5 43	1 40	11 53	0 52	22 20	0 50	10 18	0 27	19 18	0 43	23 29	0 13	23 23	23 28	25 1		n.a.	M19
T 20	18 35	20 42	4 17	19 25	0 53	26 1	2 27	5 25	1 40	11 58	0 52	22 20	0 50	10 18	0 27	19 18	0 43	23 29	0 13	23 23	23 27	25 1		n.a.	T 20
W21	18 50	17 13	4 49	20 7	1 2	25 55	2 26	5 8	1 40	12 2	0 52	22 19	0 50	10 17	0 27	19 18	0 43	23 29	0 13	23 23	23 27	25 2		n.a.	W21
T 22	19 4	12 55	5 9	20 47	1 10	25 50	2 24	4 51	1 40	12 7	0 52	22 19	0 50	10 16	0 27	19 18	0 43	23 29	0 13	23 23	23 27	25 2		n.a.	T 22
F 23	19 18	7 58	5 14	21 24	1 18	25 43	2 22	4 34	1 41	12 12	0 52	22 19	0 50	10 15	0 27	19 18	0 43	23 29	0 13	23 23	23 27	25 2		n.a.	F 23
S 24	19 32	2 30	5 4	21 59	1 25	25 36	2 20	4 17	1 41	12 16	0 52	22 18	0 50	10 15	0 27	19 18	0 43	23 29	0 13	23 22	23 26	25 3		n.a.	S 24
S 25	19 45	3s16	4 36	22 32	1 31	25 29	2 18	4 0	1 41	12 21	0 52	22 18	0 50	10 14	0 27	19 18	0 43	23 29	0 13	23 22	23 26	25 3		n.a.	S 25
M26	19 58	9 3	3 51	23 2	1 37	25 20	2 16	3 43	1 41	12 26	0 52	22 18	0 49	10 13	0 27	19 18	0 43	23 29	0 14	23 22	23 26	25 3		n.a.	M26
T 27	20 11	14 31	2 50	23 29	1 42	25 12	2 14	3 26	1 41	12 30	0 52	22 17	0 49	10 12	0 27	19 19	0 43	23 29	0 14	23 22	23 26	25 3		n.a.	T 27
W28	20 24	19 15	1 37	23 53	1 46	25 2	2 11	3 9	1 41	12 35	0 52	22 17	0 49	10 12	0 27	19 19	0 43	23 29	0 14	23 22	23 26	25 4		n.a.	W28
T 29	20 36	22 49	0 17	24 15	1 50	24 53	2 8	2 52	1 41	12 39	0 52	22 17	0 49	10 11	0 27	19 19	0 43	23 29	0 14	23 21	23 25	25 4		n.a.	T 29
F 30	20 48	24 50	1s 5	24 34	1 53	24 42	2 5	2 35	1 41	12 44	0 52	22 16	0 49	10 10	0 27	19 19	0 43	23 29	0 14	23 21	23 25	25 4		n.a.	F 30
S 31	20n59	25s 4	2s22	24n50	1n55	24n31	2n 2	2s18	1s41	12n48	0s52	22s16	0n49	10s10	0n27	19s19	0s43	23s29	0s14	23n22	23n25	25n 5		n.a.	S 31

Julian Day Number = 1554989.5, Delta T = 04h28m11s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'56, Lahiri = -10°14'56 Julian Calendar 1 May 456 BCE == Greg. Calendar 26 Apr. 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

JUNE 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 15 15	3♊43'11	1♒13	17♊15	19♋ 5	28♓49	6♉ 0	16°R41	27°R 4	7°R33	18°R34	19♊54	20♊35	11♋18	n.a.	S 1
M 2	16 19 12	4°40'16	15°36	19° 9	20° 3	29°31	6°13	16♐37	27♎ 3	7♒32	18♐32	19°55	20°32	11°24	n.a.	M 2
T 3	16 23 8	5°37'22	29°40	21° 1	20°59	0♈13	6°26	16°33	27° 1	7°32	18°31	19°R56	20°29	11°31	n.a.	T 3
W 4	16 27 5	6°34'29	13♓25	22°52	21°56	0°55	6°39	16°29	26°59	7°31	18°29	19°56	20°26	11°37	n.a.	W 4
T 5	16 31 2	7°31'35	26°50	24°40	22°52	1°37	6°52	16°24	26°57	7°30	18°28	19°55	20°23	11°44	n.a.	T 5
F 6	16 34 58	8°28'43	9♈58	26°26	23°47	2°19	7° 4	16°20	26°56	7°30	18°26	19°54	20°19	11°51	n.a.	F 6
S 7	16 38 55	9°25'50	22°49	28°11	24°42	3° 0	7°17	16°16	26°54	7°29	18°25	19°53	20°16	11°57	n.a.	S 7
S 8	16 42 51	10°22'59	5♉25	29°53	25°37	3°42	7°30	16°11	26°52	7°28	18°24	19°51	20°13	12° 4	n.a.	S 8
M 9	16 46 48	11°20'07	17°49	1♋33	26°31	4°23	7°43	16° 7	26°51	7°28	18°22	19°50	20°10	12°11	n.a.	M 9
T 10	16 50 44	12°17'17	0♊ 1	3°12	27°24	5° 5	7°55	16° 2	26°49	7°27	18°21	19°50	20° 7	12°17	n.a.	T 10
W11	16 54 41	13°14'27	12° 5	4°48	28°17	5°46	8° 8	15°58	26°48	7°26	18°19	19°49	20° 4	12°24	n.a.	W11
T 12	16 58 37	14°11'37	24° 0	6°23	29° 9	6°27	8°21	15°53	26°46	7°25	18°18	19°D49	20° 0	12°31	n.a.	T 12
F 13	17 2 34	15° 8'48	5♋51	7°55	0♌ 1	7° 8	8°33	15°49	26°45	7°25	18°16	19°49	19°57	12°37	n.a.	F 13
S 14	17 6 31	16° 5'59	17°39	9°25	0°52	7°49	8°45	15°45	26°44	7°24	18°15	19°50	19°54	12°44	n.a.	S 14
S 15	17 10 27	17° 3'10	29°27	10°54	1°42	8°30	8°58	15°40	26°42	7°23	18°13	19°50	19°51	12°51	n.a.	S 15
M16	17 14 24	18° 0'22	11♌18	12°20	2°32	9°10	9°10	15°36	26°41	7°22	18°12	19°50	19°48	12°57	n.a.	M16
T 17	17 18 20	18°57'34	23°16	13°44	3°20	9°51	9°22	15°31	26°40	7°21	18°11	19°50	19°45	13° 4	n.a.	T 17
W18	17 22 17	19°54'47	5♍25	15° 6	4° 9	10°31	9°35	15°27	26°39	7°20	18° 9	19°R50	19°41	13°11	n.a.	W18
T 19	17 26 13	20°52'00	17°49	16°26	4°56	11°12	9°47	15°23	26°38	7°19	18° 8	19°D50	19°38	13°17	n.a.	T 19
F 20	17 30 10	21°49'13	0♎32	17°44	5°43	11°52	9°59	15°18	26°37	7°18	18° 6	19°50	19°35	13°24	n.a.	F 20
S 21	17 34 6	22°46'27	13°39	18°59	6°28	12°32	10°11	15°14	26°36	7°17	18° 5	19°51	19°32	13°31	n.a.	S 21
S 22	17 38 3	23°43'41	27°11	20°12	7°13	13°12	10°22	15° 9	26°35	7°16	18° 3	19°51	19°29	13°37	n.a.	S 22
M23	17 42 0	24°40'56	11♏ 9	21°23	7°57	13°52	10°34	15° 5	26°34	7°15	18° 2	19°51	19°25	13°44	n.a.	M23
T 24	17 45 56	25°38'11	25°33	22°31	8°40	14°32	10°46	15° 1	26°33	7°14	18° 0	19°52	19°22	13°51	n.a.	T 24
W25	17 49 53	26°35'27	10♐20	23°37	9°22	15°11	10°58	14°56	26°32	7°13	17°59	19°52	19°19	13°57	n.a.	W25
T 26	17 53 49	27°32'44	25°22	24°40	10° 3	15°51	11° 9	14°52	26°31	7°11	17°57	19°R52	19°16	14° 4	n.a.	T 26
F 27	17 57 46	28°30'02	10♑32	25°40	10°43	16°30	11°21	14°48	26°30	7°10	17°56	19°52	19°13	14°11	n.a.	F 27
S 28	18 1 42	29°27'21	25°40	26°38	11°22	17° 9	11°32	14°44	26°30	7° 9	17°55	19°51	19°10	14°17	n.a.	S 28
S 29	18 5 39	0♋24'41	10♒37	27°32	12° 0	17°48	11°43	14°40	26°29	7° 8	17°53	19°50	19° 6	14°24	n.a.	S 29
M30	18 9 36	1♋22'02	25♒16	28♋23	12♌37	18♈27	11♉55	14♐35	26♎28	7♒ 7	17♐52	19♊49	19♊ 3	14♋31	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n10	23s33	3s29	25n 4	1n57	24n20	1n59	2s 1	1s41	12n52	0s52	22s16	0n49	10s 9	0n27	19s19	0s43	23s29	0s14	23n22	23n25	25n 5		n.a.
M 2	21 21	20 31	4 22	25 15	1 58	24 8	1 56	1 44	1 41	12 57	0 52	22 15	0 49	10 8	0 27	19 19	0 43	23 29	0 14	23 22	23 24	25 5		n.a.
T 3	21 31	16 22	4 57	25 24	1 58	23 56	1 52	1 27	1 41	13 1	0 52	22 15	0 49	10 8	0 26	19 20	0 43	23 29	0 14	23 22	23 24	25 5		n.a.
W 4	21 41	11 26	5 15	25 31	1 58	23 43	1 48	1 11	1 41	13 5	0 52	22 15	0 49	10 7	0 26	19 20	0 43	23 29	0 14	23 22	23 24	25 6		n.a.
T 5	21 51	6 4	5 14	25 35	1 57	23 30	1 44	0 54	1 41	13 10	0 52	22 14	0 49	10 7	0 26	19 20	0 44	23 29	0 15	23 22	23 24	25 6		n.a.
F 6	22 0	0 33	4 58	25 37	1 55	23 16	1 40	0 37	1 41	13 14	0 52	22 14	0 49	10 6	0 26	19 20	0 44	23 29	0 15	23 22	23 24	25 6		n.a.
S 7	22 9	4n52	4 26	25 37	1 53	23 2	1 36	0 20	1 41	13 18	0 52	22 13	0 49	10 5	0 26	19 20	0 44	23 29	0 15	23 22	23 23	25 6		n.a.
S 8	22 18	10 1	3 42	25 35	1 50	22 47	1 31	0 4	1 41	13 22	0 52	22 13	0 49	10 5	0 26	19 21	0 44	23 29	0 15	23 21	23 23	25 6		n.a.
M 9	22 26	14 40	2 48	25 31	1 46	22 33	1 27	0n13	1 41	13 27	0 52	22 13	0 48	10 4	0 26	19 21	0 44	23 29	0 15	23 21	23 23	25 7		n.a.
T 10	22 34	18 40	1 48	25 25	1 42	22 17	1 22	0 30	1 41	13 31	0 52	22 12	0 48	10 4	0 26	19 21	0 44	23 29	0 15	23 21	23 23	25 7		n.a.
W11	22 41	21 50	0 43	25 18	1 38	22 2	1 17	0 46	1 41	13 35	0 52	22 12	0 48	10 3	0 26	19 21	0 44	23 29	0 15	23 21	23 22	25 7		n.a.
T 12	22 48	24 0	0n23	25 8	1 33	21 46	1 11	1 3	1 41	13 39	0 52	22 12	0 48	10 3	0 26	19 22	0 44	23 29	0 15	23 21	23 22	25 7		n.a.
F 13	22 55	25 5	1 28	24 58	1 27	21 29	1 6	1 19	1 41	13 43	0 52	22 11	0 48	10 2	0 26	19 22	0 44	23 29	0 15	23 21	23 22	25 7		n.a.
S 14	23 1	25 1	2 29	24 46	1 21	21 12	1 0	1 36	1 41	13 47	0 52	22 11	0 48	10 2	0 26	19 22	0 44	23 29	0 15	23 21	23 22	25 7		n.a.
S 15	23 7	23 50	3 23	24 32	1 15	20 56	0 55	1 52	1 41	13 51	0 52	22 10	0 48	10 1	0 26	19 22	0 44	23 29	0 15	23 21	23 21	25 8		n.a.
M16	23 12	21 35	4 9	24 18	1 8	20 38	0 48	2 8	1 41	13 55	0 52	22 10	0 48	10 1	0 26	19 23	0 44	23 29	0 16	23 21	23 21	25 8		n.a.
T 17	23 17	18 24	4 44	24 2	1 0	20 21	0 42	2 25	1 41	13 59	0 52	22 10	0 48	10 1	0 26	19 23	0 44	23 29	0 16	23 21	23 21	25 8		n.a.
W18	23 22	14 24	5 8	23 45	0 53	20 3	0 36	2 41	1 41	14 3	0 52	22 9	0 48	10 0	0 26	19 23	0 44	23 29	0 16	23 21	23 21	25 8		n.a.
T 19	23 26	9 44	5 17	23 27	0 44	19 45	0 29	2 57	1 40	14 7	0 52	22 9	0 48	10 0	0 26	19 23	0 44	23 29	0 16	23 21	23 20	25 8		n.a.
F 20	23 30	4 33	5 12	23 9	0 36	19 27	0 22	3 13	1 40	14 10	0 52	22 8	0 48	9 59	0 26	19 24	0 44	23 29	0 16	23 21	23 20	25 8		n.a.
S 21	23 33	1s 0	4 51	22 49	0 27	19 8	0 15	3 29	1 40	14 14	0 52	22 8	0 47	9 59	0 26	19 24	0 44	23 28	0 16	23 21	23 20	25 8		n.a.
S 22	23 36	6 40	4 13	22 29	0 17	18 50	0 8	3 45	1 40	14 18	0 52	22 8	0 47	9 59	0 26	19 24	0 44	23 28	0 16	23 21	23 20	25 8		n.a.
M23	23 39	12 13	3 19	22 9	0 7	18 31	0 0	4 0	1 40	14 22	0 52	22 7	0 47	9 58	0 26	19 25	0 44	23 28	0 16	23 21	23 19	25 9		n.a.
T 24	23 41	17 17	2 11	21 48	0s 3	18 12	0s 8	4 16	1 40	14 25	0 52	22 7	0 47	9 58	0 26	19 25	0 44	23 28	0 16	23 21	23 19	25 9		n.a.
W25	23 42	21 25	0 53	21 26	0 13	17 53	0 16	4 32	1 39	14 29	0 52	22 7	0 47	9 58	0 26	19 25	0 44	23 28	0 16	23 21	23 19	25 9		n.a.
T 26	23 44	24 11	0s30	21 5	0 24	17 34	0 24	4 47	1 39	14 33	0 52	22 6	0 47	9 58	0 26	19 26	0 44	23 28	0 17	23 21	23 19	25 9		n.a.
F 27	23 45	25 11	1 52	20 43	0 35	17 15	0 32	5 3	1 39	14 36	0 52	22 6	0 47	9 57	0 26	19 26	0 44	23 28	0 17	23 21	23 18	25 9		n.a.
S 28	23 45	24 20	3 6	20 21	0 46	16 56	0 41	5 18	1 39	14 40	0 52	22 5	0 47	9 57	0 26	19 26	0 44	23 28	0 17	23 21	23 18	25 9		n.a.
S 29	23 45	21 44	4 6	19 59	0 58	16 37	0 50	5 34	1 39	14 43	0 52	22 5	0 47	9 57	0 26	19 27	0 44	23 28	0 17	23 21	23 18	25 9		n.a.
M30	23n45	17s47	4s48	19n37	1s10	16n18	0s59	5n49	1s38	14n47	0s52	22s 5	0n46	9s57	0n26	19s27	0s44	23s28	0s17	23n21	23n18	25n 9		n.a.

Julian Day Number = 1555020.5, Delta T = 04h28m10s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'52, Lahiri = -10°14'51 Julian Calendar 1 June 456 BCE == Greg. Calendar 27 May 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

JULY 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 13 32	2♋19'25	9♓32	29♋11	13♌12	19♈ 6	12♉ 6	14°R31	26°R28	7°R 5	17°R50	19°R48	19♊ 0	14♋37	n.a.	T 1
W 2	18 17 29	3°16'48	23°22	29°56	13°46	19°45	12°17	14♐27	26♎27	7♒ 4	17♐49	19♊47	18°57	14°44	n.a.	W 2
T 3	18 21 25	4°14'14	6♈48	0♌37	14°19	20°24	12°28	14°23	26°27	7° 3	17°48	19°D47	18°54	14°51	n.a.	T 3
F 4	18 25 22	5°11'40	19°49	1°14	14°51	21° 2	12°39	14°19	26°27	7° 1	17°46	19°47	18°51	14°57	n.a.	F 4
S 5	18 29 18	6° 9'08	2♉31	1°48	15°21	21°40	12°50	14°15	26°26	7° 0	17°45	19°48	18°47	15° 4	n.a.	S 5
S 6	18 33 15	7° 6'37	14°55	2°17	15°49	22°19	13° 0	14°11	26°26	6°59	17°43	19°49	18°44	15°11	n.a.	S 6
M 7	18 37 11	8° 4'08	27° 6	2°42	16°16	22°57	13°11	14° 7	26°26	6°57	17°42	19°51	18°41	15°17	n.a.	M 7
T 8	18 41 8	9° 1'41	9♊ 7	3° 2	16°42	23°34	13°21	14° 4	26°25	6°56	17°41	19°52	18°38	15°24	n.a.	T 8
W 9	18 45 5	9°59'14	21° 1	3°18	17° 6	24°12	13°32	14° 0	26°25	6°54	17°39	19°R52	18°35	15°31	n.a.	W 9
T 10	18 49 1	10°56'50	2♋50	3°28	17°28	24°50	13°42	13°56	26°25	6°53	17°38	19°52	18°31	15°37	n.a.	T 10
F 11	18 52 58	11°54'26	14°38	3°34	17°49	25°27	13°52	13°53	26°D25	6°52	17°37	19°50	18°28	15°44	n.a.	F 11
S 12	18 56 54	12°52'04	26°26	3°R34	18° 7	26° 4	14° 3	13°49	26°25	6°50	17°36	19°47	18°25	15°51	n.a.	S 12
S 13	19 0 51	13°49'43	8♌17	3°28	18°24	26°42	14°13	13°45	26°25	6°49	17°34	19°43	18°22	15°57	n.a.	S 13
M14	19 4 47	14°47'23	20°13	3°17	18°39	27°18	14°23	13°42	26°25	6°47	17°33	19°39	18°19	16° 4	n.a.	M14
T 15	19 8 44	15°45'05	2♍15	3° 1	18°52	27°55	14°32	13°38	26°26	6°46	17°32	19°35	18°16	16°11	n.a.	T 15
W16	19 12 40	16°42'48	14°28	2°39	19° 3	28°32	14°42	13°35	26°26	6°44	17°31	19°31	18°12	16°17	n.a.	W16
T 17	19 16 37	17°40'32	26°53	2°11	19°12	29° 8	14°52	13°32	26°26	6°43	17°29	19°29	18° 9	16°24	n.a.	T 17
F 18	19 20 34	18°38'17	9♎35	1°38	19°18	29°44	15° 1	13°29	26°26	6°41	17°28	19°27	18° 6	16°31	n.a.	F 18
S 19	19 24 30	19°36'04	22°36	1° 0	19°23	0♉20	15°10	13°25	26°27	6°39	17°27	19°D27	18° 3	16°37	n.a.	S 19
S 20	19 28 27	20°33'52	5♏59	0°18	19°R25	0°56	15°20	13°22	26°27	6°38	17°26	19°27	18° 0	16°44	n.a.	S 20
M21	19 32 23	21°31'41	19°48	29♋31	19°24	1°32	15°29	13°19	26°28	6°36	17°25	19°29	17°57	16°51	n.a.	M21
T 22	19 36 20	22°29'32	4♐ 2	28°41	19°22	2° 8	15°38	13°16	26°28	6°35	17°23	19°30	17°53	16°57	n.a.	T 22
W23	19 40 16	23°27'24	18°40	27°48	19°17	2°43	15°47	13°14	26°29	6°33	17°22	19°R31	17°50	17° 4	n.a.	W23
T 24	19 44 13	24°25'17	3♑38	26°54	19°10	3°18	15°55	13°11	26°29	6°32	17°21	19°30	17°47	17°11	n.a.	T 24
F 25	19 48 9	25°23'12	18°49	26° 0	19° 0	3°53	16° 4	13° 8	26°30	6°30	17°20	19°28	17°44	17°17	n.a.	F 25
S 26	19 52 6	26°21'09	4♒ 4	25° 6	18°48	4°28	16°12	13° 6	26°31	6°28	17°19	19°24	17°41	17°24	n.a.	S 26
S 27	19 56 3	27°19'08	19°12	24°13	18°33	5° 2	16°21	13° 3	26°32	6°27	17°18	19°19	17°37	17°31	n.a.	S 27
M28	19 59 59	28°17'08	4♓ 3	23°24	18°17	5°37	16°29	13° 1	26°32	6°25	17°17	19°13	17°34	17°37	n.a.	M28
T 29	20 3 56	29°15'10	18°31	22°38	17°58	6°11	16°37	12°58	26°33	6°23	17°16	19° 8	17°31	17°44	n.a.	T 29
W30	20 7 52	0♌13'14	2♈31	21°58	17°36	6°45	16°45	12°56	26°34	6°22	17°15	19° 3	17°28	17°51	n.a.	W30
T 31	20 11 49	1♌11'20	16♈ 2	21♋23	17♌13	7♉19	16♉53	12♐54	26♎35	6♒20	17♐14	19♊ 0	17♊25	17♋57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n44	12s54	5s12	19n15	1s22	15n59	1s 9	6n 4	1s38	14n50	0s52	22s 4	0n46	9s56	0n26	19s27	0s44	23s28	0s17	23n21	23n17	25n 9			n.a.
W 2	23 43	7 29	5 16	18 54	1 34	15 40	1 18	6 19	1 38	14 54	0 52	22 4	0 46	9 56	0 26	19 28	0 44	23 28	0 17	23 21	23 17	25 9			n.a.
T 3	23 41	1 54	5 3	18 33	1 46	15 21	1 28	6 34	1 37	14 57	0 52	22 4	0 46	9 56	0 26	19 28	0 44	23 28	0 17	23 21	23 17	25 9			n.a.
F 4	23 39	3n37	4 34	18 13	1 59	15 2	1 38	6 49	1 37	15 0	0 52	22 3	0 46	9 56	0 26	19 28	0 44	23 28	0 17	23 21	23 17	25 9			n.a.
S 5	23 36	8 51	3 53	17 53	2 11	14 43	1 49	7 4	1 37	15 4	0 52	22 3	0 46	9 56	0 26	19 29	0 44	23 28	0 17	23 21	23 16	25 9			n.a.
S 6	23 33	13 38	3 2	17 35	2 23	14 24	1 59	7 18	1 37	15 7	0 52	22 3	0 46	9 56	0 26	19 29	0 44	23 28	0 17	23 21	23 16	25 9			n.a.
M 7	23 30	17 47	2 3	17 17	2 36	14 6	2 10	7 33	1 36	15 10	0 52	22 2	0 46	9 56	0 26	19 29	0 44	23 28	0 18	23 21	23 16	25 9			n.a.
T 8	23 26	21 8	0 59	17 0	2 48	13 48	2 21	7 47	1 36	15 13	0 52	22 2	0 46	9 56	0 25	19 30	0 44	23 28	0 18	23 21	23 15	25 9			n.a.
W 9	23 22	23 33	0n 6	16 45	3 0	13 30	2 32	8 2	1 36	15 16	0 53	22 2	0 45	9 56	0 25	19 30	0 45	23 28	0 18	23 21	23 15	25 9			n.a.
T 10	23 18	24 54	1 11	16 31	3 12	13 12	2 44	8 16	1 35	15 19	0 53	22 1	0 45	9 56	0 25	19 31	0 45	23 28	0 18	23 21	23 15	25 9			n.a.
F 11	23 13	25 8	2 12	16 19	3 24	12 55	2 56	8 30	1 35	15 22	0 53	22 1	0 45	9 56	0 25	19 31	0 45	23 28	0 18	23 21	23 15	25 9			n.a.
S 12	23 7	24 13	3 8	16 8	3 35	12 37	3 8	8 44	1 34	15 25	0 53	22 1	0 45	9 56	0 25	19 31	0 45	23 28	0 18	23 21	23 14	25 9			n.a.
S 13	23 1	22 13	3 56	15 59	3 45	12 21	3 20	8 58	1 34	15 28	0 53	22 0	0 45	9 56	0 25	19 32	0 45	23 28	0 18	23 21	23 14	25 9			n.a.
M14	22 55	19 15	4 33	15 51	3 55	12 5	3 32	9 12	1 34	15 31	0 53	22 0	0 45	9 56	0 25	19 32	0 45	23 28	0 18	23 20	23 14	25 9			n.a.
T 15	22 48	15 27	4 59	15 46	4 4	11 49	3 44	9 25	1 33	15 34	0 53	22 0	0 45	9 56	0 25	19 33	0 45	23 28	0 18	23 20	23 13	25 9			n.a.
W16	22 41	10 59	5 12	15 43	4 13	11 33	3 57	9 39	1 33	15 37	0 53	21 59	0 45	9 56	0 25	19 33	0 45	23 28	0 18	23 20	23 13	25 9			n.a.
T 17	22 34	6 0	5 11	15 43	4 20	11 18	4 10	9 52	1 32	15 40	0 53	21 59	0 44	9 56	0 25	19 33	0 45	23 28	0 18	23 20	23 13	25 9			n.a.
F 18	22 26	0 40	4 54	15 44	4 26	11 4	4 23	10 6	1 32	15 43	0 53	21 59	0 44	9 56	0 25	19 34	0 45	23 28	0 19	23 20	23 13	25 9			n.a.
S 19	22 18	4s51	4 23	15 48	4 30	10 50	4 36	10 19	1 31	15 45	0 53	21 59	0 44	9 57	0 25	19 34	0 45	23 28	0 19	23 19	23 12	25 9			n.a.
S 20	22 9	10 18	3 36	15 54	4 33	10 37	4 49	10 32	1 31	15 48	0 53	21 58	0 44	9 57	0 25	19 35	0 45	23 28	0 19	23 20	23 12	25 9			n.a.
M21	22 0	15 25	2 35	16 3	4 34	10 25	5 2	10 45	1 30	15 51	0 53	21 58	0 44	9 57	0 25	19 35	0 45	23 28	0 19	23 20	23 12	25 9			n.a.
T 22	21 51	19 52	1 24	16 14	4 34	10 13	5 15	10 58	1 30	15 53	0 53	21 58	0 44	9 57	0 25	19 36	0 45	23 28	0 19	23 20	23 11	25 9			n.a.
W23	21 41	23 11	0 5	16 26	4 31	10 2	5 28	11 10	1 29	15 56	0 53	21 58	0 44	9 57	0 25	19 36	0 45	23 27	0 19	23 20	23 11	25 9			n.a.
T 24	21 31	24 58	1s16	16 41	4 27	9 52	5 41	11 23	1 29	15 58	0 53	21 57	0 43	9 58	0 25	19 36	0 45	23 27	0 19	23 20	23 11	25 8			n.a.
F 25	21 20	24 56	2 33	16 57	4 21	9 43	5 54	11 35	1 28	16 1	0 53	21 57	0 43	9 58	0 25	19 37	0 45	23 27	0 19	23 20	23 11	25 8			n.a.
S 26	21 9	23 2	3 39	17 15	4 12	9 34	6 7	11 48	1 28	16 3	0 53	21 57	0 43	9 58	0 25	19 37	0 45	23 27	0 19	23 19	23 10	25 8			n.a.
S 27	20 58	19 30	4 29	17 34	4 2	9 27	6 20	12 0	1 27	16 6	0 53	21 57	0 43	9 59	0 25	19 38	0 45	23 27	0 19	23 19	23 10	25 8			n.a.
M28	20 46	14 47	5 0	17 54	3 51	9 20	6 32	12 12	1 27	16 8	0 53	21 57	0 43	9 59	0 25	19 38	0 45	23 27	0 19	23 18	23 10	25 8			n.a.
T 29	20 34	9 21	5 10	18 15	3 37	9 14	6 44	12 24	1 26	16 10	0 53	21 57	0 43	9 59	0 25	19 39	0 45	23 27	0 20	23 18	23 9	25 8			n.a.
W30	20 22	3 36	5 2	18 36	3 23	9 9	6 56	12 36	1 26	16 12	0 53	21 56	0 43	10 0	0 25	19 39	0 45	23 27	0 20	23 18	23 9	25 8			n.a.
T 31	20n 9	2n 8	4s37	18n57	3s 7	9n 5	7s 7	12n48	1s25	16n15	0s53	21s56	0n43	10s 0	0n25	19s39	0s45	23s27	0s20	23n17	23n 9	25n 7			n.a.

Julian Day Number = 1555050.5, Delta T = 04h28m08s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'48, Lahiri = -10°14'47 Julian Calendar 1 July 456 BCE == Greg. Calendar 26 June 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

AUGUST 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 15 45	2♌ 9'28	29♈ 5	20°R55	16°R48	7♉52	17♉ 1	12°R51	26♎36	6°R19	17°R13	18°D59	17♊22	18♋ 4	n.a.	F 1
S 2	20 19 42	3° 7'39	11♉44	20♋35	16♌20	8°25	17° 8	12♐49	26°37	6♒17	17♐12	18♊59	17°18	18°11	n.a.	S 2
S 3	20 23 38	4° 5'52	24° 4	20°23	15°51	8°59	17°16	12°47	26°39	6°15	17°11	19° 1	17°15	18°17	n.a.	S 3
M 4	20 27 35	5° 4'06	6♊ 9	20°D19	15°20	9°31	17°23	12°46	26°40	6°14	17°10	19° 2	17°12	18°24	n.a.	M 4
T 5	20 31 32	6° 2'23	18° 3	20°24	14°48	10° 4	17°30	12°44	26°41	6°12	17°10	19°R 3	17° 9	18°31	n.a.	T 5
W 6	20 35 28	7° 0'42	29°53	20°38	14°15	10°36	17°37	12°42	26°42	6°10	17° 9	19° 2	17° 6	18°37	n.a.	W 6
T 7	20 39 25	7°59'03	11♋40	21° 0	13°40	11° 9	17°44	12°41	26°44	6° 9	17° 8	18°59	17° 3	18°44	n.a.	T 7
F 8	20 43 21	8°57'27	23°28	21°32	13° 4	11°41	17°51	12°39	26°45	6° 7	17° 7	18°54	16°59	18°51	n.a.	F 8
S 9	20 47 18	9°55'52	5♌20	22°12	12°28	12°12	17°57	12°38	26°47	6° 5	17° 6	18°47	16°56	18°57	n.a.	S 9
S 10	20 51 14	10°54'19	17°17	23° 0	11°52	12°44	18° 3	12°36	26°48	6° 4	17° 6	18°38	16°53	19° 4	n.a.	S 10
M11	20 55 11	11°52'48	29°22	23°55	11°15	13°15	18°10	12°35	26°50	6° 2	17° 5	18°28	16°50	19°11	n.a.	M11
T 12	20 59 7	12°51'19	11♍34	24°59	10°38	13°46	18°16	12°34	26°51	6° 0	17° 4	18°18	16°47	19°17	n.a.	T 12
W13	21 3 4	13°49'52	23°57	26° 9	10° 2	14°16	18°22	12°33	26°53	5°59	17° 4	18° 9	16°43	19°24	n.a.	W13
T 14	21 7 1	14°48'26	6♎30	27°25	9°26	14°46	18°27	12°32	26°54	5°57	17° 3	18° 1	16°40	19°31	n.a.	T 14
F 15	21 10 57	15°47'03	19°16	28°47	8°51	15°16	18°33	12°31	26°56	5°56	17° 2	17°55	16°37	19°37	n.a.	F 15
S 16	21 14 54	16°45'41	2♏17	0♌14	8°16	15°46	18°38	12°30	26°58	5°54	17° 2	17°52	16°34	19°44	n.a.	S 16
S 17	21 18 50	17°44'21	15°37	1°45	7°43	16°16	18°43	12°30	27° 0	5°52	17° 1	17°D51	16°31	19°51	n.a.	S 17
M18	21 22 47	18°43'03	29°16	3°20	7°12	16°45	18°49	12°29	27° 2	5°51	17° 1	17°51	16°28	19°57	n.a.	M18
T 19	21 26 43	19°41'47	13♐16	4°59	6°42	17°13	18°53	12°29	27° 4	5°49	17° 0	17°R52	16°24	20° 4	n.a.	T 19
W20	21 30 40	20°40'33	27°38	6°40	6°13	17°42	18°58	12°28	27° 6	5°48	17° 0	17°52	16°21	20°11	n.a.	W20
T 21	21 34 36	21°39'20	12♑20	8°24	5°47	18°10	19° 3	12°28	27° 8	5°46	16°59	17°50	16°18	20°17	n.a.	T 21
F 22	21 38 33	22°38'09	27°17	10° 9	5°22	18°38	19° 7	12°28	27°10	5°44	16°59	17°45	16°15	20°24	n.a.	F 22
S 23	21 42 30	23°37'01	12♒22	11°56	5° 0	19° 6	19°11	12°D28	27°12	5°43	16°59	17°38	16°12	20°31	n.a.	S 23
S 24	21 46 26	24°35'54	27°25	13°44	4°40	19°33	19°15	12°28	27°14	5°41	16°58	17°28	16° 9	20°37	n.a.	S 24
M25	21 50 23	25°34'49	12♓16	15°33	4°22	20° 0	19°19	12°28	27°16	5°40	16°58	17°18	16° 5	20°44	n.a.	M25
T 26	21 54 19	26°33'47	26°47	17°22	4° 6	20°26	19°23	12°28	27°18	5°38	16°58	17° 8	16° 2	20°51	n.a.	T 26
W27	21 58 16	27°32'47	10♈52	19°12	3°53	20°53	19°26	12°29	27°21	5°37	16°57	16°59	15°59	20°57	n.a.	W27
T 28	22 2 12	28°31'49	24°29	21° 1	3°42	21°18	19°30	12°29	27°23	5°35	16°57	16°52	15°56	21° 4	n.a.	T 28
F 29	22 6 9	29°30'53	7♉36	22°51	3°34	21°44	19°33	12°30	27°25	5°34	16°57	16°48	15°53	21°11	n.a.	F 29
S 30	22 10 5	0♍30'01	20°18	24°40	3°28	22° 9	19°36	12°30	27°28	5°32	16°57	16°46	15°49	21°17	n.a.	S 30
S 31	22 14 2	1♍29'10	2♊39	26♌28	3♌25	22♉34	19♉38	12♐31	27♎30	5♒31	16♐57	16°D46	15♊46	21♋24	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n56	7n35	3s58	19n18	2s50	9n 2	7s18	12n59	1s24	16n17	0s54	21s56	0n42	10s 0	0n25	19s40	0s45	23s27	0s20	23n17	23n 8	25n 7		n.a.
S 2	19 43	12 34	3 8	19 38	2 32	9 1	7 29	13 11	1 24	16 19	0 54	21 56	0 42	10 1	0 25	19 40	0 45	23 27	0 20	23 17	23 8	25 7		n.a.
S 3	19 29	16 55	2 11	19 58	2 14	9 0	7 39	13 22	1 23	16 21	0 54	21 56	0 42	10 1	0 25	19 41	0 45	23 27	0 20	23 17	23 8	25 7		n.a.
M 4	19 15	20 29	1 9	20 17	1 56	9 0	7 48	13 33	1 22	16 23	0 54	21 56	0 42	10 2	0 25	19 41	0 45	23 27	0 20	23 17	23 8	25 7		n.a.
T 5	19 0	23 7	0 5	20 34	1 38	9 1	7 56	13 44	1 22	16 25	0 54	21 56	0 42	10 2	0 25	19 42	0 45	23 27	0 20	23 18	23 7	25 7		n.a.
W 6	18 46	24 43	0n58	20 50	1 19	9 3	8 4	13 55	1 21	16 27	0 54	21 56	0 42	10 3	0 25	19 42	0 45	23 27	0 20	23 17	23 7	25 6		n.a.
T 7	18 31	25 12	1 59	21 4	1 2	9 6	8 11	14 6	1 20	16 29	0 54	21 56	0 42	10 3	0 25	19 42	0 45	23 27	0 20	23 17	23 7	25 6		n.a.
F 8	18 15	24 33	2 55	21 17	0 44	9 9	8 18	14 16	1 20	16 31	0 54	21 55	0 41	10 4	0 25	19 43	0 45	23 27	0 20	23 17	23 6	25 6		n.a.
S 9	17 59	22 47	3 43	21 27	0 27	9 14	8 23	14 27	1 19	16 32	0 54	21 55	0 41	10 4	0 25	19 43	0 45	23 27	0 21	23 16	23 6	25 6		n.a.
S 10	17 43	20 0	4 21	21 35	0 11	9 20	8 27	14 37	1 18	16 34	0 54	21 55	0 41	10 5	0 24	19 44	0 45	23 27	0 21	23 15	23 6	25 6		n.a.
M11	17 27	16 20	4 49	21 40	0n 4	9 26	8 31	14 47	1 17	16 36	0 54	21 55	0 41	10 6	0 24	19 44	0 45	23 27	0 21	23 15	23 5	25 5		n.a.
T 12	17 10	11 58	5 3	21 43	0 18	9 33	8 34	14 57	1 17	16 37	0 54	21 55	0 41	10 6	0 24	19 45	0 45	23 27	0 21	23 14	23 5	25 5		n.a.
W13	16 53	7 4	5 4	21 43	0 32	9 41	8 36	15 7	1 16	16 39	0 54	21 55	0 41	10 7	0 24	19 45	0 45	23 28	0 21	23 13	23 5	25 5		n.a.
T 14	16 36	1 49	4 50	21 40	0 44	9 49	8 36	15 17	1 15	16 40	0 54	21 55	0 41	10 7	0 24	19 45	0 45	23 28	0 21	23 12	23 4	25 5		n.a.
F 15	16 19	3s37	4 21	21 34	0 55	9 58	8 36	15 27	1 14	16 42	0 54	21 55	0 40	10 8	0 24	19 46	0 45	23 28	0 21	23 12	23 4	25 4		n.a.
S 16	16 1	9 0	3 39	21 26	1 5	10 8	8 35	15 36	1 13	16 43	0 54	21 56	0 40	10 9	0 24	19 46	0 45	23 28	0 21	23 11	23 4	25 4		n.a.
S 17	15 43	14 7	2 43	21 14	1 14	10 18	8 34	15 46	1 12	16 45	0 55	21 56	0 40	10 9	0 24	19 47	0 45	23 28	0 21	23 11	23 3	25 4		n.a.
M18	15 25	18 40	1 38	21 0	1 22	10 28	8 31	15 55	1 12	16 46	0 55	21 56	0 40	10 10	0 24	19 47	0 45	23 28	0 21	23 11	23 3	25 4		n.a.
T 19	15 6	22 17	0 25	20 43	1 29	10 39	8 27	16 4	1 11	16 47	0 55	21 56	0 40	10 11	0 24	19 47	0 45	23 28	0 21	23 11	23 3	25 3		n.a.
W20	14 47	24 36	0s52	20 23	1 35	10 50	8 23	16 13	1 10	16 49	0 55	21 56	0 40	10 12	0 24	19 48	0 45	23 28	0 21	23 11	23 2	25 3		n.a.
T 21	14 28	25 16	2 7	20 0	1 40	11 2	8 18	16 22	1 9	16 50	0 55	21 56	0 39	10 12	0 24	19 48	0 45	23 28	0 22	23 11	23 2	25 3		n.a.
F 22	14 9	24 8	3 14	19 36	1 44	11 13	8 12	16 30	1 8	16 51	0 55	21 56	0 39	10 13	0 24	19 49	0 45	23 28	0 22	23 11	23 2	25 2		n.a.
S 23	13 49	21 16	4 8	19 9	1 47	11 24	8 6	16 39	1 7	16 52	0 55	21 56	0 39	10 14	0 24	19 49	0 45	23 28	0 22	23 10	23 1	25 2		n.a.
S 24	13 30	16 58	4 44	18 40	1 49	11 36	7 59	16 47	1 6	16 53	0 55	21 56	0 39	10 15	0 24	19 49	0 45	23 28	0 22	23 9	23 1	25 2		n.a.
M25	13 10	11 40	5 1	18 9	1 51	11 47	7 51	16 56	1 5	16 54	0 55	21 57	0 39	10 16	0 24	19 50	0 45	23 28	0 22	23 8	23 1	25 1		n.a.
T 26	12 49	5 51	4 58	17 36	1 51	11 59	7 43	17 4	1 4	16 55	0 55	21 57	0 39	10 16	0 24	19 50	0 45	23 28	0 22	23 7	23 0	25 1		n.a.
W27	12 29	0n 7	4 37	17 1	1 51	12 10	7 34	17 12	1 3	16 56	0 55	21 57	0 39	10 17	0 24	19 51	0 45	23 28	0 22	23 6	23 0	25 1		n.a.
T 28	12 8	5 53	4 0	16 25	1 51	12 21	7 25	17 20	1 2	16 57	0 55	21 57	0 38	10 18	0 24	19 51	0 45	23 28	0 22	23 6	23 0	25 0		n.a.
F 29	11 47	11 12	3 12	15 48	1 50	12 32	7 16	17 27	1 1	16 58	0 55	21 57	0 38	10 19	0 24	19 51	0 45	23 28	0 22	23 5	22 59	25 0		n.a.
S 30	11 26	15 53	2 16	15 10	1 48	12 43	7 6	17 35	1 0	16 58	0 55	21 58	0 38	10 20	0 24	19 52	0 45	23 28	0 22	23 5	22 59	25 0		n.a.
S 31	11n 5	19n45	1s14	14n30	1n45	12n54	6s56	17n42	0s59	16n59	0s55	21s58	0n38	10s21	0n24	19s52	0s45	23s28	0s22	23n 5	22n59	24n59		n.a.

Julian Day Number = 1555081.5, Delta T = 04h28m07s
Ecliptic obliquity = 23°45'03, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'44, Lahiri = -10°14'43 Julian Calendar 1 Aug. 456 BCE == Greg. Calendar 27 July 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

SEPTEMBER 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 17 58	2♍28'22	14♊43	28♌16	3°D24	22♉58	19♉41	12♐32	27♎33	5°R29	16°R56	16°R46	15♊43	21♋31	n.a.	M 1
T 2	22 21 55	3°27'37	26°37	0♍ 4	3♌25	23°22	19°43	12°33	27°35	5♒28	16♐56	16♊46	15°40	21°37	n.a.	T 2
W 3	22 25 52	4°26'53	8♋25	1°51	3°29	23°45	19°45	12°34	27°38	5°27	16°56	16°44	15°37	21°44	n.a.	W 3
T 4	22 29 48	5°26'13	20°13	3°37	3°35	24° 8	19°47	12°35	27°40	5°25	16°56	16°39	15°34	21°51	n.a.	T 4
F 5	22 33 45	6°25'34	2♌ 4	5°23	3°44	24°31	19°49	12°36	27°43	5°24	16°D56	16°32	15°30	21°57	n.a.	F 5
S 6	22 37 41	7°24'58	14° 1	7° 8	3°54	24°53	19°51	12°37	27°45	5°23	16°56	16°22	15°27	22° 4	n.a.	S 6
S 7	22 41 38	8°24'24	26° 8	8°52	4° 7	25°15	19°52	12°39	27°48	5°21	16°56	16°10	15°24	22°11	n.a.	S 7
M 8	22 45 34	9°23'53	8♍24	10°35	4°22	25°36	19°53	12°40	27°51	5°20	16°56	15°56	15°21	22°17	n.a.	M 8
T 9	22 49 31	10°23'23	20°52	12°18	4°38	25°57	19°54	12°42	27°54	5°19	16°57	15°42	15°18	22°24	n.a.	T 9
W10	22 53 27	11°22'55	3♎30	14° 0	4°57	26°17	19°55	12°44	27°56	5°17	16°57	15°29	15°14	22°31	n.a.	W10
T 11	22 57 24	12°22'30	16°20	15°41	5°18	26°37	19°56	12°45	27°59	5°16	16°57	15°18	15°11	22°37	n.a.	T 11
F 12	23 1 20	13°22'06	29°20	17°22	5°40	26°57	19°56	12°47	28° 2	5°15	16°57	15°10	15° 8	22°44	n.a.	F 12
S 13	23 5 17	14°21'45	12♏32	19° 1	6° 4	27°15	19°R56	12°49	28° 5	5°14	16°57	15° 4	15° 5	22°51	n.a.	S 13
S 14	23 9 14	15°21'25	25°56	20°40	6°30	27°34	19°56	12°51	28° 8	5°12	16°58	15° 2	15° 2	22°57	n.a.	S 14
M15	23 13 10	16°21'08	9♐34	22°19	6°58	27°51	19°56	12°54	28°11	5°11	16°58	15° 1	14°59	23° 4	n.a.	M15
T 16	23 17 7	17°20'52	23°27	23°57	7°27	28° 9	19°56	12°56	28°14	5°10	16°58	15° 1	14°55	23°11	n.a.	T 16
W17	23 21 3	18°20'38	7♑35	25°34	7°58	28°25	19°55	12°58	28°17	5° 9	16°59	15° 0	14°52	23°17	n.a.	W17
T 18	23 25 0	19°20'26	21°57	27°10	8°30	28°41	19°54	13° 1	28°20	5° 8	16°59	14°58	14°49	23°24	n.a.	T 18
F 19	23 28 56	20°20'15	6♒31	28°46	9° 4	28°57	19°53	13° 3	28°23	5° 7	16°59	14°52	14°46	23°31	n.a.	F 19
S 20	23 32 53	21°20'07	21°13	0♎21	9°39	29°12	19°52	13° 6	28°26	5° 6	17° 0	14°44	14°43	23°37	n.a.	S 20
S 21	23 36 49	22°20'00	5♓55	1°56	10°16	29°26	19°50	13° 9	28°30	5° 5	17° 0	14°33	14°40	23°44	n.a.	S 21
M22	23 40 46	23°19'55	20°30	3°30	10°53	29°40	19°49	13°12	28°33	5° 4	17° 1	14°22	14°36	23°51	n.a.	M22
T 23	23 44 43	24°19'52	4♈51	5° 4	11°32	29°53	19°47	13°15	28°36	5° 3	17° 1	14°10	14°33	23°57	n.a.	T 23
W24	23 48 39	25°19'51	18°50	6°37	12°13	0♊ 6	19°45	13°18	28°39	5° 2	17° 2	13°59	14°30	24° 4	n.a.	W24
T 25	23 52 36	26°19'52	2♉24	8° 9	12°54	0°18	19°43	13°21	28°42	5° 1	17° 2	13°51	14°27	24°11	n.a.	T 25
F 26	23 56 32	27°19'56	15°33	9°41	13°36	0°29	19°40	13°24	28°46	5° 0	17° 3	13°45	14°24	24°17	n.a.	F 26
S 27	0 0 29	28°20'02	28°17	11°13	14°20	0°39	19°38	13°27	28°49	5° 0	17° 4	13°42	14°20	24°24	n.a.	S 27
S 28	0 4 25	29°20'10	10♊41	12°44	15° 5	0°49	19°35	13°31	28°52	4°59	17° 4	13°D41	14°17	24°31	n.a.	S 28
M29	0 8 22	0♎20'20	22°47	14°14	15°50	0°58	19°32	13°34	28°56	4°58	17° 5	13°42	14°14	24°37	n.a.	M29
T 30	0 12 18	1♎20'33	4♋42	15♎44	16♌37	1♊ 7	19♉29	13♐38	28♎59	4♒57	17♐ 6	13°R42	14♊11	24♋44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n44	22n41	0s11	13n50	1n43	13n 4	6s46	17n50	0s57	17n 0	0s56	21s58	0n38	10s22	0n24	19s52	0s45	23s28	0s22	23n 5	22n58	24n59		n.a.
T 2	10 22	24 34	0n52	13 8	1 39	13 13	6 36	17 57	0 56	17 0	0 56	21 58	0 38	10 23	0 24	19 53	0 45	23 28	0 23	23 5	22 58	24 59		n.a.
W 3	10 0	25 21	1 52	12 26	1 36	13 23	6 25	18 4	0 55	17 1	0 56	21 59	0 38	10 24	0 24	19 53	0 45	23 29	0 23	23 5	22 58	24 58		n.a.
T 4	9 38	24 58	2 47	11 44	1 32	13 32	6 15	18 11	0 54	17 1	0 56	21 59	0 37	10 25	0 24	19 53	0 45	23 29	0 23	23 4	22 57	24 58		n.a.
F 5	9 16	23 27	3 35	11 1	1 27	13 40	6 4	18 18	0 53	17 2	0 56	21 59	0 37	10 26	0 24	19 54	0 45	23 29	0 23	23 4	22 57	24 57		n.a.
S 6	8 54	20 53	4 14	10 17	1 23	13 49	5 53	18 24	0 51	17 2	0 56	21 59	0 37	10 27	0 24	19 54	0 45	23 29	0 23	23 3	22 57	24 57		n.a.
S 7	8 31	17 23	4 42	9 33	1 18	13 56	5 42	18 31	0 50	17 2	0 56	22 0	0 37	10 28	0 24	19 54	0 45	23 29	0 23	23 1	22 56	24 57		n.a.
M 8	8 9	13 6	4 57	8 49	1 13	14 4	5 31	18 37	0 49	17 3	0 56	22 0	0 37	10 29	0 24	19 55	0 45	23 29	0 23	23 0	22 56	24 56		n.a.
T 9	7 46	8 14	4 59	8 4	1 7	14 10	5 20	18 43	0 48	17 3	0 56	22 0	0 37	10 30	0 24	19 55	0 45	23 29	0 23	22 58	22 56	24 56		n.a.
W10	7 23	2 57	4 45	7 19	1 1	14 17	5 9	18 50	0 46	17 3	0 56	22 1	0 37	10 31	0 24	19 55	0 45	23 29	0 23	22 57	22 55	24 55		n.a.
T 11	7 0	2s33	4 18	6 34	0 56	14 22	4 58	18 55	0 45	17 3	0 56	22 1	0 36	10 32	0 24	19 56	0 45	23 29	0 23	22 56	22 55	24 55		n.a.
F 12	6 37	8 1	3 36	5 49	0 50	14 27	4 47	19 1	0 44	17 3	0 56	22 2	0 36	10 33	0 24	19 56	0 45	23 29	0 23	22 55	22 55	24 54		n.a.
S 13	6 14	13 13	2 42	5 4	0 44	14 32	4 37	19 7	0 42	17 3	0 56	22 2	0 36	10 34	0 24	19 56	0 45	23 29	0 23	22 54	22 54	24 54		n.a.
S 14	5 51	17 53	1 39	4 19	0 37	14 36	4 26	19 13	0 41	17 3	0 56	22 2	0 36	10 35	0 24	19 57	0 45	23 30	0 24	22 54	22 54	24 53		n.a.
M15	5 27	21 42	0 29	3 34	0 31	14 40	4 15	19 18	0 39	17 3	0 56	22 3	0 36	10 36	0 24	19 57	0 45	23 30	0 24	22 54	22 54	24 53		n.a.
T 16	5 4	24 20	0s44	2 49	0 25	14 43	4 4	19 23	0 38	17 3	0 56	22 3	0 36	10 37	0 24	19 57	0 45	23 30	0 24	22 54	22 53	24 52		n.a.
W17	4 40	25 28	1 56	2 4	0 18	14 45	3 54	19 29	0 36	17 3	0 56	22 4	0 36	10 38	0 24	19 57	0 45	23 30	0 24	22 54	22 53	24 52		n.a.
T 18	4 16	24 55	3 2	1 19	0 11	14 47	3 43	19 34	0 35	17 2	0 57	22 4	0 35	10 39	0 24	19 58	0 45	23 30	0 24	22 53	22 52	24 51		n.a.
F 19	3 53	22 42	3 56	0 34	0 5	14 48	3 33	19 39	0 33	17 2	0 57	22 5	0 35	10 40	0 23	19 58	0 45	23 30	0 24	22 53	22 52	24 51		n.a.
S 20	3 29	18 57	4 36	0s10	0s 2	14 48	3 23	19 44	0 32	17 2	0 57	22 5	0 35	10 42	0 23	19 58	0 45	23 30	0 24	22 52	22 52	24 50		n.a.
S 21	3 5	14 3	4 57	0 55	0 9	14 48	3 13	19 48	0 30	17 1	0 57	22 6	0 35	10 43	0 23	19 58	0 45	23 30	0 24	22 51	22 51	24 50		n.a.
M22	2 41	8 22	4 59	1 39	0 15	14 48	3 3	19 53	0 28	17 1	0 57	22 6	0 35	10 44	0 23	19 59	0 45	23 31	0 24	22 49	22 51	24 49		n.a.
T 23	2 17	2 21	4 41	2 22	0 22	14 46	2 53	19 57	0 27	17 0	0 57	22 7	0 35	10 45	0 23	19 59	0 45	23 31	0 24	22 48	22 51	24 49		n.a.
W24	1 53	3n40	4 7	3 6	0 29	14 45	2 43	20 2	0 25	17 0	0 57	22 7	0 35	10 46	0 23	19 59	0 45	23 31	0 24	22 47	22 50	24 48		n.a.
T 25	1 29	9 20	3 20	3 49	0 36	14 42	2 34	20 6	0 23	16 59	0 57	22 8	0 35	10 48	0 23	19 59	0 45	23 31	0 24	22 46	22 50	24 48		n.a.
F 26	1 4	14 26	2 23	4 32	0 42	14 39	2 24	20 10	0 21	16 58	0 57	22 8	0 34	10 49	0 23	19 59	0 45	23 31	0 24	22 45	22 50	24 47		n.a.
S 27	0 40	18 44	1 21	5 14	0 49	14 35	2 15	20 14	0 20	16 57	0 57	22 9	0 34	10 50	0 23	20 0	0 45	23 31	0 25	22 45	22 49	24 47		n.a.
S 28	0 16	22 4	0 16	5 56	0 56	14 31	2 6	20 18	0 18	16 57	0 57	22 9	0 34	10 51	0 23	20 0	0 45	23 31	0 25	22 44	22 49	24 46		n.a.
M29	0s 8	24 21	0n48	6 38	1 2	14 26	1 57	20 22	0 16	16 56	0 57	22 10	0 34	10 52	0 23	20 0	0 45	23 32	0 25	22 44	22 48	24 46		n.a.
T 30	0s32	25n29	1n49	7s19	1s 8	14n20	1s48	20n25	0s14	16n55	0s57	22s10	0n34	10s54	0n23	20s 0	0s45	23s32	0s25	22n44	22n48	24n45		n.a.

Julian Day Number = 1555112.5, Delta T = 04h28m06s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'39, Lahiri = -10°14'39 Julian Calendar 1 Sept. 456 BCE == Greg. Calendar 27 Aug. 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

OCTOBER 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 16 15	2♎20'47	16♋32	17♎13	17♌25	1♊14	19°R25	13♐41	29♎ 3	4°R56	17♐ 7	13°R41	14♊ 8	24♋51	n.a.	W 1
T 2	0 20 12	3°21'04	28°21	18°42	18°13	1°21	19♉22	13°45	29° 6	4♒56	17° 7	13♊38	14° 5	24°58	n.a.	T 2
F 3	0 24 8	4°21'23	10♌15	20°11	19° 2	1°28	19°18	13°49	29° 9	4°55	17° 8	13°32	14° 1	25° 4	n.a.	F 3
S 4	0 28 5	5°21'44	22°17	21°39	19°53	1°33	19°14	13°53	29°13	4°54	17° 9	13°24	13°58	25°11	n.a.	S 4
S 5	0 32 1	6°22'07	4♍31	23° 6	20°44	1°38	19°10	13°57	29°16	4°54	17°10	13°13	13°55	25°18	n.a.	S 5
M 6	0 35 58	7°22'32	16°59	24°33	21°35	1°42	19° 6	14° 1	29°20	4°53	17°11	13° 2	13°52	25°24	n.a.	M 6
T 7	0 39 54	8°22'58	29°42	25°59	22°28	1°45	19° 1	14° 5	29°23	4°53	17°12	12°49	13°49	25°31	n.a.	T 7
W 8	0 43 51	9°23'27	12♎40	27°25	23°21	1°47	18°56	14° 9	29°27	4°52	17°13	12°38	13°46	25°38	n.a.	W 8
T 9	0 47 47	10°23'57	25°51	28°50	24°15	1°48	18°51	14°13	29°30	4°52	17°14	12°28	13°42	25°44	n.a.	T 9
F 10	0 51 44	11°24'29	9♏14	0♏14	25° 9	1°R49	18°46	14°18	29°34	4°51	17°15	12°21	13°39	25°51	n.a.	F 10
S 11	0 55 40	12°25'03	22°48	1°37	26° 4	1°49	18°41	14°22	29°38	4°51	17°16	12°17	13°36	25°58	n.a.	S 11
S 12	0 59 37	13°25'38	6♐30	3° 0	27° 0	1°48	18°36	14°27	29°41	4°51	17°17	12°D15	13°33	26° 4	n.a.	S 12
M13	1 3 34	14°26'15	20°20	4°21	27°56	1°46	18°30	14°31	29°45	4°50	17°18	12°15	13°30	26°11	n.a.	M13
T 14	1 7 30	15°26'53	4♑17	5°41	28°53	1°43	18°25	14°36	29°48	4°50	17°19	12°16	13°26	26°18	n.a.	T 14
W15	1 11 27	16°27'32	18°21	7° 0	29°51	1°39	18°19	14°41	29°52	4°50	17°20	12°R16	13°23	26°24	n.a.	W15
T 16	1 15 23	17°28'12	2♒31	8°18	0♍49	1°35	18°13	14°45	29°56	4°49	17°21	12°15	13°20	26°31	n.a.	T 16
F 17	1 19 20	18°28'54	16°45	9°34	1°47	1°30	18° 7	14°50	29°59	4°49	17°23	12°12	13°17	26°38	n.a.	F 17
S 18	1 23 16	19°29'37	1♓ 1	10°48	2°46	1°24	18° 0	14°55	0♏ 3	4°49	17°24	12° 6	13°14	26°44	n.a.	S 18
S 19	1 27 13	20°30'21	15°15	12° 1	3°46	1°17	17°54	15° 0	0° 7	4°49	17°25	11°59	13°11	26°51	n.a.	S 19
M20	1 31 9	21°31'06	29°22	13°11	4°46	1° 9	17°47	15° 5	0°10	4°49	17°26	11°50	13° 7	26°58	n.a.	M20
T 21	1 35 6	22°31'53	13♈18	14°18	5°46	1° 0	17°41	15°10	0°14	4°49	17°28	11°42	13° 4	27° 4	n.a.	T 21
W22	1 39 3	23°32'41	26°59	15°23	6°47	0°50	17°34	15°16	0°18	4°D49	17°29	11°34	13° 1	27°11	n.a.	W22
T 23	1 42 59	24°33'30	10♉20	16°24	7°49	0°40	17°27	15°21	0°22	4°49	17°30	11°28	12°58	27°18	n.a.	T 23
F 24	1 46 56	25°34'21	23°21	17°21	8°50	0°29	17°20	15°26	0°25	4°49	17°32	11°24	12°55	27°25	n.a.	F 24
S 25	1 50 52	26°35'14	6♊ 2	18°14	9°53	0°17	17°13	15°32	0°29	4°49	17°33	11°D22	12°51	27°31	n.a.	S 25
S 26	1 54 49	27°36'08	18°25	19° 2	10°55	0° 4	17° 6	15°37	0°33	4°49	17°34	11°22	12°48	27°38	n.a.	S 26
M27	1 58 45	28°37'03	0♋32	19°45	11°58	29♉50	16°58	15°43	0°36	4°49	17°36	11°24	12°45	27°45	n.a.	M27
T 28	2 2 42	29°38'00	12°29	20°21	13° 1	29°35	16°51	15°48	0°40	4°49	17°37	11°25	12°42	27°51	n.a.	T 28
W29	2 6 38	0♏38'58	24°20	20°51	14° 5	29°20	16°43	15°54	0°44	4°50	17°39	11°27	12°39	27°58	n.a.	W29
T 30	2 10 35	1°39'58	6♌10	21°12	15° 9	29° 4	16°36	16° 0	0°47	4°50	17°40	11°R27	12°36	28° 5	n.a.	T 30
F 31	2 14 32	2♏40'59	18♌ 5	21♏25	16♍13	28♉47	16♉28	16♐ 5	0♏51	4♒50	17♐42	11♊25	12♊32	28♋11	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	0s57	25n27	2n45	8s 0	1s15	14n14	1s40	20n29	0s12	16n54	0s57	22s11	0n34	10s55	0n23	20s 0	0s45	23s32	0s25	22n44	22n48	24n44			n.a.
T 2	1 21	24 15	3 34	8 40	1 21	14 7	1 31	20 32	0 10	16 53	0 57	22 11	0 34	10 56	0 23	20 0	0 45	23 32	0 25	22 44	22 47	24 44			n.a.
F 3	1 45	21 58	4 14	9 20	1 27	14 0	1 23	20 35	0 8	16 52	0 57	22 12	0 34	10 57	0 23	20 1	0 45	23 32	0 25	22 43	22 47	24 43			n.a.
S 4	2 9	18 42	4 42	9 59	1 33	13 52	1 14	20 38	0 6	16 51	0 57	22 13	0 33	10 59	0 23	20 1	0 45	23 32	0 25	22 42	22 46	24 43			n.a.
S 5	2 34	14 36	4 59	10 37	1 39	13 43	1 6	20 41	0 4	16 50	0 57	22 13	0 33	11 0	0 23	20 1	0 45	23 32	0 25	22 41	22 46	24 42			n.a.
M 6	2 58	9 49	5 2	11 15	1 45	13 34	0 58	20 44	0 2	16 48	0 57	22 14	0 33	11 1	0 23	20 1	0 45	23 33	0 25	22 39	22 46	24 41			n.a.
T 7	3 22	4 32	4 50	11 52	1 50	13 24	0 51	20 47	0n 0	16 47	0 57	22 14	0 33	11 2	0 23	20 1	0 45	23 33	0 25	22 38	22 45	24 41			n.a.
W 8	3 46	1s 3	4 23	12 29	1 55	13 14	0 43	20 49	0 2	16 46	0 57	22 15	0 33	11 4	0 23	20 1	0 45	23 33	0 25	22 36	22 45	24 40			n.a.
T 9	4 10	6 41	3 41	13 4	2 0	13 3	0 36	20 52	0 4	16 45	0 57	22 16	0 33	11 5	0 23	20 1	0 45	23 33	0 26	22 35	22 45	24 40			n.a.
F 10	4 34	12 8	2 47	13 39	2 5	12 52	0 28	20 54	0 7	16 43	0 57	22 16	0 33	11 6	0 23	20 1	0 45	23 33	0 26	22 34	22 44	24 39			n.a.
S 11	4 58	17 4	1 42	14 13	2 10	12 40	0 21	20 56	0 9	16 42	0 57	22 17	0 33	11 8	0 23	20 2	0 45	23 34	0 26	22 34	22 44	24 38			n.a.
S 12	5 22	21 10	0 31	14 46	2 14	12 27	0 14	20 58	0 11	16 40	0 57	22 18	0 32	11 9	0 23	20 2	0 45	23 34	0 26	22 33	22 43	24 38			n.a.
M13	5 46	24 7	0s43	15 18	2 18	12 14	0 7	21 0	0 14	16 39	0 57	22 18	0 32	11 10	0 23	20 2	0 45	23 34	0 26	22 33	22 43	24 37			n.a.
T 14	6 10	25 36	1 55	15 49	2 22	12 0	0 1	21 2	0 16	16 37	0 57	22 19	0 32	11 11	0 23	20 2	0 45	23 34	0 26	22 33	22 43	24 36			n.a.
W15	6 33	25 28	3 1	16 18	2 25	11 46	0n 6	21 4	0 18	16 35	0 57	22 20	0 32	11 13	0 23	20 2	0 45	23 34	0 26	22 34	22 42	24 36			n.a.
T 16	6 57	23 41	3 56	16 47	2 28	11 31	0 12	21 5	0 21	16 34	0 57	22 20	0 32	11 14	0 23	20 2	0 45	23 34	0 26	22 33	22 42	24 35			n.a.
F 17	7 20	20 25	4 37	17 14	2 30	11 16	0 18	21 6	0 23	16 32	0 57	22 21	0 32	11 15	0 23	20 2	0 45	23 35	0 26	22 33	22 41	24 34			n.a.
S 18	7 43	15 56	5 1	17 40	2 32	11 0	0 24	21 7	0 26	16 30	0 57	22 22	0 32	11 17	0 23	20 2	0 45	23 35	0 26	22 32	22 41	24 34			n.a.
S 19	8 7	10 34	5 6	18 4	2 34	10 43	0 30	21 8	0 28	16 29	0 57	22 22	0 32	11 18	0 23	20 2	0 45	23 35	0 26	22 31	22 41	24 33			n.a.
M20	8 30	4 43	4 52	18 27	2 35	10 27	0 36	21 9	0 31	16 27	0 57	22 23	0 31	11 19	0 23	20 2	0 45	23 35	0 26	22 30	22 40	24 32			n.a.
T 21	8 53	1n19	4 21	18 48	2 35	10 9	0 41	21 10	0 33	16 25	0 57	22 24	0 31	11 21	0 23	20 2	0 45	23 35	0 26	22 29	22 40	24 31			n.a.
W22	9 16	7 10	3 36	19 7	2 34	9 51	0 47	21 10	0 36	16 23	0 57	22 24	0 31	11 22	0 23	20 2	0 45	23 36	0 27	22 28	22 39	24 31			n.a.
T 23	9 38	12 35	2 40	19 24	2 33	9 33	0 52	21 11	0 38	16 21	0 57	22 25	0 31	11 23	0 23	20 2	0 45	23 36	0 27	22 27	22 39	24 30			n.a.
F 24	10 1	17 18	1 36	19 39	2 31	9 15	0 57	21 11	0 41	16 19	0 57	22 26	0 31	11 25	0 23	20 2	0 45	23 36	0 27	22 26	22 39	24 29			n.a.
S 25	10 23	21 7	0 29	19 51	2 28	8 55	1 2	21 11	0 44	16 17	0 57	22 27	0 31	11 26	0 23	20 2	0 45	23 36	0 27	22 26	22 38	24 29			n.a.
S 26	10 45	23 52	0n38	20 1	2 24	8 36	1 7	21 11	0 46	16 15	0 57	22 27	0 31	11 27	0 23	20 2	0 45	23 36	0 27	22 26	22 38	24 28			n.a.
M27	11 7	25 27	1 42	20 8	2 19	8 16	1 12	21 10	0 49	16 13	0 57	22 28	0 31	11 29	0 23	20 2	0 45	23 37	0 27	22 26	22 37	24 27			n.a.
T 28	11 29	25 49	2 41	20 12	2 13	7 55	1 16	21 10	0 52	16 11	0 56	22 29	0 31	11 30	0 23	20 2	0 45	23 37	0 27	22 27	22 37	24 26			n.a.
W29	11 51	25 0	3 32	20 13	2 6	7 35	1 21	21 9	0 54	16 9	0 56	22 29	0 30	11 31	0 23	20 2	0 45	23 37	0 27	22 27	22 37	24 25			n.a.
T 30	12 12	23 4	4 14	20 10	1 57	7 13	1 25	21 8	0 57	16 7	0 56	22 30	0 30	11 32	0 23	20 2	0 45	23 37	0 27	22 27	22 36	24 25			n.a.
F 31	12s34	20n 8	4n46	20s 4	1s47	6n52	1n29	21n 7	1n 0	16n 5	0s56	22s31	0n30	11s34	0n23	20s 2	0s45	23s38	0s27	22n27	22n36	24n24			n.a.

Julian Day Number = 1555142.5, Delta T = 04h28m05s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'35, Lahiri = -10°14'35 Julian Calendar 1 Oct. 456 BCE == Greg. Calendar 26 Sept. 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

NOVEMBER 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 18 28	3♏42'01	0♍ 9	21°R28	17♍18	28°R30	16°R20	16♐11	0♏55	4♒50	17♐43	11°R22	12♊29	28♋18	n.a.	S 1
S 2	2 22 25	4°43'04	12°26	21♏21	18°23	28♉11	16♉12	16°17	0°59	4°51	17°45	11♊17	12°26	28°25	n.a.	S 2
M 3	2 26 21	5°44'09	25° 0	21° 3	19°28	27°52	16° 4	16°23	1° 2	4°51	17°46	11°11	12°23	28°31	n.a.	M 3
T 4	2 30 18	6°45'15	7♎53	20°34	20°34	27°33	15°56	16°29	1° 6	4°52	17°48	11° 5	12°20	28°38	n.a.	T 4
W 5	2 34 14	7°46'22	21° 6	19°54	21°40	27°13	15°48	16°35	1°10	4°52	17°50	10°59	12°17	28°45	n.a.	W 5
T 6	2 38 11	8°47'30	4♏37	19° 2	22°46	26°52	15°40	16°41	1°13	4°52	17°51	10°54	12°13	28°51	n.a.	T 6
F 7	2 42 7	9°48'39	18°25	18° 1	23°52	26°31	15°32	16°47	1°17	4°53	17°53	10°51	12°10	28°58	n.a.	F 7
S 8	2 46 4	10°49'48	2♐25	16°51	24°59	26° 9	15°24	16°53	1°21	4°54	17°55	10°49	12° 7	29° 5	n.a.	S 8
S 9	2 50 1	11°50'59	16°35	15°34	26° 5	25°47	15°16	17° 0	1°25	4°54	17°56	10°D49	12° 4	29°11	n.a.	S 9
M10	2 53 57	12°52'10	0♑50	14°13	27°13	25°25	15° 8	17° 6	1°28	4°55	17°58	10°50	12° 1	29°18	n.a.	M10
T 11	2 57 54	13°53'21	15° 6	12°50	28°20	25° 2	15° 0	17°12	1°32	4°55	18° 0	10°52	11°57	29°25	n.a.	T 11
W12	3 1 50	14°54'33	29°21	11°28	29°27	24°39	14°51	17°18	1°35	4°56	18° 1	10°53	11°54	29°32	n.a.	W12
T 13	3 5 47	15°55'46	13♒32	10°10	0♎35	24°15	14°43	17°25	1°39	4°57	18° 3	10°R54	11°51	29°38	n.a.	T 13
F 14	3 9 43	16°56'58	27°37	8°59	1°43	23°52	14°35	17°31	1°43	4°58	18° 5	10°53	11°48	29°45	n.a.	F 14
S 15	3 13 40	17°58'10	11♓35	7°55	2°51	23°28	14°27	17°38	1°46	4°58	18° 7	10°52	11°45	29°52	n.a.	S 15
S 16	3 17 37	18°59'23	25°25	7° 1	3°59	23° 4	14°19	17°44	1°50	4°59	18° 9	10°49	11°42	29°58	n.a.	S 16
M17	3 21 33	20° 0'36	9♈ 4	6°18	5° 8	22°40	14°11	17°51	1°54	5° 0	18°10	10°46	11°38	0♌ 5	n.a.	M17
T 18	3 25 30	21° 1'49	22°31	5°46	6°17	22°16	14° 3	17°57	1°57	5° 1	18°12	10°43	11°35	0°12	n.a.	T 18
W19	3 29 26	22° 3'03	5♉45	5°25	7°25	21°53	13°55	18° 4	2° 1	5° 2	18°14	10°40	11°32	0°18	n.a.	W19
T 20	3 33 23	23° 4'17	18°45	5°14	8°34	21°29	13°47	18°11	2° 4	5° 3	18°16	10°38	11°29	0°25	n.a.	T 20
F 21	3 37 19	24° 5'31	1♊30	5°D13	9°44	21° 5	13°39	18°17	2° 8	5° 4	18°18	10°37	11°26	0°32	n.a.	F 21
S 22	3 41 16	25° 6'45	14° 0	5°22	10°53	20°42	13°31	18°24	2°11	5° 5	18°20	10°D37	11°23	0°38	n.a.	S 22
S 23	3 45 12	26° 8'00	26°17	5°39	12° 3	20°19	13°23	18°31	2°15	5° 6	18°22	10°38	11°19	0°45	n.a.	S 23
M24	3 49 9	27° 9'15	8♋22	6° 4	13°12	19°56	13°15	18°38	2°18	5° 7	18°23	10°39	11°16	0°52	n.a.	M24
T 25	3 53 6	28°10'31	20°19	6°36	14°22	19°34	13° 8	18°44	2°22	5° 8	18°25	10°40	11°13	0°59	n.a.	T 25
W26	3 57 2	29°11'47	2♌10	7°15	15°32	19°12	13° 0	18°51	2°25	5° 9	18°27	10°41	11°10	1° 5	n.a.	W26
T 27	4 0 59	0♐13'03	14° 0	7°59	16°42	18°50	12°52	18°58	2°29	5°10	18°29	10°42	11° 7	1°12	n.a.	T 27
F 28	4 4 55	1°14'19	25°54	8°48	17°52	18°28	12°45	19° 5	2°32	5°12	18°31	10°43	11° 3	1°19	n.a.	F 28
S 29	4 8 52	2°15'36	7♍56	9°42	19° 3	18° 8	12°38	19°12	2°35	5°13	18°33	10°R43	11° 0	1°25	n.a.	S 29
S 30	4 12 48	3♐16'53	20♍12	10♏39	20♎13	17♉47	12♉31	19♐19	2♏39	5♒14	18♐35	10♊42	10♊57	1♌32	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s55	16n19	5n 5	19s53	1s35	6n30	1n33	21n 6	1n 2	16n 3	0s56	22s31	0n30	11s35	0n23	20s 1	0s45	23s38	0s27	22n26	22n35	24n23		n.a.
S 2	13 16	11 45	5 11	19 39	1 22	6 8	1 36	21 4	1 5	16 0	0 56	22 32	0 30	11 36	0 23	20 1	0 45	23 38	0 27	22 26	22 35	24 22		n.a.
M 3	13 36	6 37	5 2	19 20	1 7	5 45	1 40	21 3	1 8	15 58	0 56	22 33	0 30	11 38	0 23	20 1	0 45	23 38	0 28	22 25	22 34	24 21		n.a.
T 4	13 57	1 5	4 38	18 56	0 51	5 22	1 43	21 1	1 10	15 56	0 56	22 34	0 30	11 39	0 23	20 1	0 45	23 38	0 28	22 24	22 34	24 21		n.a.
W 5	14 17	4s39	3 59	18 28	0 33	4 59	1 47	20 59	1 13	15 54	0 56	22 34	0 30	11 40	0 23	20 1	0 45	23 39	0 28	22 23	22 34	24 20		n.a.
T 6	14 37	10 20	3 5	17 56	0 14	4 35	1 50	20 56	1 16	15 52	0 56	22 35	0 30	11 42	0 23	20 1	0 45	23 39	0 28	22 22	22 33	24 19		n.a.
F 7	14 57	15 37	2 0	17 20	0n 6	4 11	1 53	20 54	1 18	15 49	0 56	22 36	0 29	11 43	0 23	20 1	0 44	23 39	0 28	22 22	22 33	24 18		n.a.
S 8	15 16	20 10	0 46	16 40	0 26	3 47	1 56	20 51	1 21	15 47	0 55	22 36	0 29	11 44	0 23	20 1	0 44	23 39	0 28	22 22	22 32	24 17		n.a.
S 9	15 35	23 35	0s32	15 58	0 47	3 23	1 58	20 48	1 24	15 45	0 55	22 37	0 29	11 46	0 23	20 0	0 44	23 40	0 28	22 22	22 32	24 17		n.a.
M10	15 54	25 33	1 48	15 15	1 7	2 58	2 1	20 46	1 26	15 42	0 55	22 38	0 29	11 47	0 23	20 0	0 44	23 40	0 28	22 22	22 31	24 16		n.a.
T 11	16 13	25 49	2 57	14 31	1 26	2 33	2 4	20 42	1 29	15 40	0 55	22 39	0 29	11 48	0 23	20 0	0 44	23 40	0 28	22 22	22 31	24 15		n.a.
W12	16 31	24 23	3 56	13 49	1 44	2 8	2 6	20 39	1 31	15 38	0 55	22 39	0 29	11 49	0 23	20 0	0 44	23 40	0 28	22 22	22 31	24 14		n.a.
T 13	16 49	21 26	4 40	13 9	2 0	1 43	2 8	20 36	1 34	15 36	0 55	22 40	0 29	11 51	0 23	20 0	0 44	23 41	0 28	22 22	22 30	24 13		n.a.
F 14	17 7	17 14	5 6	12 33	2 15	1 18	2 10	20 32	1 36	15 33	0 55	22 41	0 29	11 52	0 23	19 59	0 44	23 41	0 28	22 22	22 30	24 12		n.a.
S 15	17 24	12 8	5 14	12 1	2 27	0 52	2 12	20 28	1 39	15 31	0 54	22 41	0 29	11 53	0 23	19 59	0 44	23 41	0 29	22 22	22 29	24 11		n.a.
S 16	17 42	6 29	5 4	11 35	2 36	0 26	2 14	20 25	1 41	15 29	0 54	22 42	0 29	11 55	0 23	19 59	0 44	23 41	0 29	22 22	22 29	24 10		n.a.
M17	17 58	0 36	4 37	11 13	2 44	0 0	2 15	20 21	1 43	15 26	0 54	22 43	0 29	11 56	0 23	19 59	0 44	23 42	0 29	22 21	22 28	24 9		n.a.
T 18	18 15	5n15	3 55	10 57	2 49	0s26	2 17	20 16	1 46	15 24	0 54	22 44	0 28	11 57	0 23	19 59	0 44	23 42	0 29	22 21	22 28	24 9		n.a.
W19	18 31	10 46	3 1	10 47	2 53	0 52	2 18	20 12	1 48	15 22	0 54	22 44	0 28	11 58	0 23	19 58	0 44	23 42	0 29	22 20	22 28	24 8		n.a.
T 20	18 47	15 44	1 58	10 42	2 54	1 19	2 19	20 8	1 50	15 20	0 54	22 45	0 28	12 0	0 23	19 58	0 44	23 42	0 29	22 20	22 27	24 7		n.a.
F 21	19 2	19 55	0 50	10 42	2 54	1 45	2 21	20 4	1 52	15 17	0 53	22 46	0 28	12 1	0 23	19 58	0 44	23 43	0 29	22 20	22 27	24 6		n.a.
S 22	19 17	23 5	0n19	10 46	2 53	2 12	2 22	19 59	1 54	15 15	0 53	22 46	0 28	12 2	0 23	19 58	0 44	23 43	0 29	22 20	22 26	24 5		n.a.
S 23	19 32	25 8	1 26	10 54	2 51	2 38	2 22	19 55	1 56	15 13	0 53	22 47	0 28	12 3	0 23	19 57	0 44	23 43	0 29	22 20	22 26	24 4		n.a.
M24	19 47	25 56	2 28	11 6	2 47	3 5	2 23	19 51	1 58	15 11	0 53	22 48	0 28	12 4	0 23	19 57	0 44	23 43	0 29	22 20	22 25	24 3		n.a.
T 25	20 1	25 32	3 23	11 20	2 43	3 32	2 24	19 46	2 0	15 9	0 53	22 48	0 28	12 6	0 23	19 57	0 44	23 44	0 29	22 20	22 25	24 2		n.a.
W26	20 14	23 58	4 8	11 38	2 38	3 59	2 24	19 42	2 2	15 7	0 52	22 49	0 28	12 7	0 23	19 56	0 44	23 44	0 29	22 20	22 24	24 1		n.a.
T 27	20 28	21 21	4 43	11 58	2 32	4 26	2 25	19 37	2 3	15 4	0 52	22 50	0 28	12 8	0 23	19 56	0 44	23 44	0 30	22 21	22 24	24 0		n.a.
F 28	20 41	17 51	5 7	12 19	2 25	4 52	2 25	19 33	2 5	15 2	0 52	22 50	0 28	12 9	0 23	19 56	0 44	23 44	0 30	22 21	22 24	23 59		n.a.
S 29	20 53	13 35	5 17	12 43	2 19	5 19	2 25	19 28	2 7	15 0	0 52	22 51	0 27	12 10	0 23	19 56	0 44	23 45	0 30	22 21	22 23	23 58		n.a.
S 30	21s 5	8n43	5n13	13s 8	2n12	5s46	2n25	19n24	2n 8	14n58	0s52	22s52	0n27	12s11	0n23	19s55	0s44	23s45	0s30	22n21	22n23	23n57		n.a.

Julian Day Number = 1555173.5, Delta T = 04h28m03s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'31, Lahiri = -10°14'31 Julian Calendar 1 Nov. 456 BCE == Greg. Calendar 27 Oct. 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 456 BCE
geocentric

DECEMBER 456 BCE (-455) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 16 45	4♐18'10	2♎44	11♏40	21♎24	17°R28	12°R23	19♐26	2♏42	5♒15	18♐37	10°R41	10♊54	1♌39	n.a.	M 1
T 2	4 20 41	5°19'27	15°38	12°44	22°35	17♉ 9	12♉16	19°33	2°45	5°17	18°39	10♊41	10°51	1°45	n.a.	T 2
W 3	4 24 38	6°20'44	28°55	13°51	23°46	16°50	12°10	19°40	2°48	5°18	18°41	10°40	10°48	1°52	n.a.	W 3
T 4	4 28 35	7°22'01	12♏36	15° 1	24°57	16°32	12° 3	19°47	2°52	5°20	18°43	10°40	10°44	1°59	n.a.	T 4
F 5	4 32 31	8°23'18	26°40	16°12	26° 8	16°15	11°56	19°54	2°55	5°21	18°45	10°39	10°41	2° 5	n.a.	F 5
S 6	4 36 28	9°24'35	11♐ 3	17°26	27°19	15°59	11°50	20° 1	2°58	5°22	18°47	10°D39	10°38	2°12	n.a.	S 6
S 7	4 40 24	10°25'51	25°40	18°41	28°30	15°43	11°43	20° 8	3° 1	5°24	18°49	10°R39	10°35	2°19	n.a.	S 7
M 8	4 44 21	11°27'08	10♑24	19°58	29°41	15°28	11°37	20°15	3° 4	5°25	18°51	10°39	10°32	2°26	n.a.	M 8
T 9	4 48 17	12°28'23	25° 9	21°16	0♏53	15°14	11°31	20°22	3° 8	5°27	18°53	10°39	10°29	2°32	n.a.	T 9
W10	4 52 14	13°29'38	9♒47	22°36	2° 4	15° 0	11°25	20°29	3°11	5°28	18°55	10°39	10°25	2°39	n.a.	W10
T 11	4 56 11	14°30'52	24°14	23°56	3°16	14°48	11°20	20°36	3°14	5°30	18°57	10°39	10°22	2°46	n.a.	T 11
F 12	5 0 7	15°32'05	8♓25	25°18	4°28	14°36	11°14	20°43	3°17	5°32	18°59	10°39	10°19	2°52	n.a.	F 12
S 13	5 4 4	16°33'18	22°20	26°41	5°39	14°25	11° 9	20°50	3°20	5°33	19° 1	10°D39	10°16	2°59	n.a.	S 13
S 14	5 8 0	17°34'29	5♈57	28° 5	6°51	14°14	11° 3	20°57	3°23	5°35	19° 3	10°39	10°13	3° 6	n.a.	S 14
M15	5 11 57	18°35'39	19°17	29°29	8° 3	14° 5	10°58	21° 4	3°25	5°37	19° 5	10°39	10° 9	3°12	n.a.	M15
T 16	5 15 53	19°36'49	2♉21	0♐55	9°15	13°56	10°53	21°12	3°28	5°38	19° 7	10°40	10° 6	3°19	n.a.	T 16
W17	5 19 50	20°37'57	15°11	2°21	10°27	13°49	10°49	21°19	3°31	5°40	19° 9	10°41	10° 3	3°26	n.a.	W17
T 18	5 23 46	21°39'05	27°48	3°48	11°39	13°42	10°44	21°26	3°34	5°42	19°11	10°42	10° 0	3°33	n.a.	T 18
F 19	5 27 43	22°40'12	10♊14	5°16	12°51	13°36	10°40	21°33	3°37	5°43	19°13	10°R42	9°57	3°39	n.a.	F 19
S 20	5 31 40	23°41'17	22°29	6°44	14° 4	13°30	10°35	21°40	3°39	5°45	19°15	10°42	9°54	3°46	n.a.	S 20
S 21	5 35 36	24°42'22	4♋36	8°14	15°16	13°26	10°31	21°47	3°42	5°47	19°17	10°41	9°50	3°53	n.a.	S 21
M22	5 39 33	25°43'27	16°36	9°43	16°28	13°22	10°28	21°54	3°45	5°49	19°19	10°39	9°47	3°59	n.a.	M22
T 23	5 43 29	26°44'30	28°30	11°14	17°40	13°19	10°24	22° 1	3°47	5°51	19°21	10°37	9°44	4° 6	n.a.	T 23
W24	5 47 26	27°45'32	10♌21	12°45	18°53	13°17	10°20	22° 8	3°50	5°53	19°23	10°34	9°41	4°13	n.a.	W24
T 25	5 51 22	28°46'34	22°12	14°17	20° 5	13°16	10°17	22°16	3°52	5°55	19°25	10°31	9°38	4°19	n.a.	T 25
F 26	5 55 19	29°47'35	4♍ 5	15°49	21°18	13°D15	10°14	22°23	3°55	5°56	19°27	10°28	9°35	4°26	n.a.	F 26
S 27	5 59 16	0♑48'34	16° 6	17°22	22°31	13°15	10°11	22°30	3°57	5°58	19°29	10°27	9°31	4°33	n.a.	S 27
S 28	6 3 12	1°49'33	28°18	18°56	23°43	13°16	10° 9	22°37	4° 0	6° 0	19°31	10°D26	9°28	4°40	n.a.	S 28
M29	6 7 9	2°50'31	10♎45	20°30	24°56	13°18	10° 6	22°44	4° 2	6° 2	19°33	10°26	9°25	4°46	n.a.	M29
T 30	6 11 5	3°51'28	23°32	22° 5	26° 9	13°20	10° 4	22°51	4° 4	6° 4	19°35	10°27	9°22	4°53	n.a.	T 30
W31	6 15 2	4♑52'24	6♏44	23♐41	27♏21	13♉23	10♉ 2	22♐58	4♏ 7	6♒ 6	19♐37	10♊29	9♊19	5♌ 0	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	21s17	3n23	4n54	13s34	2n 4	6s13	2n25	19n20	2n10	14n56	0s51	22s52	0n27	12s13	0n23	19s55	0s44	23s45	0s30	22n20	22n22	23n56			n.a.
T 2	21 28	2s14	4 20	14 1	1 57	6 40	2 25	19 16	2 11	14 54	0 51	22 53	0 27	12 14	0 23	19 55	0 44	23 45	0 30	22 20	22 22	23 55			n.a.
W 3	21 39	7 56	3 32	14 28	1 49	7 6	2 24	19 12	2 12	14 53	0 51	22 54	0 27	12 15	0 23	19 54	0 44	23 46	0 30	22 20	22 21	23 54			n.a.
T 4	21 49	13 27	2 30	14 57	1 41	7 33	2 24	19 8	2 13	14 51	0 51	22 54	0 27	12 16	0 23	19 54	0 44	23 46	0 30	22 20	22 21	23 53			n.a.
F 5	21 59	18 25	1 17	15 25	1 33	8 0	2 23	19 4	2 15	14 49	0 51	22 55	0 27	12 17	0 23	19 53	0 44	23 46	0 30	22 20	22 20	23 52			n.a.
S 6	22 9	22 26	0s 2	15 54	1 25	8 26	2 23	19 0	2 16	14 47	0 50	22 55	0 27	12 18	0 23	19 53	0 44	23 46	0 30	22 20	22 20	23 51			n.a.
S 7	22 18	25 3	1 22	16 23	1 17	8 52	2 22	18 56	2 17	14 45	0 50	22 56	0 27	12 19	0 23	19 53	0 44	23 47	0 30	22 20	22 19	23 50			n.a.
M 8	22 27	25 58	2 38	16 52	1 8	9 18	2 21	18 53	2 18	14 44	0 50	22 57	0 27	12 20	0 23	19 52	0 44	23 47	0 31	22 20	22 19	23 49			n.a.
T 9	22 35	25 2	3 43	17 21	1 0	9 44	2 20	18 49	2 19	14 42	0 50	22 57	0 27	12 21	0 23	19 52	0 44	23 47	0 31	22 20	22 19	23 48			n.a.
W10	22 43	22 24	4 33	17 49	0 52	10 10	2 19	18 46	2 20	14 40	0 49	22 58	0 27	12 23	0 23	19 52	0 44	23 47	0 31	22 20	22 18	23 47			n.a.
T 11	22 50	18 23	5 4	18 17	0 44	10 36	2 18	18 43	2 20	14 39	0 49	22 58	0 26	12 24	0 23	19 51	0 44	23 48	0 31	22 20	22 18	23 46			n.a.
F 12	22 57	13 24	5 17	18 45	0 36	11 2	2 17	18 40	2 21	14 37	0 49	22 59	0 26	12 25	0 23	19 51	0 44	23 48	0 31	22 20	22 17	23 45			n.a.
S 13	23 4	7 50	5 11	19 13	0 28	11 27	2 16	18 37	2 22	14 36	0 49	23 0	0 26	12 26	0 23	19 50	0 44	23 48	0 31	22 20	22 17	23 44			n.a.
S 14	23 10	2 0	4 47	19 40	0 20	11 52	2 14	18 35	2 22	14 34	0 49	23 0	0 26	12 27	0 23	19 50	0 44	23 48	0 31	22 20	22 16	23 43			n.a.
M15	23 15	3n49	4 8	20 6	0 13	12 17	2 13	18 33	2 23	14 33	0 48	23 1	0 26	12 28	0 23	19 50	0 44	23 49	0 31	22 20	22 16	23 42			n.a.
T 16	23 20	9 22	3 17	20 32	0 5	12 42	2 11	18 31	2 24	14 32	0 48	23 1	0 26	12 29	0 23	19 49	0 44	23 49	0 31	22 20	22 15	23 40			n.a.
W17	23 25	14 25	2 17	20 57	0s 2	13 6	2 10	18 29	2 24	14 30	0 48	23 2	0 26	12 30	0 23	19 49	0 44	23 49	0 31	22 20	22 15	23 39			n.a.
T 18	23 29	18 47	1 11	21 21	0 10	13 30	2 8	18 27	2 25	14 29	0 48	23 2	0 26	12 30	0 23	19 48	0 44	23 50	0 31	22 20	22 14	23 38			n.a.
F 19	23 33	22 14	0 3	21 44	0 17	13 54	2 6	18 25	2 25	14 28	0 47	23 3	0 26	12 31	0 23	19 48	0 44	23 50	0 31	22 21	22 14	23 37			n.a.
S 20	23 36	24 37	1n 5	22 7	0 24	14 17	2 4	18 24	2 25	14 27	0 47	23 3	0 26	12 32	0 23	19 47	0 44	23 50	0 32	22 20	22 13	23 36			n.a.
S 21	23 39	25 49	2 8	22 28	0 31	14 41	2 2	18 23	2 26	14 26	0 47	23 4	0 26	12 33	0 23	19 47	0 44	23 50	0 32	22 20	22 13	23 35			n.a.
M22	23 41	25 47	3 6	22 49	0 38	15 3	2 0	18 22	2 26	14 25	0 47	23 4	0 26	12 34	0 23	19 46	0 44	23 51	0 32	22 20	22 12	23 34			n.a.
T 23	23 43	24 33	3 54	23 9	0 44	15 26	1 58	18 22	2 26	14 24	0 46	23 5	0 26	12 35	0 23	19 46	0 44	23 51	0 32	22 20	22 12	23 33			n.a.
W24	23 44	22 14	4 33	23 27	0 50	15 48	1 56	18 21	2 26	14 23	0 46	23 5	0 26	12 36	0 23	19 45	0 44	23 51	0 32	22 19	22 11	23 31			n.a.
T 25	23 45	19 0	4 59	23 45	0 57	16 10	1 54	18 21	2 27	14 22	0 46	23 6	0 25	12 37	0 23	19 45	0 44	23 51	0 32	22 19	22 11	23 30			n.a.
F 26	23 45	14 59	5 13	24 1	1 3	16 32	1 52	18 21	2 27	14 22	0 45	23 6	0 25	12 38	0 23	19 44	0 44	23 52	0 32	22 19	22 11	23 29			n.a.
S 27	23 45	10 21	5 14	24 16	1 8	16 53	1 49	18 21	2 27	14 21	0 45	23 7	0 25	12 38	0 23	19 44	0 44	23 52	0 32	22 18	22 10	23 28			n.a.
S 28	23 44	5 16	5 0	24 30	1 14	17 13	1 47	18 21	2 27	14 20	0 45	23 7	0 25	12 39	0 23	19 44	0 44	23 52	0 32	22 18	22 10	23 27			n.a.
M29	23 43	0s 9	4 32	24 43	1 19	17 33	1 45	18 22	2 27	14 20	0 45	23 8	0 25	12 40	0 23	19 43	0 44	23 52	0 32	22 18	22 9	23 26			n.a.
T 30	23 42	5 42	3 50	24 54	1 24	17 53	1 42	18 22	2 27	14 19	0 44	23 8	0 25	12 41	0 23	19 43	0 44	23 53	0 33	22 18	22 9	23 24			n.a.
W31	23s40	11s11	2n55	25s 4	1s29	18s13	1n39	18n23	2n27	14n19	0s44	23s 9	0n25	12s42	0n23	19s42	0s44	23s53	0s33	22n19	22n 8	23n23			n.a.

Julian Day Number = 1555203.5, Delta T = 04h28m02s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'27, Lahiri = -10°14'27 Julian Calendar 1 Dec. 456 BCE == Greg. Calendar 26 Nov. 456 BCE

The year -455 astronomical counting style corresponds to year 456 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

JANUARY 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 18 58	5♑53'20	20♏21	25♐18	28♏34	13♉27	10°R 0	23♐ 5	4♏ 9	6♒ 8	19♐39	10♊30	9♊15	5♌ 6	n.a.	T 1
F 2	6 22 55	6°54'14	4♐26	26°55	29°47	13°31	9♉58	23°12	4°11	6°10	19°41	10°R31	9°12	5°13	n.a.	F 2
S 3	6 26 51	7°55'07	18°57	28°33	1♐ 0	13°37	9°57	23°19	4°13	6°12	19°43	10°31	9° 9	5°20	n.a.	S 3
S 4	6 30 48	8°55'59	3♑49	0♑12	2°13	13°42	9°55	23°26	4°15	6°14	19°45	10°29	9° 6	5°26	n.a.	S 4
M 5	6 34 45	9°56'49	18°55	1°51	3°26	13°49	9°54	23°33	4°17	6°16	19°46	10°26	9° 3	5°33	n.a.	M 5
T 6	6 38 41	10°57'39	4♒ 4	3°31	4°39	13°56	9°53	23°40	4°19	6°19	19°48	10°22	9° 0	5°40	n.a.	T 6
W 7	6 42 38	11°58'26	19° 8	5°12	5°52	14° 4	9°53	23°47	4°21	6°21	19°50	10°18	8°56	5°47	n.a.	W 7
T 8	6 46 34	12°59'12	3♓58	6°54	7° 5	14°12	9°52	23°54	4°23	6°23	19°52	10°13	8°53	5°53	n.a.	T 8
F 9	6 50 31	13°59'56	18°26	8°37	8°18	14°21	9°52	24° 0	4°25	6°25	19°54	10° 9	8°50	6° 0	n.a.	F 9
S 10	6 54 27	15° 0'38	2♈29	10°20	9°31	14°31	9°D52	24° 7	4°27	6°27	19°56	10° 7	8°47	6° 7	n.a.	S 10
S 11	6 58 24	16° 1'18	16° 7	12° 5	10°44	14°41	9°52	24°14	4°29	6°29	19°58	10°D 6	8°44	6°13	n.a.	S 11
M12	7 2 20	17° 1'56	29°22	13°50	11°57	14°52	9°52	24°21	4°31	6°31	20° 0	10° 7	8°41	6°20	n.a.	M12
T 13	7 6 17	18° 2'32	12♉15	15°36	13°10	15° 4	9°53	24°27	4°32	6°34	20° 1	10° 9	8°37	6°27	n.a.	T 13
W14	7 10 14	19° 3'07	24°50	17°23	14°23	15°16	9°54	24°34	4°34	6°36	20° 3	10°10	8°34	6°33	n.a.	W14
T 15	7 14 10	20° 3'40	7♊11	19°10	15°36	15°28	9°55	24°41	4°35	6°38	20° 5	10°R11	8°31	6°40	n.a.	T 15
F 16	7 18 7	21° 4'10	19°22	20°59	16°49	15°41	9°56	24°48	4°37	6°40	20° 7	10°11	8°28	6°47	n.a.	F 16
S 17	7 22 3	22° 4'39	1♋24	22°48	18° 3	15°55	9°57	24°54	4°38	6°42	20° 9	10° 8	8°25	6°54	n.a.	S 17
S 18	7 26 0	23° 5'07	13°22	24°38	19°16	16° 9	9°59	25° 1	4°40	6°45	20°10	10° 4	8°21	7° 0	n.a.	S 18
M19	7 29 56	24° 5'32	25°15	26°29	20°29	16°24	10° 1	25° 7	4°41	6°47	20°12	9°57	8°18	7° 7	n.a.	M19
T 20	7 33 53	25° 5'56	7♌ 7	28°21	21°42	16°39	10° 2	25°14	4°43	6°49	20°14	9°49	8°15	7°14	n.a.	T 20
W21	7 37 49	26° 6'17	18°59	0♒13	22°56	16°54	10° 5	25°20	4°44	6°51	20°16	9°40	8°12	7°20	n.a.	W21
T 22	7 41 46	27° 6'37	0♍52	2° 6	24° 9	17°10	10° 7	25°27	4°45	6°54	20°17	9°30	8° 9	7°27	n.a.	T 22
F 23	7 45 43	28° 6'56	12°48	3°59	25°22	17°26	10° 9	25°33	4°46	6°56	20°19	9°22	8° 6	7°34	n.a.	F 23
S 24	7 49 39	29° 7'12	24°51	5°53	26°35	17°43	10°12	25°39	4°47	6°58	20°21	9°15	8° 2	7°40	n.a.	S 24
S 25	7 53 36	0♒ 7'27	7♎ 3	7°47	27°49	18° 0	10°15	25°46	4°48	7° 0	20°22	9°10	7°59	7°47	n.a.	S 25
M26	7 57 32	1° 7'40	19°27	9°41	29° 2	18°18	10°18	25°52	4°49	7° 3	20°24	9° 7	7°56	7°54	n.a.	M26
T 27	8 1 29	2° 7'52	2♏ 9	11°34	0♑15	18°36	10°21	25°58	4°50	7° 5	20°25	9°D 6	7°53	8° 1	n.a.	T 27
W28	8 5 25	3° 8'02	15°12	13°28	1°29	18°55	10°25	26° 4	4°51	7° 7	20°27	9° 6	7°50	8° 7	n.a.	W28
T 29	8 9 22	4° 8'10	28°40	15°20	2°42	19°14	10°28	26°11	4°52	7° 9	20°29	9° 7	7°47	8°14	n.a.	T 29
F 30	8 13 18	5° 8'17	12♐35	17°12	3°56	19°33	10°32	26°17	4°53	7°12	20°30	9°R 8	7°43	8°21	n.a.	F 30
S 31	8 17 15	6♒ 8'22	26♐58	19♒ 2	5♑ 9	19♉52	10♉36	26♐23	4♏54	7♒14	20♐32	9♊ 6	7♊40	8♌27	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23s37	16s19	1n49	25s13	1s33	18s32	1n37	18n25	2n27	14n19	0s44	23s 9	0n25	12s42	0n23	19s42	0s44	23s53	0s33	22n19	22n 8	23n22			n.a.
F 2	23 34	20 46	0 33	25 20	1 37	18 50	1 34	18 26	2 27	14 18	0 44	23 10	0 25	12 43	0 23	19 41	0 44	23 53	0 33	22 19	22 7	23 21			n.a.
S 3	23 31	24 3	0s46	25 26	1 41	19 8	1 32	18 27	2 27	14 18	0 43	23 10	0 25	12 44	0 23	19 40	0 44	23 54	0 33	22 19	22 7	23 20			n.a.
S 4	23 27	25 46	2 4	25 30	1 45	19 25	1 29	18 29	2 26	14 18	0 43	23 10	0 25	12 45	0 23	19 40	0 44	23 54	0 33	22 19	22 6	23 18			n.a.
M 5	23 22	25 37	3 15	25 32	1 48	19 42	1 26	18 31	2 26	14 18	0 43	23 11	0 25	12 45	0 23	19 39	0 44	23 54	0 33	22 18	22 6	23 17			n.a.
T 6	23 18	23 34	4 12	25 33	1 51	19 59	1 23	18 33	2 26	14 18	0 43	23 11	0 25	12 46	0 23	19 39	0 44	23 54	0 33	22 18	22 5	23 16			n.a.
W 7	23 12	19 53	4 51	25 32	1 54	20 15	1 21	18 35	2 26	14 18	0 42	23 12	0 25	12 47	0 23	19 38	0 44	23 55	0 33	22 17	22 5	23 15			n.a.
T 8	23 6	14 59	5 10	25 30	1 56	20 30	1 18	18 38	2 26	14 18	0 42	23 12	0 25	12 47	0 23	19 38	0 44	23 55	0 33	22 16	22 4	23 13			n.a.
F 9	23 0	9 21	5 9	25 26	1 58	20 45	1 15	18 40	2 26	14 18	0 42	23 12	0 24	12 48	0 23	19 37	0 44	23 55	0 33	22 16	22 4	23 12			n.a.
S 10	22 54	3 24	4 49	25 19	1 59	20 59	1 12	18 43	2 25	14 18	0 42	23 13	0 24	12 48	0 23	19 37	0 44	23 55	0 34	22 15	22 3	23 11			n.a.
S 11	22 47	2n32	4 13	25 12	2 0	21 13	1 9	18 46	2 25	14 19	0 41	23 13	0 24	12 49	0 23	19 36	0 44	23 56	0 34	22 15	22 3	23 10			n.a.
M12	22 39	8 13	3 24	25 2	2 1	21 26	1 6	18 49	2 25	14 19	0 41	23 13	0 24	12 50	0 23	19 36	0 44	23 56	0 34	22 15	22 2	23 8			n.a.
T 13	22 31	13 23	2 26	24 50	2 1	21 38	1 3	18 52	2 25	14 19	0 41	23 14	0 24	12 50	0 23	19 35	0 44	23 56	0 34	22 16	22 2	23 7			n.a.
W14	22 23	17 53	1 23	24 36	2 1	21 50	1 0	18 55	2 24	14 20	0 41	23 14	0 24	12 51	0 23	19 35	0 44	23 56	0 34	22 16	22 1	23 6			n.a.
T 15	22 14	21 31	0 16	24 21	2 0	22 1	0 57	18 59	2 24	14 20	0 40	23 14	0 24	12 51	0 23	19 34	0 44	23 56	0 34	22 16	22 1	23 4			n.a.
F 16	22 5	24 9	0n50	24 3	1 59	22 12	0 54	19 2	2 24	14 21	0 40	23 15	0 24	12 52	0 23	19 33	0 44	23 57	0 34	22 16	22 0	23 3			n.a.
S 17	21 55	25 37	1 53	23 44	1 58	22 22	0 51	19 6	2 23	14 22	0 40	23 15	0 24	12 52	0 23	19 33	0 44	23 57	0 34	22 16	22 0	23 2			n.a.
S 18	21 45	25 53	2 50	23 22	1 55	22 31	0 48	19 10	2 23	14 22	0 40	23 15	0 24	12 53	0 23	19 32	0 44	23 57	0 34	22 15	21 59	23 1			n.a.
M19	21 34	24 57	3 39	22 58	1 53	22 40	0 45	19 14	2 23	14 23	0 39	23 16	0 24	12 53	0 23	19 32	0 44	23 57	0 34	22 14	21 59	22 59			n.a.
T 20	21 23	22 54	4 19	22 33	1 49	22 48	0 42	19 18	2 22	14 24	0 39	23 16	0 24	12 54	0 23	19 31	0 44	23 58	0 35	22 13	21 58	22 58			n.a.
W21	21 12	19 52	4 47	22 5	1 46	22 55	0 39	19 22	2 22	14 25	0 39	23 16	0 24	12 54	0 23	19 31	0 44	23 58	0 35	22 11	21 58	22 57			n.a.
T 22	21 1	16 1	5 3	21 35	1 41	23 2	0 35	19 26	2 22	14 26	0 39	23 17	0 24	12 54	0 23	19 30	0 44	23 58	0 35	22 10	21 57	22 55			n.a.
F 23	20 48	11 32	5 6	21 4	1 36	23 8	0 32	19 31	2 21	14 27	0 38	23 17	0 24	12 55	0 23	19 29	0 44	23 58	0 35	22 9	21 57	22 54			n.a.
S 24	20 36	6 35	4 56	20 30	1 30	23 13	0 29	19 35	2 21	14 28	0 38	23 17	0 24	12 55	0 23	19 29	0 44	23 59	0 35	22 7	21 56	22 53			n.a.
S 25	20 23	1 19	4 32	19 55	1 24	23 18	0 26	19 40	2 20	14 29	0 38	23 17	0 24	12 56	0 23	19 28	0 44	23 59	0 35	22 7	21 56	22 51			n.a.
M26	20 10	4s 6	3 54	19 17	1 17	23 22	0 23	19 44	2 20	14 30	0 38	23 18	0 23	12 56	0 23	19 28	0 44	23 59	0 35	22 6	21 55	22 50			n.a.
T 27	19 57	9 29	3 5	18 38	1 9	23 25	0 20	19 49	2 20	14 32	0 37	23 18	0 23	12 56	0 23	19 27	0 44	23 59	0 35	22 6	21 55	22 48			n.a.
W28	19 43	14 37	2 5	17 58	1 0	23 27	0 17	19 54	2 19	14 33	0 37	23 18	0 23	12 56	0 23	19 27	0 44	23 59	0 35	22 6	21 54	22 47			n.a.
T 29	19 28	19 13	0 56	17 16	0 51	23 29	0 14	19 59	2 19	14 34	0 37	23 18	0 23	12 57	0 23	19 26	0 44	24 0	0 35	22 6	21 53	22 46			n.a.
F 30	19 14	22 54	0s19	16 32	0 41	23 30	0 11	20 4	2 18	14 36	0 37	23 19	0 23	12 57	0 23	19 25	0 44	24 0	0 36	22 6	21 53	22 44			n.a.
S 31	18s59	25s17	1s34	15s48	0s31	23s31	0n 8	20n 9	2n18	14n37	0s36	23s19	0n23	12s57	0n23	19s25	0s44	24s 0	0s36	22n 6	21n52	22n43			n.a.

Julian Day Number = 1555234.5, Delta T = 04h28m01s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'23, Lahiri = -10°14'22 Julian Calendar 1 Jan. 455 BCE == Greg. Calendar 27 Dec. 456 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

FEBRUARY 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 21 12	7♒ 8'25	11♉47	20♒50	6♉22	20♉12	10♉40	26♐29	4♏54	7♒16	20♐33	9°R 3	7♊37	8♌34	n.a.	S 1
M 2	8 25 8	8° 8'27	26°56	22°36	7°36	20°33	10°45	26°35	4°55	7°18	20°35	8♊56	7°34	8°41	n.a.	M 2
T 3	8 29 5	9° 8'26	12♒15	24°20	8°49	20°54	10°49	26°41	4°55	7°21	20°36	8°48	7°31	8°48	n.a.	T 3
W 4	8 33 1	10° 8'23	27°33	26° 0	10° 3	21°15	10°54	26°46	4°56	7°23	20°38	8°39	7°27	8°54	n.a.	W 4
T 5	8 36 58	11° 8'18	12♓39	27°36	11°16	21°36	10°59	26°52	4°56	7°25	20°39	8°29	7°24	9° 1	n.a.	T 5
F 6	8 40 54	12° 8'11	27°23	29° 8	12°29	21°58	11° 4	26°58	4°57	7°28	20°40	8°21	7°21	9° 8	n.a.	F 6
S 7	8 44 51	13° 8'02	11♈41	0♓35	13°43	22°20	11° 9	27° 4	4°57	7°30	20°42	8°15	7°18	9°14	n.a.	S 7
S 8	8 48 47	14° 7'50	25°28	1°57	14°56	22°42	11°15	27° 9	4°58	7°32	20°43	8°11	7°15	9°21	n.a.	S 8
M 9	8 52 44	15° 7'35	8♉47	3°13	16°10	23° 5	11°20	27°15	4°58	7°34	20°44	8° 9	7°12	9°28	n.a.	M 9
T 10	8 56 41	16° 7'19	21°40	4°23	17°23	23°28	11°26	27°20	4°58	7°37	20°46	8°D 9	7° 8	9°34	n.a.	T 10
W11	9 0 37	17° 7'00	4♊11	5°26	18°37	23°51	11°32	27°26	4°58	7°39	20°47	8°R10	7° 5	9°41	n.a.	W11
T 12	9 4 34	18° 6'38	16°26	6°22	19°50	24°14	11°38	27°31	4°58	7°41	20°48	8°10	7° 2	9°48	n.a.	T 12
F 13	9 8 30	19° 6'15	28°29	7°10	21° 3	24°38	11°44	27°36	4°R58	7°43	20°50	8° 8	6°59	9°55	n.a.	F 13
S 14	9 12 27	20° 5'49	10♋24	7°51	22°17	25° 2	11°50	27°42	4°58	7°46	20°51	8° 3	6°56	10° 1	n.a.	S 14
S 15	9 16 23	21° 5'20	22°16	8°24	23°30	25°26	11°57	27°47	4°58	7°48	20°52	7°56	6°53	10° 8	n.a.	S 15
M16	9 20 20	22° 4'50	4♌ 6	8°48	24°44	25°51	12° 4	27°52	4°58	7°50	20°53	7°46	6°49	10°15	n.a.	M16
T 17	9 24 16	23° 4'17	15°58	9° 5	25°57	26°16	12°10	27°57	4°58	7°52	20°54	7°34	6°46	10°21	n.a.	T 17
W18	9 28 13	24° 3'42	27°52	9°13	27°11	26°41	12°17	28° 2	4°58	7°54	20°55	7°20	6°43	10°28	n.a.	W18
T 19	9 32 10	25° 3'04	9♍50	9°R14	28°24	27° 6	12°25	28° 7	4°57	7°57	20°57	7° 6	6°40	10°35	n.a.	T 19
F 20	9 36 6	26° 2'25	21°53	9° 6	29°38	27°32	12°32	28°12	4°57	7°59	20°58	6°53	6°37	10°42	n.a.	F 20
S 21	9 40 3	27° 1'43	4♎ 4	8°51	0♒51	27°57	12°39	28°17	4°57	8° 1	20°59	6°41	6°33	10°48	n.a.	S 21
S 22	9 43 59	28° 1'00	16°22	8°30	2° 4	28°23	12°47	28°21	4°56	8° 3	21° 0	6°33	6°30	10°55	n.a.	S 22
M23	9 47 56	29° 0'14	28°52	8° 2	3°18	28°50	12°54	28°26	4°56	8° 5	21° 1	6°27	6°27	11° 2	n.a.	M23
T 24	9 51 52	29°59'27	11♏35	7°28	4°31	29°16	13° 2	28°31	4°55	8° 8	21° 2	6°24	6°24	11° 8	n.a.	T 24
W25	9 55 49	0♓58'38	24°35	6°49	5°45	29°42	13°10	28°35	4°55	8°10	21° 3	6°23	6°21	11°15	n.a.	W25
T 26	9 59 45	1°57'47	7♐56	6° 6	6°58	0♊ 9	13°18	28°40	4°54	8°12	21° 3	6°23	6°18	11°22	n.a.	T 26
F 27	10 3 42	2°56'54	21°41	5°20	8°12	0°36	13°26	28°44	4°53	8°14	21° 4	6°23	6°14	11°29	n.a.	F 27
S 28	10 7 38	3♓55'59	5♉51	4♓32	9♒25	1♊ 3	13♉35	28♐48	4♏53	8♒16	21♐ 5	6♊21	6♊11	11♌35	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	18s44	25s58	2s45	15s 3	0s20	23s31	0n 5	20n14	2n18	14n39	0s36	23s19	0n23	12s57	0n23	19s24	0s44	24s 0	0s36	22n 6	21n52	22n41			n.a.
M 2	18 28	24 45	3 47	14 17	0 8	23 30	0 2	20 19	2 17	14 40	0 36	23 19	0 23	12 58	0 23	19 24	0 44	24 0	0 36	22 5	21 51	22 40			n.a.
T 3	18 12	21 41	4 32	13 31	0n 4	23 28	0s 1	20 24	2 17	14 42	0 36	23 19	0 23	12 58	0 23	19 23	0 44	24 1	0 36	22 3	21 51	22 39			n.a.
W 4	17 56	17 8	4 58	12 45	0 17	23 26	0 4	20 30	2 16	14 44	0 35	23 20	0 23	12 58	0 23	19 23	0 44	24 1	0 36	22 2	21 50	22 37			n.a.
T 5	17 39	11 33	5 3	12 0	0 30	23 23	0 7	20 35	2 16	14 46	0 35	23 20	0 23	12 58	0 23	19 22	0 44	24 1	0 36	22 0	21 50	22 36			n.a.
F 6	17 23	5 26	4 47	11 15	0 43	23 19	0 10	20 40	2 15	14 47	0 35	23 20	0 23	12 58	0 23	19 21	0 44	24 1	0 36	21 59	21 49	22 34			n.a.
S 7	17 6	0n47	4 14	10 31	0 57	23 14	0 12	20 46	2 15	14 49	0 35	23 20	0 23	12 58	0 23	19 21	0 44	24 1	0 36	21 58	21 49	22 33			n.a.
S 8	16 48	6 46	3 27	9 48	1 11	23 9	0 15	20 51	2 15	14 51	0 35	23 20	0 23	12 59	0 23	19 20	0 44	24 2	0 36	21 57	21 48	22 31			n.a.
M 9	16 31	12 15	2 30	9 8	1 25	23 3	0 18	20 57	2 14	14 53	0 34	23 21	0 23	12 59	0 23	19 20	0 44	24 2	0 37	21 57	21 48	22 30			n.a.
T 10	16 13	17 1	1 27	8 29	1 39	22 57	0 21	21 2	2 14	14 55	0 34	23 21	0 23	12 59	0 23	19 19	0 44	24 2	0 37	21 57	21 47	22 29			n.a.
W11	15 54	20 55	0 21	7 53	1 53	22 50	0 23	21 8	2 13	14 57	0 34	23 21	0 23	12 59	0 23	19 19	0 44	24 2	0 37	21 57	21 47	22 27			n.a.
T 12	15 36	23 47	0n44	7 20	2 7	22 42	0 26	21 13	2 13	14 59	0 34	23 21	0 23	12 59	0 24	19 18	0 44	24 2	0 37	21 57	21 46	22 26			n.a.
F 13	15 17	25 30	1 46	6 49	2 20	22 33	0 29	21 19	2 12	15 1	0 33	23 21	0 23	12 59	0 24	19 17	0 44	24 3	0 37	21 57	21 46	22 24			n.a.
S 14	14 58	26 2	2 42	6 22	2 33	22 24	0 31	21 24	2 12	15 4	0 33	23 21	0 23	12 59	0 24	19 17	0 44	24 3	0 37	21 56	21 45	22 23			n.a.
S 15	14 39	25 21	3 31	5 59	2 45	22 14	0 34	21 30	2 11	15 6	0 33	23 21	0 22	12 59	0 24	19 16	0 44	24 3	0 37	21 55	21 44	22 21			n.a.
M16	14 20	23 32	4 11	5 39	2 56	22 3	0 36	21 35	2 11	15 8	0 33	23 22	0 22	12 59	0 24	19 16	0 44	24 3	0 37	21 53	21 44	22 20			n.a.
T 17	14 0	20 42	4 39	5 24	3 6	21 52	0 39	21 41	2 10	15 10	0 33	23 22	0 22	12 59	0 24	19 15	0 44	24 3	0 37	21 51	21 43	22 18			n.a.
W18	13 40	16 59	4 56	5 12	3 16	21 40	0 41	21 46	2 10	15 13	0 32	23 22	0 22	12 58	0 24	19 15	0 44	24 4	0 38	21 49	21 43	22 17			n.a.
T 19	13 20	12 36	5 0	5 5	3 23	21 28	0 44	21 52	2 10	15 15	0 32	23 22	0 22	12 58	0 24	19 14	0 44	24 4	0 38	21 47	21 42	22 15			n.a.
F 20	13 0	7 41	4 50	5 1	3 30	21 15	0 46	21 57	2 9	15 18	0 32	23 22	0 22	12 58	0 24	19 13	0 44	24 4	0 38	21 44	21 42	22 14			n.a.
S 21	12 40	2 26	4 27	5 2	3 35	21 1	0 48	22 3	2 9	15 20	0 32	23 22	0 22	12 58	0 24	19 13	0 44	24 4	0 38	21 43	21 41	22 12			n.a.
S 22	12 19	2s58	3 51	5 7	3 39	20 46	0 50	22 8	2 8	15 23	0 32	23 22	0 22	12 58	0 24	19 12	0 44	24 4	0 38	21 41	21 41	22 11			n.a.
M23	11 58	8 21	3 4	5 16	3 40	20 31	0 53	22 14	2 8	15 25	0 31	23 22	0 22	12 58	0 24	19 12	0 44	24 5	0 38	21 40	21 40	22 9			n.a.
T 24	11 37	13 30	2 7	5 28	3 41	20 16	0 55	22 19	2 7	15 28	0 31	23 23	0 22	12 58	0 24	19 11	0 44	24 5	0 38	21 40	21 40	22 7			n.a.
W25	11 16	18 10	1 2	5 44	3 39	20 0	0 57	22 25	2 7	15 30	0 31	23 23	0 22	12 57	0 24	19 11	0 45	24 5	0 38	21 39	21 39	22 6			n.a.
T 26	10 55	22 3	0s 8	6 3	3 35	19 43	0 59	22 30	2 6	15 33	0 31	23 23	0 22	12 57	0 24	19 10	0 45	24 5	0 38	21 39	21 38	22 4			n.a.
F 27	10 33	24 49	1 20	6 25	3 30	19 26	1 1	22 36	2 6	15 36	0 31	23 23	0 22	12 57	0 24	19 10	0 45	24 5	0 39	21 39	21 38	22 3			n.a.
S 28	10s12	26s 6	2s29	6s49	3n23	19s 8	1s 3	22n41	2n 5	15n38	0s30	23s23	0n22	12s57	0n24	19s 9	0s45	24s 5	0s39	21n39	21n37	22n 1			n.a.

Julian Day Number = 1555265.5, Delta T = 04h28m00s
Ecliptic obliquity = 23°45'04, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'19, Lahiri = -10°14'18 Julian Calendar 1 Feb. 455 BCE == Greg. Calendar 27 Jan. 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

MARCH 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 11 35	4♓55'03	20♉25	3°R43	10♒39	1♊31	13♉43	28♐52	4°R52	8♒18	21♐ 6	6°R16	6♊ 8	11♌42	n.a.	S 1
M 2	10 15 32	5°54'05	5♒21	2♓53	11°52	1°58	13°52	28°56	4♏51	8°20	21° 7	6♊ 9	6° 5	11°49	n.a.	M 2
T 3	10 19 28	6°53'04	20°30	2° 5	13° 6	2°26	14° 1	29° 1	4°50	8°22	21° 8	5°59	6° 2	11°55	n.a.	T 3
W 4	10 23 25	7°52'02	5♓43	1°18	14°19	2°54	14° 9	29° 5	4°49	8°24	21° 8	5°48	5°58	12° 2	n.a.	W 4
T 5	10 27 21	8°50'57	20°49	0°33	15°33	3°22	14°18	29° 8	4°48	8°26	21° 9	5°37	5°55	12° 9	n.a.	T 5
F 6	10 31 18	9°49'50	5♈38	29♒52	16°46	3°50	14°28	29°12	4°47	8°28	21°10	5°27	5°52	12°16	n.a.	F 6
S 7	10 35 14	10°48'41	20° 2	29°14	18° 0	4°19	14°37	29°16	4°46	8°30	21°10	5°19	5°49	12°22	n.a.	S 7
S 8	10 39 11	11°47'29	3♉57	28°41	19°13	4°48	14°46	29°20	4°45	8°32	21°11	5°13	5°46	12°29	n.a.	S 8
M 9	10 43 7	12°46'15	17°23	28°12	20°27	5°16	14°55	29°23	4°44	8°34	21°12	5°10	5°43	12°36	n.a.	M 9
T 10	10 47 4	13°44'59	0♊21	27°48	21°40	5°45	15° 5	29°27	4°43	8°36	21°12	5°10	5°39	12°42	n.a.	T 10
W11	10 51 1	14°43'41	12°55	27°30	22°54	6°14	15°15	29°30	4°41	8°38	21°13	5°10	5°36	12°49	n.a.	W11
T 12	10 54 57	15°42'20	25°11	27°16	24° 7	6°44	15°24	29°33	4°40	8°40	21°13	5° 9	5°33	12°56	n.a.	T 12
F 13	10 58 54	16°40'57	7♋14	27° 8	25°21	7°13	15°34	29°37	4°39	8°42	21°14	5° 8	5°30	13° 3	n.a.	F 13
S 14	11 2 50	17°39'32	19° 8	27°D 6	26°34	7°43	15°44	29°40	4°37	8°44	21°14	5° 4	5°27	13° 9	n.a.	S 14
S 15	11 6 47	18°38'04	0♌58	27° 8	27°48	8°12	15°54	29°43	4°36	8°46	21°15	4°57	5°24	13°16	n.a.	S 15
M16	11 10 43	19°36'34	12°49	27°16	29° 1	8°42	16° 5	29°46	4°34	8°48	21°15	4°48	5°20	13°23	n.a.	M16
T 17	11 14 40	20°35'02	24°42	27°28	0♓14	9°12	16°15	29°49	4°33	8°49	21°15	4°37	5°17	13°29	n.a.	T 17
W18	11 18 36	21°33'28	6♍41	27°46	1°28	9°42	16°25	29°51	4°31	8°51	21°16	4°24	5°14	13°36	n.a.	W18
T 19	11 22 33	22°31'52	18°47	28° 8	2°41	10°12	16°36	29°54	4°30	8°53	21°16	4°11	5°11	13°43	n.a.	T 19
F 20	11 26 29	23°30'13	1♎ 1	28°34	3°55	10°43	16°46	29°57	4°28	8°55	21°16	3°59	5° 8	13°49	n.a.	F 20
S 21	11 30 26	24°28'33	13°23	29° 5	5° 8	11°13	16°57	29°59	4°26	8°56	21°16	3°48	5° 4	13°56	n.a.	S 21
S 22	11 34 23	25°26'51	25°56	29°40	6°22	11°44	17° 8	0♑ 2	4°25	8°58	21°17	3°40	5° 1	14° 3	n.a.	S 22
M23	11 38 19	26°25'07	8♏38	0♓19	7°35	12°14	17°18	0° 4	4°23	9° 0	21°17	3°35	4°58	14°10	n.a.	M23
T 24	11 42 16	27°23'21	21°33	1° 1	8°49	12°45	17°29	0° 6	4°21	9° 1	21°17	3°32	4°55	14°16	n.a.	T 24
W25	11 46 12	28°21'34	4♐41	1°47	10° 2	13°16	17°40	0° 8	4°19	9° 3	21°17	3°D32	4°52	14°23	n.a.	W25
T 26	11 50 9	29°19'46	18° 5	2°37	11°16	13°47	17°51	0°10	4°18	9° 5	21°17	3°32	4°49	14°30	n.a.	T 26
F 27	11 54 5	0♈17'56	1♑47	3°30	12°29	14°18	18° 2	0°12	4°16	9° 6	21°17	3°R32	4°45	14°36	n.a.	F 27
S 28	11 58 2	1°16'04	15°48	4°26	13°42	14°50	18°14	0°14	4°14	9° 8	21°17	3°32	4°42	14°43	n.a.	S 28
S 29	12 1 58	2°14'11	0♒ 8	5°25	14°56	15°21	18°25	0°16	4°12	9° 9	21°R17	3°29	4°39	14°50	n.a.	S 29
M30	12 5 55	3°12'16	14°44	6°27	16° 9	15°52	18°36	0°18	4°10	9°11	21°17	3°23	4°36	14°57	n.a.	M30
T 31	12 9 52	4♈10'20	29♒32	7♓32	17♓23	16♊24	18♉48	0♑19	4♏ 8	9♒12	21♐17	3♊16	4♊33	15♌ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	9s50	25s38	3s30	7s15	3n15	18s50	1s 4	22n46	2n 5	15n41	0s30	23s23	0n22	12s56	0n24	19s 9	0s45	24s 6	0s39	21n38	21n37	22n 0			n.a.
M 2	9 28	23 21	4 18	7 43	3 5	18 31	1 6	22 51	2 4	15 44	0 30	23 23	0 22	12 56	0 24	19 8	0 45	24 6	0 39	21 37	21 36	21 58			n.a.
T 3	9 6	19 24	4 49	8 11	2 53	18 11	1 8	22 57	2 4	15 47	0 30	23 23	0 22	12 56	0 24	19 8	0 45	24 6	0 39	21 35	21 36	21 56			n.a.
W 4	8 44	14 10	5 0	8 39	2 41	17 51	1 10	23 2	2 3	15 50	0 30	23 23	0 22	12 55	0 24	19 7	0 45	24 6	0 39	21 33	21 35	21 55			n.a.
T 5	8 21	8 7	4 50	9 8	2 27	17 31	1 11	23 7	2 3	15 52	0 29	23 23	0 22	12 55	0 24	19 6	0 45	24 6	0 39	21 31	21 35	21 53			n.a.
F 6	7 59	1 42	4 20	9 36	2 13	17 10	1 13	23 12	2 3	15 55	0 29	23 23	0 22	12 55	0 24	19 6	0 45	24 6	0 39	21 29	21 34	21 52			n.a.
S 7	7 36	4n38	3 34	10 3	1 58	16 49	1 14	23 17	2 2	15 58	0 29	23 23	0 22	12 54	0 24	19 5	0 45	24 7	0 39	21 28	21 33	21 50			n.a.
S 8	7 14	10 33	2 37	10 29	1 42	16 27	1 16	23 22	2 2	16 1	0 29	23 23	0 21	12 54	0 24	19 5	0 45	24 7	0 40	21 27	21 33	21 48			n.a.
M 9	6 51	15 46	1 33	10 54	1 27	16 5	1 17	23 27	2 1	16 4	0 29	23 24	0 21	12 54	0 24	19 4	0 45	24 7	0 40	21 26	21 32	21 47			n.a.
T 10	6 28	20 4	0 25	11 17	1 11	15 42	1 18	23 31	2 1	16 7	0 28	23 24	0 21	12 53	0 24	19 4	0 45	24 7	0 40	21 26	21 32	21 45			n.a.
W11	6 5	23 19	0n41	11 38	0 55	15 19	1 20	23 36	2 0	16 10	0 28	23 24	0 21	12 53	0 24	19 3	0 45	24 7	0 40	21 26	21 31	21 44			n.a.
T 12	5 42	25 24	1 44	11 58	0 40	14 55	1 21	23 41	2 0	16 13	0 28	23 24	0 21	12 52	0 24	19 3	0 45	24 7	0 40	21 26	21 31	21 42			n.a.
F 13	5 19	26 14	2 41	12 15	0 24	14 31	1 22	23 45	1 59	16 16	0 28	23 24	0 21	12 52	0 24	19 3	0 45	24 7	0 40	21 26	21 30	21 40			n.a.
S 14	4 56	25 50	3 30	12 30	0 9	14 7	1 23	23 50	1 59	16 19	0 28	23 24	0 21	12 51	0 24	19 2	0 45	24 8	0 40	21 25	21 29	21 39			n.a.
S 15	4 33	24 16	4 10	12 42	0s 5	13 42	1 24	23 54	1 58	16 23	0 28	23 24	0 21	12 51	0 24	19 2	0 45	24 8	0 40	21 24	21 29	21 37			n.a.
M16	4 10	21 38	4 39	12 53	0 19	13 17	1 25	23 59	1 58	16 26	0 27	23 24	0 21	12 50	0 24	19 1	0 45	24 8	0 40	21 22	21 28	21 35			n.a.
T 17	3 47	18 6	4 56	13 1	0 33	12 52	1 26	24 3	1 57	16 29	0 27	23 24	0 21	12 50	0 24	19 1	0 45	24 8	0 41	21 20	21 28	21 34			n.a.
W18	3 23	13 49	5 0	13 7	0 46	12 26	1 26	24 7	1 57	16 32	0 27	23 24	0 21	12 49	0 24	19 0	0 45	24 8	0 41	21 18	21 27	21 32			n.a.
T 19	3 0	8 57	4 51	13 11	0 58	12 0	1 27	24 11	1 56	16 35	0 27	23 24	0 21	12 49	0 24	19 0	0 45	24 8	0 41	21 15	21 27	21 30			n.a.
F 20	2 37	3 41	4 28	13 13	1 10	11 34	1 28	24 15	1 56	16 38	0 27	23 24	0 21	12 48	0 24	18 59	0 45	24 8	0 41	21 13	21 26	21 28			n.a.
S 21	2 13	1s47	3 53	13 12	1 21	11 7	1 28	24 19	1 56	16 42	0 27	23 24	0 21	12 48	0 24	18 59	0 45	24 8	0 41	21 11	21 25	21 27			n.a.
S 22	1 50	7 16	3 6	13 9	1 31	10 40	1 29	24 23	1 55	16 45	0 26	23 24	0 21	12 47	0 24	18 58	0 45	24 9	0 41	21 10	21 25	21 25			n.a.
M23	1 26	12 33	2 8	13 4	1 41	10 13	1 29	24 27	1 55	16 48	0 26	23 24	0 21	12 46	0 24	18 58	0 45	24 9	0 41	21 9	21 24	21 23			n.a.
T 24	1 3	17 22	1 3	12 57	1 50	9 45	1 29	24 31	1 54	16 51	0 26	23 24	0 21	12 46	0 24	18 58	0 45	24 9	0 41	21 8	21 24	21 22			n.a.
W25	0 40	21 27	0s 6	12 48	1 58	9 17	1 30	24 34	1 54	16 55	0 26	23 24	0 21	12 45	0 24	18 57	0 45	24 9	0 41	21 8	21 23	21 20			n.a.
T 26	0 16	24 29	1 17	12 37	2 6	8 49	1 30	24 37	1 53	16 58	0 26	23 24	0 21	12 45	0 24	18 57	0 45	24 9	0 42	21 8	21 22	21 18			n.a.
F 27	0n 7	26 9	2 25	12 25	2 12	8 21	1 30	24 41	1 53	17 1	0 26	23 24	0 21	12 44	0 24	18 56	0 45	24 9	0 42	21 8	21 22	21 16			n.a.
S 28	0 31	26 12	3 25	12 10	2 19	7 52	1 30	24 44	1 52	17 5	0 25	23 25	0 21	12 43	0 24	18 56	0 45	24 9	0 42	21 8	21 21	21 15			n.a.
S 29	0 54	24 32	4 15	11 53	2 24	7 24	1 30	24 47	1 52	17 8	0 25	23 25	0 21	12 43	0 24	18 56	0 45	24 9	0 42	21 7	21 21	21 13			n.a.
M30	1 17	21 13	4 48	11 34	2 29	6 55	1 30	24 50	1 51	17 11	0 25	23 25	0 20	12 42	0 24	18 55	0 45	24 10	0 42	21 6	21 20	21 11			n.a.
T 31	1n41	16s31	5s 4	11s14	2s34	6s26	1s30	24n53	1n51	17n15	0s25	23s25	0n20	12s41	0n24	18s55	0s45	24s10	0s42	21n 5	21n20	21n 9			n.a.

Julian Day Number = 1555293.5, Delta T = 04h27m59s
Ecliptic obliquity = 23°45'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'15, Lahiri = -10°14'14 Julian Calendar 1 March 455 BCE == Greg. Calendar 24 Feb. 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

APRIL 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 13 48	5♈ 8'22	14♓24	8♓39	18♓36	16♊56	18♉59	0♑21	4°R 6	9♒14	21°R17	3°R 8	4♊30	15♌10	n.a.	W 1
T 2	12 17 45	6° 6'22	29°13	9°49	19°50	17°28	19°11	0°22	4♏ 4	9°15	21♐17	2♊59	4°26	15°17	n.a.	T 2
F 3	12 21 41	7° 4'21	13♈49	11° 2	21° 3	17°59	19°23	0°24	4° 2	9°17	21°17	2°51	4°23	15°24	n.a.	F 3
S 4	12 25 38	8° 2'18	28° 7	12°17	22°17	18°32	19°35	0°25	3°59	9°18	21°17	2°44	4°20	15°30	n.a.	S 4
S 5	12 29 34	9° 0'13	12♉ 0	13°34	23°30	19° 4	19°46	0°26	3°57	9°20	21°17	2°40	4°17	15°37	n.a.	S 5
M 6	12 33 31	9°58'06	25°26	14°54	24°44	19°36	19°58	0°27	3°55	9°21	21°16	2°38	4°14	15°44	n.a.	M 6
T 7	12 37 27	10°55'58	8♊27	16°16	25°57	20° 8	20°10	0°28	3°53	9°22	21°16	2°D38	4°10	15°50	n.a.	T 7
W 8	12 41 24	11°53'48	21° 6	17°40	27°11	20°41	20°22	0°29	3°51	9°24	21°16	2°39	4° 7	15°57	n.a.	W 8
T 9	12 45 21	12°51'36	3♋25	19° 7	28°24	21°13	20°34	0°29	3°48	9°25	21°16	2°40	4° 4	16° 4	n.a.	T 9
F 10	12 49 17	13°49'22	15°30	20°36	29°38	21°46	20°47	0°30	3°46	9°26	21°15	2°R41	4° 1	16°11	n.a.	F 10
S 11	12 53 14	14°47'07	27°26	22° 6	0♈51	22°18	20°59	0°30	3°44	9°27	21°15	2°40	3°58	16°17	n.a.	S 11
S 12	12 57 10	15°44'49	9♌18	23°39	2° 4	22°51	21°11	0°31	3°42	9°28	21°15	2°37	3°55	16°24	n.a.	S 12
M13	13 1 7	16°42'30	21°11	25°15	3°18	23°24	21°23	0°31	3°39	9°30	21°14	2°32	3°51	16°31	n.a.	M13
T 14	13 5 3	17°40'09	3♍ 7	26°52	4°31	23°57	21°36	0°31	3°37	9°31	21°14	2°26	3°48	16°37	n.a.	T 14
W15	13 9 0	18°37'47	15°11	28°31	5°45	24°30	21°48	0°32	3°34	9°32	21°13	2°18	3°45	16°44	n.a.	W15
T 16	13 12 56	19°35'23	27°25	0♈13	6°58	25° 3	22° 1	0°R32	3°32	9°33	21°13	2°10	3°42	16°51	n.a.	T 16
F 17	13 16 53	20°32'57	9♎50	1°56	8°12	25°36	22°13	0°32	3°30	9°34	21°12	2° 3	3°39	16°58	n.a.	F 17
S 18	13 20 49	21°30'30	22°28	3°42	9°25	26° 9	22°26	0°31	3°27	9°35	21°12	1°57	3°35	17° 4	n.a.	S 18
S 19	13 24 46	22°28'02	5♏18	5°30	10°39	26°43	22°38	0°31	3°25	9°36	21°11	1°52	3°32	17°11	n.a.	S 19
M20	13 28 43	23°25'33	18°21	7°20	11°52	27°16	22°51	0°31	3°22	9°37	21°11	1°50	3°29	17°18	n.a.	M20
T 21	13 32 39	24°23'03	1♐35	9°12	13° 5	27°50	23° 4	0°30	3°20	9°38	21°10	1°D49	3°26	17°24	n.a.	T 21
W22	13 36 36	25°20'31	15° 2	11° 6	14°19	28°23	23°17	0°30	3°18	9°39	21° 9	1°50	3°23	17°31	n.a.	W22
T 23	13 40 32	26°17'59	28°40	13° 2	15°32	28°57	23°29	0°29	3°15	9°39	21° 9	1°51	3°20	17°38	n.a.	T 23
F 24	13 44 29	27°15'25	12♑31	15° 0	16°46	29°30	23°42	0°28	3°13	9°40	21° 8	1°52	3°16	17°45	n.a.	F 24
S 25	13 48 25	28°12'51	26°33	17° 0	17°59	0♋ 4	23°55	0°28	3°10	9°41	21° 7	1°R53	3°13	17°51	n.a.	S 25
S 26	13 52 22	29°10'16	10♒45	19° 2	19°13	0°38	24° 8	0°27	3° 8	9°42	21° 6	1°52	3°10	17°58	n.a.	S 26
M27	13 56 19	0♉ 7'41	25° 5	21° 6	20°26	1°12	24°21	0°26	3° 5	9°42	21° 6	1°51	3° 7	18° 5	n.a.	M27
T 28	14 0 15	1° 5'04	9♓31	23°12	21°40	1°46	24°34	0°25	3° 3	9°43	21° 5	1°47	3° 4	18°11	n.a.	T 28
W29	14 4 12	2° 2'27	23°58	25°19	22°53	2°20	24°47	0°23	3° 0	9°44	21° 4	1°44	3° 1	18°18	n.a.	W29
T 30	14 8 8	2♉59'48	8♈20	27♈27	24♈ 7	2♋54	25♉ 0	0♑22	2♏58	9♒44	21♐ 3	1♊39	2♊57	18♌25	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n 4	10s48	4s58	10s51	2s37	5s56	1s30	24n56	1n50	17n18	0s25	23s25	0n20	12s40	0n24	18s54	0s45	24s10	0s42	21n 3	21n19	21n 8		n.a.
T 2	2 27	4 29	4 33	10 27	2 40	5 27	1 30	24 59	1 50	17 21	0 25	23 25	0 20	12 40	0 24	18 54	0 45	24 10	0 42	21 2	21 18	21 6		n.a.
F 3	2 51	1n59	3 51	10 2	2 43	4 57	1 29	25 1	1 49	17 25	0 24	23 25	0 20	12 39	0 24	18 54	0 45	24 10	0 42	21 0	21 18	21 4		n.a.
S 4	3 14	8 14	2 54	9 34	2 45	4 28	1 29	25 3	1 49	17 28	0 24	23 25	0 20	12 38	0 24	18 53	0 46	24 10	0 43	20 59	21 17	21 2		n.a.
S 5	3 37	13 55	1 48	9 5	2 46	3 58	1 28	25 6	1 49	17 31	0 24	23 25	0 20	12 38	0 24	18 53	0 46	24 10	0 43	20 58	21 17	21 1		n.a.
M 6	4 0	18 45	0 39	8 34	2 46	3 28	1 28	25 8	1 48	17 35	0 24	23 25	0 20	12 37	0 24	18 53	0 46	24 10	0 43	20 58	21 16	20 59		n.a.
T 7	4 23	22 31	0n31	8 2	2 46	2 58	1 27	25 10	1 48	17 38	0 24	23 25	0 20	12 36	0 24	18 52	0 46	24 10	0 43	20 58	21 15	20 57		n.a.
W 8	4 46	25 4	1 38	7 28	2 45	2 28	1 27	25 12	1 47	17 41	0 24	23 25	0 20	12 35	0 24	18 52	0 46	24 10	0 43	20 58	21 15	20 55		n.a.
T 9	5 9	26 20	2 38	6 52	2 44	1 57	1 26	25 14	1 47	17 45	0 24	23 25	0 20	12 35	0 24	18 52	0 46	24 11	0 43	20 58	21 14	20 53		n.a.
F 10	5 31	26 19	3 30	6 15	2 42	1 27	1 25	25 16	1 46	17 48	0 23	23 25	0 20	12 34	0 24	18 52	0 46	24 11	0 43	20 58	21 14	20 51		n.a.
S 11	5 54	25 3	4 12	5 37	2 40	0 57	1 25	25 17	1 46	17 52	0 23	23 25	0 20	12 33	0 24	18 51	0 46	24 11	0 43	20 58	21 13	20 50		n.a.
S 12	6 17	22 42	4 43	4 57	2 37	0 26	1 24	25 18	1 45	17 55	0 23	23 25	0 20	12 32	0 24	18 51	0 46	24 11	0 43	20 57	21 12	20 48		n.a.
M13	6 39	19 23	5 2	4 15	2 33	0n 4	1 23	25 20	1 45	17 58	0 23	23 25	0 20	12 31	0 24	18 51	0 46	24 11	0 44	20 56	21 12	20 46		n.a.
T 14	7 1	15 16	5 8	3 32	2 29	0 34	1 22	25 21	1 44	18 2	0 23	23 25	0 20	12 31	0 24	18 50	0 46	24 11	0 44	20 55	21 11	20 44		n.a.
W15	7 24	10 31	5 0	2 48	2 24	1 5	1 21	25 22	1 44	18 5	0 23	23 25	0 20	12 30	0 24	18 50	0 46	24 11	0 44	20 54	21 11	20 42		n.a.
T 16	7 46	5 18	4 39	2 2	2 19	1 35	1 20	25 23	1 43	18 9	0 23	23 25	0 20	12 29	0 24	18 50	0 46	24 11	0 44	20 52	21 10	20 40		n.a.
F 17	8 8	0s13	4 4	1 15	2 13	2 6	1 18	25 24	1 43	18 12	0 22	23 25	0 20	12 28	0 24	18 50	0 46	24 11	0 44	20 51	21 9	20 39		n.a.
S 18	8 30	5 49	3 17	0 27	2 7	2 36	1 17	25 24	1 43	18 15	0 22	23 26	0 20	12 27	0 24	18 49	0 46	24 11	0 44	20 49	21 9	20 37		n.a.
S 19	8 51	11 17	2 19	0n23	2 0	3 6	1 16	25 25	1 42	18 19	0 22	23 26	0 19	12 26	0 24	18 49	0 46	24 11	0 44	20 48	21 8	20 35		n.a.
M20	9 13	16 21	1 13	1 14	1 52	3 37	1 15	25 25	1 42	18 22	0 22	23 26	0 19	12 26	0 24	18 49	0 46	24 11	0 44	20 48	21 8	20 33		n.a.
T 21	9 34	20 44	0 1	2 6	1 44	4 7	1 13	25 25	1 41	18 26	0 22	23 26	0 19	12 25	0 24	18 49	0 46	24 12	0 44	20 48	21 7	20 31		n.a.
W22	9 56	24 5	1s11	2 59	1 36	4 37	1 12	25 25	1 41	18 29	0 22	23 26	0 19	12 24	0 24	18 49	0 46	24 12	0 45	20 48	21 6	20 29		n.a.
T 23	10 17	26 6	2 21	3 52	1 27	5 7	1 10	25 25	1 40	18 32	0 22	23 26	0 19	12 23	0 24	18 48	0 46	24 12	0 45	20 48	21 6	20 27		n.a.
F 24	10 38	26 32	3 24	4 47	1 18	5 37	1 9	25 25	1 40	18 36	0 22	23 26	0 19	12 22	0 24	18 48	0 46	24 12	0 45	20 48	21 5	20 25		n.a.
S 25	10 59	25 17	4 15	5 42	1 9	6 7	1 7	25 24	1 39	18 39	0 21	23 26	0 19	12 21	0 24	18 48	0 46	24 12	0 45	20 48	21 4	20 23		n.a.
S 26	11 19	22 25	4 51	6 39	0 59	6 36	1 6	25 24	1 39	18 42	0 21	23 26	0 19	12 21	0 24	18 48	0 46	24 12	0 45	20 48	21 4	20 22		n.a.
M27	11 40	18 11	5 10	7 35	0 49	7 6	1 4	25 23	1 38	18 46	0 21	23 26	0 19	12 20	0 24	18 48	0 46	24 12	0 45	20 48	21 3	20 20		n.a.
T 28	12 0	12 52	5 9	8 32	0 39	7 36	1 2	25 22	1 38	18 49	0 21	23 26	0 19	12 19	0 24	18 47	0 46	24 12	0 45	20 47	21 3	20 18		n.a.
W29	12 20	6 50	4 49	9 29	0 28	8 5	1 0	25 21	1 37	18 52	0 21	23 26	0 19	12 18	0 24	18 47	0 46	24 12	0 45	20 47	21 2	20 16		n.a.
T 30	12n40	0s29	4s11	10n26	0s18	8n34	0s59	25n20	1n37	18n56	0s21	23s26	0n19	12s17	0n24	18s47	0s46	24s12	0s45	20n46	21n 1	20n14		n.a.

Julian Day Number = 1555324.5, Delta T = 04h27m57s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'10, Lahiri = -10°14'10 Julian Calendar 1 Apr. 455 BCE == Greg. Calendar 27 March 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

MAY 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 12 5	3♉57'09	22♈32	29♈36	25♈20	3♋28	25♉13	0°R21	2°R55	9♒45	21°R 2	1°R36	2♊54	18♌32	n.a.	F 1
S 2	14 16 1	4°54'29	6♉29	1♉47	26°34	4° 3	25°27	0♊19	2♏53	9°46	21♐ 2	1♊33	2°51	18°38	n.a.	S 2
S 3	14 19 58	5°51'48	20° 8	3°58	27°47	4°37	25°40	0°18	2°50	9°46	21° 1	1°31	2°48	18°45	n.a.	S 3
M 4	14 23 54	6°49'07	3♊26	6°10	29° 1	5°11	25°53	0°16	2°48	9°47	21° 0	1°D31	2°45	18°52	n.a.	M 4
T 5	14 27 51	7°46'24	16°23	8°21	0♉14	5°46	26° 6	0°14	2°45	9°47	20°59	1°31	2°41	18°58	n.a.	T 5
W 6	14 31 48	8°43'41	29° 0	10°33	1°28	6°20	26°19	0°12	2°43	9°48	20°58	1°33	2°38	19° 5	n.a.	W 6
T 7	14 35 44	9°40'56	11♋21	12°45	2°41	6°55	26°33	0°10	2°40	9°48	20°57	1°34	2°35	19°12	n.a.	T 7
F 8	14 39 41	10°38'10	23°28	14°55	3°55	7°30	26°46	0° 8	2°38	9°48	20°56	1°35	2°32	19°19	n.a.	F 8
S 9	14 43 37	11°35'24	5♌26	17° 5	5° 9	8° 4	26°59	0° 6	2°35	9°49	20°55	1°36	2°29	19°25	n.a.	S 9
S 10	14 47 34	12°32'36	17°19	19°14	6°22	8°39	27°13	0° 4	2°33	9°49	20°54	1°R36	2°26	19°32	n.a.	S 10
M11	14 51 30	13°29'48	29°13	21°21	7°36	9°14	27°26	0° 2	2°31	9°49	20°53	1°36	2°22	19°39	n.a.	M11
T 12	14 55 27	14°26'58	11♍12	23°27	8°49	9°49	27°40	29♐59	2°28	9°49	20°52	1°34	2°19	19°46	n.a.	T 12
W13	14 59 23	15°24'08	23°19	25°31	10° 3	10°24	27°53	29°57	2°26	9°50	20°50	1°32	2°16	19°52	n.a.	W13
T 14	15 3 20	16°21'17	5♎39	27°34	11°16	10°59	28° 6	29°54	2°23	9°50	20°49	1°30	2°13	19°59	n.a.	T 14
F 15	15 7 17	17°18'25	18°13	29°34	12°30	11°34	28°20	29°52	2°21	9°50	20°48	1°28	2°10	20° 6	n.a.	F 15
S 16	15 11 13	18°15'33	1♏ 4	1♊33	13°43	12° 9	28°33	29°49	2°19	9°50	20°47	1°26	2° 6	20°12	n.a.	S 16
S 17	15 15 10	19°12'40	14°12	3°29	14°57	12°44	28°47	29°46	2°16	9°50	20°46	1°25	2° 3	20°19	n.a.	S 17
M18	15 19 6	20° 9'47	27°36	5°24	16°11	13°20	29° 0	29°43	2°14	9°50	20°45	1°D25	2° 0	20°26	n.a.	M18
T 19	15 23 3	21° 6'54	11♐15	7°16	17°24	13°55	29°14	29°41	2°12	9°R50	20°43	1°25	1°57	20°33	n.a.	T 19
W20	15 26 59	22° 4'00	25° 7	9° 5	18°38	14°30	29°27	29°38	2° 9	9°50	20°42	1°25	1°54	20°39	n.a.	W20
T 21	15 30 56	23° 1'06	9♑10	10°53	19°51	15° 6	29°41	29°35	2° 7	9°50	20°41	1°26	1°51	20°46	n.a.	T 21
F 22	15 34 52	23°58'12	23°19	12°38	21° 5	15°41	29°55	29°31	2° 5	9°50	20°40	1°27	1°47	20°53	n.a.	F 22
S 23	15 38 49	24°55'19	7♒33	14°22	22°19	16°17	0♊ 8	29°28	2° 3	9°50	20°38	1°27	1°44	20°59	n.a.	S 23
S 24	15 42 46	25°52'25	21°48	16° 2	23°32	16°52	0°22	29°25	2° 0	9°50	20°37	1°R27	1°41	21° 6	n.a.	S 24
M25	15 46 42	26°49'31	6♓ 3	17°41	24°46	17°28	0°35	29°22	1°58	9°50	20°36	1°27	1°38	21°13	n.a.	M25
T 26	15 50 39	27°46'37	20°13	19°17	26° 0	18° 4	0°49	29°18	1°56	9°49	20°35	1°27	1°35	21°20	n.a.	T 26
W27	15 54 35	28°43'44	4♈17	20°51	27°13	18°40	1° 2	29°15	1°54	9°49	20°33	1°27	1°32	21°26	n.a.	W27
T 28	15 58 32	29°40'50	18°12	22°23	28°27	19°15	1°16	29°11	1°52	9°49	20°32	1°27	1°28	21°33	n.a.	T 28
F 29	16 2 28	0♊37'57	1♉57	23°52	29°41	19°51	1°30	29° 8	1°50	9°49	20°31	1°26	1°25	21°40	n.a.	F 29
S 30	16 6 25	1°35'04	15°28	25°19	0♊54	20°27	1°43	29° 4	1°48	9°48	20°29	1°D26	1°22	21°47	n.a.	S 30
S 31	16 10 21	2♊32'11	28♉45	26♊43	2♊ 8	21♋ 3	1♊57	29♐ 0	1♏46	9♒48	20♐28	1°R26	1♊19	21♌53	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n 0	5n50	3s17	11n22	0s 7	9n 3	0s57	25n19	1n36	18n59	0s21	23s26	0n19	12s16	0n24	18s47	0s46	24s12	0s46	20n45	21n 1	20n12		n.a.
S 2	13 20	11 46	2 13	12 18	0n 4	9 32	0 55	25 17	1 36	19 2	0 21	23 26	0 19	12 15	0 24	18 47	0 47	24 12	0 46	20 44	21 0	20 10		n.a.
S 3	13 39	17 1	1 2	13 14	0 14	10 0	0 53	25 16	1 36	19 6	0 20	23 26	0 19	12 15	0 24	18 47	0 47	24 12	0 46	20 44	20 59	20 8		n.a.
M 4	13 58	21 17	0n11	14 8	0 25	10 28	0 51	25 14	1 35	19 9	0 20	23 26	0 19	12 14	0 24	18 47	0 47	24 12	0 46	20 44	20 59	20 6		n.a.
T 5	14 17	24 23	1 21	15 1	0 35	10 56	0 49	25 12	1 35	19 12	0 20	23 27	0 19	12 13	0 24	18 47	0 47	24 12	0 46	20 44	20 58	20 4		n.a.
W 6	14 36	26 10	2 25	15 53	0 45	11 24	0 47	25 10	1 34	19 16	0 20	23 27	0 18	12 12	0 24	18 47	0 47	24 12	0 46	20 44	20 58	20 2		n.a.
T 7	14 54	26 37	3 22	16 43	0 54	11 52	0 45	25 8	1 34	19 19	0 20	23 27	0 18	12 11	0 24	18 47	0 47	24 12	0 46	20 45	20 57	20 0		n.a.
F 8	15 12	25 45	4 8	17 32	1 3	12 19	0 43	25 5	1 33	19 22	0 20	23 27	0 18	12 10	0 24	18 46	0 47	24 12	0 46	20 45	20 56	19 58		n.a.
S 9	15 30	23 43	4 43	18 18	1 12	12 46	0 41	25 3	1 33	19 25	0 20	23 27	0 18	12 10	0 24	18 46	0 47	24 12	0 46	20 45	20 56	19 56		n.a.
S 10	15 48	20 41	5 5	19 2	1 20	13 13	0 39	25 0	1 32	19 28	0 20	23 27	0 18	12 9	0 24	18 46	0 47	24 13	0 47	20 45	20 55	19 54		n.a.
M11	16 6	16 48	5 15	19 44	1 27	13 39	0 36	24 57	1 32	19 32	0 19	23 27	0 18	12 8	0 24	18 46	0 47	24 13	0 47	20 45	20 54	19 52		n.a.
T 12	16 23	12 14	5 11	20 24	1 34	14 5	0 34	24 54	1 31	19 35	0 19	23 27	0 18	12 7	0 24	18 46	0 47	24 13	0 47	20 45	20 54	19 50		n.a.
W13	16 40	7 9	4 53	21 1	1 40	14 31	0 32	24 51	1 31	19 38	0 19	23 27	0 18	12 6	0 24	18 46	0 47	24 13	0 47	20 44	20 53	19 48		n.a.
T 14	16 57	1 43	4 21	21 35	1 46	14 56	0 30	24 48	1 30	19 41	0 19	23 27	0 18	12 5	0 24	18 46	0 47	24 13	0 47	20 44	20 52	19 46		n.a.
F 15	17 13	3s54	3 36	22 7	1 51	15 21	0 28	24 44	1 30	19 44	0 19	23 27	0 18	12 5	0 24	18 46	0 47	24 13	0 47	20 43	20 52	19 44		n.a.
S 16	17 29	9 30	2 40	22 37	1 55	15 46	0 25	24 40	1 29	19 47	0 19	23 27	0 18	12 4	0 24	18 46	0 47	24 13	0 47	20 43	20 51	19 42		n.a.
S 17	17 45	14 49	1 34	23 3	1 58	16 10	0 23	24 37	1 29	19 51	0 19	23 27	0 18	12 3	0 24	18 46	0 47	24 13	0 47	20 43	20 51	19 40		n.a.
M18	18 1	19 32	0 21	23 28	2 1	16 34	0 21	24 33	1 29	19 54	0 19	23 27	0 18	12 2	0 24	18 46	0 47	24 13	0 47	20 43	20 50	19 38		n.a.
T 19	18 16	23 19	0s54	23 49	2 3	16 57	0 18	24 28	1 28	19 57	0 19	23 27	0 18	12 1	0 24	18 46	0 47	24 13	0 48	20 43	20 49	19 36		n.a.
W20	18 31	25 47	2 7	24 9	2 4	17 20	0 16	24 24	1 28	20 0	0 18	23 27	0 18	12 1	0 24	18 46	0 47	24 13	0 48	20 43	20 49	19 34		n.a.
T 21	18 46	26 39	3 14	24 26	2 5	17 43	0 14	24 20	1 27	20 3	0 18	23 28	0 17	12 0	0 24	18 46	0 47	24 13	0 48	20 43	20 48	19 32		n.a.
F 22	19 1	25 48	4 9	24 40	2 5	18 5	0 11	24 15	1 27	20 6	0 18	23 28	0 17	11 59	0 24	18 46	0 47	24 13	0 48	20 43	20 47	19 30		n.a.
S 23	19 15	23 17	4 50	24 52	2 4	18 26	0 9	24 10	1 26	20 9	0 18	23 28	0 17	11 58	0 24	18 47	0 47	24 13	0 48	20 43	20 47	19 28		n.a.
S 24	19 29	19 20	5 12	25 2	2 2	18 48	0 7	24 5	1 26	20 12	0 18	23 28	0 17	11 58	0 23	18 47	0 47	24 13	0 48	20 43	20 46	19 26		n.a.
M25	19 42	14 17	5 16	25 10	2 0	19 8	0 4	24 0	1 25	20 15	0 18	23 28	0 17	11 57	0 23	18 47	0 47	24 13	0 48	20 43	20 45	19 24		n.a.
T 26	19 55	8 30	5 0	25 16	1 58	19 28	0 2	23 55	1 25	20 18	0 18	23 28	0 17	11 56	0 23	18 47	0 47	24 13	0 48	20 43	20 45	19 22		n.a.
W27	20 8	2 20	4 26	25 20	1 54	19 48	0n 0	23 49	1 24	20 21	0 18	23 28	0 17	11 55	0 23	18 47	0 47	24 13	0 48	20 43	20 44	19 19		n.a.
T 28	20 21	3n53	3 37	25 22	1 50	20 7	0 3	23 44	1 24	20 24	0 18	23 28	0 17	11 55	0 23	18 47	0 48	24 13	0 49	20 43	20 43	19 17		n.a.
F 29	20 33	9 52	2 36	25 22	1 45	20 26	0 5	23 38	1 23	20 27	0 18	23 28	0 17	11 54	0 23	18 47	0 48	24 13	0 49	20 43	20 43	19 15		n.a.
S 30	20 45	15 18	1 27	25 20	1 40	20 44	0 7	23 32	1 23	20 29	0 17	23 28	0 17	11 53	0 23	18 47	0 48	24 13	0 49	20 43	20 42	19 13		n.a.
S 31	20n56	19n54	0s15	25n17	1n34	21n 1	0n10	23n26	1n22	20n32	0s17	23s28	0n17	11s52	0n23	18s47	0s48	24s13	0s49	20n43	20n41	19n11		n.a.

Julian Day Number = 1555354.5, Delta T = 04h27m56s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'06, Lahiri = -10°14'06 Julian Calendar 1 May 455 BCE == Greg. Calendar 26 Apr. 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

JUNE 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 14 18	3♊29'18	11♊46	28♊ 5	3♊22	21♋39	2♊10	28°R57	1°R44	9°R47	20°R27	1°R26	1♊16	22♌ 0	n.a.	M 1
T 2	16 18 15	4°26'26	24°32	29°25	4°36	22°16	2°24	28♐53	1♏42	9♒47	20♐25	1♊26	1°12	22° 7	n.a.	T 2
W 3	16 22 11	5°23'33	7♋ 2	0♋42	5°49	22°52	2°37	28°49	1°40	9°47	20°24	1°26	1° 9	22°13	n.a.	W 3
T 4	16 26 8	6°20'41	19°19	1°57	7° 3	23°28	2°51	28°45	1°38	9°46	20°22	1°25	1° 6	22°20	n.a.	T 4
F 5	16 30 4	7°17'48	1♌25	3° 9	8°17	24° 4	3° 5	28°41	1°36	9°46	20°21	1°25	1° 3	22°27	n.a.	F 5
S 6	16 34 1	8°14'55	13°22	4°18	9°31	24°41	3°18	28°37	1°34	9°45	20°20	1°24	1° 0	22°34	n.a.	S 6
S 7	16 37 57	9°12'03	25°16	5°25	10°44	25°17	3°32	28°33	1°32	9°44	20°18	1°23	0°57	22°40	n.a.	S 7
M 8	16 41 54	10° 9'10	7♍10	6°28	11°58	25°53	3°45	28°29	1°31	9°44	20°17	1°D23	0°53	22°47	n.a.	M 8
T 9	16 45 51	11° 6'17	19° 8	7°29	13°12	26°30	3°59	28°25	1°29	9°43	20°15	1°23	0°50	22°54	n.a.	T 9
W10	16 49 47	12° 3'25	1♎15	8°27	14°26	27° 7	4°12	28°21	1°27	9°42	20°14	1°24	0°47	23° 0	n.a.	W10
T 11	16 53 44	13° 0'32	13°36	9°21	15°40	27°43	4°26	28°16	1°25	9°42	20°12	1°25	0°44	23° 7	n.a.	T 11
F 12	16 57 40	13°57'40	26°14	10°13	16°53	28°20	4°39	28°12	1°24	9°41	20°11	1°26	0°41	23°14	n.a.	F 12
S 13	17 1 37	14°54'48	9♏12	11° 1	18° 7	28°56	4°53	28° 8	1°22	9°40	20°10	1°27	0°38	23°21	n.a.	S 13
S 14	17 5 33	15°51'56	22°32	11°45	19°21	29°33	5° 6	28° 4	1°21	9°39	20° 8	1°27	0°34	23°27	n.a.	S 14
M15	17 9 30	16°49'05	6♐14	12°26	20°35	0♑10	5°20	27°59	1°19	9°39	20° 7	1°R27	0°31	23°34	n.a.	M15
T 16	17 13 26	17°46'15	20°17	13° 3	21°49	0°47	5°33	27°55	1°18	9°38	20° 5	1°27	0°28	23°41	n.a.	T 16
W17	17 17 23	18°43'25	4♑35	13°36	23° 3	1°24	5°46	27°51	1°16	9°37	20° 4	1°25	0°25	23°48	n.a.	W17
T 18	17 21 20	19°40'36	19° 6	14° 4	24°16	2° 1	6° 0	27°46	1°15	9°36	20° 2	1°23	0°22	23°54	n.a.	T 18
F 19	17 25 16	20°37'47	3♒41	14°29	25°30	2°38	6°13	27°42	1°14	9°35	20° 1	1°21	0°18	24° 1	n.a.	F 19
S 20	17 29 13	21°35'00	18°16	14°49	26°44	3°15	6°26	27°37	1°12	9°34	19°59	1°19	0°15	24° 8	n.a.	S 20
S 21	17 33 9	22°32'13	2♓44	15° 5	27°58	3°52	6°40	27°33	1°11	9°33	19°58	1°17	0°12	24°14	n.a.	S 21
M22	17 37 6	23°29'27	17° 2	15°15	29°12	4°29	6°53	27°29	1°10	9°32	19°57	1°D16	0° 9	24°21	n.a.	M22
T 23	17 41 2	24°26'43	1♈ 7	15°21	0♋26	5° 6	7° 6	27°24	1° 9	9°31	19°55	1°16	0° 6	24°28	n.a.	T 23
W24	17 44 59	25°23'59	14°57	15°R22	1°40	5°44	7°19	27°20	1° 8	9°30	19°54	1°17	0° 3	24°35	n.a.	W24
T 25	17 48 55	26°21'17	28°33	15°18	2°54	6°21	7°33	27°15	1° 7	9°29	19°52	1°18	29♉59	24°41	n.a.	T 25
F 26	17 52 52	27°18'36	11♉54	15° 9	4° 8	6°58	7°46	27°11	1° 6	9°28	19°51	1°20	29°56	24°48	n.a.	F 26
S 27	17 56 49	28°15'56	25° 1	14°55	5°22	7°36	7°59	27° 6	1° 5	9°27	19°49	1°R20	29°53	24°55	n.a.	S 27
S 28	18 0 45	29°13'17	7♊55	14°36	6°36	8°13	8°12	27° 2	1° 4	9°26	19°48	1°20	29°50	25° 2	n.a.	S 28
M29	18 4 42	0♋10'39	20°37	14°11	7°50	8°51	8°25	26°57	1° 3	9°24	19°46	1°19	29°47	25° 8	n.a.	M29
T 30	18 8 38	1♋ 8'03	3♋ 7	13♋43	9♋ 4	9♌29	8♊38	26♐53	1♏ 2	9♒23	19♐45	1♊16	29♉44	25♌15	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n 8	23n26	0n57	25n12	1n28	21n18	0n12	23n20	1n22	20n35	0s17	23s28	0n17	11s52	0n23	18s48	0s48	24s13	0s49	20n43	20n41	19n 9		n.a.
T 2	21 18	25 43	2 4	25 6	1 21	21 34	0 15	23 13	1 21	20 38	0 17	23 28	0 17	11 51	0 23	18 48	0 48	24 13	0 49	20 43	20 40	19 7		n.a.
W 3	21 29	26 38	3 5	24 59	1 14	21 50	0 17	23 7	1 21	20 41	0 17	23 28	0 17	11 50	0 23	18 48	0 48	24 13	0 49	20 43	20 40	19 5		n.a.
T 4	21 39	26 13	3 55	24 50	1 6	22 5	0 19	23 0	1 20	20 44	0 17	23 28	0 16	11 50	0 23	18 48	0 48	24 13	0 49	20 43	20 39	19 3		n.a.
F 5	21 49	24 33	4 34	24 40	0 57	22 20	0 21	22 53	1 20	20 46	0 17	23 28	0 16	11 49	0 23	18 48	0 48	24 13	0 49	20 43	20 38	19 0		n.a.
S 6	21 58	21 49	5 1	24 29	0 48	22 33	0 24	22 46	1 19	20 49	0 17	23 28	0 16	11 49	0 23	18 48	0 48	24 13	0 49	20 43	20 38	18 58		n.a.
S 7	22 7	18 11	5 15	24 17	0 38	22 47	0 26	22 39	1 19	20 52	0 17	23 28	0 16	11 48	0 23	18 49	0 48	24 13	0 50	20 42	20 37	18 56		n.a.
M 8	22 16	13 51	5 15	24 4	0 28	22 59	0 28	22 32	1 19	20 54	0 17	23 28	0 16	11 47	0 23	18 49	0 48	24 13	0 50	20 42	20 36	18 54		n.a.
T 9	22 24	8 58	5 1	23 50	0 18	23 11	0 31	22 24	1 18	20 57	0 16	23 28	0 16	11 47	0 23	18 49	0 48	24 13	0 50	20 42	20 36	18 52		n.a.
W10	22 32	3 41	4 35	23 36	0 7	23 22	0 33	22 17	1 18	21 0	0 16	23 28	0 16	11 46	0 23	18 49	0 48	24 13	0 50	20 42	20 35	18 50		n.a.
T 11	22 39	1s50	3 55	23 20	0s 5	23 33	0 35	22 9	1 17	21 2	0 16	23 29	0 16	11 46	0 23	18 49	0 48	24 13	0 50	20 43	20 34	18 48		n.a.
F 12	22 46	7 25	3 3	23 5	0 16	23 43	0 37	22 1	1 17	21 5	0 16	23 29	0 16	11 45	0 23	18 50	0 48	24 13	0 50	20 43	20 34	18 45		n.a.
S 13	22 53	12 51	2 0	22 49	0 29	23 52	0 39	21 53	1 16	21 7	0 16	23 29	0 16	11 45	0 23	18 50	0 48	24 13	0 50	20 43	20 33	18 43		n.a.
S 14	22 59	17 51	0 49	22 33	0 41	24 0	0 41	21 44	1 16	21 10	0 16	23 29	0 16	11 44	0 23	18 50	0 48	24 13	0 50	20 43	20 32	18 41		n.a.
M15	23 5	22 4	0s26	22 16	0 54	24 8	0 43	21 36	1 15	21 13	0 16	23 29	0 16	11 44	0 23	18 50	0 48	24 13	0 50	20 43	20 32	18 39		n.a.
T 16	23 11	25 5	1 42	21 59	1 7	24 15	0 45	21 27	1 15	21 15	0 16	23 29	0 15	11 43	0 23	18 51	0 48	24 13	0 50	20 43	20 31	18 37		n.a.
W17	23 16	26 33	2 53	21 43	1 21	24 21	0 47	21 19	1 14	21 18	0 16	23 29	0 15	11 43	0 23	18 51	0 48	24 13	0 50	20 43	20 30	18 34		n.a.
T 18	23 21	26 13	3 53	21 26	1 34	24 27	0 49	21 10	1 14	21 20	0 16	23 29	0 15	11 42	0 23	18 51	0 48	24 13	0 51	20 42	20 29	18 32		n.a.
F 19	23 25	24 5	4 39	21 10	1 48	24 32	0 51	21 1	1 13	21 22	0 15	23 29	0 15	11 42	0 23	18 51	0 48	24 13	0 51	20 42	20 29	18 30		n.a.
S 20	23 29	20 24	5 6	20 54	2 2	24 36	0 53	20 52	1 13	21 25	0 15	23 29	0 15	11 41	0 23	18 52	0 48	24 13	0 51	20 41	20 28	18 28		n.a.
S 21	23 32	15 30	5 14	20 38	2 16	24 39	0 55	20 42	1 12	21 27	0 15	23 29	0 15	11 41	0 23	18 52	0 48	24 13	0 51	20 41	20 27	18 26		n.a.
M22	23 35	9 49	5 3	20 23	2 30	24 42	0 57	20 33	1 12	21 30	0 15	23 29	0 15	11 40	0 23	18 52	0 48	24 13	0 51	20 41	20 27	18 23		n.a.
T 23	23 38	3 43	4 33	20 8	2 44	24 44	0 59	20 23	1 11	21 32	0 15	23 29	0 15	11 40	0 23	18 53	0 48	24 13	0 51	20 41	20 26	18 21		n.a.
W24	23 40	2n28	3 48	19 55	2 58	24 45	1 0	20 13	1 11	21 34	0 15	23 29	0 15	11 40	0 23	18 53	0 48	24 13	0 51	20 41	20 25	18 19		n.a.
T 25	23 42	8 27	2 50	19 42	3 11	24 45	1 2	20 4	1 10	21 36	0 15	23 29	0 15	11 39	0 23	18 53	0 48	24 13	0 51	20 41	20 25	18 17		n.a.
F 26	23 43	13 57	1 45	19 30	3 24	24 45	1 4	19 54	1 10	21 39	0 15	23 29	0 15	11 39	0 23	18 54	0 49	24 13	0 51	20 42	20 24	18 14		n.a.
S 27	23 44	18 42	0 35	19 19	3 37	24 44	1 5	19 43	1 9	21 41	0 15	23 29	0 14	11 39	0 23	18 54	0 49	24 13	0 51	20 42	20 23	18 12		n.a.
S 28	23 45	22 30	0n36	19 9	3 48	24 42	1 7	19 33	1 9	21 43	0 15	23 29	0 14	11 38	0 23	18 54	0 49	24 13	0 52	20 42	20 23	18 10		n.a.
M29	23 45	25 8	1 44	19 1	4 0	24 39	1 9	19 23	1 8	21 45	0 15	23 29	0 14	11 38	0 23	18 55	0 49	24 13	0 52	20 42	20 22	18 8		n.a.
T 30	23n45	26n28	2n45	18n54	4s10	24n36	1n10	19n12	1n 8	21n48	0s14	23s29	0n14	11s38	0n23	18s55	0s49	24s13	0s52	20n41	20n21	18n 5		n.a.

Julian Day Number = 1555385.5, Delta T = 04h27m55s
Ecliptic obliquity = 23°45'05, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°21'02, Lahiri = -10°14'02 Julian Calendar 1 June 455 BCE == Greg. Calendar 27 May 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

JULY 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 12 35	2♋ 5'27	15♋26	13°R10	10♋18	10♌ 6	8♊51	26°R49	1°R 1	9°R22	19°R44	1°R12	29♉40	25♌22	n.a.	W 1
T 2	18 16 31	3° 2'52	27°36	12♋33	11°32	10°44	9° 4	26♐44	1♏ 0	9♒21	19♐42	1♊ 7	29°37	25°28	n.a.	T 2
F 3	18 20 28	4° 0'18	9♌37	11°52	12°46	11°22	9°17	26°40	1° 0	9°20	19°41	1° 1	29°34	25°35	n.a.	F 3
S 4	18 24 25	4°57'46	21°33	11° 9	14° 0	12° 0	9°30	26°35	0°59	9°18	19°39	0°55	29°31	25°42	n.a.	S 4
S 5	18 28 21	5°55'14	3♍25	10°24	15°14	12°37	9°43	26°31	0°58	9°17	19°38	0°51	29°28	25°49	n.a.	S 5
M 6	18 32 18	6°52'43	15°17	9°37	16°28	13°15	9°55	26°27	0°58	9°16	19°37	0°47	29°24	25°55	n.a.	M 6
T 7	18 36 14	7°50'13	27°13	8°49	17°42	13°53	10° 8	26°22	0°57	9°14	19°35	0°45	29°21	26° 2	n.a.	T 7
W 8	18 40 11	8°47'44	9♎18	8° 2	18°56	14°31	10°21	26°18	0°57	9°13	19°34	0°D44	29°18	26° 9	n.a.	W 8
T 9	18 44 7	9°45'16	21°36	7°15	20°10	15° 9	10°33	26°14	0°57	9°12	19°33	0°45	29°15	26°16	n.a.	T 9
F 10	18 48 4	10°42'49	4♏12	6°31	21°25	15°48	10°46	26° 9	0°56	9°10	19°31	0°46	29°12	26°22	n.a.	F 10
S 11	18 52 0	11°40'23	17°10	5°50	22°39	16°26	10°59	26° 5	0°56	9° 9	19°30	0°47	29° 9	26°29	n.a.	S 11
S 12	18 55 57	12°37'58	0♐34	5°13	23°53	17° 4	11°11	26° 1	0°56	9° 7	19°29	0°R48	29° 5	26°36	n.a.	S 12
M13	18 59 54	13°35'35	14°24	4°40	25° 7	17°42	11°23	25°57	0°56	9° 6	19°27	0°47	29° 2	26°42	n.a.	M13
T 14	19 3 50	14°33'12	28°41	4°12	26°21	18°21	11°36	25°53	0°55	9° 5	19°26	0°45	28°59	26°49	n.a.	T 14
W15	19 7 47	15°30'52	13♑19	3°51	27°35	18°59	11°48	25°49	0°55	9° 3	19°25	0°40	28°56	26°56	n.a.	W15
T 16	19 11 43	16°28'32	28°13	3°36	28°49	19°37	12° 0	25°45	0°D55	9° 2	19°24	0°34	28°53	27° 3	n.a.	T 16
F 17	19 15 40	17°26'14	13♒14	3°27	0♌ 3	20°16	12°13	25°41	0°55	9° 0	19°22	0°27	28°50	27° 9	n.a.	F 17
S 18	19 19 36	18°23'58	28°13	3°D26	1°17	20°54	12°25	25°37	0°55	8°59	19°21	0°20	28°46	27°16	n.a.	S 18
S 19	19 23 33	19°21'43	13♓ 1	3°32	2°32	21°33	12°37	25°33	0°55	8°57	19°20	0°15	28°43	27°23	n.a.	S 19
M20	19 27 29	20°19'30	27°32	3°46	3°46	22°12	12°49	25°29	0°56	8°56	19°19	0°10	28°40	27°29	n.a.	M20
T 21	19 31 26	21°17'19	11♈41	4° 8	5° 0	22°50	13° 1	25°25	0°56	8°54	19°17	0° 8	28°37	27°36	n.a.	T 21
W22	19 35 23	22°15'10	25°28	4°37	6°14	23°29	13°13	25°21	0°56	8°52	19°16	0°D 8	28°34	27°43	n.a.	W22
T 23	19 39 19	23°13'03	8♉54	5°14	7°28	24° 8	13°25	25°18	0°56	8°51	19°15	0° 9	28°30	27°50	n.a.	T 23
F 24	19 43 16	24°10'58	22° 0	5°59	8°42	24°47	13°36	25°14	0°57	8°49	19°14	0°10	28°27	27°56	n.a.	F 24
S 25	19 47 12	25° 8'55	4♊50	6°51	9°56	25°26	13°48	25°11	0°57	8°48	19°13	0°R10	28°24	28° 3	n.a.	S 25
S 26	19 51 9	26° 6'53	17°26	7°49	11°11	26° 5	14° 0	25° 7	0°58	8°46	19°12	0° 8	28°21	28°10	n.a.	S 26
M27	19 55 5	27° 4'54	29°51	8°55	12°25	26°44	14°11	25° 4	0°58	8°44	19°11	0° 4	28°18	28°17	n.a.	M27
T 28	19 59 2	28° 2'56	12♋ 7	10° 7	13°39	27°23	14°23	25° 0	0°59	8°43	19°10	29♉58	28°15	28°23	n.a.	T 28
W29	20 2 58	29° 1'01	24°14	11°25	14°53	28° 2	14°34	24°57	0°59	8°41	19° 9	29°49	28°11	28°30	n.a.	W29
T 30	20 6 55	29°59'07	6♌16	12°48	16° 7	28°41	14°46	24°54	1° 0	8°40	19° 8	29°38	28° 8	28°37	n.a.	T 30
F 31	20 10 52	0♌57'15	18♌12	14♋17	17♌22	29♌20	14♊57	24♐51	1♏ 1	8♒38	19♐ 7	29♉27	28♉ 5	28♌43	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23n44	26n27	3n38	18n48	4s19	24n32	1n11	19n 1	1n 7	21n50	0s14	23s29	0n14	11s38	0n23	18s55	0s49	24s12	0s52	20n40	20n21	18n 3			n.a.
T 2	23 43	25 9	4 20	18 44	4 26	24 27	1 13	18 50	1 7	21 52	0 14	23 29	0 14	11 37	0 23	18 56	0 49	24 12	0 52	20 39	20 20	18 1			n.a.
F 3	23 41	22 43	4 50	18 41	4 33	24 22	1 14	18 39	1 6	21 54	0 14	23 29	0 14	11 37	0 23	18 56	0 49	24 12	0 52	20 38	20 19	17 59			n.a.
S 4	23 39	19 20	5 7	18 40	4 37	24 15	1 15	18 28	1 6	21 56	0 14	23 29	0 14	11 37	0 23	18 56	0 49	24 12	0 52	20 37	20 19	17 56			n.a.
S 5	23 37	15 12	5 10	18 41	4 40	24 8	1 17	18 17	1 5	21 58	0 14	23 29	0 14	11 37	0 23	18 57	0 49	24 12	0 52	20 36	20 18	17 54			n.a.
M 6	23 34	10 29	5 1	18 43	4 42	24 0	1 18	18 5	1 5	22 0	0 14	23 29	0 14	11 37	0 22	18 57	0 49	24 12	0 52	20 35	20 17	17 52			n.a.
T 7	23 31	5 22	4 38	18 46	4 42	23 52	1 19	17 54	1 4	22 2	0 14	23 29	0 14	11 36	0 22	18 58	0 49	24 12	0 52	20 34	20 16	17 49			n.a.
W 8	23 27	0s 1	4 3	18 51	4 39	23 43	1 20	17 42	1 4	22 4	0 14	23 28	0 13	11 36	0 22	18 58	0 49	24 12	0 52	20 34	20 16	17 47			n.a.
T 9	23 23	5 30	3 17	18 58	4 35	23 33	1 21	17 30	1 3	22 6	0 14	23 28	0 13	11 36	0 22	18 58	0 49	24 12	0 52	20 34	20 15	17 45			n.a.
F 10	23 19	10 54	2 19	19 6	4 29	23 22	1 22	17 18	1 3	22 8	0 14	23 28	0 13	11 36	0 22	18 59	0 49	24 12	0 53	20 35	20 14	17 42			n.a.
S 11	23 14	16 1	1 13	19 16	4 22	23 11	1 23	17 6	1 2	22 10	0 13	23 28	0 13	11 36	0 22	18 59	0 49	24 12	0 53	20 35	20 14	17 40			n.a.
S 12	23 9	20 31	0 1	19 26	4 13	22 59	1 23	16 54	1 1	22 11	0 13	23 28	0 13	11 36	0 22	19 0	0 49	24 12	0 53	20 35	20 13	17 38			n.a.
M13	23 3	24 2	1s13	19 38	4 2	22 46	1 24	16 42	1 1	22 13	0 13	23 28	0 13	11 36	0 22	19 0	0 49	24 12	0 53	20 35	20 12	17 35			n.a.
T 14	22 57	26 10	2 25	19 51	3 50	22 33	1 25	16 29	1 0	22 15	0 13	23 28	0 13	11 36	0 22	19 0	0 49	24 12	0 53	20 34	20 12	17 33			n.a.
W15	22 50	26 32	3 29	20 5	3 37	22 19	1 25	16 16	1 0	22 17	0 13	23 28	0 13	11 36	0 22	19 1	0 49	24 12	0 53	20 33	20 11	17 31			n.a.
T 16	22 43	25 2	4 20	20 20	3 22	22 4	1 26	16 4	0 59	22 19	0 13	23 28	0 13	11 36	0 22	19 1	0 49	24 12	0 53	20 32	20 10	17 28			n.a.
F 17	22 36	21 44	4 54	20 35	3 7	21 48	1 26	15 51	0 59	22 20	0 13	23 28	0 13	11 36	0 22	19 2	0 49	24 12	0 53	20 31	20 9	17 26			n.a.
S 18	22 28	17 2	5 7	20 51	2 51	21 32	1 27	15 38	0 58	22 22	0 13	23 28	0 12	11 36	0 22	19 2	0 49	24 12	0 53	20 29	20 9	17 24			n.a.
S 19	22 20	11 21	5 0	21 7	2 35	21 16	1 27	15 25	0 58	22 24	0 13	23 28	0 12	11 36	0 22	19 3	0 49	24 12	0 53	20 28	20 8	17 21			n.a.
M20	22 11	5 10	4 33	21 23	2 18	20 59	1 27	15 12	0 57	22 25	0 13	23 28	0 12	11 36	0 22	19 3	0 49	24 12	0 53	20 27	20 7	17 19			n.a.
T 21	22 3	1n 9	3 50	21 40	2 1	20 41	1 28	14 58	0 57	22 27	0 13	23 28	0 12	11 36	0 22	19 3	0 49	24 12	0 53	20 27	20 7	17 17			n.a.
W22	21 53	7 16	2 55	21 56	1 45	20 22	1 28	14 45	0 56	22 28	0 13	23 28	0 12	11 36	0 22	19 4	0 49	24 12	0 54	20 27	20 6	17 14			n.a.
T 23	21 43	12 53	1 52	22 11	1 28	20 3	1 28	14 31	0 56	22 30	0 12	23 28	0 12	11 37	0 22	19 4	0 49	24 12	0 54	20 27	20 5	17 12			n.a.
F 24	21 33	17 48	0 44	22 26	1 11	19 44	1 28	14 18	0 55	22 32	0 12	23 28	0 12	11 37	0 22	19 5	0 49	24 12	0 54	20 27	20 5	17 10			n.a.
S 25	21 23	21 47	0n25	22 40	0 55	19 24	1 28	14 4	0 55	22 33	0 12	23 28	0 12	11 37	0 22	19 5	0 49	24 12	0 54	20 27	20 4	17 7			n.a.
S 26	21 12	24 40	1 31	22 52	0 39	19 3	1 28	13 50	0 54	22 35	0 12	23 28	0 12	11 37	0 22	19 6	0 49	24 12	0 54	20 27	20 3	17 5			n.a.
M27	21 1	26 17	2 32	23 3	0 23	18 42	1 27	13 36	0 54	22 36	0 12	23 28	0 12	11 37	0 22	19 6	0 49	24 12	0 54	20 26	20 2	17 2			n.a.
T 28	20 49	26 35	3 24	23 13	0 9	18 20	1 27	13 22	0 53	22 38	0 12	23 28	0 11	11 37	0 22	19 7	0 49	24 12	0 54	20 24	20 2	17 0			n.a.
W29	20 37	25 36	4 7	23 21	0n 5	17 58	1 27	13 8	0 52	22 39	0 12	23 28	0 11	11 38	0 22	19 7	0 49	24 12	0 54	20 23	20 1	16 58			n.a.
T 30	20 25	23 26	4 38	23 26	0 19	17 35	1 26	12 54	0 52	22 40	0 12	23 28	0 11	11 38	0 22	19 7	0 49	24 12	0 54	20 20	20 0	16 55			n.a.
F 31	20n12	20n16	4n57	23n29	0n31	17n12	1n26	12n39	0n51	22n42	0s12	23s28	0n11	11s38	0n22	19s 8	0s49	24s12	0s54	20n18	20n 0	16n53			n.a.

Julian Day Number = 1555415.5, Delta T = 04h27m54s
Ecliptic obliquity = 23°45'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'58, Lahiri = -10°13'58 Julian Calendar 1 July 455 BCE == Greg. Calendar 26 June 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

AUGUST 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 14 48	1♌55'24	0♍ 5	15♋50	18♌36	29♌59	15♊ 8	24°R47	1♏ 2	8°R36	19°R 6	29°R15	28♉ 2	28♌50	n.a.	S 1
S 2	20 18 45	2°53'35	11°56	17°28	19°50	0♍39	15°19	24♐44	1° 3	8♒35	19♐ 5	29♉ 4	27°59	28°57	n.a.	S 2
M 3	20 22 41	3°51'48	23°48	19° 9	21° 4	1°18	15°30	24°41	1° 3	8°33	19° 4	28°56	27°56	29° 4	n.a.	M 3
T 4	20 26 38	4°50'03	5♎43	20°53	22°18	1°58	15°41	24°39	1° 4	8°31	19° 3	28°49	27°52	29°10	n.a.	T 4
W 5	20 30 34	5°48'19	17°46	22°40	23°32	2°37	15°52	24°36	1° 5	8°30	19° 2	28°46	27°49	29°17	n.a.	W 5
T 6	20 34 31	6°46'37	0♏ 0	24°29	24°47	3°17	16° 3	24°33	1° 6	8°28	19° 1	28°44	27°46	29°24	n.a.	T 6
F 7	20 38 27	7°44'56	12°32	26°20	26° 1	3°56	16°13	24°30	1° 8	8°26	19° 0	28°D44	27°43	29°31	n.a.	F 7
S 8	20 42 24	8°43'17	25°25	28°12	27°15	4°36	16°24	24°28	1° 9	8°25	18°59	28°R44	27°40	29°37	n.a.	S 8
S 9	20 46 21	9°41'40	8♐44	0♌ 6	28°29	5°16	16°34	24°25	1°10	8°23	18°59	28°44	27°36	29°44	n.a.	S 9
M10	20 50 17	10°40'05	22°31	2° 0	29°43	5°56	16°45	24°23	1°11	8°22	18°58	28°42	27°33	29°51	n.a.	M10
T 11	20 54 14	11°38'31	6♑49	3°54	0♍58	6°35	16°55	24°21	1°12	8°20	18°57	28°37	27°30	29°57	n.a.	T 11
W12	20 58 10	12°37'00	21°33	5°48	2°12	7°15	17° 5	24°18	1°14	8°18	18°56	28°30	27°27	0♍ 4	n.a.	W12
T 13	21 2 7	13°35'30	6♒38	7°43	3°26	7°55	17°15	24°16	1°15	8°17	18°56	28°21	27°24	0°11	n.a.	T 13
F 14	21 6 3	14°34'02	21°56	9°36	4°40	8°35	17°25	24°14	1°17	8°15	18°55	28°11	27°21	0°18	n.a.	F 14
S 15	21 10 0	15°32'36	7♓13	11°30	5°54	9°15	17°35	24°12	1°18	8°13	18°54	28° 0	27°17	0°24	n.a.	S 15
S 16	21 13 56	16°31'12	22°20	13°23	7° 8	9°55	17°45	24°10	1°20	8°12	18°54	27°51	27°14	0°31	n.a.	S 16
M17	21 17 53	17°29'51	7♈ 6	15°15	8°22	10°35	17°55	24° 9	1°21	8°10	18°53	27°44	27°11	0°38	n.a.	M17
T 18	21 21 50	18°28'31	21°28	17° 7	9°36	11°16	18° 4	24° 7	1°23	8° 8	18°52	27°39	27° 8	0°45	n.a.	T 18
W19	21 25 46	19°27'15	5♉21	18°58	10°51	11°56	18°14	24° 5	1°25	8° 7	18°52	27°37	27° 5	0°51	n.a.	W19
T 20	21 29 43	20°26'00	18°48	20°48	12° 5	12°36	18°23	24° 4	1°26	8° 5	18°51	27°37	27° 2	0°58	n.a.	T 20
F 21	21 33 39	21°24'48	1♊50	22°37	13°19	13°17	18°32	24° 2	1°28	8° 4	18°51	27°37	26°58	1° 5	n.a.	F 21
S 22	21 37 36	22°23'39	14°32	24°25	14°33	13°57	18°42	24° 1	1°30	8° 2	18°50	27°36	26°55	1°11	n.a.	S 22
S 23	21 41 32	23°22'31	26°58	26°12	15°47	14°38	18°51	24° 0	1°32	8° 0	18°50	27°33	26°52	1°18	n.a.	S 23
M24	21 45 29	24°21'27	9♋12	27°58	17° 1	15°18	19° 0	23°59	1°34	7°59	18°50	27°28	26°49	1°25	n.a.	M24
T 25	21 49 25	25°20'24	21°17	29°44	18°15	15°59	19° 8	23°58	1°36	7°57	18°49	27°20	26°46	1°32	n.a.	T 25
W26	21 53 22	26°19'24	3♌16	1♍28	19°29	16°39	19°17	23°57	1°38	7°56	18°49	27° 9	26°42	1°38	n.a.	W26
T 27	21 57 18	27°18'26	15°11	3°12	20°43	17°20	19°26	23°56	1°40	7°54	18°48	26°55	26°39	1°45	n.a.	T 27
F 28	22 1 15	28°17'30	27° 4	4°54	21°57	18° 1	19°34	23°55	1°42	7°53	18°48	26°41	26°36	1°52	n.a.	F 28
S 29	22 5 12	29°16'36	8♍56	6°36	23°12	18°42	19°42	23°55	1°44	7°51	18°48	26°26	26°33	1°58	n.a.	S 29
S 30	22 9 8	0♍15'44	20°48	8°17	24°26	19°23	19°50	23°54	1°46	7°50	18°48	26°13	26°30	2° 5	n.a.	S 30
M31	22 13 5	1♍14'55	2♎42	9♍56	25♍40	20♍ 3	19♊58	23♐54	1♏48	7♒48	18♐47	26♉ 1	26♉27	2♍12	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n59	16n18	5n 3	23n30	0n42	16n48	1n25	12n25	0n51	22n43	0s12	23s28	0n11	11s39	0n22	19s 8	0s49	24s12	0s54	20n15	19n59	16n50		n.a.
S 2	19 46	11 43	4 55	23 28	0 53	16 24	1 25	12 10	0 50	22 44	0 12	23 28	0 11	11 39	0 22	19 9	0 49	24 12	0 54	20 13	19 58	16 48		n.a.
M 3	19 32	6 42	4 35	23 24	1 3	15 59	1 24	11 55	0 50	22 46	0 11	23 28	0 11	11 39	0 22	19 9	0 49	24 12	0 54	20 11	19 57	16 45		n.a.
T 4	19 18	1 25	4 3	23 17	1 11	15 34	1 24	11 41	0 49	22 47	0 11	23 28	0 11	11 40	0 22	19 10	0 49	24 12	0 55	20 9	19 57	16 43		n.a.
W 5	19 4	3s59	3 20	23 7	1 19	15 9	1 23	11 26	0 49	22 48	0 11	23 28	0 11	11 40	0 22	19 10	0 49	24 12	0 55	20 9	19 56	16 41		n.a.
T 6	18 49	9 20	2 26	22 55	1 26	14 43	1 22	11 11	0 48	22 49	0 11	23 28	0 11	11 40	0 22	19 11	0 49	24 12	0 55	20 8	19 55	16 38		n.a.
F 7	18 34	14 27	1 25	22 39	1 32	14 17	1 21	10 56	0 48	22 51	0 11	23 28	0 10	11 41	0 22	19 11	0 49	24 12	0 55	20 8	19 54	16 36		n.a.
S 8	18 19	19 5	0 18	22 22	1 37	13 50	1 20	10 41	0 47	22 52	0 11	23 28	0 10	11 41	0 22	19 11	0 49	24 12	0 55	20 8	19 54	16 33		n.a.
S 9	18 3	22 55	0s53	22 2	1 41	13 23	1 19	10 25	0 46	22 53	0 11	23 28	0 10	11 42	0 22	19 12	0 49	24 12	0 55	20 8	19 53	16 31		n.a.
M10	17 47	25 35	2 3	21 39	1 44	12 56	1 18	10 10	0 46	22 54	0 11	23 28	0 10	11 42	0 21	19 12	0 49	24 12	0 55	20 8	19 52	16 28		n.a.
T 11	17 31	26 41	3 7	21 15	1 46	12 28	1 17	9 55	0 45	22 55	0 11	23 28	0 10	11 43	0 21	19 13	0 49	24 12	0 55	20 7	19 52	16 26		n.a.
W12	17 14	25 58	4 1	20 48	1 48	12 0	1 15	9 39	0 45	22 56	0 11	23 28	0 10	11 43	0 21	19 13	0 49	24 12	0 55	20 5	19 51	16 23		n.a.
T 13	16 58	23 22	4 40	20 20	1 49	11 32	1 14	9 23	0 44	22 57	0 11	23 28	0 10	11 44	0 21	19 14	0 49	24 12	0 55	20 3	19 50	16 21		n.a.
F 14	16 41	19 5	4 59	19 49	1 49	11 3	1 13	9 8	0 44	22 58	0 10	23 28	0 10	11 44	0 21	19 14	0 49	24 12	0 55	20 1	19 49	16 18		n.a.
S 15	16 23	13 33	4 57	19 18	1 48	10 34	1 11	8 52	0 43	22 59	0 10	23 28	0 10	11 45	0 21	19 15	0 49	24 12	0 55	19 58	19 49	16 16		n.a.
S 16	16 5	7 16	4 34	18 44	1 47	10 5	1 10	8 36	0 43	23 0	0 10	23 28	0 10	11 45	0 21	19 15	0 50	24 12	0 55	19 56	19 48	16 13		n.a.
M17	15 47	0 42	3 53	18 9	1 46	9 35	1 8	8 20	0 42	23 1	0 10	23 28	0 9	11 46	0 21	19 15	0 50	24 12	0 55	19 55	19 47	16 11		n.a.
T 18	15 29	5n43	2 59	17 33	1 44	9 5	1 6	8 4	0 41	23 2	0 10	23 28	0 9	11 46	0 21	19 16	0 50	24 12	0 56	19 54	19 46	16 8		n.a.
W19	15 11	11 40	1 55	16 56	1 41	8 35	1 5	7 48	0 41	23 3	0 10	23 28	0 9	11 47	0 21	19 16	0 50	24 12	0 56	19 53	19 46	16 6		n.a.
T 20	14 52	16 54	0 46	16 18	1 38	8 5	1 3	7 32	0 40	23 4	0 10	23 28	0 9	11 48	0 21	19 17	0 50	24 12	0 56	19 53	19 45	16 3		n.a.
F 21	14 33	21 10	0n22	15 39	1 35	7 35	1 1	7 16	0 40	23 5	0 10	23 28	0 9	11 48	0 21	19 17	0 50	24 12	0 56	19 53	19 44	16 1		n.a.
S 22	14 14	24 18	1 28	14 59	1 31	7 4	0 59	7 0	0 39	23 6	0 10	23 28	0 9	11 49	0 21	19 18	0 50	24 12	0 56	19 53	19 43	15 58		n.a.
S 23	13 54	26 11	2 28	14 18	1 27	6 33	0 57	6 43	0 39	23 7	0 10	23 28	0 9	11 50	0 21	19 18	0 50	24 12	0 56	19 52	19 43	15 56		n.a.
M24	13 34	26 46	3 20	13 37	1 22	6 2	0 55	6 27	0 38	23 8	0 10	23 28	0 9	11 50	0 21	19 18	0 50	24 12	0 56	19 51	19 42	15 53		n.a.
T 25	13 15	26 2	4 3	12 55	1 17	5 31	0 53	6 10	0 37	23 9	0 9	23 28	0 9	11 51	0 21	19 19	0 50	24 12	0 56	19 49	19 41	15 51		n.a.
W26	12 54	24 7	4 34	12 13	1 12	5 0	0 51	5 54	0 37	23 9	0 9	23 28	0 9	11 52	0 21	19 19	0 50	24 12	0 56	19 47	19 40	15 48		n.a.
T 27	12 34	21 9	4 53	11 30	1 7	4 29	0 49	5 37	0 36	23 10	0 9	23 28	0 8	11 53	0 21	19 20	0 50	24 12	0 56	19 43	19 40	15 46		n.a.
F 28	12 13	17 19	4 59	10 47	1 1	3 57	0 47	5 21	0 36	23 11	0 9	23 28	0 8	11 53	0 21	19 20	0 50	24 12	0 56	19 40	19 39	15 43		n.a.
S 29	11 52	12 50	4 52	10 4	0 56	3 25	0 45	5 4	0 35	23 12	0 9	23 28	0 8	11 54	0 21	19 20	0 50	24 12	0 56	19 37	19 38	15 41		n.a.
S 30	11 31	7 51	4 33	9 20	0 50	2 54	0 43	4 47	0 34	23 12	0 9	23 28	0 8	11 55	0 21	19 21	0 50	24 12	0 56	19 33	19 37	15 38		n.a.
M31	11n10	2n35	4n 1	8n37	0n43	2n22	0n40	4n30	0n34	23n13	0s 9	23s29	0n 8	11s56	0n21	19s21	0s50	24s12	0s56	19n31	19n37	15n36		n.a.

Julian Day Number = 1555446.5, Delta T = 04h27m52s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'54, Lahiri = -10°13'53 Julian Calendar 1 Aug. 455 BCE == Greg. Calendar 27 July 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

SEPTEMBER 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 17 1	2♍14'07	14♎40	11♍36	26♍54	20♍44	20♊ 6	23°R53	1♏51	7°R47	18°R47	25°R53	26♉23	2♍19	n.a.	T 1
W 2	22 20 58	3°13'21	26°45	13°14	28° 8	21°25	20°14	23♐53	1°53	7♒45	18♐47	25♉47	26°20	2°25	n.a.	W 2
T 3	22 24 54	4°12'38	9♏ 1	14°51	29°22	22° 7	20°22	23°53	1°55	7°44	18°47	25°44	26°17	2°32	n.a.	T 3
F 4	22 28 51	5°11'56	21°31	16°28	0♎36	22°48	20°29	23°D53	1°58	7°42	18°47	25°D43	26°14	2°39	n.a.	F 4
S 5	22 32 47	6°11'16	4♐19	18° 3	1°50	23°29	20°36	23°53	2° 0	7°41	18°47	25°R43	26°11	2°46	n.a.	S 5
S 6	22 36 44	7°10'39	17°31	19°38	3° 4	24°10	20°44	23°53	2° 3	7°40	18°47	25°43	26° 8	2°52	n.a.	S 6
M 7	22 40 41	8°10'03	1♑10	21°13	4°18	24°52	20°51	23°53	2° 5	7°38	18°D47	25°41	26° 4	2°59	n.a.	M 7
T 8	22 44 37	9° 9'29	15°17	22°46	5°32	25°33	20°58	23°54	2° 8	7°37	18°47	25°37	26° 1	3° 6	n.a.	T 8
W 9	22 48 34	10° 8'56	29°53	24°19	6°46	26°14	21° 4	23°54	2°10	7°35	18°47	25°31	25°58	3°12	n.a.	W 9
T 10	22 52 30	11° 8'26	14♒52	25°51	7°59	26°56	21°11	23°55	2°13	7°34	18°47	25°22	25°55	3°19	n.a.	T 10
F 11	22 56 27	12° 7'58	0♓ 8	27°22	9°13	27°37	21°17	23°55	2°16	7°33	18°47	25°11	25°52	3°26	n.a.	F 11
S 12	23 0 23	13° 7'31	15°29	28°53	10°27	28°19	21°24	23°56	2°18	7°32	18°47	25° 1	25°48	3°33	n.a.	S 12
S 13	23 4 20	14° 7'07	0♈43	0♎23	11°41	29° 1	21°30	23°57	2°21	7°30	18°47	24°51	25°45	3°39	n.a.	S 13
M14	23 8 16	15° 6'45	15°40	1°52	12°55	29°42	21°36	23°58	2°24	7°29	18°48	24°44	25°42	3°46	n.a.	M14
T 15	23 12 13	16° 6'25	0♉13	3°20	14° 9	0♎24	21°42	23°59	2°27	7°28	18°48	24°39	25°39	3°53	n.a.	T 15
W16	23 16 9	17° 6'08	14°17	4°48	15°23	1° 6	21°47	24° 0	2°29	7°27	18°48	24°37	25°36	4° 0	n.a.	W16
T 17	23 20 6	18° 5'53	27°51	6°15	16°36	1°48	21°53	24° 1	2°32	7°25	18°48	24°D37	25°33	4° 6	n.a.	T 17
F 18	23 24 3	19° 5'40	10♊58	7°41	17°50	2°30	21°58	24° 3	2°35	7°24	18°49	24°37	25°29	4°13	n.a.	F 18
S 19	23 27 59	20° 5'30	23°42	9° 7	19° 4	3°12	22° 3	24° 4	2°38	7°23	18°49	24°R37	25°26	4°20	n.a.	S 19
S 20	23 31 56	21° 5'22	6♋ 7	10°31	20°18	3°54	22° 8	24° 6	2°41	7°22	18°49	24°36	25°23	4°26	n.a.	S 20
M21	23 35 52	22° 5'17	18°17	11°55	21°32	4°36	22°13	24° 7	2°44	7°21	18°50	24°33	25°20	4°33	n.a.	M21
T 22	23 39 49	23° 5'14	0♌17	13°18	22°45	5°18	22°18	24° 9	2°47	7°20	18°50	24°27	25°17	4°40	n.a.	T 22
W23	23 43 45	24° 5'13	12°12	14°40	23°59	6° 0	22°22	24°11	2°50	7°19	18°51	24°18	25°13	4°47	n.a.	W23
T 24	23 47 42	25° 5'14	24° 3	16° 1	25°13	6°42	22°27	24°13	2°53	7°18	18°51	24° 8	25°10	4°53	n.a.	T 24
F 25	23 51 38	26° 5'17	5♍55	17°21	26°27	7°25	22°31	24°15	2°57	7°17	18°52	23°56	25° 7	5° 0	n.a.	F 25
S 26	23 55 35	27° 5'23	17°48	18°40	27°40	8° 7	22°35	24°17	3° 0	7°16	18°52	23°45	25° 4	5° 7	n.a.	S 26
S 27	23 59 32	28° 5'30	29°45	19°57	28°54	8°49	22°39	24°20	3° 3	7°15	18°53	23°34	25° 1	5°13	n.a.	S 27
M28	0 3 28	29° 5'39	11♎46	21°14	0♏ 8	9°32	22°42	24°22	3° 6	7°14	18°53	23°25	24°58	5°20	n.a.	M28
T 29	0 7 25	0♎ 5'51	23°53	22°28	1°21	10°14	22°46	24°24	3° 9	7°13	18°54	23°18	24°54	5°27	n.a.	T 29
W30	0 11 21	1♎ 6'04	6♏ 8	23♎42	2♏35	10♎57	22♊49	24♐27	3♏13	7♒13	18♐55	23♉14	24♉51	5♍34	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n49	2s49	3n18	7n53	0n37	1n50	0n38	4n13	0n33	23n14	0s 9	23s29	0n 8	11s57	0n21	19s22	0s50	24s13	0s56	19n29	19n36	15n33		n.a.
W 2	10 27	8 10	2 27	7 9	0 31	1 18	0 36	3 57	0 33	23 14	0 9	23 29	0 8	11 57	0 21	19 22	0 50	24 13	0 57	19 27	19 35	15 30		n.a.
T 3	10 6	13 19	1 27	6 25	0 24	0 46	0 33	3 40	0 32	23 15	0 9	23 29	0 8	11 58	0 21	19 22	0 50	24 13	0 57	19 27	19 34	15 28		n.a.
F 4	9 44	18 1	0 22	5 41	0 18	0 14	0 31	3 23	0 32	23 16	0 9	23 29	0 8	11 59	0 21	19 23	0 50	24 13	0 57	19 26	19 34	15 25		n.a.
S 5	9 22	22 2	0s45	4 57	0 11	0s18	0 28	3 6	0 31	23 16	0 8	23 29	0 8	12 0	0 21	19 23	0 50	24 13	0 57	19 26	19 33	15 23		n.a.
S 6	8 59	25 2	1 53	4 13	0 4	0 51	0 26	2 48	0 30	23 17	0 8	23 29	0 7	12 1	0 21	19 23	0 50	24 13	0 57	19 26	19 32	15 20		n.a.
M 7	8 37	26 41	2 56	3 29	0s 3	1 23	0 23	2 31	0 30	23 18	0 8	23 29	0 7	12 2	0 21	19 24	0 50	24 13	0 57	19 26	19 31	15 17		n.a.
T 8	8 14	26 41	3 50	2 45	0 10	1 55	0 20	2 14	0 29	23 18	0 8	23 29	0 7	12 3	0 21	19 24	0 50	24 13	0 57	19 25	19 31	15 15		n.a.
W 9	7 52	24 52	4 32	2 2	0 17	2 27	0 18	1 57	0 29	23 19	0 8	23 29	0 7	12 4	0 21	19 25	0 50	24 13	0 57	19 23	19 30	15 12		n.a.
T 10	7 29	21 18	4 56	1 18	0 24	2 59	0 15	1 40	0 28	23 19	0 8	23 30	0 7	12 5	0 21	19 25	0 50	24 13	0 57	19 21	19 29	15 10		n.a.
F 11	7 6	16 14	5 0	0 35	0 31	3 31	0 12	1 22	0 27	23 20	0 8	23 30	0 7	12 5	0 21	19 25	0 50	24 13	0 57	19 19	19 28	15 7		n.a.
S 12	6 43	10 8	4 43	0s 8	0 38	4 3	0 10	1 5	0 27	23 20	0 8	23 30	0 7	12 6	0 21	19 26	0 50	24 13	0 57	19 16	19 28	15 4		n.a.
S 13	6 20	3 27	4 5	0 50	0 45	4 35	0 7	0 48	0 26	23 21	0 8	23 30	0 7	12 7	0 21	19 26	0 50	24 13	0 57	19 14	19 27	15 2		n.a.
M14	5 56	3n19	3 11	1 33	0 52	5 6	0 4	0 31	0 26	23 21	0 8	23 30	0 7	12 8	0 21	19 26	0 50	24 13	0 57	19 12	19 26	14 59		n.a.
T 15	5 33	9 44	2 6	2 15	0 59	5 38	0 1	0 13	0 25	23 22	0 7	23 30	0 7	12 9	0 21	19 26	0 50	24 13	0 57	19 11	19 25	14 57		n.a.
W16	5 9	15 28	0 55	2 56	1 6	6 9	0s 2	0s 4	0 24	23 22	0 7	23 30	0 6	12 10	0 21	19 27	0 49	24 14	0 57	19 10	19 25	14 54		n.a.
T 17	4 46	20 13	0n17	3 37	1 13	6 41	0 5	0 22	0 24	23 23	0 7	23 31	0 6	12 11	0 21	19 27	0 49	24 14	0 57	19 10	19 24	14 51		n.a.
F 18	4 22	23 48	1 26	4 18	1 19	7 12	0 7	0 39	0 23	23 23	0 7	23 31	0 6	12 12	0 21	19 27	0 49	24 14	0 58	19 10	19 23	14 49		n.a.
S 19	3 58	26 4	2 28	4 58	1 26	7 43	0 10	0 57	0 23	23 24	0 7	23 31	0 6	12 13	0 21	19 28	0 49	24 14	0 58	19 10	19 22	14 46		n.a.
S 20	3 35	26 58	3 22	5 38	1 33	8 14	0 13	1 14	0 22	23 24	0 7	23 31	0 6	12 15	0 21	19 28	0 49	24 14	0 58	19 10	19 21	14 43		n.a.
M21	3 11	26 32	4 5	6 17	1 39	8 45	0 16	1 31	0 21	23 24	0 7	23 31	0 6	12 16	0 20	19 28	0 49	24 14	0 58	19 9	19 21	14 41		n.a.
T 22	2 47	24 52	4 37	6 56	1 45	9 15	0 19	1 49	0 21	23 25	0 7	23 31	0 6	12 17	0 20	19 28	0 49	24 14	0 58	19 8	19 20	14 38		n.a.
W23	2 23	22 6	4 57	7 34	1 52	9 46	0 22	2 6	0 20	23 25	0 7	23 32	0 6	12 18	0 20	19 29	0 49	24 14	0 58	19 6	19 19	14 36		n.a.
T 24	1 59	18 26	5 4	8 11	1 57	10 16	0 25	2 24	0 19	23 25	0 7	23 32	0 6	12 19	0 20	19 29	0 49	24 14	0 58	19 3	19 18	14 33		n.a.
F 25	1 34	14 3	4 57	8 48	2 3	10 46	0 28	2 41	0 19	23 26	0 6	23 32	0 6	12 20	0 20	19 29	0 49	24 14	0 58	19 0	19 18	14 30		n.a.
S 26	1 10	9 8	4 38	9 23	2 9	11 15	0 31	2 59	0 18	23 26	0 6	23 32	0 6	12 21	0 20	19 29	0 49	24 15	0 58	18 57	19 17	14 28		n.a.
S 27	0 46	3 51	4 6	9 58	2 14	11 45	0 34	3 16	0 18	23 26	0 6	23 32	0 5	12 22	0 20	19 30	0 49	24 15	0 58	18 54	19 16	14 25		n.a.
M28	0 22	1s36	3 23	10 32	2 19	12 14	0 37	3 34	0 17	23 27	0 6	23 32	0 5	12 23	0 20	19 30	0 49	24 15	0 58	18 52	19 15	14 22		n.a.
T 29	0s 2	7 3	2 31	11 5	2 24	12 43	0 40	3 51	0 16	23 27	0 6	23 33	0 5	12 24	0 20	19 30	0 49	24 15	0 58	18 50	19 15	14 19		n.a.
W30	0s27	12s19	1n30	11s37	2s29	13s11	0s42	4s 9	0n16	23n27	0s 6	23s33	0n 5	12s26	0n20	19s30	0s49	24s15	0s58	18n49	19n14	14n17		n.a.

Julian Day Number = 1555477.5, Delta T = 04h27m51s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'50, Lahiri = -10°13'49 Julian Calendar 1 Sept. 455 BCE == Greg. Calendar 27 Aug. 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

OCTOBER 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 15 18	2♎ 6'19	18♏32	24♎53	3♏48	11♎40	22♊52	24♐29	3♏16	7°R12	18♐55	23°D13	24♉48	5♍40	n.a.	T 1
F 2	0 19 14	3° 6'35	1♐ 9	26° 3	5° 2	12°22	22°55	24°32	3°19	7♒11	18°56	23♉13	24°45	5°47	n.a.	F 2
S 3	0 23 11	4° 6'54	14° 0	27°10	6°16	13° 5	22°57	24°35	3°22	7°10	18°57	23°14	24°42	5°54	n.a.	S 3
S 4	0 27 7	5° 7'14	27°11	28°15	7°29	13°48	23° 0	24°38	3°26	7°10	18°58	23°15	24°39	6° 1	n.a.	S 4
M 5	0 31 4	6° 7'35	10♑43	29°17	8°43	14°31	23° 2	24°41	3°29	7° 9	18°58	23°R15	24°35	6° 7	n.a.	M 5
T 6	0 35 1	7° 7'58	24°39	0♏16	9°56	15°14	23° 4	24°44	3°33	7° 8	18°59	23°14	24°32	6°14	n.a.	T 6
W 7	0 38 57	8° 8'23	8♒58	1°12	11° 9	15°57	23° 6	24°47	3°36	7° 8	19° 0	23°10	24°29	6°21	n.a.	W 7
T 8	0 42 54	9° 8'49	23°39	2° 4	12°23	16°40	23° 8	24°51	3°39	7° 7	19° 1	23° 5	24°26	6°27	n.a.	T 8
F 9	0 46 50	10° 9'16	8♓36	2°51	13°36	17°23	23°10	24°54	3°43	7° 7	19° 2	22°59	24°23	6°34	n.a.	F 9
S 10	0 50 47	11° 9'45	23°41	3°34	14°50	18° 6	23°11	24°57	3°46	7° 6	19° 3	22°52	24°19	6°41	n.a.	S 10
S 11	0 54 43	12°10'15	8♈45	4°12	16° 3	18°49	23°12	25° 1	3°50	7° 6	19° 4	22°46	24°16	6°48	n.a.	S 11
M12	0 58 40	13°10'48	23°38	4°43	17°16	19°32	23°13	25° 4	3°53	7° 5	19° 5	22°41	24°13	6°54	n.a.	M12
T 13	1 2 36	14°11'21	8♉12	5° 8	18°30	20°16	23°14	25° 8	3°57	7° 5	19° 6	22°39	24°10	7° 1	n.a.	T 13
W14	1 6 33	15°11'57	22°21	5°25	19°43	20°59	23°14	25°12	4° 1	7° 4	19° 7	22°D38	24° 7	7° 8	n.a.	W14
T 15	1 10 29	16°12'35	6♊ 3	5°35	20°56	21°43	23°15	25°16	4° 4	7° 4	19° 8	22°38	24° 4	7°14	n.a.	T 15
F 16	1 14 26	17°13'14	19°17	5°R35	22° 9	22°26	23°R15	25°20	4° 8	7° 4	19° 9	22°40	24° 0	7°21	n.a.	F 16
S 17	1 18 23	18°13'56	2♋ 7	5°26	23°22	23° 9	23°15	25°24	4°11	7° 3	19°10	22°41	23°57	7°28	n.a.	S 17
S 18	1 22 19	19°14'39	14°36	5° 7	24°36	23°53	23°14	25°28	4°15	7° 3	19°11	22°R42	23°54	7°35	n.a.	S 18
M19	1 26 16	20°15'23	26°49	4°37	25°49	24°37	23°14	25°32	4°18	7° 3	19°13	22°42	23°51	7°41	n.a.	M19
T 20	1 30 12	21°16'10	8♌50	3°57	27° 2	25°20	23°13	25°36	4°22	7° 3	19°14	22°41	23°48	7°48	n.a.	T 20
W21	1 34 9	22°16'58	20°44	3° 7	28°15	26° 4	23°13	25°41	4°26	7° 3	19°15	22°38	23°45	7°55	n.a.	W21
T 22	1 38 5	23°17'48	2♍35	2° 7	29°28	26°48	23°12	25°45	4°29	7° 2	19°16	22°34	23°41	8° 1	n.a.	T 22
F 23	1 42 2	24°18'39	14°27	0°58	0♐41	27°32	23°10	25°50	4°33	7° 2	19°18	22°29	23°38	8° 8	n.a.	F 23
S 24	1 45 58	25°19'32	26°23	29♎42	1°54	28°16	23° 9	25°54	4°37	7° 2	19°19	22°23	23°35	8°15	n.a.	S 24
S 25	1 49 55	26°20'26	8♎26	28°22	3° 7	29° 0	23° 7	25°59	4°40	7°D 2	19°20	22°19	23°32	8°22	n.a.	S 25
M26	1 53 52	27°21'22	20°36	27° 0	4°20	29°44	23° 5	26° 4	4°44	7° 2	19°22	22°15	23°29	8°28	n.a.	M26
T 27	1 57 48	28°22'19	2♏57	25°39	5°32	0♏28	23° 3	26° 9	4°48	7° 2	19°23	22°12	23°25	8°35	n.a.	T 27
W28	2 1 45	29°23'17	15°27	24°21	6°45	1°12	23° 1	26°14	4°51	7° 3	19°24	22°11	23°22	8°42	n.a.	W28
T 29	2 5 41	0♏24'17	28° 9	23° 9	7°58	1°56	22°59	26°18	4°55	7° 3	19°26	22°D11	23°19	8°49	n.a.	T 29
F 30	2 9 38	1°25'17	11♐ 4	22° 5	9°11	2°40	22°56	26°24	4°59	7° 3	19°27	22°12	23°16	8°55	n.a.	F 30
S 31	2 13 34	2♏26'19	24♐11	21♎10	10♐23	3♏24	22♊53	26♐29	5♏ 3	7♒ 3	19♐29	22♉13	23♉13	9♍ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	0s51	17s10	0n25	12s 7	2s33	13s40	0s45	4s26	0n15	23n28	0s 6	23s33	0n 5	12s27	0n20	19s30	0s49	24s15	0s58	18n49	19n13	14n14		n.a.
F 2	1 15	21 21	0s43	12 37	2 37	14 8	0 48	4 44	0 14	23 28	0 6	23 33	0 5	12 28	0 20	19 31	0 49	24 15	0 58	18 49	19 12	14 11		n.a.
S 3	1 39	24 36	1 50	13 5	2 40	14 35	0 51	5 1	0 14	23 28	0 6	23 33	0 5	12 29	0 20	19 31	0 49	24 15	0 58	18 49	19 11	14 9		n.a.
S 4	2 4	26 36	2 53	13 31	2 43	15 2	0 54	5 19	0 13	23 28	0 5	23 34	0 5	12 30	0 20	19 31	0 49	24 15	0 59	18 50	19 11	14 6		n.a.
M 5	2 28	27 6	3 48	13 56	2 45	15 29	0 57	5 36	0 13	23 29	0 5	23 34	0 5	12 31	0 20	19 31	0 49	24 16	0 59	18 50	19 10	14 3		n.a.
T 6	2 52	25 55	4 31	14 19	2 47	15 56	1 0	5 53	0 12	23 29	0 5	23 34	0 5	12 33	0 20	19 31	0 49	24 16	0 59	18 49	19 9	14 1		n.a.
W 7	3 16	23 3	4 59	14 40	2 48	16 22	1 3	6 11	0 11	23 29	0 5	23 34	0 5	12 34	0 20	19 31	0 49	24 16	0 59	18 48	19 8	13 58		n.a.
T 8	3 40	18 39	5 9	14 59	2 49	16 47	1 5	6 28	0 11	23 29	0 5	23 35	0 4	12 35	0 20	19 32	0 49	24 16	0 59	18 47	19 7	13 55		n.a.
F 9	4 4	13 2	4 57	15 15	2 48	17 13	1 8	6 45	0 10	23 30	0 5	23 35	0 4	12 36	0 20	19 32	0 49	24 16	0 59	18 45	19 7	13 52		n.a.
S 10	4 28	6 36	4 26	15 29	2 47	17 37	1 11	7 3	0 9	23 30	0 5	23 35	0 4	12 37	0 20	19 32	0 49	24 16	0 59	18 44	19 6	13 50		n.a.
S 11	4 52	0n13	3 35	15 40	2 45	18 2	1 14	7 20	0 9	23 30	0 5	23 35	0 4	12 39	0 20	19 32	0 49	24 16	0 59	18 42	19 5	13 47		n.a.
M12	5 16	6 57	2 31	15 48	2 42	18 26	1 16	7 37	0 8	23 30	0 4	23 35	0 4	12 40	0 20	19 32	0 49	24 17	0 59	18 41	19 4	13 44		n.a.
T 13	5 40	13 12	1 18	15 52	2 37	18 49	1 19	7 54	0 8	23 30	0 4	23 36	0 4	12 41	0 20	19 32	0 49	24 17	0 59	18 40	19 4	13 42		n.a.
W14	6 4	18 34	0 2	15 53	2 32	19 12	1 22	8 11	0 7	23 30	0 4	23 36	0 4	12 42	0 20	19 32	0 49	24 17	0 59	18 40	19 3	13 39		n.a.
T 15	6 27	22 47	1n12	15 50	2 25	19 34	1 24	8 28	0 6	23 31	0 4	23 36	0 4	12 44	0 20	19 32	0 49	24 17	0 59	18 40	19 2	13 36		n.a.
F 16	6 51	25 38	2 20	15 42	2 16	19 56	1 27	8 45	0 6	23 31	0 4	23 36	0 4	12 45	0 20	19 32	0 49	24 17	0 59	18 41	19 1	13 33		n.a.
S 17	7 14	27 3	3 19	15 29	2 6	20 18	1 29	9 2	0 5	23 31	0 4	23 37	0 4	12 46	0 20	19 32	0 49	24 17	0 59	18 41	19 0	13 31		n.a.
S 18	7 38	27 1	4 6	15 12	1 55	20 39	1 32	9 19	0 4	23 31	0 4	23 37	0 4	12 47	0 20	19 32	0 49	24 18	0 59	18 41	19 0	13 28		n.a.
M19	8 1	25 40	4 41	14 49	1 41	20 59	1 34	9 36	0 4	23 31	0 4	23 37	0 4	12 48	0 20	19 33	0 49	24 18	0 59	18 41	18 59	13 25		n.a.
T 20	8 24	23 9	5 3	14 21	1 26	21 19	1 36	9 53	0 3	23 31	0 3	23 37	0 3	12 50	0 20	19 33	0 49	24 18	1 0	18 41	18 58	13 22		n.a.
W21	8 47	19 41	5 12	13 48	1 10	21 38	1 39	10 9	0 2	23 31	0 3	23 37	0 3	12 51	0 20	19 33	0 49	24 18	1 0	18 40	18 57	13 20		n.a.
T 22	9 10	15 27	5 8	13 10	0 52	21 56	1 41	10 26	0 2	23 31	0 3	23 38	0 3	12 52	0 20	19 33	0 49	24 18	1 0	18 39	18 56	13 17		n.a.
F 23	9 33	10 38	4 50	12 28	0 32	22 14	1 43	10 43	0 1	23 31	0 3	23 38	0 3	12 53	0 20	19 33	0 49	24 18	1 0	18 38	18 56	13 14		n.a.
S 24	9 55	5 25	4 19	11 42	0 12	22 32	1 45	10 59	0 0	23 31	0 3	23 38	0 3	12 55	0 20	19 33	0 49	24 19	1 0	18 36	18 55	13 11		n.a.
S 25	10 18	0s 4	3 37	10 54	0n 9	22 48	1 47	11 16	0s 0	23 31	0 3	23 38	0 3	12 56	0 20	19 33	0 49	24 19	1 0	18 35	18 54	13 8		n.a.
M26	10 40	5 37	2 45	10 5	0 29	23 5	1 49	11 32	0 1	23 31	0 3	23 39	0 3	12 57	0 20	19 33	0 49	24 19	1 0	18 34	18 53	13 6		n.a.
T 27	11 2	11 2	1 44	9 16	0 49	23 20	1 51	11 48	0 1	23 31	0 3	23 39	0 3	12 59	0 20	19 33	0 49	24 19	1 0	18 33	18 52	13 3		n.a.
W28	11 24	16 6	0 37	8 30	1 8	23 35	1 53	12 4	0 2	23 31	0 2	23 39	0 3	13 0	0 20	19 33	0 49	24 19	1 0	18 33	18 52	13 0		n.a.
T 29	11 46	20 33	0s33	7 47	1 26	23 49	1 55	12 21	0 3	23 31	0 2	23 39	0 3	13 1	0 20	19 32	0 49	24 19	1 0	18 33	18 51	12 57		n.a.
F 30	12 7	24 5	1 42	7 8	1 42	24 2	1 57	12 37	0 3	23 31	0 2	23 40	0 3	13 2	0 20	19 32	0 49	24 20	1 0	18 33	18 50	12 54		n.a.
S 31	12s29	26s25	2s47	6s35	1n56	24s15	1s59	12s53	0s 4	23n31	0s 2	23s40	0n 3	13s 4	0n20	19s32	0s49	24s20	1s 0	18n34	18n49	12n52		n.a.

Julian Day Number = 1555507.5, Delta T = 04h27m50s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'46, Lahiri = -10°13'45 Julian Calendar 1 Oct. 455 BCE == Greg. Calendar 26 Sept. 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

NOVEMBER 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 17 31	3♏27'21	7♑32	20°R27	11♐36	4♏ 9	22°R50	26♐34	5♏ 6	7♒ 3	19♐30	22♉15	23♉10	9♍ 9	n.a.	S 1
M 2	2 21 28	4°28'24	21° 8	19♎55	12°49	4°53	22♊47	26°39	5°10	7° 3	19°32	22°16	23° 6	9°15	n.a.	M 2
T 3	2 25 24	5°29'28	5♒ 0	19°34	14° 1	5°37	22°44	26°44	5°14	7° 4	19°33	22°R16	23° 3	9°22	n.a.	T 3
W 4	2 29 21	6°30'32	19° 7	19°D25	15°14	6°22	22°40	26°50	5°17	7° 4	19°35	22°16	23° 0	9°29	n.a.	W 4
T 5	2 33 17	7°31'37	3♓28	19°26	16°26	7° 6	22°36	26°55	5°21	7° 5	19°36	22°15	22°57	9°36	n.a.	T 5
F 6	2 37 14	8°32'42	17°59	19°38	17°38	7°51	22°32	27° 1	5°25	7° 5	19°38	22°13	22°54	9°42	n.a.	F 6
S 7	2 41 10	9°33'48	2♈37	19°58	18°51	8°35	22°28	27° 6	5°28	7° 5	19°40	22°11	22°50	9°49	n.a.	S 7
S 8	2 45 7	10°34'55	17°14	20°27	20° 3	9°20	22°24	27°12	5°32	7° 6	19°41	22°10	22°47	9°56	n.a.	S 8
M 9	2 49 3	11°36'03	1♉46	21° 3	21°15	10° 5	22°19	27°17	5°36	7° 6	19°43	22° 9	22°44	10° 2	n.a.	M 9
T 10	2 53 0	12°37'11	16° 5	21°46	22°27	10°49	22°15	27°23	5°39	7° 7	19°44	22°D 8	22°41	10° 9	n.a.	T 10
W11	2 56 57	13°38'20	0♊ 6	22°35	23°39	11°34	22°10	27°29	5°43	7° 7	19°46	22° 8	22°38	10°16	n.a.	W11
T 12	3 0 53	14°39'29	13°45	23°29	24°51	12°19	22° 5	27°35	5°47	7° 8	19°48	22° 9	22°35	10°23	n.a.	T 12
F 13	3 4 50	15°40'40	27° 2	24°27	26° 3	13° 4	22° 0	27°41	5°51	7° 9	19°50	22° 9	22°31	10°29	n.a.	F 13
S 14	3 8 46	16°41'51	9♋57	25°30	27°15	13°49	21°54	27°47	5°54	7° 9	19°51	22°10	22°28	10°36	n.a.	S 14
S 15	3 12 43	17°43'04	22°31	26°36	28°26	14°34	21°49	27°53	5°58	7°10	19°53	22°11	22°25	10°43	n.a.	S 15
M16	3 16 39	18°44'17	4♌48	27°45	29°38	15°19	21°43	27°59	6° 1	7°11	19°55	22°11	22°22	10°49	n.a.	M16
T 17	3 20 36	19°45'30	16°52	28°57	0♑50	16° 4	21°37	28° 5	6° 5	7°12	19°57	22°R11	22°19	10°56	n.a.	T 17
W18	3 24 32	20°46'44	28°47	0♏11	2° 1	16°49	21°31	28°11	6° 9	7°12	19°58	22°11	22°16	11° 3	n.a.	W18
T 19	3 28 29	21°47'59	10♍39	1°27	3°13	17°34	21°25	28°17	6°12	7°13	20° 0	22°D11	22°12	11°10	n.a.	T 19
F 20	3 32 26	22°49'15	22°32	2°45	4°24	18°19	21°19	28°23	6°16	7°14	20° 2	22°11	22° 9	11°16	n.a.	F 20
S 21	3 36 22	23°50'31	4♎30	4° 4	5°35	19° 4	21°13	28°30	6°20	7°15	20° 4	22°11	22° 6	11°23	n.a.	S 21
S 22	3 40 19	24°51'48	16°36	5°25	6°46	19°50	21° 6	28°36	6°23	7°16	20° 6	22°11	22° 3	11°30	n.a.	S 22
M23	3 44 15	25°53'05	28°55	6°47	7°57	20°35	21° 0	28°42	6°27	7°17	20° 7	22°12	22° 0	11°36	n.a.	M23
T 24	3 48 12	26°54'22	11♏28	8°10	9° 8	21°20	20°53	28°49	6°30	7°18	20° 9	22°12	21°56	11°43	n.a.	T 24
W25	3 52 8	27°55'40	24°17	9°34	10°19	22° 6	20°46	28°55	6°34	7°19	20°11	22°R12	21°53	11°50	n.a.	W25
T 26	3 56 5	28°56'58	7♐21	10°59	11°30	22°51	20°39	29° 2	6°37	7°20	20°13	22°12	21°50	11°57	n.a.	T 26
F 27	4 0 1	29°58'15	20°40	12°25	12°41	23°37	20°32	29° 8	6°41	7°21	20°15	22°11	21°47	12° 3	n.a.	F 27
S 28	4 3 58	0♐59'33	4♑13	13°51	13°51	24°22	20°25	29°15	6°44	7°22	20°17	22°10	21°44	12°10	n.a.	S 28
S 29	4 7 55	2° 0'51	17°58	15°19	15° 2	25° 8	20°17	29°22	6°48	7°24	20°19	22° 9	21°41	12°17	n.a.	S 29
M30	4 11 51	3♐ 2'09	1♒53	16♏46	16♑12	25♏54	20♊10	29♐28	6♏51	7♒25	20♐21	22♉ 8	21♉37	12♍23	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s50	27s16	3s45	6s 7	2n 8	24s27	2s 0	13s 8	0s 5	23n31	0s 2	23s40	0n 2	13s 5	0n20	19s32	0s49	24s20	1s 0	18n34	18n48	12n49		n.a.
M 2	13 11	26 31	4 31	5 46	2 18	24 39	2 2	13 24	0 5	23 31	0 2	23 40	0 2	13 6	0 20	19 32	0 49	24 20	1 0	18 34	18 47	12 46		n.a.
T 3	13 31	24 8	5 2	5 31	2 26	24 49	2 3	13 40	0 6	23 31	0 2	23 40	0 2	13 7	0 20	19 32	0 49	24 20	1 0	18 35	18 47	12 43		n.a.
W 4	13 52	20 16	5 15	5 22	2 31	24 59	2 5	13 55	0 7	23 31	0 1	23 41	0 2	13 9	0 20	19 32	0 49	24 21	1 1	18 34	18 46	12 40		n.a.
T 5	14 12	15 10	5 10	5 19	2 36	25 8	2 6	14 11	0 7	23 31	0 1	23 41	0 2	13 10	0 20	19 32	0 49	24 21	1 1	18 34	18 45	12 38		n.a.
F 6	14 32	9 10	4 45	5 21	2 38	25 17	2 7	14 26	0 8	23 31	0 1	23 41	0 2	13 11	0 20	19 32	0 49	24 21	1 1	18 34	18 44	12 35		n.a.
S 7	14 52	2 37	4 1	5 27	2 39	25 25	2 8	14 41	0 9	23 31	0 1	23 41	0 2	13 12	0 20	19 32	0 49	24 21	1 1	18 33	18 43	12 32		n.a.
S 8	15 11	4n 4	3 1	5 39	2 39	25 32	2 10	14 56	0 9	23 31	0 1	23 41	0 2	13 14	0 20	19 31	0 49	24 21	1 1	18 33	18 43	12 29		n.a.
M 9	15 31	10 31	1 50	5 53	2 37	25 38	2 11	15 11	0 10	23 31	0 1	23 42	0 2	13 15	0 20	19 31	0 49	24 22	1 1	18 33	18 42	12 26		n.a.
T 10	15 50	16 20	0 34	6 12	2 35	25 43	2 11	15 26	0 11	23 31	0 1	23 42	0 2	13 16	0 20	19 31	0 49	24 22	1 1	18 32	18 41	12 23		n.a.
W11	16 8	21 9	0n44	6 33	2 32	25 48	2 12	15 41	0 11	23 31	0 0	23 42	0 2	13 17	0 20	19 31	0 49	24 22	1 1	18 32	18 40	12 21		n.a.
T 12	16 27	24 41	1 57	6 57	2 28	25 52	2 13	15 55	0 12	23 30	0 0	23 42	0 2	13 19	0 20	19 31	0 49	24 22	1 1	18 33	18 39	12 18		n.a.
F 13	16 45	26 45	3 2	7 23	2 23	25 55	2 14	16 10	0 13	23 30	0 0	23 42	0 1	13 20	0 20	19 31	0 49	24 22	1 1	18 33	18 38	12 15		n.a.
S 14	17 3	27 17	3 55	7 51	2 18	25 58	2 14	16 24	0 13	23 30	0 0	23 43	0 1	13 21	0 20	19 30	0 49	24 23	1 1	18 33	18 38	12 12		n.a.
S 15	17 20	26 22	4 36	8 20	2 13	25 59	2 15	16 38	0 14	23 30	0n 0	23 43	0 1	13 22	0 20	19 30	0 49	24 23	1 1	18 33	18 37	12 9		n.a.
M16	17 37	24 12	5 3	8 51	2 7	26 0	2 15	16 52	0 14	23 30	0 0	23 43	0 1	13 24	0 20	19 30	0 49	24 23	1 1	18 33	18 36	12 6		n.a.
T 17	17 54	20 59	5 16	9 22	2 0	26 0	2 15	17 6	0 15	23 29	0 0	23 43	0 1	13 25	0 20	19 30	0 49	24 23	1 1	18 33	18 35	12 3		n.a.
W18	18 11	16 57	5 15	9 55	1 54	26 0	2 15	17 20	0 16	23 29	0 1	23 43	0 1	13 26	0 20	19 30	0 49	24 23	1 2	18 33	18 34	12 1		n.a.
T 19	18 27	12 18	5 1	10 28	1 47	25 58	2 16	17 33	0 16	23 29	0 1	23 43	0 1	13 27	0 20	19 29	0 49	24 24	1 2	18 33	18 34	11 58		n.a.
F 20	18 43	7 11	4 34	11 1	1 40	25 56	2 15	17 47	0 17	23 29	0 1	23 44	0 1	13 28	0 20	19 29	0 49	24 24	1 2	18 33	18 33	11 55		n.a.
S 21	18 59	1 47	3 55	11 35	1 33	25 53	2 15	18 0	0 18	23 28	0 1	23 44	0 1	13 30	0 20	19 29	0 49	24 24	1 2	18 33	18 32	11 52		n.a.
S 22	19 14	3s46	3 5	12 9	1 25	25 49	2 15	18 13	0 18	23 28	0 1	23 44	0 1	13 31	0 20	19 29	0 49	24 24	1 2	18 33	18 31	11 49		n.a.
M23	19 29	9 17	2 6	12 44	1 18	25 45	2 15	18 26	0 19	23 28	0 1	23 44	0 1	13 32	0 20	19 28	0 49	24 24	1 2	18 33	18 30	11 46		n.a.
T 24	19 43	14 32	0 59	13 18	1 11	25 40	2 14	18 39	0 20	23 27	0 1	23 44	0 1	13 33	0 20	19 28	0 49	24 25	1 2	18 33	18 29	11 43		n.a.
W25	19 57	19 16	0s12	13 52	1 3	25 34	2 14	18 51	0 20	23 27	0 2	23 44	0 1	13 34	0 20	19 28	0 48	24 25	1 2	18 33	18 29	11 40		n.a.
T 26	20 11	23 11	1 23	14 26	0 56	25 27	2 13	19 4	0 21	23 27	0 2	23 44	0 0	13 35	0 20	19 28	0 48	24 25	1 2	18 33	18 28	11 38		n.a.
F 27	20 25	25 56	2 31	15 0	0 48	25 20	2 12	19 16	0 22	23 26	0 2	23 45	0 0	13 37	0 20	19 27	0 48	24 25	1 2	18 33	18 27	11 35		n.a.
S 28	20 37	27 13	3 32	15 34	0 41	25 12	2 11	19 28	0 22	23 26	0 2	23 45	0 0	13 38	0 20	19 27	0 48	24 26	1 2	18 33	18 26	11 32		n.a.
S 29	20 50	26 51	4 22	16 7	0 33	25 3	2 10	19 40	0 23	23 26	0 2	23 45	0 0	13 39	0 20	19 27	0 48	24 26	1 2	18 33	18 25	11 29		n.a.
M30	21s 2	24s49	4s57	16s39	0n26	24s53	2s 9	19s52	0s23	23n25	0n 2	23s45	0n 0	13s40	0n20	19s26	0s48	24s26	1s 2	18n32	18n24	11n26		n.a.

Julian Day Number = 1555538.5, Delta T = 04h27m49s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'41, Lahiri = -10°13'41 Julian Calendar 1 Nov. 455 BCE == Greg. Calendar 27 Oct. 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 455 BCE
geocentric

DECEMBER 455 BCE (-454) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 15 48	4♐ 3'26	15♒55	18♏15	17♑22	26♏39	20°R 3	29♐35	6♏54	7♒26	20♐23	22°R 7	21♉34	12♍30	n.a.	T 1
W 2	4 19 44	5° 4'42	0♓ 2	19°43	18°33	27°25	19♊55	29°42	6°58	7°27	20°24	22°D 6	21°31	12°37	n.a.	W 2
T 3	4 23 41	6° 5'58	14°13	21°13	19°43	28°11	19°47	29°49	7° 1	7°28	20°26	22♉ 6	21°28	12°44	n.a.	T 3
F 4	4 27 37	7° 7'14	28°25	22°42	20°52	28°56	19°40	29°55	7° 5	7°30	20°28	22° 7	21°25	12°50	n.a.	F 4
S 5	4 31 34	8° 8'29	12♈36	24°13	22° 2	29°42	19°32	0♑ 2	7° 8	7°31	20°30	22° 8	21°22	12°57	n.a.	S 5
S 6	4 35 31	9° 9'43	26°44	25°43	23°12	0♐28	19°24	0° 9	7°11	7°32	20°32	22° 9	21°18	13° 4	n.a.	S 6
M 7	4 39 27	10°10'57	10♉45	27°14	24°21	1°14	19°16	0°16	7°14	7°34	20°34	22°10	21°15	13°10	n.a.	M 7
T 8	4 43 24	11°12'11	24°37	28°46	25°30	2° 0	19° 8	0°23	7°18	7°35	20°36	22°R11	21°12	13°17	n.a.	T 8
W 9	4 47 20	12°13'24	8♊16	0♐18	26°39	2°46	19° 0	0°30	7°21	7°37	20°38	22°10	21° 9	13°24	n.a.	W 9
T 10	4 51 17	13°14'36	21°41	1°50	27°48	3°32	18°52	0°37	7°24	7°38	20°40	22° 8	21° 6	13°31	n.a.	T 10
F 11	4 55 13	14°15'49	4♋50	3°23	28°57	4°18	18°44	0°44	7°27	7°40	20°42	22° 5	21° 2	13°37	n.a.	F 11
S 12	4 59 10	15°17'00	17°40	4°57	0♒ 5	5° 4	18°36	0°51	7°30	7°41	20°44	22° 1	20°59	13°44	n.a.	S 12
S 13	5 3 6	16°18'12	0♌14	6°31	1°14	5°50	18°28	0°58	7°34	7°43	20°46	21°57	20°56	13°51	n.a.	S 13
M14	5 7 3	17°19'23	12°32	8° 5	2°22	6°36	18°20	1° 5	7°37	7°44	20°48	21°53	20°53	13°57	n.a.	M14
T 15	5 11 0	18°20'33	24°38	9°40	3°30	7°22	18°12	1°12	7°40	7°46	20°50	21°50	20°50	14° 4	n.a.	T 15
W16	5 14 56	19°21'43	6♍34	11°15	4°38	8° 8	18° 4	1°19	7°43	7°48	20°52	21°48	20°47	14°11	n.a.	W16
T 17	5 18 53	20°22'53	18°26	12°51	5°46	8°55	17°56	1°26	7°46	7°49	20°54	21°D47	20°43	14°18	n.a.	T 17
F 18	5 22 49	21°24'02	0♎18	14°27	6°53	9°41	17°48	1°33	7°49	7°51	20°56	21°48	20°40	14°24	n.a.	F 18
S 19	5 26 46	22°25'10	12°16	16° 4	8° 0	10°27	17°40	1°40	7°51	7°53	20°58	21°49	20°37	14°31	n.a.	S 19
S 20	5 30 42	23°26'18	24°23	17°42	9° 7	11°13	17°32	1°47	7°54	7°54	21° 0	21°51	20°34	14°38	n.a.	S 20
M21	5 34 39	24°27'25	6♏45	19°20	10°14	12° 0	17°24	1°54	7°57	7°56	21° 2	21°52	20°31	14°44	n.a.	M21
T 22	5 38 36	25°28'32	19°25	20°58	11°20	12°46	17°16	2° 2	8° 0	7°58	21° 4	21°R53	20°28	14°51	n.a.	T 22
W23	5 42 32	26°29'38	2♐26	22°38	12°27	13°33	17° 8	2° 9	8° 3	8° 0	21° 6	21°53	20°24	14°58	n.a.	W23
T 24	5 46 29	27°30'43	15°49	24°17	13°33	14°19	17° 0	2°16	8° 6	8° 2	21° 8	21°51	20°21	15° 5	n.a.	T 24
F 25	5 50 25	28°31'47	29°32	25°58	14°39	15° 5	16°52	2°23	8° 8	8° 3	21°10	21°47	20°18	15°11	n.a.	F 25
S 26	5 54 22	29°32'50	13♑34	27°39	15°44	15°52	16°45	2°30	8°11	8° 5	21°12	21°41	20°15	15°18	n.a.	S 26
S 27	5 58 18	0♑33'52	27°49	29°21	16°49	16°38	16°37	2°37	8°14	8° 7	21°14	21°35	20°12	15°25	n.a.	S 27
M28	6 2 15	1°34'53	12♒12	1♑ 3	17°54	17°25	16°29	2°45	8°16	8° 9	21°16	21°28	20° 8	15°31	n.a.	M28
T 29	6 6 11	2°35'52	26°37	2°46	18°59	18°12	16°22	2°52	8°19	8°11	21°18	21°23	20° 5	15°38	n.a.	T 29
W30	6 10 8	3°36'50	11♓ 0	4°30	20° 4	18°58	16°15	2°59	8°21	8°13	21°20	21°19	20° 2	15°45	n.a.	W30
T 31	6 14 5	4♑37'46	25♓15	6♑15	21♒ 8	19♐45	16♊ 7	3♑ 6	8♏24	8♒15	21♐22	21♉16	19♉59	15♍52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s14	21s16	5s14	17s11	0n18	24s43	2s 8	20s 3	0s24	23n25	0n 3	23s45	0n 0	13s41	0n20	19s26	0s48	24s26	1s 3	18n32	18n24	11n23		n.a.
W 2	21 25	16 29	5 13	17 43	0 11	24 32	2 7	20 14	0 25	23 24	0 3	23 45	0s 0	13 42	0 20	19 26	0 48	24 26	1 3	18 32	18 23	11 20		n.a.
T 3	21 36	10 47	4 53	18 14	0 4	24 21	2 5	20 26	0 25	23 24	0 3	23 45	0 0	13 43	0 20	19 25	0 48	24 27	1 3	18 32	18 22	11 17		n.a.
F 4	21 47	4 32	4 15	18 44	0s 3	24 9	2 4	20 36	0 26	23 24	0 3	23 45	0 0	13 45	0 20	19 25	0 48	24 27	1 3	18 32	18 21	11 14		n.a.
S 5	21 57	1n57	3 22	19 14	0 10	23 56	2 2	20 47	0 27	23 23	0 3	23 45	0 0	13 46	0 20	19 25	0 48	24 27	1 3	18 32	18 20	11 11		n.a.
S 6	22 7	8 20	2 16	19 43	0 17	23 42	2 0	20 58	0 27	23 23	0 3	23 45	0 0	13 47	0 20	19 24	0 48	24 27	1 3	18 33	18 19	11 8		n.a.
M 7	22 16	14 15	1 3	20 11	0 24	23 28	1 58	21 8	0 28	23 22	0 3	23 45	0 0	13 48	0 20	19 24	0 48	24 28	1 3	18 33	18 18	11 5		n.a.
T 8	22 25	19 23	0n13	20 38	0 30	23 13	1 56	21 18	0 29	23 22	0 4	23 46	0 0	13 49	0 20	19 23	0 48	24 28	1 3	18 33	18 18	11 3		n.a.
W 9	22 33	23 25	1 28	21 5	0 37	22 58	1 54	21 28	0 29	23 21	0 4	23 46	0 1	13 50	0 20	19 23	0 48	24 28	1 3	18 33	18 17	11 0		n.a.
T 10	22 41	26 4	2 35	21 30	0 43	22 42	1 52	21 37	0 30	23 21	0 4	23 46	0 1	13 51	0 20	19 23	0 48	24 28	1 3	18 32	18 16	10 57		n.a.
F 11	22 49	27 13	3 34	21 55	0 49	22 25	1 49	21 47	0 30	23 20	0 4	23 46	0 1	13 52	0 20	19 22	0 48	24 28	1 3	18 32	18 15	10 54		n.a.
S 12	22 56	26 51	4 19	22 18	0 55	22 8	1 47	21 56	0 31	23 20	0 4	23 46	0 1	13 53	0 20	19 22	0 48	24 29	1 3	18 31	18 14	10 51		n.a.
S 13	23 2	25 6	4 51	22 41	1 1	21 50	1 44	22 5	0 32	23 19	0 4	23 46	0 1	13 54	0 20	19 21	0 48	24 29	1 4	18 30	18 13	10 48		n.a.
M14	23 8	22 12	5 9	23 2	1 7	21 32	1 41	22 13	0 32	23 18	0 5	23 46	0 1	13 55	0 20	19 21	0 48	24 29	1 4	18 29	18 13	10 45		n.a.
T 15	23 14	18 23	5 13	23 23	1 12	21 13	1 38	22 22	0 33	23 18	0 5	23 46	0 1	13 56	0 20	19 21	0 48	24 29	1 4	18 28	18 12	10 42		n.a.
W16	23 19	13 54	5 3	23 42	1 17	20 54	1 35	22 30	0 34	23 17	0 5	23 46	0 1	13 57	0 20	19 20	0 48	24 30	1 4	18 27	18 11	10 39		n.a.
T 17	23 24	8 55	4 40	24 0	1 22	20 34	1 32	22 38	0 34	23 17	0 5	23 46	0 1	13 58	0 20	19 20	0 48	24 30	1 4	18 27	18 10	10 36		n.a.
F 18	23 28	3 37	4 6	24 16	1 27	20 13	1 29	22 46	0 35	23 16	0 5	23 46	0 1	13 59	0 20	19 19	0 48	24 30	1 4	18 27	18 9	10 33		n.a.
S 19	23 32	1s51	3 20	24 32	1 32	19 53	1 25	22 53	0 35	23 16	0 5	23 46	0 1	14 0	0 20	19 19	0 48	24 30	1 4	18 27	18 8	10 30		n.a.
S 20	23 35	7 20	2 25	24 46	1 36	19 31	1 22	23 1	0 36	23 15	0 5	23 46	0 1	14 1	0 20	19 18	0 48	24 31	1 4	18 28	18 7	10 27		n.a.
M21	23 38	12 39	1 22	24 58	1 40	19 10	1 18	23 8	0 37	23 14	0 6	23 46	0 1	14 2	0 20	19 18	0 48	24 31	1 4	18 28	18 7	10 24		n.a.
T 22	23 40	17 36	0 13	25 10	1 43	18 48	1 14	23 14	0 37	23 14	0 6	23 46	0 2	14 3	0 20	19 17	0 48	24 31	1 4	18 29	18 6	10 21		n.a.
W23	23 42	21 51	0s57	25 19	1 47	18 25	1 11	23 21	0 38	23 13	0 6	23 46	0 2	14 4	0 20	19 17	0 48	24 31	1 4	18 28	18 5	10 18		n.a.
T 24	23 44	25 5	2 7	25 27	1 50	18 2	1 7	23 27	0 38	23 12	0 6	23 46	0 2	14 5	0 20	19 16	0 48	24 31	1 5	18 28	18 4	10 15		n.a.
F 25	23 45	26 55	3 10	25 34	1 53	17 39	1 2	23 33	0 39	23 12	0 6	23 46	0 2	14 5	0 20	19 16	0 48	24 32	1 5	18 27	18 3	10 12		n.a.
S 26	23 45	27 6	4 4	25 39	1 55	17 15	0 58	23 39	0 40	23 11	0 6	23 45	0 2	14 6	0 20	19 15	0 48	24 32	1 5	18 25	18 2	10 9		n.a.
S 27	23 45	25 30	4 43	25 42	1 57	16 51	0 54	23 44	0 40	23 11	0 6	23 45	0 2	14 7	0 20	19 15	0 48	24 32	1 5	18 24	18 1	10 6		n.a.
M28	23 45	22 14	5 5	25 44	1 59	16 27	0 49	23 49	0 41	23 10	0 7	23 45	0 2	14 8	0 20	19 14	0 48	24 32	1 5	18 22	18 1	10 3		n.a.
T 29	23 44	17 37	5 8	25 43	2 0	16 2	0 45	23 54	0 41	23 9	0 7	23 45	0 2	14 9	0 20	19 14	0 48	24 33	1 5	18 20	18 0	10 0		n.a.
W30	23 42	12 1	4 51	25 41	2 1	15 37	0 40	23 59	0 42	23 9	0 7	23 45	0 2	14 10	0 20	19 13	0 48	24 33	1 5	18 19	17 59	9 57		n.a.
T 31	23s40	5s50	4s17	25s37	2s 1	15s12	0s35	24s 3	0s43	23n 8	0n 7	23s45	0s 2	14s10	0n20	19s13	0s48	24s33	1s 5	18n19	17n58	9n54		n.a.

Julian Day Number = 1555568.5, Delta T = 04h27m48s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'37, Lahiri = -10°13'37 Julian Calendar 1 Dec. 455 BCE == Greg. Calendar 26 Nov. 455 BCE

The year -454 astronomical counting style corresponds to year 455 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

JANUARY 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 18 1	5♑38'41	9♈22	8♑ 0	22♒11	20♐31	16°R 0	3♑13	8♏26	8♒17	21♐24	21°D16	19♉56	15♍58	n.a.	F 1
S 2	6 21 58	6°39'34	23°18	9°46	23°15	21°18	15♊53	3°21	8°28	8°19	21°26	21♉17	19°53	16° 5	n.a.	S 2
S 3	6 25 54	7°40'26	7♉ 4	11°32	24°18	22° 5	15°46	3°28	8°31	8°21	21°28	21°18	19°49	16°12	n.a.	S 3
M 4	6 29 51	8°41'15	20°39	13°19	25°21	22°51	15°39	3°35	8°33	8°23	21°30	21°R19	19°46	16°18	n.a.	M 4
T 5	6 33 47	9°42'04	4♊ 4	15° 6	26°23	23°38	15°32	3°42	8°35	8°25	21°32	21°18	19°43	16°25	n.a.	T 5
W 6	6 37 44	10°42'51	17°17	16°54	27°25	24°25	15°25	3°49	8°38	8°27	21°34	21°15	19°40	16°32	n.a.	W 6
T 7	6 41 40	11°43'36	0♋20	18°43	28°27	25°12	15°19	3°56	8°40	8°29	21°35	21°10	19°37	16°39	n.a.	T 7
F 8	6 45 37	12°44'20	13°11	20°31	29°28	25°58	15°12	4° 3	8°42	8°31	21°37	21° 2	19°34	16°45	n.a.	F 8
S 9	6 49 34	13°45'02	25°49	22°20	0♓28	26°45	15° 6	4°11	8°44	8°33	21°39	20°52	19°30	16°52	n.a.	S 9
S 10	6 53 30	14°45'43	8♌15	24° 9	1°29	27°32	15° 0	4°18	8°46	8°35	21°41	20°42	19°27	16°59	n.a.	S 10
M11	6 57 27	15°46'22	20°29	25°58	2°29	28°19	14°54	4°25	8°48	8°37	21°43	20°31	19°24	17° 5	n.a.	M11
T 12	7 1 23	16°47'00	2♍32	27°46	3°28	29° 6	14°48	4°32	8°50	8°40	21°45	20°22	19°21	17°12	n.a.	T 12
W13	7 5 20	17°47'36	14°28	29°34	4°27	29°52	14°42	4°39	8°52	8°42	21°47	20°14	19°18	17°19	n.a.	W13
T 14	7 9 16	18°48'11	26°19	1♒21	5°25	0♑39	14°37	4°46	8°54	8°44	21°48	20° 9	19°14	17°26	n.a.	T 14
F 15	7 13 13	19°48'44	8♎10	3° 7	6°23	1°26	14°31	4°53	8°55	8°46	21°50	20° 6	19°11	17°32	n.a.	F 15
S 16	7 17 9	20°49'16	20° 5	4°51	7°20	2°13	14°26	5° 0	8°57	8°48	21°52	20°D 5	19° 8	17°39	n.a.	S 16
S 17	7 21 6	21°49'47	2♏ 9	6°33	8°17	3° 0	14°21	5° 7	8°59	8°50	21°54	20° 6	19° 5	17°46	n.a.	S 17
M18	7 25 3	22°50'16	14°29	8°13	9°13	3°47	14°16	5°14	9° 0	8°53	21°56	20°R 6	19° 2	17°52	n.a.	M18
T 19	7 28 59	23°50'44	27° 9	9°50	10° 9	4°34	14°11	5°21	9° 2	8°55	21°57	20° 6	18°59	17°59	n.a.	T 19
W20	7 32 56	24°51'10	10♐13	11°24	11° 4	5°21	14° 6	5°28	9° 4	8°57	21°59	20° 4	18°55	18° 6	n.a.	W20
T 21	7 36 52	25°51'35	23°44	12°53	11°59	6° 8	14° 2	5°35	9° 5	8°59	22° 1	20° 0	18°52	18°12	n.a.	T 21
F 22	7 40 49	26°51'58	7♑42	14°18	12°52	6°55	13°58	5°42	9° 7	9° 2	22° 3	19°53	18°49	18°19	n.a.	F 22
S 23	7 44 45	27°52'19	22° 3	15°38	13°45	7°42	13°54	5°49	9° 8	9° 4	22° 4	19°44	18°46	18°26	n.a.	S 23
S 24	7 48 42	28°52'39	6♒44	16°52	14°38	8°29	13°50	5°55	9° 9	9° 6	22° 6	19°33	18°43	18°33	n.a.	S 24
M25	7 52 39	29°52'56	21°35	17°59	15°30	9°16	13°46	6° 2	9°11	9° 8	22° 8	19°22	18°40	18°39	n.a.	M25
T 26	7 56 35	0♒53'12	6♓28	18°58	16°20	10° 3	13°42	6° 9	9°12	9°11	22° 9	19°12	18°36	18°46	n.a.	T 26
W27	8 0 32	1°53'25	21°14	19°51	17°11	10°50	13°39	6°16	9°13	9°13	22°11	19° 5	18°33	18°53	n.a.	W27
T 28	8 4 28	2°53'36	5♈47	20°34	18° 0	11°37	13°36	6°22	9°14	9°15	22°13	19° 0	18°30	18°59	n.a.	T 28
F 29	8 8 25	3°53'45	20° 3	21°10	18°48	12°24	13°33	6°29	9°15	9°17	22°14	18°57	18°27	19° 6	n.a.	F 29
S 30	8 12 21	4°53'51	3♉59	21°36	19°36	13°11	13°30	6°36	9°16	9°20	22°16	18°D56	18°24	19°13	n.a.	S 30
S 31	8 16 18	5♒53'56	17♉37	21♒53	20♓22	13♑58	13♊27	6♑42	9♏17	9♒22	22♐17	18°R56	18♉20	19♍20	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s38	0n36	3s27	25s32	2s 1	14s46	0s30	24s 7	0s43	23n 7	0n 7	23s45	0s 2	14s11	0n20	19s12	0s48	24s33	1s 5	18n19	17n57	9n51		n.a.
S 2	23 35	6 55	2 25	25 24	2 1	14 20	0 25	24 11	0 44	23 7	0 7	23 45	0 2	14 12	0 20	19 12	0 48	24 33	1 5	18 19	17 56	9 48		n.a.
S 3	23 32	12 51	1 16	25 14	2 0	13 54	0 19	24 15	0 44	23 6	0 7	23 45	0 2	14 13	0 20	19 11	0 48	24 34	1 5	18 19	17 55	9 45		n.a.
M 4	23 28	18 5	0 4	25 3	1 59	13 28	0 14	24 18	0 45	23 6	0 8	23 45	0 2	14 13	0 20	19 11	0 48	24 34	1 6	18 19	17 55	9 42		n.a.
T 5	23 23	22 21	1n 8	24 49	1 57	13 1	0 9	24 21	0 45	23 5	0 8	23 45	0 3	14 14	0 20	19 10	0 48	24 34	1 6	18 19	17 54	9 39		n.a.
W 6	23 19	25 23	2 15	24 33	1 54	12 34	0 3	24 24	0 46	23 4	0 8	23 44	0 3	14 15	0 20	19 10	0 48	24 34	1 6	18 18	17 53	9 36		n.a.
T 7	23 14	26 59	3 14	24 15	1 51	12 8	0n 3	24 26	0 46	23 4	0 8	23 44	0 3	14 16	0 20	19 9	0 48	24 35	1 6	18 17	17 52	9 33		n.a.
F 8	23 8	27 6	4 2	23 56	1 47	11 40	0 9	24 28	0 47	23 3	0 8	23 44	0 3	14 16	0 20	19 9	0 48	24 35	1 6	18 15	17 51	9 30		n.a.
S 9	23 2	25 47	4 37	23 34	1 43	11 13	0 15	24 30	0 48	23 3	0 8	23 44	0 3	14 17	0 20	19 8	0 48	24 35	1 6	18 12	17 50	9 27		n.a.
S 10	22 55	23 13	4 58	23 10	1 38	10 46	0 21	24 32	0 48	23 2	0 8	23 44	0 3	14 18	0 20	19 7	0 48	24 35	1 6	18 10	17 49	9 24		n.a.
M11	22 48	19 39	5 5	22 44	1 32	10 19	0 27	24 33	0 49	23 2	0 9	23 44	0 3	14 18	0 20	19 7	0 48	24 35	1 6	18 7	17 48	9 21		n.a.
T 12	22 41	15 19	4 58	22 17	1 26	9 51	0 33	24 34	0 49	23 1	0 9	23 43	0 3	14 19	0 20	19 6	0 48	24 36	1 6	18 4	17 48	9 18		n.a.
W13	22 33	10 28	4 38	21 47	1 18	9 23	0 40	24 35	0 50	23 0	0 9	23 43	0 3	14 19	0 20	19 6	0 48	24 36	1 6	18 2	17 47	9 15		n.a.
T 14	22 25	5 15	4 7	21 16	1 11	8 56	0 46	24 35	0 50	23 0	0 9	23 43	0 3	14 20	0 20	19 5	0 48	24 36	1 7	18 1	17 46	9 12		n.a.
F 15	22 16	0s 9	3 25	20 43	1 2	8 28	0 53	24 35	0 51	22 59	0 9	23 43	0 3	14 21	0 20	19 5	0 48	24 36	1 7	18 0	17 45	9 9		n.a.
S 16	22 7	5 35	2 33	20 9	0 52	8 0	1 0	24 35	0 51	22 59	0 9	23 43	0 3	14 21	0 20	19 4	0 48	24 37	1 7	18 0	17 44	9 6		n.a.
S 17	21 57	10 54	1 34	19 33	0 42	7 32	1 7	24 35	0 52	22 58	0 9	23 43	0 3	14 22	0 20	19 3	0 48	24 37	1 7	18 0	17 43	9 3		n.a.
M18	21 47	15 55	0 30	18 57	0 31	7 5	1 14	24 34	0 52	22 58	0 9	23 42	0 4	14 22	0 20	19 3	0 48	24 37	1 7	18 0	17 42	9 0		n.a.
T 19	21 37	20 23	0s38	18 20	0 20	6 37	1 21	24 33	0 53	22 58	0 10	23 42	0 4	14 23	0 20	19 2	0 48	24 37	1 7	18 0	17 41	8 57		n.a.
W20	21 26	24 0	1 45	17 42	0 7	6 9	1 28	24 32	0 53	22 57	0 10	23 42	0 4	14 23	0 20	19 2	0 48	24 37	1 7	17 59	17 41	8 54		n.a.
T 21	21 15	26 25	2 49	17 4	0n 6	5 42	1 35	24 30	0 54	22 57	0 10	23 42	0 4	14 24	0 20	19 1	0 48	24 38	1 7	17 58	17 40	8 50		n.a.
F 22	21 3	27 16	3 45	16 26	0 20	5 14	1 43	24 28	0 54	22 56	0 10	23 42	0 4	14 24	0 20	19 0	0 48	24 38	1 7	17 56	17 39	8 47		n.a.
S 23	20 51	26 19	4 28	15 49	0 34	4 46	1 50	24 26	0 55	22 56	0 10	23 41	0 4	14 25	0 20	19 0	0 48	24 38	1 8	17 54	17 38	8 44		n.a.
S 24	20 39	23 34	4 54	15 13	0 49	4 19	1 58	24 24	0 55	22 56	0 10	23 41	0 4	14 25	0 20	18 59	0 48	24 38	1 8	17 51	17 37	8 41		n.a.
M25	20 26	19 14	5 1	14 38	1 4	3 52	2 6	24 21	0 56	22 55	0 10	23 41	0 4	14 25	0 20	18 59	0 48	24 38	1 8	17 48	17 36	8 38		n.a.
T 26	20 13	13 42	4 48	14 5	1 19	3 25	2 14	24 18	0 56	22 55	0 10	23 41	0 4	14 26	0 20	18 58	0 48	24 39	1 8	17 45	17 35	8 35		n.a.
W27	20 0	7 26	4 16	13 34	1 35	2 58	2 22	24 15	0 57	22 55	0 11	23 40	0 4	14 26	0 20	18 57	0 48	24 39	1 8	17 43	17 34	8 32		n.a.
T 28	19 46	0 50	3 27	13 5	1 50	2 31	2 30	24 11	0 57	22 54	0 11	23 40	0 4	14 27	0 20	18 57	0 48	24 39	1 8	17 42	17 33	8 29		n.a.
F 29	19 32	5n41	2 27	12 39	2 5	2 4	2 38	24 7	0 58	22 54	0 11	23 40	0 4	14 27	0 20	18 56	0 48	24 39	1 8	17 41	17 33	8 26		n.a.
S 30	19 17	11 47	1 18	12 17	2 20	1 38	2 46	24 3	0 58	22 54	0 11	23 40	0 5	14 27	0 20	18 56	0 48	24 40	1 8	17 41	17 32	8 23		n.a.
S 31	19s 3	17n12	0s 7	11s58	2n35	1s12	2n54	23s59	0s59	22n54	0n11	23s39	0s 5	14s28	0n20	18s55	0s48	24s40	1s 8	17n41	17n31	8n20		n.a.

Julian Day Number = 1555599.5, Delta T = 04h27m46s
Ecliptic obliquity = 23°45'06, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'33, Lahiri = -10°13'33 Julian Calendar 1 Jan. 454 BCE == Greg. Calendar 27 Dec. 455 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

FEBRUARY 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 20 14	6♒53'58	0♊58	22°R 0	21♓ 8	14♑45	13°R25	6♑49	9♏18	9♒24	22♐19	18°R56	18♉17	19♍26	n.a.	M 1
T 2	8 24 11	7°53'57	14° 4	21♒58	21°53	15°32	13♊23	6°55	9°19	9°26	22°20	18♉54	18°14	19°33	n.a.	T 2
W 3	8 28 8	8°53'55	26°58	21°48	22°36	16°19	13°21	7° 2	9°20	9°29	22°22	18°49	18°11	19°40	n.a.	W 3
T 4	8 32 4	9°53'50	9♋40	21°28	23°19	17° 6	13°19	7° 8	9°21	9°31	22°23	18°41	18° 8	19°46	n.a.	T 4
F 5	8 36 1	10°53'43	22°12	21° 0	24° 0	17°53	13°17	7°15	9°21	9°33	22°25	18°31	18° 5	19°53	n.a.	F 5
S 6	8 39 57	11°53'34	4♌34	20°25	24°41	18°39	13°16	7°21	9°22	9°36	22°26	18°18	18° 1	20° 0	n.a.	S 6
S 7	8 43 54	12°53'23	16°48	19°43	25°20	19°26	13°15	7°28	9°23	9°38	22°28	18° 3	17°58	20° 6	n.a.	S 7
M 8	8 47 50	13°53'10	28°54	18°56	25°58	20°13	13°13	7°34	9°23	9°40	22°29	17°49	17°55	20°13	n.a.	M 8
T 9	8 51 47	14°52'54	10♍52	18° 4	26°34	21° 0	13°13	7°40	9°24	9°42	22°30	17°36	17°52	20°20	n.a.	T 9
W10	8 55 43	15°52'37	22°45	17°10	27° 9	21°47	13°12	7°46	9°24	9°45	22°32	17°25	17°49	20°27	n.a.	W10
T 11	8 59 40	16°52'17	4♎35	16°13	27°43	22°34	13°11	7°52	9°25	9°47	22°33	17°17	17°46	20°33	n.a.	T 11
F 12	9 3 36	17°51'56	16°25	15°15	28°15	23°21	13°11	7°58	9°25	9°49	22°34	17°11	17°42	20°40	n.a.	F 12
S 13	9 7 33	18°51'33	28°18	14°19	28°46	24° 8	13°D11	8° 4	9°25	9°51	22°36	17° 8	17°39	20°47	n.a.	S 13
S 14	9 11 30	19°51'08	10♏21	13°24	29°15	24°55	13°11	8°10	9°26	9°54	22°37	17° 8	17°36	20°53	n.a.	S 14
M15	9 15 26	20°50'41	22°38	12°32	29°43	25°42	13°11	8°16	9°26	9°56	22°38	17° 7	17°33	21° 0	n.a.	M15
T 16	9 19 23	21°50'12	5♐14	11°43	0♈ 9	26°29	13°12	8°22	9°26	9°58	22°39	17° 7	17°30	21° 7	n.a.	T 16
W17	9 23 19	22°49'41	18°14	10°59	0°33	27°16	13°13	8°28	9°26	10° 0	22°40	17° 5	17°26	21°13	n.a.	W17
T 18	9 27 16	23°49'09	1♑42	10°20	0°56	28° 3	13°13	8°34	9°R26	10° 3	22°42	17° 1	17°23	21°20	n.a.	T 18
F 19	9 31 12	24°48'35	15°41	9°47	1°16	28°50	13°15	8°40	9°26	10° 5	22°43	16°54	17°20	21°27	n.a.	F 19
S 20	9 35 9	25°47'58	0♒ 8	9°19	1°35	29°37	13°16	8°45	9°26	10° 7	22°44	16°45	17°17	21°34	n.a.	S 20
S 21	9 39 5	26°47'20	14°59	8°57	1°51	0♒24	13°17	8°51	9°26	10° 9	22°45	16°34	17°14	21°40	n.a.	S 21
M22	9 43 2	27°46'40	0♓ 6	8°42	2° 6	1°11	13°19	8°57	9°26	10°11	22°46	16°23	17°11	21°47	n.a.	M22
T 23	9 46 59	28°45'57	15°18	8°32	2°19	1°57	13°21	9° 2	9°25	10°14	22°47	16°12	17° 7	21°54	n.a.	T 23
W24	9 50 55	29°45'12	0♈26	8°D28	2°29	2°44	13°23	9° 7	9°25	10°16	22°48	16° 4	17° 4	22° 0	n.a.	W24
T 25	9 54 52	0♓44'24	15°19	8°29	2°37	3°31	13°25	9°13	9°25	10°18	22°49	15°58	17° 1	22° 7	n.a.	T 25
F 26	9 58 48	1°43'35	29°51	8°37	2°43	4°18	13°27	9°18	9°24	10°20	22°50	15°55	16°58	22°14	n.a.	F 26
S 27	10 2 45	2°42'42	13♉59	8°49	2°46	5° 5	13°30	9°23	9°24	10°22	22°51	15°D55	16°55	22°20	n.a.	S 27
S 28	10 6 41	3♓41'48	27♉42	9♒ 7	2°R47	5♒51	13♊33	9♑29	9♏23	10♒24	22♐52	15°R55	16♉51	22♍27	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s47	21n39	1n 3	11s42	2n48	0s46	3n 3	23s54	0s59	22n53	0n11	23s39	0s 5	14s28	0n20	18s54	0s48	24s40	1s 9	17n41	17n30	8n17		n.a.
T 2	18 32	24 55	2 9	11 31	3 1	0 20	3 11	23 49	0 59	22 53	0 11	23 39	0 5	14 28	0 20	18 54	0 48	24 40	1 9	17 40	17 29	8 13		n.a.
W 3	18 16	26 49	3 6	11 23	3 13	0n 5	3 20	23 44	1 0	22 53	0 11	23 39	0 5	14 28	0 20	18 53	0 48	24 40	1 9	17 39	17 28	8 10		n.a.
T 4	18 0	27 17	3 54	11 19	3 23	0 30	3 28	23 38	1 0	22 53	0 11	23 38	0 5	14 29	0 20	18 53	0 48	24 41	1 9	17 37	17 27	8 7		n.a.
F 5	17 44	26 19	4 29	11 20	3 32	0 54	3 37	23 33	1 1	22 53	0 11	23 38	0 5	14 29	0 20	18 52	0 48	24 41	1 9	17 34	17 26	8 4		n.a.
S 6	17 27	24 4	4 51	11 24	3 40	1 18	3 46	23 27	1 1	22 53	0 12	23 38	0 5	14 29	0 20	18 51	0 48	24 41	1 9	17 30	17 25	8 1		n.a.
S 7	17 10	20 45	4 59	11 32	3 45	1 42	3 55	23 20	1 2	22 53	0 12	23 37	0 5	14 29	0 20	18 51	0 48	24 41	1 9	17 26	17 25	7 58		n.a.
M 8	16 53	16 35	4 54	11 44	3 48	2 5	4 3	23 14	1 2	22 53	0 12	23 37	0 5	14 29	0 20	18 50	0 48	24 41	1 9	17 22	17 24	7 55		n.a.
T 9	16 35	11 49	4 36	11 58	3 50	2 28	4 12	23 7	1 2	22 53	0 12	23 37	0 5	14 30	0 20	18 50	0 48	24 42	1 9	17 18	17 23	7 52		n.a.
W10	16 17	6 39	4 5	12 15	3 49	2 50	4 21	23 0	1 3	22 53	0 12	23 37	0 5	14 30	0 20	18 49	0 48	24 42	1 10	17 15	17 22	7 49		n.a.
T 11	15 59	1 17	3 24	12 35	3 47	3 12	4 30	22 52	1 3	22 53	0 12	23 36	0 5	14 30	0 20	18 48	0 48	24 42	1 10	17 13	17 21	7 46		n.a.
F 12	15 41	4s10	2 35	12 56	3 42	3 33	4 39	22 45	1 4	22 53	0 12	23 36	0 6	14 30	0 20	18 48	0 48	24 42	1 10	17 11	17 20	7 42		n.a.
S 13	15 22	9 29	1 38	13 19	3 36	3 54	4 48	22 37	1 4	22 53	0 12	23 36	0 6	14 30	0 20	18 47	0 48	24 42	1 10	17 10	17 19	7 39		n.a.
S 14	15 3	14 33	0 36	13 42	3 28	4 14	4 57	22 29	1 4	22 53	0 12	23 35	0 6	14 30	0 20	18 47	0 48	24 42	1 10	17 10	17 18	7 36		n.a.
M15	14 44	19 8	0s29	14 6	3 18	4 33	5 6	22 20	1 5	22 53	0 12	23 35	0 6	14 30	0 20	18 46	0 48	24 43	1 10	17 10	17 17	7 33		n.a.
T 16	14 25	23 0	1 34	14 30	3 7	4 52	5 15	22 12	1 5	22 53	0 13	23 35	0 6	14 30	0 20	18 45	0 48	24 43	1 10	17 10	17 16	7 30		n.a.
W17	14 5	25 49	2 37	14 53	2 55	5 10	5 24	22 3	1 5	22 53	0 13	23 35	0 6	14 30	0 20	18 45	0 48	24 43	1 10	17 9	17 15	7 27		n.a.
T 18	13 45	27 17	3 32	15 16	2 42	5 27	5 33	21 54	1 6	22 54	0 13	23 34	0 6	14 30	0 20	18 44	0 48	24 43	1 10	17 8	17 15	7 24		n.a.
F 19	13 25	27 5	4 18	15 39	2 29	5 44	5 42	21 44	1 6	22 54	0 13	23 34	0 6	14 30	0 20	18 44	0 48	24 43	1 11	17 6	17 14	7 20		n.a.
S 20	13 5	25 4	4 48	16 0	2 15	5 59	5 51	21 35	1 6	22 54	0 13	23 34	0 6	14 30	0 20	18 43	0 48	24 44	1 11	17 4	17 13	7 17		n.a.
S 21	12 45	21 20	5 0	16 19	2 0	6 14	6 0	21 25	1 7	22 54	0 13	23 33	0 6	14 30	0 20	18 42	0 48	24 44	1 11	17 0	17 12	7 14		n.a.
M22	12 24	16 8	4 52	16 38	1 46	6 28	6 8	21 15	1 7	22 55	0 13	23 33	0 6	14 30	0 20	18 42	0 49	24 44	1 11	16 57	17 11	7 11		n.a.
T 23	12 3	9 54	4 23	16 54	1 31	6 40	6 17	21 5	1 7	22 55	0 13	23 33	0 6	14 30	0 20	18 41	0 49	24 44	1 11	16 54	17 10	7 8		n.a.
W24	11 42	3 7	3 36	17 10	1 16	6 52	6 25	20 54	1 8	22 55	0 13	23 33	0 7	14 30	0 20	18 41	0 49	24 44	1 11	16 52	17 9	7 5		n.a.
T 25	11 21	3n44	2 34	17 23	1 2	7 3	6 33	20 43	1 8	22 56	0 13	23 32	0 7	14 30	0 20	18 40	0 49	24 44	1 11	16 50	17 8	7 2		n.a.
F 26	11 0	10 15	1 24	17 35	0 47	7 12	6 41	20 32	1 8	22 56	0 13	23 32	0 7	14 30	0 20	18 40	0 49	24 45	1 11	16 49	17 7	6 58		n.a.
S 27	10 38	16 5	0 10	17 45	0 33	7 21	6 49	20 21	1 9	22 57	0 14	23 32	0 7	14 29	0 20	18 39	0 49	24 45	1 12	16 49	17 6	6 55		n.a.
S 28	10s17	20n55	1n 2	17s54	0n20	7n28	6n56	20s10	1s 9	22n57	0n14	23s31	0s 7	14s29	0n20	18s38	0s49	24s45	1s12	16n49	17n 5	6n52		n.a.

Julian Day Number = 1555630.5, Delta T = 04h27m45s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'29, Lahiri = -10°13'28 Julian Calendar 1 Feb. 454 BCE == Greg. Calendar 27 Jan. 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

MARCH 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 10 38	4♓40'51	11♊ 2	9♒29	2°R46	6♒38	13♊35	9♑34	9°R23	10♒26	22♐53	15°R55	16♉48	22♍34	n.a.	M 1
T 2	10 14 34	5°39'51	24° 2	9°57	2♈42	7°25	13°39	9°39	9♏22	10°29	22°53	15♉53	16°45	22°41	n.a.	T 2
W 3	10 18 31	6°38'50	6♋45	10°28	2°36	8°12	13°42	9°44	9°22	10°31	22°54	15°50	16°42	22°47	n.a.	W 3
T 4	10 22 28	7°37'45	19°14	11° 4	2°27	8°58	13°45	9°49	9°21	10°33	22°55	15°43	16°39	22°54	n.a.	T 4
F 5	10 26 24	8°36'39	1♌33	11°43	2°16	9°45	13°49	9°53	9°20	10°35	22°56	15°34	16°36	23° 1	n.a.	F 5
S 6	10 30 21	9°35'30	13°42	12°27	2° 2	10°31	13°53	9°58	9°19	10°37	22°57	15°23	16°32	23° 7	n.a.	S 6
S 7	10 34 17	10°34'19	25°45	13°14	1°46	11°18	13°57	10° 3	9°19	10°39	22°57	15°11	16°29	23°14	n.a.	S 7
M 8	10 38 14	11°33'06	7♍42	14° 4	1°27	12° 5	14° 1	10° 8	9°18	10°41	22°58	14°59	16°26	23°21	n.a.	M 8
T 9	10 42 10	12°31'50	19°36	14°58	1° 6	12°51	14° 5	10°12	9°17	10°43	22°59	14°48	16°23	23°27	n.a.	T 9
W10	10 46 7	13°30'32	1♎26	15°54	0°43	13°38	14°10	10°17	9°16	10°45	22°59	14°38	16°20	23°34	n.a.	W10
T 11	10 50 3	14°29'13	13°16	16°54	0°17	14°24	14°14	10°21	9°15	10°47	23° 0	14°31	16°17	23°41	n.a.	T 11
F 12	10 54 0	15°27'51	25° 8	17°56	29♓50	15°11	14°19	10°25	9°14	10°49	23° 0	14°27	16°13	23°47	n.a.	F 12
S 13	10 57 56	16°26'28	7♏ 4	19° 1	29°20	15°57	14°24	10°30	9°12	10°51	23° 1	14°25	16°10	23°54	n.a.	S 13
S 14	11 1 53	17°25'03	19° 8	20° 8	28°49	16°44	14°29	10°34	9°11	10°53	23° 1	14°D25	16° 7	24° 1	n.a.	S 14
M15	11 5 50	18°23'36	1♐26	21°18	28°16	17°30	14°35	10°38	9°10	10°55	23° 2	14°25	16° 4	24° 8	n.a.	M15
T 16	11 9 46	19°22'07	14° 0	22°30	27°42	18°16	14°40	10°42	9° 9	10°57	23° 2	14°R26	16° 1	24°14	n.a.	T 16
W17	11 13 43	20°20'37	26°57	23°44	27° 6	19° 3	14°46	10°46	9° 8	10°58	23° 3	14°26	15°57	24°21	n.a.	W17
T 18	11 17 39	21°19'05	10♑19	25° 1	26°30	19°49	14°51	10°50	9° 6	11° 0	23° 3	14°24	15°54	24°28	n.a.	T 18
F 19	11 21 36	22°17'31	24°10	26°20	25°53	20°35	14°57	10°54	9° 5	11° 2	23° 4	14°21	15°51	24°34	n.a.	F 19
S 20	11 25 32	23°15'55	8♒30	27°41	25°15	21°21	15° 3	10°57	9° 3	11° 4	23° 4	14°15	15°48	24°41	n.a.	S 20
S 21	11 29 29	24°14'18	23°15	29° 3	24°37	22° 8	15°10	11° 1	9° 2	11° 6	23° 4	14° 8	15°45	24°48	n.a.	S 21
M22	11 33 25	25°12'39	8♓21	0♓28	23°59	22°54	15°16	11° 4	9° 0	11° 7	23° 4	14° 0	15°42	24°54	n.a.	M22
T 23	11 37 22	26°10'58	23°36	1°55	23°21	23°40	15°23	11° 8	8°59	11° 9	23° 5	13°53	15°38	25° 1	n.a.	T 23
W24	11 41 19	27° 9'15	8♈52	3°23	22°44	24°26	15°29	11°11	8°57	11°11	23° 5	13°48	15°35	25° 8	n.a.	W24
T 25	11 45 15	28° 7'30	23°57	4°54	22° 7	25°12	15°36	11°15	8°56	11°13	23° 5	13°44	15°32	25°15	n.a.	T 25
F 26	11 49 12	29° 5'43	8♉42	6°26	21°31	25°58	15°43	11°18	8°54	11°14	23° 5	13°D43	15°29	25°21	n.a.	F 26
S 27	11 53 8	0♈ 3'54	23° 3	8° 1	20°57	26°44	15°50	11°21	8°52	11°16	23° 5	13°43	15°26	25°28	n.a.	S 27
S 28	11 57 5	1° 2'04	6♊56	9°37	20°24	27°30	15°57	11°24	8°50	11°18	23° 6	13°44	15°23	25°35	n.a.	S 28
M29	12 1 1	2° 0'11	20°24	11°14	19°52	28°16	16° 5	11°27	8°49	11°19	23° 6	13°45	15°19	25°41	n.a.	M29
T 30	12 4 58	2°58'16	3♋27	12°54	19°22	29° 2	16°12	11°30	8°47	11°21	23° 6	13°R46	15°16	25°48	n.a.	T 30
W31	12 8 54	3♈56'19	16♋ 9	14♓36	18♓54	29♒48	16♊20	11♑32	8♏45	11♒22	23°R 6	13♉45	15♉13	25♍55	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	9s55	24n31	2n 9	18s 0	0n 7	7n34	7n 3	19s58	1s 9	22n57	0n14	23s31	0s 7	14s29	0n20	18s38	0s49	24s45	1s12	16n49	17n 5	6n49			n.a.
T 2	9 33	26 44	3 8	18 5	0s 6	7 39	7 10	19 46	1 9	22 58	0 14	23 31	0 7	14 29	0 20	18 37	0 49	24 45	1 12	16 49	17 4	6 46			n.a.
W 3	9 11	27 30	3 55	18 8	0 18	7 42	7 16	19 34	1 10	22 58	0 14	23 31	0 7	14 29	0 20	18 37	0 49	24 46	1 12	16 47	17 3	6 43			n.a.
T 4	8 49	26 49	4 31	18 10	0 30	7 44	7 22	19 22	1 10	22 59	0 14	23 30	0 7	14 28	0 20	18 36	0 49	24 46	1 12	16 46	17 2	6 40			n.a.
F 5	8 27	24 50	4 53	18 9	0 41	7 44	7 28	19 10	1 10	22 59	0 14	23 30	0 7	14 28	0 20	18 36	0 49	24 46	1 12	16 43	17 1	6 36			n.a.
S 6	8 4	21 44	5 2	18 7	0 52	7 43	7 33	18 57	1 10	23 0	0 14	23 30	0 7	14 28	0 20	18 35	0 49	24 46	1 12	16 40	17 0	6 33			n.a.
S 7	7 42	17 45	4 57	18 4	1 2	7 41	7 37	18 45	1 11	23 0	0 14	23 29	0 8	14 28	0 20	18 35	0 49	24 46	1 13	16 36	16 59	6 30			n.a.
M 8	7 19	13 6	4 39	17 58	1 12	7 37	7 41	18 32	1 11	23 1	0 14	23 29	0 8	14 27	0 20	18 34	0 49	24 46	1 13	16 33	16 58	6 27			n.a.
T 9	6 57	7 59	4 9	17 51	1 21	7 32	7 44	18 18	1 11	23 2	0 14	23 29	0 8	14 27	0 20	18 33	0 49	24 47	1 13	16 29	16 57	6 24			n.a.
W10	6 34	2 36	3 28	17 42	1 30	7 24	7 47	18 5	1 11	23 2	0 14	23 29	0 8	14 27	0 20	18 33	0 49	24 47	1 13	16 26	16 56	6 20			n.a.
T 11	6 11	2s53	2 38	17 32	1 38	7 16	7 49	17 52	1 11	23 3	0 15	23 28	0 8	14 26	0 20	18 32	0 49	24 47	1 13	16 24	16 55	6 17			n.a.
F 12	5 48	8 17	1 41	17 20	1 45	7 6	7 50	17 38	1 12	23 4	0 15	23 28	0 8	14 26	0 20	18 32	0 49	24 47	1 13	16 23	16 54	6 14			n.a.
S 13	5 25	13 26	0 39	17 6	1 52	6 54	7 50	17 24	1 12	23 4	0 15	23 28	0 8	14 26	0 20	18 31	0 49	24 47	1 13	16 22	16 54	6 11			n.a.
S 14	5 2	18 9	0s25	16 50	1 59	6 41	7 50	17 10	1 12	23 5	0 15	23 28	0 8	14 25	0 20	18 31	0 49	24 47	1 13	16 22	16 53	6 8			n.a.
M15	4 39	22 11	1 30	16 33	2 5	6 27	7 49	16 56	1 12	23 6	0 15	23 27	0 8	14 25	0 20	18 30	0 49	24 47	1 14	16 22	16 52	6 5			n.a.
T 16	4 16	25 18	2 32	16 14	2 10	6 11	7 47	16 42	1 12	23 6	0 15	23 27	0 8	14 24	0 20	18 30	0 49	24 48	1 14	16 23	16 51	6 1			n.a.
W17	3 52	27 11	3 28	15 54	2 15	5 54	7 44	16 27	1 12	23 7	0 15	23 27	0 8	14 24	0 20	18 29	0 49	24 48	1 14	16 23	16 50	5 58			n.a.
T 18	3 29	27 35	4 15	15 31	2 19	5 36	7 40	16 13	1 13	23 8	0 15	23 27	0 9	14 24	0 20	18 29	0 49	24 48	1 14	16 22	16 49	5 55			n.a.
F 19	3 6	26 17	4 48	15 8	2 22	5 17	7 35	15 58	1 13	23 9	0 15	23 27	0 9	14 23	0 20	18 28	0 49	24 48	1 14	16 21	16 48	5 52			n.a.
S 20	2 42	23 17	5 5	14 42	2 25	4 57	7 30	15 43	1 13	23 9	0 15	23 26	0 9	14 23	0 20	18 28	0 49	24 48	1 14	16 19	16 47	5 49			n.a.
S 21	2 19	18 42	5 3	14 15	2 28	4 36	7 23	15 28	1 13	23 10	0 15	23 26	0 9	14 22	0 20	18 27	0 49	24 48	1 14	16 17	16 46	5 45			n.a.
M22	1 56	12 52	4 40	13 47	2 30	4 14	7 16	15 13	1 13	23 11	0 15	23 26	0 9	14 22	0 20	18 27	0 49	24 48	1 14	16 15	16 45	5 42			n.a.
T 23	1 32	6 11	3 57	13 17	2 31	3 52	7 8	14 57	1 13	23 12	0 15	23 26	0 9	14 21	0 20	18 27	0 49	24 49	1 15	16 13	16 44	5 39			n.a.
W24	1 9	0n51	2 57	12 45	2 32	3 29	6 59	14 42	1 13	23 12	0 16	23 26	0 9	14 21	0 20	18 26	0 49	24 49	1 15	16 11	16 43	5 36			n.a.
T 25	0 45	7 47	1 45	12 12	2 32	3 6	6 50	14 26	1 13	23 13	0 16	23 25	0 9	14 20	0 20	18 26	0 49	24 49	1 15	16 10	16 42	5 33			n.a.
F 26	0 22	14 10	0 27	11 37	2 32	2 42	6 40	14 11	1 14	23 14	0 16	23 25	0 9	14 20	0 20	18 25	0 49	24 49	1 15	16 10	16 41	5 29			n.a.
S 27	0n 2	19 35	0n50	11 1	2 31	2 19	6 29	13 55	1 14	23 15	0 16	23 25	0 9	14 19	0 21	18 25	0 49	24 49	1 15	16 10	16 40	5 26			n.a.
S 28	0 25	23 46	2 2	10 23	2 30	1 55	6 17	13 39	1 14	23 16	0 16	23 25	0 10	14 18	0 21	18 24	0 49	24 49	1 15	16 10	16 40	5 23			n.a.
M29	0 48	26 29	3 6	9 43	2 28	1 32	6 6	13 23	1 14	23 17	0 16	23 25	0 10	14 18	0 21	18 24	0 49	24 49	1 15	16 10	16 39	5 20			n.a.
T 30	1 12	27 39	3 57	9 2	2 26	1 9	5 53	13 7	1 14	23 17	0 16	23 25	0 10	14 17	0 21	18 23	0 49	24 50	1 15	16 11	16 38	5 16			n.a.
W31	1n35	27n19	4n35	8s20	2s23	0n46	5n41	12s50	1s14	23n18	0n16	23s24	0s10	14s17	0n21	18s23	0s49	24s50	1s16	16n10	16n37	5n13			n.a.

Julian Day Number = 1555658.5, Delta T = 04h27m44s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'25, Lahiri = -10°13'25 Julian Calendar 1 March 454 BCE == Greg. Calendar 24 Feb. 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

APRIL 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 12 51	4♈54'19	28♋34	16♓19	18°R28	0♓34	16♊28	11♑35	8°R43	11♒24	23°R 6	13°R43	15♉10	26♍ 1	n.a.	T 1
F 2	12 16 47	5°52'18	10♌46	18° 4	18♓ 4	1°19	16°35	11°38	8♏41	11°25	23♐ 6	13♉38	15° 7	26° 8	n.a.	F 2
S 3	12 20 44	6°50'15	22°49	19°51	17°42	2° 5	16°43	11°40	8°39	11°27	23° 6	13°33	15° 3	26°15	n.a.	S 3
S 4	12 24 41	7°48'10	4♍45	21°40	17°22	2°51	16°52	11°42	8°37	11°28	23° 5	13°27	15° 0	26°21	n.a.	S 4
M 5	12 28 37	8°46'03	16°37	23°31	17° 5	3°36	17° 0	11°45	8°35	11°30	23° 5	13°20	14°57	26°28	n.a.	M 5
T 6	12 32 34	9°43'55	28°27	25°23	16°50	4°22	17° 8	11°47	8°33	11°31	23° 5	13°14	14°54	26°35	n.a.	T 6
W 7	12 36 30	10°41'44	10♎18	27°18	16°38	5° 7	17°17	11°49	8°31	11°33	23° 5	13°10	14°51	26°41	n.a.	W 7
T 8	12 40 27	11°39'32	22°11	29°14	16°28	5°53	17°25	11°51	8°29	11°34	23° 5	13° 6	14°48	26°48	n.a.	T 8
F 9	12 44 23	12°37'19	4♏ 8	1♈12	16°20	6°38	17°34	11°53	8°27	11°35	23° 5	13° 4	14°44	26°55	n.a.	F 9
S 10	12 48 20	13°35'04	16°12	3°12	16°15	7°24	17°43	11°55	8°25	11°37	23° 4	13°D 4	14°41	27° 2	n.a.	S 10
S 11	12 52 16	14°32'48	28°25	5°13	16°13	8° 9	17°52	11°57	8°23	11°38	23° 4	13° 5	14°38	27° 8	n.a.	S 11
M12	12 56 13	15°30'30	10♐49	7°16	16°D12	8°54	18° 1	11°58	8°20	11°39	23° 4	13° 6	14°35	27°15	n.a.	M12
T 13	13 0 10	16°28'12	23°29	9°21	16°15	9°40	18°10	12° 0	8°18	11°40	23° 3	13° 8	14°32	27°22	n.a.	T 13
W14	13 4 6	17°25'52	6♑28	11°27	16°19	10°25	18°19	12° 1	8°16	11°41	23° 3	13° 9	14°28	27°28	n.a.	W14
T 15	13 8 3	18°23'31	19°48	13°35	16°26	11°10	18°28	12° 3	8°14	11°43	23° 2	13°R10	14°25	27°35	n.a.	T 15
F 16	13 11 59	19°21'09	3♒32	15°43	16°34	11°55	18°38	12° 4	8°11	11°44	23° 2	13° 9	14°22	27°42	n.a.	F 16
S 17	13 15 56	20°18'46	17°40	17°53	16°45	12°40	18°48	12° 5	8° 9	11°45	23° 2	13° 7	14°19	27°48	n.a.	S 17
S 18	13 19 52	21°16'21	2♓11	20° 3	16°59	13°25	18°57	12° 6	8° 7	11°46	23° 1	13° 5	14°16	27°55	n.a.	S 18
M19	13 23 49	22°13'56	17° 1	22°14	17°14	14°10	19° 7	12° 7	8° 4	11°47	23° 1	13° 2	14°13	28° 2	n.a.	M19
T 20	13 27 45	23°11'29	2♈ 4	24°26	17°31	14°55	19°17	12° 8	8° 2	11°48	23° 0	13° 0	14° 9	28° 8	n.a.	T 20
W21	13 31 42	24° 9'02	17°10	26°37	17°50	15°40	19°27	12° 9	8° 0	11°49	22°59	12°58	14° 6	28°15	n.a.	W21
T 22	13 35 39	25° 6'33	2♉11	28°48	18°10	16°25	19°37	12° 9	7°57	11°50	22°59	12°57	14° 3	28°22	n.a.	T 22
F 23	13 39 35	26° 4'03	16°58	0♊59	18°33	17° 9	19°47	12°10	7°55	11°51	22°58	12°D56	14° 0	28°28	n.a.	F 23
S 24	13 43 32	27° 1'31	1♋24	3° 9	18°57	17°54	19°57	12°10	7°52	11°52	22°58	12°57	13°57	28°35	n.a.	S 24
S 25	13 47 28	27°58'59	15°25	5°17	19°23	18°39	20° 8	12°11	7°50	11°53	22°57	12°58	13°54	28°42	n.a.	S 25
M26	13 51 25	28°56'25	29° 0	7°25	19°50	19°23	20°18	12°11	7°48	11°53	22°56	12°59	13°50	28°49	n.a.	M26
T 27	13 55 21	29°53'50	12♌10	9°31	20°19	20° 8	20°29	12°11	7°45	11°54	22°56	13° 0	13°47	28°55	n.a.	T 27
W28	13 59 18	0♊51'13	24°56	11°35	20°49	20°52	20°39	12°R11	7°43	11°55	22°55	13° 1	13°44	29° 2	n.a.	W28
T 29	14 3 14	1°48'35	7♍23	13°37	21°21	21°37	20°50	12°11	7°40	11°56	22°54	13°R 1	13°41	29° 9	n.a.	T 29
F 30	14 7 11	2♊45'56	19♍35	15♊38	21♓54	22♓21	21♊ 1	12♑11	7♏38	11♒56	22♐53	13♉ 0	13♉38	29♍15	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n58	25n36	5n 0	7s36	2s19	0n24	5n28	12s34	1s14	23n19	0n16	23s24	0s10	14s16	0n21	18s23	0s49	24s50	1s16	16n10	16n36	5n10		n.a.
F 2	2 22	22 43	5 10	6 51	2 15	0 2	5 15	12 18	1 14	23 20	0 16	23 24	0 10	14 15	0 21	18 22	0 50	24 50	1 16	16 8	16 35	5 7		n.a.
S 3	2 45	18 54	5 6	6 4	2 10	0s19	5 1	12 1	1 14	23 21	0 16	23 24	0 10	14 15	0 21	18 22	0 50	24 50	1 16	16 7	16 34	5 4		n.a.
S 4	3 8	14 22	4 49	5 15	2 5	0 39	4 48	11 44	1 14	23 22	0 16	23 24	0 10	14 14	0 21	18 22	0 50	24 50	1 16	16 5	16 33	5 0		n.a.
M 5	3 31	9 20	4 20	4 26	1 59	0 58	4 34	11 28	1 14	23 23	0 16	23 24	0 10	14 14	0 21	18 21	0 50	24 50	1 16	16 3	16 32	4 57		n.a.
T 6	3 54	3 58	3 39	3 35	1 53	1 16	4 20	11 11	1 14	23 24	0 16	23 24	0 10	14 13	0 21	18 21	0 50	24 50	1 16	16 1	16 31	4 54		n.a.
W 7	4 17	1s32	2 49	2 43	1 47	1 34	4 7	10 54	1 14	23 25	0 17	23 24	0 11	14 12	0 21	18 20	0 50	24 51	1 17	16 0	16 30	4 51		n.a.
T 8	4 40	7 1	1 52	1 49	1 39	1 50	3 53	10 37	1 14	23 25	0 17	23 24	0 11	14 12	0 21	18 20	0 50	24 51	1 17	15 59	16 29	4 47		n.a.
F 9	5 3	12 18	0 49	0 55	1 32	2 6	3 39	10 20	1 14	23 26	0 17	23 23	0 11	14 11	0 21	18 20	0 50	24 51	1 17	15 58	16 28	4 44		n.a.
S 10	5 26	17 10	0s17	0n 1	1 23	2 20	3 26	10 3	1 14	23 27	0 17	23 23	0 11	14 10	0 21	18 19	0 50	24 51	1 17	15 58	16 27	4 41		n.a.
S 11	5 48	21 25	1 23	0 57	1 15	2 34	3 12	9 46	1 14	23 28	0 17	23 23	0 11	14 9	0 21	18 19	0 50	24 51	1 17	15 58	16 26	4 38		n.a.
M12	6 11	24 47	2 26	1 55	1 6	2 46	2 59	9 28	1 14	23 29	0 17	23 23	0 11	14 9	0 21	18 19	0 50	24 51	1 17	15 59	16 25	4 34		n.a.
T 13	6 33	26 59	3 24	2 53	0 56	2 57	2 46	9 11	1 14	23 30	0 17	23 23	0 11	14 8	0 21	18 18	0 50	24 51	1 17	15 59	16 24	4 31		n.a.
W14	6 56	27 48	4 13	3 52	0 47	3 7	2 33	8 54	1 14	23 31	0 17	23 23	0 11	14 7	0 21	18 18	0 50	24 51	1 17	15 59	16 23	4 28		n.a.
T 15	7 18	27 2	4 49	4 52	0 37	3 16	2 21	8 36	1 14	23 32	0 17	23 23	0 11	14 7	0 21	18 18	0 50	24 51	1 18	16 0	16 22	4 25		n.a.
F 16	7 40	24 38	5 10	5 52	0 26	3 24	2 8	8 19	1 14	23 33	0 17	23 23	0 11	14 6	0 21	18 18	0 50	24 52	1 18	15 59	16 22	4 22		n.a.
S 17	8 2	20 42	5 14	6 51	0 16	3 31	1 56	8 1	1 13	23 33	0 17	23 23	0 12	14 5	0 21	18 17	0 50	24 52	1 18	15 59	16 21	4 18		n.a.
S 18	8 24	15 27	4 57	7 51	0 6	3 37	1 44	7 44	1 13	23 34	0 17	23 23	0 12	14 4	0 20	18 17	0 50	24 52	1 18	15 58	16 20	4 15		n.a.
M19	8 46	9 11	4 21	8 51	0n 5	3 41	1 33	7 26	1 13	23 35	0 17	23 23	0 12	14 4	0 20	18 17	0 50	24 52	1 18	15 57	16 19	4 12		n.a.
T 20	9 8	2 19	3 27	9 50	0 16	3 45	1 21	7 8	1 13	23 36	0 17	23 23	0 12	14 3	0 20	18 17	0 50	24 52	1 18	15 57	16 18	4 9		n.a.
W21	9 29	4n43	2 17	10 48	0 26	3 48	1 10	6 51	1 13	23 37	0 18	23 23	0 12	14 2	0 20	18 16	0 50	24 52	1 18	15 56	16 17	4 5		n.a.
T 22	9 50	11 28	0 59	11 45	0 36	3 50	0 59	6 33	1 13	23 38	0 18	23 23	0 12	14 1	0 20	18 16	0 50	24 52	1 18	15 56	16 16	4 2		n.a.
F 23	10 12	17 29	0n22	12 41	0 46	3 50	0 49	6 15	1 13	23 39	0 18	23 23	0 12	14 0	0 20	18 16	0 50	24 52	1 19	15 56	16 15	3 59		n.a.
S 24	10 33	22 21	1 40	13 36	0 56	3 50	0 39	5 57	1 13	23 40	0 18	23 23	0 12	14 0	0 20	18 16	0 50	24 52	1 19	15 56	16 14	3 55		n.a.
S 25	10 54	25 46	2 50	14 29	1 6	3 49	0 29	5 39	1 13	23 40	0 18	23 23	0 12	13 59	0 20	18 15	0 50	24 52	1 19	15 56	16 13	3 52		n.a.
M26	11 14	27 33	3 48	15 20	1 14	3 47	0 19	5 22	1 12	23 41	0 18	23 24	0 12	13 58	0 20	18 15	0 50	24 52	1 19	15 56	16 12	3 49		n.a.
T 27	11 35	27 42	4 32	16 9	1 23	3 44	0 10	5 4	1 12	23 42	0 18	23 24	0 13	13 57	0 20	18 15	0 50	24 53	1 19	15 57	16 11	3 46		n.a.
W28	11 55	26 21	5 1	16 57	1 31	3 40	0 1	4 46	1 12	23 43	0 18	23 24	0 13	13 56	0 20	18 15	0 50	24 53	1 19	15 57	16 10	3 42		n.a.
T 29	12 15	23 44	5 15	17 41	1 38	3 36	0s 8	4 28	1 12	23 44	0 18	23 24	0 13	13 56	0 20	18 15	0 51	24 53	1 19	15 57	16 9	3 39		n.a.
F 30	12n35	20n 6	5n14	18n24	1n45	3s30	0s16	4s10	1s12	23n45	0n18	23s24	0s13	13s55	0n20	18s15	0s51	24s53	1s19	15n57	16n 8	3n36		n.a.

Julian Day Number = 1555689.5, Delta T = 04h27m43s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'21, Lahiri = -10°13'20 Julian Calendar 1 Apr. 454 BCE == Greg. Calendar 27 March 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

MAY 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 11 8	3♉43'15	1♍35	17♉36	22♓28	23♓ 5	21♊11	12°R11	7°R35	11♒57	22°R52	12°R59	13♉34	29♍22	n.a.	S 1
S 2	14 15 4	4°40'33	13°28	19°31	23° 4	23°50	21°22	12♑11	7♏33	11°58	22♐52	12♉58	13°31	29°29	n.a.	S 2
M 3	14 19 1	5°37'50	25°18	21°25	23°41	24°34	21°33	12°10	7°30	11°58	22°51	12°57	13°28	29°35	n.a.	M 3
T 4	14 22 57	6°35'07	7♎ 9	23°15	24°19	25°18	21°44	12°10	7°28	11°59	22°50	12°56	13°25	29°42	n.a.	T 4
W 5	14 26 54	7°32'22	19° 2	25° 4	24°58	26° 2	21°56	12° 9	7°25	11°59	22°49	12°56	13°22	29°49	n.a.	W 5
T 6	14 30 50	8°29'36	1♏ 2	26°50	25°38	26°46	22° 7	12° 8	7°23	12° 0	22°48	12°55	13°19	29°55	n.a.	T 6
F 7	14 34 47	9°26'49	13° 8	28°33	26°19	27°30	22°18	12° 8	7°20	12° 0	22°47	12°D55	13°15	0♎ 2	n.a.	F 7
S 8	14 38 43	10°24'02	25°25	0♊13	27° 1	28°14	22°29	12° 7	7°18	12° 1	22°46	12°55	13°12	0° 9	n.a.	S 8
S 9	14 42 40	11°21'14	7♐52	1°51	27°45	28°58	22°41	12° 6	7°15	12° 1	22°45	12°55	13° 9	0°15	n.a.	S 9
M10	14 46 37	12°18'26	20°32	3°26	28°29	29°41	22°52	12° 5	7°13	12° 2	22°44	12°55	13° 6	0°22	n.a.	M10
T 11	14 50 33	13°15'37	3♑26	4°59	29°14	0♈25	23° 4	12° 4	7°11	12° 2	22°43	12°R55	13° 3	0°29	n.a.	T 11
W12	14 54 30	14°12'48	16°36	6°29	29°59	1° 9	23°16	12° 2	7° 8	12° 2	22°42	12°55	13° 0	0°35	n.a.	W12
T 13	14 58 26	15° 9'58	0♒ 2	7°56	0♈46	1°52	23°27	12° 1	7° 6	12° 3	22°41	12°55	12°56	0°42	n.a.	T 13
F 14	15 2 23	16° 7'09	13°45	9°20	1°34	2°36	23°39	12° 0	7° 3	12° 3	22°40	12°D55	12°53	0°49	n.a.	F 14
S 15	15 6 19	17° 4'18	27°45	10°42	2°22	3°19	23°51	11°58	7° 1	12° 3	22°39	12°55	12°50	0°56	n.a.	S 15
S 16	15 10 16	18° 1'28	12♓ 2	12° 1	3°11	4° 3	24° 3	11°56	6°58	12° 3	22°38	12°55	12°47	1° 2	n.a.	S 16
M17	15 14 12	18°58'38	26°33	13°16	4° 1	4°46	24°15	11°55	6°56	12° 4	22°37	12°56	12°44	1° 9	n.a.	M17
T 18	15 18 9	19°55'47	11♈13	14°29	4°51	5°29	24°27	11°53	6°54	12° 4	22°36	12°56	12°40	1°16	n.a.	T 18
W19	15 22 6	20°52'56	25°58	15°39	5°42	6°13	24°39	11°51	6°51	12° 4	22°34	12°57	12°37	1°22	n.a.	W19
T 20	15 26 2	21°50'05	10♉41	16°46	6°34	6°56	24°51	11°49	6°49	12° 4	22°33	12°R57	12°34	1°29	n.a.	T 20
F 21	15 29 59	22°47'14	25°15	17°50	7°26	7°39	25° 3	11°47	6°46	12°R 4	22°32	12°57	12°31	1°36	n.a.	F 21
S 22	15 33 55	23°44'22	9♊34	18°51	8°19	8°22	25°15	11°45	6°44	12° 4	22°31	12°56	12°28	1°42	n.a.	S 22
S 23	15 37 52	24°41'30	23°33	19°48	9°12	9° 5	25°27	11°42	6°42	12° 4	22°30	12°55	12°25	1°49	n.a.	S 23
M24	15 41 48	25°38'38	7♋ 9	20°42	10° 6	9°48	25°40	11°40	6°39	12° 4	22°28	12°54	12°21	1°56	n.a.	M24
T 25	15 45 45	26°35'46	20°21	21°32	11° 0	10°30	25°52	11°38	6°37	12° 4	22°27	12°52	12°18	2° 2	n.a.	T 25
W26	15 49 42	27°32'53	3♌11	22°19	11°55	11°13	26° 4	11°35	6°35	12° 4	22°26	12°50	12°15	2° 9	n.a.	W26
T 27	15 53 38	28°29'59	15°41	23° 2	12°51	11°56	26°17	11°33	6°33	12° 3	22°25	12°49	12°12	2°16	n.a.	T 27
F 28	15 57 35	29°27'05	27°54	23°41	13°46	12°38	26°29	11°30	6°30	12° 3	22°23	12°D49	12° 9	2°22	n.a.	F 28
S 29	16 1 31	0♊24'11	9♍54	24°17	14°43	13°21	26°42	11°27	6°28	12° 3	22°22	12°49	12° 6	2°29	n.a.	S 29
S 30	16 5 28	1°21'17	21°48	24°48	15°39	14° 3	26°54	11°24	6°26	12° 3	22°21	12°50	12° 2	2°36	n.a.	S 30
M31	16 9 24	2♊18'22	3♎38	25♊15	16♈37	14♈46	27♊ 7	11♑21	6♏24	12♒ 2	22♐19	12♉52	11♉59	2♎42	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12n55	15n43	5n 0	19n 4	1n51	3s24	0s25	3s52	1s11	23n45	0n18	23s24	0s13	13s54	0n20	18s14	0s51	24s53	1s20	15n56	16n 7	3n33		n.a.
S 2	13 15	10 46	4 33	19 42	1 56	3 17	0 33	3 34	1 11	23 46	0 18	23 24	0 13	13 53	0 20	18 14	0 51	24 53	1 20	15 56	16 6	3 29		n.a.
M 3	13 34	5 28	3 54	20 18	2 1	3 9	0 40	3 16	1 11	23 47	0 18	23 24	0 13	13 52	0 20	18 14	0 51	24 53	1 20	15 56	16 5	3 26		n.a.
T 4	13 53	0s 2	3 6	20 50	2 5	3 1	0 48	2 58	1 11	23 48	0 18	23 25	0 13	13 52	0 20	18 14	0 51	24 53	1 20	15 55	16 4	3 23		n.a.
W 5	14 12	5 34	2 9	21 21	2 8	2 52	0 55	2 40	1 11	23 49	0 18	23 25	0 13	13 51	0 20	18 14	0 51	24 53	1 20	15 55	16 3	3 20		n.a.
T 6	14 31	10 58	1 6	21 49	2 10	2 42	1 2	2 23	1 10	23 49	0 19	23 25	0 14	13 50	0 20	18 14	0 51	24 53	1 20	15 55	16 2	3 16		n.a.
F 7	14 50	16 0	0s 1	22 15	2 12	2 32	1 8	2 5	1 10	23 50	0 19	23 25	0 14	13 49	0 20	18 14	0 51	24 53	1 20	15 55	16 1	3 13		n.a.
S 8	15 8	20 29	1 9	22 38	2 13	2 20	1 15	1 47	1 10	23 51	0 19	23 25	0 14	13 48	0 20	18 14	0 51	24 53	1 20	15 55	16 0	3 10		n.a.
S 9	15 26	24 7	2 14	22 59	2 14	2 9	1 21	1 29	1 10	23 52	0 19	23 25	0 14	13 48	0 20	18 13	0 51	24 53	1 21	15 55	15 59	3 6		n.a.
M10	15 44	26 38	3 14	23 18	2 13	1 56	1 27	1 11	1 9	23 52	0 19	23 26	0 14	13 47	0 20	18 13	0 51	24 54	1 21	15 55	15 58	3 3		n.a.
T 11	16 1	27 47	4 5	23 34	2 12	1 43	1 33	0 53	1 9	23 53	0 19	23 26	0 14	13 46	0 20	18 13	0 51	24 54	1 21	15 55	15 57	3 0		n.a.
W12	16 19	27 24	4 44	23 48	2 10	1 30	1 38	0 35	1 9	23 54	0 19	23 26	0 14	13 45	0 20	18 13	0 51	24 54	1 21	15 55	15 56	2 57		n.a.
T 13	16 36	25 26	5 9	24 1	2 7	1 16	1 43	0 18	1 9	23 54	0 19	23 26	0 14	13 44	0 20	18 13	0 51	24 54	1 21	15 55	15 56	2 53		n.a.
F 14	16 53	21 58	5 17	24 11	2 4	1 1	1 48	0n 0	1 8	23 55	0 19	23 27	0 14	13 44	0 20	18 13	0 51	24 54	1 21	15 55	15 55	2 50		n.a.
S 15	17 9	17 12	5 7	24 19	2 0	0 46	1 53	0 18	1 8	23 56	0 19	23 27	0 15	13 43	0 20	18 13	0 51	24 54	1 21	15 55	15 54	2 47		n.a.
S 16	17 25	11 24	4 37	24 26	1 55	0 31	1 58	0 36	1 8	23 56	0 19	23 27	0 15	13 42	0 20	18 13	0 51	24 54	1 21	15 55	15 53	2 43		n.a.
M17	17 41	4 54	3 50	24 30	1 50	0 15	2 2	0 53	1 7	23 57	0 19	23 27	0 15	13 41	0 20	18 13	0 51	24 54	1 21	15 55	15 52	2 40		n.a.
T 18	17 57	1n56	2 47	24 33	1 43	0n 2	2 6	1 11	1 7	23 57	0 19	23 28	0 15	13 40	0 20	18 13	0 51	24 54	1 22	15 56	15 51	2 37		n.a.
W19	18 13	8 43	1 33	24 34	1 37	0 18	2 10	1 29	1 7	23 58	0 19	23 28	0 15	13 40	0 20	18 13	0 51	24 54	1 22	15 56	15 50	2 33		n.a.
T 20	18 28	15 1	0 13	24 34	1 29	0 36	2 14	1 46	1 6	23 59	0 20	23 28	0 15	13 39	0 20	18 13	0 51	24 54	1 22	15 56	15 49	2 30		n.a.
F 21	18 43	20 25	1n 8	24 32	1 21	0 53	2 17	2 4	1 6	23 59	0 20	23 28	0 15	13 38	0 20	18 13	0 51	24 54	1 22	15 56	15 48	2 27		n.a.
S 22	18 57	24 31	2 22	24 28	1 12	1 11	2 21	2 21	1 6	24 0	0 20	23 29	0 15	13 37	0 20	18 13	0 51	24 54	1 22	15 56	15 47	2 24		n.a.
S 23	19 11	27 2	3 26	24 24	1 3	1 29	2 24	2 39	1 5	24 0	0 20	23 29	0 15	13 37	0 20	18 13	0 51	24 54	1 22	15 55	15 46	2 20		n.a.
M24	19 25	27 50	4 17	24 18	0 53	1 48	2 27	2 56	1 5	24 1	0 20	23 29	0 16	13 36	0 20	18 13	0 52	24 54	1 22	15 55	15 45	2 17		n.a.
T 25	19 39	27 0	4 52	24 10	0 42	2 7	2 30	3 13	1 5	24 1	0 20	23 30	0 16	13 35	0 20	18 13	0 52	24 54	1 22	15 54	15 44	2 14		n.a.
W26	19 52	24 45	5 12	24 2	0 31	2 26	2 32	3 31	1 4	24 2	0 20	23 30	0 16	13 34	0 20	18 13	0 52	24 54	1 22	15 54	15 43	2 10		n.a.
T 27	20 5	21 21	5 16	23 53	0 19	2 46	2 35	3 48	1 4	24 2	0 20	23 30	0 16	13 34	0 20	18 14	0 52	24 54	1 23	15 53	15 42	2 7		n.a.
F 28	20 18	17 7	5 5	23 42	0 6	3 6	2 37	4 5	1 3	24 2	0 20	23 31	0 16	13 33	0 20	18 14	0 52	24 54	1 23	15 53	15 41	2 4		n.a.
S 29	20 30	12 17	4 42	23 31	0s 7	3 26	2 39	4 22	1 3	24 3	0 20	23 31	0 16	13 32	0 20	18 14	0 52	24 54	1 23	15 53	15 40	2 0		n.a.
S 30	20 42	7 3	4 6	23 19	0 20	3 46	2 41	4 39	1 3	24 3	0 20	23 31	0 16	13 31	0 20	18 14	0 52	24 54	1 23	15 54	15 39	1 57		n.a.
M31	20n54	1n35	3n20	23n 6	0s34	4n 7	2s43	4n56	1s 2	24n 4	0n20	23s32	0s16	13s31	0n20	18s14	0s52	24s54	1s23	15n54	15n38	1n54		n.a.

Julian Day Number = 1555719.5, Delta T = 04h27m42s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'17, Lahiri = -10°13'16 Julian Calendar 1 May 454 BCE == Greg. Calendar 26 Apr. 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

JUNE 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 13 21	3♊15'27	15♎30	25♊38	17♈34	15♈28	27♊19	11°R18	6°R22	12°R 2	22°R18	12♉53	11♉56	2♎49	n.a.	T 1
W 2	16 17 17	4°12'32	27°27	25°56	18°32	16°10	27°32	11♑15	6♏20	12♒ 2	22♐17	12°54	11°53	2°56	n.a.	W 2
T 3	16 21 14	5° 9'37	9♏33	26°10	19°31	16°52	27°45	11°12	6°18	12° 1	22°15	12°R55	11°50	3° 2	n.a.	T 3
F 4	16 25 11	6° 6'42	21°51	26°19	20°29	17°34	27°58	11° 9	6°16	12° 1	22°14	12°55	11°46	3° 9	n.a.	F 4
S 5	16 29 7	7° 3'48	4♐23	26°R23	21°29	18°16	28°10	11° 6	6°14	12° 0	22°12	12°53	11°43	3°16	n.a.	S 5
S 6	16 33 4	8° 0'53	17° 9	26°23	22°28	18°58	28°23	11° 2	6°12	12° 0	22°11	12°51	11°40	3°22	n.a.	S 6
M 7	16 37 0	8°57'59	0♑11	26°18	23°28	19°40	28°36	10°59	6°10	11°59	22°10	12°47	11°37	3°29	n.a.	M 7
T 8	16 40 57	9°55'05	13°27	26° 8	24°28	20°22	28°49	10°56	6° 8	11°59	22° 8	12°43	11°34	3°36	n.a.	T 8
W 9	16 44 53	10°52'12	26°56	25°54	25°29	21° 3	29° 2	10°52	6° 6	11°58	22° 7	12°39	11°31	3°42	n.a.	W 9
T 10	16 48 50	11°49'19	10♒38	25°35	26°30	21°45	29°15	10°48	6° 4	11°58	22° 5	12°36	11°27	3°49	n.a.	T 10
F 11	16 52 47	12°46'27	24°30	25°12	27°31	22°27	29°28	10°45	6° 2	11°57	22° 4	12°34	11°24	3°56	n.a.	F 11
S 12	16 56 43	13°43'36	8♓32	24°46	28°32	23° 8	29°41	10°41	6° 0	11°56	22° 3	12°D32	11°21	4° 3	n.a.	S 12
S 13	17 0 40	14°40'45	22°41	24°15	29°34	23°49	29°54	10°37	5°59	11°56	22° 1	12°32	11°18	4° 9	n.a.	S 13
M14	17 4 36	15°37'55	6♈56	23°41	0♉36	24°31	0♋ 7	10°34	5°57	11°55	22° 0	12°34	11°15	4°16	n.a.	M14
T 15	17 8 33	16°35'06	21°15	23° 5	1°38	25°12	0°20	10°30	5°55	11°54	21°58	12°35	11°12	4°23	n.a.	T 15
W16	17 12 29	17°32'17	5♉35	22°27	2°41	25°53	0°33	10°26	5°53	11°54	21°57	12°R36	11° 8	4°29	n.a.	W16
T 17	17 16 26	18°29'30	19°52	21°47	3°44	26°34	0°46	10°22	5°52	11°53	21°55	12°36	11° 5	4°36	n.a.	T 17
F 18	17 20 22	19°26'43	4♊ 3	21° 6	4°47	27°15	0°59	10°18	5°50	11°52	21°54	12°34	11° 2	4°43	n.a.	F 18
S 19	17 24 19	20°23'57	18° 3	20°24	5°50	27°56	1°12	10°14	5°49	11°51	21°53	12°31	10°59	4°49	n.a.	S 19
S 20	17 28 16	21°21'12	1♋48	19°44	6°54	28°37	1°25	10°10	5°47	11°50	21°51	12°26	10°56	4°56	n.a.	S 20
M21	17 32 12	22°18'28	15°16	19° 5	7°57	29°18	1°38	10° 6	5°46	11°49	21°50	12°20	10°52	5° 3	n.a.	M21
T 22	17 36 9	23°15'44	28°24	18°27	9° 1	29°58	1°52	10° 1	5°44	11°48	21°48	12°13	10°49	5° 9	n.a.	T 22
W23	17 40 5	24°13'01	11♌12	17°53	10° 6	0♉39	2° 5	9°57	5°43	11°47	21°47	12° 6	10°46	5°16	n.a.	W23
T 24	17 44 2	25°10'18	23°41	17°21	11°10	1°19	2°18	9°53	5°42	11°46	21°45	12° 1	10°43	5°23	n.a.	T 24
F 25	17 47 58	26° 7'36	5♍54	16°54	12°15	2° 0	2°31	9°49	5°40	11°45	21°44	11°57	10°40	5°29	n.a.	F 25
S 26	17 51 55	27° 4'54	17°55	16°31	13°20	2°40	2°44	9°44	5°39	11°44	21°42	11°55	10°37	5°36	n.a.	S 26
S 27	17 55 51	28° 2'13	29°48	16°13	14°25	3°20	2°58	9°40	5°38	11°43	21°41	11°D54	10°33	5°43	n.a.	S 27
M28	17 59 48	28°59'33	11♎38	16° 1	15°30	4° 0	3°11	9°36	5°37	11°42	21°40	11°55	10°30	5°49	n.a.	M28
T 29	18 3 45	29°56'53	23°30	15°54	16°35	4°40	3°24	9°31	5°36	11°41	21°38	11°56	10°27	5°56	n.a.	T 29
W30	18 7 41	0♋54'14	5♏30	15°D53	17♉41	5♉20	3♋37	9♑27	5♏35	11♒40	21♐37	11♉58	10♉24	6♎ 3	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 5	3s57	2n26	22n52	0s48	4n27	2s44	5n13	1s 2	24n 4	0n20	23s32	0s16	13s30	0n20	18s14	0s52	24s54	1s23	15n54	15n37	1n51		n.a.
W 2	21 16	9 24	1 24	22 38	1 3	4 48	2 46	5 30	1 1	24 4	0 21	23 33	0 17	13 29	0 20	18 14	0 52	24 54	1 23	15 55	15 36	1 47		n.a.
T 3	21 26	14 34	0 19	22 24	1 18	5 9	2 47	5 47	1 1	24 5	0 21	23 33	0 17	13 29	0 20	18 14	0 52	24 55	1 23	15 55	15 35	1 44		n.a.
F 4	21 37	19 15	0s49	22 9	1 33	5 31	2 48	6 3	1 0	24 5	0 21	23 33	0 17	13 28	0 20	18 15	0 52	24 55	1 23	15 55	15 34	1 41		n.a.
S 5	21 46	23 11	1 55	21 53	1 49	5 52	2 49	6 20	1 0	24 5	0 21	23 34	0 17	13 27	0 20	18 15	0 52	24 55	1 24	15 55	15 33	1 37		n.a.
S 6	21 56	26 4	2 57	21 38	2 4	6 14	2 50	6 36	1 0	24 5	0 21	23 34	0 17	13 27	0 20	18 15	0 52	24 55	1 24	15 54	15 32	1 34		n.a.
M 7	22 5	27 36	3 51	21 22	2 20	6 35	2 51	6 53	0 59	24 6	0 21	23 34	0 17	13 26	0 20	18 15	0 52	24 55	1 24	15 53	15 31	1 31		n.a.
T 8	22 14	27 35	4 33	21 7	2 35	6 57	2 51	7 9	0 59	24 6	0 21	23 35	0 17	13 26	0 20	18 15	0 52	24 55	1 24	15 52	15 30	1 27		n.a.
W 9	22 22	25 58	5 1	20 52	2 50	7 19	2 52	7 25	0 58	24 6	0 21	23 35	0 17	13 25	0 20	18 15	0 52	24 55	1 24	15 50	15 29	1 24		n.a.
T 10	22 30	22 48	5 13	20 36	3 4	7 41	2 52	7 42	0 58	24 6	0 21	23 36	0 17	13 24	0 20	18 16	0 52	24 55	1 24	15 49	15 28	1 21		n.a.
F 11	22 38	18 19	5 6	20 21	3 18	8 3	2 52	7 58	0 57	24 6	0 21	23 36	0 17	13 24	0 20	18 16	0 52	24 55	1 24	15 48	15 27	1 17		n.a.
S 12	22 45	12 49	4 41	20 7	3 32	8 25	2 52	8 14	0 57	24 6	0 21	23 36	0 18	13 23	0 20	18 16	0 52	24 55	1 24	15 48	15 26	1 14		n.a.
S 13	22 52	6 36	3 59	19 53	3 44	8 47	2 52	8 30	0 56	24 7	0 21	23 37	0 18	13 23	0 20	18 16	0 52	24 55	1 24	15 48	15 25	1 11		n.a.
M14	22 58	0 0	3 2	19 40	3 56	9 9	2 52	8 45	0 56	24 7	0 22	23 37	0 18	13 22	0 20	18 17	0 52	24 55	1 24	15 48	15 24	1 7		n.a.
T 15	23 4	6n38	1 54	19 28	4 7	9 31	2 51	9 1	0 55	24 7	0 22	23 38	0 18	13 21	0 20	18 17	0 52	24 55	1 25	15 49	15 23	1 4		n.a.
W16	23 10	12 57	0 38	19 17	4 16	9 53	2 51	9 17	0 55	24 7	0 22	23 38	0 18	13 21	0 20	18 17	0 52	24 55	1 25	15 49	15 22	1 1		n.a.
T 17	23 15	18 34	0n40	19 6	4 24	10 15	2 50	9 32	0 54	24 7	0 22	23 39	0 18	13 20	0 20	18 17	0 52	24 55	1 25	15 49	15 21	0 57		n.a.
F 18	23 20	23 6	1 54	18 57	4 30	10 37	2 50	9 48	0 54	24 7	0 22	23 39	0 18	13 20	0 20	18 18	0 52	24 55	1 25	15 49	15 20	0 54		n.a.
S 19	23 24	26 12	3 1	18 50	4 35	10 59	2 49	10 3	0 53	24 7	0 22	23 39	0 18	13 19	0 20	18 18	0 53	24 55	1 25	15 48	15 19	0 51		n.a.
S 20	23 28	27 40	3 56	18 44	4 38	11 21	2 48	10 18	0 52	24 7	0 22	23 40	0 18	13 19	0 20	18 18	0 53	24 55	1 25	15 46	15 18	0 47		n.a.
M21	23 32	27 26	4 36	18 39	4 40	11 43	2 47	10 34	0 52	24 7	0 22	23 40	0 19	13 18	0 20	18 18	0 53	24 55	1 25	15 44	15 17	0 44		n.a.
T 22	23 35	25 39	5 0	18 36	4 39	12 5	2 46	10 49	0 51	24 7	0 22	23 41	0 19	13 18	0 20	18 19	0 53	24 55	1 25	15 42	15 16	0 41		n.a.
W23	23 37	22 35	5 9	18 35	4 37	12 26	2 44	11 3	0 51	24 6	0 22	23 41	0 19	13 18	0 20	18 19	0 53	24 55	1 25	15 40	15 15	0 37		n.a.
T 24	23 40	18 33	5 3	18 36	4 34	12 48	2 43	11 18	0 50	24 6	0 22	23 42	0 19	13 17	0 20	18 19	0 53	24 55	1 25	15 38	15 14	0 34		n.a.
F 25	23 42	13 50	4 43	18 38	4 29	13 9	2 42	11 33	0 50	24 6	0 23	23 42	0 19	13 17	0 20	18 20	0 53	24 55	1 25	15 37	15 13	0 31		n.a.
S 26	23 43	8 40	4 11	18 42	4 22	13 30	2 40	11 47	0 49	24 6	0 23	23 42	0 19	13 16	0 20	18 20	0 53	24 55	1 26	15 37	15 12	0 27		n.a.
S 27	23 44	3 15	3 28	18 49	4 14	13 51	2 38	12 2	0 48	24 6	0 23	23 43	0 19	13 16	0 19	18 20	0 53	24 55	1 26	15 36	15 11	0 24		n.a.
M28	23 45	2s16	2 36	18 56	4 5	14 12	2 37	12 16	0 48	24 6	0 23	23 43	0 19	13 16	0 19	18 21	0 53	24 55	1 26	15 37	15 10	0 21		n.a.
T 29	23 45	7 44	1 38	19 6	3 55	14 32	2 35	12 30	0 47	24 5	0 23	23 44	0 19	13 15	0 19	18 21	0 53	24 55	1 26	15 37	15 9	0 17		n.a.
W30	23n45	12s59	0n35	19n17	3s44	14n53	2s33	12n45	0s47	24n 5	0n23	23s44	0s19	13s15	0n19	18s21	0s53	24s55	1s26	15n37	15n 8	0n14		n.a.

Julian Day Number = 1555750.5, Delta T = 04h27m40s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'12, Lahiri = -10°13'12 Julian Calendar 1 June 454 BCE == Greg. Calendar 27 May 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

JULY 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 11 38	1♋51'36	17♏42	15♊58	18♉47	6♉ 0	3♋51	9°R22	5°R34	11°R39	21°R35	11°R58	10♉21	6♎ 9	n.a.	T 1
F 2	18 15 34	2°48'59	0♐ 9	16°10	19°53	6°40	4° 4	9♑18	5♏33	11♒38	21♐34	11♉56	10°18	6°16	n.a.	F 2
S 3	18 19 31	3°46'23	12°55	16°28	20°59	7°20	4°17	9°13	5°32	11°36	21°33	11°52	10°14	6°23	n.a.	S 3
S 4	18 23 27	4°43'48	26° 0	16°53	22° 5	7°59	4°30	9° 9	5°31	11°35	21°31	11°46	10°11	6°29	n.a.	S 4
M 5	18 27 24	5°41'14	9♑24	17°24	23°12	8°39	4°44	9° 4	5°30	11°34	21°30	11°38	10° 8	6°36	n.a.	M 5
T 6	18 31 21	6°38'42	23° 5	18° 1	24°18	9°18	4°57	9° 0	5°29	11°33	21°28	11°30	10° 5	6°43	n.a.	T 6
W 7	18 35 17	7°36'10	7♒ 1	18°46	25°25	9°58	5°10	8°55	5°29	11°31	21°27	11°21	10° 2	6°49	n.a.	W 7
T 8	18 39 14	8°33'40	21° 6	19°36	26°32	10°37	5°23	8°51	5°28	11°30	21°26	11°13	9°58	6°56	n.a.	T 8
F 9	18 43 10	9°31'12	5♓17	20°33	27°40	11°16	5°36	8°46	5°27	11°29	21°24	11° 6	9°55	7° 3	n.a.	F 9
S 10	18 47 7	10°28'44	19°30	21°36	28°47	11°55	5°50	8°42	5°27	11°27	21°23	11° 2	9°52	7° 9	n.a.	S 10
S 11	18 51 3	11°26'19	3♈42	22°45	29°54	12°34	6° 3	8°37	5°26	11°26	21°22	11° 1	9°49	7°16	n.a.	S 11
M12	18 55 0	12°23'55	17°51	23°59	1♊ 2	13°13	6°16	8°33	5°26	11°25	21°20	11°D 1	9°46	7°23	n.a.	M12
T 13	18 58 56	13°21'32	1♉56	25°19	2°10	13°51	6°29	8°29	5°25	11°23	21°19	11° 1	9°43	7°29	n.a.	T 13
W14	19 2 53	14°19'12	15°55	26°45	3°18	14°30	6°43	8°24	5°25	11°22	21°18	11°R 1	9°39	7°36	n.a.	W14
T 15	19 6 50	15°16'53	29°48	28°15	4°26	15° 9	6°56	8°20	5°24	11°20	21°16	11° 0	9°36	7°43	n.a.	T 15
F 16	19 10 46	16°14'36	13♊33	29°50	5°34	15°47	7° 9	8°15	5°24	11°19	21°15	10°56	9°33	7°49	n.a.	F 16
S 17	19 14 43	17°12'21	27° 9	1♋29	6°43	16°26	7°22	8°11	5°24	11°17	21°14	10°50	9°30	7°56	n.a.	S 17
S 18	19 18 39	18°10'07	10♋34	3°11	7°51	17° 4	7°35	8° 6	5°24	11°16	21°13	10°41	9°27	8° 3	n.a.	S 18
M19	19 22 36	19° 7'55	23°45	4°58	9° 0	17°42	7°48	8° 2	5°24	11°15	21°11	10°30	9°24	8° 9	n.a.	M19
T 20	19 26 32	20° 5'44	6♌40	6°47	10° 8	18°20	8° 1	7°58	5°24	11°13	21°10	10°18	9°20	8°16	n.a.	T 20
W21	19 30 29	21° 3'35	19°19	8°38	11°17	18°58	8°14	7°53	5°D24	11°12	21° 9	10° 6	9°17	8°23	n.a.	W21
T 22	19 34 25	22° 1'27	1♍43	10°32	12°26	19°36	8°28	7°49	5°24	11°10	21° 8	9°56	9°14	8°29	n.a.	T 22
F 23	19 38 22	22°59'20	13°53	12°28	13°36	20°13	8°41	7°45	5°24	11° 8	21° 6	9°48	9°11	8°36	n.a.	F 23
S 24	19 42 19	23°57'15	25°51	14°25	14°45	20°51	8°54	7°40	5°24	11° 7	21° 5	9°42	9° 8	8°43	n.a.	S 24
S 25	19 46 15	24°55'12	7♎42	16°23	15°54	21°28	9° 7	7°36	5°24	11° 5	21° 4	9°39	9° 4	8°49	n.a.	S 25
M26	19 50 12	25°53'09	19°31	18°21	17° 4	22° 6	9°20	7°32	5°24	11° 4	21° 3	9°37	9° 1	8°56	n.a.	M26
T 27	19 54 8	26°51'09	1♏22	20°20	18°13	22°43	9°32	7°28	5°24	11° 2	21° 2	9°D37	8°58	9° 3	n.a.	T 27
W28	19 58 5	27°49'09	13°22	22°19	19°23	23°20	9°45	7°24	5°25	11° 1	21° 1	9°R37	8°55	9° 9	n.a.	W28
T 29	20 2 1	28°47'12	25°35	24°18	20°33	23°57	9°58	7°20	5°25	10°59	21° 0	9°36	8°52	9°16	n.a.	T 29
F 30	20 5 58	29°45'16	8♐ 6	26°16	21°43	24°34	10°11	7°16	5°26	10°57	20°59	9°34	8°49	9°23	n.a.	F 30
S 31	20 9 54	0♌43'21	21♐ 0	28♋14	22♊53	25♉11	10♋24	7♑12	5♏26	10♒56	20♐58	9♉28	8♉45	9♎29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n44	17s49	0s31	19n30	3s31	15n13	2s31	12n59	0s46	24n 5	0n23	23s44	0s20	13s15	0n19	18s22	0s53	24s55	1s26	15n37	15n 7	0n11			n.a.
F 2	23 43	22 1	1 36	19 44	3 18	15 33	2 29	13 12	0 45	24 4	0 23	23 45	0 20	13 14	0 19	18 22	0 53	24 55	1 26	15 37	15 6	0 7			n.a.
S 3	23 42	25 16	2 38	20 0	3 4	15 53	2 27	13 26	0 45	24 4	0 23	23 45	0 20	13 14	0 19	18 22	0 53	24 55	1 26	15 36	15 5	0 4			n.a.
S 4	23 40	27 15	3 34	20 17	2 50	16 12	2 25	13 40	0 44	24 4	0 23	23 46	0 20	13 14	0 19	18 23	0 53	24 55	1 26	15 34	15 4	0 1			n.a.
M 5	23 38	27 43	4 19	20 34	2 35	16 31	2 22	13 53	0 43	24 3	0 23	23 46	0 20	13 13	0 19	18 23	0 53	24 55	1 26	15 31	15 3	0s 3			n.a.
T 6	23 35	26 30	4 50	20 53	2 20	16 50	2 20	14 6	0 43	24 3	0 24	23 46	0 20	13 13	0 19	18 24	0 53	24 55	1 26	15 29	15 2	0 6			n.a.
W 7	23 32	23 39	5 4	21 12	2 5	17 9	2 17	14 20	0 42	24 3	0 24	23 47	0 20	13 13	0 19	18 24	0 53	24 55	1 27	15 26	15 1	0 9			n.a.
T 8	23 28	19 23	5 1	21 31	1 49	17 27	2 15	14 33	0 41	24 2	0 24	23 47	0 20	13 13	0 19	18 24	0 53	24 55	1 27	15 23	15 0	0 13			n.a.
F 9	23 24	14 0	4 39	21 51	1 34	17 45	2 12	14 46	0 41	24 2	0 24	23 48	0 20	13 13	0 19	18 25	0 53	24 55	1 27	15 21	14 59	0 16			n.a.
S 10	23 20	7 52	3 59	22 10	1 19	18 2	2 10	14 59	0 40	24 1	0 24	23 48	0 20	13 12	0 19	18 25	0 53	24 55	1 27	15 20	14 58	0 19			n.a.
S 11	23 15	1 20	3 5	22 30	1 4	18 20	2 7	15 11	0 39	24 1	0 24	23 48	0 20	13 12	0 19	18 26	0 53	24 55	1 27	15 20	14 57	0 23			n.a.
M12	23 10	5n14	2 0	22 48	0 49	18 36	2 4	15 24	0 39	24 0	0 24	23 49	0 21	13 12	0 19	18 26	0 53	24 55	1 27	15 19	14 56	0 26			n.a.
T 13	23 4	11 33	0 48	23 6	0 34	18 53	2 1	15 36	0 38	24 0	0 24	23 49	0 21	13 12	0 19	18 26	0 53	24 55	1 27	15 20	14 55	0 29			n.a.
W14	22 58	17 14	0n26	23 23	0 20	19 9	1 59	15 49	0 37	23 59	0 24	23 50	0 21	13 12	0 19	18 27	0 53	24 55	1 27	15 20	14 54	0 33			n.a.
T 15	22 52	21 58	1 38	23 38	0 6	19 25	1 56	16 1	0 36	23 59	0 24	23 50	0 21	13 12	0 19	18 27	0 53	24 55	1 27	15 19	14 53	0 36			n.a.
F 16	22 45	25 26	2 44	23 52	0n 7	19 40	1 53	16 13	0 36	23 58	0 25	23 50	0 21	13 12	0 19	18 28	0 53	24 55	1 27	15 18	14 52	0 39			n.a.
S 17	22 38	27 23	3 39	24 3	0 19	19 55	1 50	16 25	0 35	23 57	0 25	23 51	0 21	13 12	0 19	18 28	0 53	24 55	1 27	15 16	14 51	0 43			n.a.
S 18	22 30	27 40	4 22	24 13	0 31	20 9	1 47	16 36	0 34	23 57	0 25	23 51	0 21	13 12	0 19	18 29	0 53	24 55	1 27	15 13	14 50	0 46			n.a.
M19	22 22	26 23	4 49	24 21	0 41	20 23	1 44	16 48	0 33	23 56	0 25	23 51	0 21	13 12	0 19	18 29	0 53	24 55	1 27	15 10	14 49	0 49			n.a.
T 20	22 14	23 42	5 1	24 26	0 51	20 36	1 41	16 59	0 33	23 55	0 25	23 52	0 21	13 12	0 19	18 29	0 53	24 54	1 27	15 6	14 48	0 53			n.a.
W21	22 5	19 56	4 58	24 29	1 1	20 49	1 37	17 11	0 32	23 55	0 25	23 52	0 21	13 12	0 19	18 30	0 53	24 54	1 28	15 2	14 47	0 56			n.a.
T 22	21 55	15 22	4 41	24 29	1 9	21 2	1 34	17 22	0 31	23 54	0 25	23 52	0 21	13 12	0 19	18 30	0 53	24 54	1 28	14 59	14 46	1 0			n.a.
F 23	21 46	10 16	4 11	24 26	1 17	21 13	1 31	17 33	0 30	23 53	0 25	23 53	0 22	13 12	0 19	18 31	0 53	24 54	1 28	14 56	14 44	1 3			n.a.
S 24	21 36	4 53	3 30	24 20	1 23	21 25	1 28	17 44	0 30	23 52	0 25	23 53	0 22	13 12	0 19	18 31	0 53	24 54	1 28	14 54	14 43	1 6			n.a.
S 25	21 25	0s38	2 41	24 12	1 29	21 36	1 24	17 54	0 29	23 52	0 26	23 53	0 22	13 12	0 19	18 32	0 54	24 54	1 28	14 53	14 42	1 10			n.a.
M26	21 15	6 7	1 45	24 2	1 34	21 46	1 21	18 5	0 28	23 51	0 26	23 54	0 22	13 12	0 19	18 32	0 54	24 54	1 28	14 53	14 41	1 13			n.a.
T 27	21 4	11 25	0 44	23 49	1 38	21 56	1 18	18 15	0 27	23 50	0 26	23 54	0 22	13 12	0 19	18 33	0 54	24 54	1 28	14 53	14 40	1 16			n.a.
W28	20 52	16 22	0s20	23 33	1 42	22 5	1 15	18 26	0 26	23 49	0 26	23 54	0 22	13 12	0 19	18 33	0 54	24 54	1 28	14 53	14 39	1 20			n.a.
T 29	20 40	20 45	1 24	23 15	1 44	22 14	1 11	18 36	0 25	23 48	0 26	23 55	0 22	13 12	0 19	18 34	0 54	24 54	1 28	14 53	14 38	1 23			n.a.
F 30	20 28	24 20	2 25	22 54	1 46	22 22	1 8	18 46	0 25	23 47	0 26	23 55	0 22	13 13	0 19	18 34	0 54	24 54	1 28	14 52	14 37	1 26			n.a.
S 31	20n15	26s46	3s20	22n32	1n47	22n29	1s 4	18n56	0s24	23n46	0n26	23s55	0s22	13s13	0n19	18s35	0s54	24s54	1s28	14n50	14n36	1s30			n.a.

Julian Day Number = 1555780.5, Delta T = 04h27m39s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'08, Lahiri = -10°13'08 Julian Calendar 1 July 454 BCE == Greg. Calendar 26 June 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

AUGUST 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 13 51	1♌41'28	4♑17	0♌11	24♊ 3	25♉48	10♋37	7°R 8	5♏27	10°R54	20°R57	9°R21	8♉42	9♎36	n.a.	S 1
M 2	20 17 48	2°39'37	17°59	2° 8	25°13	26°24	10°49	7♑ 4	5°27	10♒52	20♐56	9♉10	8°39	9°43	n.a.	M 2
T 3	20 21 44	3°37'47	2♒ 3	4° 3	26°24	27° 1	11° 2	7° 0	5°28	10°51	20°55	8°59	8°36	9°49	n.a.	T 3
W 4	20 25 41	4°36'00	16°25	5°58	27°34	27°37	11°15	6°57	5°29	10°49	20°54	8°47	8°33	9°56	n.a.	W 4
T 5	20 29 37	5°34'14	0♓57	7°51	28°45	28°13	11°27	6°53	5°29	10°48	20°53	8°37	8°30	10° 3	n.a.	T 5
F 6	20 33 34	6°32'30	15°33	9°44	29°56	28°49	11°40	6°49	5°30	10°46	20°52	8°28	8°26	10° 9	n.a.	F 6
S 7	20 37 30	7°30'49	0♈ 6	11°35	1♋ 7	29°25	11°53	6°46	5°31	10°44	20°51	8°22	8°23	10°16	n.a.	S 7
S 8	20 41 27	8°29'09	14°32	13°25	2°18	0♊ 1	12° 5	6°42	5°32	10°43	20°50	8°19	8°20	10°23	n.a.	S 8
M 9	20 45 23	9°27'32	28°46	15°14	3°29	0°37	12°18	6°39	5°33	10°41	20°49	8°18	8°17	10°29	n.a.	M 9
T 10	20 49 20	10°25'57	12♉48	17° 2	4°40	1°12	12°30	6°36	5°34	10°39	20°48	8°18	8°14	10°36	n.a.	T 10
W11	20 53 17	11°24'24	26°37	18°49	5°51	1°47	12°42	6°32	5°35	10°38	20°48	8°18	8°10	10°43	n.a.	W11
T 12	20 57 13	12°22'54	10♊13	20°35	7° 2	2°23	12°55	6°29	5°36	10°36	20°47	8°16	8° 7	10°49	n.a.	T 12
F 13	21 1 10	13°21'26	23°38	22°20	8°14	2°58	13° 7	6°26	5°37	10°34	20°46	8°11	8° 4	10°56	n.a.	F 13
S 14	21 5 6	14°20'01	6♋51	24° 3	9°25	3°33	13°19	6°23	5°38	10°33	20°45	8° 4	8° 1	11° 3	n.a.	S 14
S 15	21 9 3	15°18'37	19°53	25°46	10°37	4° 8	13°31	6°20	5°40	10°31	20°45	7°53	7°58	11° 9	n.a.	S 15
M16	21 12 59	16°17'16	2♌44	27°27	11°49	4°42	13°44	6°17	5°41	10°29	20°44	7°41	7°55	11°16	n.a.	M16
T 17	21 16 56	17°15'57	15°22	29° 7	13° 1	5°17	13°56	6°14	5°42	10°28	20°43	7°28	7°51	11°23	n.a.	T 17
W18	21 20 52	18°14'39	27°48	0♍47	14°13	5°51	14° 8	6°11	5°44	10°26	20°43	7°14	7°48	11°29	n.a.	W18
T 19	21 24 49	19°13'24	10♍ 2	2°25	15°25	6°26	14°20	6° 9	5°45	10°24	20°42	7° 2	7°45	11°36	n.a.	T 19
F 20	21 28 45	20°12'11	22° 5	4° 2	16°37	7° 0	14°32	6° 6	5°47	10°23	20°42	6°53	7°42	11°43	n.a.	F 20
S 21	21 32 42	21°10'59	4♎ 0	5°39	17°49	7°34	14°43	6° 3	5°48	10°21	20°41	6°46	7°39	11°49	n.a.	S 21
S 22	21 36 39	22° 9'50	15°48	7°14	19° 1	8° 7	14°55	6° 1	5°50	10°20	20°40	6°41	7°35	11°56	n.a.	S 22
M23	21 40 35	23° 8'42	27°35	8°49	20°13	8°41	15° 7	5°59	5°51	10°18	20°40	6°39	7°32	12° 3	n.a.	M23
T 24	21 44 32	24° 7'37	9♏24	10°22	21°26	9°15	15°19	5°56	5°53	10°16	20°39	6°D39	7°29	12° 9	n.a.	T 24
W25	21 48 28	25° 6'33	21°22	11°55	22°38	9°48	15°30	5°54	5°55	10°15	20°39	6°R39	7°26	12°16	n.a.	W25
T 26	21 52 25	26° 5'31	3♐33	13°26	23°51	10°21	15°42	5°52	5°57	10°13	20°39	6°39	7°23	12°23	n.a.	T 26
F 27	21 56 21	27° 4'31	16° 2	14°57	25° 3	10°54	15°53	5°50	5°58	10°12	20°38	6°38	7°20	12°29	n.a.	F 27
S 28	22 0 18	28° 3'33	28°55	16°26	26°16	11°27	16° 4	5°48	6° 0	10°10	20°38	6°34	7°16	12°36	n.a.	S 28
S 29	22 4 14	29° 2'37	12♑16	17°55	27°29	11°59	16°16	5°47	6° 2	10° 9	20°38	6°27	7°13	12°43	n.a.	S 29
M30	22 8 11	0♍ 1'43	26° 4	19°23	28°42	12°32	16°27	5°45	6° 4	10° 7	20°37	6°19	7°10	12°49	n.a.	M30
T 31	22 12 8	1♍ 0'51	10♒20	20♍50	29♋55	13♊ 4	16♋38	5♑43	6♏ 6	10♒ 5	20♐37	6♉ 9	7♉ 7	12♎56	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	20n 3	27s47	4s 7	22n 7	1n48	22n36	1s 1	19n 5	0s23	23n46	0n26	23s56	0s22	13s13	0n19	18s35	0s54	24s54	1s28	14n48	14n35	1s33			n.a.
M 2	19 49	27 9	4 40	21 41	1 47	22 42	0 58	19 15	0 22	23 45	0 26	23 56	0 22	13 13	0 19	18 35	0 54	24 54	1 28	14 44	14 34	1 36			n.a.
T 3	19 36	24 48	4 58	21 13	1 47	22 48	0 54	19 24	0 21	23 44	0 27	23 56	0 22	13 13	0 19	18 36	0 54	24 54	1 28	14 41	14 33	1 40			n.a.
W 4	19 22	20 51	4 58	20 44	1 45	22 53	0 51	19 33	0 20	23 43	0 27	23 56	0 22	13 14	0 19	18 36	0 54	24 54	1 28	14 37	14 32	1 43			n.a.
T 5	19 7	15 36	4 38	20 12	1 43	22 57	0 47	19 42	0 19	23 42	0 27	23 57	0 23	13 14	0 18	18 37	0 54	24 54	1 29	14 33	14 31	1 46			n.a.
F 6	18 53	9 27	4 0	19 40	1 41	23 1	0 44	19 51	0 19	23 41	0 27	23 57	0 23	13 14	0 18	18 37	0 54	24 54	1 29	14 31	14 30	1 50			n.a.
S 7	18 38	2 49	3 7	19 6	1 38	23 4	0 41	20 0	0 18	23 40	0 27	23 57	0 23	13 15	0 18	18 38	0 54	24 54	1 29	14 29	14 29	1 53			n.a.
S 8	18 23	3n56	2 2	18 31	1 35	23 7	0 37	20 9	0 17	23 39	0 27	23 57	0 23	13 15	0 18	18 38	0 54	24 54	1 29	14 28	14 28	1 57			n.a.
M 9	18 7	10 24	0 50	17 56	1 31	23 9	0 34	20 17	0 16	23 38	0 27	23 58	0 23	13 15	0 18	18 39	0 54	24 54	1 29	14 27	14 27	2 0			n.a.
T 10	17 51	16 16	0n24	17 19	1 27	23 10	0 30	20 26	0 15	23 37	0 28	23 58	0 23	13 16	0 18	18 39	0 54	24 54	1 29	14 27	14 26	2 3			n.a.
W11	17 35	21 12	1 35	16 41	1 23	23 10	0 27	20 34	0 14	23 36	0 28	23 58	0 23	13 16	0 18	18 40	0 54	24 54	1 29	14 27	14 25	2 7			n.a.
T 12	17 19	24 55	2 40	16 3	1 18	23 10	0 24	20 42	0 13	23 35	0 28	23 58	0 23	13 16	0 18	18 40	0 54	24 54	1 29	14 27	14 24	2 10			n.a.
F 13	17 2	27 11	3 35	15 24	1 13	23 9	0 20	20 50	0 12	23 34	0 28	23 59	0 23	13 17	0 18	18 41	0 54	24 54	1 29	14 25	14 23	2 13			n.a.
S 14	16 45	27 51	4 17	14 44	1 8	23 8	0 17	20 57	0 11	23 32	0 28	23 59	0 23	13 17	0 18	18 41	0 54	24 54	1 29	14 23	14 22	2 17			n.a.
S 15	16 27	26 58	4 46	14 4	1 2	23 6	0 14	21 5	0 10	23 31	0 28	23 59	0 23	13 18	0 18	18 42	0 54	24 54	1 29	14 19	14 21	2 20			n.a.
M16	16 10	24 39	4 59	13 24	0 56	23 3	0 10	21 12	0 9	23 30	0 28	23 59	0 23	13 18	0 18	18 42	0 54	24 54	1 29	14 15	14 20	2 23			n.a.
T 17	15 52	21 10	4 57	12 43	0 50	22 59	0 7	21 20	0 8	23 29	0 28	23 59	0 23	13 19	0 18	18 42	0 54	24 54	1 29	14 11	14 19	2 27			n.a.
W18	15 34	16 47	4 41	12 1	0 44	22 55	0 4	21 27	0 7	23 28	0 29	24 0	0 23	13 19	0 18	18 43	0 54	24 54	1 29	14 6	14 18	2 30			n.a.
T 19	15 15	11 48	4 13	11 20	0 38	22 50	0 1	21 34	0 6	23 27	0 29	24 0	0 23	13 20	0 18	18 43	0 54	24 54	1 29	14 3	14 17	2 33			n.a.
F 20	14 56	6 26	3 33	10 38	0 31	22 45	0n 2	21 41	0 5	23 26	0 29	24 0	0 23	13 20	0 18	18 44	0 54	24 54	1 29	13 59	14 16	2 37			n.a.
S 21	14 37	0 54	2 44	9 56	0 24	22 39	0 6	21 47	0 4	23 24	0 29	24 0	0 24	13 21	0 18	18 44	0 54	24 54	1 29	13 57	14 14	2 40			n.a.
S 22	14 18	4s38	1 48	9 14	0 17	22 32	0 9	21 54	0 3	23 23	0 29	24 0	0 24	13 21	0 18	18 45	0 54	24 54	1 29	13 56	14 13	2 44			n.a.
M23	13 59	10 0	0 48	8 32	0 10	22 24	0 12	22 0	0 2	23 22	0 29	24 1	0 24	13 22	0 18	18 45	0 54	24 54	1 30	13 55	14 12	2 47			n.a.
T 24	13 39	15 3	0s15	7 50	0 3	22 16	0 15	22 7	0 1	23 21	0 29	24 1	0 24	13 22	0 18	18 46	0 54	24 54	1 30	13 55	14 11	2 50			n.a.
W25	13 19	19 35	1 17	7 7	0s 4	22 7	0 18	22 13	0n 0	23 20	0 30	24 1	0 24	13 23	0 18	18 46	0 54	24 54	1 30	13 55	14 10	2 54			n.a.
T 26	12 59	23 24	2 18	6 25	0 11	21 58	0 21	22 19	0 1	23 18	0 30	24 1	0 24	13 24	0 18	18 47	0 54	24 54	1 30	13 55	14 9	2 57			n.a.
F 27	12 39	26 13	3 13	5 43	0 19	21 47	0 24	22 25	0 2	23 17	0 30	24 1	0 24	13 24	0 18	18 47	0 54	24 55	1 30	13 54	14 8	3 0			n.a.
S 28	12 18	27 46	4 1	5 1	0 26	21 37	0 27	22 30	0 3	23 16	0 30	24 1	0 24	13 25	0 18	18 47	0 54	24 55	1 30	13 53	14 7	3 4			n.a.
S 29	11 57	27 46	4 37	4 20	0 33	21 25	0 30	22 36	0 4	23 15	0 30	24 1	0 24	13 26	0 18	18 48	0 54	24 55	1 30	13 51	14 6	3 7			n.a.
M30	11 36	26 6	4 59	3 38	0 41	21 13	0 32	22 41	0 6	23 14	0 30	24 2	0 24	13 26	0 18	18 48	0 54	24 55	1 30	13 48	14 5	3 10			n.a.
T 31	11n15	22s44	5s 3	2n57	0s48	21n 0	0n35	22n46	0n 7	23n12	0n30	24s 2	0s24	13s27	0n18	18s49	0s54	24s55	1s30	13n45	14n 4	3s14			n.a.

Julian Day Number = 1555811.5, Delta T = 04h27m38s
Ecliptic obliquity = 23°45'07, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'04, Lahiri = -10°13'04 Julian Calendar 1 Aug. 454 BCE == Greg. Calendar 27 July 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

SEPTEMBER 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 16 4	2♍ 0'00	24♒58	22♍16	1♌ 8	13♊36	16♋49	5°R42	6♏ 8	10°R 4	20°R37	5°R59	7♉ 4	13♎ 3	n.a.	W 1
T 2	22 20 1	2°59'12	9♓51	23°41	2°21	14° 8	17° 0	5♂40	6°10	10♒ 2	20♐36	5♉50	7° 1	13° 9	n.a.	T 2
F 3	22 23 57	3°58'26	24°51	25° 4	3°34	14°39	17°11	5°39	6°12	10° 1	20°36	5°42	6°57	13°16	n.a.	F 3
S 4	22 27 54	4°57'42	9♈48	26°27	4°47	15°11	17°22	5°38	6°15	10° 0	20°36	5°37	6°54	13°22	n.a.	S 4
S 5	22 31 50	5°57'01	24°34	27°49	6° 1	15°42	17°33	5°37	6°17	9°58	20°36	5°35	6°51	13°29	n.a.	S 5
M 6	22 35 47	6°56'22	9♉ 5	29°10	7°14	16°13	17°43	5°35	6°19	9°57	20°36	5°D34	6°48	13°36	n.a.	M 6
T 7	22 39 43	7°55'45	23°16	0♎29	8°28	16°44	17°54	5°35	6°21	9°55	20°36	5°35	6°45	13°42	n.a.	T 7
W 8	22 43 40	8°55'11	7♊ 6	1°47	9°41	17°15	18° 4	5°34	6°24	9°54	20°36	5°R36	6°41	13°49	n.a.	W 8
T 9	22 47 37	9°54'40	20°38	3° 4	10°55	17°45	18°15	5°33	6°26	9°52	20°D36	5°35	6°38	13°56	n.a.	T 9
F 10	22 51 33	10°54'11	3♋52	4°20	12° 8	18°16	18°25	5°32	6°29	9°51	20°36	5°33	6°35	14° 2	n.a.	F 10
S 11	22 55 30	11°53'44	16°50	5°34	13°22	18°46	18°35	5°32	6°31	9°50	20°36	5°28	6°32	14° 9	n.a.	S 11
S 12	22 59 26	12°53'20	29°34	6°47	14°36	19°16	18°46	5°31	6°34	9°48	20°36	5°21	6°29	14°16	n.a.	S 12
M13	23 3 23	13°52'58	12♌ 7	7°57	15°50	19°45	18°56	5°31	6°36	9°47	20°36	5°12	6°26	14°22	n.a.	M13
T 14	23 7 19	14°52'38	24°28	9° 6	17° 4	20°15	19° 5	5°31	6°39	9°46	20°36	5° 2	6°22	14°29	n.a.	T 14
W15	23 11 16	15°52'20	6♍40	10°13	18°18	20°44	19°15	5°31	6°41	9°44	20°36	4°53	6°19	14°36	n.a.	W15
T 16	23 15 12	16°52'05	18°43	11°18	19°32	21°13	19°25	5°D31	6°44	9°43	20°36	4°44	6°16	14°42	n.a.	T 16
F 17	23 19 9	17°51'51	0♎39	12°21	20°46	21°41	19°35	5°31	6°47	9°42	20°37	4°37	6°13	14°49	n.a.	F 17
S 18	23 23 5	18°51'40	12°29	13°21	22° 0	22°10	19°44	5°31	6°50	9°41	20°37	4°32	6°10	14°56	n.a.	S 18
S 19	23 27 2	19°51'30	24°15	14°17	23°14	22°38	19°54	5°31	6°52	9°40	20°37	4°29	6° 7	15° 2	n.a.	S 19
M20	23 30 59	20°51'23	6♏ 2	15°11	24°28	23° 5	20° 3	5°32	6°55	9°38	20°38	4°D29	6° 3	15° 9	n.a.	M20
T 21	23 34 55	21°51'17	17°51	16° 1	25°43	23°33	20°12	5°32	6°58	9°37	20°38	4°30	6° 0	15°16	n.a.	T 21
W22	23 38 52	22°51'13	29°48	16°48	26°57	24° 0	20°21	5°33	7° 1	9°36	20°38	4°31	5°57	15°22	n.a.	W22
T 23	23 42 48	23°51'11	11♐57	17°30	28°12	24°27	20°30	5°33	7° 4	9°35	20°39	4°33	5°54	15°29	n.a.	T 23
F 24	23 46 45	24°51'11	24°23	18° 7	29°26	24°54	20°39	5°34	7° 7	9°34	20°39	4°R33	5°51	15°36	n.a.	F 24
S 25	23 50 41	25°51'13	7♑11	18°39	0♍40	25°21	20°48	5°35	7°10	9°33	20°40	4°33	5°47	15°42	n.a.	S 25
S 26	23 54 38	26°51'16	20°25	19° 5	1°55	25°47	20°56	5°36	7°13	9°32	20°40	4°30	5°44	15°49	n.a.	S 26
M27	23 58 34	27°51'21	4♒ 8	19°25	3°10	26°13	21° 5	5°37	7°16	9°31	20°41	4°26	5°41	15°56	n.a.	M27
T 28	0 2 31	28°51'28	18°20	19°38	4°24	26°38	21°13	5°38	7°19	9°30	20°41	4°21	5°38	16° 2	n.a.	T 28
W29	0 6 28	29°51'36	2♓59	19°R43	5°39	27° 3	21°21	5°40	7°22	9°29	20°42	4°16	5°35	16° 9	n.a.	W29
T 30	0 10 24	0♎51'47	17♓58	19♎40	6♍53	27♊28	21♋29	5♂41	7♏25	9♒28	20♐42	4♉11	5♉32	16♎16	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n54	17s52	4s47	2n15	0s56	20n47	0n38	22n52	0n 8	23n11	0n31	24s 2	0s24	13s28	0n18	18s49	0s54	24s55	1s30	13n41	14n 3	3s17		n.a.
T 2	10 32	11 51	4 12	1 35	1 3	20 33	0 40	22 57	0 9	23 10	0 31	24 2	0 24	13 28	0 18	18 49	0 54	24 55	1 30	13 38	14 2	3 20		n.a.
F 3	10 11	5 7	3 19	0 54	1 11	20 18	0 43	23 2	0 10	23 9	0 31	24 2	0 24	13 29	0 18	18 50	0 54	24 55	1 30	13 36	14 1	3 24		n.a.
S 4	9 49	1n54	2 13	0 14	1 18	20 3	0 46	23 6	0 11	23 7	0 31	24 2	0 24	13 30	0 18	18 50	0 54	24 55	1 30	13 34	14 0	3 27		n.a.
S 5	9 27	8 44	0 59	0s25	1 25	19 47	0 48	23 11	0 13	23 6	0 31	24 2	0 24	13 31	0 18	18 51	0 54	24 55	1 30	13 33	13 59	3 31		n.a.
M 6	9 5	15 0	0n19	1 4	1 33	19 31	0 51	23 15	0 14	23 5	0 31	24 2	0 24	13 31	0 18	18 51	0 54	24 55	1 30	13 33	13 58	3 34		n.a.
T 7	8 42	20 20	1 33	1 43	1 40	19 14	0 53	23 20	0 15	23 4	0 32	24 2	0 24	13 32	0 18	18 51	0 54	24 55	1 30	13 33	13 57	3 37		n.a.
W 8	8 20	24 25	2 41	2 21	1 47	18 57	0 55	23 24	0 16	23 2	0 32	24 3	0 25	13 33	0 18	18 52	0 54	24 55	1 30	13 34	13 56	3 41		n.a.
T 9	7 57	27 2	3 37	2 58	1 54	18 38	0 57	23 28	0 17	23 1	0 32	24 3	0 25	13 34	0 18	18 52	0 54	24 55	1 30	13 33	13 54	3 44		n.a.
F 10	7 34	28 3	4 21	3 35	2 1	18 20	1 0	23 32	0 19	23 0	0 32	24 3	0 25	13 35	0 18	18 53	0 54	24 55	1 30	13 32	13 53	3 47		n.a.
S 11	7 11	27 29	4 50	4 11	2 7	18 1	1 2	23 36	0 20	22 59	0 32	24 3	0 25	13 35	0 18	18 53	0 54	24 55	1 30	13 31	13 52	3 51		n.a.
S 12	6 48	25 28	5 5	4 46	2 14	17 41	1 4	23 40	0 21	22 57	0 32	24 3	0 25	13 36	0 18	18 53	0 54	24 55	1 30	13 28	13 51	3 54		n.a.
M13	6 25	22 14	5 4	5 20	2 20	17 21	1 6	23 44	0 23	22 56	0 33	24 3	0 25	13 37	0 18	18 54	0 54	24 55	1 31	13 25	13 50	3 57		n.a.
T 14	6 2	18 4	4 49	5 53	2 26	17 0	1 8	23 47	0 24	22 55	0 33	24 3	0 25	13 38	0 18	18 54	0 54	24 55	1 31	13 22	13 49	4 1		n.a.
W15	5 39	13 13	4 21	6 25	2 32	16 39	1 10	23 51	0 25	22 54	0 33	24 3	0 25	13 39	0 18	18 54	0 54	24 55	1 31	13 19	13 48	4 4		n.a.
T 16	5 15	7 55	3 42	6 56	2 37	16 17	1 12	23 54	0 27	22 52	0 33	24 3	0 25	13 40	0 18	18 55	0 54	24 55	1 31	13 16	13 47	4 7		n.a.
F 17	4 51	2 22	2 53	7 25	2 42	15 55	1 13	23 57	0 28	22 51	0 33	24 3	0 25	13 41	0 18	18 55	0 54	24 55	1 31	13 14	13 46	4 11		n.a.
S 18	4 28	3s13	1 56	7 54	2 47	15 32	1 15	24 0	0 29	22 50	0 34	24 3	0 25	13 42	0 17	18 55	0 54	24 55	1 31	13 12	13 45	4 14		n.a.
S 19	4 4	8 40	0 55	8 20	2 51	15 9	1 17	24 3	0 31	22 49	0 34	24 3	0 25	13 43	0 17	18 56	0 54	24 56	1 31	13 11	13 44	4 18		n.a.
M20	3 40	13 50	0s 8	8 45	2 55	14 46	1 18	24 6	0 32	22 47	0 34	24 3	0 25	13 44	0 17	18 56	0 54	24 56	1 31	13 11	13 43	4 21		n.a.
T 21	3 16	18 32	1 12	9 8	2 59	14 22	1 20	24 9	0 33	22 46	0 34	24 3	0 25	13 45	0 17	18 56	0 54	24 56	1 31	13 11	13 42	4 24		n.a.
W22	2 52	22 32	2 13	9 28	3 2	13 57	1 21	24 12	0 35	22 45	0 34	24 3	0 25	13 46	0 17	18 57	0 54	24 56	1 31	13 12	13 41	4 28		n.a.
T 23	2 28	25 39	3 10	9 47	3 4	13 33	1 22	24 14	0 36	22 44	0 34	24 3	0 25	13 47	0 17	18 57	0 54	24 56	1 31	13 12	13 40	4 31		n.a.
F 24	2 4	27 36	3 59	10 2	3 5	13 7	1 24	24 17	0 38	22 43	0 35	24 3	0 25	13 48	0 17	18 57	0 54	24 56	1 31	13 12	13 39	4 34		n.a.
S 25	1 40	28 10	4 37	10 15	3 6	12 42	1 25	24 19	0 39	22 42	0 35	24 3	0 25	13 49	0 17	18 57	0 54	24 56	1 31	13 12	13 37	4 38		n.a.
S 26	1 16	27 9	5 2	10 25	3 5	12 16	1 26	24 22	0 41	22 40	0 35	24 3	0 25	13 50	0 17	18 58	0 54	24 56	1 31	13 11	13 36	4 41		n.a.
M27	0 52	24 31	5 12	10 31	3 4	11 50	1 27	24 24	0 42	22 39	0 35	24 3	0 25	13 51	0 17	18 58	0 54	24 56	1 31	13 10	13 35	4 44		n.a.
T 28	0 28	20 19	5 3	10 34	3 1	11 23	1 28	24 26	0 44	22 38	0 35	24 3	0 25	13 52	0 17	18 58	0 54	24 56	1 31	13 8	13 34	4 48		n.a.
W29	0 3	14 47	4 34	10 32	2 58	10 56	1 29	24 28	0 45	22 37	0 36	24 3	0 25	13 53	0 17	18 58	0 54	24 56	1 31	13 6	13 33	4 51		n.a.
T 30	0s21	8s16	3s46	10s26	2s52	10n29	1n30	24n31	0n47	22n36	0n36	24s 3	0s25	13s54	0n17	18s59	0s54	24s56	1s31	13n 5	13n32	4s54		n.a.

Julian Day Number = 1555842.5, Delta T = 04h27m37s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°20'00, Lahiri = -10°12'59 Julian Calendar 1 Sept. 454 BCE == Greg. Calendar 27 Aug. 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

OCTOBER 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 14 21	1♎51'58	3♈10	19°R28	8♍ 8	27♊53	21♋37	5♑43	7♏28	9°R27	20♐43	4°R 7	5♉28	16♎22	n.a.	F 1
S 2	0 18 17	2°52'12	18°23	19♎ 6	9°23	28°17	21°45	5°44	7°31	9♒27	20°44	4♉ 5	5°25	16°29	n.a.	S 2
S 3	0 22 14	3°52'28	3♉29	18°36	10°38	28°41	21°53	5°46	7°35	9°26	20°44	4°D 4	5°22	16°35	n.a.	S 3
M 4	0 26 10	4°52'46	18°19	17°55	11°53	29° 5	22° 0	5°48	7°38	9°25	20°45	4° 4	5°19	16°42	n.a.	M 4
T 5	0 30 7	5°53'06	2♊47	17° 5	13° 7	29°28	22° 8	5°50	7°41	9°24	20°46	4° 6	5°16	16°49	n.a.	T 5
W 6	0 34 3	6°53'28	16°50	16° 6	14°22	29°51	22°15	5°52	7°44	9°24	20°46	4° 7	5°12	16°55	n.a.	W 6
T 7	0 38 0	7°53'52	0♋28	14°59	15°37	0♋14	22°22	5°54	7°48	9°23	20°47	4° 8	5° 9	17° 2	n.a.	T 7
F 8	0 41 57	8°54'19	13°43	13°46	16°52	0°36	22°29	5°56	7°51	9°22	20°48	4°R 8	5° 6	17° 9	n.a.	F 8
S 9	0 45 53	9°54'47	26°36	12°29	18° 7	0°58	22°36	5°58	7°54	9°22	20°49	4° 7	5° 3	17°15	n.a.	S 9
S 10	0 49 50	10°55'18	9♌11	11° 9	19°22	1°19	22°43	6° 1	7°58	9°21	20°50	4° 5	5° 0	17°22	n.a.	S 10
M11	0 53 46	11°55'50	21°32	9°49	20°38	1°40	22°49	6° 3	8° 1	9°20	20°51	4° 2	4°57	17°29	n.a.	M11
T 12	0 57 43	12°56'24	3♍41	8°33	21°53	2° 1	22°56	6° 6	8° 4	9°20	20°52	3°59	4°53	17°35	n.a.	T 12
W13	1 1 39	13°57'00	15°41	7°22	23° 8	2°21	23° 2	6° 8	8° 8	9°19	20°53	3°55	4°50	17°42	n.a.	W13
T 14	1 5 36	14°57'37	27°36	6°18	24°23	2°41	23° 8	6°11	8°11	9°19	20°54	3°52	4°47	17°49	n.a.	T 14
F 15	1 9 32	15°58'17	9♎25	5°24	25°38	3° 0	23°14	6°14	8°15	9°19	20°55	3°49	4°44	17°55	n.a.	F 15
S 16	1 13 29	16°58'58	21°13	4°41	26°53	3°19	23°20	6°17	8°18	9°18	20°56	3°48	4°41	18° 2	n.a.	S 16
S 17	1 17 25	17°59'40	3♏ 0	4° 9	28° 9	3°37	23°26	6°20	8°22	9°18	20°57	3°D48	4°38	18° 9	n.a.	S 17
M18	1 21 22	19° 0'24	14°50	3°49	29°24	3°55	23°31	6°23	8°25	9°17	20°58	3°48	4°34	18°15	n.a.	M18
T 19	1 25 19	20° 1'10	26°44	3°D40	0♎39	4°12	23°36	6°26	8°29	9°17	20°59	3°49	4°31	18°22	n.a.	T 19
W20	1 29 15	21° 1'56	8♐46	3°43	1°55	4°29	23°42	6°30	8°32	9°17	21° 0	3°50	4°28	18°29	n.a.	W20
T 21	1 33 12	22° 2'44	20°59	3°56	3°10	4°46	23°47	6°33	8°36	9°17	21° 1	3°51	4°25	18°35	n.a.	T 21
F 22	1 37 8	23° 3'34	3♑26	4°19	4°25	5° 2	23°51	6°37	8°40	9°16	21° 3	3°52	4°22	18°42	n.a.	F 22
S 23	1 41 5	24° 4'24	16°11	4°50	5°41	5°17	23°56	6°40	8°43	9°16	21° 4	3°53	4°18	18°49	n.a.	S 23
S 24	1 45 1	25° 5'15	29°19	5°30	6°56	5°32	24° 1	6°44	8°47	9°16	21° 5	3°R53	4°15	18°55	n.a.	S 24
M25	1 48 58	26° 6'08	12♒51	6°17	8°11	5°47	24° 5	6°48	8°50	9°16	21° 6	3°53	4°12	19° 2	n.a.	M25
T 26	1 52 54	27° 7'01	26°49	7°10	9°27	6° 0	24° 9	6°52	8°54	9°16	21° 8	3°52	4° 9	19° 8	n.a.	T 26
W27	1 56 51	28° 7'55	11♓13	8° 8	10°42	6°14	24°13	6°56	8°58	9°D16	21° 9	3°51	4° 6	19°15	n.a.	W27
T 28	2 0 48	29° 8'51	26° 0	9°11	11°58	6°26	24°17	7° 0	9° 1	9°16	21°10	3°51	4° 3	19°22	n.a.	T 28
F 29	2 4 44	0♏ 9'47	11♈ 5	10°18	13°13	6°39	24°20	7° 4	9° 5	9°16	21°12	3°50	3°59	19°28	n.a.	F 29
S 30	2 8 41	1°10'44	26°17	11°29	14°28	6°50	24°24	7° 8	9° 9	9°16	21°13	3°50	3°56	19°35	n.a.	S 30
S 31	2 12 37	2♏11'42	11♉29	12♎43	15♎44	7♋ 1	24♋27	7♑12	9♏12	9♒16	21♐14	3°D50	3♉53	19♎42	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s45	1s11	2s41	10s16	2s46	10n 1	1n30	24n33	0n49	22n35	0n36	24s 3	0s26	13s55	0n17	18s59	0s54	24s56	1s31	13n 3	13n31	4s58		n.a.
S 2	1 9	6n 0	1 25	10 0	2 37	9 33	1 31	24 35	0 50	22 34	0 36	24 3	0 26	13 56	0 17	18 59	0 54	24 57	1 31	13 3	13 30	5 1		n.a.
S 3	1 34	12 47	0 3	9 38	2 27	9 5	1 32	24 36	0 52	22 33	0 36	24 3	0 26	13 57	0 17	18 59	0 54	24 57	1 31	13 2	13 29	5 4		n.a.
M 4	1 58	18 45	1n17	9 12	2 15	8 37	1 32	24 38	0 53	22 32	0 37	24 3	0 26	13 58	0 17	18 59	0 54	24 57	1 31	13 3	13 28	5 8		n.a.
T 5	2 22	23 28	2 31	8 40	2 2	8 8	1 33	24 40	0 55	22 31	0 37	24 3	0 26	13 59	0 17	19 0	0 54	24 57	1 32	13 3	13 27	5 11		n.a.
W 6	2 46	26 38	3 34	8 3	1 46	7 39	1 33	24 42	0 57	22 30	0 37	24 3	0 26	14 0	0 17	19 0	0 54	24 57	1 32	13 3	13 26	5 14		n.a.
T 7	3 10	28 7	4 22	7 21	1 29	7 10	1 33	24 44	0 58	22 29	0 37	24 3	0 26	14 1	0 17	19 0	0 54	24 57	1 32	13 4	13 25	5 18		n.a.
F 8	3 34	27 56	4 55	6 35	1 10	6 41	1 34	24 45	1 0	22 28	0 37	24 3	0 26	14 2	0 17	19 0	0 54	24 57	1 32	13 4	13 24	5 21		n.a.
S 9	3 59	26 13	5 12	5 46	0 51	6 11	1 34	24 47	1 2	22 27	0 38	24 3	0 26	14 3	0 17	19 0	0 54	24 57	1 32	13 4	13 22	5 25		n.a.
S 10	4 23	23 13	5 13	4 56	0 30	5 42	1 34	24 48	1 4	22 26	0 38	24 3	0 26	14 5	0 17	19 0	0 54	24 57	1 32	13 3	13 21	5 28		n.a.
M11	4 47	19 14	5 0	4 5	0 9	5 12	1 34	24 50	1 5	22 25	0 38	24 3	0 26	14 6	0 17	19 1	0 54	24 57	1 32	13 2	13 20	5 31		n.a.
T 12	5 10	14 31	4 34	3 16	0n11	4 42	1 34	24 51	1 7	22 24	0 38	24 3	0 26	14 7	0 17	19 1	0 53	24 58	1 32	13 1	13 19	5 35		n.a.
W13	5 34	9 19	3 55	2 29	0 31	4 12	1 34	24 53	1 9	22 23	0 38	24 2	0 26	14 8	0 17	19 1	0 53	24 58	1 32	12 59	13 18	5 38		n.a.
T 14	5 58	3 49	3 7	1 46	0 50	3 41	1 34	24 54	1 11	22 23	0 39	24 2	0 26	14 9	0 17	19 1	0 53	24 58	1 32	12 58	13 17	5 41		n.a.
F 15	6 22	1s47	2 11	1 9	1 7	3 11	1 33	24 56	1 13	22 22	0 39	24 2	0 26	14 10	0 17	19 1	0 53	24 58	1 32	12 57	13 16	5 45		n.a.
S 16	6 45	7 19	1 9	0 37	1 23	2 40	1 33	24 57	1 15	22 21	0 39	24 2	0 26	14 11	0 17	19 1	0 53	24 58	1 32	12 57	13 15	5 48		n.a.
S 17	7 9	12 36	0 4	0 11	1 37	2 10	1 33	24 59	1 17	22 20	0 39	24 2	0 26	14 13	0 17	19 1	0 53	24 58	1 32	12 57	13 14	5 51		n.a.
M18	7 32	17 28	1s 1	0n 8	1 49	1 39	1 32	25 0	1 19	22 19	0 40	24 2	0 26	14 14	0 17	19 1	0 53	24 58	1 32	12 57	13 13	5 55		n.a.
T 19	7 56	21 41	2 4	0 21	1 59	1 8	1 32	25 2	1 21	22 19	0 40	24 2	0 26	14 15	0 17	19 1	0 53	24 58	1 32	12 57	13 12	5 58		n.a.
W20	8 19	25 3	3 2	0 27	2 8	0 37	1 31	25 3	1 23	22 18	0 40	24 2	0 26	14 16	0 17	19 1	0 53	24 59	1 32	12 58	13 11	6 1		n.a.
T 21	8 42	27 19	3 53	0 28	2 14	0 6	1 30	25 4	1 25	22 17	0 40	24 2	0 26	14 17	0 17	19 1	0 53	24 59	1 32	12 58	13 9	6 5		n.a.
F 22	9 5	28 16	4 34	0 23	2 19	0s25	1 29	25 6	1 27	22 17	0 41	24 1	0 26	14 18	0 17	19 1	0 53	24 59	1 32	12 58	13 8	6 8		n.a.
S 23	9 27	27 46	5 3	0 14	2 23	0 56	1 29	25 7	1 29	22 16	0 41	24 1	0 26	14 20	0 17	19 1	0 53	24 59	1 32	12 59	13 7	6 11		n.a.
S 24	9 50	25 43	5 17	0s 0	2 25	1 27	1 28	25 9	1 31	22 16	0 41	24 1	0 26	14 21	0 17	19 1	0 53	24 59	1 32	12 59	13 6	6 15		n.a.
M25	10 12	22 11	5 14	0 18	2 26	1 58	1 27	25 10	1 33	22 15	0 41	24 1	0 26	14 22	0 17	19 1	0 53	24 59	1 32	12 58	13 5	6 18		n.a.
T 26	10 35	17 18	4 53	0 39	2 25	2 29	1 26	25 12	1 35	22 15	0 41	24 1	0 26	14 23	0 17	19 1	0 53	24 59	1 33	12 58	13 4	6 21		n.a.
W27	10 57	11 20	4 13	1 4	2 24	3 0	1 25	25 13	1 37	22 14	0 42	24 1	0 27	14 24	0 17	19 1	0 53	24 59	1 33	12 58	13 3	6 25		n.a.
T 28	11 19	4 35	3 15	1 31	2 22	3 30	1 24	25 15	1 40	22 14	0 42	24 0	0 27	14 25	0 17	19 1	0 53	25 0	1 33	12 58	13 2	6 28		n.a.
F 29	11 41	2n33	2 3	2 0	2 19	4 1	1 23	25 17	1 42	22 13	0 42	24 0	0 27	14 27	0 17	19 1	0 53	25 0	1 33	12 58	13 1	6 31		n.a.
S 30	12 2	9 38	0 42	2 31	2 16	4 32	1 21	25 18	1 44	22 13	0 42	24 0	0 27	14 28	0 17	19 1	0 53	25 0	1 33	12 58	13 0	6 35		n.a.
S 31	12s24	16n 9	0n42	3s 4	2n12	5s 3	1n20	25n20	1n46	22n13	0n43	24s 0	0s27	14s29	0n17	19s 1	0s53	25s 0	1s33	12n58	12n59	6s38		n.a.

Julian Day Number = 1555872.5, Delta T = 04h27m35s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'56, Lahiri = -10°12'55 Julian Calendar 1 Oct. 454 BCE == Greg. Calendar 26 Sept. 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

NOVEMBER 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 16 34	3♏12'42	26♉30	14♎ 0	16♎59	7♋11	24♋30	7♑17	9♏16	9♒16	21♐16	3♉50	3♉50	19♎48	n.a.	M 1
T 2	2 20 30	4°13'43	11♊13	15°19	18°15	7°21	24°33	7°21	9°20	9°16	21°17	3°R50	3°47	19°55	n.a.	T 2
W 3	2 24 27	5°14'45	25°31	16°39	19°30	7°30	24°36	7°26	9°23	9°17	21°19	3°50	3°44	20° 2	n.a.	W 3
T 4	2 28 24	6°15'48	9♋22	18° 2	20°46	7°39	24°38	7°30	9°27	9°17	21°20	3°50	3°40	20° 8	n.a.	T 4
F 5	2 32 20	7°16'53	22°45	19°26	22° 1	7°46	24°41	7°35	9°31	9°17	21°22	3°50	3°37	20°15	n.a.	F 5
S 6	2 36 17	8°17'58	5♌43	20°51	23°17	7°54	24°43	7°40	9°34	9°18	21°23	3°D49	3°34	20°22	n.a.	S 6
S 7	2 40 13	9°19'05	18°18	22°17	24°32	8° 0	24°45	7°44	9°38	9°18	21°25	3°49	3°31	20°28	n.a.	S 7
M 8	2 44 10	10°20'13	0♍36	23°44	25°48	8° 6	24°46	7°49	9°42	9°18	21°26	3°50	3°28	20°35	n.a.	M 8
T 9	2 48 6	11°21'22	12°39	25°12	27° 3	8°11	24°48	7°54	9°46	9°19	21°28	3°51	3°24	20°42	n.a.	T 9
W10	2 52 3	12°22'32	24°33	26°40	28°19	8°15	24°49	7°59	9°49	9°19	21°30	3°51	3°21	20°48	n.a.	W10
T 11	2 55 59	13°23'43	6♎22	28° 9	29°34	8°18	24°50	8° 4	9°53	9°20	21°31	3°52	3°18	20°55	n.a.	T 11
F 12	2 59 56	14°24'54	18° 9	29°39	0♏50	8°21	24°51	8°10	9°57	9°20	21°33	3°53	3°15	21° 2	n.a.	F 12
S 13	3 3 53	15°26'07	29°57	1♏ 9	2° 6	8°23	24°52	8°15	10° 0	9°21	21°34	3°R54	3°12	21° 8	n.a.	S 13
S 14	3 7 49	16°27'20	11♏48	2°39	3°21	8°24	24°53	8°20	10° 4	9°21	21°36	3°54	3° 9	21°15	n.a.	S 14
M15	3 11 46	17°28'33	23°45	4°10	4°37	8°R25	24°53	8°26	10° 8	9°22	21°38	3°53	3° 5	21°21	n.a.	M15
T 16	3 15 42	18°29'48	5♐50	5°41	5°52	8°25	24°R53	8°31	10°11	9°23	21°40	3°51	3° 2	21°28	n.a.	T 16
W17	3 19 39	19°31'03	18° 4	7°12	7° 8	8°23	24°53	8°37	10°15	9°23	21°41	3°49	2°59	21°35	n.a.	W17
T 18	3 23 35	20°32'18	0♑29	8°44	8°23	8°22	24°53	8°42	10°19	9°24	21°43	3°46	2°56	21°41	n.a.	T 18
F 19	3 27 32	21°33'33	13° 6	10°15	9°39	8°19	24°53	8°48	10°22	9°25	21°45	3°44	2°53	21°48	n.a.	F 19
S 20	3 31 28	22°34'48	25°58	11°47	10°54	8°15	24°52	8°53	10°26	9°26	21°47	3°41	2°50	21°55	n.a.	S 20
S 21	3 35 25	23°36'04	9♒ 6	13°20	12°10	8°11	24°51	8°59	10°30	9°26	21°48	3°40	2°46	22° 1	n.a.	S 21
M22	3 39 22	24°37'19	22°32	14°52	13°26	8° 6	24°50	9° 5	10°33	9°27	21°50	3°D39	2°43	22° 8	n.a.	M22
T 23	3 43 18	25°38'35	6♓18	16°25	14°41	8° 0	24°49	9°11	10°37	9°28	21°52	3°39	2°40	22°15	n.a.	T 23
W24	3 47 15	26°39'50	20°25	17°58	15°57	7°53	24°48	9°17	10°40	9°29	21°54	3°40	2°37	22°21	n.a.	W24
T 25	3 51 11	27°41'05	4♈50	19°31	17°12	7°45	24°46	9°23	10°44	9°30	21°56	3°42	2°34	22°28	n.a.	T 25
F 26	3 55 8	28°42'20	19°32	21° 4	18°28	7°37	24°44	9°29	10°47	9°31	21°57	3°43	2°30	22°35	n.a.	F 26
S 27	3 59 4	29°43'35	4♉25	22°38	19°43	7°28	24°42	9°35	10°51	9°32	21°59	3°R44	2°27	22°41	n.a.	S 27
S 28	4 3 1	0♐44'50	19°24	24°12	20°59	7°18	24°40	9°41	10°55	9°33	22° 1	3°43	2°24	22°48	n.a.	S 28
M29	4 6 57	1°46'05	4♊18	25°46	22°14	7° 7	24°38	9°47	10°58	9°34	22° 3	3°41	2°21	22°55	n.a.	M29
T 30	4 10 54	2♐47'20	19♊ 1	27♏21	23♏30	6♋55	24♋35	9♑54	11♏ 2	9♒35	22♐ 5	3♉37	2♉18	23♎ 1	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s45	21n37	2n 3	3s38	2n 7	5s33	1n19	25n22	1n49	22n12	0n43	24s 0	0s27	14s30	0n17	19s 1	0s53	25s 0	1s33	12n58	12n58	6s41		n.a.
T 2	13 6	25 36	3 13	4 14	2 2	6 3	1 17	25 23	1 51	22 12	0 43	23 59	0 27	14 31	0 17	19 1	0 53	25 0	1 33	12 58	12 56	6 45		n.a.
W 3	13 26	27 50	4 10	4 50	1 57	6 34	1 16	25 25	1 53	22 12	0 43	23 59	0 27	14 33	0 17	19 1	0 53	25 1	1 33	12 58	12 55	6 48		n.a.
T 4	13 47	28 14	4 50	5 27	1 51	7 4	1 14	25 27	1 56	22 11	0 44	23 59	0 27	14 34	0 17	19 1	0 53	25 1	1 33	12 57	12 54	6 51		n.a.
F 5	14 7	26 56	5 12	6 5	1 46	7 34	1 13	25 29	1 58	22 11	0 44	23 59	0 27	14 35	0 17	19 1	0 53	25 1	1 33	12 57	12 53	6 55		n.a.
S 6	14 27	24 13	5 18	6 43	1 39	8 4	1 11	25 31	2 1	22 11	0 44	23 59	0 27	14 36	0 17	19 1	0 53	25 1	1 33	12 57	12 52	6 58		n.a.
S 7	14 47	20 25	5 8	7 21	1 33	8 33	1 9	25 33	2 3	22 11	0 44	23 58	0 27	14 37	0 17	19 1	0 53	25 1	1 33	12 57	12 51	7 1		n.a.
M 8	15 7	15 49	4 44	8 0	1 26	9 3	1 8	25 35	2 5	22 11	0 45	23 58	0 27	14 39	0 17	19 1	0 53	25 1	1 33	12 58	12 50	7 5		n.a.
T 9	15 26	10 42	4 8	8 38	1 20	9 32	1 6	25 37	2 8	22 11	0 45	23 58	0 27	14 40	0 17	19 0	0 53	25 1	1 33	12 58	12 49	7 8		n.a.
W10	15 45	5 16	3 22	9 17	1 13	10 1	1 4	25 40	2 10	22 11	0 45	23 58	0 27	14 41	0 17	19 0	0 53	25 2	1 33	12 58	12 48	7 11		n.a.
T 11	16 4	0s19	2 27	9 56	1 6	10 30	1 2	25 42	2 13	22 11	0 45	23 57	0 27	14 42	0 17	19 0	0 53	25 2	1 33	12 58	12 47	7 15		n.a.
F 12	16 22	5 53	1 26	10 35	0 59	10 58	1 0	25 44	2 16	22 11	0 46	23 57	0 27	14 43	0 17	19 0	0 53	25 2	1 33	12 59	12 45	7 18		n.a.
S 13	16 41	11 15	0 22	11 13	0 52	11 27	0 58	25 47	2 18	22 11	0 46	23 57	0 27	14 45	0 17	19 0	0 53	25 2	1 34	12 59	12 44	7 21		n.a.
S 14	16 58	16 16	0s44	11 51	0 45	11 55	0 56	25 49	2 21	22 11	0 46	23 56	0 27	14 46	0 17	19 0	0 53	25 2	1 34	12 59	12 43	7 25		n.a.
M15	17 16	20 42	1 48	12 29	0 38	12 22	0 54	25 52	2 23	22 11	0 46	23 56	0 27	14 47	0 17	18 59	0 53	25 2	1 34	12 59	12 42	7 28		n.a.
T 16	17 33	24 19	2 48	13 6	0 31	12 50	0 52	25 55	2 26	22 12	0 47	23 56	0 27	14 48	0 17	18 59	0 53	25 3	1 34	12 58	12 41	7 31		n.a.
W17	17 50	26 52	3 41	13 43	0 24	13 17	0 50	25 57	2 29	22 12	0 47	23 55	0 27	14 49	0 17	18 59	0 53	25 3	1 34	12 57	12 40	7 34		n.a.
T 18	18 7	28 9	4 24	14 20	0 17	13 43	0 48	26 0	2 31	22 12	0 47	23 55	0 27	14 50	0 17	18 59	0 53	25 3	1 34	12 56	12 39	7 38		n.a.
F 19	18 23	28 0	4 56	14 56	0 10	14 10	0 46	26 3	2 34	22 13	0 47	23 55	0 27	14 52	0 17	18 59	0 53	25 3	1 34	12 55	12 38	7 41		n.a.
S 20	18 39	26 21	5 13	15 31	0 3	14 36	0 44	26 6	2 37	22 13	0 48	23 54	0 28	14 53	0 17	18 58	0 53	25 3	1 34	12 55	12 37	7 44		n.a.
S 21	18 55	23 15	5 14	16 6	0s 4	15 1	0 42	26 9	2 39	22 13	0 48	23 54	0 28	14 54	0 17	18 58	0 53	25 4	1 34	12 54	12 36	7 48		n.a.
M22	19 10	18 52	4 59	16 41	0 11	15 27	0 40	26 12	2 42	22 14	0 48	23 54	0 28	14 55	0 17	18 58	0 53	25 4	1 34	12 54	12 34	7 51		n.a.
T 23	19 25	13 25	4 26	17 14	0 17	15 52	0 37	26 15	2 45	22 14	0 48	23 53	0 28	14 56	0 17	18 58	0 53	25 4	1 34	12 54	12 33	7 54		n.a.
W24	19 40	7 9	3 37	17 47	0 24	16 16	0 35	26 18	2 48	22 15	0 49	23 53	0 28	14 57	0 17	18 57	0 53	25 4	1 34	12 54	12 32	7 58		n.a.
T 25	19 54	0 23	2 33	18 20	0 30	16 40	0 33	26 21	2 50	22 15	0 49	23 53	0 28	14 58	0 17	18 57	0 53	25 4	1 34	12 55	12 31	8 1		n.a.
F 26	20 8	6n33	1 17	18 51	0 37	17 4	0 30	26 24	2 53	22 16	0 49	23 52	0 28	15 0	0 17	18 57	0 53	25 4	1 34	12 55	12 30	8 4		n.a.
S 27	20 21	13 13	0n 4	19 22	0 43	17 27	0 28	26 28	2 56	22 16	0 49	23 52	0 28	15 1	0 17	18 57	0 53	25 5	1 34	12 55	12 29	8 8		n.a.
S 28	20 34	19 10	1 25	19 51	0 49	17 49	0 26	26 31	2 58	22 17	0 50	23 51	0 28	15 2	0 17	18 56	0 53	25 5	1 35	12 55	12 28	8 11		n.a.
M29	20 47	23 54	2 40	20 20	0 55	18 11	0 23	26 34	3 1	22 18	0 50	23 51	0 28	15 3	0 17	18 56	0 53	25 5	1 35	12 54	12 27	8 14		n.a.
T 30	20s59	27n 0	3n43	20s48	1s 1	18s33	0n21	26n38	3n 4	22n18	0n50	23s51	0s28	15s 4	0n17	18s56	0s53	25s 5	1s35	12n53	12n26	8s17		n.a.

Julian Day Number = 1555903.5, Delta T = 04h27m34s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'52, Lahiri = -10°12'51 Julian Calendar 1 Nov. 454 BCE == Greg. Calendar 27 Oct. 454 BCE

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ASTRODIENST EPHEMERIS for the year 454 BCE
geocentric

DECEMBER 454 BCE (-453) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 14 51	3♐48'35	3♋24	28♏56	24♏45	6°R43	24°R33	10♑ 0	11♏ 5	9♒37	22♐ 7	3°R33	2♉15	23♎ 8	n.a.	W 1
T 2	4 18 47	4°49'50	17°23	0♐31	26° 1	6♋30	24♋30	10° 6	11° 9	9°38	22° 9	3♉28	2°11	23°14	n.a.	T 2
F 3	4 22 44	5°51'05	0♌56	2° 6	27°16	6°16	24°27	10°13	11°12	9°39	22°11	3°23	2° 8	23°21	n.a.	F 3
S 4	4 26 40	6°52'20	14° 1	3°42	28°32	6° 1	24°23	10°19	11°15	9°40	22°13	3°19	2° 5	23°28	n.a.	S 4
S 5	4 30 37	7°53'35	26°42	5°19	29°47	5°45	24°20	10°25	11°19	9°41	22°14	3°17	2° 2	23°34	n.a.	S 5
M 6	4 34 33	8°54'50	9♍ 2	6°55	1♐ 3	5°29	24°16	10°32	11°22	9°43	22°16	3°D16	1°59	23°41	n.a.	M 6
T 7	4 38 30	9°56'05	21° 6	8°32	2°18	5°12	24°12	10°39	11°26	9°44	22°18	3°17	1°56	23°48	n.a.	T 7
W 8	4 42 27	10°57'19	2♎59	10°10	3°33	4°54	24° 8	10°45	11°29	9°45	22°20	3°18	1°52	23°54	n.a.	W 8
T 9	4 46 23	11°58'34	14°46	11°48	4°49	4°36	24° 4	10°52	11°32	9°47	22°22	3°20	1°49	24° 1	n.a.	T 9
F 10	4 50 20	12°59'49	26°33	13°26	6° 4	4°17	24° 0	10°58	11°36	9°48	22°24	3°22	1°46	24° 8	n.a.	F 10
S 11	4 54 16	14° 1'03	8♏23	15° 5	7°20	3°57	23°55	11° 5	11°39	9°50	22°26	3°R22	1°43	24°14	n.a.	S 11
S 12	4 58 13	15° 2'17	20°20	16°44	8°35	3°37	23°51	11°12	11°42	9°51	22°28	3°20	1°40	24°21	n.a.	S 12
M13	5 2 9	16° 3'30	2♐26	18°24	9°51	3°17	23°46	11°19	11°45	9°53	22°30	3°16	1°36	24°28	n.a.	M13
T 14	5 6 6	17° 4'43	14°45	20° 4	11° 6	2°55	23°41	11°26	11°48	9°54	22°32	3°10	1°33	24°34	n.a.	T 14
W15	5 10 2	18° 5'56	27°16	21°45	12°21	2°34	23°36	11°32	11°52	9°56	22°34	3° 3	1°30	24°41	n.a.	W15
T 16	5 13 59	19° 7'08	10♑ 0	23°26	13°37	2°11	23°30	11°39	11°55	9°57	22°36	2°54	1°27	24°48	n.a.	T 16
F 17	5 17 56	20° 8'19	22°57	25° 8	14°52	1°49	23°25	11°46	11°58	9°59	22°38	2°45	1°24	24°54	n.a.	F 17
S 18	5 21 52	21° 9'29	6♒ 6	26°50	16° 8	1°26	23°19	11°53	12° 1	10° 1	22°40	2°37	1°21	25° 1	n.a.	S 18
S 19	5 25 49	22°10'38	19°28	28°32	17°23	1° 3	23°13	12° 0	12° 4	10° 2	22°42	2°31	1°17	25° 7	n.a.	S 19
M20	5 29 45	23°11'45	3♓ 1	0♑15	18°38	0°39	23° 7	12° 7	12° 7	10° 4	22°44	2°26	1°14	25°14	n.a.	M20
T 21	5 33 42	24°12'52	16°46	1°58	19°54	0°16	23° 1	12°14	12°10	10° 6	22°46	2°24	1°11	25°21	n.a.	T 21
W22	5 37 38	25°13'58	0♈42	3°42	21° 9	29♊52	22°55	12°21	12°13	10° 7	22°48	2°D24	1° 8	25°27	n.a.	W22
T 23	5 41 35	26°15'02	14°50	5°25	22°24	29°28	22°49	12°28	12°16	10° 9	22°50	2°25	1° 5	25°34	n.a.	T 23
F 24	5 45 32	27°16'05	29° 9	7° 9	23°40	29° 4	22°42	12°35	12°19	10°11	22°52	2°R26	1° 1	25°41	n.a.	F 24
S 25	5 49 28	28°17'07	13♉36	8°53	24°55	28°40	22°36	12°42	12°22	10°13	22°54	2°25	0°58	25°47	n.a.	S 25
S 26	5 53 25	29°18'07	28° 8	10°36	26°10	28°16	22°29	12°49	12°24	10°14	22°56	2°23	0°55	25°54	n.a.	S 26
M27	5 57 21	0♑19'06	12♊39	12°19	27°26	27°52	22°22	12°57	12°27	10°16	22°58	2°17	0°52	26° 1	n.a.	M27
T 28	6 1 18	1°20'05	27° 4	14° 2	28°41	27°28	22°15	13° 4	12°30	10°18	23° 0	2°10	0°49	26° 7	n.a.	T 28
W29	6 5 14	2°21'02	11♋17	15°44	29°56	27° 4	22° 8	13°11	12°33	10°20	23° 2	2° 0	0°46	26°14	n.a.	W29
T 30	6 9 11	3°21'58	25°10	17°25	1♑11	26°41	22° 1	13°18	12°35	10°22	23° 4	1°49	0°42	26°21	n.a.	T 30
F 31	6 13 7	4♑22'52	8♌42	19♑ 4	2♑27	26♊17	21♋54	13♑25	12♏38	10♒24	23♐ 6	1♉39	0♉39	26♎27	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	21s11	28n13	4n31	21s15	1s 6	18s54	0n19	26n41	3n 6	22n19	0n50	23s50	0s28	15s 5	0n17	18s55	0s53	25s 5	1s35	12n52	12n25	8s21			n.a.
T 2	21 23	27 34	5 1	21 41	1 11	19 15	0 16	26 44	3 9	22 20	0 51	23 50	0 28	15 6	0 17	18 55	0 53	25 6	1 35	12 50	12 23	8 24			n.a.
F 3	21 34	25 17	5 12	22 6	1 17	19 35	0 14	26 48	3 12	22 21	0 51	23 49	0 28	15 7	0 17	18 55	0 53	25 6	1 35	12 48	12 22	8 27			n.a.
S 4	21 44	21 44	5 7	22 30	1 22	19 54	0 12	26 51	3 14	22 22	0 51	23 49	0 28	15 8	0 17	18 54	0 53	25 6	1 35	12 47	12 21	8 31			n.a.
S 5	21 55	17 16	4 47	22 53	1 26	20 13	0 9	26 54	3 17	22 22	0 51	23 48	0 28	15 9	0 17	18 54	0 53	25 6	1 35	12 46	12 20	8 34			n.a.
M 6	22 4	12 12	4 14	23 15	1 31	20 32	0 7	26 57	3 19	22 23	0 52	23 48	0 28	15 11	0 17	18 54	0 52	25 6	1 35	12 46	12 19	8 37			n.a.
T 7	22 14	6 47	3 30	23 35	1 35	20 49	0 4	27 1	3 22	22 24	0 52	23 47	0 28	15 12	0 17	18 53	0 52	25 7	1 35	12 46	12 18	8 41			n.a.
W 8	22 23	1 13	2 38	23 54	1 39	21 6	0 2	27 4	3 24	22 25	0 52	23 47	0 28	15 13	0 17	18 53	0 52	25 7	1 35	12 47	12 17	8 44			n.a.
T 9	22 31	4s22	1 40	24 12	1 43	21 23	0s 0	27 7	3 27	22 26	0 52	23 46	0 28	15 14	0 17	18 52	0 52	25 7	1 35	12 47	12 16	8 47			n.a.
F 10	22 39	9 48	0 37	24 28	1 47	21 39	0 3	27 10	3 29	22 27	0 53	23 46	0 29	15 15	0 17	18 52	0 52	25 7	1 35	12 48	12 15	8 50			n.a.
S 11	22 47	14 55	0s27	24 44	1 50	21 54	0 5	27 13	3 31	22 28	0 53	23 45	0 29	15 16	0 17	18 52	0 52	25 7	1 35	12 48	12 13	8 54			n.a.
S 12	22 54	19 31	1 31	24 57	1 53	22 9	0 8	27 15	3 33	22 29	0 53	23 45	0 29	15 17	0 17	18 51	0 52	25 7	1 36	12 47	12 12	8 57			n.a.
M13	23 1	23 23	2 31	25 9	1 55	22 23	0 10	27 18	3 36	22 30	0 53	23 44	0 29	15 18	0 17	18 51	0 52	25 8	1 36	12 46	12 11	9 0			n.a.
T 14	23 7	26 16	3 25	25 20	1 58	22 36	0 12	27 21	3 38	22 32	0 54	23 44	0 29	15 19	0 17	18 50	0 52	25 8	1 36	12 44	12 10	9 4			n.a.
W15	23 13	27 53	4 10	25 29	2 0	22 49	0 15	27 23	3 40	22 33	0 54	23 43	0 29	15 20	0 17	18 50	0 52	25 8	1 36	12 41	12 9	9 7			n.a.
T 16	23 18	28 5	4 44	25 36	2 1	23 1	0 17	27 26	3 42	22 34	0 54	23 43	0 29	15 21	0 17	18 49	0 52	25 8	1 36	12 38	12 8	9 10			n.a.
F 17	23 23	26 45	5 3	25 42	2 2	23 12	0 19	27 28	3 44	22 35	0 54	23 42	0 29	15 22	0 17	18 49	0 52	25 8	1 36	12 35	12 7	9 13			n.a.
S 18	23 27	23 56	5 7	25 46	2 3	23 23	0 22	27 30	3 45	22 36	0 55	23 42	0 29	15 23	0 17	18 49	0 52	25 9	1 36	12 32	12 6	9 17			n.a.
S 19	23 31	19 49	4 54	25 48	2 3	23 33	0 24	27 32	3 47	22 37	0 55	23 41	0 29	15 24	0 17	18 48	0 52	25 9	1 36	12 30	12 4	9 20			n.a.
M20	23 34	14 38	4 25	25 48	2 3	23 42	0 26	27 34	3 49	22 39	0 55	23 40	0 29	15 25	0 17	18 48	0 52	25 9	1 36	12 29	12 3	9 23			n.a.
T 21	23 37	8 40	3 40	25 46	2 2	23 50	0 28	27 35	3 50	22 40	0 55	23 40	0 29	15 25	0 17	18 47	0 52	25 9	1 36	12 28	12 2	9 26			n.a.
W22	23 40	2 11	2 42	25 43	2 1	23 58	0 31	27 37	3 52	22 41	0 55	23 39	0 29	15 26	0 17	18 47	0 52	25 9	1 36	12 28	12 1	9 30			n.a.
T 23	23 42	4n30	1 33	25 37	1 59	24 5	0 33	27 38	3 53	22 43	0 56	23 39	0 29	15 27	0 17	18 46	0 52	25 10	1 36	12 28	12 0	9 33			n.a.
F 24	23 43	11 2	0 18	25 30	1 57	24 11	0 35	27 39	3 54	22 44	0 56	23 38	0 29	15 28	0 17	18 46	0 52	25 10	1 37	12 28	11 59	9 36			n.a.
S 25	23 44	17 4	1n 0	25 21	1 54	24 16	0 37	27 40	3 55	22 45	0 56	23 37	0 29	15 29	0 17	18 45	0 52	25 10	1 37	12 28	11 58	9 40			n.a.
S 26	23 45	22 10	2 13	25 9	1 50	24 21	0 39	27 41	3 57	22 46	0 56	23 37	0 29	15 30	0 17	18 45	0 52	25 10	1 37	12 27	11 57	9 43			n.a.
M27	23 45	25 53	3 18	24 56	1 46	24 25	0 41	27 42	3 58	22 48	0 56	23 36	0 30	15 31	0 17	18 44	0 52	25 10	1 37	12 26	11 56	9 46			n.a.
T 28	23 45	27 53	4 9	24 40	1 41	24 28	0 43	27 42	3 58	22 49	0 57	23 36	0 30	15 32	0 17	18 44	0 52	25 11	1 37	12 23	11 54	9 49			n.a.
W29	23 44	27 59	4 45	24 23	1 35	24 31	0 45	27 42	3 59	22 50	0 57	23 35	0 30	15 32	0 17	18 43	0 52	25 11	1 37	12 19	11 53	9 53			n.a.
T 30	23 42	26 19	5 2	24 4	1 29	24 32	0 47	27 42	4 0	22 52	0 57	23 34	0 30	15 33	0 17	18 43	0 52	25 11	1 37	12 16	11 52	9 56			n.a.
F 31	23s41	23n10	5n 2	23s43	1s21	24s33	0s49	27n42	4n 0	22n53	0n57	23s34	0s30	15s34	0n17	18s42	0s52	25s11	1s37	12n12	11n51	9s59			n.a.

Julian Day Number = 1555933.5, Delta T = 04h27m33s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'48, Lahiri = -10°12'47 Julian Calendar 1 Dec. 454 BCE == Greg. Calendar 26 Nov. 454 BCE

The year -453 astronomical counting style corresponds to year 454 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

JANUARY 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 17 4	5♑23'46	21♌49	20♑42	3♑42	25°R54	21°R47	13♑33	12♏41	10♒26	23♐ 8	1°R30	0♉36	26♎34	n.a.	S 1
S 2	6 21 1	6°24'39	4♍33	22°18	4°57	25♊32	21♋39	13°40	12°43	10°28	23°10	1♉23	0°33	26°41	n.a.	S 2
M 3	6 24 57	7°25'30	16°57	23°51	6°12	25° 9	21°32	13°47	12°46	10°30	23°11	1°18	0°30	26°47	n.a.	M 3
T 4	6 28 54	8°26'20	29° 3	25°21	7°27	24°47	21°24	13°54	12°48	10°32	23°13	1°16	0°27	26°54	n.a.	T 4
W 5	6 32 50	9°27'10	10♎58	26°47	8°43	24°26	21°17	14° 1	12°51	10°34	23°15	1°D15	0°23	27° 0	n.a.	W 5
T 6	6 36 47	10°27'58	22°46	28° 9	9°58	24° 5	21° 9	14° 9	12°53	10°36	23°17	1°16	0°20	27° 7	n.a.	T 6
F 7	6 40 43	11°28'45	4♏33	29°26	11°13	23°44	21° 1	14°16	12°55	10°38	23°19	1°R16	0°17	27°14	n.a.	F 7
S 8	6 44 40	12°29'30	16°25	0♒37	12°28	23°25	20°54	14°23	12°58	10°40	23°21	1°15	0°14	27°20	n.a.	S 8
S 9	6 48 36	13°30'15	28°26	1°42	13°43	23° 5	20°46	14°31	13° 0	10°42	23°23	1°11	0°11	27°27	n.a.	S 9
M10	6 52 33	14°30'58	10♐41	2°39	14°58	22°46	20°38	14°38	13° 2	10°44	23°25	1° 5	0° 7	27°34	n.a.	M10
T 11	6 56 30	15°31'40	23°11	3°29	16°13	22°28	20°30	14°45	13° 4	10°46	23°27	0°56	0° 4	27°40	n.a.	T 11
W12	7 0 26	16°32'21	5♑59	4° 9	17°28	22°11	20°22	14°52	13° 7	10°48	23°29	0°45	0° 1	27°47	n.a.	W12
T 13	7 4 23	17°33'00	19° 4	4°41	18°44	21°54	20°14	15° 0	13° 9	10°50	23°30	0°32	29♈58	27°54	n.a.	T 13
F 14	7 8 19	18°33'37	2♒25	5° 2	19°59	21°38	20° 6	15° 7	13°11	10°52	23°32	0°19	29°55	28° 0	n.a.	F 14
S 15	7 12 16	19°34'13	16° 0	5°14	21°14	21°23	19°58	15°14	13°13	10°54	23°34	0° 7	29°52	28° 7	n.a.	S 15
S 16	7 16 12	20°34'46	29°45	5°R15	22°29	21° 8	19°50	15°21	13°15	10°57	23°36	29♈57	29°48	28°14	n.a.	S 16
M17	7 20 9	21°35'18	13♓38	5° 5	23°44	20°54	19°43	15°29	13°17	10°59	23°38	29°50	29°45	28°20	n.a.	M17
T 18	7 24 6	22°35'48	27°35	4°46	24°59	20°41	19°35	15°36	13°18	11° 1	23°39	29°46	29°42	28°27	n.a.	T 18
W19	7 28 2	23°36'15	11♈37	4°16	26°14	20°29	19°27	15°43	13°20	11° 3	23°41	29°44	29°39	28°34	n.a.	W19
T 20	7 31 59	24°36'41	25°41	3°38	27°29	20°17	19°19	15°50	13°22	11° 5	23°43	29°44	29°36	28°40	n.a.	T 20
F 21	7 35 55	25°37'05	9♉47	2°52	28°44	20° 7	19°11	15°57	13°24	11° 7	23°45	29°43	29°33	28°47	n.a.	F 21
S 22	7 39 52	26°37'26	23°53	1°59	29°59	19°57	19° 3	16° 5	13°25	11°10	23°46	29°42	29°29	28°53	n.a.	S 22
S 23	7 43 48	27°37'46	8♊ 0	1° 1	1♒14	19°47	18°55	16°12	13°27	11°12	23°48	29°38	29°26	29° 0	n.a.	S 23
M24	7 47 45	28°38'03	22° 4	29♑59	2°28	19°39	18°48	16°19	13°29	11°14	23°50	29°32	29°23	29° 7	n.a.	M24
T 25	7 51 41	29°38'18	6♋ 2	28°55	3°43	19°32	18°40	16°26	13°30	11°16	23°52	29°22	29°20	29°13	n.a.	T 25
W26	7 55 38	0♒38'32	19°50	27°50	4°58	19°25	18°32	16°33	13°32	11°19	23°53	29°10	29°17	29°20	n.a.	W26
T 27	7 59 35	1°38'43	3♌25	26°46	6°13	19°19	18°25	16°40	13°33	11°21	23°55	28°57	29°14	29°27	n.a.	T 27
F 28	8 3 31	2°38'52	16°42	25°45	7°28	19°14	18°17	16°48	13°34	11°23	23°57	28°44	29°10	29°33	n.a.	F 28
S 29	8 7 28	3°39'00	29°41	24°47	8°43	19° 9	18°10	16°55	13°36	11°25	23°58	28°33	29° 7	29°40	n.a.	S 29
S 30	8 11 24	4°39'05	12♍21	23°54	9°57	19° 6	18° 2	17° 2	13°37	11°28	24° 0	28°23	29° 4	29°47	n.a.	S 30
M31	8 15 21	5♒39'09	24♍42	23♑ 6	11♒12	19♊ 3	17♋55	17♑ 9	13♏38	11♒30	24♐ 1	28♈17	29♈ 1	29♎53	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s38	18n54	4n45	23s20	1s13	24s33	0s51	27n42	4n 1	22n55	0n57	23s33	0s30	15s35	0n17	18s41	0s52	25s11	1s37	12n 9	11n50	10s 2		n.a.
S 2	23 36	13 55	4 15	22 56	1 4	24 33	0 53	27 42	4 1	22 56	0 58	23 32	0 30	15 36	0 17	18 41	0 52	25 12	1 37	12 6	11 49	10 6		n.a.
M 3	23 32	8 29	3 33	22 30	0 54	24 31	0 55	27 41	4 2	22 57	0 58	23 32	0 30	15 36	0 17	18 40	0 52	25 12	1 38	12 5	11 48	10 9		n.a.
T 4	23 29	2 52	2 43	22 3	0 43	24 29	0 57	27 40	4 2	22 59	0 58	23 31	0 30	15 37	0 17	18 40	0 52	25 12	1 38	12 4	11 47	10 12		n.a.
W 5	23 25	2s46	1 46	21 36	0 32	24 26	0 59	27 40	4 2	23 0	0 58	23 30	0 30	15 38	0 17	18 39	0 52	25 12	1 38	12 4	11 45	10 15		n.a.
T 6	23 20	8 16	0 45	21 7	0 19	24 22	1 0	27 39	4 2	23 1	0 58	23 29	0 30	15 39	0 17	18 39	0 52	25 12	1 38	12 4	11 44	10 19		n.a.
F 7	23 15	13 29	0s18	20 38	0 6	24 18	1 2	27 38	4 2	23 3	0 58	23 29	0 30	15 39	0 17	18 38	0 52	25 13	1 38	12 4	11 43	10 22		n.a.
S 8	23 9	18 14	1 20	20 9	0n 8	24 13	1 3	27 36	4 2	23 4	0 59	23 28	0 30	15 40	0 17	18 38	0 52	25 13	1 38	12 4	11 42	10 25		n.a.
S 9	23 3	22 20	2 19	19 40	0 23	24 7	1 5	27 35	4 1	23 6	0 59	23 27	0 30	15 41	0 17	18 37	0 52	25 13	1 38	12 2	11 41	10 28		n.a.
M10	22 57	25 31	3 13	19 12	0 39	24 0	1 7	27 34	4 1	23 7	0 59	23 27	0 31	15 41	0 17	18 36	0 52	25 13	1 38	12 0	11 40	10 32		n.a.
T 11	22 50	27 33	3 59	18 45	0 55	23 53	1 8	27 32	4 1	23 8	0 59	23 26	0 31	15 42	0 17	18 36	0 52	25 13	1 38	11 57	11 39	10 35		n.a.
W12	22 43	28 10	4 33	18 19	1 11	23 44	1 9	27 31	4 0	23 10	0 59	23 25	0 31	15 43	0 17	18 35	0 52	25 14	1 38	11 53	11 38	10 38		n.a.
T 13	22 35	27 14	4 55	17 55	1 28	23 36	1 11	27 29	3 59	23 11	0 59	23 24	0 31	15 43	0 17	18 35	0 52	25 14	1 39	11 49	11 36	10 41		n.a.
F 14	22 27	24 45	5 0	17 34	1 45	23 26	1 12	27 27	3 59	23 12	0 59	23 24	0 31	15 44	0 17	18 34	0 52	25 14	1 39	11 44	11 35	10 44		n.a.
S 15	22 18	20 51	4 49	17 14	2 2	23 16	1 13	27 26	3 58	23 14	1 0	23 23	0 31	15 45	0 17	18 33	0 52	25 14	1 39	11 40	11 34	10 48		n.a.
S 16	22 9	15 47	4 21	16 58	2 18	23 5	1 15	27 24	3 57	23 15	1 0	23 22	0 31	15 45	0 17	18 33	0 52	25 14	1 39	11 36	11 33	10 51		n.a.
M17	22 0	9 52	3 38	16 45	2 34	22 53	1 16	27 22	3 57	23 16	1 0	23 21	0 31	15 46	0 17	18 32	0 52	25 15	1 39	11 33	11 32	10 54		n.a.
T 18	21 50	3 26	2 41	16 35	2 50	22 40	1 17	27 20	3 56	23 17	1 0	23 21	0 31	15 46	0 17	18 32	0 52	25 15	1 39	11 32	11 31	10 57		n.a.
W19	21 40	3n13	1 34	16 28	3 4	22 27	1 18	27 18	3 55	23 19	1 0	23 20	0 31	15 47	0 17	18 31	0 52	25 15	1 39	11 31	11 30	11 1		n.a.
T 20	21 29	9 43	0 21	16 25	3 16	22 13	1 19	27 16	3 54	23 20	1 0	23 19	0 31	15 47	0 17	18 30	0 52	25 15	1 39	11 31	11 28	11 4		n.a.
F 21	21 18	15 46	0n53	16 25	3 27	21 59	1 20	27 15	3 53	23 21	1 0	23 18	0 31	15 48	0 17	18 30	0 52	25 15	1 39	11 31	11 27	11 7		n.a.
S 22	21 6	20 59	2 4	16 28	3 36	21 44	1 21	27 13	3 52	23 22	1 0	23 17	0 31	15 48	0 17	18 29	0 52	25 16	1 40	11 31	11 26	11 10		n.a.
S 23	20 54	25 1	3 7	16 34	3 43	21 28	1 21	27 11	3 50	23 24	1 0	23 17	0 32	15 49	0 17	18 29	0 52	25 16	1 40	11 29	11 25	11 13		n.a.
M24	20 42	27 29	3 59	16 42	3 48	21 12	1 22	27 9	3 49	23 25	1 1	23 16	0 32	15 49	0 17	18 28	0 52	25 16	1 40	11 27	11 24	11 17		n.a.
T 25	20 30	28 12	4 36	16 53	3 51	20 55	1 23	27 7	3 48	23 26	1 1	23 15	0 32	15 50	0 17	18 27	0 52	25 16	1 40	11 24	11 23	11 20		n.a.
W26	20 17	27 9	4 56	17 5	3 52	20 37	1 23	27 5	3 47	23 27	1 1	23 14	0 32	15 50	0 17	18 27	0 52	25 16	1 40	11 19	11 22	11 23		n.a.
T 27	20 3	24 29	4 59	17 19	3 50	20 19	1 24	27 4	3 45	23 28	1 1	23 13	0 32	15 51	0 17	18 26	0 52	25 17	1 40	11 15	11 20	11 26		n.a.
F 28	19 49	20 34	4 46	17 34	3 46	20 0	1 24	27 2	3 44	23 29	1 1	23 13	0 32	15 51	0 17	18 26	0 52	25 17	1 40	11 10	11 19	11 30		n.a.
S 29	19 35	15 44	4 18	17 50	3 40	19 41	1 25	27 0	3 43	23 30	1 1	23 12	0 32	15 52	0 17	18 25	0 52	25 17	1 40	11 6	11 18	11 33		n.a.
S 30	19 21	10 21	3 37	18 7	3 33	19 21	1 25	26 59	3 41	23 31	1 1	23 11	0 32	15 52	0 17	18 24	0 52	25 17	1 40	11 2	11 17	11 36		n.a.
M31	19s 6	4n41	2n47	18s23	3n24	19s 1	1s26	26n57	3n40	23n33	1n 1	23s10	0s32	15s52	0n17	18s24	0s52	25s17	1s41	11n 0	11n16	11s39		n.a.

Julian Day Number = 1555964.5, Delta T = 04h27m32s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'43, Lahiri = -10°12'43 Julian Calendar 1 Jan. 453 BCE == Greg. Calendar 27 Dec. 454 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

FEBRUARY 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 19 17	6♒39'11	6♎49	22°R25	12♒27	19°R 1	17°R48	17♑16	13♏39	11♒32	24♐ 3	28°R13	28♈58	29♎59	n.a.	T 1
W 2	8 23 14	7°39'11	18°44	21♑50	13°42	18♊59	17♋41	17°23	13°41	11°34	24° 4	28♈11	28°54	0♏ 7	n.a.	W 2
T 3	8 27 10	8°39'09	0♏33	21°22	14°56	18°D59	17°34	17°30	13°42	11°37	24° 6	28°D11	28°51	0°13	n.a.	T 3
F 4	8 31 7	9°39'06	12°21	21° 0	16°11	18°59	17°27	17°37	13°43	11°39	24° 7	28°R11	28°48	0°20	n.a.	F 4
S 5	8 35 3	10°39'01	24°14	20°46	17°26	19° 0	17°20	17°43	13°44	11°41	24° 9	28°10	28°45	0°27	n.a.	S 5
S 6	8 39 0	11°38'54	6♐17	20°38	18°41	19° 1	17°13	17°50	13°45	11°43	24°10	28° 7	28°42	0°33	n.a.	S 6
M 7	8 42 57	12°38'45	18°34	20°D36	19°55	19° 4	17° 7	17°57	13°45	11°46	24°12	28° 3	28°39	0°40	n.a.	M 7
T 8	8 46 53	13°38'35	1♑11	20°41	21°10	19° 7	17° 0	18° 4	13°46	11°48	24°13	27°55	28°35	0°46	n.a.	T 8
W 9	8 50 50	14°38'22	14° 9	20°51	22°24	19°10	16°54	18°11	13°47	11°50	24°15	27°45	28°32	0°53	n.a.	W 9
T 10	8 54 46	15°38'08	27°30	21° 7	23°39	19°15	16°48	18°18	13°48	11°53	24°16	27°34	28°29	1° 0	n.a.	T 10
F 11	8 58 43	16°37'52	11♒11	21°29	24°54	19°20	16°42	18°24	13°48	11°55	24°17	27°22	28°26	1° 6	n.a.	F 11
S 12	9 2 39	17°37'33	25°10	21°55	26° 8	19°26	16°36	18°31	13°49	11°57	24°19	27°10	28°23	1°13	n.a.	S 12
S 13	9 6 36	18°37'12	9♓22	22°26	27°23	19°32	16°30	18°38	13°49	11°59	24°20	27° 1	28°19	1°20	n.a.	S 13
M14	9 10 32	19°36'49	23°41	23° 1	28°37	19°39	16°24	18°44	13°50	12° 2	24°21	26°55	28°16	1°26	n.a.	M14
T 15	9 14 29	20°36'24	8♈ 3	23°40	29°52	19°47	16°19	18°51	13°50	12° 4	24°23	26°51	28°13	1°33	n.a.	T 15
W16	9 18 26	21°35'56	22°22	24°23	1♓ 6	19°55	16°14	18°57	13°51	12° 6	24°24	26°D49	28°10	1°40	n.a.	W16
T 17	9 22 22	22°35'26	6♉37	25°10	2°21	20° 4	16° 8	19° 4	13°51	12° 8	24°25	26°50	28° 7	1°46	n.a.	T 17
F 18	9 26 19	23°34'54	20°45	26° 0	3°35	20°13	16° 3	19°10	13°51	12°11	24°26	26°R50	28° 4	1°53	n.a.	F 18
S 19	9 30 15	24°34'19	4♊45	26°54	4°50	20°24	15°58	19°17	13°52	12°13	24°27	26°50	28° 0	2° 0	n.a.	S 19
S 20	9 34 12	25°33'41	18°36	27°50	6° 4	20°34	15°54	19°23	13°52	12°15	24°29	26°47	27°57	2° 6	n.a.	S 20
M21	9 38 8	26°33'01	2♋19	28°49	7°18	20°45	15°49	19°29	13°52	12°17	24°30	26°43	27°54	2°13	n.a.	M21
T 22	9 42 5	27°32'19	15°52	29°51	8°33	20°57	15°45	19°36	13°52	12°20	24°31	26°36	27°51	2°19	n.a.	T 22
W23	9 46 1	28°31'35	29°14	0♒55	9°47	21° 9	15°40	19°42	13°R52	12°22	24°32	26°27	27°48	2°26	n.a.	W23
T 24	9 49 58	29°30'48	12♌24	2° 2	11° 1	21°22	15°36	19°48	13°52	12°24	24°33	26°16	27°45	2°33	n.a.	T 24
F 25	9 53 55	0♓29'59	25°21	3°11	12°15	21°35	15°32	19°54	13°52	12°26	24°34	26° 6	27°41	2°39	n.a.	F 25
S 26	9 57 51	1°29'07	8♍ 2	4°22	13°30	21°49	15°29	20° 0	13°52	12°28	24°35	25°57	27°38	2°46	n.a.	S 26
S 27	10 1 48	2°28'13	20°30	5°36	14°44	22° 4	15°25	20° 6	13°51	12°30	24°36	25°50	27°35	2°53	n.a.	S 27
M28	10 5 44	3°27'18	2♎44	6°51	15°58	22°18	15°22	20°12	13°51	12°33	24°37	25°45	27°32	2°59	n.a.	M28
T 29	10 9 41	4♓26'20	14♎46	8♒ 9	17♓12	22♊33	15♋19	20♑18	13♏51	12♒35	24♐38	25♈42	27♈29	3♏ 6	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s51	1s 3	1n51	18s40	3n14	18s40	1s26	26n55	3n39	23n34	1n 1	23s 9	0s32	15s53	0n17	18s23	0s52	25s18	1s41	10n59	11n15	11s42		n.a.
W 2	18 36	6 40	0 50	18 56	3 3	18 18	1 26	26 54	3 37	23 35	1 1	23 9	0 32	15 53	0 17	18 22	0 52	25 18	1 41	10 58	11 14	11 46		n.a.
T 3	18 20	12 1	0s13	19 13	2 51	17 56	1 26	26 52	3 36	23 36	1 1	23 8	0 33	15 53	0 17	18 22	0 52	25 18	1 41	10 58	11 12	11 49		n.a.
F 4	18 4	16 55	1 14	19 28	2 39	17 34	1 26	26 51	3 34	23 36	1 1	23 7	0 33	15 54	0 17	18 21	0 52	25 18	1 41	10 58	11 11	11 52		n.a.
S 5	17 48	21 14	2 14	19 43	2 26	17 11	1 26	26 50	3 33	23 37	1 1	23 6	0 33	15 54	0 17	18 20	0 52	25 18	1 41	10 58	11 10	11 55		n.a.
S 6	17 31	24 43	3 8	19 58	2 13	16 47	1 26	26 48	3 31	23 38	1 1	23 5	0 33	15 54	0 17	18 20	0 52	25 19	1 41	10 57	11 9	11 58		n.a.
M 7	17 14	27 8	3 54	20 11	1 59	16 23	1 26	26 47	3 30	23 39	1 1	23 4	0 33	15 54	0 17	18 19	0 52	25 19	1 41	10 55	11 8	12 1		n.a.
T 8	16 57	28 15	4 30	20 24	1 46	15 59	1 26	26 46	3 28	23 40	1 1	23 4	0 33	15 55	0 17	18 19	0 52	25 19	1 42	10 52	11 7	12 5		n.a.
W 9	16 39	27 51	4 53	20 35	1 32	15 34	1 26	26 45	3 27	23 41	1 1	23 3	0 33	15 55	0 17	18 18	0 52	25 19	1 42	10 49	11 6	12 8		n.a.
T 10	16 21	25 52	5 2	20 46	1 19	15 9	1 25	26 43	3 25	23 42	1 1	23 2	0 33	15 55	0 17	18 17	0 52	25 19	1 42	10 44	11 4	12 11		n.a.
F 11	16 3	22 20	4 53	20 56	1 6	14 43	1 25	26 42	3 24	23 42	1 1	23 1	0 33	15 55	0 17	18 17	0 52	25 19	1 42	10 40	11 3	12 14		n.a.
S 12	15 45	17 29	4 27	21 4	0 53	14 17	1 24	26 41	3 22	23 43	1 1	23 0	0 33	15 55	0 17	18 16	0 52	25 20	1 42	10 36	11 2	12 17		n.a.
S 13	15 27	11 37	3 44	21 12	0 40	13 51	1 24	26 40	3 21	23 44	1 1	22 59	0 33	15 56	0 17	18 15	0 52	25 20	1 42	10 33	11 1	12 20		n.a.
M14	15 8	5 5	2 47	21 18	0 28	13 24	1 23	26 39	3 19	23 45	1 1	22 59	0 34	15 56	0 17	18 15	0 52	25 20	1 42	10 30	11 0	12 24		n.a.
T 15	14 49	1n44	1 38	21 23	0 16	12 57	1 23	26 38	3 18	23 45	1 1	22 58	0 34	15 56	0 17	18 14	0 52	25 20	1 42	10 29	10 59	12 27		n.a.
W16	14 29	8 27	0 24	21 27	0 4	12 30	1 22	26 38	3 16	23 46	1 1	22 57	0 34	15 56	0 17	18 14	0 52	25 20	1 43	10 28	10 58	12 30		n.a.
T 17	14 10	14 43	0n52	21 29	0s 7	12 2	1 21	26 37	3 15	23 47	1 1	22 56	0 34	15 56	0 17	18 13	0 52	25 21	1 43	10 28	10 56	12 33		n.a.
F 18	13 50	20 10	2 4	21 31	0 18	11 34	1 20	26 36	3 13	23 47	1 1	22 55	0 34	15 56	0 17	18 12	0 52	25 21	1 43	10 29	10 55	12 36		n.a.
S 19	13 30	24 26	3 8	21 31	0 28	11 6	1 19	26 35	3 12	23 48	1 1	22 55	0 34	15 56	0 17	18 12	0 52	25 21	1 43	10 28	10 54	12 39		n.a.
S 20	13 10	27 14	4 0	21 29	0 38	10 37	1 18	26 35	3 10	23 48	1 1	22 54	0 34	15 56	0 17	18 11	0 52	25 21	1 43	10 28	10 53	12 43		n.a.
M21	12 50	28 22	4 38	21 26	0 47	10 8	1 17	26 34	3 9	23 49	1 1	22 53	0 34	15 56	0 17	18 10	0 52	25 21	1 43	10 26	10 52	12 46		n.a.
T 22	12 29	27 45	4 59	21 22	0 57	9 39	1 16	26 33	3 7	23 49	1 1	22 52	0 34	15 56	0 17	18 10	0 52	25 21	1 43	10 23	10 51	12 49		n.a.
W23	12 8	25 32	5 4	21 17	1 5	9 10	1 15	26 33	3 6	23 50	1 1	22 51	0 35	15 56	0 17	18 9	0 53	25 22	1 44	10 20	10 50	12 52		n.a.
T 24	11 47	21 58	4 53	21 9	1 13	8 40	1 14	26 32	3 5	23 50	1 1	22 50	0 35	15 56	0 17	18 9	0 53	25 22	1 44	10 16	10 48	12 55		n.a.
F 25	11 26	17 25	4 26	21 1	1 21	8 10	1 13	26 32	3 3	23 51	1 1	22 50	0 35	15 56	0 17	18 8	0 53	25 22	1 44	10 13	10 47	12 58		n.a.
S 26	11 5	12 10	3 47	20 51	1 29	7 40	1 11	26 31	3 2	23 51	1 1	22 49	0 35	15 56	0 17	18 7	0 53	25 22	1 44	10 9	10 46	13 1		n.a.
S 27	10 44	6 31	2 57	20 40	1 35	7 10	1 10	26 30	3 0	23 51	1 1	22 48	0 35	15 56	0 17	18 7	0 53	25 22	1 44	10 7	10 45	13 5		n.a.
M28	10 22	0 44	2 0	20 27	1 42	6 39	1 9	26 30	2 59	23 52	1 1	22 47	0 35	15 56	0 17	18 6	0 53	25 23	1 44	10 5	10 44	13 8		n.a.
T 29	10s 0	5s 0	0n59	20s12	1s48	6s 9	1s 7	26n29	2n57	23n52	1n 1	22s47	0s35	15s56	0n17	18s 6	0s53	25s23	1s44	10n 4	10n43	13s11		n.a.

Julian Day Number = 1555995.5, Delta T = 04h27m31s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'39, Lahiri = -10°12'39 Julian Calendar 1 Feb. 453 BCE == Greg. Calendar 27 Jan. 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

MARCH 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 13 37	5♓25'20	26♎39	9♒28	18♓26	22♊49	15°R16	20♑24	13°R51	12♒37	24♐39	25°D42	27♈25	3♏13	n.a.	W 1
T 2	10 17 34	6°24'19	8♏28	10°49	19°40	23° 5	15♋13	20°30	13♏50	12°39	24°40	25♈42	27°22	3°19	n.a.	T 2
F 3	10 21 30	7°23'15	20°16	12°12	20°55	23°22	15°10	20°36	13°50	12°41	24°40	25°44	27°19	3°26	n.a.	F 3
S 4	10 25 27	8°22'10	2♐ 9	13°37	22° 9	23°39	15° 8	20°41	13°49	12°43	24°41	25°45	27°16	3°33	n.a.	S 4
S 5	10 29 23	9°21'03	14°11	15° 3	23°23	23°56	15° 5	20°47	13°49	12°45	24°42	25°R45	27°13	3°39	n.a.	S 5
M 6	10 33 20	10°19'54	26°29	16°31	24°37	24°14	15° 3	20°52	13°48	12°47	24°43	25°43	27°10	3°46	n.a.	M 6
T 7	10 37 17	11°18'43	9♑ 6	18° 1	25°51	24°32	15° 1	20°58	13°47	12°49	24°43	25°40	27° 6	3°53	n.a.	T 7
W 8	10 41 13	12°17'30	22° 7	19°32	27° 5	24°51	15° 0	21° 3	13°47	12°52	24°44	25°35	27° 3	3°59	n.a.	W 8
T 9	10 45 10	13°16'16	5♒32	21° 5	28°19	25°10	14°58	21° 9	13°46	12°54	24°45	25°29	27° 0	4° 6	n.a.	T 9
F 10	10 49 6	14°14'59	19°23	22°40	29°32	25°29	14°57	21°14	13°45	12°56	24°46	25°22	26°57	4°12	n.a.	F 10
S 11	10 53 3	15°13'41	3♓37	24°16	0♈46	25°49	14°55	21°19	13°44	12°58	24°46	25°15	26°54	4°19	n.a.	S 11
S 12	10 56 59	16°12'21	18° 8	25°54	2° 0	26° 9	14°54	21°25	13°43	13° 0	24°47	25°10	26°51	4°26	n.a.	S 12
M13	11 0 56	17°10'58	2♈51	27°33	3°14	26°29	14°54	21°30	13°42	13° 2	24°47	25° 7	26°47	4°32	n.a.	M13
T 14	11 4 52	18° 9'33	17°38	29°14	4°28	26°50	14°53	21°35	13°41	13° 3	24°48	25° 5	26°44	4°39	n.a.	T 14
W15	11 8 49	19° 8'06	2♉22	0♓56	5°42	27°11	14°53	21°40	13°40	13° 5	24°48	25°D 5	26°41	4°46	n.a.	W15
T 16	11 12 46	20° 6'37	16°57	2°41	6°55	27°33	14°52	21°45	13°39	13° 7	24°49	25° 6	26°38	4°52	n.a.	T 16
F 17	11 16 42	21° 5'06	1♊19	4°26	8° 9	27°55	14°D52	21°50	13°38	13° 9	24°49	25° 7	26°35	4°59	n.a.	F 17
S 18	11 20 39	22° 3'32	15°25	6°14	9°23	28°17	14°53	21°54	13°37	13°11	24°50	25°R 8	26°31	5° 6	n.a.	S 18
S 19	11 24 35	23° 1'57	29°15	8° 3	10°36	28°39	14°53	21°59	13°36	13°13	24°50	25° 8	26°28	5°12	n.a.	S 19
M20	11 28 32	24° 0'19	12♋48	9°53	11°50	29° 2	14°53	22° 4	13°34	13°15	24°50	25° 7	26°25	5°19	n.a.	M20
T 21	11 32 28	24°58'38	26° 6	11°45	13° 4	29°25	14°54	22° 8	13°33	13°17	24°51	25° 4	26°22	5°26	n.a.	T 21
W22	11 36 25	25°56'56	9♌ 8	13°39	14°17	29°48	14°55	22°13	13°32	13°18	24°51	25° 0	26°19	5°32	n.a.	W22
T 23	11 40 21	26°55'11	21°57	15°35	15°31	0♋12	14°56	22°17	13°30	13°20	24°51	24°56	26°16	5°39	n.a.	T 23
F 24	11 44 18	27°53'24	4♍32	17°32	16°44	0°36	14°57	22°22	13°29	13°22	24°52	24°51	26°12	5°46	n.a.	F 24
S 25	11 48 15	28°51'36	16°56	19°31	17°58	1° 0	14°59	22°26	13°27	13°24	24°52	24°47	26° 9	5°52	n.a.	S 25
S 26	11 52 11	29°49'45	29° 9	21°31	19°11	1°24	15° 0	22°30	13°26	13°25	24°52	24°44	26° 6	5°59	n.a.	S 26
M27	11 56 8	0♈47'52	11♎12	23°33	20°25	1°49	15° 2	22°34	13°24	13°27	24°52	24°42	26° 3	6° 5	n.a.	M27
T 28	12 0 4	1°45'58	23° 7	25°36	21°38	2°14	15° 4	22°38	13°23	13°29	24°52	24°D42	26° 0	6°12	n.a.	T 28
W29	12 4 1	2°44'02	4♏58	27°41	22°51	2°39	15° 6	22°42	13°21	13°30	24°52	24°42	25°56	6°19	n.a.	W29
T 30	12 7 57	3°42'04	16°45	29°46	24° 5	3° 4	15° 9	22°46	13°20	13°32	24°52	24°43	25°53	6°25	n.a.	T 30
F 31	12 11 54	4♈40'05	28♏34	1♈53	25♈18	3♋30	15♋11	22♑50	13♏18	13♒34	24♐52	24♈45	25♈50	6♏32	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s39	10s30	0s 5	19s56	1s53	5s38	1s 6	26n29	2n56	23n52	1n 1	22s46	0s35	15s56	0n17	18s 5	0s53	25s23	1s44	10n 3	10n41	13s14		n.a.
T 2	9 17	15 35	1 8	19 38	1 58	5 7	1 4	26 28	2 54	23 53	1 1	22 45	0 35	15 56	0 17	18 4	0 53	25 23	1 45	10 4	10 40	13 17		n.a.
F 3	8 55	20 7	2 9	19 19	2 3	4 36	1 2	26 28	2 53	23 53	1 1	22 44	0 36	15 56	0 17	18 4	0 53	25 23	1 45	10 4	10 39	13 20		n.a.
S 4	8 32	23 52	3 4	18 59	2 7	4 5	1 1	26 27	2 52	23 53	1 1	22 43	0 36	15 55	0 17	18 3	0 53	25 23	1 45	10 5	10 38	13 23		n.a.
S 5	8 10	26 38	3 52	18 36	2 10	3 34	0 59	26 27	2 50	23 53	1 1	22 43	0 36	15 55	0 17	18 3	0 53	25 24	1 45	10 5	10 37	13 26		n.a.
M 6	7 47	28 13	4 30	18 13	2 14	3 2	0 57	26 26	2 49	23 54	1 1	22 42	0 36	15 55	0 17	18 2	0 53	25 24	1 45	10 4	10 36	13 30		n.a.
T 7	7 25	28 22	4 57	17 47	2 16	2 31	0 55	26 26	2 47	23 54	1 1	22 41	0 36	15 55	0 17	18 2	0 53	25 24	1 45	10 3	10 35	13 33		n.a.
W 8	7 2	26 59	5 9	17 20	2 18	2 0	0 53	26 25	2 46	23 54	1 0	22 40	0 36	15 55	0 17	18 1	0 53	25 24	1 45	10 1	10 33	13 36		n.a.
T 9	6 39	24 3	5 5	16 52	2 20	1 28	0 51	26 24	2 45	23 54	1 0	22 40	0 36	15 54	0 17	18 0	0 53	25 24	1 46	9 59	10 32	13 39		n.a.
F 10	6 17	19 40	4 43	16 21	2 21	0 56	0 49	26 24	2 43	23 54	1 0	22 39	0 36	15 54	0 17	18 0	0 53	25 24	1 46	9 56	10 31	13 42		n.a.
S 11	5 54	14 5	4 3	15 50	2 22	0 25	0 47	26 23	2 42	23 54	1 0	22 38	0 37	15 54	0 17	17 59	0 53	25 25	1 46	9 54	10 30	13 45		n.a.
S 12	5 31	7 37	3 7	15 16	2 22	0n 7	0 45	26 22	2 41	23 54	1 0	22 38	0 37	15 54	0 17	17 59	0 53	25 25	1 46	9 52	10 29	13 48		n.a.
M13	5 8	0 39	1 58	14 41	2 21	0 39	0 43	26 22	2 39	23 54	1 0	22 37	0 37	15 53	0 17	17 58	0 53	25 25	1 46	9 50	10 28	13 51		n.a.
T 14	4 44	6n23	0 40	14 5	2 20	1 10	0 41	26 21	2 38	23 54	1 0	22 36	0 37	15 53	0 17	17 58	0 53	25 25	1 46	9 50	10 26	13 54		n.a.
W15	4 21	13 4	0n40	13 27	2 19	1 42	0 39	26 20	2 37	23 54	1 0	22 36	0 37	15 53	0 17	17 57	0 53	25 25	1 46	9 50	10 25	13 57		n.a.
T 16	3 58	18 59	1 57	12 47	2 17	2 13	0 37	26 19	2 36	23 54	1 0	22 35	0 37	15 52	0 17	17 57	0 53	25 25	1 47	9 50	10 24	14 1		n.a.
F 17	3 35	23 43	3 5	12 5	2 15	2 45	0 34	26 18	2 34	23 54	1 0	22 34	0 37	15 52	0 17	17 56	0 53	25 26	1 47	9 51	10 23	14 4		n.a.
S 18	3 11	26 56	4 1	11 23	2 12	3 16	0 32	26 17	2 33	23 54	1 0	22 34	0 37	15 52	0 17	17 56	0 53	25 26	1 47	9 51	10 22	14 7		n.a.
S 19	2 48	28 27	4 42	10 38	2 8	3 48	0 30	26 16	2 32	23 54	1 0	22 33	0 38	15 51	0 17	17 55	0 53	25 26	1 47	9 51	10 21	14 10		n.a.
M20	2 25	28 12	5 6	9 52	2 4	4 19	0 27	26 15	2 30	23 54	1 0	22 32	0 38	15 51	0 17	17 55	0 53	25 26	1 47	9 51	10 19	14 13		n.a.
T 21	2 1	26 19	5 13	9 5	1 59	4 50	0 25	26 14	2 29	23 54	1 0	22 32	0 38	15 51	0 17	17 54	0 53	25 26	1 47	9 50	10 18	14 16		n.a.
W22	1 38	23 4	5 3	8 16	1 54	5 21	0 23	26 13	2 28	23 53	0 59	22 31	0 38	15 50	0 17	17 54	0 53	25 26	1 47	9 48	10 17	14 19		n.a.
T 23	1 14	18 46	4 39	7 25	1 48	5 52	0 20	26 12	2 27	23 53	0 59	22 30	0 38	15 50	0 17	17 53	0 53	25 27	1 48	9 47	10 16	14 22		n.a.
F 24	0 51	13 42	4 1	6 33	1 42	6 23	0 18	26 11	2 26	23 53	0 59	22 30	0 38	15 49	0 17	17 53	0 53	25 27	1 48	9 45	10 15	14 25		n.a.
S 25	0 28	8 11	3 13	5 40	1 35	6 54	0 15	26 9	2 24	23 53	0 59	22 29	0 38	15 49	0 17	17 52	0 53	25 27	1 48	9 43	10 14	14 28		n.a.
S 26	0 4	2 25	2 16	4 45	1 28	7 25	0 13	26 8	2 23	23 53	0 59	22 29	0 39	15 48	0 17	17 52	0 53	25 27	1 48	9 42	10 12	14 31		n.a.
M27	0n19	3s22	1 14	3 49	1 20	7 55	0 10	26 6	2 22	23 52	0 59	22 28	0 39	15 48	0 17	17 51	0 53	25 27	1 48	9 42	10 11	14 34		n.a.
T 28	0 43	8 58	0 9	2 52	1 12	8 25	0 8	26 5	2 21	23 52	0 59	22 28	0 39	15 47	0 17	17 51	0 53	25 27	1 48	9 41	10 10	14 37		n.a.
W29	1 6	14 14	0s56	1 54	1 4	8 55	0 5	26 3	2 20	23 52	0 59	22 27	0 39	15 47	0 17	17 50	0 53	25 27	1 48	9 41	10 9	14 40		n.a.
T 30	1 29	18 57	1 59	0 55	0 54	9 25	0 2	26 1	2 18	23 51	0 59	22 27	0 39	15 46	0 17	17 50	0 53	25 28	1 49	9 42	10 8	14 44		n.a.
F 31	1n53	22s58	2s56	0n 4	0s45	9n55	0n 0	26n 0	2n17	23n51	0n59	22s26	0s39	15s46	0n17	17s49	0s53	25s28	1s49	9n42	10n 7	14s47		n.a.

Julian Day Number = 1556024.5, Delta T = 04h27m29s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'35, Lahiri = -10°12'35 Julian Calendar 1 March 453 BCE == Greg. Calendar 25 Feb. 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

APRIL 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 15 50	5♈38'04	10♐28	4♈ 2	26♈31	3♋56	15♋14	22♏54	13°R16	13♒35	24°R52	24♈46	25♈47	6♏39	n.a.	S 1
S 2	12 19 47	6°36'02	22°30	6°10	27°44	4°22	15°17	22°57	13♏14	13°37	24♐52	24°47	25°44	6°45	n.a.	S 2
M 3	12 23 43	7°33'59	4♏47	8°20	28°58	4°48	15°20	23° 1	13°12	13°38	24°52	24°R48	25°41	6°52	n.a.	M 3
T 4	12 27 40	8°31'54	17°22	10°30	0♉11	5°15	15°23	23° 4	13°11	13°40	24°52	24°48	25°37	6°59	n.a.	T 4
W 5	12 31 37	9°29'47	0♒19	12°40	1°24	5°42	15°26	23° 8	13° 9	13°41	24°52	24°47	25°34	7° 5	n.a.	W 5
T 6	12 35 33	10°27'40	13°42	14°50	2°37	6° 9	15°30	23°11	13° 7	13°43	24°52	24°45	25°31	7°12	n.a.	T 6
F 7	12 39 30	11°25'30	27°31	16°59	3°50	6°36	15°34	23°14	13° 5	13°44	24°52	24°44	25°28	7°19	n.a.	F 7
S 8	12 43 26	12°23'20	11♓46	19° 8	5° 3	7° 3	15°37	23°17	13° 3	13°45	24°52	24°42	25°25	7°25	n.a.	S 8
S 9	12 47 23	13°21'08	26°24	21°16	6°16	7°31	15°41	23°20	13° 1	13°47	24°52	24°41	25°22	7°32	n.a.	S 9
M10	12 51 19	14°18'54	11♈19	23°22	7°29	7°59	15°46	23°23	12°59	13°48	24°51	24°40	25°18	7°39	n.a.	M10
T 11	12 55 16	15°16'40	26°23	25°27	8°42	8°27	15°50	23°26	12°57	13°50	24°51	24°D40	25°15	7°45	n.a.	T 11
W12	12 59 12	16°14'23	11♉27	27°31	9°55	8°55	15°55	23°29	12°55	13°51	24°51	24°40	25°12	7°52	n.a.	W12
T 13	13 3 9	17°12'05	26°23	29°32	11° 8	9°23	15°59	23°32	12°53	13°52	24°50	24°41	25° 9	7°58	n.a.	T 13
F 14	13 7 6	18° 9'46	11♊ 4	1♉31	12°21	9°52	16° 4	23°34	12°50	13°53	24°50	24°41	25° 6	8° 5	n.a.	F 14
S 15	13 11 2	19° 7'25	25°24	3°27	13°33	10°21	16° 9	23°37	12°48	13°55	24°50	24°42	25° 2	8°12	n.a.	S 15
S 16	13 14 59	20° 5'02	9♋22	5°22	14°46	10°50	16°14	23°39	12°46	13°56	24°49	24°42	24°59	8°18	n.a.	S 16
M17	13 18 55	21° 2'37	22°56	7°13	15°59	11°19	16°20	23°41	12°44	13°57	24°49	24°R42	24°56	8°25	n.a.	M17
T 18	13 22 52	22° 0'11	6♌ 8	9° 1	17°12	11°48	16°25	23°43	12°42	13°58	24°48	24°42	24°53	8°32	n.a.	T 18
W19	13 26 48	22°57'43	19° 0	10°47	18°24	12°18	16°31	23°46	12°39	13°59	24°48	24°42	24°50	8°38	n.a.	W19
T 20	13 30 45	23°55'14	1♍35	12°30	19°37	12°47	16°36	23°48	12°37	14° 0	24°47	24°42	24°47	8°45	n.a.	T 20
F 21	13 34 41	24°52'43	13°56	14° 9	20°49	13°17	16°42	23°50	12°35	14° 1	24°47	24°D42	24°43	8°52	n.a.	F 21
S 22	13 38 38	25°50'11	26° 5	15°46	22° 2	13°47	16°48	23°51	12°32	14° 2	24°46	24°42	24°40	8°58	n.a.	S 22
S 23	13 42 35	26°47'37	8♎ 6	17°19	23°14	14°17	16°55	23°53	12°30	14° 3	24°46	24°42	24°37	9° 5	n.a.	S 23
M24	13 46 31	27°45'02	20° 0	18°49	24°27	14°47	17° 1	23°55	12°28	14° 4	24°45	24°R42	24°34	9°12	n.a.	M24
T 25	13 50 28	28°42'26	1♏50	20°16	25°39	15°18	17° 7	23°56	12°25	14° 5	24°45	24°42	24°31	9°18	n.a.	T 25
W26	13 54 24	29°39'49	13°38	21°40	26°52	15°48	17°14	23°58	12°23	14° 6	24°44	24°42	24°28	9°25	n.a.	W26
T 27	13 58 21	0♉37'11	25°27	23° 1	28° 4	16°19	17°21	23°59	12°21	14° 7	24°43	24°41	24°24	9°32	n.a.	T 27
F 28	14 2 17	1°34'33	7♐18	24°18	29°16	16°50	17°28	24° 0	12°18	14° 7	24°42	24°41	24°21	9°38	n.a.	F 28
S 29	14 6 14	2°31'53	19°16	25°32	0♊29	17°21	17°35	24° 1	12°16	14° 8	24°42	24°40	24°18	9°45	n.a.	S 29
S 30	14 10 10	3♉29'12	1♏22	26♉42	1♊41	17♋52	17♋42	24♏ 3	12♏13	14♒ 9	24♐41	24♈38	24♈15	9♏52	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n16	26s 3	3s47	1n 5	0s35	10n24	0n 3	25n58	2n16	23n50	0n59	22s26	0s39	15s45	0n17	17s49	0s54	25s28	1s49	9n43	10n 5	14s50		n.a.
S 2	2 39	28 0	4 28	2 6	0 25	10 53	0 5	25 56	2 15	23 50	0 59	22 25	0 39	15 45	0 17	17 49	0 54	25 28	1 49	9 43	10 4	14 53		n.a.
M 3	3 2	28 37	4 57	3 7	0 15	11 22	0 8	25 54	2 14	23 50	0 59	22 25	0 40	15 44	0 17	17 48	0 54	25 28	1 49	9 44	10 3	14 56		n.a.
T 4	3 26	27 48	5 14	4 9	0 4	11 51	0 11	25 51	2 13	23 49	0 58	22 24	0 40	15 44	0 17	17 48	0 54	25 28	1 49	9 44	10 2	14 59		n.a.
W 5	3 49	25 28	5 15	5 10	0n 6	12 19	0 13	25 49	2 12	23 49	0 58	22 24	0 40	15 43	0 17	17 47	0 54	25 28	1 49	9 43	10 1	15 2		n.a.
T 6	4 12	21 42	4 59	6 11	0 17	12 47	0 16	25 47	2 11	23 48	0 58	22 23	0 40	15 43	0 17	17 47	0 54	25 29	1 50	9 43	10 0	15 5		n.a.
F 7	4 35	16 39	4 26	7 11	0 28	13 15	0 19	25 44	2 9	23 48	0 58	22 23	0 40	15 42	0 17	17 47	0 54	25 29	1 50	9 42	9 58	15 8		n.a.
S 8	4 57	10 34	3 36	8 11	0 38	13 43	0 21	25 42	2 8	23 47	0 58	22 23	0 40	15 41	0 17	17 46	0 54	25 29	1 50	9 41	9 57	15 11		n.a.
S 9	5 20	3 45	2 30	9 9	0 49	14 10	0 24	25 39	2 7	23 47	0 58	22 22	0 41	15 41	0 17	17 46	0 54	25 29	1 50	9 41	9 56	15 14		n.a.
M10	5 43	3n25	1 13	10 6	0 59	14 37	0 27	25 36	2 6	23 46	0 58	22 22	0 41	15 40	0 17	17 45	0 54	25 29	1 50	9 41	9 55	15 17		n.a.
T 11	6 6	10 28	0n10	11 2	1 9	15 3	0 29	25 34	2 5	23 45	0 58	22 22	0 41	15 39	0 17	17 45	0 54	25 29	1 50	9 41	9 54	15 20		n.a.
W12	6 28	16 55	1 32	11 56	1 18	15 29	0 32	25 31	2 4	23 45	0 58	22 21	0 41	15 39	0 17	17 45	0 54	25 29	1 50	9 41	9 52	15 23		n.a.
T 13	6 50	22 18	2 47	12 48	1 27	15 55	0 35	25 28	2 3	23 44	0 58	22 21	0 41	15 38	0 17	17 44	0 54	25 29	1 51	9 41	9 51	15 26		n.a.
F 14	7 13	26 11	3 50	13 39	1 36	16 20	0 37	25 24	2 2	23 43	0 58	22 21	0 41	15 38	0 17	17 44	0 54	25 30	1 51	9 41	9 50	15 29		n.a.
S 15	7 35	28 17	4 37	14 27	1 44	16 45	0 40	25 21	2 1	23 43	0 58	22 20	0 41	15 37	0 17	17 44	0 54	25 30	1 51	9 41	9 49	15 32		n.a.
S 16	7 57	28 30	5 6	15 13	1 51	17 9	0 43	25 18	2 0	23 42	0 57	22 20	0 42	15 36	0 17	17 43	0 54	25 30	1 51	9 41	9 48	15 35		n.a.
M17	8 19	26 59	5 17	15 57	1 58	17 33	0 45	25 14	1 59	23 41	0 57	22 20	0 42	15 35	0 17	17 43	0 54	25 30	1 51	9 41	9 47	15 38		n.a.
T 18	8 41	24 0	5 11	16 38	2 4	17 57	0 48	25 11	1 58	23 41	0 57	22 20	0 42	15 35	0 17	17 43	0 54	25 30	1 51	9 41	9 45	15 41		n.a.
W19	9 2	19 54	4 50	17 17	2 9	18 20	0 50	25 7	1 57	23 40	0 57	22 19	0 42	15 34	0 17	17 43	0 54	25 30	1 51	9 41	9 44	15 44		n.a.
T 20	9 24	15 0	4 14	17 54	2 13	18 43	0 53	25 3	1 56	23 39	0 57	22 19	0 42	15 33	0 17	17 42	0 54	25 30	1 51	9 41	9 43	15 47		n.a.
F 21	9 45	9 35	3 28	18 29	2 17	19 5	0 55	24 59	1 55	23 38	0 57	22 19	0 42	15 33	0 17	17 42	0 54	25 30	1 52	9 41	9 42	15 50		n.a.
S 22	10 7	3 54	2 32	19 0	2 20	19 27	0 58	24 55	1 54	23 37	0 57	22 19	0 42	15 32	0 17	17 42	0 54	25 31	1 52	9 41	9 41	15 53		n.a.
S 23	10 28	1s52	1 31	19 30	2 23	19 48	1 0	24 51	1 53	23 36	0 57	22 19	0 43	15 31	0 17	17 42	0 54	25 31	1 52	9 41	9 40	15 56		n.a.
M24	10 49	7 31	0 26	19 57	2 24	20 8	1 3	24 46	1 52	23 36	0 57	22 18	0 43	15 31	0 17	17 41	0 54	25 31	1 52	9 41	9 38	15 59		n.a.
T 25	11 9	12 53	0s40	20 22	2 25	20 29	1 5	24 42	1 51	23 35	0 57	22 18	0 43	15 30	0 17	17 41	0 54	25 31	1 52	9 41	9 37	16 2		n.a.
W26	11 30	17 47	1 43	20 45	2 25	20 48	1 7	24 37	1 50	23 34	0 57	22 18	0 43	15 29	0 17	17 41	0 54	25 31	1 52	9 41	9 36	16 5		n.a.
T 27	11 50	22 0	2 43	21 5	2 24	21 7	1 10	24 32	1 49	23 33	0 57	22 18	0 43	15 28	0 17	17 41	0 54	25 31	1 52	9 41	9 35	16 8		n.a.
F 28	12 11	25 21	3 35	21 23	2 22	21 26	1 12	24 28	1 48	23 32	0 57	22 18	0 43	15 28	0 17	17 40	0 55	25 31	1 53	9 41	9 34	16 11		n.a.
S 29	12 31	27 36	4 19	21 39	2 20	21 44	1 14	24 23	1 47	23 31	0 56	22 18	0 44	15 27	0 17	17 40	0 55	25 31	1 53	9 40	9 32	16 14		n.a.
S 30	12n50	28s36	4s51	21n53	2n16	22n 1	1n17	24n17	1n46	23n30	0n56	22s18	0s44	15s26	0n17	17s40	0s55	25s31	1s53	9n40	9n31	16s16		n.a.

Julian Day Number = 1556055.5, Delta T = 04h27m28s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'31, Lahiri = -10°12'30 Julian Calendar 1 Apr. 453 BCE == Greg. Calendar 27 March 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

MAY 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 14 7	4♉26'31	13♑40	27♉49	2♊53	18♋23	17♋49	24♑ 4	12°R11	14♒10	24°R40	24°R38	24♈12	9♏58	n.a.	M 1
T 2	14 18 4	5°23'49	26°15	28°52	4° 5	18°55	17°56	24° 4	12♏ 8	14°10	24♐39	24°D37	24° 8	10° 5	n.a.	T 2
W 3	14 22 0	6°21'07	9♒ 9	29°52	5°17	19°26	18° 4	24° 5	12° 6	14°11	24°39	24°D37	24° 5	10°11	n.a.	W 3
T 4	14 25 57	7°18'24	22°25	0♊48	6°29	19°58	18°12	24° 6	12° 4	14°12	24°38	24°37	24° 2	10°18	n.a.	T 4
F 5	14 29 53	8°15'40	6♓ 6	1°40	7°41	20°30	18°19	24° 6	12° 1	14°12	24°37	24°38	23°59	10°25	n.a.	F 5
S 6	14 33 50	9°12'56	20°13	2°29	8°53	21° 1	18°27	24° 7	11°59	14°13	24°36	24°39	23°56	10°31	n.a.	S 6
S 7	14 37 46	10°10'11	4♈45	3°13	10° 5	21°34	18°35	24° 7	11°56	14°13	24°35	24°40	23°53	10°38	n.a.	S 7
M 8	14 41 43	11° 7'26	19°37	3°54	11°17	22° 6	18°43	24° 7	11°54	14°14	24°34	24°R41	23°49	10°45	n.a.	M 8
T 9	14 45 39	12° 4'40	4♉43	4°30	12°29	22°38	18°52	24° 8	11°51	14°14	24°33	24°40	23°46	10°51	n.a.	T 9
W10	14 49 36	13° 1'53	19°55	5° 3	13°41	23°10	19° 0	24°R 8	11°49	14°15	24°32	24°39	23°43	10°58	n.a.	W10
T 11	14 53 33	13°59'06	5♊ 3	5°30	14°52	23°43	19° 9	24° 8	11°46	14°15	24°31	24°38	23°40	11° 5	n.a.	T 11
F 12	14 57 29	14°56'19	19°58	5°54	16° 4	24°16	19°17	24° 8	11°44	14°16	24°30	24°35	23°37	11°11	n.a.	F 12
S 13	15 1 26	15°53'30	4♋32	6°13	17°16	24°49	19°26	24° 7	11°41	14°16	24°29	24°32	23°34	11°18	n.a.	S 13
S 14	15 5 22	16°50'41	18°41	6°28	18°28	25°21	19°35	24° 7	11°39	14°16	24°28	24°30	23°30	11°25	n.a.	S 14
M15	15 9 19	17°47'51	2♌22	6°38	19°39	25°54	19°44	24° 7	11°36	14°17	24°27	24°28	23°27	11°31	n.a.	M15
T 16	15 13 15	18°45'01	15°36	6°43	20°51	26°28	19°53	24° 6	11°34	14°17	24°26	24°D28	23°24	11°38	n.a.	T 16
W17	15 17 12	19°42'09	28°26	6°R44	22° 2	27° 1	20° 2	24° 5	11°32	14°17	24°25	24°28	23°21	11°45	n.a.	W17
T 18	15 21 9	20°39'17	10♍56	6°40	23°14	27°34	20°11	24° 5	11°29	14°17	24°24	24°29	23°18	11°51	n.a.	T 18
F 19	15 25 5	21°36'24	23° 9	6°32	24°25	28° 8	20°20	24° 4	11°27	14°17	24°23	24°30	23°14	11°58	n.a.	F 19
S 20	15 29 2	22°33'30	5♎10	6°20	25°36	28°41	20°30	24° 3	11°24	14°17	24°21	24°32	23°11	12° 5	n.a.	S 20
S 21	15 32 58	23°30'36	17° 3	6° 4	26°48	29°15	20°39	24° 2	11°22	14°18	24°20	24°33	23° 8	12°11	n.a.	S 21
M22	15 36 55	24°27'42	28°52	5°43	27°59	29°49	20°49	24° 1	11°19	14°18	24°19	24°R33	23° 5	12°18	n.a.	M22
T 23	15 40 51	25°24'47	10♏40	5°19	29°10	0♌23	20°59	24° 0	11°17	14°R18	24°18	24°32	23° 2	12°25	n.a.	T 23
W24	15 44 48	26°21'52	22°29	4°52	0♋21	0°57	21° 9	23°58	11°15	14°18	24°17	24°29	22°59	12°31	n.a.	W24
T 25	15 48 44	27°18'57	4♐21	4°22	1°32	1°31	21°19	23°57	11°12	14°17	24°15	24°25	22°55	12°38	n.a.	T 25
F 26	15 52 41	28°16'02	16°20	3°50	2°43	2° 5	21°29	23°55	11°10	14°17	24°14	24°20	22°52	12°44	n.a.	F 26
S 27	15 56 38	29°13'07	28°26	3°16	3°54	2°39	21°39	23°54	11° 8	14°17	24°13	24°14	22°49	12°51	n.a.	S 27
S 28	16 0 34	0♊10'12	10♑41	2°41	5° 5	3°14	21°49	23°52	11° 5	14°17	24°12	24° 8	22°46	12°58	n.a.	S 28
M29	16 4 31	1° 7'17	23° 7	2° 5	6°16	3°48	21°59	23°50	11° 3	14°17	24°10	24° 3	22°43	13° 4	n.a.	M29
T 30	16 8 27	2° 4'23	5♒46	1°28	7°26	4°23	22° 9	23°49	11° 1	14°17	24° 9	23°58	22°39	13°11	n.a.	T 30
W31	16 12 24	3♊ 1'28	18♒41	0♊53	8♋37	4♌58	22♋20	23♑47	10♏59	14♒17	24♐ 8	23♈56	22♈36	13♏18	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n10	28s12	5s11	22n 4	2n12	22n18	1n19	24n12	1n45	23n29	0n56	22s18	0s44	15s25	0n17	17s40	0s55	25s32	1s53	9n40	9n30	16s19		n.a.
T 2	13 30	26 21	5 17	22 14	2 7	22 34	1 21	24 7	1 44	23 28	0 56	22 18	0 44	15 25	0 17	17 40	0 55	25 32	1 53	9 39	9 29	16 22		n.a.
W 3	13 49	23 7	5 7	22 22	2 1	22 49	1 23	24 1	1 43	23 27	0 56	22 18	0 44	15 24	0 17	17 40	0 55	25 32	1 53	9 39	9 28	16 25		n.a.
T 4	14 8	18 38	4 41	22 27	1 55	23 4	1 25	23 56	1 42	23 25	0 56	22 18	0 44	15 23	0 17	17 39	0 55	25 32	1 53	9 40	9 27	16 28		n.a.
F 5	14 27	13 4	3 58	22 31	1 47	23 18	1 27	23 50	1 41	23 24	0 56	22 18	0 45	15 22	0 17	17 39	0 55	25 32	1 54	9 40	9 25	16 31		n.a.
S 6	14 45	6 40	2 59	22 33	1 39	23 32	1 29	23 44	1 40	23 23	0 56	22 18	0 45	15 22	0 17	17 39	0 55	25 32	1 54	9 40	9 24	16 34		n.a.
S 7	15 4	0n16	1 48	22 33	1 30	23 45	1 31	23 38	1 39	23 22	0 56	22 18	0 45	15 21	0 17	17 39	0 55	25 32	1 54	9 41	9 23	16 37		n.a.
M 8	15 22	7 20	0 28	22 31	1 20	23 57	1 33	23 32	1 38	23 21	0 56	22 18	0 45	15 20	0 17	17 39	0 55	25 32	1 54	9 41	9 22	16 40		n.a.
T 9	15 40	14 8	0n55	22 27	1 9	24 9	1 34	23 26	1 37	23 20	0 56	22 18	0 45	15 19	0 17	17 39	0 55	25 32	1 54	9 41	9 21	16 43		n.a.
W10	15 57	20 7	2 15	22 22	0 58	24 20	1 36	23 19	1 37	23 18	0 56	22 19	0 45	15 19	0 17	17 39	0 55	25 32	1 54	9 40	9 19	16 46		n.a.
T 11	16 15	24 47	3 25	22 15	0 46	24 30	1 38	23 13	1 36	23 17	0 56	22 19	0 45	15 18	0 17	17 39	0 55	25 32	1 54	9 40	9 18	16 49		n.a.
F 12	16 32	27 41	4 20	22 7	0 33	24 40	1 39	23 6	1 35	23 16	0 56	22 19	0 46	15 17	0 17	17 39	0 55	25 33	1 54	9 39	9 17	16 52		n.a.
S 13	16 49	28 36	4 56	21 57	0 19	24 48	1 41	22 59	1 34	23 14	0 56	22 19	0 46	15 16	0 17	17 39	0 55	25 33	1 55	9 38	9 16	16 55		n.a.
S 14	17 5	27 36	5 13	21 45	0 5	24 57	1 42	22 52	1 33	23 13	0 56	22 19	0 46	15 16	0 17	17 39	0 55	25 33	1 55	9 37	9 15	16 57		n.a.
M15	17 22	24 57	5 12	21 33	0s 9	25 4	1 44	22 45	1 32	23 12	0 56	22 20	0 46	15 15	0 17	17 38	0 55	25 33	1 55	9 36	9 13	17 0		n.a.
T 16	17 38	21 2	4 54	21 19	0 25	25 11	1 45	22 38	1 31	23 10	0 55	22 20	0 46	15 14	0 17	17 38	0 55	25 33	1 55	9 36	9 12	17 3		n.a.
W17	17 53	16 15	4 22	21 3	0 40	25 17	1 46	22 30	1 30	23 9	0 55	22 20	0 46	15 13	0 17	17 38	0 55	25 33	1 55	9 36	9 11	17 6		n.a.
T 18	18 9	10 54	3 37	20 47	0 56	25 22	1 48	22 23	1 29	23 7	0 55	22 20	0 47	15 13	0 17	17 38	0 55	25 33	1 55	9 36	9 10	17 9		n.a.
F 19	18 24	5 16	2 44	20 29	1 13	25 27	1 49	22 15	1 29	23 6	0 55	22 21	0 47	15 12	0 17	17 38	0 55	25 33	1 55	9 37	9 9	17 12		n.a.
S 20	18 39	0s29	1 45	20 11	1 29	25 30	1 50	22 7	1 28	23 5	0 55	22 21	0 47	15 11	0 17	17 38	0 55	25 33	1 55	9 38	9 8	17 15		n.a.
S 21	18 54	6 9	0 41	19 52	1 46	25 33	1 51	21 59	1 27	23 3	0 55	22 21	0 47	15 10	0 17	17 38	0 56	25 33	1 56	9 38	9 6	17 18		n.a.
M22	19 8	11 35	0s24	19 32	2 2	25 36	1 52	21 51	1 26	23 1	0 55	22 22	0 47	15 10	0 17	17 38	0 56	25 33	1 56	9 38	9 5	17 20		n.a.
T 23	19 22	16 36	1 27	19 12	2 18	25 37	1 52	21 43	1 25	23 0	0 55	22 22	0 47	15 9	0 17	17 39	0 56	25 33	1 56	9 38	9 4	17 23		n.a.
W24	19 36	21 0	2 27	18 52	2 34	25 38	1 53	21 35	1 24	22 58	0 55	22 23	0 48	15 8	0 17	17 39	0 56	25 33	1 56	9 37	9 3	17 26		n.a.
T 25	19 49	24 34	3 20	18 31	2 49	25 39	1 54	21 26	1 23	22 57	0 55	22 23	0 48	15 7	0 17	17 39	0 56	25 33	1 56	9 35	9 2	17 29		n.a.
F 26	20 2	27 7	4 6	18 11	3 4	25 38	1 55	21 18	1 22	22 55	0 55	22 23	0 48	15 7	0 17	17 39	0 56	25 34	1 56	9 33	9 0	17 32		n.a.
S 27	20 15	28 25	4 40	17 51	3 18	25 37	1 55	21 9	1 22	22 53	0 55	22 24	0 48	15 6	0 17	17 39	0 56	25 34	1 56	9 31	8 59	17 35		n.a.
S 28	20 27	28 20	5 2	17 32	3 31	25 35	1 55	21 0	1 21	22 52	0 55	22 24	0 48	15 5	0 17	17 39	0 56	25 34	1 56	9 29	8 58	17 38		n.a.
M29	20 39	26 51	5 11	17 13	3 42	25 32	1 56	20 51	1 20	22 50	0 55	22 25	0 48	15 5	0 17	17 39	0 56	25 34	1 57	9 27	8 57	17 40		n.a.
T 30	20 51	23 59	5 4	16 56	3 53	25 28	1 56	20 42	1 19	22 48	0 55	22 25	0 49	15 4	0 17	17 39	0 56	25 34	1 57	9 25	8 56	17 43		n.a.
W31	21n 2	19s53	4s42	16n39	4s 2	25n24	1n56	20n32	1n18	22n47	0n55	22s26	0s49	15s 3	0n17	17s39	0s56	25s34	1s57	9n24	8n54	17s46		n.a.

Julian Day Number = 1556085.5, Delta T = 04h27m27s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'27, Lahiri = -10°12'26 Julian Calendar 1 May 453 BCE == Greg. Calendar 26 Apr. 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

JUNE 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 16 20	3♊58'34	1♓55	0°R18	9♋48	5♌32	22♋30	23°R45	10°R56	14°R16	24°R 6	23°D55	22♈33	13♏24	n.a.	T 1
F 2	16 20 17	4°55'40	15°29	29♉46	10°58	6° 7	22°41	23♑42	10♏54	14♒16	24♐ 5	23♈55	22°30	13°31	n.a.	F 2
S 3	16 24 13	5°52'47	29°24	29°15	12° 9	6°42	22°52	23°40	10°52	14°16	24° 4	23°56	22°27	13°38	n.a.	S 3
S 4	16 28 10	6°49'54	13♈43	28°48	13°19	7°17	23° 2	23°38	10°50	14°15	24° 2	23°57	22°24	13°44	n.a.	S 4
M 5	16 32 7	7°47'02	28°21	28°24	14°30	7°52	23°13	23°36	10°48	14°15	24° 1	23°R58	22°20	13°51	n.a.	M 5
T 6	16 36 3	8°44'10	13♉16	28° 4	15°40	8°28	23°24	23°33	10°46	14°14	24° 0	23°56	22°17	13°58	n.a.	T 6
W 7	16 40 0	9°41'19	28°21	27°48	16°50	9° 3	23°35	23°31	10°44	14°14	23°58	23°53	22°14	14° 4	n.a.	W 7
T 8	16 43 56	10°38'28	13♊26	27°36	18° 0	9°39	23°46	23°28	10°42	14°13	23°57	23°48	22°11	14°11	n.a.	T 8
F 9	16 47 53	11°35'37	28°22	27°30	19°10	10°14	23°57	23°25	10°40	14°13	23°56	23°41	22° 8	14°18	n.a.	F 9
S 10	16 51 49	12°32'47	13♋ 1	27°D28	20°20	10°50	24° 9	23°22	10°38	14°12	23°54	23°33	22° 5	14°24	n.a.	S 10
S 11	16 55 46	13°29'57	27°16	27°31	21°30	11°25	24°20	23°20	10°36	14°12	23°53	23°26	22° 1	14°31	n.a.	S 11
M12	16 59 43	14°27'07	11♌ 3	27°40	22°40	12° 1	24°31	23°17	10°34	14°11	23°51	23°21	21°58	14°38	n.a.	M12
T 13	17 3 39	15°24'17	24°22	27°54	23°50	12°37	24°43	23°14	10°32	14°11	23°50	23°17	21°55	14°44	n.a.	T 13
W14	17 7 36	16°21'28	7♍15	28°14	25° 0	13°13	24°54	23°11	10°30	14°10	23°48	23°14	21°52	14°51	n.a.	W14
T 15	17 11 32	17°18'38	19°44	28°39	26°10	13°49	25° 5	23° 7	10°28	14° 9	23°47	23°D14	21°49	14°58	n.a.	T 15
F 16	17 15 29	18°15'49	1♎56	29°10	27°19	14°25	25°17	23° 4	10°27	14° 8	23°46	23°15	21°45	15° 4	n.a.	F 16
S 17	17 19 25	19°13'01	13°54	29°46	28°29	15° 2	25°29	23° 1	10°25	14° 8	23°44	23°16	21°42	15°11	n.a.	S 17
S 18	17 23 22	20°10'13	25°45	0♊28	29°38	15°38	25°40	22°57	10°23	14° 7	23°43	23°R16	21°39	15°18	n.a.	S 18
M19	17 27 18	21° 7'25	7♏32	1°15	0♌47	16°14	25°52	22°54	10°21	14° 6	23°41	23°15	21°36	15°24	n.a.	M19
T 20	17 31 15	22° 4'38	19°21	2° 7	1°56	16°51	26° 4	22°50	10°20	14° 5	23°40	23°12	21°33	15°31	n.a.	T 20
W21	17 35 12	23° 1'51	1♐13	3° 5	3° 6	17°28	26°16	22°47	10°18	14° 4	23°38	23° 6	21°30	15°38	n.a.	W21
T 22	17 39 8	23°59'05	13°13	4° 8	4°15	18° 4	26°28	22°43	10°17	14° 3	23°37	22°58	21°26	15°44	n.a.	T 22
F 23	17 43 5	24°56'20	25°22	5°16	5°23	18°41	26°40	22°40	10°15	14° 3	23°36	22°48	21°23	15°51	n.a.	F 23
S 24	17 47 1	25°53'36	7♑40	6°29	6°32	19°18	26°52	22°36	10°14	14° 2	23°34	22°37	21°20	15°58	n.a.	S 24
S 25	17 50 58	26°50'53	20° 9	7°47	7°41	19°55	27° 4	22°32	10°12	14° 1	23°33	22°26	21°17	16° 4	n.a.	S 25
M26	17 54 54	27°48'11	2♒50	9°10	8°50	20°32	27°16	22°28	10°11	14° 0	23°31	22°15	21°14	16°11	n.a.	M26
T 27	17 58 51	28°45'29	15°42	10°37	9°58	21° 9	27°28	22°24	10° 9	13°59	23°30	22° 7	21°11	16°18	n.a.	T 27
W28	18 2 48	29°42'49	28°47	12° 9	11° 6	21°46	27°40	22°20	10° 8	13°58	23°28	22° 1	21° 7	16°24	n.a.	W28
T 29	18 6 44	0♋40'10	12♓ 6	13°45	12°15	22°23	27°53	22°16	10° 7	13°56	23°27	21°57	21° 4	16°31	n.a.	T 29
F 30	18 10 41	1♋37'33	25♓39	15♊25	13♌23	23♌ 0	28♋ 5	22♑12	10♏ 6	13♒55	23♐26	21♈56	21♈ 1	16♏38	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n13	14s44	4s 5	16n25	4s10	25n19	1n56	20n23	1n17	22n45	0n55	22s26	0s49	15s 3	0n17	17s39	0s56	25s34	1s57	9n24	8n53	17s49		n.a.
F 2	21 24	8 46	3 14	16 12	4 16	25 13	1 56	20 13	1 17	22 43	0 55	22 27	0 49	15 2	0 17	17 39	0 56	25 34	1 57	9 24	8 52	17 52		n.a.
S 3	21 34	2 13	2 9	16 0	4 21	25 7	1 56	20 4	1 16	22 41	0 55	22 27	0 49	15 1	0 17	17 40	0 56	25 34	1 57	9 24	8 51	17 55		n.a.
S 4	21 44	4n38	0 55	15 51	4 24	25 0	1 56	19 54	1 15	22 39	0 55	22 28	0 49	15 1	0 17	17 40	0 56	25 34	1 57	9 25	8 50	17 57		n.a.
M 5	21 54	11 24	0n24	15 44	4 26	24 52	1 56	19 44	1 14	22 37	0 55	22 28	0 49	15 0	0 17	17 40	0 56	25 34	1 57	9 25	8 48	18 0		n.a.
T 6	22 3	17 39	1 43	15 39	4 27	24 44	1 55	19 34	1 13	22 35	0 55	22 29	0 50	14 59	0 16	17 40	0 56	25 34	1 57	9 24	8 47	18 3		n.a.
W 7	22 12	22 53	2 55	15 37	4 25	24 35	1 55	19 23	1 12	22 34	0 55	22 30	0 50	14 59	0 16	17 40	0 56	25 34	1 58	9 23	8 46	18 6		n.a.
T 8	22 20	26 36	3 55	15 37	4 23	24 25	1 54	19 13	1 12	22 32	0 55	22 30	0 50	14 58	0 16	17 40	0 56	25 34	1 58	9 21	8 45	18 9		n.a.
F 9	22 28	28 23	4 38	15 39	4 19	24 14	1 54	19 2	1 11	22 30	0 55	22 31	0 50	14 57	0 16	17 41	0 56	25 34	1 58	9 19	8 44	18 12		n.a.
S 10	22 36	28 7	5 2	15 44	4 14	24 3	1 53	18 52	1 10	22 28	0 55	22 31	0 50	14 57	0 16	17 41	0 56	25 34	1 58	9 16	8 42	18 14		n.a.
S 11	22 43	25 59	5 7	15 50	4 8	23 51	1 52	18 41	1 9	22 26	0 55	22 32	0 50	14 56	0 16	17 41	0 56	25 34	1 58	9 13	8 41	18 17		n.a.
M12	22 50	22 22	4 53	15 59	4 1	23 39	1 51	18 30	1 8	22 23	0 55	22 33	0 50	14 56	0 16	17 41	0 56	25 34	1 58	9 11	8 40	18 20		n.a.
T 13	22 56	17 42	4 24	16 11	3 52	23 26	1 50	18 19	1 7	22 21	0 55	22 33	0 51	14 55	0 16	17 41	0 56	25 34	1 58	9 9	8 39	18 23		n.a.
W14	23 3	12 23	3 42	16 24	3 43	23 12	1 49	18 8	1 7	22 19	0 54	22 34	0 51	14 54	0 16	17 42	0 56	25 34	1 58	9 9	8 38	18 25		n.a.
T 15	23 8	6 43	2 50	16 39	3 33	22 58	1 48	17 57	1 6	22 17	0 54	22 35	0 51	14 54	0 16	17 42	0 57	25 34	1 58	9 9	8 36	18 28		n.a.
F 16	23 14	0 56	1 52	16 56	3 22	22 43	1 47	17 45	1 5	22 15	0 54	22 35	0 51	14 53	0 16	17 42	0 57	25 34	1 58	9 9	8 35	18 31		n.a.
S 17	23 18	4s47	0 50	17 15	3 11	22 27	1 45	17 34	1 4	22 13	0 54	22 36	0 51	14 53	0 16	17 42	0 57	25 34	1 59	9 9	8 34	18 34		n.a.
S 18	23 23	10 17	0s13	17 36	2 59	22 11	1 44	17 22	1 3	22 11	0 54	22 37	0 51	14 52	0 16	17 43	0 57	25 35	1 59	9 9	8 33	18 37		n.a.
M19	23 27	15 24	1 16	17 58	2 46	21 54	1 42	17 10	1 3	22 8	0 54	22 38	0 51	14 52	0 16	17 43	0 57	25 35	1 59	9 9	8 32	18 39		n.a.
T 20	23 31	19 57	2 15	18 21	2 33	21 37	1 40	16 58	1 2	22 6	0 54	22 38	0 52	14 51	0 16	17 43	0 57	25 35	1 59	9 8	8 30	18 42		n.a.
W21	23 34	23 45	3 8	18 45	2 20	21 19	1 38	16 46	1 1	22 4	0 54	22 39	0 52	14 51	0 16	17 44	0 57	25 35	1 59	9 5	8 29	18 45		n.a.
T 22	23 37	26 33	3 54	19 11	2 7	21 1	1 36	16 34	1 0	22 2	0 54	22 40	0 52	14 50	0 16	17 44	0 57	25 35	1 59	9 2	8 28	18 48		n.a.
F 23	23 39	28 9	4 29	19 36	1 53	20 42	1 34	16 22	0 59	21 59	0 54	22 40	0 52	14 50	0 16	17 44	0 57	25 35	1 59	8 59	8 27	18 50		n.a.
S 24	23 41	28 24	4 53	20 3	1 39	20 22	1 32	16 9	0 59	21 57	0 54	22 41	0 52	14 49	0 16	17 44	0 57	25 35	1 59	8 55	8 26	18 53		n.a.
S 25	23 43	27 12	5 3	20 30	1 25	20 2	1 30	15 57	0 58	21 54	0 54	22 42	0 52	14 49	0 16	17 45	0 57	25 35	1 59	8 50	8 24	18 56		n.a.
M26	23 44	24 36	4 58	20 56	1 11	19 42	1 28	15 44	0 57	21 52	0 54	22 43	0 52	14 48	0 16	17 45	0 57	25 35	1 59	8 46	8 23	18 59		n.a.
T 27	23 45	20 45	4 38	21 23	0 57	19 21	1 25	15 31	0 56	21 50	0 54	22 44	0 53	14 48	0 16	17 45	0 57	25 35	1 59	8 43	8 22	19 1		n.a.
W28	23 45	15 50	4 3	21 49	0 44	19 0	1 23	15 18	0 55	21 47	0 54	22 44	0 53	14 48	0 16	17 46	0 57	25 35	2 0	8 41	8 21	19 4		n.a.
T 29	23 45	10 7	3 15	22 15	0 30	18 38	1 20	15 5	0 55	21 45	0 54	22 45	0 53	14 47	0 16	17 46	0 57	25 35	2 0	8 40	8 20	19 7		n.a.
F 30	23n45	3s49	2s15	22n39	0s17	18n15	1n17	14n52	0n54	21n42	0n54	22s46	0s53	14s47	0n16	17s46	0s57	25s35	2s 0	8n39	8n18	19s 9		n.a.

Julian Day Number = 1556116.5, Delta T = 04h27m26s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'23, Lahiri = -10°12'22 Julian Calendar 1 June 453 BCE == Greg. Calendar 27 May 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

JULY 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 14 37	2♋34'56	9♈28	17♊ 9	14♌31	23♌38	28♋17	22°R 8	10°R 4	13°R54	23°R24	21°D56	20♈58	16♏44	n.a.	S 1
S 2	18 18 34	3°32'21	23°33	18°56	15°39	24°15	28°30	22♑ 4	10♏ 3	13♒53	23♐23	21°R56	20°55	16°51	n.a.	S 2
M 3	18 22 30	4°29'48	7♉55	20°46	16°47	24°53	28°42	22° 0	10° 2	13°52	23°21	21♈55	20°51	16°57	n.a.	M 3
T 4	18 26 27	5°27'16	22°31	22°40	17°54	25°31	28°54	21°55	10° 1	13°51	23°20	21°52	20°48	17° 4	n.a.	T 4
W 5	18 30 23	6°24'45	7♊17	24°35	19° 2	26° 8	29° 7	21°51	10° 0	13°50	23°19	21°47	20°45	17°11	n.a.	W 5
T 6	18 34 20	7°22'16	22° 5	26°33	20° 9	26°46	29°20	21°47	9°59	13°48	23°17	21°39	20°42	17°17	n.a.	T 6
F 7	18 38 17	8°19'48	6♋49	28°33	21°17	27°24	29°32	21°42	9°58	13°47	23°16	21°29	20°39	17°24	n.a.	F 7
S 8	18 42 13	9°17'22	21°19	0♋34	22°24	28° 2	29°45	21°38	9°57	13°46	23°14	21°18	20°36	17°31	n.a.	S 8
S 9	18 46 10	10°14'57	5♌30	2°35	23°31	28°40	29°57	21°34	9°57	13°44	23°13	21° 7	20°32	17°37	n.a.	S 9
M10	18 50 6	11°12'32	19°16	4°38	24°38	29°18	0♌10	21°29	9°56	13°43	23°12	20°57	20°29	17°44	n.a.	M10
T 11	18 54 3	12°10'09	2♍35	6°41	25°45	29°56	0°23	21°25	9°55	13°42	23°10	20°50	20°26	17°51	n.a.	T 11
W12	18 57 59	13° 7'47	15°29	8°44	26°51	0♍35	0°35	21°20	9°54	13°40	23° 9	20°45	20°23	17°57	n.a.	W12
T 13	19 1 56	14° 5'26	28° 0	10°47	27°58	1°13	0°48	21°16	9°54	13°39	23° 8	20°43	20°20	18° 4	n.a.	T 13
F 14	19 5 52	15° 3'06	10♎12	12°49	29° 4	1°51	1° 1	21°11	9°53	13°38	23° 6	20°42	20°17	18°11	n.a.	F 14
S 15	19 9 49	16° 0'48	22°11	14°51	0♍10	2°30	1°14	21° 7	9°53	13°36	23° 5	20°42	20°13	18°17	n.a.	S 15
S 16	19 13 46	16°58'30	4♏ 2	16°52	1°16	3° 8	1°27	21° 2	9°52	13°35	23° 4	20°41	20°10	18°24	n.a.	S 16
M17	19 17 42	17°56'14	15°51	18°52	2°22	3°47	1°39	20°58	9°52	13°33	23° 3	20°40	20° 7	18°31	n.a.	M17
T 18	19 21 39	18°53'59	27°41	20°51	3°28	4°26	1°52	20°53	9°51	13°32	23° 1	20°36	20° 4	18°37	n.a.	T 18
W19	19 25 35	19°51'46	9♐39	22°49	4°33	5° 5	2° 5	20°49	9°51	13°30	23° 0	20°29	20° 1	18°44	n.a.	W19
T 20	19 29 32	20°49'34	21°46	24°46	5°39	5°43	2°18	20°44	9°51	13°29	22°59	20°19	19°57	18°51	n.a.	T 20
F 21	19 33 28	21°47'24	4♑ 6	26°42	6°44	6°22	2°31	20°40	9°51	13°27	22°58	20° 8	19°54	18°57	n.a.	F 21
S 22	19 37 25	22°45'15	16°39	28°36	7°49	7° 1	2°44	20°35	9°50	13°26	22°56	19°55	19°51	19° 4	n.a.	S 22
S 23	19 41 21	23°43'07	29°26	0♌29	8°53	7°40	2°57	20°31	9°50	13°24	22°55	19°42	19°48	19°11	n.a.	S 23
M24	19 45 18	24°41'01	12♒26	2°21	9°58	8°20	3°10	20°26	9°50	13°23	22°54	19°30	19°45	19°17	n.a.	M24
T 25	19 49 15	25°38'57	25°38	4°12	11° 2	8°59	3°23	20°21	9°D50	13°21	22°53	19°20	19°42	19°24	n.a.	T 25
W26	19 53 11	26°36'55	9♓ 2	6° 1	12° 6	9°38	3°36	20°17	9°50	13°20	22°52	19°12	19°38	19°31	n.a.	W26
T 27	19 57 8	27°34'55	22°35	7°49	13°10	10°18	3°49	20°12	9°50	13°18	22°51	19° 8	19°35	19°37	n.a.	T 27
F 28	20 1 4	28°32'56	6♈18	9°35	14°13	10°57	4° 2	20° 8	9°50	13°17	22°49	19° 6	19°32	19°44	n.a.	F 28
S 29	20 5 1	29°31'00	20°10	11°21	15°17	11°36	4°15	20° 3	9°51	13°15	22°48	19°D 5	19°29	19°51	n.a.	S 29
S 30	20 8 57	0♌29'06	4♉11	13° 5	16°20	12°16	4°28	19°59	9°51	13°13	22°47	19°R 5	19°26	19°57	n.a.	S 30
M31	20 12 54	1♌27'14	18♉21	14♌48	17♍23	12♍56	4♌41	19♑55	9♏51	13♒12	22♐46	19♈ 5	19♈23	20♏ 4	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	2n47	1s 6	23n 3	0s 5	17n53	1n15	14n39	0n53	21n40	0n54	22s47	0s53	14s47	0n16	17s47	0s57	25s35	2s 0	8n39	8n17	19s12		n.a.
S 2	23 42	9 24	0n 9	23 25	0n 8	17 30	1 12	14 26	0 52	21 37	0 54	22 48	0 53	14 46	0 16	17 47	0 57	25 35	2 0	8 39	8 16	19 15		n.a.
M 3	23 40	15 39	1 24	23 45	0 19	17 6	1 9	14 12	0 52	21 35	0 54	22 48	0 53	14 46	0 16	17 48	0 57	25 35	2 0	8 39	8 15	19 17		n.a.
T 4	23 38	21 8	2 35	24 3	0 30	16 42	1 6	13 59	0 51	21 32	0 54	22 49	0 53	14 46	0 16	17 48	0 57	25 35	2 0	8 38	8 14	19 20		n.a.
W 5	23 36	25 21	3 36	24 19	0 41	16 18	1 2	13 45	0 50	21 29	0 55	22 50	0 54	14 45	0 16	17 48	0 57	25 35	2 0	8 36	8 12	19 23		n.a.
T 6	23 33	27 53	4 23	24 33	0 51	15 53	0 59	13 31	0 49	21 27	0 55	22 51	0 54	14 45	0 16	17 49	0 57	25 35	2 0	8 33	8 11	19 26		n.a.
F 7	23 29	28 26	4 51	24 44	1 0	15 28	0 56	13 17	0 48	21 24	0 55	22 52	0 54	14 45	0 16	17 49	0 57	25 35	2 0	8 29	8 10	19 28		n.a.
S 8	23 25	26 59	5 1	24 53	1 8	15 3	0 52	13 3	0 48	21 21	0 55	22 52	0 54	14 44	0 16	17 50	0 57	25 35	2 0	8 25	8 9	19 31		n.a.
S 9	23 21	23 51	4 52	24 59	1 15	14 37	0 48	12 49	0 47	21 19	0 55	22 53	0 54	14 44	0 16	17 50	0 57	25 35	2 0	8 20	8 7	19 34		n.a.
M10	23 16	19 26	4 26	25 2	1 22	14 11	0 45	12 35	0 46	21 16	0 55	22 54	0 54	14 44	0 16	17 50	0 57	25 35	2 0	8 17	8 6	19 36		n.a.
T 11	23 11	14 11	3 46	25 2	1 28	13 45	0 41	12 21	0 45	21 13	0 55	22 55	0 54	14 44	0 16	17 51	0 57	25 35	2 1	8 14	8 5	19 39		n.a.
W12	23 6	8 28	2 55	25 0	1 33	13 18	0 37	12 6	0 45	21 11	0 55	22 56	0 54	14 44	0 16	17 51	0 57	25 35	2 1	8 12	8 4	19 42		n.a.
T 13	23 0	2 36	1 57	24 55	1 37	12 51	0 33	11 52	0 44	21 8	0 55	22 57	0 54	14 43	0 16	17 52	0 57	25 35	2 1	8 11	8 3	19 44		n.a.
F 14	22 53	3s15	0 55	24 48	1 41	12 24	0 29	11 37	0 43	21 5	0 55	22 57	0 55	14 43	0 16	17 52	0 57	25 35	2 1	8 11	8 1	19 47		n.a.
S 15	22 47	8 52	0s 8	24 37	1 43	11 56	0 25	11 23	0 42	21 2	0 55	22 58	0 55	14 43	0 16	17 52	0 58	25 35	2 1	8 11	8 0	19 50		n.a.
S 16	22 39	14 8	1 10	24 25	1 45	11 29	0 20	11 8	0 42	20 59	0 55	22 59	0 55	14 43	0 16	17 53	0 58	25 35	2 1	8 11	7 59	19 52		n.a.
M17	22 32	18 51	2 9	24 10	1 47	11 1	0 16	10 53	0 41	20 56	0 55	23 0	0 55	14 43	0 16	17 53	0 58	25 35	2 1	8 10	7 58	19 55		n.a.
T 18	22 24	22 52	3 2	23 53	1 47	10 33	0 12	10 38	0 40	20 54	0 55	23 1	0 55	14 43	0 16	17 54	0 58	25 35	2 1	8 9	7 57	19 57		n.a.
W19	22 16	25 57	3 48	23 34	1 47	10 4	0 7	10 23	0 39	20 51	0 55	23 1	0 55	14 43	0 16	17 54	0 58	25 35	2 1	8 6	7 55	20 0		n.a.
T 20	22 7	27 53	4 24	23 12	1 47	9 36	0 2	10 8	0 39	20 48	0 55	23 2	0 55	14 43	0 16	17 55	0 58	25 35	2 1	8 3	7 54	20 3		n.a.
F 21	21 58	28 30	4 49	22 49	1 46	9 7	0s 2	9 52	0 38	20 45	0 55	23 3	0 55	14 43	0 16	17 55	0 58	25 35	2 1	7 58	7 53	20 5		n.a.
S 22	21 48	27 39	4 59	22 24	1 44	8 38	0 7	9 37	0 37	20 42	0 55	23 4	0 55	14 42	0 16	17 56	0 58	25 35	2 1	7 53	7 52	20 8		n.a.
S 23	21 38	25 21	4 56	21 58	1 42	8 9	0 12	9 22	0 36	20 39	0 55	23 5	0 55	14 42	0 16	17 56	0 58	25 35	2 1	7 48	7 50	20 11		n.a.
M24	21 28	21 43	4 37	21 30	1 39	7 40	0 17	9 6	0 35	20 36	0 55	23 5	0 55	14 42	0 15	17 57	0 58	25 35	2 1	7 44	7 49	20 13		n.a.
T 25	21 17	16 56	4 3	21 1	1 36	7 11	0 22	8 51	0 35	20 33	0 55	23 6	0 56	14 42	0 15	17 57	0 58	25 35	2 1	7 40	7 48	20 16		n.a.
W26	21 6	11 17	3 15	20 30	1 32	6 42	0 27	8 35	0 34	20 30	0 55	23 7	0 56	14 43	0 15	17 58	0 58	25 35	2 1	7 37	7 47	20 18		n.a.
T 27	20 55	5 3	2 15	19 59	1 29	6 12	0 32	8 19	0 33	20 27	0 55	23 8	0 56	14 43	0 15	17 58	0 58	25 35	2 2	7 35	7 46	20 21		n.a.
F 28	20 43	1n30	1 7	19 26	1 24	5 42	0 38	8 3	0 32	20 24	0 55	23 8	0 56	14 43	0 15	17 58	0 58	25 35	2 2	7 34	7 44	20 24		n.a.
S 29	20 31	8 4	0n 6	18 52	1 19	5 13	0 43	7 47	0 32	20 21	0 55	23 9	0 56	14 43	0 15	17 59	0 58	25 35	2 2	7 34	7 43	20 26		n.a.
S 30	20 19	14 19	1 19	18 18	1 14	4 43	0 49	7 31	0 31	20 17	0 55	23 10	0 56	14 43	0 15	17 59	0 58	25 35	2 2	7 34	7 42	20 29		n.a.
M31	20n 6	19n53	2n28	17n42	1n 9	4n13	0s54	7n15	0n30	20n14	0n55	23s11	0s56	14s43	0n15	18s 0	0s58	25s35	2s 2	7n34	7n41	20s31		n.a.

Julian Day Number = 1556146.5, Delta T = 04h27m25s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'19, Lahiri = -10°12'18 Julian Calendar 1 July 453 BCE == Greg. Calendar 26 June 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

AUGUST 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 16 50	2♌25'24	2♊39	16♌29	18♍25	13♍35	4♌54	19°R50	9♏51	13°R10	22°R45	19°R 2	19♈19	20♏11	n.a.	T 1
W 2	20 20 47	3°23'37	17° 2	18°10	19°28	14°15	5° 7	19♑46	9°52	13♒ 9	22♐44	18♈56	19°16	20°17	n.a.	W 2
T 3	20 24 44	4°21'51	1♋26	19°49	20°30	14°55	5°20	19°41	9°52	13° 7	22°43	18°48	19°13	20°24	n.a.	T 3
F 4	20 28 40	5°20'08	15°45	21°27	21°32	15°35	5°34	19°37	9°53	13° 5	22°42	18°38	19°10	20°31	n.a.	F 4
S 5	20 32 37	6°18'26	29°55	23° 4	22°33	16°15	5°47	19°33	9°53	13° 4	22°41	18°27	19° 7	20°37	n.a.	S 5
S 6	20 36 33	7°16'47	13♌49	24°40	23°35	16°55	6° 0	19°29	9°54	13° 2	22°40	18°16	19° 3	20°44	n.a.	S 6
M 7	20 40 30	8°15'09	27°24	26°14	24°35	17°36	6°13	19°24	9°55	13° 0	22°39	18° 6	19° 0	20°51	n.a.	M 7
T 8	20 44 26	9°13'33	10♍36	27°47	25°36	18°16	6°26	19°20	9°55	12°59	22°39	17°59	18°57	20°57	n.a.	T 8
W 9	20 48 23	10°11'59	23°26	29°19	26°36	18°56	6°39	19°16	9°56	12°57	22°38	17°53	18°54	21° 4	n.a.	W 9
T 10	20 52 19	11°10'26	5♎56	0♍50	27°36	19°37	6°52	19°12	9°57	12°55	22°37	17°51	18°51	21°11	n.a.	T 10
F 11	20 56 16	12° 8'56	18° 8	2°20	28°36	20°17	7° 5	19° 8	9°58	12°54	22°36	17°D50	18°48	21°17	n.a.	F 11
S 12	21 0 13	13° 7'27	0♏ 8	3°49	29°35	20°58	7°18	19° 4	9°59	12°52	22°35	17°51	18°44	21°24	n.a.	S 12
S 13	21 4 9	14° 6'00	11°59	5°17	0♎34	21°38	7°31	19° 0	9°59	12°50	22°34	17°R51	18°41	21°31	n.a.	S 13
M14	21 8 6	15° 4'34	23°49	6°43	1°32	22°19	7°44	18°56	10° 0	12°49	22°34	17°51	18°38	21°37	n.a.	M14
T 15	21 12 2	16° 3'11	5♐41	8° 8	2°31	23° 0	7°57	18°53	10° 2	12°47	22°33	17°49	18°35	21°44	n.a.	T 15
W16	21 15 59	17° 1'49	17°41	9°32	3°28	23°41	8°10	18°49	10° 3	12°46	22°32	17°44	18°32	21°51	n.a.	W16
T 17	21 19 55	18° 0'30	29°53	10°54	4°25	24°21	8°23	18°45	10° 4	12°44	22°32	17°38	18°29	21°57	n.a.	T 17
F 18	21 23 52	18°59'12	12♑21	12°16	5°22	25° 2	8°36	18°42	10° 5	12°42	22°31	17°29	18°25	22° 4	n.a.	F 18
S 19	21 27 48	19°57'56	25° 6	13°36	6°18	25°43	8°49	18°38	10° 6	12°41	22°30	17°19	18°22	22°11	n.a.	S 19
S 20	21 31 45	20°56'42	8♒ 9	14°55	7°14	26°25	9° 2	18°35	10° 8	12°39	22°30	17° 9	18°19	22°17	n.a.	S 20
M21	21 35 42	21°55'30	21°30	16°12	8° 9	27° 6	9°15	18°31	10° 9	12°37	22°29	17° 0	18°16	22°24	n.a.	M21
T 22	21 39 38	22°54'20	5♓ 6	17°28	9° 4	27°47	9°28	18°28	10°10	12°36	22°29	16°52	18°13	22°31	n.a.	T 22
W23	21 43 35	23°53'12	18°54	18°42	9°58	28°28	9°41	18°24	10°12	12°34	22°28	16°47	18° 9	22°37	n.a.	W23
T 24	21 47 31	24°52'06	2♈51	19°54	10°52	29°10	9°54	18°21	10°13	12°32	22°28	16°44	18° 6	22°44	n.a.	T 24
F 25	21 51 28	25°51'03	16°55	21° 5	11°45	29°51	10° 6	18°18	10°15	12°31	22°27	16°D43	18° 3	22°51	n.a.	F 25
S 26	21 55 24	26°50'02	1♉ 2	22°14	12°37	0♎33	10°19	18°15	10°16	12°29	22°27	16°43	18° 0	22°57	n.a.	S 26
S 27	21 59 21	27°49'03	15°11	23°21	13°29	1°14	10°32	18°12	10°18	12°28	22°26	16°44	17°57	23° 4	n.a.	S 27
M28	22 3 17	28°48'07	29°20	24°26	14°20	1°56	10°45	18° 9	10°20	12°26	22°26	16°R45	17°54	23°11	n.a.	M28
T 29	22 7 14	29°47'14	13♊27	25°29	15°11	2°38	10°57	18° 6	10°22	12°25	22°25	16°44	17°50	23°18	n.a.	T 29
W30	22 11 10	0♍46'23	27°32	26°29	16° 1	3°19	11°10	18° 4	10°23	12°23	22°25	16°41	17°47	23°24	n.a.	W30
T 31	22 15 7	1♍45'35	11♋33	27♍26	16♎50	4♎ 1	11♌23	18♑ 1	10♏25	12♒21	22♐25	16♈37	17♈44	23♏31	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n53	24n22	3n29	17n 6	1n 3	3n43	1s 0	6n59	0n29	20n11	0n56	23s11	0s56	14s43	0n15	18s 0	0s58	25s35	2s 2	7n33	7n40	20s34		n.a.
W 2	19 39	27 22	4 17	16 30	0 57	3 13	1 5	6 43	0 29	20 8	0 56	23 12	0 56	14 43	0 15	18 1	0 58	25 35	2 2	7 31	7 38	20 36		n.a.
T 3	19 25	28 33	4 48	15 52	0 51	2 44	1 11	6 27	0 28	20 5	0 56	23 13	0 56	14 43	0 15	18 1	0 58	25 35	2 2	7 28	7 37	20 39		n.a.
F 4	19 11	27 47	5 1	15 15	0 45	2 14	1 17	6 10	0 27	20 2	0 56	23 13	0 56	14 44	0 15	18 2	0 58	25 35	2 2	7 24	7 36	20 42		n.a.
S 5	18 56	25 14	4 56	14 37	0 38	1 44	1 23	5 54	0 27	19 58	0 56	23 14	0 56	14 44	0 15	18 2	0 58	25 35	2 2	7 19	7 35	20 44		n.a.
S 6	18 42	21 14	4 33	13 58	0 31	1 14	1 29	5 37	0 26	19 55	0 56	23 15	0 56	14 44	0 15	18 3	0 58	25 35	2 2	7 15	7 33	20 47		n.a.
M 7	18 26	16 12	3 54	13 19	0 24	0 44	1 35	5 21	0 25	19 52	0 56	23 15	0 56	14 44	0 15	18 3	0 58	25 35	2 2	7 11	7 32	20 49		n.a.
T 8	18 11	10 31	3 4	12 40	0 17	0 14	1 41	5 4	0 24	19 49	0 56	23 16	0 56	14 44	0 15	18 4	0 58	25 35	2 2	7 8	7 31	20 52		n.a.
W 9	17 55	4 34	2 6	12 1	0 10	0s16	1 47	4 48	0 24	19 45	0 56	23 17	0 56	14 45	0 15	18 4	0 58	25 35	2 2	7 6	7 30	20 54		n.a.
T 10	17 39	1s25	1 3	11 21	0 3	0 45	1 53	4 31	0 23	19 42	0 56	23 17	0 57	14 45	0 15	18 5	0 58	25 35	2 2	7 5	7 29	20 57		n.a.
F 11	17 23	7 14	0s 2	10 42	0s 5	1 15	1 59	4 14	0 22	19 39	0 56	23 18	0 57	14 45	0 15	18 5	0 58	25 35	2 2	7 5	7 27	20 59		n.a.
S 12	17 6	12 41	1 5	10 2	0 13	1 45	2 5	3 57	0 21	19 36	0 56	23 19	0 57	14 46	0 15	18 6	0 58	25 35	2 2	7 5	7 26	21 2		n.a.
S 13	16 49	17 37	2 5	9 23	0 21	2 14	2 12	3 40	0 21	19 32	0 56	23 19	0 57	14 46	0 15	18 6	0 58	25 35	2 2	7 6	7 25	21 4		n.a.
M14	16 31	21 52	3 0	8 43	0 28	2 43	2 18	3 23	0 20	19 29	0 56	23 20	0 57	14 46	0 15	18 7	0 58	25 35	2 2	7 5	7 24	21 7		n.a.
T 15	16 14	25 15	3 47	8 4	0 36	3 13	2 24	3 6	0 19	19 26	0 57	23 20	0 57	14 47	0 15	18 7	0 58	25 35	2 2	7 5	7 22	21 9		n.a.
W16	15 56	27 33	4 24	7 25	0 44	3 42	2 31	2 49	0 18	19 22	0 57	23 21	0 57	14 47	0 15	18 8	0 58	25 35	2 2	7 3	7 21	21 12		n.a.
T 17	15 38	28 36	4 50	6 46	0 52	4 11	2 37	2 32	0 18	19 19	0 57	23 22	0 57	14 47	0 15	18 8	0 58	25 35	2 3	7 0	7 20	21 14		n.a.
F 18	15 20	28 12	5 3	6 7	1 1	4 39	2 44	2 15	0 17	19 16	0 57	23 22	0 57	14 48	0 15	18 9	0 58	25 35	2 3	6 57	7 19	21 17		n.a.
S 19	15 1	26 20	5 2	5 29	1 9	5 8	2 50	1 58	0 16	19 12	0 57	23 23	0 57	14 48	0 15	18 9	0 58	25 35	2 3	6 53	7 18	21 19		n.a.
S 20	14 42	23 2	4 45	4 50	1 17	5 36	2 57	1 41	0 15	19 9	0 57	23 23	0 57	14 49	0 15	18 10	0 58	25 35	2 3	6 49	7 16	21 22		n.a.
M21	14 23	18 29	4 12	4 13	1 25	6 4	3 3	1 24	0 15	19 5	0 57	23 24	0 57	14 49	0 15	18 10	0 58	25 35	2 3	6 46	7 15	21 24		n.a.
T 22	14 4	12 55	3 24	3 36	1 33	6 32	3 10	1 6	0 14	19 2	0 57	23 24	0 57	14 50	0 15	18 11	0 58	25 35	2 3	6 43	7 14	21 27		n.a.
W23	13 44	6 39	2 24	2 59	1 41	7 0	3 16	0 49	0 13	18 59	0 57	23 25	0 57	14 50	0 15	18 11	0 58	25 35	2 3	6 41	7 13	21 29		n.a.
T 24	13 24	0n 1	1 14	2 23	1 49	7 28	3 23	0 32	0 13	18 55	0 57	23 25	0 57	14 51	0 15	18 12	0 58	25 35	2 3	6 39	7 11	21 32		n.a.
F 25	13 4	6 45	0n 1	1 48	1 57	7 55	3 30	0 14	0 12	18 52	0 57	23 26	0 57	14 51	0 15	18 12	0 58	25 35	2 3	6 39	7 10	21 34		n.a.
S 26	12 44	13 10	1 16	1 13	2 4	8 22	3 36	0s 3	0 11	18 48	0 58	23 26	0 57	14 52	0 15	18 12	0 58	25 35	2 3	6 39	7 9	21 36		n.a.
S 27	12 23	18 57	2 27	0 39	2 12	8 48	3 43	0 20	0 10	18 45	0 58	23 26	0 57	14 52	0 15	18 13	0 58	25 35	2 3	6 40	7 8	21 39		n.a.
M28	12 3	23 40	3 29	0 7	2 20	9 14	3 49	0 38	0 10	18 42	0 58	23 27	0 57	14 53	0 15	18 13	0 58	25 35	2 3	6 40	7 7	21 41		n.a.
T 29	11 42	26 59	4 18	0s25	2 27	9 40	3 56	0 55	0 9	18 38	0 58	23 27	0 57	14 53	0 15	18 14	0 58	25 35	2 3	6 40	7 5	21 44		n.a.
W30	11 21	28 35	4 52	0 56	2 34	10 6	4 3	1 13	0 8	18 35	0 58	23 28	0 57	14 54	0 15	18 14	0 58	25 35	2 3	6 39	7 4	21 46		n.a.
T 31	10n59	28n21	5n 7	1s25	2s41	10s31	4s 9	1s30	0n 8	18n31	0n58	23s28	0s57	14s54	0n15	18s15	0s58	25s35	2s 3	6n37	7n 3	21s49		n.a.

Julian Day Number = 1556177.5, Delta T = 04h27m23s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'14, Lahiri = -10°12'14 Julian Calendar 1 Aug. 453 BCE == Greg. Calendar 27 July 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

SEPTEMBER 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 19 4	2♍44'48	25♋25	28♍21	17♎38	4♎43	11♌35	17°R58	10♏27	12°R20	22°R25	16°R30	17♈41	23♏38	n.a.	F 1
S 2	22 23 0	3°44'05	9♌ 8	29°13	18°26	5°25	11°48	17♉56	10°29	12♒18	22♐24	16♈23	17°38	23°44	n.a.	S 2
S 3	22 26 57	4°43'23	22°37	0♎ 1	19°13	6° 7	12° 1	17°54	10°31	12°17	22°24	16°16	17°35	23°51	n.a.	S 3
M 4	22 30 53	5°42'44	5♍51	0°46	19°59	6°49	12°13	17°51	10°33	12°15	22°24	16° 9	17°31	23°58	n.a.	M 4
T 5	22 34 50	6°42'06	18°48	1°26	20°44	7°32	12°26	17°49	10°35	12°14	22°24	16° 5	17°28	24° 4	n.a.	T 5
W 6	22 38 46	7°41'31	1♎28	2° 2	21°28	8°14	12°38	17°47	10°37	12°12	22°24	16° 2	17°25	24°11	n.a.	W 6
T 7	22 42 43	8°40'58	13°51	2°34	22°11	8°56	12°51	17°45	10°39	12°11	22°23	16°D 1	17°22	24°18	n.a.	T 7
F 8	22 46 39	9°40'26	26° 1	3° 0	22°53	9°39	13° 3	17°43	10°41	12°10	22°23	16° 1	17°19	24°24	n.a.	F 8
S 9	22 50 36	10°39'57	7♏59	3°20	23°34	10°21	13°15	17°41	10°44	12° 8	22°23	16° 2	17°15	24°31	n.a.	S 9
S 10	22 54 33	11°39'30	19°50	3°34	24°14	11° 4	13°27	17°39	10°46	12° 7	22°D23	16° 4	17°12	24°38	n.a.	S 10
M11	22 58 29	12°39'04	1♐40	3°41	24°53	11°46	13°40	17°38	10°48	12° 5	22°23	16° 6	17° 9	24°44	n.a.	M11
T 12	23 2 26	13°38'41	13°32	3°R41	25°31	12°29	13°52	17°36	10°51	12° 4	22°23	16°R 6	17° 6	24°51	n.a.	T 12
W13	23 6 22	14°38'19	25°32	3°34	26° 7	13°12	14° 4	17°35	10°53	12° 3	22°23	16° 6	17° 3	24°58	n.a.	W13
T 14	23 10 19	15°38'00	7♑44	3°18	26°43	13°55	14°16	17°33	10°56	12° 1	22°24	16° 4	17° 0	25° 4	n.a.	T 14
F 15	23 14 15	16°37'42	20°13	2°54	27°17	14°37	14°28	17°32	10°58	12° 0	22°24	16° 0	16°56	25°11	n.a.	F 15
S 16	23 18 12	17°37'26	3♒ 3	2°21	27°49	15°20	14°40	17°31	11° 1	11°59	22°24	15°56	16°53	25°18	n.a.	S 16
S 17	23 22 8	18°37'12	16°15	1°39	28°20	16° 3	14°52	17°30	11° 3	11°57	22°24	15°52	16°50	25°24	n.a.	S 17
M18	23 26 5	19°36'59	29°49	0°49	28°50	16°46	15° 4	17°29	11° 6	11°56	22°24	15°48	16°47	25°31	n.a.	M18
T 19	23 30 2	20°36'49	13♓43	29♍51	29°18	17°30	15°16	17°28	11° 8	11°55	22°24	15°44	16°44	25°38	n.a.	T 19
W20	23 33 58	21°36'41	27°55	28°47	29°44	18°13	15°27	17°27	11°11	11°54	22°25	15°42	16°40	25°44	n.a.	W20
T 21	23 37 55	22°36'34	12♈20	27°36	0♏ 9	18°56	15°39	17°27	11°14	11°53	22°25	15°D41	16°37	25°51	n.a.	T 21
F 22	23 41 51	23°36'30	26°51	26°22	0°32	19°39	15°51	17°26	11°16	11°52	22°25	15°41	16°34	25°58	n.a.	F 22
S 23	23 45 48	24°36'28	11♉23	25° 6	0°53	20°23	16° 2	17°26	11°19	11°50	22°26	15°42	16°31	26° 4	n.a.	S 23
S 24	23 49 44	25°36'29	25°52	23°50	1°12	21° 6	16°14	17°25	11°22	11°49	22°26	15°44	16°28	26°11	n.a.	S 24
M25	23 53 41	26°36'31	10♊13	22°37	1°30	21°50	16°25	17°25	11°25	11°48	22°27	15°45	16°25	26°18	n.a.	M25
T 26	23 57 37	27°36'37	24°24	21°29	1°45	22°33	16°36	17°25	11°28	11°47	22°27	15°R46	16°21	26°24	n.a.	T 26
W27	0 1 34	28°36'44	8♋22	20°28	1°59	23°17	16°48	17°D25	11°31	11°46	22°27	15°45	16°18	26°31	n.a.	W27
T 28	0 5 30	29°36'54	22° 7	19°35	2°10	24° 1	16°59	17°25	11°34	11°45	22°28	15°44	16°15	26°38	n.a.	T 28
F 29	0 9 27	0♎37'05	5♌39	18°53	2°19	24°44	17°10	17°25	11°37	11°44	22°29	15°43	16°12	26°44	n.a.	F 29
S 30	0 13 24	1♎37'19	18♌56	18♍22	2♏26	25♎28	17♌21	17♉25	11♏40	11♒43	22♐29	15♈41	16♈ 9	26♏51	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n38	26n19	5n 5	1s53	2s47	10s56	4s16	1s48	0n 7	18n28	0n58	23s28	0s57	14s55	0n15	18s15	0s58	25s35	2s 3	6n34	7n 2	21s51		n.a.
S 2	10 16	22 47	4 45	2 20	2 54	11 21	4 22	2 5	0 6	18 24	0 58	23 29	0 57	14 56	0 15	18 16	0 58	25 35	2 3	6 31	7 0	21 53		n.a.
S 3	9 54	18 4	4 9	2 45	2 59	11 45	4 29	2 23	0 5	18 21	0 59	23 29	0 57	14 56	0 15	18 16	0 58	25 35	2 3	6 29	6 59	21 56		n.a.
M 4	9 32	12 35	3 21	3 8	3 5	12 9	4 35	2 40	0 5	18 18	0 59	23 29	0 57	14 57	0 15	18 16	0 58	25 35	2 3	6 26	6 58	21 58		n.a.
T 5	9 10	6 40	2 22	3 29	3 10	12 32	4 42	2 58	0 4	18 14	0 59	23 30	0 57	14 58	0 15	18 17	0 58	25 35	2 3	6 24	6 57	22 1		n.a.
W 6	8 48	0 36	1 18	3 47	3 14	12 55	4 48	3 15	0 3	18 11	0 59	23 30	0 57	14 58	0 15	18 17	0 58	25 35	2 3	6 23	6 55	22 3		n.a.
T 7	8 25	5s21	0 12	4 3	3 18	13 17	4 55	3 33	0 3	18 7	0 59	23 30	0 57	14 59	0 15	18 18	0 58	25 35	2 3	6 23	6 54	22 5		n.a.
F 8	8 3	11 1	0s54	4 17	3 21	13 39	5 1	3 50	0 2	18 4	0 59	23 30	0 57	15 0	0 14	18 18	0 58	25 35	2 3	6 23	6 53	22 8		n.a.
S 9	7 40	16 12	1 57	4 27	3 24	14 1	5 7	4 8	0 1	18 0	0 59	23 31	0 57	15 0	0 14	18 18	0 58	25 35	2 3	6 23	6 52	22 10		n.a.
S 10	7 17	20 43	2 54	4 34	3 25	14 21	5 13	4 26	0 0	17 57	0 59	23 31	0 57	15 1	0 14	18 19	0 58	25 35	2 3	6 24	6 51	22 12		n.a.
M11	6 54	24 25	3 44	4 37	3 25	14 42	5 19	4 43	0s 0	17 53	1 0	23 31	0 57	15 2	0 14	18 19	0 58	25 35	2 3	6 25	6 49	22 15		n.a.
T 12	6 31	27 5	4 24	4 36	3 24	15 1	5 25	5 1	0 1	17 50	1 0	23 31	0 57	15 3	0 14	18 20	0 58	25 35	2 3	6 25	6 48	22 17		n.a.
W13	6 7	28 34	4 53	4 31	3 22	15 20	5 31	5 18	0 2	17 47	1 0	23 32	0 57	15 4	0 14	18 20	0 58	25 35	2 3	6 25	6 47	22 19		n.a.
T 14	5 44	28 41	5 10	4 22	3 19	15 39	5 37	5 36	0 2	17 43	1 0	23 32	0 57	15 4	0 14	18 20	0 58	25 35	2 3	6 24	6 46	22 22		n.a.
F 15	5 21	27 21	5 12	4 7	3 14	15 57	5 42	5 53	0 3	17 40	1 0	23 32	0 57	15 5	0 14	18 21	0 58	25 35	2 3	6 23	6 44	22 24		n.a.
S 16	4 57	24 35	4 59	3 48	3 7	16 14	5 48	6 10	0 4	17 36	1 0	23 32	0 57	15 6	0 14	18 21	0 58	25 35	2 3	6 21	6 43	22 26		n.a.
S 17	4 34	20 28	4 31	3 23	2 58	16 30	5 53	6 28	0 4	17 33	1 0	23 32	0 57	15 7	0 14	18 21	0 58	25 35	2 3	6 19	6 42	22 29		n.a.
M18	4 10	15 12	3 46	2 53	2 48	16 46	5 58	6 45	0 5	17 30	1 1	23 32	0 57	15 8	0 14	18 22	0 58	25 35	2 4	6 18	6 41	22 31		n.a.
T 19	3 46	9 3	2 47	2 19	2 35	17 1	6 3	7 3	0 6	17 26	1 1	23 32	0 57	15 8	0 14	18 22	0 58	25 35	2 4	6 16	6 39	22 33		n.a.
W20	3 22	2 18	1 36	1 40	2 21	17 15	6 8	7 20	0 6	17 23	1 1	23 33	0 57	15 9	0 14	18 22	0 58	25 35	2 4	6 15	6 38	22 36		n.a.
T 21	2 58	4n39	0 18	0 56	2 5	17 28	6 13	7 37	0 7	17 19	1 1	23 33	0 57	15 10	0 14	18 23	0 58	25 35	2 4	6 15	6 37	22 38		n.a.
F 22	2 34	11 26	1n 1	0 10	1 47	17 40	6 17	7 54	0 8	17 16	1 1	23 33	0 57	15 11	0 14	18 23	0 58	25 35	2 4	6 15	6 36	22 40		n.a.
S 23	2 10	17 37	2 17	0n38	1 28	17 52	6 21	8 12	0 9	17 13	1 1	23 33	0 57	15 12	0 14	18 23	0 58	25 35	2 4	6 16	6 35	22 43		n.a.
S 24	1 46	22 46	3 24	1 26	1 8	18 2	6 25	8 29	0 9	17 9	1 1	23 33	0 57	15 13	0 14	18 24	0 58	25 35	2 4	6 16	6 33	22 45		n.a.
M25	1 22	26 31	4 17	2 14	0 48	18 12	6 28	8 46	0 10	17 6	1 2	23 33	0 57	15 14	0 14	18 24	0 58	25 36	2 4	6 17	6 32	22 47		n.a.
T 26	0 58	28 32	4 54	3 1	0 27	18 20	6 32	9 3	0 11	17 3	1 2	23 33	0 57	15 15	0 14	18 24	0 58	25 36	2 4	6 17	6 31	22 49		n.a.
W27	0 34	28 42	5 13	3 44	0 7	18 28	6 35	9 20	0 11	16 59	1 2	23 33	0 57	15 16	0 14	18 25	0 58	25 36	2 4	6 17	6 30	22 52		n.a.
T 28	0 9	27 4	5 14	4 22	0n13	18 34	6 37	9 37	0 12	16 56	1 2	23 33	0 57	15 16	0 14	18 25	0 58	25 36	2 4	6 16	6 28	22 54		n.a.
F 29	0s15	23 54	4 57	4 56	0 31	18 40	6 39	9 54	0 13	16 53	1 2	23 33	0 57	15 17	0 14	18 25	0 58	25 36	2 4	6 16	6 27	22 56		n.a.
S 30	0s39	19n31	4n24	5n24	0n49	18s44	6s41	10s11	0s13	16n50	1n 3	23s33	0s57	15s18	0n14	18s25	0s58	25s36	2s 4	6n15	6n26	22s58		n.a.

Julian Day Number = 1556208.5, Delta T = 04h27m22s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'10, Lahiri = -10°12'10 Julian Calendar 1 Sept. 453 BCE == Greg. Calendar 27 Aug. 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

OCTOBER 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 17 20	2♎37'35	2♍ 0	18°R 2	2♏31	26♎12	17♌32	17♑26	11♏43	11°R42	22♐30	15°R39	16♈ 6	26♏58	n.a.	S 1
M 2	0 21 17	3°37'53	14°51	17°D54	2°33	26°56	17°43	17°26	11°46	11♒42	22°30	15♈37	16° 2	27° 4	n.a.	M 2
T 3	0 25 13	4°38'13	27°28	17♍58	2°R33	27°40	17°54	17°27	11°49	11°41	22°31	15°36	15°59	27°11	n.a.	T 3
W 4	0 29 10	5°38'35	9♎52	18°12	2°31	28°24	18° 5	17°27	11°52	11°40	22°32	15°D35	15°56	27°18	n.a.	W 4
T 5	0 33 6	6°38'58	22° 5	18°37	2°26	29° 8	18°15	17°28	11°55	11°39	22°32	15°35	15°53	27°25	n.a.	T 5
F 6	0 37 3	7°39'24	4♏ 8	19°10	2°19	29°52	18°26	17°29	11°58	11°38	22°33	15°36	15°50	27°31	n.a.	F 6
S 7	0 40 59	8°39'51	16° 4	19°52	2°10	0♏37	18°36	17°30	12° 1	11°38	22°34	15°37	15°46	27°38	n.a.	S 7
S 8	0 44 56	9°40'19	27°54	20°42	1°57	1°21	18°47	17°31	12° 5	11°37	22°35	15°37	15°43	27°45	n.a.	S 8
M 9	0 48 53	10°40'50	9♐43	21°39	1°43	2° 5	18°57	17°32	12° 8	11°36	22°35	15°38	15°40	27°51	n.a.	M 9
T 10	0 52 49	11°41'21	21°34	22°41	1°26	2°50	19° 7	17°34	12°11	11°36	22°36	15°38	15°37	27°58	n.a.	T 10
W11	0 56 46	12°41'55	3♑32	23°48	1° 7	3°34	19°17	17°35	12°14	11°35	22°37	15°39	15°34	28° 5	n.a.	W11
T 12	1 0 42	13°42'29	15°41	25° 0	0°45	4°19	19°27	17°37	12°18	11°34	22°38	15°R39	15°31	28°11	n.a.	T 12
F 13	1 4 39	14°43'05	28° 6	26°16	0°22	5° 3	19°37	17°38	12°21	11°34	22°39	15°39	15°27	28°18	n.a.	F 13
S 14	1 8 35	15°43'42	10♒52	27°34	29♎56	5°48	19°47	17°40	12°25	11°33	22°40	15°D39	15°24	28°25	n.a.	S 14
S 15	1 12 32	16°44'21	24° 2	28°56	29°28	6°33	19°57	17°42	12°28	11°33	22°41	15°39	15°21	28°31	n.a.	S 15
M16	1 16 28	17°45'01	7♓37	0♎20	28°59	7°18	20° 6	17°44	12°31	11°32	22°42	15°39	15°18	28°38	n.a.	M16
T 17	1 20 25	18°45'42	21°38	1°45	28°28	8° 2	20°16	17°46	12°35	11°32	22°43	15°39	15°15	28°45	n.a.	T 17
W18	1 24 22	19°46'24	6♈ 3	3°12	27°55	8°47	20°25	17°48	12°38	11°32	22°44	15°39	15°12	28°51	n.a.	W18
T 19	1 28 18	20°47'08	20°47	4°41	27°21	9°32	20°34	17°50	12°42	11°31	22°45	15°R39	15° 8	28°58	n.a.	T 19
F 20	1 32 15	21°47'53	5♉43	6°11	26°46	10°17	20°44	17°53	12°45	11°31	22°46	15°39	15° 5	29° 5	n.a.	F 20
S 21	1 36 11	22°48'40	20°43	7°41	26°11	11° 2	20°53	17°55	12°49	11°31	22°47	15°38	15° 2	29°11	n.a.	S 21
S 22	1 40 8	23°49'29	5♊38	9°13	25°35	11°47	21° 2	17°58	12°52	11°30	22°49	15°38	14°59	29°18	n.a.	S 22
M23	1 44 4	24°50'19	20°21	10°45	24°58	12°32	21°10	18° 0	12°56	11°30	22°50	15°36	14°56	29°25	n.a.	M23
T 24	1 48 1	25°51'11	4♋47	12°17	24°22	13°18	21°19	18° 3	12°59	11°30	22°51	15°36	14°52	29°31	n.a.	T 24
W25	1 51 57	26°52'04	18°52	13°50	23°46	14° 3	21°28	18° 6	13° 3	11°30	22°52	15°35	14°49	29°38	n.a.	W25
T 26	1 55 54	27°52'59	2♌35	15°23	23°10	14°48	21°36	18° 9	13° 6	11°30	22°53	15°D35	14°46	29°45	n.a.	T 26
F 27	1 59 51	28°53'55	15°56	16°56	22°35	15°34	21°45	18°12	13°10	11°30	22°55	15°35	14°43	29°52	n.a.	F 27
S 28	2 3 47	29°54'53	28°59	18°30	22° 1	16°19	21°53	18°15	13°14	11°30	22°56	15°36	14°40	29°58	n.a.	S 28
S 29	2 7 44	0♏55'52	11♍44	20° 3	21°28	17° 4	22° 1	18°18	13°17	11°D30	22°57	15°38	14°37	0♐ 5	n.a.	S 29
M30	2 11 40	1°56'53	24°14	21°37	20°57	17°50	22° 9	18°21	13°21	11°30	22°59	15°39	14°33	0°12	n.a.	M30
T 31	2 15 37	2♏57'55	6♎33	23♎11	20♎27	18♏35	22♌17	18♑25	13♏24	11♒30	23♐ 0	15♈40	14♈30	0♐18	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	1s 3	14n17	3n39	5n46	1n 4	18s47	6s43	10s28	0s14	16n46	1n 3	23s33	0s57	15s19	0n14	18s26	0s58	25s36	2s 4	6n14	6n25	23s 1			n.a.
M 2	1 28	8 32	2 42	6 2	1 18	18 49	6 43	10 44	0 15	16 43	1 3	23 32	0 57	15 20	0 14	18 26	0 58	25 36	2 4	6 14	6 23	23 3			n.a.
T 3	1 52	2 32	1 39	6 12	1 31	18 49	6 44	11 1	0 15	16 40	1 3	23 32	0 57	15 21	0 14	18 26	0 58	25 36	2 4	6 13	6 22	23 5			n.a.
W 4	2 16	3s28	0 32	6 17	1 41	18 48	6 44	11 18	0 16	16 37	1 3	23 32	0 57	15 22	0 14	18 26	0 58	25 36	2 4	6 13	6 21	23 7			n.a.
T 5	2 40	9 16	0s36	6 15	1 50	18 46	6 43	11 34	0 17	16 34	1 3	23 32	0 57	15 23	0 14	18 26	0 58	25 36	2 4	6 13	6 20	23 10			n.a.
F 6	3 5	14 39	1 41	6 9	1 58	18 42	6 42	11 51	0 17	16 31	1 4	23 32	0 57	15 24	0 14	18 27	0 58	25 36	2 4	6 13	6 18	23 12			n.a.
S 7	3 29	19 26	2 41	5 57	2 4	18 37	6 40	12 7	0 18	16 27	1 4	23 32	0 57	15 25	0 14	18 27	0 58	25 36	2 4	6 13	6 17	23 14			n.a.
S 8	3 53	23 25	3 34	5 41	2 8	18 31	6 38	12 23	0 19	16 24	1 4	23 32	0 57	15 26	0 14	18 27	0 58	25 36	2 4	6 14	6 16	23 16			n.a.
M 9	4 17	26 26	4 17	5 22	2 11	18 22	6 35	12 39	0 19	16 21	1 4	23 32	0 57	15 27	0 14	18 27	0 58	25 36	2 4	6 14	6 15	23 18			n.a.
T 10	4 41	28 18	4 50	4 59	2 13	18 13	6 31	12 55	0 20	16 18	1 4	23 31	0 57	15 28	0 14	18 27	0 58	25 37	2 4	6 14	6 13	23 21			n.a.
W11	5 5	28 53	5 11	4 33	2 14	18 2	6 27	13 11	0 20	16 15	1 5	23 31	0 57	15 29	0 14	18 27	0 58	25 37	2 4	6 14	6 12	23 23			n.a.
T 12	5 29	28 4	5 18	4 4	2 14	17 49	6 21	13 27	0 21	16 12	1 5	23 31	0 57	15 30	0 14	18 28	0 58	25 37	2 4	6 14	6 11	23 25			n.a.
F 13	5 52	25 52	5 10	3 33	2 13	17 35	6 15	13 43	0 22	16 9	1 5	23 31	0 57	15 31	0 14	18 28	0 58	25 37	2 4	6 14	6 10	23 27			n.a.
S 14	6 16	22 20	4 47	2 59	2 12	17 20	6 9	13 59	0 22	16 6	1 5	23 30	0 57	15 33	0 14	18 28	0 58	25 37	2 4	6 14	6 9	23 29			n.a.
S 15	6 40	17 36	4 9	2 24	2 9	17 3	6 1	14 14	0 23	16 3	1 5	23 30	0 57	15 34	0 14	18 28	0 58	25 37	2 4	6 14	6 7	23 31			n.a.
M16	7 3	11 51	3 16	1 48	2 7	16 44	5 53	14 30	0 24	16 1	1 6	23 30	0 57	15 35	0 14	18 28	0 58	25 37	2 4	6 14	6 6	23 34			n.a.
T 17	7 27	5 20	2 10	1 10	2 3	16 25	5 44	14 45	0 24	15 58	1 6	23 30	0 57	15 36	0 14	18 28	0 58	25 37	2 4	6 14	6 5	23 36			n.a.
W18	7 50	1n37	0 53	0 31	1 59	16 4	5 35	15 0	0 25	15 55	1 6	23 29	0 57	15 37	0 14	18 28	0 58	25 37	2 4	6 14	6 4	23 38			n.a.
T 19	8 13	8 39	0n28	0s 8	1 55	15 41	5 24	15 16	0 26	15 52	1 6	23 29	0 57	15 38	0 14	18 28	0 58	25 37	2 4	6 14	6 2	23 40			n.a.
F 20	8 36	15 19	1 49	0 49	1 50	15 18	5 13	15 31	0 26	15 49	1 7	23 29	0 57	15 39	0 14	18 28	0 58	25 37	2 4	6 14	6 1	23 42			n.a.
S 21	8 59	21 6	3 3	1 29	1 45	14 54	5 1	15 45	0 27	15 47	1 7	23 28	0 57	15 40	0 14	18 29	0 58	25 37	2 4	6 14	6 0	23 44			n.a.
S 22	9 22	25 31	4 3	2 11	1 39	14 29	4 49	16 0	0 27	15 44	1 7	23 28	0 57	15 41	0 14	18 29	0 57	25 38	2 5	6 14	5 59	23 46			n.a.
M23	9 44	28 10	4 47	2 53	1 34	14 3	4 36	16 15	0 28	15 41	1 7	23 28	0 57	15 42	0 14	18 29	0 57	25 38	2 5	6 13	5 57	23 49			n.a.
T 24	10 7	28 51	5 11	3 35	1 28	13 37	4 22	16 29	0 29	15 39	1 7	23 27	0 57	15 43	0 14	18 29	0 57	25 38	2 5	6 13	5 56	23 51			n.a.
W25	10 29	27 37	5 16	4 17	1 22	13 10	4 8	16 44	0 29	15 36	1 8	23 27	0 57	15 44	0 14	18 29	0 57	25 38	2 5	6 13	5 55	23 53			n.a.
T 26	10 51	24 45	5 3	4 59	1 15	12 43	3 54	16 58	0 30	15 33	1 8	23 26	0 57	15 46	0 14	18 29	0 57	25 38	2 5	6 13	5 54	23 55			n.a.
F 27	11 13	20 37	4 34	5 41	1 9	12 16	3 39	17 12	0 30	15 31	1 8	23 26	0 57	15 47	0 14	18 29	0 57	25 38	2 5	6 13	5 52	23 57			n.a.
S 28	11 35	15 34	3 51	6 23	1 2	11 49	3 24	17 26	0 31	15 28	1 8	23 25	0 57	15 48	0 14	18 29	0 57	25 38	2 5	6 13	5 51	23 59			n.a.
S 29	11 57	9 58	2 57	7 5	0 56	11 23	3 8	17 39	0 32	15 26	1 9	23 25	0 57	15 49	0 14	18 29	0 57	25 38	2 5	6 14	5 50	24 1			n.a.
M30	12 18	4 5	1 56	7 47	0 49	10 56	2 53	17 53	0 32	15 24	1 9	23 25	0 57	15 50	0 14	18 29	0 57	25 38	2 5	6 14	5 49	24 3			n.a.
T 31	12s40	1s52	0n50	8s28	0n42	10s31	2s37	18s 6	0s33	15n21	1n 9	23s24	0s57	15s51	0n14	18s29	0s57	25s39	2s 5	6n15	5n47	24s 5			n.a.

Julian Day Number = 1556238.5, Delta T = 04h27m21s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'06, Lahiri = -10°12'06 Julian Calendar 1 Oct. 453 BCE == Greg. Calendar 26 Sept. 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

NOVEMBER 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 19 33	3♏58'57	18♎42	24♎45	19°R59	19♏21	22♌24	18♑28	13♏28	11♒30	23♐ 2	15°R40	14♈27	0♐25	n.a.	W 1
T 2	2 23 30	5° 0'01	0♏44	26°18	19♎33	20° 7	22°32	18°32	13°32	11°30	23° 3	15♈40	14°24	0°32	n.a.	T 2
F 3	2 27 26	6° 1'07	12°40	27°52	19° 9	20°52	22°39	18°35	13°35	11°30	23° 4	15°38	14°21	0°38	n.a.	F 3
S 4	2 31 23	7° 2'13	24°32	29°26	18°47	21°38	22°47	18°39	13°39	11°30	23° 6	15°35	14°17	0°45	n.a.	S 4
S 5	2 35 20	8° 3'20	6♐21	1♏ 0	18°27	22°24	22°54	18°43	13°43	11°30	23° 7	15°31	14°14	0°52	n.a.	S 5
M 6	2 39 16	9° 4'27	18°11	2°34	18°10	23°10	23° 1	18°47	13°46	11°31	23° 9	15°27	14°11	0°58	n.a.	M 6
T 7	2 43 13	10° 5'36	0♑ 3	4° 8	17°55	23°56	23° 8	18°51	13°50	11°31	23°10	15°22	14° 8	1° 5	n.a.	T 7
W 8	2 47 9	11° 6'45	12° 1	5°42	17°42	24°42	23°14	18°55	13°54	11°31	23°12	15°19	14° 5	1°12	n.a.	W 8
T 9	2 51 6	12° 7'54	24° 9	7°16	17°32	25°28	23°21	18°59	13°57	11°32	23°13	15°16	14° 2	1°18	n.a.	T 9
F 10	2 55 2	13° 9'04	6♒30	8°50	17°25	26°14	23°27	19° 3	14° 1	11°32	23°15	15°15	13°58	1°25	n.a.	F 10
S 11	2 58 59	14°10'15	19° 8	10°24	17°20	27° 0	23°34	19° 8	14° 5	11°33	23°17	15°D15	13°55	1°32	n.a.	S 11
S 12	3 2 55	15°11'26	2♓ 9	11°58	17°17	27°46	23°40	19°12	14° 8	11°33	23°18	15°16	13°52	1°39	n.a.	S 12
M13	3 6 52	16°12'37	15°34	13°32	17°D17	28°32	23°46	19°17	14°12	11°34	23°20	15°17	13°49	1°45	n.a.	M13
T 14	3 10 49	17°13'48	29°28	15° 7	17°19	29°18	23°52	19°21	14°16	11°34	23°21	15°19	13°46	1°52	n.a.	T 14
W15	3 14 45	18°15'00	13♈49	16°41	17°24	0♐ 4	23°57	19°26	14°19	11°35	23°23	15°R19	13°43	1°59	n.a.	W15
T 16	3 18 42	19°16'12	28°36	18°16	17°31	0°51	24° 3	19°31	14°23	11°35	23°25	15°19	13°39	2° 5	n.a.	T 16
F 17	3 22 38	20°17'24	13♉41	19°51	17°40	1°37	24° 8	19°36	14°27	11°36	23°27	15°16	13°36	2°12	n.a.	F 17
S 18	3 26 35	21°18'37	28°58	21°26	17°52	2°23	24°13	19°40	14°30	11°37	23°28	15°12	13°33	2°19	n.a.	S 18
S 19	3 30 31	22°19'50	14♊14	23° 1	18° 6	3°10	24°18	19°45	14°34	11°37	23°30	15° 7	13°30	2°25	n.a.	S 19
M20	3 34 28	23°21'04	29°20	24°36	18°22	3°56	24°23	19°51	14°38	11°38	23°32	15° 1	13°27	2°32	n.a.	M20
T 21	3 38 25	24°22'18	14♋ 6	26°12	18°40	4°42	24°28	19°56	14°41	11°39	23°33	14°55	13°23	2°39	n.a.	T 21
W22	3 42 21	25°23'33	28°26	27°48	19° 0	5°29	24°32	20° 1	14°45	11°40	23°35	14°51	13°20	2°45	n.a.	W22
T 23	3 46 18	26°24'49	12♌19	29°24	19°22	6°15	24°37	20° 6	14°49	11°41	23°37	14°48	13°17	2°52	n.a.	T 23
F 24	3 50 14	27°26'04	25°43	1♐ 0	19°46	7° 2	24°41	20°11	14°52	11°41	23°39	14°D47	13°14	2°59	n.a.	F 24
S 25	3 54 11	28°27'20	8♍42	2°36	20°11	7°49	24°45	20°17	14°56	11°42	23°41	14°47	13°11	3° 5	n.a.	S 25
S 26	3 58 7	29°28'37	21°19	4°13	20°39	8°35	24°49	20°22	14°59	11°43	23°42	14°49	13° 8	3°12	n.a.	S 26
M27	4 2 4	0♐29'54	3♎39	5°50	21° 8	9°22	24°52	20°28	15° 3	11°44	23°44	14°50	13° 4	3°19	n.a.	M27
T 28	4 6 0	1°31'11	15°46	7°28	21°38	10° 9	24°56	20°33	15° 7	11°45	23°46	14°R51	13° 1	3°26	n.a.	T 28
W29	4 9 57	2°32'28	27°45	9° 5	22°11	10°55	24°59	20°39	15°10	11°46	23°48	14°50	12°58	3°32	n.a.	W29
T 30	4 13 54	3♐33'45	9♏38	10♐43	22♎44	11♐42	25♌ 2	20♑45	15♏14	11♒47	23♐50	14♈46	12♈55	3♐39	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13s 1	7s41	0s17	9s 9	0n36	10s 5	2s22	18s20	0s33	15n19	1n 9	23s24	0s57	15s52	0n14	18s29	0s57	25s39	2s 5	6n15	5n46	24s 7		n.a.
T 2	13 21	13 10	1 22	9 50	0 29	9 41	2 6	18 33	0 34	15 17	1 10	23 23	0 57	15 53	0 14	18 28	0 57	25 39	2 5	6 14	5 45	24 9		n.a.
F 3	13 42	18 7	2 23	10 31	0 22	9 17	1 51	18 46	0 35	15 14	1 10	23 23	0 56	15 54	0 14	18 28	0 57	25 39	2 5	6 14	5 44	24 11		n.a.
S 4	14 2	22 21	3 18	11 11	0 15	8 55	1 35	18 58	0 35	15 12	1 10	23 22	0 56	15 56	0 14	18 28	0 57	25 39	2 5	6 13	5 42	24 13		n.a.
S 5	14 23	25 39	4 4	11 50	0 9	8 33	1 20	19 11	0 36	15 10	1 10	23 21	0 56	15 57	0 14	18 28	0 57	25 39	2 5	6 11	5 41	24 15		n.a.
M 6	14 42	27 51	4 39	12 29	0 2	8 13	1 5	19 23	0 36	15 8	1 11	23 21	0 56	15 58	0 14	18 28	0 57	25 39	2 5	6 9	5 40	24 17		n.a.
T 7	15 2	28 48	5 3	13 8	0s 5	7 53	0 50	19 36	0 37	15 6	1 11	23 20	0 56	15 59	0 14	18 28	0 57	25 39	2 5	6 8	5 39	24 19		n.a.
W 8	15 21	28 24	5 13	13 46	0 11	7 35	0 36	19 48	0 37	15 4	1 11	23 20	0 56	16 0	0 14	18 28	0 57	25 40	2 5	6 6	5 37	24 22		n.a.
T 9	15 41	26 39	5 10	14 24	0 18	7 19	0 22	19 59	0 38	15 2	1 11	23 19	0 56	16 1	0 14	18 28	0 57	25 40	2 5	6 5	5 36	24 24		n.a.
F 10	15 59	23 36	4 52	15 1	0 24	7 3	0 8	20 11	0 38	15 0	1 12	23 18	0 56	16 2	0 14	18 28	0 57	25 40	2 5	6 5	5 35	24 26		n.a.
S 11	16 18	19 24	4 21	15 37	0 31	6 49	0n 5	20 22	0 39	14 58	1 12	23 18	0 56	16 3	0 14	18 28	0 57	25 40	2 5	6 5	5 34	24 28		n.a.
S 12	16 36	14 11	3 35	16 13	0 37	6 36	0 18	20 34	0 40	14 57	1 12	23 17	0 56	16 5	0 14	18 27	0 57	25 40	2 5	6 5	5 32	24 29		n.a.
M13	16 54	8 9	2 36	16 47	0 43	6 24	0 31	20 45	0 40	14 55	1 13	23 17	0 56	16 6	0 14	18 27	0 57	25 40	2 5	6 6	5 31	24 31		n.a.
T 14	17 12	1 31	1 26	17 22	0 49	6 14	0 43	20 55	0 41	14 53	1 13	23 16	0 56	16 7	0 14	18 27	0 57	25 40	2 5	6 6	5 30	24 33		n.a.
W15	17 29	5n24	0 8	17 55	0 55	6 5	0 54	21 6	0 41	14 51	1 13	23 15	0 56	16 8	0 14	18 27	0 57	25 40	2 6	6 7	5 29	24 35		n.a.
T 16	17 46	12 14	1n12	18 28	1 1	5 57	1 6	21 16	0 42	14 50	1 13	23 15	0 56	16 9	0 14	18 27	0 57	25 41	2 6	6 6	5 27	24 37		n.a.
F 17	18 3	18 31	2 29	19 0	1 6	5 51	1 16	21 27	0 42	14 48	1 14	23 14	0 56	16 10	0 14	18 26	0 57	25 41	2 6	6 5	5 26	24 39		n.a.
S 18	18 19	23 41	3 35	19 30	1 12	5 46	1 27	21 36	0 43	14 47	1 14	23 13	0 56	16 11	0 13	18 26	0 57	25 41	2 6	6 4	5 25	24 41		n.a.
S 19	18 35	27 13	4 27	20 0	1 17	5 42	1 37	21 46	0 43	14 45	1 14	23 12	0 56	16 12	0 13	18 26	0 57	25 41	2 6	6 2	5 24	24 43		n.a.
M20	18 51	28 44	4 59	20 30	1 22	5 40	1 46	21 56	0 44	14 44	1 14	23 12	0 56	16 13	0 13	18 26	0 57	25 41	2 6	5 59	5 22	24 45		n.a.
T 21	19 7	28 8	5 10	20 58	1 27	5 38	1 55	22 5	0 44	14 43	1 15	23 11	0 56	16 14	0 13	18 26	0 57	25 41	2 6	5 57	5 21	24 47		n.a.
W22	19 22	25 40	5 2	21 25	1 32	5 38	2 4	22 14	0 45	14 41	1 15	23 10	0 56	16 16	0 13	18 25	0 57	25 41	2 6	5 55	5 20	24 49		n.a.
T 23	19 36	21 44	4 36	21 51	1 36	5 39	2 12	22 23	0 45	14 40	1 15	23 9	0 56	16 17	0 13	18 25	0 57	25 42	2 6	5 54	5 19	24 51		n.a.
F 24	19 51	16 47	3 55	22 16	1 40	5 40	2 20	22 31	0 46	14 39	1 16	23 8	0 56	16 18	0 13	18 25	0 57	25 42	2 6	5 54	5 17	24 53		n.a.
S 25	20 5	11 14	3 3	22 39	1 44	5 43	2 27	22 39	0 46	14 38	1 16	23 8	0 56	16 19	0 13	18 24	0 57	25 42	2 6	5 54	5 16	24 55		n.a.
S 26	20 18	5 23	2 4	23 2	1 48	5 47	2 34	22 47	0 47	14 37	1 16	23 7	0 56	16 20	0 13	18 24	0 57	25 42	2 6	5 55	5 15	24 57		n.a.
M27	20 31	0s33	1 0	23 23	1 51	5 52	2 41	22 55	0 47	14 36	1 17	23 6	0 56	16 21	0 13	18 24	0 57	25 42	2 6	5 55	5 14	24 59		n.a.
T 28	20 44	6 22	0s 5	23 43	1 55	5 58	2 47	23 3	0 48	14 35	1 17	23 5	0 56	16 22	0 13	18 24	0 57	25 42	2 6	5 55	5 12	25 0		n.a.
W29	20 56	11 53	1 9	24 2	1 57	6 4	2 53	23 10	0 48	14 34	1 17	23 4	0 56	16 23	0 13	18 23	0 57	25 42	2 6	5 55	5 11	25 2		n.a.
T 30	21s 8	16s56	2s10	24s19	2s 0	6s12	2n59	23s17	0s49	14n34	1n17	23s 3	0s56	16s24	0n13	18s23	0s57	25s43	2s 6	5n54	5n10	25s 4		n.a.

Julian Day Number = 1556269.5, Delta T = 04h27m20s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°19'02, Lahiri = -10°12'01 Julian Calendar 1 Nov. 453 BCE == Greg. Calendar 27 Oct. 453 BCE

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ASTRODIENST EPHEMERIS for the year 453 BCE
geocentric

DECEMBER 453 BCE (-452) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 17 50	4♐35'03	21♏28	12♐21	23♎20	12♐29	25♌ 5	20♉51	15♏17	11♒48	23♐52	14°R41	12♈52	3♐46	n.a.	F 1
S 2	4 21 47	5°36'20	3♐18	14° 0	23°56	13°16	25° 8	20°56	15°21	11°50	23°54	14♈33	12°49	3°52	n.a.	S 2
S 3	4 25 43	6°37'37	15° 8	15°38	24°34	14° 3	25°10	21° 2	15°24	11°51	23°55	14°23	12°45	3°59	n.a.	S 3
M 4	4 29 40	7°38'54	27° 2	17°17	25°13	14°50	25°13	21° 8	15°28	11°52	23°57	14°12	12°42	4° 6	n.a.	M 4
T 5	4 33 36	8°40'11	8♉59	18°56	25°53	15°36	25°15	21°14	15°31	11°53	23°59	14° 0	12°39	4°12	n.a.	T 5
W 6	4 37 33	9°41'27	21° 3	20°34	26°35	16°23	25°17	21°20	15°35	11°54	24° 1	13°50	12°36	4°19	n.a.	W 6
T 7	4 41 30	10°42'43	3♒14	22°13	27°18	17°10	25°19	21°26	15°38	11°56	24° 3	13°42	12°33	4°26	n.a.	T 7
F 8	4 45 26	11°43'58	15°37	23°52	28° 1	17°57	25°20	21°33	15°42	11°57	24° 5	13°36	12°29	4°33	n.a.	F 8
S 9	4 49 23	12°45'12	28°13	25°30	28°46	18°44	25°22	21°39	15°45	11°58	24° 7	13°32	12°26	4°39	n.a.	S 9
S 10	4 53 19	13°46'26	11♓ 7	27° 8	29°32	19°31	25°23	21°45	15°48	12° 0	24° 9	13°D31	12°23	4°46	n.a.	S 10
M11	4 57 16	14°47'39	24°22	28°45	0♏18	20°18	25°24	21°51	15°52	12° 1	24°11	13°32	12°20	4°53	n.a.	M11
T 12	5 1 12	15°48'51	8♈ 2	0♉22	1° 6	21° 5	25°25	21°58	15°55	12° 3	24°13	13°R32	12°17	4°59	n.a.	T 12
W13	5 5 9	16°50'02	22° 9	1°58	1°55	21°53	25°26	22° 4	15°58	12° 4	24°15	13°32	12°14	5° 6	n.a.	W13
T 14	5 9 5	17°51'12	6♉42	3°32	2°44	22°40	25°26	22°11	16° 2	12° 6	24°17	13°30	12°10	5°13	n.a.	T 14
F 15	5 13 2	18°52'21	21°38	5° 5	3°34	23°27	25°26	22°17	16° 5	12° 7	24°19	13°25	12° 7	5°19	n.a.	F 15
S 16	5 16 59	19°53'30	6♊50	6°36	4°25	24°14	25°R26	22°24	16° 8	12° 9	24°21	13°18	12° 4	5°26	n.a.	S 16
S 17	5 20 55	20°54'38	22°10	8° 4	5°17	25° 1	25°26	22°30	16°11	12°10	24°23	13° 8	12° 1	5°33	n.a.	S 17
M18	5 24 52	21°55'45	7♋24	9°30	6° 9	25°48	25°26	22°37	16°14	12°12	24°25	12°58	11°58	5°39	n.a.	M18
T 19	5 28 48	22°56'51	22°22	10°52	7° 2	26°35	25°25	22°44	16°18	12°13	24°27	12°47	11°55	5°46	n.a.	T 19
W20	5 32 45	23°57'57	6♌56	12°11	7°56	27°23	25°25	22°50	16°21	12°15	24°28	12°38	11°51	5°53	n.a.	W20
T 21	5 36 41	24°59'02	21° 0	13°24	8°51	28°10	25°24	22°57	16°24	12°17	24°30	12°31	11°48	6° 0	n.a.	T 21
F 22	5 40 38	26° 0'06	4♍34	14°33	9°46	28°57	25°23	23° 4	16°27	12°18	24°32	12°27	11°45	6° 6	n.a.	F 22
S 23	5 44 35	27° 1'10	17°39	15°34	10°41	29°44	25°22	23°11	16°30	12°20	24°34	12°25	11°42	6°13	n.a.	S 23
S 24	5 48 31	28° 2'13	0♎18	16°29	11°38	0♉32	25°20	23°18	16°33	12°22	24°36	12°D25	11°39	6°20	n.a.	S 24
M25	5 52 28	29° 3'15	12°38	17°16	12°34	1°19	25°19	23°25	16°36	12°24	24°38	12°R25	11°35	6°26	n.a.	M25
T 26	5 56 24	0♉ 4'16	24°42	17°55	13°32	2° 6	25°17	23°32	16°39	12°25	24°40	12°24	11°32	6°33	n.a.	T 26
W27	6 0 21	1° 5'17	6♏36	18°24	14°30	2°54	25°15	23°39	16°42	12°27	24°42	12°22	11°29	6°40	n.a.	W27
T 28	6 4 17	2° 6'16	18°26	18°42	15°28	3°41	25°12	23°46	16°44	12°29	24°44	12°17	11°26	6°46	n.a.	T 28
F 29	6 8 14	3° 7'15	0♐14	18°R50	16°27	4°28	25°10	23°53	16°47	12°31	24°46	12° 9	11°23	6°53	n.a.	F 29
S 30	6 12 10	4° 8'13	12° 4	18°47	17°26	5°16	25° 7	24° 0	16°50	12°33	24°48	11°58	11°20	7° 0	n.a.	S 30
S 31	6 16 7	5♉ 9'09	23♐58	18♉33	18♏26	6♉ 3	25♌ 5	24♉ 7	16♏53	12♒35	24♐50	11♈44	11♈16	7♐ 7	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s20	21s19	3s 4	24s35	2s 2	6s20	3n 4	23s24	0s49	14n33	1n18	23s 2	0s56	16s25	0n13	18s23	0s57	25s43	2s 6	5n51	5n 9	25s 6		n.a.
S 2	21 31	24 51	3 50	24 49	2 4	6 29	3 9	23 30	0 49	14 32	1 18	23 2	0 56	16 26	0 13	18 22	0 57	25 43	2 7	5 48	5 7	25 8		n.a.
S 3	21 42	27 20	4 27	25 2	2 5	6 39	3 13	23 37	0 50	14 32	1 18	23 1	0 56	16 27	0 13	18 22	0 57	25 43	2 7	5 44	5 6	25 10		n.a.
M 4	21 52	28 34	4 51	25 13	2 6	6 49	3 17	23 43	0 50	14 31	1 19	23 0	0 56	16 28	0 13	18 22	0 57	25 43	2 7	5 40	5 5	25 12		n.a.
T 5	22 2	28 29	5 4	25 23	2 6	7 0	3 21	23 48	0 51	14 31	1 19	22 59	0 56	16 29	0 13	18 21	0 57	25 43	2 7	5 36	5 4	25 13		n.a.
W 6	22 12	27 3	5 2	25 31	2 6	7 12	3 25	23 54	0 51	14 30	1 19	22 58	0 56	16 30	0 13	18 21	0 57	25 44	2 7	5 32	5 2	25 15		n.a.
T 7	22 21	24 20	4 47	25 37	2 6	7 24	3 28	23 59	0 52	14 30	1 20	22 57	0 56	16 31	0 13	18 20	0 57	25 44	2 7	5 28	5 1	25 17		n.a.
F 8	22 29	20 29	4 19	25 41	2 5	7 37	3 31	24 4	0 52	14 30	1 20	22 56	0 56	16 32	0 13	18 20	0 57	25 44	2 7	5 26	5 0	25 19		n.a.
S 9	22 37	15 38	3 37	25 44	2 3	7 51	3 34	24 8	0 52	14 29	1 20	22 55	0 56	16 33	0 13	18 20	0 56	25 44	2 7	5 25	4 59	25 21		n.a.
S 10	22 45	10 1	2 44	25 44	2 1	8 4	3 37	24 13	0 53	14 29	1 20	22 54	0 57	16 34	0 13	18 19	0 56	25 44	2 7	5 24	4 57	25 22		n.a.
M11	22 52	3 48	1 40	25 43	1 58	8 19	3 39	24 17	0 53	14 29	1 21	22 53	0 57	16 35	0 13	18 19	0 56	25 44	2 7	5 24	4 56	25 24		n.a.
T 12	22 59	2n47	0 29	25 40	1 54	8 34	3 41	24 20	0 54	14 29	1 21	22 52	0 57	16 36	0 13	18 18	0 56	25 45	2 7	5 25	4 55	25 26		n.a.
W13	23 5	9 26	0n46	25 34	1 50	8 49	3 43	24 24	0 54	14 29	1 21	22 51	0 57	16 37	0 13	18 18	0 56	25 45	2 7	5 25	4 54	25 28		n.a.
T 14	23 11	15 49	2 0	25 27	1 45	9 4	3 44	24 27	0 54	14 29	1 22	22 50	0 57	16 38	0 13	18 18	0 56	25 45	2 7	5 24	4 52	25 30		n.a.
F 15	23 17	21 26	3 8	25 18	1 39	9 20	3 46	24 30	0 55	14 30	1 22	22 49	0 57	16 39	0 13	18 17	0 56	25 45	2 7	5 22	4 51	25 31		n.a.
S 16	23 22	25 44	4 4	25 8	1 33	9 36	3 47	24 33	0 55	14 30	1 22	22 48	0 57	16 40	0 13	18 17	0 56	25 45	2 8	5 19	4 50	25 33		n.a.
S 17	23 26	28 13	4 42	24 55	1 25	9 53	3 47	24 35	0 56	14 30	1 23	22 47	0 57	16 41	0 13	18 16	0 56	25 45	2 8	5 15	4 49	25 35		n.a.
M18	23 30	28 33	5 1	24 41	1 16	10 10	3 48	24 37	0 56	14 31	1 23	22 45	0 57	16 42	0 13	18 16	0 56	25 46	2 8	5 11	4 47	25 37		n.a.
T 19	23 34	26 46	4 58	24 25	1 7	10 27	3 48	24 39	0 56	14 31	1 23	22 44	0 57	16 43	0 13	18 15	0 56	25 46	2 8	5 7	4 46	25 38		n.a.
W20	23 37	23 13	4 36	24 7	0 57	10 44	3 49	24 40	0 57	14 32	1 24	22 43	0 57	16 44	0 13	18 15	0 56	25 46	2 8	5 3	4 45	25 40		n.a.
T 21	23 39	18 25	3 57	23 49	0 45	11 1	3 49	24 41	0 57	14 32	1 24	22 42	0 57	16 45	0 13	18 14	0 56	25 46	2 8	5 1	4 44	25 42		n.a.
F 22	23 41	12 51	3 6	23 29	0 33	11 19	3 49	24 42	0 57	14 33	1 24	22 41	0 57	16 46	0 13	18 14	0 56	25 46	2 8	4 59	4 42	25 44		n.a.
S 23	23 43	6 53	2 7	23 9	0 19	11 37	3 48	24 43	0 58	14 34	1 25	22 40	0 57	16 46	0 13	18 13	0 56	25 46	2 8	4 58	4 41	25 45		n.a.
S 24	23 44	0 51	1 4	22 48	0 5	11 55	3 48	24 43	0 58	14 34	1 25	22 39	0 57	16 47	0 13	18 13	0 56	25 47	2 8	4 58	4 40	25 47		n.a.
M25	23 45	5s 4	0s 1	22 27	0n11	12 13	3 47	24 43	0 58	14 35	1 25	22 38	0 57	16 48	0 13	18 12	0 56	25 47	2 8	4 58	4 39	25 49		n.a.
T 26	23 45	10 41	1 5	22 5	0 27	12 31	3 46	24 43	0 59	14 36	1 25	22 36	0 57	16 49	0 13	18 12	0 56	25 47	2 8	4 58	4 37	25 50		n.a.
W27	23 45	15 51	2 4	21 45	0 44	12 49	3 45	24 42	0 59	14 37	1 26	22 35	0 57	16 50	0 13	18 11	0 56	25 47	2 8	4 57	4 36	25 52		n.a.
T 28	23 44	20 23	2 58	21 25	1 2	13 7	3 44	24 41	0 59	14 38	1 26	22 34	0 57	16 51	0 13	18 11	0 56	25 47	2 9	4 55	4 35	25 54		n.a.
F 29	23 43	24 7	3 44	21 6	1 20	13 25	3 43	24 40	0 59	14 39	1 26	22 33	0 57	16 51	0 13	18 10	0 56	25 47	2 9	4 52	4 33	25 55		n.a.
S 30	23 41	26 50	4 20	20 48	1 38	13 43	3 41	24 39	1 0	14 40	1 27	22 32	0 57	16 52	0 13	18 10	0 56	25 48	2 9	4 47	4 32	25 57		n.a.
S 31	23s39	28s22	4s45	20s32	1n56	14s 1	3n40	24s37	1s 0	14n42	1n27	22s30	0s57	16s53	0n13	18s 9	0s56	25s48	2s 9	4n42	4n31	25s59		n.a.

Julian Day Number = 1556299.5, Delta T = 04h27m18s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'58, Lahiri = -10°11'57 Julian Calendar 1 Dec. 453 BCE == Greg. Calendar 26 Nov. 453 BCE

The year -452 astronomical counting style corresponds to year 453 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

JANUARY 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 20 4	6♑10'04	5♑58	18°R 7	19♏26	6♑50	25°R 2	24♑14	16♏56	12♒36	24♐52	11°R30	11♈13	7♐13	n.a.	M 1
T 2	6 24 0	7°10'59	18° 5	17♑31	20°26	7°38	24♌59	24°21	16°58	12°38	24°54	11♈15	11°10	7°20	n.a.	T 2
W 3	6 27 57	8°11'51	0♒20	16°45	21°27	8°25	24°55	24°28	17° 1	12°40	24°56	11° 1	11° 7	7°27	n.a.	W 3
T 4	6 31 53	9°12'42	12°43	15°51	22°29	9°12	24°52	24°35	17° 4	12°42	24°58	10°49	11° 4	7°33	n.a.	T 4
F 5	6 35 50	10°13'32	25°15	14°50	23°30	10° 0	24°48	24°42	17° 6	12°44	25° 0	10°40	11° 1	7°40	n.a.	F 5
S 6	6 39 46	11°14'20	7♓59	13°43	24°32	10°47	24°44	24°50	17° 9	12°46	25° 2	10°34	10°57	7°47	n.a.	S 6
S 7	6 43 43	12°15'06	20°57	12°33	25°34	11°34	24°40	24°57	17°11	12°48	25° 3	10°31	10°54	7°53	n.a.	S 7
M 8	6 47 39	13°15'51	4♈11	11°22	26°37	12°22	24°36	25° 4	17°14	12°50	25° 5	10°31	10°51	8° 0	n.a.	M 8
T 9	6 51 36	14°16'33	17°43	10°11	27°40	13° 9	24°32	25°11	17°16	12°52	25° 7	10°31	10°48	8° 7	n.a.	T 9
W10	6 55 33	15°17'14	1♉37	9° 3	28°43	13°57	24°27	25°19	17°18	12°54	25° 9	10°30	10°45	8°14	n.a.	W10
T 11	6 59 29	16°17'53	15°52	7°58	29°47	14°44	24°22	25°26	17°21	12°56	25°11	10°28	10°41	8°20	n.a.	T 11
F 12	7 3 26	17°18'30	0♊28	6°59	0♐50	15°31	24°18	25°33	17°23	12°59	25°13	10°23	10°38	8°27	n.a.	F 12
S 13	7 7 22	18°19'06	15°21	6° 7	1°54	16°19	24°13	25°41	17°25	13° 1	25°15	10°15	10°35	8°34	n.a.	S 13
S 14	7 11 19	19°19'40	0♋22	5°21	2°59	17° 6	24° 7	25°48	17°27	13° 3	25°17	10° 5	10°32	8°40	n.a.	S 14
M15	7 15 15	20°20'11	15°24	4°43	4° 3	17°53	24° 2	25°55	17°30	13° 5	25°18	9°53	10°29	8°47	n.a.	M15
T 16	7 19 12	21°20'42	0♌16	4°12	5° 8	18°41	23°57	26° 3	17°32	13° 7	25°20	9°42	10°26	8°54	n.a.	T 16
W17	7 23 8	22°21'10	14°49	3°49	6°13	19°28	23°51	26°10	17°34	13° 9	25°22	9°31	10°22	9° 1	n.a.	W17
T 18	7 27 5	23°21'37	28°57	3°34	7°18	20°15	23°45	26°17	17°36	13°11	25°24	9°23	10°19	9° 7	n.a.	T 18
F 19	7 31 2	24°22'02	12♍37	3°26	8°24	21° 3	23°39	26°25	17°38	13°14	25°25	9°18	10°16	9°14	n.a.	F 19
S 20	7 34 58	25°22'25	25°48	3°D25	9°29	21°50	23°33	26°32	17°40	13°16	25°27	9°16	10°13	9°21	n.a.	S 20
S 21	7 38 55	26°22'47	8♎34	3°31	10°35	22°37	23°27	26°39	17°42	13°18	25°29	9°D15	10°10	9°27	n.a.	S 21
M22	7 42 51	27°23'08	20°58	3°43	11°41	23°25	23°21	26°47	17°43	13°20	25°31	9°15	10° 7	9°34	n.a.	M22
T 23	7 46 48	28°23'27	3♏ 5	4° 1	12°48	24°12	23°15	26°54	17°45	13°22	25°32	9°R15	10° 3	9°41	n.a.	T 23
W24	7 50 44	29°23'44	15° 1	4°25	13°54	24°59	23° 8	27° 1	17°47	13°24	25°34	9°14	10° 0	9°47	n.a.	W24
T 25	7 54 41	0♒24'00	26°51	4°54	15° 1	25°46	23° 2	27° 9	17°49	13°27	25°36	9°10	9°57	9°54	n.a.	T 25
F 26	7 58 37	1°24'14	8♐40	5°27	16° 8	26°34	22°55	27°16	17°50	13°29	25°38	9° 4	9°54	10° 1	n.a.	F 26
S 27	8 2 34	2°24'26	20°33	6° 5	17°15	27°21	22°48	27°23	17°52	13°31	25°39	8°56	9°51	10° 8	n.a.	S 27
S 28	8 6 31	3°24'37	2♑31	6°47	18°22	28° 8	22°41	27°31	17°53	13°33	25°41	8°45	9°47	10°14	n.a.	S 28
M29	8 10 27	4°24'46	14°39	7°33	19°29	28°55	22°34	27°38	17°55	13°36	25°42	8°33	9°44	10°21	n.a.	M29
T 30	8 14 24	5°24'52	26°56	8°22	20°37	29°43	22°27	27°45	17°56	13°38	25°44	8°21	9°41	10°28	n.a.	T 30
W31	8 18 20	6♒24'57	9♒25	9♑15	21♐44	0♒30	22♌20	27♑53	17♏58	13♒40	25♐46	8♈ 9	9♈38	10♐34	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23s36	28s34	4s58	20s18	2n14	14s19	3n38	24s35	1s 0	14n43	1n27	22s29	0s57	16s54	0n13	18s 9	0s56	25s48	2s 9	4n36	4n30	26s 0			n.a.
T 2	23 33	27 25	4 57	20 6	2 31	14 37	3 36	24 32	1 1	14 44	1 27	22 28	0 57	16 55	0 13	18 8	0 56	25 48	2 9	4 30	4 28	26 2			n.a.
W 3	23 30	24 56	4 43	19 55	2 47	14 55	3 34	24 30	1 1	14 46	1 28	22 27	0 57	16 55	0 13	18 7	0 56	25 48	2 9	4 25	4 27	26 4			n.a.
T 4	23 26	21 17	4 15	19 47	3 2	15 13	3 32	24 27	1 1	14 47	1 28	22 25	0 57	16 56	0 13	18 7	0 56	25 48	2 9	4 20	4 26	26 5			n.a.
F 5	23 21	16 38	3 34	19 42	3 15	15 31	3 30	24 23	1 1	14 49	1 28	22 24	0 57	16 57	0 13	18 6	0 56	25 49	2 9	4 17	4 25	26 7			n.a.
S 6	23 16	11 11	2 42	19 38	3 25	15 48	3 27	24 20	1 2	14 50	1 29	22 23	0 57	16 58	0 13	18 6	0 56	25 49	2 9	4 14	4 23	26 9			n.a.
S 7	23 11	5 11	1 41	19 36	3 34	16 6	3 25	24 16	1 2	14 52	1 29	22 22	0 57	16 58	0 13	18 5	0 56	25 49	2 10	4 13	4 22	26 10			n.a.
M 8	23 5	1n10	0 33	19 36	3 41	16 23	3 22	24 12	1 2	14 53	1 29	22 20	0 57	16 59	0 13	18 4	0 56	25 49	2 10	4 13	4 21	26 12			n.a.
T 9	22 59	7 38	0n38	19 37	3 45	16 40	3 19	24 8	1 2	14 55	1 29	22 19	0 58	17 0	0 13	18 4	0 56	25 49	2 10	4 13	4 20	26 13			n.a.
W10	22 52	13 53	1 49	19 41	3 46	16 56	3 17	24 3	1 3	14 57	1 30	22 18	0 58	17 0	0 13	18 3	0 56	25 50	2 10	4 13	4 18	26 15			n.a.
T 11	22 45	19 35	2 55	19 45	3 46	17 13	3 14	23 58	1 3	14 59	1 30	22 16	0 58	17 1	0 13	18 3	0 56	25 50	2 10	4 12	4 17	26 17			n.a.
F 12	22 37	24 17	3 51	19 51	3 43	17 29	3 11	23 53	1 3	15 1	1 30	22 15	0 58	17 2	0 13	18 2	0 56	25 50	2 10	4 10	4 16	26 18			n.a.
S 13	22 29	27 27	4 33	19 58	3 38	17 45	3 8	23 47	1 3	15 3	1 30	22 14	0 58	17 2	0 13	18 1	0 56	25 50	2 10	4 7	4 15	26 20			n.a.
S 14	22 20	28 41	4 56	20 7	3 32	18 1	3 5	23 41	1 3	15 5	1 31	22 13	0 58	17 3	0 13	18 1	0 56	25 50	2 10	4 3	4 13	26 21			n.a.
M15	22 11	27 48	4 59	20 16	3 24	18 16	3 1	23 35	1 4	15 7	1 31	22 11	0 58	17 4	0 13	18 0	0 56	25 50	2 10	3 58	4 12	26 23			n.a.
T 16	22 2	24 56	4 41	20 26	3 16	18 31	2 58	23 29	1 4	15 9	1 31	22 10	0 58	17 4	0 13	18 0	0 56	25 51	2 11	3 53	4 11	26 24			n.a.
W17	21 52	20 31	4 6	20 36	3 6	18 46	2 55	23 22	1 4	15 11	1 31	22 9	0 58	17 5	0 13	17 59	0 56	25 51	2 11	3 49	4 10	26 26			n.a.
T 18	21 42	15 2	3 16	20 47	2 55	19 0	2 51	23 15	1 4	15 13	1 32	22 7	0 58	17 5	0 13	17 58	0 56	25 51	2 11	3 46	4 8	26 27			n.a.
F 19	21 31	9 0	2 16	20 58	2 44	19 14	2 48	23 8	1 4	15 15	1 32	22 6	0 58	17 6	0 13	17 58	0 56	25 51	2 11	3 44	4 7	26 29			n.a.
S 20	21 20	2 46	1 11	21 10	2 33	19 28	2 44	23 1	1 4	15 17	1 32	22 4	0 58	17 6	0 13	17 57	0 56	25 51	2 11	3 43	4 6	26 30			n.a.
S 21	21 9	3s23	0 4	21 22	2 21	19 41	2 41	22 53	1 4	15 20	1 32	22 3	0 58	17 7	0 13	17 57	0 56	25 51	2 11	3 43	4 5	26 32			n.a.
M22	20 57	9 14	1s 2	21 33	2 9	19 54	2 37	22 45	1 5	15 22	1 33	22 2	0 58	17 8	0 13	17 56	0 56	25 52	2 11	3 43	4 3	26 33			n.a.
T 23	20 45	14 37	2 3	21 45	1 57	20 6	2 33	22 37	1 5	15 24	1 33	22 0	0 58	17 8	0 13	17 55	0 56	25 52	2 11	3 43	4 2	26 35			n.a.
W24	20 33	19 23	2 58	21 56	1 44	20 18	2 29	22 29	1 5	15 27	1 33	21 59	0 59	17 9	0 13	17 55	0 56	25 52	2 11	3 42	4 1	26 36			n.a.
T 25	20 20	23 21	3 44	22 7	1 32	20 29	2 25	22 20	1 5	15 29	1 33	21 58	0 59	17 9	0 13	17 54	0 56	25 52	2 12	3 41	3 59	26 38			n.a.
F 26	20 6	26 20	4 21	22 18	1 20	20 40	2 22	22 11	1 5	15 31	1 33	21 56	0 59	17 9	0 13	17 53	0 56	25 52	2 12	3 39	3 58	26 39			n.a.
S 27	19 53	28 11	4 47	22 28	1 9	20 51	2 18	22 2	1 5	15 34	1 34	21 55	0 59	17 10	0 13	17 53	0 56	25 53	2 12	3 35	3 57	26 41			n.a.
S 28	19 39	28 44	5 0	22 38	0 57	21 1	2 14	21 52	1 5	15 36	1 34	21 53	0 59	17 10	0 13	17 52	0 56	25 53	2 12	3 31	3 56	26 42			n.a.
M29	19 24	27 55	5 1	22 47	0 46	21 10	2 10	21 42	1 5	15 39	1 34	21 52	0 59	17 11	0 13	17 51	0 56	25 53	2 12	3 26	3 54	26 44			n.a.
T 30	19 10	25 44	4 47	22 55	0 34	21 19	2 6	21 33	1 5	15 41	1 34	21 51	0 59	17 11	0 13	17 51	0 56	25 53	2 12	3 21	3 53	26 45			n.a.
W31	18s55	22s17	4s19	23s 2	0n24	21s28	2n 2	21s22	1s 5	15n44	1n34	21s49	0s59	17s12	0n13	17s50	0s56	25s53	2s12	3n16	3n52	26s47			n.a.

Julian Day Number = 1556330.5, Delta T = 04h27m17s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'53, Lahiri = -10°11'53 Julian Calendar 1 Jan. 452 BCE == Greg. Calendar 27 Dec. 453 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

FEBRUARY 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 22 17	7♒25'00	22♒ 5	10♉11	22♐52	1♒17	22°R12	28♉ 0	17♏59	13♒42	25♐47	7°R59	9♈35	10♐41	n.a.	T 1
F 2	8 26 13	8°25'01	4♓56	11° 9	24° 0	2° 4	22♌ 5	28° 7	18° 1	13°45	25°49	7♈52	9°32	10°48	n.a.	F 2
S 3	8 30 10	9°25'00	17°58	12°10	25° 8	2°51	21°58	28°15	18° 2	13°47	25°50	7°48	9°28	10°55	n.a.	S 3
S 4	8 34 6	10°24'56	1♈11	13°14	26°16	3°38	21°50	28°22	18° 3	13°49	25°52	7°46	9°25	11° 1	n.a.	S 4
M 5	8 38 3	11°24'50	14°36	14°20	27°24	4°25	21°43	28°29	18° 4	13°52	25°53	7°D46	9°22	11° 8	n.a.	M 5
T 6	8 42 0	12°24'42	28°14	15°28	28°32	5°12	21°35	28°36	18° 5	13°54	25°55	7°47	9°19	11°15	n.a.	T 6
W 7	8 45 56	13°24'31	12♉ 6	16°39	29°41	6° 0	21°28	28°44	18° 6	13°56	25°56	7°R47	9°16	11°21	n.a.	W 7
T 8	8 49 53	14°24'18	26°12	17°51	0♉49	6°47	21°20	28°51	18° 7	13°58	25°58	7°47	9°13	11°28	n.a.	T 8
F 9	8 53 49	15°24'03	10♊30	19° 6	1°58	7°34	21°12	28°58	18° 8	14° 1	25°59	7°44	9° 9	11°35	n.a.	F 9
S 10	8 57 46	16°23'45	25° 0	20°22	3° 7	8°20	21° 4	29° 5	18° 9	14° 3	26° 0	7°39	9° 6	11°41	n.a.	S 10
S 11	9 1 42	17°23'25	9♋35	21°39	4°16	9° 7	20°57	29°12	18°10	14° 5	26° 2	7°33	9° 3	11°48	n.a.	S 11
M12	9 5 39	18°23'03	24°10	22°59	5°25	9°54	20°49	29°19	18°11	14° 7	26° 3	7°25	9° 0	11°55	n.a.	M12
T 13	9 9 35	19°22'38	8♌39	24°20	6°34	10°41	20°41	29°26	18°11	14°10	26° 4	7°17	8°57	12° 2	n.a.	T 13
W14	9 13 32	20°22'11	22°55	25°43	7°43	11°28	20°33	29°33	18°12	14°12	26° 6	7°10	8°53	12° 8	n.a.	W14
T 15	9 17 29	21°21'42	6♍51	27° 7	8°52	12°15	20°26	29°41	18°13	14°14	26° 7	7° 5	8°50	12°15	n.a.	T 15
F 16	9 21 25	22°21'11	20°25	28°33	10° 1	13° 2	20°18	29°48	18°13	14°16	26° 8	7° 1	8°47	12°22	n.a.	F 16
S 17	9 25 22	23°20'37	3♎35	0♒ 0	11°11	13°48	20°10	29°54	18°14	14°19	26°10	7°D 0	8°44	12°28	n.a.	S 17
S 18	9 29 18	24°20'02	16°22	1°29	12°20	14°35	20° 2	0♒ 1	18°14	14°21	26°11	7° 0	8°41	12°35	n.a.	S 18
M19	9 33 15	25°19'25	28°49	2°59	13°30	15°22	19°55	0° 8	18°15	14°23	26°12	7° 2	8°38	12°42	n.a.	M19
T 20	9 37 11	26°18'46	11♏ 0	4°31	14°40	16° 9	19°47	0°15	18°15	14°25	26°13	7° 3	8°34	12°49	n.a.	T 20
W21	9 41 8	27°18'05	23° 0	6° 4	15°49	16°55	19°39	0°22	18°15	14°28	26°14	7°R 4	8°31	12°55	n.a.	W21
T 22	9 45 4	28°17'22	4♐53	7°38	16°59	17°42	19°31	0°29	18°16	14°30	26°15	7° 4	8°28	13° 2	n.a.	T 22
F 23	9 49 1	29°16'38	16°44	9°14	18° 9	18°28	19°24	0°36	18°16	14°32	26°16	7° 2	8°25	13° 9	n.a.	F 23
S 24	9 52 58	0♓15'51	28°39	10°51	19°19	19°15	19°16	0°42	18°16	14°34	26°18	6°59	8°22	13°15	n.a.	S 24
S 25	9 56 54	1°15'03	10♉41	12°29	20°29	20° 2	19° 9	0°49	18°16	14°37	26°19	6°54	8°19	13°22	n.a.	S 25
M26	10 0 51	2°14'12	22°54	14° 9	21°39	20°48	19° 1	0°56	18°R16	14°39	26°20	6°48	8°15	13°29	n.a.	M26
T 27	10 4 47	3°13'20	5♒20	15°50	22°49	21°35	18°54	1° 2	18°16	14°41	26°21	6°42	8°12	13°36	n.a.	T 27
W28	10 8 44	4♓12'26	18♒ 1	17♒33	24♉ 0	22♒21	18♌47	1♒ 9	18♏16	14♒43	26♐22	6♈37	8♈ 9	13♐42	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s39	17s46	3s38	23s 8	0n13	21s36	1n58	21s12	1s 6	15n47	1n34	21s48	0s59	17s12	0n13	17s49	0s56	25s53	2s12	3n13	3n51	26s48		n.a.
F 2	18 24	12 24	2 46	23 14	0 3	21 43	1 54	21 1	1 6	15 49	1 35	21 46	0 59	17 12	0 13	17 49	0 56	25 54	2 13	3 10	3 49	26 49		n.a.
S 3	18 8	6 24	1 44	23 18	0s 7	21 50	1 49	20 50	1 6	15 52	1 35	21 45	0 59	17 13	0 13	17 48	0 56	25 54	2 13	3 8	3 48	26 51		n.a.
S 4	17 52	0 4	0 35	23 22	0 17	21 57	1 45	20 39	1 6	15 54	1 35	21 44	0 59	17 13	0 13	17 47	0 56	25 54	2 13	3 7	3 47	26 52		n.a.
M 5	17 35	6n23	0n37	23 24	0 26	22 2	1 41	20 28	1 6	15 57	1 35	21 42	0 59	17 13	0 13	17 47	0 56	25 54	2 13	3 7	3 46	26 54		n.a.
T 6	17 18	12 39	1 47	23 25	0 35	22 8	1 37	20 17	1 6	15 59	1 35	21 41	1 0	17 14	0 13	17 46	0 56	25 54	2 13	3 7	3 44	26 55		n.a.
W 7	17 1	18 25	2 53	23 25	0 44	22 12	1 33	20 5	1 6	16 2	1 35	21 39	1 0	17 14	0 13	17 45	0 56	25 55	2 13	3 8	3 43	26 56		n.a.
T 8	16 43	23 16	3 50	23 24	0 52	22 16	1 29	19 53	1 6	16 5	1 35	21 38	1 0	17 14	0 13	17 45	0 56	25 55	2 13	3 7	3 42	26 58		n.a.
F 9	16 26	26 49	4 33	23 22	1 0	22 20	1 25	19 41	1 6	16 7	1 35	21 37	1 0	17 14	0 13	17 44	0 56	25 55	2 14	3 6	3 40	26 59		n.a.
S 10	16 8	28 38	4 59	23 18	1 7	22 23	1 20	19 28	1 6	16 10	1 36	21 35	1 0	17 15	0 13	17 43	0 56	25 55	2 14	3 5	3 39	27 0		n.a.
S 11	15 49	28 29	5 6	23 13	1 15	22 25	1 16	19 16	1 6	16 13	1 36	21 34	1 0	17 15	0 13	17 43	0 56	25 55	2 14	3 2	3 38	27 2		n.a.
M12	15 31	26 22	4 54	23 6	1 21	22 26	1 12	19 3	1 6	16 15	1 36	21 32	1 0	17 15	0 13	17 42	0 56	25 55	2 14	2 59	3 37	27 3		n.a.
T 13	15 12	22 33	4 22	22 58	1 28	22 27	1 8	18 50	1 6	16 18	1 36	21 31	1 0	17 15	0 13	17 41	0 56	25 56	2 14	2 56	3 35	27 4		n.a.
W14	14 53	17 26	3 35	22 49	1 34	22 28	1 4	18 37	1 6	16 20	1 36	21 30	1 0	17 16	0 13	17 41	0 56	25 56	2 14	2 53	3 34	27 6		n.a.
T 15	14 34	11 31	2 35	22 38	1 39	22 28	1 0	18 24	1 6	16 23	1 36	21 28	1 0	17 16	0 13	17 40	0 56	25 56	2 14	2 51	3 33	27 7		n.a.
F 16	14 15	5 12	1 28	22 25	1 45	22 27	0 56	18 10	1 6	16 25	1 36	21 27	1 1	17 16	0 13	17 40	0 56	25 56	2 14	2 49	3 32	27 8		n.a.
S 17	13 55	1s10	0 18	22 12	1 49	22 25	0 51	17 57	1 6	16 28	1 36	21 25	1 1	17 16	0 13	17 39	0 56	25 56	2 15	2 49	3 30	27 10		n.a.
S 18	13 35	7 18	0s51	21 56	1 54	22 23	0 47	17 43	1 6	16 31	1 36	21 24	1 1	17 16	0 13	17 38	0 56	25 56	2 15	2 49	3 29	27 11		n.a.
M19	13 15	13 0	1 56	21 39	1 58	22 20	0 43	17 29	1 6	16 33	1 36	21 23	1 1	17 16	0 13	17 38	0 56	25 57	2 15	2 49	3 28	27 12		n.a.
T 20	12 55	18 4	2 54	21 21	2 1	22 17	0 39	17 15	1 5	16 36	1 36	21 21	1 1	17 16	0 13	17 37	0 56	25 57	2 15	2 50	3 27	27 14		n.a.
W21	12 34	22 22	3 44	21 1	2 4	22 13	0 35	17 0	1 5	16 38	1 36	21 20	1 1	17 16	0 13	17 36	0 56	25 57	2 15	2 50	3 25	27 15		n.a.
T 22	12 13	25 42	4 23	20 39	2 7	22 8	0 31	16 46	1 5	16 41	1 36	21 18	1 1	17 17	0 13	17 36	0 56	25 57	2 15	2 50	3 24	27 16		n.a.
F 23	11 53	27 55	4 51	20 15	2 9	22 3	0 27	16 31	1 5	16 43	1 36	21 17	1 1	17 17	0 13	17 35	0 56	25 57	2 15	2 50	3 23	27 17		n.a.
S 24	11 31	28 52	5 7	19 50	2 11	21 57	0 23	16 16	1 5	16 45	1 36	21 16	1 1	17 17	0 13	17 34	0 56	25 58	2 16	2 48	3 21	27 19		n.a.
S 25	11 10	28 28	5 10	19 24	2 13	21 51	0 20	16 1	1 5	16 48	1 36	21 14	1 2	17 17	0 13	17 34	0 56	25 58	2 16	2 46	3 20	27 20		n.a.
M26	10 49	26 41	4 59	18 55	2 13	21 44	0 16	15 46	1 5	16 50	1 36	21 13	1 2	17 17	0 13	17 33	0 56	25 58	2 16	2 44	3 19	27 21		n.a.
T 27	10 27	23 35	4 33	18 25	2 14	21 36	0 12	15 31	1 5	16 52	1 36	21 12	1 2	17 17	0 13	17 32	0 57	25 58	2 16	2 42	3 18	27 22		n.a.
W28	10s 6	19s20	3s54	17s54	2s14	21s27	0n 8	15s16	1s 5	16n55	1n36	21s10	1s 2	17s17	0n13	17s32	0s57	25s58	2s16	2n39	3n16	27s24		n.a.

Julian Day Number = 1556361.5, Delta T = 04h27m16s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'49, Lahiri = -10°11'49 Julian Calendar 1 Feb. 452 BCE == Greg. Calendar 27 Jan. 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

MARCH 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 12 40	5♓11'29	0♓58	19♒17	25♉10	23♒ 7	18°R39	1♒16	18°R16	14♒45	26♐22	6°R32	8♈ 6	13♐49	n.a.	T 1
F 2	10 16 37	6°10'30	14°10	21° 2	26°20	23°54	18♌32	1°22	18♏16	14°47	26°23	6♈29	8° 3	13°56	n.a.	F 2
S 3	10 20 33	7° 9'29	27°35	22°49	27°31	24°40	18°25	1°29	18°16	14°50	26°24	6°27	7°59	14° 2	n.a.	S 3
S 4	10 24 30	8° 8'26	11♈13	24°38	28°41	25°26	18°18	1°35	18°15	14°52	26°25	6°D27	7°56	14° 9	n.a.	S 4
M 5	10 28 26	9° 7'21	25° 1	26°27	29°52	26°13	18°11	1°41	18°15	14°54	26°26	6°28	7°53	14°16	n.a.	M 5
T 6	10 32 23	10° 6'13	8♉57	28°19	1♒ 2	26°59	18° 4	1°48	18°15	14°56	26°27	6°29	7°50	14°23	n.a.	T 6
W 7	10 36 20	11° 5'03	23° 1	0♓11	2°13	27°45	17°58	1°54	18°14	14°58	26°28	6°31	7°47	14°29	n.a.	W 7
T 8	10 40 16	12° 3'50	7♊10	2° 5	3°23	28°31	17°51	2° 0	18°14	15° 0	26°28	6°R31	7°44	14°36	n.a.	T 8
F 9	10 44 13	13° 2'35	21°22	4° 1	4°34	29°17	17°45	2° 6	18°13	15° 2	26°29	6°31	7°40	14°43	n.a.	F 9
S 10	10 48 9	14° 1'18	5♋36	5°58	5°45	0♓ 3	17°38	2°13	18°13	15° 4	26°30	6°30	7°37	14°49	n.a.	S 10
S 11	10 52 6	14°59'59	19°49	7°56	6°56	0°49	17°32	2°19	18°12	15° 6	26°30	6°28	7°34	14°56	n.a.	S 11
M12	10 56 2	15°58'37	3♌56	9°56	8° 6	1°35	17°26	2°25	18°11	15° 8	26°31	6°25	7°31	15° 3	n.a.	M12
T 13	10 59 59	16°57'12	17°56	11°57	9°17	2°21	17°20	2°31	18°11	15°10	26°32	6°22	7°28	15°10	n.a.	T 13
W14	11 3 55	17°55'46	1♍44	14° 0	10°28	3° 7	17°14	2°37	18°10	15°12	26°32	6°20	7°25	15°16	n.a.	W14
T 15	11 7 52	18°54'17	15°17	16° 3	11°39	3°53	17° 8	2°42	18° 9	15°14	26°33	6°18	7°21	15°23	n.a.	T 15
F 16	11 11 49	19°52'46	28°33	18° 8	12°50	4°38	17° 3	2°48	18° 8	15°16	26°33	6°17	7°18	15°30	n.a.	F 16
S 17	11 15 45	20°51'14	11♎32	20°14	14° 1	5°24	16°57	2°54	18° 7	15°18	26°34	6°D17	7°15	15°36	n.a.	S 17
S 18	11 19 42	21°49'39	24°13	22°20	15°12	6°10	16°52	3° 0	18° 6	15°20	26°34	6°18	7°12	15°43	n.a.	S 18
M19	11 23 38	22°48'03	6♏38	24°28	16°23	6°55	16°47	3° 5	18° 5	15°22	26°35	6°19	7° 9	15°50	n.a.	M19
T 20	11 27 35	23°46'25	18°49	26°35	17°34	7°41	16°42	3°11	18° 4	15°24	26°35	6°20	7° 5	15°56	n.a.	T 20
W21	11 31 31	24°44'45	0♐50	28°43	18°46	8°27	16°37	3°16	18° 3	15°26	26°36	6°21	7° 2	16° 3	n.a.	W21
T 22	11 35 28	25°43'03	12°44	0♈51	19°57	9°12	16°32	3°22	18° 2	15°28	26°36	6°22	6°59	16°10	n.a.	T 22
F 23	11 39 24	26°41'20	24°37	2°58	21° 8	9°58	16°28	3°27	18° 1	15°29	26°36	6°R22	6°56	16°17	n.a.	F 23
S 24	11 43 21	27°39'35	6♑33	5° 5	22°19	10°43	16°23	3°33	18° 0	15°31	26°36	6°22	6°53	16°23	n.a.	S 24
S 25	11 47 17	28°37'49	18°36	7°11	23°31	11°28	16°19	3°38	17°58	15°33	26°37	6°22	6°50	16°30	n.a.	S 25
M26	11 51 14	29°36'01	0♒51	9°16	24°42	12°14	16°15	3°43	17°57	15°35	26°37	6°21	6°46	16°37	n.a.	M26
T 27	11 55 11	0♈34'11	13°21	11°19	25°54	12°59	16°11	3°48	17°56	15°37	26°37	6°20	6°43	16°44	n.a.	T 27
W28	11 59 7	1°32'20	26° 9	13°20	27° 5	13°44	16° 7	3°53	17°54	15°38	26°37	6°19	6°40	16°50	n.a.	W28
T 29	12 3 4	2°30'27	9♓18	15°19	28°16	14°29	16° 4	3°58	17°53	15°40	26°38	6°19	6°37	16°57	n.a.	T 29
F 30	12 7 0	3°28'32	22°46	17°16	29°28	15°15	16° 0	4° 3	17°51	15°42	26°38	6°19	6°34	17° 4	n.a.	F 30
S 31	12 10 57	4♈26'35	6♈34	19♈10	0♓39	16♓ 0	15♌57	4♒ 8	17♏50	15♒43	26♐38	6°D19	6♈30	17♐10	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	9s44	14s 6	3s 2	17s20	2s13	21s18	0n 4	15s 0	1s 4	16n57	1n36	21s 9	1s 2	17s17	0n13	17s31	0s57	25s58	2s16	2n38	3n15	27s25			n.a.
F 2	9 22	8 8	1 59	16 45	2 12	21 9	0 1	14 44	1 4	16 59	1 36	21 8	1 2	17 17	0 13	17 31	0 57	25 59	2 16	2 36	3 14	27 26			n.a.
S 3	9 0	1 43	0 48	16 8	2 11	20 59	0s 3	14 29	1 4	17 1	1 36	21 6	1 2	17 17	0 13	17 30	0 57	25 59	2 17	2 36	3 13	27 27			n.a.
S 4	8 38	4n53	0n26	15 30	2 8	20 48	0 6	14 13	1 4	17 4	1 36	21 5	1 2	17 16	0 13	17 29	0 57	25 59	2 17	2 36	3 11	27 28			n.a.
M 5	8 15	11 21	1 40	14 50	2 6	20 36	0 10	13 57	1 4	17 6	1 36	21 4	1 3	17 16	0 13	17 29	0 57	25 59	2 17	2 36	3 10	27 30			n.a.
T 6	7 53	17 20	2 49	14 8	2 3	20 25	0 13	13 41	1 4	17 8	1 36	21 2	1 3	17 16	0 13	17 28	0 57	25 59	2 17	2 36	3 9	27 31			n.a.
W 7	7 30	22 27	3 48	13 24	1 59	20 12	0 17	13 24	1 4	17 10	1 36	21 1	1 3	17 16	0 13	17 28	0 57	25 59	2 17	2 37	3 8	27 32			n.a.
T 8	7 8	26 17	4 34	12 39	1 55	19 59	0 20	13 8	1 3	17 12	1 36	21 0	1 3	17 16	0 13	17 27	0 57	26 0	2 17	2 37	3 6	27 33			n.a.
F 9	6 45	28 31	5 3	11 52	1 50	19 45	0 24	12 51	1 3	17 14	1 36	20 58	1 3	17 16	0 13	17 26	0 57	26 0	2 18	2 37	3 5	27 34			n.a.
S 10	6 22	28 52	5 14	11 4	1 45	19 31	0 27	12 35	1 3	17 16	1 36	20 57	1 3	17 16	0 13	17 26	0 57	26 0	2 18	2 37	3 4	27 35			n.a.
S 11	5 59	27 18	5 6	10 14	1 39	19 16	0 30	12 18	1 3	17 18	1 35	20 56	1 3	17 16	0 13	17 25	0 57	26 0	2 18	2 36	3 2	27 36			n.a.
M12	5 36	24 2	4 39	9 22	1 33	19 1	0 33	12 1	1 3	17 19	1 35	20 55	1 4	17 15	0 13	17 25	0 57	26 0	2 18	2 35	3 1	27 38			n.a.
T 13	5 13	19 23	3 56	8 29	1 26	18 45	0 36	11 45	1 2	17 21	1 35	20 53	1 4	17 15	0 13	17 24	0 57	26 0	2 18	2 34	3 0	27 39			n.a.
W14	4 50	13 47	2 59	7 35	1 18	18 28	0 39	11 28	1 2	17 23	1 35	20 52	1 4	17 15	0 13	17 23	0 57	26 1	2 18	2 33	2 59	27 40			n.a.
T 15	4 27	7 37	1 53	6 39	1 10	18 12	0 42	11 10	1 2	17 25	1 35	20 51	1 4	17 15	0 13	17 23	0 57	26 1	2 18	2 32	2 57	27 41			n.a.
F 16	4 4	1 14	0 43	5 42	1 2	17 54	0 45	10 53	1 2	17 26	1 35	20 50	1 4	17 14	0 13	17 22	0 57	26 1	2 19	2 32	2 56	27 42			n.a.
S 17	3 40	5s 4	0s29	4 44	0 53	17 36	0 48	10 36	1 1	17 28	1 35	20 48	1 4	17 14	0 13	17 22	0 57	26 1	2 19	2 32	2 55	27 43			n.a.
S 18	3 17	11 1	1 37	3 45	0 44	17 18	0 51	10 19	1 1	17 29	1 35	20 47	1 4	17 14	0 13	17 21	0 57	26 1	2 19	2 32	2 54	27 44			n.a.
M19	2 54	16 25	2 40	2 45	0 34	16 59	0 54	10 2	1 1	17 31	1 35	20 46	1 5	17 14	0 13	17 21	0 57	26 1	2 19	2 32	2 52	27 45			n.a.
T 20	2 30	21 4	3 34	1 44	0 24	16 40	0 56	9 44	1 1	17 32	1 34	20 45	1 5	17 13	0 13	17 20	0 57	26 2	2 19	2 33	2 51	27 46			n.a.
W21	2 7	24 47	4 18	0 44	0 14	16 20	0 59	9 27	1 0	17 33	1 34	20 44	1 5	17 13	0 13	17 20	0 57	26 2	2 19	2 33	2 50	27 47			n.a.
T 22	1 43	27 25	4 50	0n18	0 3	15 59	1 1	9 9	1 0	17 35	1 34	20 43	1 5	17 13	0 13	17 19	0 57	26 2	2 20	2 34	2 48	27 48			n.a.
F 23	1 20	28 48	5 10	1 19	0n 8	15 39	1 4	8 51	1 0	17 36	1 34	20 42	1 5	17 12	0 13	17 19	0 57	26 2	2 20	2 34	2 47	27 49			n.a.
S 24	0 57	28 51	5 16	2 20	0 19	15 18	1 6	8 34	1 0	17 37	1 34	20 40	1 5	17 12	0 13	17 18	0 57	26 2	2 20	2 34	2 46	27 50			n.a.
S 25	0 33	27 33	5 9	3 20	0 30	14 56	1 8	8 16	0 59	17 38	1 34	20 39	1 6	17 12	0 13	17 18	0 57	26 2	2 20	2 33	2 45	27 51			n.a.
M26	0 10	24 55	4 48	4 20	0 41	14 34	1 11	7 58	0 59	17 39	1 33	20 38	1 6	17 11	0 13	17 17	0 57	26 3	2 20	2 33	2 43	27 53			n.a.
T 27	0n14	21 4	4 13	5 19	0 52	14 12	1 13	7 40	0 59	17 41	1 33	20 37	1 6	17 11	0 13	17 17	0 57	26 3	2 20	2 33	2 42	27 54			n.a.
W28	0 37	16 10	3 25	6 17	1 2	13 49	1 15	7 22	0 58	17 42	1 33	20 36	1 6	17 11	0 13	17 16	0 57	26 3	2 20	2 33	2 41	27 55			n.a.
T 29	1 1	10 24	2 24	7 13	1 13	13 26	1 17	7 4	0 58	17 42	1 33	20 35	1 6	17 10	0 13	17 16	0 57	26 3	2 21	2 32	2 40	27 55			n.a.
F 30	1 24	4 2	1 14	8 8	1 23	13 2	1 19	6 47	0 58	17 43	1 33	20 34	1 6	17 10	0 13	17 15	0 57	26 3	2 21	2 32	2 38	27 56			n.a.
S 31	1n47	2n40	0n 1	9n 1	1n32	12s38	1s21	6s29	0s57	17n44	1n33	20s33	1s 6	17s 9	0n13	17s15	0s57	26s 3	2s21	2n32	2n37	27s57			n.a.

Julian Day Number = 1556389.5, Delta T = 04h27m15s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'45, Lahiri = -10°11'45 Julian Calendar 1 March 452 BCE == Greg. Calendar 24 Feb. 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

APRIL 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 14 53	5♈24'37	20♈37	21♈ 2	1♓51	16♓45	15°R54	4♒13	17°R48	15♒45	26♐38	6♈19	6♈27	17♐17	n.a.	S 1
M 2	12 18 50	6°22'37	4♉53	22°50	3° 3	17°30	15♏51	4°17	17♏47	15°47	26°38	6°R19	6°24	17°24	n.a.	M 2
T 3	12 22 46	7°20'35	19°16	24°35	4°14	18°15	15°48	4°22	17°45	15°48	26°R38	6°19	6°21	17°31	n.a.	T 3
W 4	12 26 43	8°18'31	3♊42	26°17	5°26	19° 0	15°46	4°27	17°43	15°50	26°38	6°19	6°18	17°37	n.a.	W 4
T 5	12 30 40	9°16'26	18° 6	27°55	6°37	19°44	15°43	4°31	17°42	15°51	26°38	6°18	6°15	17°44	n.a.	T 5
F 6	12 34 36	10°14'18	2♋25	29°29	7°49	20°29	15°41	4°36	17°40	15°53	26°38	6°18	6°11	17°51	n.a.	F 6
S 7	12 38 33	11°12'09	16°35	1♌ 0	9° 1	21°14	15°39	4°40	17°38	15°54	26°38	6°D18	6° 8	17°57	n.a.	S 7
S 8	12 42 29	12° 9'58	0♎34	2°27	10°13	21°58	15°37	4°44	17°36	15°56	26°38	6°18	6° 5	18° 4	n.a.	S 8
M 9	12 46 26	13° 7'44	14°21	3°51	11°24	22°43	15°36	4°48	17°34	15°57	26°37	6°19	6° 2	18°11	n.a.	M 9
T 10	12 50 22	14° 5'29	27°56	5°10	12°36	23°28	15°34	4°52	17°33	15°59	26°37	6°19	5°59	18°18	n.a.	T 10
W11	12 54 19	15° 3'12	11♍17	6°25	13°48	24°12	15°33	4°56	17°31	16° 0	26°37	6°20	5°56	18°24	n.a.	W11
T 12	12 58 15	16° 0'54	24°25	7°37	15° 0	24°57	15°32	5° 0	17°29	16° 1	26°37	6°21	5°52	18°31	n.a.	T 12
F 13	13 2 12	16°58'34	7♎19	8°44	16°11	25°41	15°31	5° 4	17°27	16° 3	26°37	6°R21	5°49	18°38	n.a.	F 13
S 14	13 6 9	17°56'12	20° 0	9°47	17°23	26°25	15°30	5° 8	17°25	16° 4	26°36	6°21	5°46	18°44	n.a.	S 14
S 15	13 10 5	18°53'49	2♏29	10°46	18°35	27°10	15°30	5°12	17°23	16° 5	26°36	6°20	5°43	18°51	n.a.	S 15
M16	13 14 2	19°51'25	14°45	11°41	19°47	27°54	15°29	5°15	17°21	16° 6	26°36	6°18	5°40	18°58	n.a.	M16
T 17	13 17 58	20°48'59	26°52	12°32	20°59	28°38	15°29	5°19	17°19	16° 8	26°35	6°16	5°36	19° 5	n.a.	T 17
W18	13 21 55	21°46'32	8♐51	13°18	22°11	29°22	15°D29	5°22	17°16	16° 9	26°35	6°14	5°33	19°11	n.a.	W18
T 19	13 25 51	22°44'04	20°46	13°59	23°23	0♑ 6	15°29	5°25	17°14	16°10	26°34	6°12	5°30	19°18	n.a.	T 19
F 20	13 29 48	23°41'36	2♑38	14°36	24°35	0°50	15°30	5°29	17°12	16°11	26°34	6°10	5°27	19°25	n.a.	F 20
S 21	13 33 44	24°39'06	14°33	15° 9	25°47	1°34	15°30	5°32	17°10	16°12	26°33	6° 9	5°24	19°31	n.a.	S 21
S 22	13 37 41	25°36'35	26°35	15°37	26°59	2°18	15°31	5°35	17° 8	16°13	26°33	6°D 8	5°21	19°38	n.a.	S 22
M23	13 41 38	26°34'03	8♒49	16° 0	28°11	3° 2	15°32	5°38	17° 5	16°14	26°32	6° 9	5°17	19°45	n.a.	M23
T 24	13 45 34	27°31'30	21°18	16°18	29°23	3°46	15°33	5°41	17° 3	16°15	26°32	6°10	5°14	19°52	n.a.	T 24
W25	13 49 31	28°28'57	4♓ 7	16°32	0♈35	4°30	15°34	5°44	17° 1	16°16	26°31	6°11	5°11	19°58	n.a.	W25
T 26	13 53 27	29°26'22	17°19	16°41	1°48	5°13	15°36	5°46	16°59	16°17	26°31	6°13	5° 8	20° 5	n.a.	T 26
F 27	13 57 24	0♉23'46	0♈56	16°R45	3° 0	5°57	15°37	5°49	16°56	16°18	26°30	6°R14	5° 5	20°12	n.a.	F 27
S 28	14 1 20	1°21'10	14°57	16°45	4°12	6°41	15°39	5°52	16°54	16°19	26°29	6°14	5° 2	20°18	n.a.	S 28
S 29	14 5 17	2°18'33	29°20	16°41	5°24	7°24	15°41	5°54	16°52	16°20	26°29	6°12	4°58	20°25	n.a.	S 29
M30	14 9 13	3♉15'55	14♉ 0	16♉32	6♈36	8♈ 8	15♏43	5♒56	16♏49	16♒21	26♐28	6♈10	4♈55	20♐32	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n11	9n22	1n18	9n53	1n42	12s14	1s22	6s10	0s57	17n45	1n32	20s32	1s 7	17s 9	0n13	17s14	0s57	26s 4	2s21	2n32	2n36	27s58		n.a.
M 2	2 34	15 42	2 32	10 42	1 50	11 49	1 24	5 52	0 57	17 46	1 32	20 31	1 7	17 8	0 13	17 14	0 57	26 4	2 21	2 32	2 34	27 59		n.a.
T 3	2 57	21 14	3 36	11 29	1 59	11 25	1 26	5 34	0 56	17 46	1 32	20 30	1 7	17 8	0 13	17 13	0 57	26 4	2 21	2 32	2 33	28 0		n.a.
W 4	3 20	25 32	4 27	12 13	2 6	10 59	1 27	5 16	0 56	17 47	1 32	20 29	1 7	17 7	0 13	17 13	0 58	26 4	2 22	2 32	2 32	28 1		n.a.
T 5	3 43	28 12	5 1	12 56	2 13	10 34	1 29	4 58	0 56	17 47	1 32	20 28	1 7	17 7	0 13	17 12	0 58	26 4	2 22	2 32	2 31	28 2		n.a.
F 6	4 6	29 0	5 16	13 36	2 19	10 8	1 30	4 40	0 55	17 48	1 32	20 27	1 8	17 6	0 13	17 12	0 58	26 4	2 22	2 32	2 29	28 3		n.a.
S 7	4 29	27 52	5 12	14 13	2 24	9 42	1 31	4 22	0 55	17 48	1 31	20 26	1 8	17 6	0 13	17 12	0 58	26 5	2 22	2 32	2 28	28 4		n.a.
S 8	4 52	24 59	4 49	14 48	2 29	9 16	1 32	4 4	0 55	17 49	1 31	20 26	1 8	17 5	0 13	17 11	0 58	26 5	2 22	2 32	2 27	28 5		n.a.
M 9	5 15	20 43	4 10	15 21	2 33	8 49	1 34	3 45	0 54	17 49	1 31	20 25	1 8	17 5	0 13	17 11	0 58	26 5	2 22	2 32	2 26	28 6		n.a.
T 10	5 38	15 25	3 17	15 51	2 36	8 22	1 35	3 27	0 54	17 49	1 31	20 24	1 8	17 4	0 13	17 10	0 58	26 5	2 23	2 33	2 24	28 7		n.a.
W11	6 0	9 30	2 14	16 19	2 38	7 55	1 36	3 9	0 54	17 49	1 31	20 23	1 8	17 4	0 13	17 10	0 58	26 5	2 23	2 33	2 23	28 8		n.a.
T 12	6 23	3 15	1 6	16 44	2 39	7 28	1 37	2 51	0 53	17 50	1 30	20 22	1 9	17 3	0 13	17 10	0 58	26 5	2 23	2 33	2 22	28 8		n.a.
F 13	6 45	3s 1	0s 5	17 6	2 39	7 1	1 37	2 33	0 53	17 50	1 30	20 22	1 9	17 3	0 13	17 9	0 58	26 5	2 23	2 33	2 20	28 9		n.a.
S 14	7 8	9 4	1 15	17 26	2 39	6 33	1 38	2 14	0 52	17 50	1 30	20 21	1 9	17 2	0 13	17 9	0 58	26 6	2 23	2 33	2 19	28 10		n.a.
S 15	7 30	14 40	2 19	17 44	2 37	6 5	1 39	1 56	0 52	17 50	1 30	20 20	1 9	17 2	0 13	17 9	0 58	26 6	2 23	2 33	2 18	28 11		n.a.
M16	7 52	19 36	3 17	17 59	2 34	5 37	1 39	1 38	0 52	17 49	1 29	20 19	1 9	17 1	0 13	17 8	0 58	26 6	2 23	2 32	2 17	28 12		n.a.
T 17	8 14	23 40	4 4	18 11	2 31	5 9	1 40	1 20	0 51	17 49	1 29	20 19	1 10	17 0	0 13	17 8	0 58	26 6	2 24	2 31	2 15	28 13		n.a.
W18	8 36	26 40	4 40	18 22	2 27	4 40	1 40	1 2	0 51	17 49	1 29	20 18	1 10	17 0	0 13	17 8	0 58	26 6	2 24	2 30	2 14	28 14		n.a.
T 19	8 57	28 29	5 4	18 29	2 21	4 12	1 41	0 44	0 50	17 49	1 29	20 17	1 10	16 59	0 13	17 7	0 58	26 6	2 24	2 29	2 13	28 14		n.a.
F 20	9 19	28 58	5 14	18 34	2 15	3 43	1 41	0 25	0 50	17 49	1 29	20 17	1 10	16 59	0 13	17 7	0 58	26 6	2 24	2 29	2 12	28 15		n.a.
S 21	9 40	28 6	5 12	18 37	2 8	3 14	1 41	0 7	0 49	17 48	1 28	20 16	1 10	16 58	0 13	17 7	0 58	26 7	2 24	2 28	2 10	28 16		n.a.
S 22	10 2	25 56	4 55	18 38	1 59	2 46	1 41	0n11	0 49	17 48	1 28	20 16	1 10	16 57	0 13	17 6	0 58	26 7	2 24	2 28	2 9	28 17		n.a.
M23	10 23	22 33	4 25	18 35	1 50	2 17	1 41	0 29	0 49	17 47	1 28	20 15	1 11	16 57	0 13	17 6	0 58	26 7	2 25	2 28	2 8	28 18		n.a.
T 24	10 44	18 5	3 42	18 31	1 40	1 48	1 41	0 47	0 48	17 47	1 28	20 14	1 11	16 56	0 13	17 6	0 58	26 7	2 25	2 29	2 6	28 18		n.a.
W25	11 4	12 43	2 47	18 24	1 28	1 18	1 41	1 5	0 48	17 46	1 28	20 14	1 11	16 55	0 13	17 6	0 58	26 7	2 25	2 29	2 5	28 19		n.a.
T 26	11 25	6 38	1 42	18 15	1 16	0 49	1 41	1 23	0 47	17 46	1 27	20 13	1 11	16 55	0 13	17 5	0 58	26 7	2 25	2 30	2 4	28 20		n.a.
F 27	11 46	0 4	0 29	18 4	1 3	0 20	1 41	1 41	0 47	17 45	1 27	20 13	1 11	16 54	0 13	17 5	0 58	26 7	2 25	2 30	2 3	28 21		n.a.
S 28	12 6	6n42	0n48	17 51	0 49	0n 9	1 40	1 59	0 46	17 44	1 27	20 13	1 12	16 53	0 13	17 5	0 58	26 8	2 25	2 30	2 1	28 21		n.a.
S 29	12 26	13 18	2 3	17 36	0 35	0 39	1 40	2 17	0 46	17 43	1 27	20 12	1 12	16 53	0 13	17 5	0 59	26 8	2 25	2 30	2 0	28 22		n.a.
M30	12n46	19n18	3n12	17n19	0n20	1n 8	1s40	2n34	0s45	17n42	1n26	20s12	1s12	16s52	0n13	17s 4	0s59	26s 8	2s26	2n29	1n59	28s23		n.a.

Julian Day Number = 1556420.5, Delta T = 04h27m14s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'41, Lahiri = -10°11'41 Julian Calendar 1 Apr. 452 BCE == Greg. Calendar 27 March 452 BCE

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

MAY 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 13 10	4♉13'15	28♉50	16°R18	7♈49	8♈51	15♌45	5♒59	16°R47	16♒22	26°R27	6°R 6	4♈52	20♐39	n.a.	T 1
W 2	14 17 7	5°10'35	13♊42	16♉ 1	9° 1	9°34	15°48	6° 1	16♏45	16°22	26♐27	6♈ 2	4°49	20°45	n.a.	W 2
T 3	14 21 3	6° 7'54	28°28	15°41	10°13	10°18	15°51	6° 3	16°42	16°23	26°26	5°58	4°46	20°52	n.a.	T 3
F 4	14 25 0	7° 5'11	13♋ 1	15°17	11°26	11° 1	15°53	6° 5	16°40	16°24	26°25	5°55	4°42	20°59	n.a.	F 4
S 5	14 28 56	8° 2'28	27°18	14°50	12°38	11°44	15°56	6° 7	16°37	16°25	26°24	5°54	4°39	21° 6	n.a.	S 5
S 6	14 32 53	8°59'43	11♌15	14°20	13°50	12°27	16° 0	6° 8	16°35	16°25	26°23	5°D53	4°36	21°12	n.a.	S 6
M 7	14 36 49	9°56'57	24°53	13°49	15° 3	13°10	16° 3	6°10	16°32	16°26	26°22	5°54	4°33	21°19	n.a.	M 7
T 8	14 40 46	10°54'11	8♍11	13°17	16°15	13°53	16° 6	6°12	16°30	16°26	26°22	5°55	4°30	21°26	n.a.	T 8
W 9	14 44 42	11°51'23	21°13	12°43	17°27	14°36	16°10	6°13	16°28	16°27	26°21	5°57	4°27	21°32	n.a.	W 9
T 10	14 48 39	12°48'34	4♎ 1	12° 9	18°40	15°19	16°14	6°14	16°25	16°27	26°20	5°R58	4°23	21°39	n.a.	T 10
F 11	14 52 36	13°45'44	16°35	11°36	19°52	16° 2	16°18	6°16	16°23	16°28	26°19	5°57	4°20	21°46	n.a.	F 11
S 12	14 56 32	14°42'54	28°59	11° 3	21° 5	16°45	16°22	6°17	16°20	16°28	26°18	5°55	4°17	21°53	n.a.	S 12
S 13	15 0 29	15°40'03	11♏14	10°32	22°17	17°27	16°26	6°18	16°18	16°29	26°17	5°51	4°14	21°59	n.a.	S 13
M14	15 4 25	16°37'11	23°21	10° 3	23°30	18°10	16°31	6°19	16°15	16°29	26°16	5°45	4°11	22° 6	n.a.	M14
T 15	15 8 22	17°34'19	5♐21	9°36	24°42	18°52	16°36	6°20	16°13	16°30	26°15	5°38	4° 7	22°13	n.a.	T 15
W16	15 12 18	18°31'27	17°17	9°13	25°55	19°35	16°40	6°21	16°10	16°30	26°14	5°30	4° 4	22°19	n.a.	W16
T 17	15 16 15	19°28'34	29° 9	8°52	27° 7	20°17	16°45	6°21	16° 8	16°30	26°13	5°22	4° 1	22°26	n.a.	T 17
F 18	15 20 11	20°25'42	11♑ 2	8°35	28°20	21° 0	16°50	6°22	16° 5	16°30	26°12	5°15	3°58	22°33	n.a.	F 18
S 19	15 24 8	21°22'49	22°56	8°23	29°33	21°42	16°56	6°22	16° 3	16°31	26°10	5°10	3°55	22°40	n.a.	S 19
S 20	15 28 5	22°19'55	4♒57	8°14	0♉45	22°25	17° 1	6°23	16° 1	16°31	26° 9	5° 6	3°52	22°46	n.a.	S 20
M21	15 32 1	23°17'02	17° 9	8°D10	1°58	23° 7	17° 7	6°23	15°58	16°31	26° 8	5° 5	3°48	22°53	n.a.	M21
T 22	15 35 58	24°14'09	29°35	8°10	3°11	23°49	17°12	6°23	15°56	16°31	26° 7	5°D 4	3°45	23° 0	n.a.	T 22
W23	15 39 54	25°11'15	12♓20	8°15	4°24	24°31	17°18	6°R23	15°53	16°31	26° 6	5° 5	3°42	23° 6	n.a.	W23
T 24	15 43 51	26° 8'22	25°29	8°25	5°36	25°13	17°24	6°23	15°51	16°31	26° 5	5° 6	3°39	23°13	n.a.	T 24
F 25	15 47 47	27° 5'29	9♈ 5	8°40	6°49	25°55	17°30	6°23	15°48	16°R31	26° 4	5°R 7	3°36	23°20	n.a.	F 25
S 26	15 51 44	28° 2'36	23° 9	8°59	8° 2	26°37	17°36	6°23	15°46	16°31	26° 2	5° 5	3°33	23°27	n.a.	S 26
S 27	15 55 41	28°59'43	7♉40	9°23	9°15	27°19	17°43	6°23	15°44	16°31	26° 1	5° 2	3°29	23°33	n.a.	S 27
M28	15 59 37	29°56'50	22°33	9°52	10°28	28° 1	17°49	6°22	15°41	16°31	26° 0	4°56	3°26	23°40	n.a.	M28
T 29	16 3 34	0♊53'57	7♊40	10°26	11°41	28°43	17°56	6°22	15°39	16°31	25°59	4°49	3°23	23°47	n.a.	T 29
W30	16 7 30	1°51'04	22°52	11° 4	12°53	29°24	18° 3	6°21	15°37	16°31	25°57	4°40	3°20	23°54	n.a.	W30
T 31	16 11 27	2♊48'12	7♋59	11♉47	14♉ 6	0♉ 6	18♌10	6♒21	15♏34	16♒31	25♐56	4♈32	3♈17	24♐ 0	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	13n 6	24n12	4n 9	17n 0	0n 4	1n37	1s39	2n52	0s45	17n42	1n26	20s11	1s12	16s51	0n13	17s 4	0s59	26s 8	2s26	2n27	1n57	28s24			n.a.
W 2	13 25	27 31	4 49	16 39	0s13	2 7	1 38	3 10	0 44	17 41	1 26	20 11	1 12	16 51	0 13	17 4	0 59	26 8	2 26	2 26	1 56	28 24			n.a.
T 3	13 44	28 54	5 10	16 17	0 29	2 36	1 38	3 27	0 44	17 40	1 26	20 11	1 13	16 50	0 13	17 4	0 59	26 8	2 26	2 24	1 55	28 25			n.a.
F 4	14 3	28 15	5 10	15 54	0 46	3 5	1 37	3 45	0 43	17 38	1 26	20 10	1 13	16 49	0 13	17 4	0 59	26 8	2 26	2 23	1 54	28 26			n.a.
S 5	14 22	25 43	4 51	15 29	1 3	3 35	1 36	4 3	0 43	17 37	1 25	20 10	1 13	16 49	0 13	17 3	0 59	26 8	2 26	2 22	1 52	28 26			n.a.
S 6	14 41	21 42	4 15	15 4	1 20	4 4	1 35	4 20	0 42	17 36	1 25	20 10	1 13	16 48	0 13	17 3	0 59	26 9	2 26	2 22	1 51	28 27			n.a.
M 7	14 59	16 37	3 25	14 39	1 37	4 33	1 34	4 38	0 42	17 35	1 25	20 10	1 13	16 47	0 13	17 3	0 59	26 9	2 27	2 22	1 50	28 28			n.a.
T 8	15 18	10 51	2 26	14 13	1 54	5 2	1 33	4 55	0 41	17 34	1 25	20 9	1 14	16 47	0 13	17 3	0 59	26 9	2 27	2 23	1 49	28 28			n.a.
W 9	15 35	4 44	1 19	13 48	2 10	5 31	1 32	5 12	0 41	17 32	1 25	20 9	1 14	16 46	0 13	17 3	0 59	26 9	2 27	2 23	1 47	28 29			n.a.
T 10	15 53	1s27	0 11	13 23	2 25	6 0	1 31	5 29	0 40	17 31	1 24	20 9	1 14	16 45	0 13	17 3	0 59	26 9	2 27	2 24	1 46	28 30			n.a.
F 11	16 11	7 29	0s57	12 59	2 40	6 29	1 30	5 47	0 40	17 30	1 24	20 9	1 14	16 44	0 13	17 3	0 59	26 9	2 27	2 24	1 45	28 30			n.a.
S 12	16 28	13 9	2 2	12 36	2 53	6 58	1 29	6 4	0 39	17 28	1 24	20 9	1 14	16 44	0 13	17 3	0 59	26 9	2 27	2 23	1 43	28 31			n.a.
S 13	16 45	18 14	2 59	12 14	3 6	7 26	1 28	6 21	0 39	17 27	1 24	20 9	1 15	16 43	0 13	17 2	0 59	26 9	2 27	2 21	1 42	28 32			n.a.
M14	17 1	22 32	3 48	11 54	3 18	7 55	1 26	6 38	0 38	17 25	1 24	20 9	1 15	16 42	0 13	17 2	0 59	26 9	2 28	2 19	1 41	28 32			n.a.
T 15	17 18	25 50	4 26	11 36	3 28	8 23	1 25	6 55	0 38	17 23	1 23	20 9	1 15	16 42	0 13	17 2	0 59	26 10	2 28	2 16	1 40	28 33			n.a.
W16	17 34	27 59	4 53	11 19	3 37	8 51	1 23	7 11	0 37	17 22	1 23	20 9	1 15	16 41	0 13	17 2	0 59	26 10	2 28	2 13	1 38	28 33			n.a.
T 17	17 50	28 51	5 6	11 5	3 45	9 19	1 22	7 28	0 36	17 20	1 23	20 9	1 16	16 40	0 13	17 2	0 59	26 10	2 28	2 10	1 37	28 34			n.a.
F 18	18 5	28 22	5 6	10 54	3 52	9 47	1 20	7 45	0 36	17 18	1 23	20 9	1 16	16 39	0 13	17 2	0 59	26 10	2 28	2 7	1 36	28 35			n.a.
S 19	18 21	26 35	4 53	10 45	3 57	10 14	1 19	8 1	0 35	17 16	1 22	20 9	1 16	16 39	0 13	17 2	0 59	26 10	2 28	2 5	1 35	28 35			n.a.
S 20	18 36	23 36	4 27	10 38	4 1	10 41	1 17	8 18	0 35	17 15	1 22	20 9	1 16	16 38	0 13	17 2	0 59	26 10	2 28	2 3	1 33	28 36			n.a.
M21	18 50	19 32	3 49	10 34	4 3	11 8	1 15	8 34	0 34	17 13	1 22	20 9	1 16	16 37	0 13	17 2	0 59	26 10	2 28	2 3	1 32	28 36			n.a.
T 22	19 5	14 34	2 59	10 33	4 5	11 35	1 13	8 50	0 34	17 11	1 22	20 9	1 17	16 37	0 13	17 2	1 0	26 10	2 29	2 2	1 31	28 37			n.a.
W23	19 19	8 51	1 59	10 35	4 5	12 2	1 11	9 7	0 33	17 9	1 22	20 9	1 17	16 36	0 13	17 2	1 0	26 10	2 29	2 3	1 29	28 37			n.a.
T 24	19 32	2 36	0 52	10 39	4 4	12 28	1 10	9 23	0 32	17 7	1 21	20 10	1 17	16 35	0 13	17 2	1 0	26 10	2 29	2 3	1 28	28 38			n.a.
F 25	19 46	3n58	0n21	10 45	4 2	12 54	1 8	9 39	0 32	17 5	1 21	20 10	1 17	16 35	0 13	17 2	1 0	26 10	2 29	2 3	1 27	28 38			n.a.
S 26	19 59	10 35	1 35	10 54	3 59	13 20	1 6	9 55	0 31	17 3	1 21	20 10	1 17	16 34	0 13	17 2	1 0	26 11	2 29	2 3	1 26	28 39			n.a.
S 27	20 12	16 51	2 45	11 6	3 55	13 45	1 4	10 11	0 31	17 0	1 21	20 10	1 18	16 33	0 13	17 2	1 0	26 11	2 29	2 1	1 24	28 39			n.a.
M28	20 24	22 17	3 46	11 20	3 50	14 11	1 2	10 26	0 30	16 58	1 21	20 11	1 18	16 33	0 13	17 2	1 0	26 11	2 29	1 59	1 23	28 40			n.a.
T 29	20 36	26 20	4 31	11 36	3 44	14 35	1 0	10 42	0 30	16 56	1 21	20 11	1 18	16 32	0 13	17 2	1 0	26 11	2 29	1 56	1 22	28 40			n.a.
W30	20 48	28 31	4 58	11 55	3 37	15 0	0 58	10 57	0 29	16 54	1 20	20 11	1 18	16 31	0 13	17 3	1 0	26 11	2 30	1 53	1 20	28 41			n.a.
T 31	21n 0	28n34	5n 4	12n15	3s29	15n24	0s55	11n13	0s28	16n51	1n20	20s12	1s18	16s31	0n13	17s 3	1s 0	26s11	2s30	1n50	1n19	28s41			n.a.

Julian Day Number = 1556450.5, Delta T = 04h27m12s
Ecliptic obliquity = 23°45'09, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'37, Lahiri = -10°11'37 Julian Calendar 1 May 452 BCE == Greg. Calendar 26 Apr. 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

JUNE 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 15 23	3♊45'18	22♋49	12♉34	15♉19	0♉47	18♌17	6°R20	15°R32	16°R31	25°R55	4°R25	3♈13	24♐ 7	n.a.	F 1
S 2	16 19 20	4°42'25	7♌18	13°26	16°32	1°29	18°24	6♒19	15♏30	16♒30	25♐53	4♈20	3°10	24°14	n.a.	S 2
S 3	16 23 16	5°39'32	21°22	14°23	17°45	2°10	18°31	6°18	15°27	16°30	25°52	4°17	3° 7	24°20	n.a.	S 3
M 4	16 27 13	6°36'38	5♍ 0	15°23	18°58	2°52	18°39	6°17	15°25	16°30	25°51	4°D17	3° 4	24°27	n.a.	M 4
T 5	16 31 10	7°33'44	18°13	16°29	20°11	3°33	18°46	6°16	15°23	16°30	25°49	4°17	3° 1	24°34	n.a.	T 5
W 6	16 35 6	8°30'51	1♎ 5	17°38	21°24	4°14	18°54	6°14	15°21	16°29	25°48	4°R17	2°58	24°41	n.a.	W 6
T 7	16 39 3	9°27'57	13°41	18°52	22°38	4°56	19° 2	6°13	15°19	16°29	25°47	4°17	2°54	24°47	n.a.	T 7
F 8	16 42 59	10°25'03	26° 2	20°10	23°51	5°37	19°10	6°11	15°16	16°28	25°45	4°15	2°51	24°54	n.a.	F 8
S 9	16 46 56	11°22'09	8♏13	21°31	25° 4	6°18	19°18	6°10	15°14	16°28	25°44	4°10	2°48	25° 1	n.a.	S 9
S 10	16 50 52	12°19'16	20°17	22°57	26°17	6°59	19°26	6° 8	15°12	16°27	25°43	4° 3	2°45	25° 8	n.a.	S 10
M11	16 54 49	13°16'23	2♐16	24°27	27°30	7°40	19°34	6° 6	15°10	16°27	25°41	3°53	2°42	25°14	n.a.	M11
T 12	16 58 46	14°13'31	14°11	26° 1	28°43	8°21	19°43	6° 4	15° 8	16°26	25°40	3°42	2°39	25°21	n.a.	T 12
W13	17 2 42	15°10'39	26° 4	27°39	29°57	9° 1	19°51	6° 2	15° 6	16°26	25°39	3°29	2°35	25°28	n.a.	W13
T 14	17 6 39	16° 7'47	7♑56	29°20	1♊10	9°42	20° 0	6° 0	15° 4	16°25	25°37	3°16	2°32	25°34	n.a.	T 14
F 15	17 10 35	17° 4'56	19°50	1♊ 4	2°23	10°23	20° 9	5°58	15° 2	16°25	25°36	3° 5	2°29	25°41	n.a.	F 15
S 16	17 14 32	18° 2'06	1♒47	2°52	3°37	11° 4	20°18	5°56	15° 0	16°24	25°34	2°55	2°26	25°48	n.a.	S 16
S 17	17 18 28	18°59'17	13°49	4°43	4°50	11°44	20°27	5°54	14°58	16°23	25°33	2°48	2°23	25°55	n.a.	S 17
M18	17 22 25	19°56'28	26° 1	6°37	6° 3	12°25	20°36	5°51	14°56	16°23	25°31	2°43	2°19	26° 1	n.a.	M18
T 19	17 26 21	20°53'40	8♓26	8°34	7°17	13° 5	20°45	5°49	14°55	16°22	25°30	2°41	2°16	26° 8	n.a.	T 19
W20	17 30 18	21°50'53	21° 8	10°32	8°30	13°46	20°54	5°46	14°53	16°21	25°29	2°D41	2°13	26°15	n.a.	W20
T 21	17 34 15	22°48'08	4♈12	12°33	9°44	14°26	21° 3	5°44	14°51	16°20	25°27	2°R41	2°10	26°21	n.a.	T 21
F 22	17 38 11	23°45'23	17°42	14°36	10°57	15° 6	21°13	5°41	14°49	16°19	25°26	2°40	2° 7	26°28	n.a.	F 22
S 23	17 42 8	24°42'39	1♉40	16°40	12°11	15°46	21°22	5°38	14°48	16°19	25°24	2°38	2° 4	26°35	n.a.	S 23
S 24	17 46 4	25°39'57	16° 6	18°45	13°24	16°27	21°32	5°35	14°46	16°18	25°23	2°33	2° 0	26°42	n.a.	S 24
M25	17 50 1	26°37'15	0♊57	20°50	14°38	17° 7	21°42	5°32	14°44	16°17	25°22	2°26	1°57	26°48	n.a.	M25
T 26	17 53 57	27°34'35	16° 8	22°57	15°52	17°47	21°52	5°29	14°43	16°16	25°20	2°17	1°54	26°55	n.a.	T 26
W27	17 57 54	28°31'56	1♋27	25° 3	17° 5	18°27	22° 2	5°26	14°41	16°15	25°19	2° 6	1°51	27° 2	n.a.	W27
T 28	18 1 50	29°29'17	16°43	27° 9	18°19	19° 7	22°12	5°23	14°40	16°14	25°17	1°55	1°48	27° 9	n.a.	T 28
F 29	18 5 47	0♋26'40	1♌46	29°15	19°33	19°46	22°22	5°20	14°38	16°13	25°16	1°46	1°45	27°15	n.a.	F 29
S 30	18 9 44	1♋24'03	16♌26	1♋20	20♊46	20♉26	22♌32	5♒16	14♏37	16♒12	25♐14	1♈39	1♈41	27♐22	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n11	26n32	4n49	12n37	3s21	15n48	0s53	11n28	0s28	16n49	1n20	20s12	1s19	16s30	0n13	17s 3	1s 0	26s11	2s30	1n47	1n18	28s42		n.a.
S 2	21 21	22 48	4 16	13 2	3 12	16 11	0 51	11 43	0 27	16 46	1 20	20 13	1 19	16 29	0 13	17 3	1 0	26 11	2 30	1 45	1 17	28 42		n.a.
S 3	21 32	17 50	3 28	13 28	3 2	16 34	0 49	11 58	0 26	16 44	1 20	20 13	1 19	16 29	0 13	17 3	1 0	26 11	2 30	1 44	1 15	28 43		n.a.
M 4	21 42	12 7	2 30	13 55	2 52	16 57	0 47	12 13	0 26	16 41	1 19	20 14	1 19	16 28	0 13	17 3	1 0	26 11	2 30	1 43	1 14	28 43		n.a.
T 5	21 51	6 1	1 25	14 24	2 42	17 19	0 44	12 28	0 25	16 39	1 19	20 14	1 19	16 27	0 13	17 3	1 0	26 11	2 30	1 43	1 13	28 43		n.a.
W 6	22 1	0s11	0 17	14 54	2 31	17 40	0 42	12 43	0 25	16 36	1 19	20 15	1 20	16 27	0 13	17 3	1 0	26 11	2 30	1 44	1 12	28 44		n.a.
T 7	22 10	6 14	0s50	15 26	2 19	18 2	0 40	12 57	0 24	16 34	1 19	20 15	1 20	16 26	0 13	17 4	1 0	26 11	2 31	1 43	1 10	28 44		n.a.
F 8	22 18	11 56	1 53	15 58	2 7	18 23	0 37	13 12	0 23	16 31	1 19	20 16	1 20	16 25	0 13	17 4	1 0	26 12	2 31	1 43	1 9	28 45		n.a.
S 9	22 26	17 6	2 50	16 32	1 55	18 43	0 35	13 26	0 23	16 28	1 19	20 16	1 20	16 25	0 13	17 4	1 0	26 12	2 31	1 41	1 8	28 45		n.a.
S 10	22 34	21 33	3 38	17 6	1 43	19 3	0 33	13 40	0 22	16 25	1 18	20 17	1 20	16 24	0 13	17 4	1 0	26 12	2 31	1 38	1 6	28 45		n.a.
M11	22 41	25 5	4 17	17 40	1 30	19 22	0 30	13 55	0 21	16 23	1 18	20 18	1 21	16 24	0 13	17 4	1 0	26 12	2 31	1 34	1 5	28 46		n.a.
T 12	22 48	27 30	4 44	18 15	1 18	19 41	0 28	14 9	0 21	16 20	1 18	20 18	1 21	16 23	0 13	17 4	1 0	26 12	2 31	1 29	1 4	28 46		n.a.
W13	22 55	28 40	4 58	18 50	1 5	19 59	0 25	14 22	0 20	16 17	1 18	20 19	1 21	16 22	0 13	17 5	1 0	26 12	2 31	1 24	1 3	28 47		n.a.
T 14	23 1	28 30	5 0	19 25	0 52	20 17	0 23	14 36	0 19	16 14	1 18	20 20	1 21	16 22	0 13	17 5	1 1	26 12	2 31	1 19	1 1	28 47		n.a.
F 15	23 7	27 1	4 48	20 0	0 40	20 35	0 20	14 50	0 19	16 11	1 18	20 20	1 21	16 21	0 13	17 5	1 1	26 12	2 31	1 14	1 0	28 47		n.a.
S 16	23 12	24 18	4 24	20 34	0 27	20 51	0 18	15 3	0 18	16 8	1 17	20 21	1 22	16 21	0 13	17 5	1 1	26 12	2 31	1 10	0 59	28 48		n.a.
S 17	23 17	20 31	3 48	21 7	0 15	21 7	0 16	15 17	0 17	16 5	1 17	20 22	1 22	16 20	0 13	17 6	1 1	26 12	2 32	1 8	0 57	28 48		n.a.
M18	23 22	15 50	3 1	21 39	0 3	21 23	0 13	15 30	0 17	16 2	1 17	20 23	1 22	16 20	0 13	17 6	1 1	26 12	2 32	1 6	0 56	28 48		n.a.
T 19	23 26	10 26	2 5	22 10	0n 9	21 38	0 11	15 43	0 16	15 59	1 17	20 23	1 22	16 19	0 13	17 6	1 1	26 12	2 32	1 5	0 55	28 49		n.a.
W20	23 30	4 29	1 1	22 39	0 20	21 53	0 8	15 56	0 15	15 56	1 17	20 24	1 22	16 19	0 13	17 6	1 1	26 12	2 32	1 5	0 54	28 49		n.a.
T 21	23 33	1n49	0n 8	23 6	0 30	22 6	0 6	16 9	0 15	15 53	1 17	20 25	1 23	16 18	0 13	17 7	1 1	26 12	2 32	1 5	0 52	28 49		n.a.
F 22	23 36	8 14	1 19	23 31	0 41	22 20	0 3	16 21	0 14	15 49	1 17	20 26	1 23	16 18	0 13	17 7	1 1	26 12	2 32	1 5	0 51	28 49		n.a.
S 23	23 39	14 30	2 27	23 54	0 50	22 32	0 1	16 34	0 13	15 46	1 16	20 27	1 23	16 17	0 13	17 7	1 1	26 12	2 32	1 4	0 50	28 50		n.a.
S 24	23 41	20 11	3 28	24 15	0 59	22 44	0n 2	16 46	0 13	15 43	1 16	20 28	1 23	16 17	0 13	17 8	1 1	26 12	2 32	1 2	0 48	28 50		n.a.
M25	23 43	24 48	4 17	24 33	1 7	22 55	0 4	16 58	0 12	15 39	1 16	20 29	1 23	16 16	0 13	17 8	1 1	26 12	2 32	0 59	0 47	28 50		n.a.
T 26	23 44	27 48	4 48	24 48	1 15	23 6	0 7	17 10	0 11	15 36	1 16	20 30	1 24	16 16	0 13	17 8	1 1	26 12	2 32	0 55	0 46	28 50		n.a.
W27	23 45	28 45	5 0	25 1	1 21	23 16	0 9	17 22	0 11	15 33	1 16	20 31	1 24	16 15	0 13	17 9	1 1	26 12	2 32	0 51	0 45	28 51		n.a.
T 28	23 45	27 29	4 50	25 10	1 27	23 25	0 11	17 34	0 10	15 29	1 16	20 32	1 24	16 15	0 13	17 9	1 1	26 12	2 33	0 46	0 43	28 51		n.a.
F 29	23 45	24 15	4 20	25 17	1 32	23 34	0 14	17 46	0 9	15 26	1 16	20 33	1 24	16 14	0 13	17 9	1 1	26 13	2 33	0 43	0 42	28 51		n.a.
S 30	23n45	19n31	3n34	25n22	1n37	23n42	0n16	17n57	0s 9	15n22	1n16	20s34	1s24	16s14	0n13	17s10	1s 1	26s13	2s33	0n40	0n41	28s51		n.a.

Julian Day Number = 1556481.5, Delta T = 04h27m11s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'33, Lahiri = -10°11'32 Julian Calendar 1 June 452 BCE == Greg. Calendar 27 May 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

JULY 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 13 40	2♋21'27	0♍39	3♋25	22♊ 0	21♉ 6	22♌42	5°R13	14°R35	16°R11	25°R13	1°R34	1♈38	27♐29	n.a.	S 1
M 2	18 17 37	3°18'52	14°23	5°28	23°14	21°45	22°53	5♒ 9	14♏34	16♒10	25♐12	1♈32	1°35	27°35	n.a.	M 2
T 3	18 21 33	4°16'18	27°38	7°31	24°28	22°25	23° 3	5° 6	14°33	16° 9	25°10	1°32	1°32	27°42	n.a.	T 3
W 4	18 25 30	5°13'44	10♎30	9°32	25°42	23° 5	23°14	5° 2	14°31	16° 7	25° 9	1°32	1°29	27°49	n.a.	W 4
T 5	18 29 26	6°11'11	23° 1	11°32	26°55	23°44	23°24	4°58	14°30	16° 6	25° 7	1°31	1°25	27°56	n.a.	T 5
F 6	18 33 23	7° 8'40	5♏17	13°30	28° 9	24°23	23°35	4°55	14°29	16° 5	25° 6	1°28	1°22	28° 2	n.a.	F 6
S 7	18 37 20	8° 6'09	17°22	15°28	29°23	25° 3	23°46	4°51	14°28	16° 4	25° 5	1°23	1°19	28° 9	n.a.	S 7
S 8	18 41 16	9° 3'39	29°20	17°23	0♋37	25°42	23°57	4°47	14°27	16° 3	25° 3	1°16	1°16	28°16	n.a.	S 8
M 9	18 45 13	10° 1'11	11♐14	19°18	1°51	26°21	24° 8	4°43	14°26	16° 1	25° 2	1° 5	1°13	28°23	n.a.	M 9
T 10	18 49 9	10°58'43	23° 6	21°11	3° 5	27° 0	24°19	4°39	14°25	16° 0	25° 0	0°53	1°10	28°29	n.a.	T 10
W11	18 53 6	11°56'17	4♑59	23° 2	4°19	27°39	24°30	4°35	14°24	15°59	24°59	0°40	1° 6	28°36	n.a.	W11
T 12	18 57 2	12°53'53	16°54	24°52	5°33	28°18	24°41	4°31	14°23	15°58	24°58	0°26	1° 3	28°43	n.a.	T 12
F 13	19 0 59	13°51'29	28°52	26°41	6°47	28°57	24°52	4°27	14°22	15°56	24°56	0°14	1° 0	28°49	n.a.	F 13
S 14	19 4 55	14°49'08	10♒55	28°27	8° 1	29°36	25° 3	4°23	14°21	15°55	24°55	0° 3	0°57	28°56	n.a.	S 14
S 15	19 8 52	15°46'47	23° 5	0♌13	9°15	0♊15	25°15	4°19	14°20	15°54	24°54	29♓56	0°54	29° 3	n.a.	S 15
M16	19 12 49	16°44'28	5♓23	1°57	10°30	0°53	25°26	4°14	14°20	15°52	24°52	29°51	0°51	29°10	n.a.	M16
T 17	19 16 45	17°42'11	17°53	3°40	11°44	1°32	25°37	4°10	14°19	15°51	24°51	29°48	0°47	29°16	n.a.	T 17
W18	19 20 42	18°39'56	0♈37	5°21	12°58	2°11	25°49	4° 6	14°18	15°49	24°50	29°D48	0°44	29°23	n.a.	W18
T 19	19 24 38	19°37'42	13°40	7° 1	14°12	2°49	26° 1	4° 1	14°18	15°48	24°49	29°R48	0°41	29°30	n.a.	T 19
F 20	19 28 35	20°35'31	27° 5	8°39	15°26	3°27	26°12	3°57	14°17	15°46	24°47	29°48	0°38	29°37	n.a.	F 20
S 21	19 32 31	21°33'21	10♉54	10°16	16°41	4° 6	26°24	3°53	14°17	15°45	24°46	29°47	0°35	29°43	n.a.	S 21
S 22	19 36 28	22°31'13	25° 9	11°52	17°55	4°44	26°36	3°48	14°16	15°44	24°45	29°43	0°31	29°50	n.a.	S 22
M23	19 40 24	23°29'07	9♊48	13°26	19° 9	5°22	26°48	3°44	14°16	15°42	24°44	29°37	0°28	29°57	n.a.	M23
T 24	19 44 21	24°27'03	24°46	14°59	20°24	6° 0	27° 0	3°39	14°16	15°41	24°42	29°29	0°25	0♑ 3	n.a.	T 24
W25	19 48 18	25°25'01	9♋55	16°31	21°38	6°39	27°11	3°35	14°16	15°39	24°41	29°20	0°22	0°10	n.a.	W25
T 26	19 52 14	26°23'01	25° 6	18° 1	22°53	7°17	27°23	3°30	14°15	15°37	24°40	29°10	0°19	0°17	n.a.	T 26
F 27	19 56 11	27°21'03	10♌ 7	19°30	24° 7	7°55	27°36	3°25	14°15	15°36	24°39	29° 2	0°16	0°24	n.a.	F 27
S 28	20 0 7	28°19'06	24°50	20°57	25°22	8°32	27°48	3°21	14°15	15°34	24°38	28°56	0°12	0°30	n.a.	S 28
S 29	20 4 4	29°17'10	9♍ 8	22°23	26°36	9°10	28° 0	3°16	14°15	15°33	24°37	28°52	0° 9	0°37	n.a.	S 29
M30	20 8 0	0♌15'16	22°57	23°47	27°51	9°48	28°12	3°12	14°D15	15°31	24°36	28°D50	0° 6	0°44	n.a.	M30
T 31	20 11 57	1♌13'24	6♎19	25♌10	29♋ 5	10♊25	28♌24	3♒ 7	14♏15	15♒30	24♐35	28♓50	0♈ 3	0♑51	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23n44	13n48	2n35	25n23	1n41	23n49	0n19	18n 8	0s 8	15n19	1n15	20s35	1s24	16s14	0n13	17s10	1s 1	26s13	2s33	0n38	0n40	28s52			n.a.
M 2	23 43	7 36	1 29	25 22	1 44	23 55	0 21	18 20	0 7	15 15	1 15	20 36	1 25	16 13	0 13	17 10	1 1	26 13	2 33	0 37	0 38	28 52			n.a.
T 3	23 41	1 16	0 21	25 18	1 46	24 1	0 23	18 31	0 6	15 12	1 15	20 37	1 25	16 13	0 13	17 11	1 1	26 13	2 33	0 37	0 37	28 52			n.a.
W 4	23 39	4s56	0s47	25 11	1 47	24 6	0 25	18 41	0 6	15 8	1 15	20 38	1 25	16 12	0 13	17 11	1 1	26 13	2 33	0 37	0 36	28 52			n.a.
T 5	23 36	10 47	1 51	25 3	1 48	24 11	0 28	18 52	0 5	15 4	1 15	20 39	1 25	16 12	0 12	17 11	1 1	26 13	2 33	0 37	0 34	28 52			n.a.
F 6	23 33	16 5	2 48	24 52	1 49	24 14	0 30	19 3	0 4	15 1	1 15	20 40	1 25	16 12	0 12	17 12	1 1	26 13	2 33	0 36	0 33	28 52			n.a.
S 7	23 30	20 42	3 37	24 38	1 48	24 17	0 32	19 13	0 4	14 57	1 15	20 41	1 25	16 11	0 12	17 12	1 1	26 13	2 33	0 34	0 32	28 53			n.a.
S 8	23 26	24 25	4 15	24 23	1 47	24 19	0 34	19 23	0 3	14 53	1 15	20 42	1 26	16 11	0 12	17 13	1 1	26 13	2 33	0 30	0 31	28 53			n.a.
M 9	23 22	27 4	4 42	24 5	1 46	24 21	0 37	19 33	0 2	14 49	1 14	20 43	1 26	16 11	0 12	17 13	1 1	26 13	2 33	0 26	0 29	28 53			n.a.
T 10	23 17	28 31	4 57	23 46	1 44	24 22	0 39	19 43	0 1	14 45	1 14	20 44	1 26	16 11	0 12	17 13	1 1	26 13	2 33	0 21	0 28	28 53			n.a.
W11	23 12	28 38	4 59	23 25	1 41	24 22	0 41	19 53	0 1	14 42	1 14	20 45	1 26	16 10	0 12	17 14	1 2	26 13	2 34	0 16	0 27	28 53			n.a.
T 12	23 7	27 25	4 48	23 3	1 38	24 21	0 43	20 3	0n 0	14 38	1 14	20 46	1 26	16 10	0 12	17 14	1 2	26 13	2 34	0 11	0 25	28 53			n.a.
F 13	23 1	24 57	4 24	22 39	1 35	24 19	0 45	20 12	0 1	14 34	1 14	20 48	1 26	16 10	0 12	17 15	1 2	26 13	2 34	0 6	0 24	28 53			n.a.
S 14	22 55	21 22	3 48	22 13	1 31	24 17	0 47	20 21	0 2	14 30	1 14	20 49	1 26	16 10	0 12	17 15	1 2	26 13	2 34	0 1	0 23	28 53			n.a.
S 15	22 48	16 51	3 1	21 47	1 27	24 14	0 49	20 30	0 2	14 26	1 14	20 50	1 27	16 9	0 12	17 16	1 2	26 13	2 34	0s 2	0 22	28 53			n.a.
M16	22 41	11 36	2 6	21 19	1 22	24 10	0 51	20 39	0 3	14 22	1 14	20 51	1 27	16 9	0 12	17 16	1 2	26 13	2 34	0 4	0 20	28 54			n.a.
T 17	22 34	5 49	1 3	20 50	1 17	24 6	0 53	20 48	0 4	14 18	1 14	20 52	1 27	16 9	0 12	17 16	1 2	26 13	2 34	0 5	0 19	28 54			n.a.
W18	22 26	0n19	0n 4	20 20	1 11	24 1	0 54	20 57	0 5	14 14	1 14	20 53	1 27	16 9	0 12	17 17	1 2	26 13	2 34	0 5	0 18	28 54			n.a.
T 19	22 18	6 35	1 13	19 49	1 6	23 55	0 56	21 5	0 5	14 10	1 14	20 55	1 27	16 9	0 12	17 17	1 2	26 13	2 34	0 5	0 17	28 54			n.a.
F 20	22 9	12 44	2 20	19 17	0 59	23 48	0 58	21 13	0 6	14 6	1 13	20 56	1 27	16 8	0 12	17 18	1 2	26 13	2 34	0 5	0 15	28 54			n.a.
S 21	22 0	18 27	3 20	18 45	0 53	23 41	1 0	21 21	0 7	14 2	1 13	20 57	1 27	16 8	0 12	17 18	1 2	26 13	2 34	0 5	0 14	28 54			n.a.
S 22	21 51	23 20	4 10	18 12	0 46	23 33	1 1	21 29	0 8	13 57	1 13	20 58	1 27	16 8	0 12	17 19	1 2	26 13	2 34	0 7	0 13	28 54			n.a.
M23	21 41	26 54	4 45	17 38	0 40	23 24	1 3	21 37	0 9	13 53	1 13	20 59	1 28	16 8	0 12	17 19	1 2	26 13	2 34	0 9	0 11	28 54			n.a.
T 24	21 31	28 41	5 2	17 4	0 32	23 15	1 4	21 45	0 9	13 49	1 13	21 0	1 28	16 8	0 12	17 20	1 2	26 13	2 34	0 12	0 10	28 54			n.a.
W25	21 20	28 19	4 58	16 29	0 25	23 4	1 6	21 52	0 10	13 45	1 13	21 2	1 28	16 8	0 12	17 20	1 2	26 13	2 34	0 16	0 9	28 54			n.a.
T 26	21 9	25 52	4 33	15 54	0 17	22 53	1 7	21 59	0 11	13 41	1 13	21 3	1 28	16 8	0 12	17 21	1 2	26 13	2 34	0 20	0 8	28 54			n.a.
F 27	20 58	21 37	3 49	15 19	0 10	22 42	1 9	22 6	0 12	13 36	1 13	21 4	1 28	16 8	0 12	17 21	1 2	26 13	2 34	0 23	0 6	28 54			n.a.
S 28	20 46	16 6	2 51	14 44	0 2	22 30	1 10	22 13	0 12	13 32	1 13	21 5	1 28	16 8	0 12	17 22	1 2	26 13	2 34	0 26	0 5	28 54			n.a.
S 29	20 34	9 50	1 43	14 8	0s 6	22 17	1 11	22 20	0 13	13 28	1 13	21 6	1 28	16 8	0 12	17 22	1 2	26 13	2 35	0 27	0 4	28 54			n.a.
M30	20 22	3 19	0 31	13 32	0 15	22 3	1 13	22 27	0 14	13 23	1 13	21 8	1 28	16 8	0 12	17 23	1 2	26 13	2 35	0 28	0 2	28 54			n.a.
T 31	20n 9	3s 9	0s40	12n56	0s23	21n49	1n14	22n33	0n15	13n19	1n13	21s 9	1s28	16s 8	0n12	17s23	1s 2	26s13	2s35	0s28	0n 1	28s54			n.a.

Julian Day Number = 1556511.5, Delta T = 04h27m10s
Ecliptic obliquity = 23°45'08, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'29, Lahiri = -10°11'28 Julian Calendar 1 July 452 BCE == Greg. Calendar 26 June 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

AUGUST 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 15 53	2♌11'33	19♎14	26♌32	0♌20	11♊ 3	28♌37	3°R 2	14♏15	15°R28	24°R33	28♓51	29♓59	0♉57	n.a.	W 1
T 2	20 19 50	3° 9'44	1♏48	27°52	1°34	11°41	28°49	2♒58	14°15	15♒26	24♐32	28°R52	29°57	1° 4	n.a.	T 2
F 3	20 23 47	4° 7'56	14° 4	29°10	2°49	12°18	29° 1	2°53	14°15	15°25	24°31	28°51	29°53	1°11	n.a.	F 3
S 4	20 27 43	5° 6'10	26° 8	0♍27	4° 3	12°55	29°14	2°49	14°16	15°23	24°30	28°49	29°50	1°17	n.a.	S 4
S 5	20 31 40	6° 4'26	8♐ 4	1°42	5°18	13°32	29°26	2°44	14°16	15°22	24°29	28°44	29°47	1°24	n.a.	S 5
M 6	20 35 36	7° 2'44	19°57	2°56	6°33	14°10	29°39	2°39	14°16	15°20	24°28	28°37	29°44	1°31	n.a.	M 6
T 7	20 39 33	8° 1'03	1♑49	4° 7	7°47	14°47	29°51	2°35	14°17	15°18	24°27	28°29	29°41	1°38	n.a.	T 7
W 8	20 43 29	8°59'24	13°44	5°17	9° 2	15°24	0♍ 4	2°30	14°17	15°17	24°27	28°20	29°37	1°44	n.a.	W 8
T 9	20 47 26	9°57'47	25°44	6°24	10°17	16° 1	0°16	2°26	14°18	15°15	24°26	28°10	29°34	1°51	n.a.	T 9
F 10	20 51 22	10°56'12	7♒50	7°30	11°31	16°38	0°29	2°21	14°18	15°13	24°25	28° 2	29°31	1°58	n.a.	F 10
S 11	20 55 19	11°54'38	20° 3	8°33	12°46	17°14	0°42	2°17	14°19	15°12	24°24	27°55	29°28	2° 4	n.a.	S 11
S 12	20 59 16	12°53'07	2♓26	9°34	14° 1	17°51	0°54	2°12	14°19	15°10	24°23	27°50	29°25	2°11	n.a.	S 12
M13	21 3 12	13°51'38	14°58	10°32	15°16	18°28	1° 7	2° 8	14°20	15° 8	24°22	27°47	29°22	2°18	n.a.	M13
T 14	21 7 9	14°50'11	27°41	11°27	16°30	19° 4	1°20	2° 3	14°21	15° 7	24°21	27°D46	29°18	2°25	n.a.	T 14
W15	21 11 5	15°48'46	10♈37	12°20	17°45	19°41	1°33	1°59	14°22	15° 5	24°21	27°47	29°15	2°31	n.a.	W15
T 16	21 15 2	16°47'23	23°48	13° 9	19° 0	20°17	1°45	1°54	14°23	15° 3	24°20	27°48	29°12	2°38	n.a.	T 16
F 17	21 18 58	17°46'03	7♉16	13°55	20°15	20°53	1°58	1°50	14°24	15° 2	24°19	27°49	29° 9	2°45	n.a.	F 17
S 18	21 22 55	18°44'45	21° 1	14°38	21°30	21°29	2°11	1°46	14°24	15° 0	24°18	27°R50	29° 6	2°52	n.a.	S 18
S 19	21 26 51	19°43'30	5♊ 6	15°16	22°45	22° 6	2°24	1°42	14°25	14°58	24°18	27°49	29° 3	2°58	n.a.	S 19
M20	21 30 48	20°42'17	19°29	15°51	23°59	22°42	2°37	1°37	14°27	14°57	24°17	27°46	28°59	3° 5	n.a.	M20
T 21	21 34 44	21°41'07	4♋ 6	16°20	25°14	23°18	2°50	1°33	14°28	14°55	24°17	27°42	28°56	3°12	n.a.	T 21
W22	21 38 41	22°39'59	18°54	16°45	26°29	23°53	3° 3	1°29	14°29	14°54	24°16	27°37	28°53	3°18	n.a.	W22
T 23	21 42 38	23°38'53	3♌43	17° 5	27°44	24°29	3°16	1°25	14°30	14°52	24°15	27°32	28°50	3°25	n.a.	T 23
F 24	21 46 34	24°37'49	18°28	17°19	28°59	25° 5	3°29	1°21	14°31	14°50	24°15	27°27	28°47	3°32	n.a.	F 24
S 25	21 50 31	25°36'48	2♍59	17°26	0♍14	25°40	3°42	1°17	14°33	14°49	24°14	27°24	28°43	3°39	n.a.	S 25
S 26	21 54 27	26°35'48	17°11	17°R28	1°29	26°16	3°55	1°13	14°34	14°47	24°14	27°22	28°40	3°45	n.a.	S 26
M27	21 58 24	27°34'51	0♎59	17°22	2°44	26°51	4° 8	1° 9	14°35	14°45	24°13	27°D22	28°37	3°52	n.a.	M27
T 28	22 2 20	28°33'55	14°22	17° 9	3°59	27°26	4°21	1° 5	14°37	14°44	24°13	27°23	28°34	3°59	n.a.	T 28
W29	22 6 17	29°33'02	27°21	16°49	5°14	28° 2	4°34	1° 1	14°38	14°42	24°12	27°24	28°31	4° 6	n.a.	W29
T 30	22 10 13	0♍32'10	9♏59	16°21	6°29	28°37	4°47	0°58	14°40	14°41	24°12	27°26	28°28	4°12	n.a.	T 30
F 31	22 14 10	1♍31'20	22♏18	15♍45	7♍44	29♊12	5♍ 0	0♒54	14♏42	14♒39	24♐12	27♓27	28♓24	4♉19	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
W 1	19n56	9s16	1s47	12n20	0s32	21n34	1n15	22n39	0n16	13n15	1n13	21s10	1s28	16s 8	0n12	17s24	1s 2	26s13	2s35	0s28	0s 0	28s54					n.a.
T 2	19 42	14 52	2 47	11 44	0 40	21 18	1 16	22 45	0 16	13 10	1 13	21 11	1 28	16 8	0 12	17 24	1 2	26 13	2 35	0 28	0 1	28 54					n.a.
F 3	19 29	19 44	3 38	11 9	0 49	21 2	1 17	22 51	0 17	13 6	1 13	21 12	1 29	16 8	0 12	17 25	1 2	26 13	2 35	0 28	0 3	28 53					n.a.
S 4	19 14	23 43	4 18	10 33	0 58	20 45	1 18	22 57	0 18	13 1	1 12	21 13	1 29	16 8	0 12	17 25	1 2	26 13	2 35	0 29	0 4	28 53					n.a.
S 5	19 0	26 39	4 47	9 58	1 7	20 28	1 19	23 2	0 19	12 57	1 12	21 15	1 29	16 8	0 12	17 26	1 2	26 13	2 35	0 31	0 5	28 53					n.a.
M 6	18 45	28 24	5 3	9 23	1 16	20 10	1 20	23 8	0 20	12 52	1 12	21 16	1 29	16 8	0 12	17 26	1 2	26 13	2 35	0 33	0 7	28 53					n.a.
T 7	18 30	28 50	5 5	8 49	1 25	19 51	1 20	23 13	0 21	12 48	1 12	21 17	1 29	16 9	0 12	17 27	1 2	26 13	2 35	0 37	0 8	28 53					n.a.
W 8	18 15	27 56	4 55	8 15	1 34	19 32	1 21	23 18	0 21	12 43	1 12	21 18	1 29	16 9	0 12	17 27	1 2	26 13	2 35	0 40	0 9	28 53					n.a.
T 9	17 59	25 43	4 32	7 41	1 43	19 12	1 22	23 23	0 22	12 39	1 12	21 19	1 29	16 9	0 12	17 28	1 2	26 13	2 35	0 44	0 10	28 53					n.a.
F 10	17 43	22 21	3 56	7 9	1 52	18 52	1 22	23 27	0 23	12 34	1 12	21 20	1 29	16 9	0 12	17 28	1 2	26 13	2 35	0 48	0 12	28 53					n.a.
S 11	17 27	17 58	3 9	6 37	2 1	18 31	1 23	23 32	0 24	12 30	1 12	21 21	1 29	16 9	0 12	17 29	1 2	26 13	2 35	0 50	0 13	28 53					n.a.
S 12	17 10	12 48	2 13	6 5	2 9	18 10	1 23	23 36	0 25	12 25	1 12	21 22	1 29	16 10	0 12	17 29	1 2	26 13	2 35	0 52	0 14	28 52					n.a.
M13	16 53	7 3	1 9	5 35	2 18	17 48	1 24	23 40	0 26	12 20	1 12	21 23	1 29	16 10	0 12	17 30	1 2	26 13	2 35	0 54	0 15	28 52					n.a.
T 14	16 36	0 56	0 0	5 6	2 27	17 26	1 24	23 44	0 27	12 16	1 12	21 25	1 29	16 10	0 12	17 30	1 2	26 13	2 35	0 54	0 17	28 52					n.a.
W15	16 18	5n19	1n 9	4 38	2 35	17 3	1 24	23 48	0 27	12 11	1 12	21 26	1 29	16 10	0 12	17 31	1 2	26 13	2 35	0 54	0 18	28 52					n.a.
T 16	16 1	11 28	2 16	4 11	2 44	16 39	1 24	23 52	0 28	12 6	1 12	21 27	1 29	16 11	0 12	17 31	1 2	26 13	2 35	0 53	0 19	28 52					n.a.
F 17	15 42	17 13	3 18	3 46	2 52	16 16	1 24	23 55	0 29	12 2	1 12	21 28	1 29	16 11	0 12	17 32	1 2	26 13	2 35	0 53	0 21	28 51					n.a.
S 18	15 24	22 15	4 9	3 22	2 59	15 51	1 25	23 59	0 30	11 57	1 12	21 29	1 29	16 11	0 12	17 32	1 2	26 13	2 35	0 52	0 22	28 51					n.a.
S 19	15 6	26 8	4 47	3 1	3 7	15 27	1 25	24 2	0 31	11 52	1 12	21 30	1 29	16 11	0 12	17 33	1 2	26 13	2 35	0 53	0 23	28 51					n.a.
M20	14 47	28 26	5 7	2 41	3 14	15 1	1 24	24 5	0 32	11 48	1 12	21 31	1 29	16 12	0 12	17 33	1 2	26 13	2 35	0 54	0 24	28 51					n.a.
T 21	14 28	28 50	5 9	2 23	3 21	14 36	1 24	24 8	0 33	11 43	1 12	21 32	1 29	16 12	0 12	17 34	1 2	26 13	2 35	0 56	0 26	28 51					n.a.
W22	14 8	27 11	4 50	2 8	3 27	14 10	1 24	24 10	0 34	11 38	1 12	21 33	1 29	16 13	0 12	17 34	1 2	26 13	2 35	0 58	0 27	28 50					n.a.
T 23	13 49	23 38	4 11	1 55	3 32	13 44	1 24	24 13	0 35	11 33	1 12	21 34	1 30	16 13	0 12	17 35	1 2	26 13	2 35	1 0	0 28	28 50					n.a.
F 24	13 29	18 36	3 16	1 45	3 37	13 17	1 24	24 15	0 35	11 29	1 12	21 34	1 30	16 13	0 12	17 35	1 2	26 13	2 35	1 1	0 30	28 50					n.a.
S 25	13 9	12 33	2 9	1 38	3 41	12 50	1 23	24 17	0 36	11 24	1 12	21 35	1 30	16 14	0 11	17 36	1 2	26 13	2 35	1 3	0 31	28 50					n.a.
S 26	12 49	5 59	0 55	1 35	3 44	12 22	1 23	24 19	0 37	11 19	1 12	21 36	1 30	16 14	0 11	17 36	1 2	26 13	2 35	1 4	0 32	28 49					n.a.
M27	12 28	0s42	0s20	1 36	3 46	11 55	1 22	24 21	0 38	11 14	1 12	21 37	1 30	16 15	0 11	17 37	1 2	26 13	2 35	1 4	0 33	28 49					n.a.
T 28	12 8	7 9	1 32	1 40	3 47	11 26	1 22	24 23	0 39	11 9	1 12	21 38	1 30	16 15	0 11	17 37	1 2	26 13	2 35	1 3	0 35	28 49					n.a.
W29	11 47	13 6	2 37	1 48	3 46	10 58	1 21	24 24	0 40	11 5	1 12	21 39	1 30	16 16	0 11	17 38	1 2	26 13	2 35	1 3	0 36	28 48					n.a.
T 30	11 26	18 21	3 33	2 1	3 44	10 29	1 20	24 26	0 41	11 0	1 12	21 40	1 30	16 16	0 11	17 38	1 2	26 13	2 35	1 2	0 37	28 48					n.a.
F 31	11n 4	22s43	4s17	2n19	3s40	10n 0	1n19	24n27	0n42	10n55	1n12	21s40	1s30	16s17	0n11	17s39	1s 2	26s13	2s35	1s 2	0s39	28s48					n.a.

Julian Day Number = 1556542.5, Delta T = 04h27m09s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'25, Lahiri = -10°11'24 Julian Calendar 1 Aug. 452 BCE == Greg. Calendar 27 July 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

SEPTEMBER 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 18 7	2♍30'32	4♐24	15°R 2	8♍59	29♊47	5♍13	0°R50	14♏43	14°R37	24°R11	27°R27	28♓21	4♑26	n.a.	S 1
S 2	22 22 3	3°29'47	16°21	14♍11	10°14	0♋21	5°26	0♒47	14°45	14♒36	24♐11	27♓27	28°18	4°32	n.a.	S 2
M 3	22 26 0	4°29'03	28°14	13°14	11°29	0°56	5°39	0°43	14°47	14°34	24°11	27°25	28°15	4°39	n.a.	M 3
T 4	22 29 56	5°28'21	10♑ 7	12°12	12°44	1°31	5°52	0°40	14°48	14°33	24°10	27°22	28°12	4°46	n.a.	T 4
W 5	22 33 53	6°27'41	22° 5	11° 4	13°59	2° 5	6° 5	0°37	14°50	14°31	24°10	27°19	28° 9	4°53	n.a.	W 5
T 6	22 37 49	7°27'03	4♒ 9	9°54	15°14	2°39	6°18	0°34	14°52	14°30	24°10	27°16	28° 5	4°59	n.a.	T 6
F 7	22 41 46	8°26'26	16°23	8°43	16°29	3°14	6°32	0°30	14°54	14°28	24°10	27°12	28° 2	5° 6	n.a.	F 7
S 8	22 45 42	9°25'52	28°49	7°33	17°44	3°48	6°45	0°27	14°56	14°27	24°10	27°10	27°59	5°13	n.a.	S 8
S 9	22 49 39	10°25'20	11♓28	6°25	18°59	4°22	6°58	0°24	14°58	14°25	24°10	27° 9	27°56	5°19	n.a.	S 9
M10	22 53 36	11°24'50	24°19	5°22	20°14	4°56	7°11	0°22	15° 0	14°24	24°10	27°D 8	27°53	5°26	n.a.	M10
T 11	22 57 32	12°24'23	7♈24	4°25	21°29	5°29	7°24	0°19	15° 2	14°23	24°10	27° 8	27°49	5°33	n.a.	T 11
W12	23 1 29	13°23'57	20°42	3°37	22°44	6° 3	7°37	0°16	15° 4	14°21	24°D10	27° 9	27°46	5°40	n.a.	W12
T 13	23 5 25	14°23'34	4♉12	2°57	23°59	6°37	7°50	0°13	15° 7	14°20	24°10	27°10	27°43	5°46	n.a.	T 13
F 14	23 9 22	15°23'13	17°54	2°29	25°15	7°10	8° 3	0°11	15° 9	14°18	24°10	27°11	27°40	5°53	n.a.	F 14
S 15	23 13 18	16°22'55	1♊47	2°11	26°30	7°43	8°16	0° 8	15°11	14°17	24°10	27°12	27°37	6° 0	n.a.	S 15
S 16	23 17 15	17°22'39	15°50	2°D 4	27°45	8°17	8°29	0° 6	15°13	14°16	24°10	27°R12	27°34	6° 7	n.a.	S 16
M17	23 21 11	18°22'26	0♋ 3	2° 9	29° 0	8°50	8°42	0° 4	15°16	14°14	24°10	27°12	27°30	6°13	n.a.	M17
T 18	23 25 8	19°22'15	14°21	2°24	0♎15	9°23	8°55	0° 1	15°18	14°13	24°10	27°11	27°27	6°20	n.a.	T 18
W19	23 29 4	20°22'06	28°43	2°50	1°30	9°55	9° 8	29♑59	15°21	14°12	24°10	27°11	27°24	6°27	n.a.	W19
T 20	23 33 1	21°22'00	13♌ 5	3°25	2°45	10°28	9°21	29°57	15°23	14°11	24°10	27°10	27°21	6°33	n.a.	T 20
F 21	23 36 58	22°21'56	27°21	4° 9	4° 0	11° 1	9°34	29°55	15°26	14° 9	24°11	27° 9	27°18	6°40	n.a.	F 21
S 22	23 40 54	23°21'54	11♍28	5° 1	5°15	11°33	9°47	29°54	15°28	14° 8	24°11	27° 9	27°14	6°47	n.a.	S 22
S 23	23 44 51	24°21'54	25°21	6° 0	6°30	12° 5	10° 0	29°52	15°31	14° 7	24°11	27°D 9	27°11	6°54	n.a.	S 23
M24	23 48 47	25°21'56	8♎57	7° 6	7°45	12°38	10°13	29°50	15°33	14° 6	24°12	27° 9	27° 8	7° 0	n.a.	M24
T 25	23 52 44	26°22'00	22°14	8°17	9° 0	13°10	10°26	29°49	15°36	14° 5	24°12	27° 9	27° 5	7° 7	n.a.	T 25
W26	23 56 40	27°22'06	5♏11	9°33	10°16	13°41	10°38	29°47	15°39	14° 4	24°12	27°R 9	27° 2	7°14	n.a.	W26
T 27	0 0 37	28°22'14	17°48	10°52	11°31	14°13	10°51	29°46	15°42	14° 2	24°13	27° 9	26°59	7°20	n.a.	T 27
F 28	0 4 33	29°22'23	0♐10	12°16	12°46	14°45	11° 4	29°45	15°44	14° 1	24°13	27° 9	26°55	7°27	n.a.	F 28
S 29	0 8 30	0♎22'34	12°17	13°42	14° 1	15°16	11°17	29°44	15°47	14° 0	24°14	27° 8	26°52	7°34	n.a.	S 29
S 30	0 12 27	1♎22'47	24♐16	15♍11	15♎16	15♋47	11♍29	29♑43	15♏50	13♒59	24♐14	27♓ 8	26♓49	7♑41	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n43	26s 2	4s49	2n41	3s35	9n31	1n19	24n28	0n43	10n50	1n12	21s41	1s30	16s17	0n11	17s39	1s 2	26s13	2s36	1s 1	0s40	28s47		n.a.
S 2	10 21	28 9	5 8	3 7	3 27	9 2	1 18	24 29	0 44	10 45	1 12	21 42	1 30	16 18	0 11	17 40	1 2	26 13	2 36	1 2	0 41	28 47		n.a.
M 3	9 59	28 58	5 14	3 38	3 18	8 32	1 17	24 30	0 45	10 40	1 12	21 43	1 30	16 18	0 11	17 40	1 2	26 13	2 36	1 2	0 42	28 47		n.a.
T 4	9 38	28 27	5 6	4 12	3 7	8 2	1 16	24 30	0 46	10 35	1 12	21 44	1 29	16 19	0 11	17 40	1 2	26 13	2 36	1 4	0 44	28 46		n.a.
W 5	9 15	26 36	4 45	4 50	2 53	7 32	1 15	24 31	0 47	10 31	1 12	21 44	1 29	16 19	0 11	17 41	1 2	26 13	2 36	1 5	0 45	28 46		n.a.
T 6	8 53	23 32	4 12	5 31	2 38	7 1	1 14	24 31	0 48	10 26	1 12	21 45	1 29	16 20	0 11	17 41	1 2	26 13	2 36	1 6	0 46	28 46		n.a.
F 7	8 31	19 24	3 26	6 13	2 21	6 31	1 12	24 32	0 49	10 21	1 12	21 46	1 29	16 20	0 11	17 42	1 2	26 13	2 36	1 7	0 47	28 45		n.a.
S 8	8 8	14 22	2 30	6 57	2 3	6 0	1 11	24 32	0 50	10 16	1 12	21 46	1 29	16 21	0 11	17 42	1 2	26 13	2 36	1 8	0 49	28 45		n.a.
S 9	7 45	8 40	1 25	7 40	1 44	5 29	1 10	24 32	0 51	10 11	1 12	21 47	1 29	16 22	0 11	17 43	1 2	26 13	2 36	1 9	0 50	28 45		n.a.
M10	7 23	2 31	0 16	8 22	1 24	4 58	1 8	24 31	0 52	10 6	1 12	21 47	1 29	16 22	0 11	17 43	1 2	26 13	2 36	1 9	0 51	28 44		n.a.
T 11	7 0	3n50	0n56	9 2	1 3	4 27	1 7	24 31	0 53	10 1	1 12	21 48	1 29	16 23	0 11	17 43	1 2	26 13	2 36	1 9	0 53	28 44		n.a.
W12	6 36	10 8	2 7	9 39	0 43	3 55	1 6	24 31	0 54	9 56	1 12	21 49	1 29	16 24	0 11	17 44	1 2	26 13	2 36	1 9	0 54	28 43		n.a.
T 13	6 13	16 4	3 11	10 12	0 23	3 24	1 4	24 30	0 55	9 51	1 12	21 49	1 29	16 24	0 11	17 44	1 2	26 13	2 36	1 8	0 55	28 43		n.a.
F 14	5 50	21 18	4 5	10 40	0 4	2 52	1 2	24 29	0 56	9 46	1 12	21 50	1 29	16 25	0 11	17 45	1 2	26 13	2 36	1 8	0 56	28 42		n.a.
S 15	5 27	25 27	4 46	11 3	0n14	2 20	1 1	24 28	0 57	9 42	1 12	21 50	1 29	16 26	0 11	17 45	1 2	26 13	2 36	1 8	0 58	28 42		n.a.
S 16	5 3	28 8	5 10	11 21	0 31	1 49	0 59	24 27	0 58	9 37	1 12	21 51	1 29	16 26	0 11	17 45	1 2	26 13	2 36	1 8	0 59	28 42		n.a.
M17	4 39	29 1	5 16	11 34	0 47	1 17	0 57	24 26	0 59	9 32	1 12	21 51	1 29	16 27	0 11	17 46	1 2	26 13	2 36	1 8	1 0	28 41		n.a.
T 18	4 16	27 59	5 2	11 42	1 1	0 45	0 56	24 25	1 0	9 27	1 12	21 52	1 29	16 28	0 11	17 46	1 2	26 13	2 36	1 8	1 2	28 41		n.a.
W19	3 52	25 5	4 30	11 44	1 14	0 13	0 54	24 24	1 1	9 22	1 13	21 52	1 29	16 28	0 11	17 47	1 2	26 13	2 36	1 8	1 3	28 40		n.a.
T 20	3 28	20 38	3 41	11 42	1 25	0s19	0 52	24 22	1 2	9 17	1 13	21 52	1 29	16 29	0 11	17 47	1 2	26 13	2 36	1 8	1 4	28 40		n.a.
F 21	3 4	15 1	2 38	11 35	1 34	0 51	0 50	24 21	1 3	9 12	1 13	21 53	1 29	16 30	0 11	17 47	1 2	26 13	2 36	1 9	1 5	28 39		n.a.
S 22	2 40	8 40	1 26	11 23	1 43	1 23	0 48	24 19	1 5	9 7	1 13	21 53	1 29	16 31	0 11	17 48	1 2	26 13	2 36	1 9	1 7	28 39		n.a.
S 23	2 16	2 1	0 10	11 7	1 49	1 55	0 46	24 17	1 6	9 2	1 13	21 53	1 29	16 32	0 11	17 48	1 2	26 13	2 36	1 9	1 8	28 38		n.a.
M24	1 52	4s35	1s 5	10 47	1 55	2 27	0 44	24 15	1 7	8 57	1 13	21 54	1 29	16 32	0 11	17 48	1 2	26 13	2 36	1 9	1 9	28 38		n.a.
T 25	1 28	10 50	2 15	10 25	1 59	2 58	0 42	24 13	1 8	8 53	1 13	21 54	1 29	16 33	0 11	17 49	1 2	26 13	2 36	1 9	1 10	28 37		n.a.
W26	1 4	16 29	3 16	9 58	2 2	3 30	0 40	24 11	1 9	8 48	1 13	21 54	1 29	16 34	0 11	17 49	1 2	26 13	2 36	1 9	1 12	28 37		n.a.
T 27	0 39	21 17	4 5	9 30	2 4	4 2	0 38	24 9	1 10	8 43	1 13	21 54	1 29	16 35	0 11	17 49	1 2	26 13	2 36	1 9	1 13	28 36		n.a.
F 28	0 15	25 3	4 43	8 59	2 5	4 34	0 36	24 6	1 11	8 38	1 13	21 55	1 28	16 36	0 11	17 49	1 2	26 13	2 36	1 9	1 14	28 35		n.a.
S 29	0s 9	27 37	5 6	8 25	2 6	5 5	0 33	24 4	1 12	8 33	1 13	21 55	1 28	16 36	0 11	17 50	1 2	26 13	2 36	1 9	1 16	28 35		n.a.
S 30	0s33	28s54	5s16	7n50	2n 5	5s37	0n31	24n 1	1n14	8n28	1n13	21s55	1s28	16s37	0n11	17s50	1s 2	26s13	2s36	1s 9	1s17	28s34		n.a.

Julian Day Number = 1556573.5, Delta T = 04h27m07s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'20, Lahiri = -10°11'20 Julian Calendar 1 Sept. 452 BCE == Greg. Calendar 27 Aug. 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

OCTOBER 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 16 23	2♎23'02	6♉ 9	16♍41	16♎31	16♋18	11♍42	29°R42	15♏53	13°R58	24♐15	27°D 8	26♓46	7♉47	n.a.	M 1
T 2	0 20 20	3°23'18	18° 2	18°13	17°46	16°49	11°55	29♉41	15°56	13♒57	24°15	27♓ 8	26°43	7°54	n.a.	T 2
W 3	0 24 16	4°23'36	29°59	19°47	19° 1	17°20	12° 7	29°40	15°59	13°57	24°16	27° 9	26°40	8° 1	n.a.	W 3
T 4	0 28 13	5°23'56	12♒ 6	21°22	20°16	17°50	12°20	29°40	16° 2	13°56	24°16	27°10	26°36	8° 8	n.a.	T 4
F 5	0 32 9	6°24'17	24°25	22°57	21°31	18°21	12°33	29°39	16° 5	13°55	24°17	27°11	26°33	8°14	n.a.	F 5
S 6	0 36 6	7°24'39	6♓59	24°33	22°46	18°51	12°45	29°39	16° 8	13°54	24°18	27°12	26°30	8°21	n.a.	S 6
S 7	0 40 2	8°25'03	19°52	26°10	24° 1	19°21	12°57	29°38	16°11	13°53	24°18	27°12	26°27	8°28	n.a.	S 7
M 8	0 43 59	9°25'29	3♈ 2	27°46	25°16	19°51	13°10	29°38	16°14	13°52	24°19	27°R12	26°24	8°34	n.a.	M 8
T 9	0 47 56	10°25'57	16°31	29°23	26°31	20°21	13°22	29°D38	16°17	13°52	24°20	27°12	26°20	8°41	n.a.	T 9
W10	0 51 52	11°26'26	0♉16	1♎ 1	27°46	20°50	13°35	29°38	16°20	13°51	24°21	27°10	26°17	8°48	n.a.	W10
T 11	0 55 49	12°26'57	14°15	2°38	29° 1	21°19	13°47	29°38	16°23	13°50	24°22	27° 8	26°14	8°55	n.a.	T 11
F 12	0 59 45	13°27'31	28°23	4°15	0♏16	21°49	13°59	29°39	16°27	13°50	24°22	27° 6	26°11	9° 1	n.a.	F 12
S 13	1 3 42	14°28'06	12♊36	5°52	1°31	22°18	14°11	29°39	16°30	13°49	24°23	27° 4	26° 8	9° 8	n.a.	S 13
S 14	1 7 38	15°28'43	26°52	7°29	2°46	22°46	14°23	29°39	16°33	13°48	24°24	27° 2	26° 5	9°15	n.a.	S 14
M15	1 11 35	16°29'22	11♋ 6	9° 5	4° 1	23°15	14°36	29°40	16°36	13°48	24°25	27°D 1	26° 1	9°21	n.a.	M15
T 16	1 15 31	17°30'02	25°16	10°42	5°16	23°43	14°48	29°41	16°40	13°47	24°26	27° 2	25°58	9°28	n.a.	T 16
W17	1 19 28	18°30'45	9♌20	12°18	6°31	24°11	15° 0	29°41	16°43	13°47	24°27	27° 2	25°55	9°35	n.a.	W17
T 18	1 23 25	19°31'29	23°17	13°55	7°46	24°39	15°11	29°42	16°46	13°46	24°28	27° 4	25°52	9°42	n.a.	T 18
F 19	1 27 21	20°32'15	7♍ 5	15°31	9° 1	25° 7	15°23	29°43	16°50	13°46	24°29	27° 5	25°49	9°48	n.a.	F 19
S 20	1 31 18	21°33'03	20°43	17° 6	10°16	25°34	15°35	29°44	16°53	13°45	24°30	27°R 6	25°46	9°55	n.a.	S 20
S 21	1 35 14	22°33'52	4♎10	18°42	11°31	26° 2	15°47	29°46	16°56	13°45	24°31	27° 6	25°42	10° 2	n.a.	S 21
M22	1 39 11	23°34'43	17°24	20°18	12°46	26°29	15°59	29°47	17° 0	13°45	24°32	27° 5	25°39	10° 9	n.a.	M22
T 23	1 43 7	24°35'35	0♏25	21°53	14° 1	26°55	16°10	29°48	17° 3	13°44	24°33	27° 2	25°36	10°15	n.a.	T 23
W24	1 47 4	25°36'29	13°11	23°28	15°16	27°22	16°22	29°50	17° 7	13°44	24°35	26°58	25°33	10°22	n.a.	W24
T 25	1 51 0	26°37'23	25°43	25° 3	16°31	27°48	16°33	29°51	17°10	13°44	24°36	26°53	25°30	10°29	n.a.	T 25
F 26	1 54 57	27°38'19	8♐ 1	26°38	17°46	28°14	16°45	29°53	17°14	13°44	24°37	26°47	25°26	10°35	n.a.	F 26
S 27	1 58 54	28°39'16	20° 8	28°12	19° 1	28°40	16°56	29°55	17°17	13°44	24°38	26°42	25°23	10°42	n.a.	S 27
S 28	2 2 50	29°40'14	2♉ 6	29°47	20°16	29° 5	17° 7	29°57	17°21	13°43	24°39	26°37	25°20	10°49	n.a.	S 28
M29	2 6 47	0♏41'13	13°58	1♏21	21°31	29°30	17°18	29°59	17°24	13°43	24°41	26°34	25°17	10°56	n.a.	M29
T 30	2 10 43	1°42'13	25°50	2°56	22°46	29°55	17°29	0♒ 1	17°28	13°43	24°42	26°33	25°14	11° 2	n.a.	T 30
W31	2 14 40	2♏43'14	7♒45	4♏30	24♏ 1	0♌20	17♍40	0♒ 3	17♏32	13°D43	24♐43	26°D32	25♓11	11♉ 9	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	0s58	28s49	5s13	7n13	2n 4	6s 8	0n29	23n59	1n15	8n24	1n13	21s55	1s28	16s38	0n11	17s50	1s 2	26s13	2s36	1s 9	1s18	28s34			n.a.
T 2	1 22	27 24	4 56	6 35	2 2	6 39	0 27	23 56	1 16	8 19	1 13	21 55	1 28	16 39	0 11	17 51	1 2	26 13	2 36	1 9	1 19	28 33			n.a.
W 3	1 46	24 45	4 26	5 55	1 59	7 10	0 24	23 53	1 17	8 14	1 13	21 55	1 28	16 40	0 11	17 51	1 2	26 13	2 36	1 9	1 21	28 33			n.a.
T 4	2 10	20 59	3 45	5 15	1 56	7 41	0 22	23 50	1 18	8 9	1 14	21 55	1 28	16 41	0 11	17 51	1 2	26 13	2 36	1 9	1 22	28 32			n.a.
F 5	2 35	16 15	2 52	4 33	1 53	8 12	0 20	23 47	1 20	8 4	1 14	21 55	1 28	16 42	0 11	17 51	1 2	26 13	2 36	1 8	1 23	28 31			n.a.
S 6	2 59	10 45	1 50	3 51	1 49	8 42	0 17	23 44	1 21	8 0	1 14	21 55	1 28	16 43	0 11	17 52	1 2	26 13	2 36	1 8	1 25	28 31			n.a.
S 7	3 23	4 41	0 41	3 8	1 44	9 13	0 15	23 41	1 22	7 55	1 14	21 55	1 28	16 43	0 11	17 52	1 2	26 13	2 36	1 8	1 26	28 30			n.a.
M 8	3 47	1n43	0n32	2 25	1 39	9 43	0 12	23 38	1 23	7 50	1 14	21 55	1 28	16 44	0 11	17 52	1 2	26 13	2 36	1 8	1 27	28 29			n.a.
T 9	4 11	8 11	1 45	1 41	1 34	10 13	0 10	23 35	1 25	7 45	1 14	21 55	1 28	16 45	0 11	17 52	1 2	26 14	2 36	1 8	1 28	28 29			n.a.
W10	4 35	14 24	2 53	0 57	1 29	10 42	0 7	23 32	1 26	7 41	1 14	21 55	1 28	16 46	0 11	17 52	1 2	26 14	2 36	1 8	1 30	28 28			n.a.
T 11	4 59	20 0	3 51	0 13	1 24	11 12	0 5	23 28	1 27	7 36	1 14	21 55	1 28	16 47	0 11	17 53	1 2	26 14	2 36	1 9	1 31	28 27			n.a.
F 12	5 23	24 33	4 37	0s31	1 18	11 41	0 2	23 25	1 28	7 31	1 14	21 55	1 27	16 48	0 11	17 53	1 2	26 14	2 36	1 10	1 32	28 27			n.a.
S 13	5 47	27 39	5 5	1 15	1 12	12 10	0s 0	23 21	1 30	7 27	1 14	21 55	1 27	16 49	0 11	17 53	1 2	26 14	2 36	1 11	1 33	28 26			n.a.
S 14	6 10	28 58	5 15	2 0	1 6	12 38	0 3	23 18	1 31	7 22	1 15	21 55	1 27	16 50	0 11	17 53	1 2	26 14	2 36	1 12	1 35	28 25			n.a.
M15	6 34	28 21	5 6	2 44	1 0	13 6	0 5	23 14	1 32	7 17	1 15	21 54	1 27	16 51	0 11	17 53	1 2	26 14	2 36	1 12	1 36	28 25			n.a.
T 16	6 57	25 55	4 38	3 28	0 53	13 34	0 8	23 11	1 34	7 13	1 15	21 54	1 27	16 52	0 11	17 53	1 2	26 14	2 36	1 12	1 37	28 24			n.a.
W17	7 21	21 54	3 53	4 12	0 47	14 2	0 10	23 7	1 35	7 8	1 15	21 54	1 27	16 53	0 11	17 53	1 2	26 14	2 36	1 11	1 39	28 23			n.a.
T 18	7 44	16 42	2 55	4 56	0 41	14 29	0 13	23 3	1 36	7 4	1 15	21 54	1 27	16 54	0 11	17 54	1 2	26 14	2 36	1 11	1 40	28 23			n.a.
F 19	8 7	10 42	1 48	5 40	0 34	14 56	0 15	23 0	1 38	6 59	1 15	21 53	1 27	16 55	0 11	17 54	1 2	26 14	2 36	1 10	1 41	28 22			n.a.
S 20	8 30	4 16	0 35	6 23	0 28	15 23	0 18	22 56	1 39	6 55	1 15	21 53	1 27	16 56	0 11	17 54	1 2	26 14	2 36	1 10	1 42	28 21			n.a.
S 21	8 53	2s16	0s39	7 6	0 21	15 49	0 21	22 52	1 41	6 50	1 15	21 53	1 27	16 57	0 11	17 54	1 2	26 14	2 36	1 10	1 44	28 20			n.a.
M22	9 16	8 36	1 49	7 49	0 14	16 14	0 23	22 48	1 42	6 46	1 16	21 52	1 27	16 58	0 11	17 54	1 2	26 14	2 36	1 11	1 45	28 20			n.a.
T 23	9 39	14 27	2 52	8 31	0 8	16 40	0 26	22 44	1 43	6 41	1 16	21 52	1 27	16 59	0 11	17 54	1 2	26 14	2 36	1 12	1 46	28 19			n.a.
W24	10 2	19 35	3 46	9 13	0 1	17 5	0 28	22 40	1 45	6 37	1 16	21 52	1 27	17 0	0 11	17 54	1 2	26 14	2 36	1 13	1 48	28 18			n.a.
T 25	10 24	23 45	4 27	9 54	0s 5	17 29	0 31	22 37	1 46	6 32	1 16	21 51	1 26	17 1	0 11	17 54	1 2	26 14	2 36	1 15	1 49	28 17			n.a.
F 26	10 46	26 47	4 55	10 35	0 12	17 53	0 33	22 33	1 48	6 28	1 16	21 51	1 26	17 2	0 10	17 54	1 2	26 15	2 36	1 18	1 50	28 16			n.a.
S 27	11 8	28 31	5 10	11 16	0 18	18 16	0 36	22 29	1 49	6 24	1 16	21 50	1 26	17 3	0 10	17 54	1 2	26 15	2 36	1 20	1 51	28 16			n.a.
S 28	11 30	28 54	5 10	11 56	0 25	18 39	0 38	22 25	1 51	6 19	1 16	21 50	1 26	17 4	0 10	17 54	1 1	26 15	2 36	1 22	1 53	28 15			n.a.
M29	11 52	27 56	4 57	12 35	0 31	19 2	0 41	22 21	1 52	6 15	1 17	21 49	1 26	17 5	0 10	17 54	1 1	26 15	2 36	1 23	1 54	28 14			n.a.
T 30	12 13	25 42	4 32	13 14	0 37	19 24	0 43	22 17	1 54	6 11	1 17	21 49	1 26	17 6	0 10	17 54	1 1	26 15	2 36	1 24	1 55	28 13			n.a.
W31	12s35	22s21	3s55	13s52	0s44	19s45	0s45	22n13	1n55	6n 7	1n17	21s48	1s26	17s 7	0n10	17s54	1s 1	26s15	2s36	1s24	1s56	28s12			n.a.

Julian Day Number = 1556603.5, Delta T = 04h27m06s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'16, Lahiri = -10°11'16 Julian Calendar 1 Oct. 452 BCE == Greg. Calendar 26 Sept. 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

NOVEMBER 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 18 36	3♏44'15	19♒49	6♏ 4	25♏15	0♌44	17♍51	0♒ 6	17♏35	13♒43	24♐45	26♓34	25♓ 7	11♉16	n.a.	T 1
F 2	2 22 33	4°45'17	2♓ 6	7°38	26°30	1° 8	18° 2	0° 8	17°39	13°43	24°46	26°35	25° 4	11°22	n.a.	F 2
S 3	2 26 29	5°46'20	14°42	9°13	27°45	1°32	18°13	0°11	17°42	13°43	24°47	26°37	25° 1	11°29	n.a.	S 3
S 4	2 30 26	6°47'24	27°40	10°47	29° 0	1°55	18°24	0°13	17°46	13°44	24°49	26°R37	24°58	11°36	n.a.	S 4
M 5	2 34 23	7°48'28	11♈ 2	12°21	0♐15	2°18	18°34	0°16	17°50	13°44	24°50	26°36	24°55	11°43	n.a.	M 5
T 6	2 38 19	8°49'33	24°49	13°55	1°29	2°41	18°45	0°19	17°53	13°44	24°52	26°33	24°51	11°49	n.a.	T 6
W 7	2 42 16	9°50'39	8♉58	15°29	2°44	3° 4	18°55	0°22	17°57	13°44	24°53	26°28	24°48	11°56	n.a.	W 7
T 8	2 46 12	10°51'46	23°25	17° 4	3°59	3°26	19° 6	0°25	18° 0	13°44	24°55	26°22	24°45	12° 3	n.a.	T 8
F 9	2 50 9	11°52'54	8♊ 4	18°38	5°14	3°47	19°16	0°28	18° 4	13°45	24°56	26°14	24°42	12° 9	n.a.	F 9
S 10	2 54 5	12°54'03	22°46	20°12	6°29	4° 9	19°26	0°31	18° 8	13°45	24°58	26° 7	24°39	12°16	n.a.	S 10
S 11	2 58 2	13°55'12	7♋25	21°47	7°43	4°30	19°36	0°35	18°11	13°45	24°59	26° 1	24°36	12°23	n.a.	S 11
M12	3 1 58	14°56'23	21°55	23°21	8°58	4°51	19°46	0°38	18°15	13°46	25° 1	25°56	24°32	12°30	n.a.	M12
T 13	3 5 55	15°57'34	6♌10	24°56	10°13	5°11	19°56	0°42	18°19	13°46	25° 2	25°54	24°29	12°36	n.a.	T 13
W14	3 9 52	16°58'46	20°10	26°30	11°27	5°31	20° 6	0°45	18°22	13°47	25° 4	25°D53	24°26	12°43	n.a.	W14
T 15	3 13 48	17°59'59	3♍54	28° 5	12°42	5°51	20°15	0°49	18°26	13°47	25° 6	25°54	24°23	12°50	n.a.	T 15
F 16	3 17 45	19° 1'13	17°23	29°39	13°57	6°10	20°25	0°53	18°30	13°48	25° 7	25°55	24°20	12°56	n.a.	F 16
S 17	3 21 41	20° 2'28	0♎38	1♐14	15°11	6°29	20°34	0°57	18°33	13°48	25° 9	25°R55	24°17	13° 3	n.a.	S 17
S 18	3 25 38	21° 3'43	13°41	2°48	16°26	6°47	20°44	1° 1	18°37	13°49	25°10	25°54	24°13	13°10	n.a.	S 18
M19	3 29 34	22° 4'59	26°32	4°23	17°41	7° 5	20°53	1° 5	18°41	13°49	25°12	25°49	24°10	13°17	n.a.	M19
T 20	3 33 31	23° 6'15	9♏13	5°57	18°55	7°22	21° 2	1° 9	18°44	13°50	25°14	25°43	24° 7	13°23	n.a.	T 20
W21	3 37 27	24° 7'32	21°43	7°31	20°10	7°39	21°11	1°13	18°48	13°51	25°16	25°33	24° 4	13°30	n.a.	W21
T 22	3 41 24	25° 8'49	4♐ 4	9° 5	21°24	7°56	21°20	1°17	18°52	13°51	25°17	25°22	24° 1	13°37	n.a.	T 22
F 23	3 45 21	26°10'06	16°15	10°38	22°39	8°12	21°29	1°22	18°55	13°52	25°19	25° 9	23°57	13°43	n.a.	F 23
S 24	3 49 17	27°11'24	28°17	12°11	23°53	8°28	21°37	1°26	18°59	13°53	25°21	24°57	23°54	13°50	n.a.	S 24
S 25	3 53 14	28°12'41	10♑13	13°44	25° 8	8°43	21°46	1°31	19° 3	13°54	25°23	24°46	23°51	13°57	n.a.	S 25
M26	3 57 10	29°13'58	22° 3	15°15	26°22	8°58	21°54	1°35	19° 6	13°55	25°24	24°37	23°48	14° 4	n.a.	M26
T 27	4 1 7	0♐15'16	3♒53	16°45	27°37	9°12	22° 3	1°40	19°10	13°56	25°26	24°31	23°45	14°10	n.a.	T 27
W28	4 5 3	1°16'33	15°45	18°14	28°51	9°25	22°11	1°45	19°13	13°57	25°28	24°28	23°42	14°17	n.a.	W28
T 29	4 9 0	2°17'49	27°45	19°42	0♑ 6	9°38	22°19	1°50	19°17	13°58	25°30	24°D26	23°38	14°24	n.a.	T 29
F 30	4 12 57	3♐19'06	9♓58	21♐ 8	1♑20	9♌51	22♍27	1♒55	19♏21	13♒59	25♐32	24♓26	23♓35	14♉30	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s56	18s 1	3s 7	14s30	0s50	20s 6	0s48	22n10	1n57	6n 2	1n17	21s48	1s26	17s 8	0n10	17s54	1s 1	26s15	2s36	1s23	1s58	28s12		n.a.
F 2	13 16	12 52	2 9	15 7	0 56	20 26	0 50	22 6	1 59	5 58	1 17	21 47	1 26	17 9	0 10	17 54	1 1	26 15	2 36	1 22	1 59	28 11		n.a.
S 3	13 37	7 5	1 4	15 43	1 2	20 46	0 52	22 2	2 0	5 54	1 17	21 46	1 26	17 10	0 10	17 54	1 1	26 15	2 36	1 22	2 0	28 10		n.a.
S 4	13 58	0 51	0n 6	16 19	1 7	21 5	0 55	21 58	2 2	5 50	1 18	21 46	1 26	17 11	0 10	17 54	1 1	26 15	2 36	1 22	2 2	28 9		n.a.
M 5	14 18	5n36	1 17	16 54	1 13	21 24	0 57	21 54	2 4	5 46	1 18	21 45	1 26	17 12	0 10	17 54	1 1	26 15	2 36	1 22	2 3	28 8		n.a.
T 6	14 38	12 0	2 27	17 28	1 18	21 42	0 59	21 51	2 5	5 42	1 18	21 44	1 26	17 13	0 10	17 54	1 1	26 15	2 36	1 23	2 4	28 7		n.a.
W 7	14 57	17 58	3 29	18 1	1 23	21 59	1 2	21 47	2 7	5 38	1 18	21 44	1 25	17 14	0 10	17 54	1 1	26 16	2 37	1 25	2 5	28 6		n.a.
T 8	15 17	23 2	4 19	18 34	1 29	22 16	1 4	21 43	2 9	5 34	1 18	21 43	1 25	17 15	0 10	17 54	1 1	26 16	2 37	1 28	2 7	28 5		n.a.
F 9	15 36	26 45	4 52	19 5	1 33	22 32	1 6	21 40	2 10	5 30	1 18	21 42	1 25	17 16	0 10	17 54	1 1	26 16	2 37	1 31	2 8	28 5		n.a.
S 10	15 55	28 39	5 7	19 36	1 38	22 47	1 8	21 36	2 12	5 26	1 19	21 41	1 25	17 17	0 10	17 53	1 1	26 16	2 37	1 34	2 9	28 4		n.a.
S 11	16 13	28 33	5 1	20 6	1 42	23 2	1 10	21 33	2 14	5 22	1 19	21 40	1 25	17 18	0 10	17 53	1 1	26 16	2 37	1 36	2 10	28 3		n.a.
M12	16 32	26 29	4 37	20 34	1 47	23 16	1 12	21 29	2 15	5 19	1 19	21 40	1 25	17 19	0 10	17 53	1 1	26 16	2 37	1 38	2 12	28 2		n.a.
T 13	16 50	22 46	3 55	21 2	1 51	23 30	1 14	21 26	2 17	5 15	1 19	21 39	1 25	17 20	0 10	17 53	1 1	26 16	2 37	1 39	2 13	28 1		n.a.
W14	17 8	17 47	3 0	21 29	1 54	23 42	1 16	21 23	2 19	5 11	1 19	21 38	1 25	17 21	0 10	17 53	1 1	26 16	2 37	1 39	2 14	28 0		n.a.
T 15	17 25	12 0	1 55	21 54	1 58	23 54	1 18	21 20	2 21	5 7	1 19	21 37	1 25	17 22	0 10	17 53	1 1	26 16	2 37	1 39	2 16	27 59		n.a.
F 16	17 42	5 45	0 46	22 18	2 1	24 6	1 20	21 17	2 23	5 4	1 20	21 36	1 25	17 23	0 10	17 53	1 1	26 16	2 37	1 39	2 17	27 58		n.a.
S 17	17 59	0s39	0s25	22 41	2 3	24 16	1 22	21 14	2 25	5 0	1 20	21 35	1 25	17 25	0 10	17 52	1 1	26 16	2 37	1 38	2 18	27 57		n.a.
S 18	18 15	6 54	1 34	23 3	2 6	24 26	1 23	21 11	2 26	4 57	1 20	21 34	1 25	17 26	0 10	17 52	1 1	26 17	2 37	1 39	2 19	27 56		n.a.
M19	18 32	12 47	2 36	23 23	2 8	24 35	1 25	21 8	2 28	4 53	1 20	21 33	1 25	17 27	0 10	17 52	1 1	26 17	2 37	1 41	2 21	27 55		n.a.
T 20	18 47	18 3	3 30	23 42	2 9	24 43	1 27	21 5	2 30	4 50	1 20	21 32	1 25	17 28	0 10	17 52	1 1	26 17	2 37	1 44	2 22	27 54		n.a.
W21	19 3	22 29	4 12	24 0	2 11	24 51	1 28	21 3	2 32	4 46	1 21	21 31	1 24	17 29	0 10	17 51	1 1	26 17	2 37	1 47	2 23	27 53		n.a.
T 22	19 18	25 51	4 42	24 16	2 11	24 58	1 30	21 0	2 34	4 43	1 21	21 30	1 24	17 30	0 10	17 51	1 1	26 17	2 37	1 52	2 25	27 52		n.a.
F 23	19 33	27 59	4 59	24 30	2 12	25 4	1 31	20 58	2 36	4 40	1 21	21 29	1 24	17 31	0 10	17 51	1 1	26 17	2 37	1 57	2 26	27 51		n.a.
S 24	19 47	28 47	5 2	24 43	2 11	25 9	1 33	20 55	2 38	4 36	1 21	21 28	1 24	17 32	0 10	17 51	1 1	26 17	2 37	2 2	2 27	27 50		n.a.
S 25	20 1	28 12	4 52	24 54	2 10	25 14	1 34	20 53	2 40	4 33	1 22	21 27	1 24	17 33	0 10	17 50	1 1	26 17	2 37	2 6	2 28	27 49		n.a.
M26	20 15	26 21	4 29	25 4	2 9	25 17	1 35	20 51	2 42	4 30	1 22	21 26	1 24	17 34	0 10	17 50	1 1	26 17	2 37	2 10	2 30	27 48		n.a.
T 27	20 28	23 20	3 55	25 11	2 7	25 20	1 37	20 49	2 44	4 27	1 22	21 25	1 24	17 35	0 10	17 50	1 1	26 18	2 37	2 12	2 31	27 47		n.a.
W28	20 41	19 21	3 10	25 17	2 4	25 23	1 38	20 48	2 46	4 24	1 22	21 24	1 24	17 36	0 10	17 50	1 1	26 18	2 37	2 14	2 32	27 46		n.a.
T 29	20 54	14 33	2 17	25 21	2 0	25 24	1 39	20 46	2 48	4 21	1 22	21 23	1 24	17 37	0 10	17 49	1 1	26 18	2 37	2 14	2 33	27 45		n.a.
F 30	21s 6	9s 6	1s16	25s23	1s56	25s25	1s40	20n45	2n50	4n18	1n23	21s21	1s24	17s38	0n10	17s49	1s 1	26s18	2s38	2s14	2s35	27s44		n.a.

Julian Day Number = 1556634.5, Delta T = 04h27m05s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'12, Lahiri = -10°11'12 Julian Calendar 1 Nov. 452 BCE == Greg. Calendar 27 Oct. 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 452 BCE
geocentric

DECEMBER 452 BCE (-451) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 16 53	4♐20'21	22♓29	22♐31	2♑34	10♌ 3	22♍34	2♒ 0	19♏24	14♒ 0	25♐33	24°R27	23♓32	14♑37	n.a.	S 1
S 2	4 20 50	5°21'37	5♈23	23°52	3°49	10°14	22°42	2° 5	19°28	14° 1	25°35	24♓26	23°29	14°44	n.a.	S 2
M 3	4 24 46	6°22'52	18°45	25°10	5° 3	10°25	22°49	2°10	19°31	14° 2	25°37	24°24	23°26	14°51	n.a.	M 3
T 4	4 28 43	7°24'07	2♉35	26°24	6°17	10°36	22°57	2°15	19°35	14° 3	25°39	24°19	23°23	14°57	n.a.	T 4
W 5	4 32 39	8°25'21	16°55	27°33	7°32	10°45	23° 4	2°21	19°38	14° 4	25°41	24°11	23°19	15° 4	n.a.	W 5
T 6	4 36 36	9°26'35	1♊39	28°38	8°46	10°54	23°11	2°26	19°42	14° 5	25°43	24° 1	23°16	15°11	n.a.	T 6
F 7	4 40 32	10°27'48	16°40	29°37	10° 0	11° 3	23°18	2°31	19°45	14° 6	25°45	23°50	23°13	15°17	n.a.	F 7
S 8	4 44 29	11°29'02	1♋49	0♑29	11°14	11°11	23°25	2°37	19°49	14° 8	25°47	23°38	23°10	15°24	n.a.	S 8
S 9	4 48 26	12°30'15	16°54	1°13	12°28	11°18	23°31	2°42	19°52	14° 9	25°48	23°28	23° 7	15°31	n.a.	S 9
M10	4 52 22	13°31'27	1♌47	1°50	13°42	11°25	23°38	2°48	19°56	14°10	25°50	23°20	23° 3	15°38	n.a.	M10
T 11	4 56 19	14°32'40	16°20	2°17	14°56	11°31	23°44	2°54	19°59	14°12	25°52	23°15	23° 0	15°44	n.a.	T 11
W12	5 0 15	15°33'52	0♍30	2°33	16°10	11°36	23°50	3° 0	20° 3	14°13	25°54	23°13	22°57	15°51	n.a.	W12
T 13	5 4 12	16°35'04	14°16	2°R39	17°24	11°41	23°56	3° 5	20° 6	14°14	25°56	23°12	22°54	15°58	n.a.	T 13
F 14	5 8 8	17°36'15	27°40	2°34	18°38	11°45	24° 2	3°11	20° 9	14°16	25°58	23°12	22°51	16° 5	n.a.	F 14
S 15	5 12 5	18°37'26	10♎44	2°17	19°52	11°48	24° 8	3°17	20°13	14°17	26° 0	23°12	22°48	16°11	n.a.	S 15
S 16	5 16 2	19°38'37	23°32	1°48	21° 6	11°50	24°13	3°23	20°16	14°19	26° 2	23° 9	22°44	16°18	n.a.	S 16
M17	5 19 58	20°39'47	6♏ 7	1° 8	22°20	11°52	24°19	3°29	20°19	14°20	26° 4	23° 3	22°41	16°25	n.a.	M17
T 18	5 23 55	21°40'57	18°31	0°17	23°34	11°53	24°24	3°36	20°23	14°22	26° 6	22°54	22°38	16°31	n.a.	T 18
W19	5 27 51	22°42'06	0♐46	29♐18	24°47	11°R53	24°29	3°42	20°26	14°23	26° 8	22°43	22°35	16°38	n.a.	W19
T 20	5 31 48	23°43'15	12°54	28°10	26° 1	11°53	24°34	3°48	20°29	14°25	26°10	22°29	22°32	16°45	n.a.	T 20
F 21	5 35 44	24°44'22	24°56	26°58	27°15	11°51	24°39	3°54	20°32	14°26	26°12	22°14	22°29	16°51	n.a.	F 21
S 22	5 39 41	25°45'29	6♑52	25°42	28°28	11°49	24°43	4° 1	20°35	14°28	26°14	21°58	22°25	16°58	n.a.	S 22
S 23	5 43 37	26°46'35	18°45	24°26	29°42	11°47	24°48	4° 7	20°39	14°30	26°16	21°45	22°22	17° 5	n.a.	S 23
M24	5 47 34	27°47'39	0♒35	23°10	0♒55	11°43	24°52	4°14	20°42	14°31	26°18	21°33	22°19	17°12	n.a.	M24
T 25	5 51 31	28°48'43	12°24	21°59	2° 9	11°39	24°56	4°20	20°45	14°33	26°20	21°24	22°16	17°18	n.a.	T 25
W26	5 55 27	29°49'45	24°17	20°52	3°22	11°34	25° 0	4°27	20°48	14°35	26°21	21°19	22°13	17°25	n.a.	W26
T 27	5 59 24	0♑50'46	6♓16	19°52	4°36	11°28	25° 4	4°33	20°51	14°37	26°23	21°16	22° 9	17°32	n.a.	T 27
F 28	6 3 20	1°51'45	18°26	19° 0	5°49	11°21	25° 7	4°40	20°54	14°38	26°25	21°D15	22° 6	17°38	n.a.	F 28
S 29	6 7 17	2°52'43	0♈52	18°16	7° 2	11°13	25°11	4°47	20°57	14°40	26°27	21°R16	22° 3	17°45	n.a.	S 29
S 30	6 11 13	3°53'40	13°40	17°41	8°15	11° 5	25°14	4°53	21° 0	14°42	26°29	21°15	22° 0	17°52	n.a.	S 30
M31	6 15 10	4♑54'35	26♈53	17♐15	9♒28	10♌56	25♍17	5♒ 0	21♏ 3	14♒44	26♐31	21♓13	21♓57	17♑59	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s17	3s11	0s10	25s23	1s51	25s24	1s41	20n43	2n53	4n15	1n23	21s20	1s24	17s39	0n10	17s49	1s 1	26s18	2s38	2s14	2s36	27s43		n.a.
S 2	21 29	3n 3	0n58	25 21	1 45	25 23	1 42	20 42	2 55	4 12	1 23	21 19	1 24	17 40	0 10	17 48	1 1	26 18	2 38	2 14	2 37	27 42		n.a.
M 3	21 39	9 22	2 5	25 18	1 38	25 22	1 43	20 41	2 57	4 9	1 23	21 18	1 24	17 41	0 10	17 48	1 1	26 18	2 38	2 15	2 39	27 40		n.a.
T 4	21 50	15 27	3 7	25 12	1 30	25 19	1 43	20 41	2 59	4 7	1 24	21 16	1 24	17 42	0 10	17 48	1 1	26 18	2 38	2 17	2 40	27 39		n.a.
W 5	22 0	20 56	4 0	25 5	1 21	25 16	1 44	20 40	3 1	4 4	1 24	21 15	1 24	17 43	0 10	17 47	1 1	26 19	2 38	2 20	2 41	27 38		n.a.
T 6	22 9	25 18	4 38	24 56	1 11	25 12	1 45	20 40	3 3	4 1	1 24	21 14	1 24	17 44	0 10	17 47	1 1	26 19	2 38	2 24	2 42	27 37		n.a.
F 7	22 18	28 1	4 58	24 45	1 0	25 7	1 45	20 39	3 6	3 59	1 24	21 13	1 24	17 45	0 10	17 47	1 1	26 19	2 38	2 29	2 44	27 36		n.a.
S 8	22 27	28 42	4 57	24 32	0 47	25 1	1 46	20 39	3 8	3 56	1 25	21 11	1 24	17 46	0 10	17 46	1 1	26 19	2 38	2 33	2 45	27 35		n.a.
S 9	22 35	27 14	4 36	24 18	0 34	24 55	1 46	20 39	3 10	3 54	1 25	21 10	1 24	17 46	0 10	17 46	1 0	26 19	2 38	2 38	2 46	27 34		n.a.
M10	22 43	23 51	3 56	24 3	0 19	24 48	1 46	20 40	3 13	3 52	1 25	21 9	1 24	17 47	0 10	17 45	1 0	26 19	2 38	2 41	2 47	27 33		n.a.
T 11	22 51	19 2	3 1	23 47	0 3	24 40	1 47	20 40	3 15	3 49	1 25	21 7	1 24	17 48	0 10	17 45	1 0	26 19	2 38	2 43	2 49	27 31		n.a.
W12	22 58	13 15	1 57	23 30	0n14	24 31	1 47	20 41	3 17	3 47	1 26	21 6	1 23	17 49	0 10	17 45	1 0	26 19	2 38	2 44	2 50	27 30		n.a.
T 13	23 4	6 59	0 47	23 12	0 32	24 22	1 47	20 42	3 19	3 45	1 26	21 4	1 23	17 50	0 10	17 44	1 0	26 20	2 38	2 44	2 51	27 29		n.a.
F 14	23 10	0 35	0s24	22 53	0 50	24 12	1 47	20 43	3 22	3 43	1 26	21 3	1 23	17 51	0 10	17 44	1 0	26 20	2 38	2 44	2 53	27 28		n.a.
S 15	23 15	5s42	1 31	22 35	1 9	24 1	1 47	20 44	3 24	3 41	1 26	21 2	1 23	17 52	0 10	17 43	1 0	26 20	2 38	2 44	2 54	27 27		n.a.
S 16	23 21	11 37	2 33	22 16	1 28	23 50	1 46	20 46	3 26	3 39	1 27	21 0	1 23	17 53	0 10	17 43	1 0	26 20	2 39	2 45	2 55	27 25		n.a.
M17	23 25	16 57	3 25	21 57	1 48	23 37	1 46	20 47	3 29	3 37	1 27	20 59	1 23	17 54	0 10	17 42	1 0	26 20	2 39	2 48	2 56	27 24		n.a.
T 18	23 29	21 31	4 8	21 39	2 6	23 24	1 46	20 49	3 31	3 35	1 27	20 57	1 23	17 55	0 10	17 42	1 0	26 20	2 39	2 51	2 58	27 23		n.a.
W19	23 33	25 6	4 38	21 21	2 24	23 11	1 46	20 52	3 33	3 33	1 27	20 56	1 23	17 56	0 10	17 41	1 0	26 20	2 39	2 56	2 59	27 22		n.a.
T 20	23 36	27 31	4 55	21 4	2 40	22 56	1 45	20 54	3 36	3 31	1 28	20 54	1 23	17 56	0 10	17 41	1 0	26 21	2 39	3 1	3 0	27 21		n.a.
F 21	23 39	28 38	4 59	20 48	2 55	22 41	1 44	20 57	3 38	3 30	1 28	20 53	1 23	17 57	0 10	17 40	1 0	26 21	2 39	3 7	3 1	27 19		n.a.
S 22	23 41	28 23	4 49	20 33	3 8	22 26	1 44	20 59	3 41	3 28	1 28	20 51	1 23	17 58	0 10	17 40	1 0	26 21	2 39	3 13	3 3	27 18		n.a.
S 23	23 43	26 50	4 27	20 20	3 18	22 9	1 43	21 2	3 43	3 27	1 28	20 49	1 23	17 59	0 10	17 39	1 0	26 21	2 39	3 19	3 4	27 17		n.a.
M24	23 44	24 5	3 53	20 9	3 26	21 53	1 42	21 6	3 45	3 25	1 29	20 48	1 23	18 0	0 10	17 39	1 0	26 21	2 39	3 24	3 5	27 16		n.a.
T 25	23 45	20 20	3 10	19 59	3 31	21 35	1 41	21 9	3 48	3 24	1 29	20 46	1 23	18 1	0 10	17 38	1 0	26 21	2 39	3 27	3 6	27 14		n.a.
W26	23 45	15 45	2 17	19 52	3 34	21 17	1 40	21 13	3 50	3 22	1 29	20 45	1 23	18 2	0 10	17 38	1 0	26 21	2 39	3 29	3 8	27 13		n.a.
T 27	23 45	10 33	1 18	19 47	3 35	20 58	1 39	21 17	3 52	3 21	1 30	20 43	1 23	18 2	0 10	17 37	1 0	26 22	2 39	3 30	3 9	27 12		n.a.
F 28	23 44	4 52	0 15	19 44	3 34	20 39	1 38	21 21	3 55	3 20	1 30	20 41	1 23	18 3	0 10	17 37	1 0	26 22	2 40	3 31	3 10	27 10		n.a.
S 29	23 43	1n 7	0n51	19 44	3 31	20 19	1 37	21 25	3 57	3 19	1 30	20 40	1 23	18 4	0 10	17 36	1 0	26 22	2 40	3 31	3 12	27 9		n.a.
S 30	23 42	7 14	1 56	19 45	3 26	19 58	1 35	21 30	3 59	3 18	1 30	20 38	1 23	18 5	0 10	17 36	1 0	26 22	2 40	3 31	3 13	27 8		n.a.
M31	23s40	13n14	2n57	19s49	3n20	19s37	1s34	21n35	4n 1	3n17	1n31	20s36	1s23	18s 6	0n10	17s35	1s 0	26s22	2s40	3s31	3s14	27s 7		n.a.

Julian Day Number = 1556664.5, Delta T = 04h27m04s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'08, Lahiri = -10°11'07 Julian Calendar 1 Dec. 452 BCE == Greg. Calendar 26 Nov. 452 BCE

The year -451 astronomical counting style corresponds to year 452 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

JANUARY 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 19 6	5♉55'28	10♉37	16°R57	10♒41	10°R46	25♍20	5♒ 7	21♏ 6	14♒46	26♐33	21°R 9	21♓54	18♉ 5	n.a.	T 1
W 2	6 23 3	6°56'20	24°50	16♐47	11°54	10♌35	25°22	5°14	21° 8	14°47	26°35	21♓ 2	21°50	18°12	n.a.	W 2
T 3	6 27 0	7°57'11	9♊33	16°D45	13° 7	10°24	25°25	5°21	21°11	14°49	26°37	20°53	21°47	18°19	n.a.	T 3
F 4	6 30 56	8°58'00	24°38	16°51	14°20	10°12	25°27	5°28	21°14	14°51	26°39	20°43	21°44	18°25	n.a.	F 4
S 5	6 34 53	9°58'48	9♋57	17° 3	15°33	9°59	25°29	5°34	21°17	14°53	26°41	20°32	21°41	18°32	n.a.	S 5
S 6	6 38 49	10°59'34	25°17	17°22	16°46	9°45	25°31	5°41	21°19	14°55	26°43	20°22	21°38	18°39	n.a.	S 6
M 7	6 42 46	12° 0'19	10♌28	17°47	17°58	9°30	25°33	5°48	21°22	14°57	26°45	20°15	21°35	18°46	n.a.	M 7
T 8	6 46 42	13° 1'02	25°20	18°17	19°11	9°15	25°34	5°56	21°25	14°59	26°46	20°10	21°31	18°52	n.a.	T 8
W 9	6 50 39	14° 1'44	9♍47	18°53	20°23	8°59	25°36	6° 3	21°27	15° 1	26°48	20° 7	21°28	18°59	n.a.	W 9
T 10	6 54 36	15° 2'25	23°45	19°32	21°36	8°43	25°37	6°10	21°30	15° 3	26°50	20°D 7	21°25	19° 6	n.a.	T 10
F 11	6 58 32	16° 3'05	7♎17	20°17	22°48	8°26	25°38	6°17	21°32	15° 5	26°52	20° 7	21°22	19°12	n.a.	F 11
S 12	7 2 29	17° 3'43	20°23	21° 4	24° 0	8° 8	25°38	6°24	21°35	15° 7	26°54	20°R 8	21°19	19°19	n.a.	S 12
S 13	7 6 25	18° 4'20	3♏ 9	21°56	25°12	7°49	25°39	6°31	21°37	15° 9	26°56	20° 6	21°15	19°26	n.a.	S 13
M14	7 10 22	19° 4'55	15°37	22°51	26°24	7°30	25°39	6°38	21°40	15°11	26°58	20° 3	21°12	19°33	n.a.	M14
T 15	7 14 18	20° 5'30	27°52	23°48	27°36	7°10	25°40	6°46	21°42	15°13	26°59	19°57	21° 9	19°39	n.a.	T 15
W16	7 18 15	21° 6'02	9♐58	24°49	28°48	6°50	25°R40	6°53	21°44	15°16	27° 1	19°48	21° 6	19°46	n.a.	W16
T 17	7 22 11	22° 6'34	21°57	25°52	0♓ 0	6°29	25°40	7° 0	21°47	15°18	27° 3	19°38	21° 3	19°53	n.a.	T 17
F 18	7 26 8	23° 7'04	3♑51	26°57	1°12	6° 8	25°39	7° 7	21°49	15°20	27° 5	19°27	21° 0	19°59	n.a.	F 18
S 19	7 30 5	24° 7'32	15°43	28° 5	2°23	5°46	25°39	7°15	21°51	15°22	27° 7	19°15	20°56	20° 6	n.a.	S 19
S 20	7 34 1	25° 7'58	27°34	29°15	3°35	5°24	25°38	7°22	21°53	15°24	27° 8	19° 5	20°53	20°13	n.a.	S 20
M21	7 37 58	26° 8'22	9♒25	0♑26	4°46	5° 2	25°37	7°29	21°55	15°26	27°10	18°56	20°50	20°19	n.a.	M21
T 22	7 41 54	27° 8'45	21°18	1°40	5°58	4°39	25°36	7°37	21°57	15°28	27°12	18°50	20°47	20°26	n.a.	T 22
W23	7 45 51	28° 9'05	3♓16	2°55	7° 9	4°16	25°34	7°44	21°59	15°31	27°14	18°46	20°44	20°33	n.a.	W23
T 24	7 49 47	29° 9'24	15°20	4°11	8°20	3°53	25°33	7°52	22° 1	15°33	27°15	18°D44	20°41	20°40	n.a.	T 24
F 25	7 53 44	0♒ 9'40	27°34	5°30	9°31	3°29	25°31	7°59	22° 3	15°35	27°17	18°45	20°37	20°46	n.a.	F 25
S 26	7 57 40	1° 9'54	10♈ 3	6°50	10°42	3° 5	25°29	8° 6	22° 5	15°37	27°19	18°46	20°34	20°53	n.a.	S 26
S 27	8 1 37	2°10'06	22°49	8°11	11°53	2°42	25°27	8°14	22° 7	15°39	27°20	18°47	20°31	21° 0	n.a.	S 27
M28	8 5 34	3°10'16	5♉57	9°33	13° 3	2°18	25°25	8°21	22° 8	15°42	27°22	18°R48	20°28	21° 6	n.a.	M28
T 29	8 9 30	4°10'24	19°31	10°57	14°14	1°54	25°23	8°29	22°10	15°44	27°24	18°46	20°25	21°13	n.a.	T 29
W30	8 13 27	5°10'29	3♊33	12°23	15°24	1°31	25°20	8°36	22°12	15°46	27°25	18°43	20°21	21°20	n.a.	W30
T 31	8 17 23	6♒10'33	18♊ 1	13♑49	16♓35	1♌ 7	25♍17	8♒44	22♏14	15♒48	27♐27	18♓39	20♓18	21♉27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s37	18n50	3n50	19s54	3n13	19s16	1s33	21n40	4n 3	3n16	1n31	20s35	1s23	18s 6	0n10	17s35	1s 0	26s22	2s40	3s33	3s15	27s 5		n.a.
W 2	23 34	23 36	4 31	20 2	3 4	18 54	1 31	21 45	4 6	3 15	1 31	20 33	1 23	18 7	0 10	17 34	1 0	26 22	2 40	3 36	3 17	27 4		n.a.
T 3	23 31	27 2	4 56	20 10	2 56	18 31	1 29	21 50	4 8	3 15	1 32	20 31	1 23	18 8	0 10	17 33	1 0	26 23	2 40	3 39	3 18	27 3		n.a.
F 4	23 27	28 39	5 1	20 20	2 46	18 8	1 28	21 55	4 10	3 14	1 32	20 30	1 23	18 9	0 10	17 33	1 0	26 23	2 40	3 44	3 19	27 1		n.a.
S 5	23 22	28 6	4 45	20 32	2 36	17 45	1 26	22 1	4 12	3 13	1 32	20 28	1 23	18 9	0 10	17 32	1 0	26 23	2 40	3 48	3 20	27 0		n.a.
S 6	23 17	25 25	4 8	20 44	2 26	17 21	1 24	22 7	4 14	3 13	1 32	20 26	1 23	18 10	0 10	17 32	1 0	26 23	2 40	3 52	3 22	26 59		n.a.
M 7	23 12	20 57	3 14	20 57	2 15	16 56	1 22	22 12	4 16	3 12	1 33	20 24	1 23	18 11	0 10	17 31	1 0	26 23	2 41	3 55	3 23	26 57		n.a.
T 8	23 6	15 15	2 8	21 10	2 4	16 32	1 20	22 18	4 18	3 12	1 33	20 23	1 23	18 11	0 10	17 30	1 0	26 23	2 41	3 57	3 24	26 56		n.a.
W 9	23 0	8 51	0 55	21 24	1 53	16 6	1 18	22 25	4 20	3 12	1 33	20 21	1 23	18 12	0 10	17 30	1 0	26 23	2 41	3 58	3 26	26 54		n.a.
T 10	22 53	2 13	0s19	21 38	1 43	15 41	1 15	22 31	4 21	3 12	1 34	20 19	1 23	18 13	0 10	17 29	1 0	26 24	2 41	3 58	3 27	26 53		n.a.
F 11	22 46	4s18	1 30	21 52	1 32	15 15	1 13	22 37	4 23	3 11	1 34	20 17	1 23	18 13	0 10	17 29	1 0	26 24	2 41	3 58	3 28	26 52		n.a.
S 12	22 39	10 26	2 34	22 6	1 21	14 48	1 11	22 44	4 25	3 11	1 34	20 16	1 23	18 14	0 10	17 28	1 0	26 24	2 41	3 58	3 29	26 50		n.a.
S 13	22 31	15 59	3 28	22 20	1 10	14 21	1 8	22 50	4 26	3 11	1 34	20 14	1 23	18 15	0 10	17 27	1 0	26 24	2 41	3 58	3 31	26 49		n.a.
M14	22 22	20 44	4 11	22 33	1 0	13 54	1 6	22 57	4 28	3 12	1 35	20 12	1 23	18 15	0 10	17 27	1 0	26 24	2 41	3 59	3 32	26 47		n.a.
T 15	22 14	24 31	4 42	22 47	0 50	13 27	1 3	23 3	4 29	3 12	1 35	20 10	1 23	18 16	0 10	17 26	1 0	26 24	2 41	4 2	3 33	26 46		n.a.
W16	22 4	27 10	4 59	22 59	0 40	12 59	1 0	23 10	4 30	3 12	1 35	20 8	1 23	18 17	0 10	17 25	1 0	26 25	2 41	4 5	3 34	26 44		n.a.
T 17	21 55	28 33	5 4	23 12	0 30	12 31	0 58	23 16	4 32	3 12	1 35	20 6	1 23	18 17	0 10	17 25	1 0	26 25	2 42	4 9	3 36	26 43		n.a.
F 18	21 45	28 36	4 54	23 23	0 20	12 2	0 55	23 23	4 33	3 13	1 36	20 4	1 23	18 18	0 10	17 24	1 0	26 25	2 42	4 14	3 37	26 42		n.a.
S 19	21 34	27 19	4 33	23 34	0 11	11 34	0 52	23 30	4 34	3 13	1 36	20 3	1 23	18 18	0 10	17 24	1 0	26 25	2 42	4 18	3 38	26 40		n.a.
S 20	21 23	24 49	3 59	23 44	0 1	11 5	0 49	23 36	4 35	3 14	1 36	20 1	1 23	18 19	0 10	17 23	1 0	26 25	2 42	4 23	3 39	26 39		n.a.
M21	21 12	21 15	3 15	23 53	0s 8	10 36	0 46	23 43	4 36	3 14	1 37	19 59	1 23	18 19	0 10	17 22	1 0	26 25	2 42	4 26	3 41	26 37		n.a.
T 22	21 0	16 49	2 22	24 1	0 16	10 6	0 43	23 49	4 36	3 15	1 37	19 57	1 23	18 20	0 10	17 22	1 0	26 25	2 42	4 29	3 42	26 36		n.a.
W23	20 48	11 43	1 22	24 8	0 25	9 36	0 39	23 55	4 37	3 16	1 37	19 55	1 24	18 21	0 10	17 21	1 0	26 26	2 42	4 30	3 43	26 34		n.a.
T 24	20 36	6 8	0 18	24 14	0 33	9 7	0 36	24 2	4 38	3 17	1 37	19 53	1 24	18 21	0 10	17 20	1 0	26 26	2 42	4 31	3 45	26 33		n.a.
F 25	20 23	0 15	0n47	24 19	0 41	8 36	0 33	24 8	4 38	3 18	1 38	19 51	1 24	18 22	0 10	17 20	1 0	26 26	2 43	4 30	3 46	26 31		n.a.
S 26	20 10	5n45	1 52	24 23	0 48	8 6	0 29	24 14	4 38	3 19	1 38	19 49	1 24	18 22	0 10	17 19	1 0	26 26	2 43	4 30	3 47	26 30		n.a.
S 27	19 56	11 40	2 53	24 25	0 56	7 36	0 26	24 20	4 39	3 20	1 38	19 47	1 24	18 22	0 10	17 18	1 0	26 26	2 43	4 30	3 48	26 28		n.a.
M28	19 42	17 15	3 47	24 27	1 3	7 5	0 22	24 25	4 39	3 21	1 38	19 46	1 24	18 23	0 10	17 18	1 0	26 26	2 43	4 29	3 50	26 27		n.a.
T 29	19 28	22 10	4 30	24 27	1 9	6 34	0 19	24 31	4 39	3 22	1 39	19 44	1 24	18 23	0 10	17 17	1 0	26 27	2 43	4 30	3 51	26 25		n.a.
W30	19 13	26 1	4 59	24 25	1 16	6 3	0 15	24 36	4 38	3 23	1 39	19 42	1 24	18 24	0 10	17 16	1 0	26 27	2 43	4 31	3 52	26 24		n.a.
T 31	18s58	28n20	5n 9	24s23	1s22	5s32	0s11	24n41	4n38	3n25	1n39	19s40	1s24	18s24	0n10	17s16	1s 0	26s27	2s43	4s33	3s53	26s22		n.a.

Julian Day Number = 1556695.5, Delta T = 04h27m03s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°18'04, Lahiri = -10°11'03 Julian Calendar 1 Jan. 451 BCE == Greg. Calendar 27 Dec. 452 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

FEBRUARY 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 21 20	7♒10'34	2♋53	15♉17	17♓45	0°R44	25°R14	8♒51	22♏15	15♒51	27♐29	18°R33	20♓15	21♉33	n.a.	F 1
S 2	8 25 16	8°10'33	18° 1	16°46	18°55	0♌20	25♍11	8°59	22°17	15°53	27°30	18♓26	20°12	21°40	n.a.	S 2
S 3	8 29 13	9°10'29	3♌17	18°16	20° 5	29♋57	25° 8	9° 6	22°18	15°55	27°32	18°21	20° 9	21°47	n.a.	S 3
M 4	8 33 9	10°10'24	18°29	19°48	21°15	29°34	25° 4	9°13	22°20	15°57	27°33	18°16	20° 6	21°53	n.a.	M 4
T 5	8 37 6	11°10'16	3♍27	21°20	22°24	29°12	25° 1	9°21	22°21	16° 0	27°35	18°14	20° 2	22° 0	n.a.	T 5
W 6	8 41 3	12°10'07	18° 4	22°54	23°34	28°50	24°57	9°28	22°22	16° 2	27°36	18°D13	19°59	22° 7	n.a.	W 6
T 7	8 44 59	13° 9'55	2♎15	24°29	24°43	28°28	24°53	9°36	22°24	16° 4	27°38	18°13	19°56	22°13	n.a.	T 7
F 8	8 48 56	14° 9'42	15°58	26° 5	25°52	28° 7	24°49	9°43	22°25	16° 6	27°39	18°15	19°53	22°20	n.a.	F 8
S 9	8 52 52	15° 9'27	29°13	27°42	27° 1	27°46	24°44	9°51	22°26	16° 9	27°41	18°16	19°50	22°27	n.a.	S 9
S 10	8 56 49	16° 9'10	12♏ 5	29°21	28°10	27°25	24°40	9°58	22°27	16°11	27°42	18°R17	19°47	22°34	n.a.	S 10
M11	9 0 45	17° 8'51	24°36	1♒ 0	29°18	27° 5	24°35	10° 6	22°28	16°13	27°44	18°17	19°43	22°40	n.a.	M11
T 12	9 4 42	18° 8'31	6♐50	2°41	0♈27	26°46	24°30	10°13	22°29	16°16	27°45	18°15	19°40	22°47	n.a.	T 12
W13	9 8 38	19° 8'08	18°53	4°23	1°35	26°27	24°25	10°20	22°30	16°18	27°46	18°13	19°37	22°54	n.a.	W13
T 14	9 12 35	20° 7'44	0♑48	6° 7	2°44	26° 9	24°20	10°28	22°31	16°20	27°48	18° 8	19°34	23° 0	n.a.	T 14
F 15	9 16 32	21° 7'18	12°39	7°51	3°52	25°51	24°15	10°35	22°32	16°22	27°49	18° 4	19°31	23° 7	n.a.	F 15
S 16	9 20 28	22° 6'50	24°29	9°37	4°59	25°34	24°10	10°43	22°33	16°25	27°50	17°59	19°27	23°14	n.a.	S 16
S 17	9 24 25	23° 6'19	6♒21	11°24	6° 7	25°18	24° 4	10°50	22°33	16°27	27°51	17°55	19°24	23°20	n.a.	S 17
M18	9 28 21	24° 5'47	18°16	13°13	7°14	25° 2	23°58	10°57	22°34	16°29	27°53	17°51	19°21	23°27	n.a.	M18
T 19	9 32 18	25° 5'12	0♓16	15° 2	8°22	24°48	23°52	11° 5	22°35	16°31	27°54	17°49	19°18	23°34	n.a.	T 19
W20	9 36 14	26° 4'36	12°24	16°53	9°29	24°34	23°47	11°12	22°35	16°34	27°55	17°D48	19°15	23°41	n.a.	W20
T 21	9 40 11	27° 3'57	24°40	18°45	10°36	24°20	23°40	11°19	22°36	16°36	27°56	17°48	19°12	23°47	n.a.	T 21
F 22	9 44 7	28° 3'15	7♈ 7	20°39	11°42	24° 8	23°34	11°26	22°37	16°38	27°57	17°49	19° 8	23°54	n.a.	F 22
S 23	9 48 4	29° 2'32	19°47	22°34	12°49	23°56	23°28	11°34	22°37	16°40	27°59	17°50	19° 5	24° 1	n.a.	S 23
S 24	9 52 0	0♓ 1'46	2♉42	24°30	13°55	23°45	23°22	11°41	22°37	16°43	28° 0	17°52	19° 2	24° 7	n.a.	S 24
M25	9 55 57	1° 0'57	15°55	26°27	15° 1	23°35	23°15	11°48	22°38	16°45	28° 1	17°53	18°59	24°14	n.a.	M25
T 26	9 59 54	2° 0'07	29°27	28°26	16° 7	23°25	23° 8	11°55	22°38	16°47	28° 2	17°R53	18°56	24°21	n.a.	T 26
W27	10 3 50	2°59'13	13♊20	0♓25	17°12	23°17	23° 2	12° 2	22°38	16°49	28° 3	17°53	18°53	24°27	n.a.	W27
T 28	10 7 47	3♓58'18	27♊33	2♓26	18♈17	23♋ 9	22♍55	12♒10	22♏38	16♒51	28♐ 4	17♓52	18♓49	24♉34	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s43	28n43	5n 0	24s19	1s27	5s 1	0s 8	24n46	4n38	3n26	1n40	19s38	1s24	18s25	0n10	17s15	1s 0	26s27	2s43	4s35	3s55	26s21		n.a.
S 2	18 28	26 58	4 29	24 13	1 33	4 30	0 4	24 51	4 37	3 28	1 40	19 36	1 24	18 25	0 10	17 14	1 0	26 27	2 44	4 38	3 56	26 19		n.a.
S 3	18 12	23 14	3 40	24 6	1 38	3 59	0 0	24 56	4 37	3 29	1 40	19 34	1 24	18 25	0 10	17 14	1 0	26 27	2 44	4 40	3 57	26 17		n.a.
M 4	17 55	17 56	2 35	23 58	1 43	3 27	0n 4	25 0	4 36	3 31	1 40	19 32	1 24	18 26	0 10	17 13	1 0	26 28	2 44	4 42	3 58	26 16		n.a.
T 5	17 39	11 36	1 20	23 48	1 47	2 56	0 8	25 4	4 35	3 32	1 41	19 30	1 24	18 26	0 10	17 12	1 0	26 28	2 44	4 43	4 0	26 14		n.a.
W 6	17 22	4 47	0 1	23 36	1 51	2 25	0 12	25 8	4 34	3 34	1 41	19 28	1 24	18 27	0 10	17 12	1 0	26 28	2 44	4 43	4 1	26 13		n.a.
T 7	17 5	2s 4	1s16	23 23	1 54	1 53	0 16	25 12	4 33	3 36	1 41	19 26	1 24	18 27	0 10	17 11	1 0	26 28	2 44	4 43	4 2	26 11		n.a.
F 8	16 48	8 36	2 26	23 8	1 58	1 22	0 20	25 15	4 32	3 38	1 41	19 24	1 24	18 27	0 10	17 10	1 0	26 28	2 44	4 42	4 3	26 9		n.a.
S 9	16 30	14 32	3 25	22 51	2 0	0 50	0 24	25 18	4 31	3 40	1 41	19 22	1 25	18 27	0 10	17 10	1 0	26 28	2 45	4 42	4 5	26 8		n.a.
S 10	16 12	19 39	4 13	22 33	2 3	0 18	0 28	25 21	4 30	3 42	1 42	19 20	1 25	18 28	0 10	17 9	1 0	26 29	2 45	4 41	4 6	26 6		n.a.
M11	15 54	23 47	4 46	22 13	2 5	0n13	0 33	25 24	4 29	3 44	1 42	19 18	1 25	18 28	0 10	17 8	1 0	26 29	2 45	4 41	4 7	26 5		n.a.
T 12	15 35	26 46	5 6	21 52	2 6	0 45	0 37	25 27	4 27	3 46	1 42	19 16	1 25	18 28	0 10	17 7	1 0	26 29	2 45	4 42	4 9	26 3		n.a.
W13	15 17	28 28	5 13	21 28	2 7	1 16	0 41	25 29	4 26	3 48	1 42	19 14	1 25	18 29	0 10	17 7	1 0	26 29	2 45	4 43	4 10	26 1		n.a.
T 14	14 58	28 50	5 5	21 3	2 8	1 47	0 45	25 31	4 24	3 51	1 42	19 12	1 25	18 29	0 10	17 6	1 0	26 29	2 45	4 45	4 11	26 0		n.a.
F 15	14 39	27 52	4 45	20 36	2 8	2 19	0 50	25 33	4 22	3 53	1 43	19 10	1 25	18 29	0 10	17 5	1 0	26 29	2 45	4 47	4 12	25 58		n.a.
S 16	14 19	25 38	4 12	20 7	2 8	2 50	0 54	25 34	4 21	3 55	1 43	19 8	1 25	18 29	0 10	17 5	1 0	26 30	2 46	4 49	4 14	25 56		n.a.
S 17	14 0	22 17	3 28	19 37	2 7	3 21	0 58	25 36	4 19	3 58	1 43	19 6	1 25	18 29	0 10	17 4	1 0	26 30	2 46	4 50	4 15	25 55		n.a.
M18	13 40	18 1	2 35	19 5	2 6	3 52	1 3	25 37	4 17	4 0	1 43	19 4	1 25	18 30	0 10	17 3	1 0	26 30	2 46	4 52	4 16	25 53		n.a.
T 19	13 20	13 0	1 35	18 31	2 4	4 23	1 7	25 38	4 15	4 3	1 43	19 3	1 25	18 30	0 10	17 3	1 0	26 30	2 46	4 53	4 17	25 51		n.a.
W20	12 59	7 27	0 30	17 55	2 2	4 54	1 12	25 38	4 13	4 5	1 44	19 1	1 25	18 30	0 10	17 2	1 0	26 30	2 46	4 53	4 19	25 50		n.a.
T 21	12 39	1 34	0n38	17 17	1 59	5 25	1 16	25 39	4 11	4 8	1 44	18 59	1 26	18 30	0 10	17 1	1 0	26 30	2 46	4 53	4 20	25 48		n.a.
F 22	12 18	4n28	1 45	16 37	1 56	5 55	1 21	25 39	4 9	4 10	1 44	18 57	1 26	18 30	0 10	17 1	1 0	26 31	2 47	4 53	4 21	25 46		n.a.
S 23	11 57	10 25	2 47	15 56	1 52	6 26	1 25	25 39	4 7	4 13	1 44	18 55	1 26	18 30	0 10	17 0	1 0	26 31	2 47	4 52	4 22	25 45		n.a.
S 24	11 36	16 3	3 43	15 13	1 47	6 56	1 30	25 39	4 5	4 16	1 44	18 53	1 26	18 30	0 10	16 59	1 0	26 31	2 47	4 52	4 24	25 43		n.a.
M25	11 15	21 5	4 28	14 28	1 43	7 26	1 34	25 39	4 3	4 18	1 44	18 51	1 26	18 31	0 10	16 59	1 0	26 31	2 47	4 51	4 25	25 41		n.a.
T 26	10 54	25 10	5 0	13 41	1 37	7 56	1 39	25 38	4 0	4 21	1 45	18 49	1 26	18 31	0 10	16 58	1 0	26 31	2 47	4 51	4 26	25 39		n.a.
W27	10 32	27 54	5 15	12 53	1 31	8 26	1 43	25 37	3 58	4 24	1 45	18 47	1 26	18 31	0 10	16 57	1 0	26 32	2 47	4 51	4 27	25 38		n.a.
T 28	10s11	28n55	5n12	12s 3	1s24	8n55	1n48	25n37	3n56	4n27	1n45	18s45	1s26	18s31	0n10	16s57	1s 0	26s32	2s47	4s51	4s29	25s36		n.a.

Julian Day Number = 1556726.5, Delta T = 04h27m01s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'59, Lahiri = -10°10'59 Julian Calendar 1 Feb. 451 BCE == Greg. Calendar 27 Jan. 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

MARCH 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 11 43	4♓57'20	12♋ 5	4♓28	19♈22	23°R 2	22°R48	12♒17	22♏39	16♒54	28♐ 5	17°R51	18♓46	24♉41	n.a.	F 1
S 2	10 15 40	5°56'19	26°51	6°31	20°27	22♋55	22♍41	12°24	22°39	16°56	28° 6	17♓49	18°43	24°48	n.a.	S 2
S 3	10 19 36	6°55'17	11♌45	8°34	21°32	22°50	22°34	12°31	22°R39	16°58	28° 7	17°48	18°40	24°54	n.a.	S 3
M 4	10 23 33	7°54'11	26°40	10°38	22°36	22°45	22°27	12°38	22°39	17° 0	28° 8	17°47	18°37	25° 1	n.a.	M 4
T 5	10 27 29	8°53'04	11♍27	12°43	23°40	22°41	22°19	12°45	22°39	17° 2	28° 9	17°D47	18°33	25° 8	n.a.	T 5
W 6	10 31 26	9°51'54	26° 0	14°47	24°43	22°38	22°12	12°52	22°38	17° 4	28° 9	17°47	18°30	25°14	n.a.	W 6
T 7	10 35 23	10°50'43	10♎12	16°52	25°47	22°36	22° 5	12°59	22°38	17° 7	28°10	17°47	18°27	25°21	n.a.	T 7
F 8	10 39 19	11°49'29	23°59	18°57	26°50	22°34	21°57	13° 5	22°38	17° 9	28°11	17°47	18°24	25°28	n.a.	F 8
S 9	10 43 16	12°48'14	7♏22	21° 1	27°52	22°33	21°50	13°12	22°38	17°11	28°12	17°48	18°21	25°34	n.a.	S 9
S 10	10 47 12	13°46'56	20°20	23° 4	28°55	22°D33	21°42	13°19	22°37	17°13	28°13	17°48	18°18	25°41	n.a.	S 10
M11	10 51 9	14°45'37	2♐56	25° 6	29°57	22°34	21°35	13°26	22°37	17°15	28°13	17°49	18°14	25°48	n.a.	M11
T 12	10 55 5	15°44'17	15°14	27° 6	0♑59	22°35	21°27	13°33	22°37	17°17	28°14	17°R49	18°11	25°55	n.a.	T 12
W13	10 59 2	16°42'54	27°19	29° 4	2° 0	22°37	21°20	13°39	22°36	17°19	28°15	17°49	18° 8	26° 1	n.a.	W13
T 14	11 2 58	17°41'30	9♉14	1♈ 1	3° 1	22°40	21°12	13°46	22°36	17°21	28°15	17°D49	18° 5	26° 8	n.a.	T 14
F 15	11 6 55	18°40'04	21° 5	2°54	4° 2	22°43	21° 4	13°53	22°35	17°23	28°16	17°49	18° 2	26°15	n.a.	F 15
S 16	11 10 52	19°38'36	2♒56	4°45	5° 2	22°48	20°57	13°59	22°34	17°25	28°16	17°49	17°59	26°21	n.a.	S 16
S 17	11 14 48	20°37'06	14°49	6°33	6° 2	22°53	20°49	14° 6	22°34	17°27	28°17	17°49	17°55	26°28	n.a.	S 17
M18	11 18 45	21°35'34	26°49	8°17	7° 1	22°58	20°41	14°12	22°33	17°29	28°17	17°50	17°52	26°35	n.a.	M18
T 19	11 22 41	22°34'00	8♓59	9°57	8° 0	23° 4	20°34	14°19	22°32	17°31	28°18	17°50	17°49	26°41	n.a.	T 19
W20	11 26 38	23°32'25	21°19	11°33	8°59	23°11	20°26	14°25	22°31	17°33	28°18	17°R50	17°46	26°48	n.a.	W20
T 21	11 30 34	24°30'47	3♈52	13° 6	9°57	23°19	20°18	14°31	22°30	17°35	28°19	17°50	17°43	26°55	n.a.	T 21
F 22	11 34 31	25°29'08	16°39	14°34	10°55	23°27	20°11	14°38	22°30	17°37	28°19	17°49	17°39	27° 1	n.a.	F 22
S 23	11 38 27	26°27'26	29°39	15°57	11°52	23°36	20° 3	14°44	22°29	17°39	28°20	17°48	17°36	27° 8	n.a.	S 23
S 24	11 42 24	27°25'43	12♉53	17°16	12°49	23°45	19°55	14°50	22°28	17°40	28°20	17°47	17°33	27°15	n.a.	S 24
M25	11 46 20	28°23'57	26°21	18°31	13°45	23°55	19°48	14°56	22°27	17°42	28°20	17°46	17°30	27°22	n.a.	M25
T 26	11 50 17	29°22'09	10♊ 3	19°40	14°41	24° 6	19°40	15° 2	22°25	17°44	28°21	17°45	17°27	27°28	n.a.	T 26
W27	11 54 14	0♈20'20	23°58	20°45	15°36	24°17	19°33	15° 8	22°24	17°46	28°21	17°D44	17°24	27°35	n.a.	W27
T 28	11 58 10	1°18'28	8♋ 4	21°44	16°31	24°28	19°25	15°14	22°23	17°48	28°21	17°44	17°20	27°42	n.a.	T 28
F 29	12 2 7	2°16'34	22°20	22°39	17°25	24°41	19°18	15°20	22°22	17°49	28°21	17°45	17°17	27°48	n.a.	F 29
S 30	12 6 3	3°14'38	6♌44	23°29	18°18	24°54	19°11	15°26	22°21	17°51	28°22	17°46	17°14	27°55	n.a.	S 30
S 31	12 10 0	4♈12'39	21♌12	24♈13	19♉11	25♋ 7	19♍ 3	15♒32	22♏19	17♒53	28♐22	17♓47	17♓11	28♉ 2	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s49	27n59	4n48	11s12	1s17	9n24	1n52	25n35	3n53	4n30	1n45	18s43	1s26	18s31	0n10	16s56	1s 0	26s32	2s48	4s52	4s30	25s34		n.a.
S 2	9 27	25 5	4 6	10 19	1 9	9 53	1 57	25 34	3 51	4 33	1 45	18 41	1 27	18 31	0 10	16 55	1 0	26 32	2 48	4 52	4 31	25 32		n.a.
S 3	9 5	20 28	3 7	9 24	1 1	10 22	2 1	25 33	3 49	4 36	1 45	18 39	1 27	18 31	0 10	16 55	1 0	26 32	2 48	4 53	4 32	25 31		n.a.
M 4	8 43	14 34	1 54	8 29	0 52	10 51	2 6	25 31	3 46	4 39	1 45	18 37	1 27	18 31	0 10	16 54	1 0	26 32	2 48	4 53	4 34	25 29		n.a.
T 5	8 21	7 54	0 35	7 32	0 43	11 19	2 10	25 30	3 44	4 42	1 45	18 36	1 27	18 31	0 10	16 53	1 0	26 33	2 48	4 54	4 35	25 27		n.a.
W 6	7 58	0 55	0s45	6 35	0 33	11 47	2 15	25 28	3 42	4 45	1 45	18 34	1 27	18 31	0 10	16 53	1 0	26 33	2 48	4 54	4 36	25 25		n.a.
T 7	7 36	5s56	2 1	5 36	0 23	12 15	2 19	25 26	3 39	4 48	1 45	18 32	1 27	18 31	0 10	16 52	1 1	26 33	2 49	4 53	4 38	25 23		n.a.
F 8	7 13	12 19	3 8	4 37	0 13	12 42	2 23	25 24	3 37	4 51	1 45	18 30	1 27	18 31	0 10	16 52	1 1	26 33	2 49	4 53	4 39	25 22		n.a.
S 9	6 50	17 57	4 2	3 38	0 2	13 9	2 28	25 22	3 35	4 54	1 46	18 28	1 27	18 31	0 10	16 51	1 1	26 33	2 49	4 53	4 40	25 20		n.a.
S 10	6 28	22 34	4 42	2 39	0n 9	13 36	2 32	25 19	3 32	4 57	1 46	18 26	1 28	18 30	0 10	16 50	1 1	26 33	2 49	4 53	4 41	25 18		n.a.
M11	6 5	26 2	5 7	1 39	0 21	14 2	2 36	25 17	3 30	5 0	1 46	18 24	1 28	18 30	0 10	16 50	1 1	26 34	2 49	4 53	4 43	25 16		n.a.
T 12	5 42	28 10	5 17	0 41	0 32	14 28	2 41	25 14	3 27	5 3	1 46	18 22	1 28	18 30	0 10	16 49	1 1	26 34	2 49	4 53	4 44	25 14		n.a.
W13	5 19	28 56	5 13	0n18	0 44	14 54	2 45	25 12	3 25	5 6	1 46	18 21	1 28	18 30	0 10	16 48	1 1	26 34	2 50	4 53	4 45	25 13		n.a.
T 14	4 56	28 20	4 55	1 15	0 55	15 19	2 49	25 9	3 23	5 9	1 46	18 19	1 28	18 30	0 10	16 48	1 1	26 34	2 50	4 53	4 46	25 11		n.a.
F 15	4 32	26 27	4 25	2 11	1 7	15 44	2 53	25 6	3 20	5 12	1 46	18 17	1 28	18 30	0 10	16 47	1 1	26 34	2 50	4 53	4 48	25 9		n.a.
S 16	4 9	23 23	3 44	3 6	1 18	16 9	2 57	25 3	3 18	5 15	1 46	18 15	1 28	18 30	0 10	16 47	1 1	26 34	2 50	4 53	4 49	25 7		n.a.
S 17	3 46	19 21	2 53	3 59	1 29	16 33	3 1	25 0	3 16	5 18	1 46	18 13	1 28	18 30	0 10	16 46	1 1	26 35	2 50	4 53	4 50	25 5		n.a.
M18	3 23	14 31	1 54	4 50	1 39	16 57	3 5	24 56	3 13	5 21	1 46	18 12	1 29	18 29	0 10	16 46	1 1	26 35	2 50	4 52	4 51	25 3		n.a.
T 19	2 59	9 4	0 49	5 40	1 49	17 20	3 9	24 53	3 11	5 24	1 46	18 10	1 29	18 29	0 10	16 45	1 1	26 35	2 51	4 52	4 53	25 1		n.a.
W20	2 36	3 11	0n19	6 27	1 59	17 43	3 13	24 50	3 9	5 27	1 46	18 8	1 29	18 29	0 10	16 44	1 1	26 35	2 51	4 52	4 54	25 0		n.a.
T 21	2 12	2n54	1 28	7 12	2 8	18 6	3 17	24 46	3 6	5 30	1 46	18 6	1 29	18 29	0 10	16 44	1 1	26 35	2 51	4 52	4 55	24 58		n.a.
F 22	1 49	8 58	2 33	7 54	2 17	18 28	3 21	24 42	3 4	5 33	1 46	18 5	1 29	18 28	0 10	16 43	1 1	26 36	2 51	4 53	4 56	24 56		n.a.
S 23	1 26	14 47	3 31	8 34	2 24	18 50	3 24	24 39	3 2	5 36	1 46	18 3	1 29	18 28	0 10	16 43	1 1	26 36	2 51	4 53	4 58	24 54		n.a.
S 24	1 2	20 2	4 20	9 12	2 31	19 11	3 28	24 35	2 59	5 39	1 46	18 1	1 30	18 28	0 10	16 42	1 1	26 36	2 51	4 53	4 59	24 52		n.a.
M25	0 39	24 22	4 55	9 46	2 38	19 32	3 31	24 31	2 57	5 42	1 45	18 0	1 30	18 28	0 10	16 42	1 1	26 36	2 52	4 54	5 0	24 50		n.a.
T 26	0 15	27 25	5 13	10 18	2 43	19 52	3 35	24 27	2 55	5 45	1 45	17 58	1 30	18 27	0 10	16 41	1 1	26 36	2 52	4 54	5 1	24 48		n.a.
W27	0n 8	28 51	5 14	10 47	2 48	20 12	3 38	24 22	2 53	5 48	1 45	17 56	1 30	18 27	0 10	16 41	1 1	26 36	2 52	4 55	5 3	24 46		n.a.
T 28	0 32	28 26	4 57	11 13	2 51	20 31	3 41	24 18	2 51	5 51	1 45	17 55	1 30	18 27	0 10	16 40	1 1	26 37	2 52	4 55	5 4	24 44		n.a.
F 29	0 55	26 9	4 21	11 36	2 54	20 50	3 44	24 14	2 48	5 54	1 45	17 53	1 30	18 26	0 10	16 40	1 1	26 37	2 52	4 54	5 5	24 42		n.a.
S 30	1 18	22 11	3 28	11 57	2 56	21 8	3 47	24 9	2 46	5 57	1 45	17 52	1 31	18 26	0 10	16 39	1 1	26 37	2 52	4 54	5 6	24 40		n.a.
S 31	1n42	16n51	2n22	12n14	2n56	21n26	3n50	24n 5	2n44	5n59	1n45	17s50	1s31	18s26	0n10	16s38	1s 1	26s37	2s53	4s53	5s 8	24s38		n.a.

Julian Day Number = 1556754.5, Delta T = 04h27m00s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'56, Lahiri = -10°10'55 Julian Calendar 1 March 451 BCE == Greg. Calendar 24 Feb. 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

APRIL 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 13 56	5♈10'39	5♍41	24♈52	20♉ 3	25♋21	18°R56	15♒37	22°R18	17♒55	28♐22	17♓48	17♓ 8	28♉ 8	n.a.	M 1
T 2	12 17 53	6° 8'37	20° 4	25°26	20°55	25°35	18♍49	15°43	22♏16	17°56	28°22	17°R48	17° 4	28°15	n.a.	T 2
W 3	12 21 49	7° 6'32	4♎17	25°55	21°46	25°50	18°42	15°49	22°15	17°58	28°22	17°47	17° 1	28°22	n.a.	W 3
T 4	12 25 46	8° 4'27	18°16	26°18	22°36	26° 5	18°35	15°54	22°13	18° 0	28°22	17°46	16°58	28°28	n.a.	T 4
F 5	12 29 43	9° 2'19	1♏56	26°36	23°25	26°21	18°29	16° 0	22°12	18° 1	28°R22	17°43	16°55	28°35	n.a.	F 5
S 6	12 33 39	10° 0'10	15°16	26°49	24°14	26°38	18°22	16° 5	22°10	18° 3	28°22	17°40	16°52	28°42	n.a.	S 6
S 7	12 37 36	10°58'00	28°15	26°57	25° 2	26°54	18°15	16°10	22° 9	18° 4	28°22	17°37	16°49	28°48	n.a.	S 7
M 8	12 41 32	11°55'49	10♐54	26°R59	25°49	27°12	18° 9	16°16	22° 7	18° 6	28°22	17°33	16°45	28°55	n.a.	M 8
T 9	12 45 29	12°53'36	23°14	26°57	26°35	27°29	18° 2	16°21	22° 5	18° 7	28°22	17°31	16°42	29° 2	n.a.	T 9
W10	12 49 25	13°51'21	5♑21	26°49	27°20	27°47	17°56	16°26	22° 4	18° 9	28°22	17°30	16°39	29° 9	n.a.	W10
T 11	12 53 22	14°49'06	17°18	26°37	28° 4	28° 6	17°50	16°31	22° 2	18°10	28°22	17°D29	16°36	29°15	n.a.	T 11
F 12	12 57 18	15°46'49	29° 9	26°21	28°48	28°25	17°44	16°36	22° 0	18°12	28°21	17°30	16°33	29°22	n.a.	F 12
S 13	13 1 15	16°44'31	11♒ 0	26° 1	29°30	28°44	17°38	16°41	21°58	18°13	28°21	17°31	16°30	29°29	n.a.	S 13
S 14	13 5 12	17°42'12	22°56	25°37	0♊12	29° 4	17°32	16°46	21°57	18°14	28°21	17°33	16°26	29°35	n.a.	S 14
M15	13 9 8	18°39'51	5♓ 0	25°11	0°52	29°24	17°26	16°51	21°55	18°16	28°21	17°35	16°23	29°42	n.a.	M15
T 16	13 13 5	19°37'29	17°18	24°41	1°31	29°44	17°20	16°55	21°53	18°17	28°20	17°R35	16°20	29°49	n.a.	T 16
W17	13 17 1	20°35'06	29°50	24° 9	2° 9	0♌ 5	17°15	17° 0	21°51	18°18	28°20	17°35	16°17	29°55	n.a.	W17
T 18	13 20 58	21°32'42	12♈40	23°36	2°46	0°27	17°10	17° 5	21°49	18°20	28°20	17°32	16°14	0♒ 2	n.a.	T 18
F 19	13 24 54	22°30'16	25°48	23° 2	3°22	0°48	17° 5	17° 9	21°47	18°21	28°19	17°28	16°10	0° 9	n.a.	F 19
S 20	13 28 51	23°27'50	9♉12	22°27	3°56	1°10	16°59	17°14	21°45	18°22	28°19	17°23	16° 7	0°15	n.a.	S 20
S 21	13 32 47	24°25'21	22°52	21°53	4°29	1°33	16°55	17°18	21°43	18°23	28°19	17°18	16° 4	0°22	n.a.	S 21
M22	13 36 44	25°22'52	6♊45	21°19	5° 1	1°55	16°50	17°22	21°41	18°24	28°18	17°12	16° 1	0°29	n.a.	M22
T 23	13 40 40	26°20'21	20°46	20°47	5°31	2°18	16°45	17°26	21°38	18°26	28°18	17° 7	15°58	0°35	n.a.	T 23
W24	13 44 37	27°17'49	4♋54	20°17	6° 0	2°42	16°41	17°30	21°36	18°27	28°17	17° 3	15°55	0°42	n.a.	W24
T 25	13 48 34	28°15'15	19° 4	19°49	6°27	3° 5	16°37	17°35	21°34	18°28	28°17	17° 1	15°51	0°49	n.a.	T 25
F 26	13 52 30	29°12'40	3♌15	19°24	6°53	3°29	16°33	17°38	21°32	18°29	28°16	17°D 1	15°48	0°56	n.a.	F 26
S 27	13 56 27	0♉10'04	17°25	19° 2	7°16	3°54	16°29	17°42	21°30	18°30	28°15	17° 2	15°45	1° 2	n.a.	S 27
S 28	14 0 23	1° 7'26	1♍33	18°44	7°39	4°18	16°25	17°46	21°28	18°31	28°15	17° 3	15°42	1° 9	n.a.	S 28
M29	14 4 20	2° 4'46	15°35	18°29	7°59	4°43	16°21	17°50	21°25	18°32	28°14	17°R 4	15°39	1°16	n.a.	M29
T 30	14 8 16	3♉ 2'06	29♍32	18♈19	8♊17	5♌ 8	16♍18	17♒53	21♏23	18♒33	28♐14	17♓ 3	15♓35	1♒22	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n 5	10n35	1n 6	12n28	2n56	21n43	3n53	24n 0	2n42	6n 2	1n45	17s48	1s31	18s25	0n10	16s38	1s 1	26s37	2s53	4s53	5s 9	24s36		n.a.
T 2	2 28	3 48	0s13	12 40	2 54	22 0	3 56	23 55	2 40	6 5	1 45	17 47	1 31	18 25	0 10	16 38	1 1	26 37	2 53	4 53	5 10	24 35		n.a.
W 3	2 51	3s 6	1 30	12 48	2 52	22 16	3 58	23 50	2 38	6 8	1 45	17 45	1 31	18 25	0 10	16 37	1 1	26 38	2 53	4 53	5 11	24 33		n.a.
T 4	3 15	9 43	2 40	12 53	2 48	22 32	4 0	23 45	2 36	6 10	1 44	17 44	1 31	18 24	0 10	16 37	1 1	26 38	2 53	4 54	5 13	24 31		n.a.
F 5	3 38	15 44	3 40	12 55	2 43	22 47	4 3	23 40	2 34	6 13	1 44	17 42	1 32	18 24	0 10	16 36	1 1	26 38	2 53	4 55	5 14	24 29		n.a.
S 6	4 1	20 51	4 26	12 54	2 37	23 1	4 5	23 35	2 32	6 15	1 44	17 41	1 32	18 24	0 10	16 36	1 1	26 38	2 54	4 56	5 15	24 27		n.a.
S 7	4 24	24 50	4 56	12 50	2 29	23 15	4 7	23 30	2 30	6 18	1 44	17 39	1 32	18 23	0 10	16 35	1 1	26 38	2 54	4 57	5 16	24 25		n.a.
M 8	4 47	27 31	5 12	12 43	2 21	23 29	4 9	23 24	2 28	6 20	1 44	17 38	1 32	18 23	0 10	16 35	1 1	26 38	2 54	4 59	5 18	24 23		n.a.
T 9	5 9	28 47	5 12	12 33	2 11	23 42	4 10	23 19	2 26	6 23	1 44	17 37	1 32	18 22	0 10	16 34	1 2	26 39	2 54	5 0	5 19	24 21		n.a.
W10	5 32	28 37	4 59	12 20	2 0	23 54	4 12	23 13	2 24	6 25	1 44	17 35	1 33	18 22	0 10	16 34	1 2	26 39	2 54	5 0	5 20	24 19		n.a.
T 11	5 55	27 7	4 33	12 5	1 48	24 6	4 13	23 7	2 22	6 27	1 43	17 34	1 33	18 21	0 10	16 33	1 2	26 39	2 54	5 0	5 21	24 17		n.a.
F 12	6 17	24 25	3 55	11 47	1 36	24 17	4 14	23 2	2 20	6 30	1 43	17 32	1 33	18 21	0 10	16 33	1 2	26 39	2 55	5 0	5 23	24 15		n.a.
S 13	6 40	20 41	3 7	11 27	1 22	24 27	4 15	22 56	2 18	6 32	1 43	17 31	1 33	18 20	0 10	16 33	1 2	26 39	2 55	5 0	5 24	24 12		n.a.
S 14	7 2	16 7	2 11	11 4	1 7	24 37	4 16	22 50	2 16	6 34	1 43	17 30	1 33	18 20	0 10	16 32	1 2	26 39	2 55	4 59	5 25	24 10		n.a.
M15	7 24	10 51	1 8	10 40	0 52	24 47	4 17	22 44	2 14	6 36	1 43	17 29	1 34	18 19	0 10	16 32	1 2	26 40	2 55	4 58	5 26	24 8		n.a.
T 16	7 46	5 6	0 2	10 14	0 35	24 55	4 17	22 37	2 12	6 38	1 42	17 27	1 34	18 19	0 10	16 32	1 2	26 40	2 55	4 58	5 28	24 6		n.a.
W17	8 8	0n57	1n 6	9 47	0 19	25 4	4 17	22 31	2 10	6 40	1 42	17 26	1 34	18 18	0 10	16 31	1 2	26 40	2 55	4 58	5 29	24 4		n.a.
T 18	8 30	7 6	2 13	9 19	0 2	25 11	4 17	22 25	2 9	6 42	1 42	17 25	1 34	18 18	0 10	16 31	1 2	26 40	2 56	4 59	5 30	24 2		n.a.
F 19	8 52	13 5	3 13	8 50	0s15	25 18	4 17	22 18	2 7	6 44	1 42	17 24	1 34	18 17	0 10	16 30	1 2	26 40	2 56	5 1	5 31	24 0		n.a.
S 20	9 14	18 36	4 4	8 21	0 32	25 24	4 16	22 11	2 5	6 45	1 42	17 22	1 35	18 17	0 10	16 30	1 2	26 40	2 56	5 3	5 33	23 58		n.a.
S 21	9 35	23 17	4 43	7 52	0 49	25 30	4 16	22 5	2 3	6 47	1 41	17 21	1 35	18 16	0 10	16 30	1 2	26 41	2 56	5 5	5 34	23 56		n.a.
M22	9 57	26 43	5 5	7 24	1 6	25 35	4 14	21 58	2 1	6 49	1 41	17 20	1 35	18 16	0 10	16 29	1 2	26 41	2 56	5 7	5 35	23 54		n.a.
T 23	10 18	28 34	5 9	6 57	1 23	25 39	4 13	21 51	2 0	6 50	1 41	17 19	1 35	18 15	0 10	16 29	1 2	26 41	2 56	5 9	5 36	23 52		n.a.
W24	10 39	28 35	4 55	6 31	1 38	25 43	4 12	21 44	1 58	6 52	1 41	17 18	1 35	18 15	0 10	16 29	1 2	26 41	2 57	5 11	5 38	23 50		n.a.
T 25	11 0	26 43	4 23	6 6	1 54	25 46	4 10	21 36	1 56	6 53	1 40	17 17	1 36	18 14	0 10	16 29	1 2	26 41	2 57	5 11	5 39	23 48		n.a.
F 26	11 20	23 10	3 35	5 43	2 8	25 48	4 7	21 29	1 55	6 55	1 40	17 16	1 36	18 14	0 10	16 28	1 2	26 41	2 57	5 11	5 40	23 45		n.a.
S 27	11 41	18 15	2 34	5 22	2 21	25 50	4 5	21 22	1 53	6 56	1 40	17 15	1 36	18 13	0 10	16 28	1 2	26 42	2 57	5 11	5 41	23 43		n.a.
S 28	12 1	12 21	1 23	5 4	2 34	25 51	4 2	21 14	1 51	6 57	1 40	17 14	1 36	18 12	0 10	16 28	1 2	26 42	2 57	5 11	5 43	23 41		n.a.
M29	12 21	5 52	0 8	4 48	2 45	25 51	3 59	21 6	1 50	6 59	1 39	17 13	1 37	18 12	0 10	16 27	1 2	26 42	2 57	5 10	5 44	23 39		n.a.
T 30	12n41	0s50	1s 7	4n34	2s56	25n51	3n55	20n58	1n48	7n 0	1n39	17s12	1s37	18s11	0n10	16s27	1s 2	26s42	2s58	5s11	5s45	23s37		n.a.

Julian Day Number = 1556785.5, Delta T = 04h26m59s
Ecliptic obliquity = 23°45'09, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'51, Lahiri = -10°10'51 Julian Calendar 1 Apr. 451 BCE == Greg. Calendar 27 March 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

MAY 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 12 13	3♉59'24	13♎20	18°R13	8♊34	5♌34	16°R15	17♒57	21°R21	18♒33	28°R13	17°R 1	15♓32	1♒29	n.a.	W 1
T 2	14 16 10	4°56'41	26°57	18°D11	8°49	6° 0	16♍11	18° 0	21♏18	18°34	28♐12	16♓56	15°29	1°36	n.a.	T 2
F 3	14 20 6	5°53'57	10♏20	18♈14	9° 1	6°26	16° 9	18° 4	21°16	18°35	28°11	16°49	15°26	1°42	n.a.	F 3
S 4	14 24 3	6°51'13	23°27	18°21	9°12	6°52	16° 6	18° 7	21°14	18°36	28°11	16°41	15°23	1°49	n.a.	S 4
S 5	14 27 59	7°48'28	6♐18	18°33	9°20	7°18	16° 3	18°10	21°11	18°37	28°10	16°32	15°20	1°56	n.a.	S 5
M 6	14 31 56	8°45'42	18°52	18°49	9°26	7°45	16° 1	18°13	21° 9	18°37	28° 9	16°24	15°16	2° 2	n.a.	M 6
T 7	14 35 52	9°42'55	1♑11	19°10	9°30	8°12	15°59	18°16	21° 7	18°38	28° 8	16°16	15°13	2° 9	n.a.	T 7
W 8	14 39 49	10°40'08	13°16	19°35	9°R32	8°39	15°57	18°19	21° 4	18°39	28° 7	16°11	15°10	2°16	n.a.	W 8
T 9	14 43 45	11°37'21	25°12	20° 4	9°31	9° 7	15°55	18°22	21° 2	18°39	28° 7	16° 7	15° 7	2°22	n.a.	T 9
F 10	14 47 42	12°34'33	7♒ 3	20°38	9°28	9°35	15°53	18°25	20°59	18°40	28° 6	16° 5	15° 4	2°29	n.a.	F 10
S 11	14 51 39	13°31'44	18°54	21°16	9°23	10° 3	15°51	18°27	20°57	18°41	28° 5	16°D 5	15° 1	2°36	n.a.	S 11
S 12	14 55 35	14°28'56	0♓50	21°58	9°15	10°31	15°50	18°30	20°55	18°41	28° 4	16° 6	14°57	2°42	n.a.	S 12
M13	14 59 32	15°26'06	12°57	22°44	9° 5	11° 0	15°49	18°32	20°52	18°42	28° 3	16°R 7	14°54	2°49	n.a.	M13
T 14	15 3 28	16°23'17	25°18	23°34	8°53	11°28	15°48	18°34	20°50	18°42	28° 2	16° 6	14°51	2°56	n.a.	T 14
W15	15 7 25	17°20'27	7♈58	24°28	8°38	11°57	15°47	18°37	20°47	18°42	28° 1	16° 4	14°48	3° 3	n.a.	W15
T 16	15 11 21	18°17'37	21° 1	25°25	8°21	12°26	15°47	18°39	20°45	18°43	28° 0	16° 0	14°45	3° 9	n.a.	T 16
F 17	15 15 18	19°14'47	4♉26	26°27	8° 1	12°56	15°46	18°41	20°42	18°43	27°59	15°53	14°41	3°16	n.a.	F 17
S 18	15 19 14	20°11'56	18°13	27°32	7°39	13°25	15°46	18°43	20°40	18°44	27°58	15°44	14°38	3°23	n.a.	S 18
S 19	15 23 11	21° 9'05	2♊18	28°40	7°15	13°55	15°D46	18°45	20°37	18°44	27°57	15°34	14°35	3°29	n.a.	S 19
M20	15 27 8	22° 6'14	16°38	29°53	6°50	14°25	15°46	18°46	20°35	18°44	27°56	15°24	14°32	3°36	n.a.	M20
T 21	15 31 4	23° 3'22	1♋ 5	1♉ 8	6°22	14°55	15°46	18°48	20°33	18°44	27°55	15°15	14°29	3°43	n.a.	T 21
W22	15 35 1	24° 0'30	15°33	2°27	5°52	15°26	15°47	18°50	20°30	18°45	27°54	15° 8	14°26	3°49	n.a.	W22
T 23	15 38 57	24°57'37	29°58	3°50	5°21	15°56	15°47	18°51	20°28	18°45	27°53	15° 4	14°22	3°56	n.a.	T 23
F 24	15 42 54	25°54'43	14♌15	5°16	4°48	16°27	15°48	18°52	20°25	18°45	27°51	15° 2	14°19	4° 3	n.a.	F 24
S 25	15 46 50	26°51'49	28°22	6°45	4°14	16°58	15°49	18°54	20°23	18°45	27°50	15°D 1	14°16	4° 9	n.a.	S 25
S 26	15 50 47	27°48'55	12♍19	8°18	3°38	17°30	15°50	18°55	20°20	18°45	27°49	15°R 1	14°13	4°16	n.a.	S 26
M27	15 54 44	28°46'00	26° 4	9°54	3° 2	18° 1	15°52	18°56	20°18	18°45	27°48	15° 1	14°10	4°23	n.a.	M27
T 28	15 58 40	29°43'05	9♎39	11°33	2°25	18°32	15°53	18°57	20°16	18°R45	27°47	14°59	14° 7	4°29	n.a.	T 28
W29	16 2 37	0♊40'09	23° 4	13°15	1°48	19° 4	15°55	18°58	20°13	18°45	27°45	14°54	14° 3	4°36	n.a.	W29
T 30	16 6 33	1°37'14	6♏17	15° 0	1°10	19°36	15°57	18°58	20°11	18°45	27°44	14°47	14° 0	4°43	n.a.	T 30
F 31	16 10 30	2♊34'18	19♏19	16♉49	0♊33	20♌ 8	15♍59	18♒59	20♏ 8	18♒45	27♐43	14♓37	13♓57	4♒49	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13n 1	7s26	2s17	4n23	3s 5	25n49	3n51	20n51	1n46	7n 1	1n39	17s11	1s37	18s11	0n10	16s27	1s 2	26s42	2s58	5s12	5s46	23s35		n.a.
T 2	13 20	13 35	3 18	4 15	3 13	25 48	3 47	20 43	1 45	7 2	1 39	17 10	1 37	18 10	0 10	16 27	1 2	26 42	2 58	5 14	5 48	23 33		n.a.
F 3	13 40	19 0	4 7	4 10	3 20	25 45	3 42	20 34	1 43	7 3	1 38	17 10	1 37	18 9	0 10	16 27	1 3	26 42	2 58	5 16	5 49	23 30		n.a.
S 4	13 59	23 25	4 42	4 7	3 26	25 42	3 37	20 26	1 42	7 3	1 38	17 9	1 38	18 9	0 10	16 26	1 3	26 43	2 58	5 19	5 50	23 28		n.a.
S 5	14 18	26 35	5 1	4 7	3 31	25 37	3 32	20 18	1 40	7 4	1 38	17 8	1 38	18 8	0 10	16 26	1 3	26 43	2 58	5 23	5 51	23 26		n.a.
M 6	14 36	28 21	5 6	4 9	3 35	25 33	3 26	20 9	1 38	7 5	1 38	17 7	1 38	18 8	0 10	16 26	1 3	26 43	2 59	5 26	5 53	23 24		n.a.
T 7	14 55	28 41	4 56	4 15	3 37	25 27	3 19	20 1	1 37	7 6	1 37	17 7	1 38	18 7	0 10	16 26	1 3	26 43	2 59	5 29	5 54	23 22		n.a.
W 8	15 13	27 36	4 33	4 23	3 39	25 20	3 12	19 52	1 35	7 6	1 37	17 6	1 39	18 6	0 10	16 26	1 3	26 43	2 59	5 31	5 55	23 20		n.a.
T 9	15 31	25 16	3 58	4 33	3 40	25 13	3 5	19 43	1 34	7 7	1 37	17 5	1 39	18 6	0 10	16 25	1 3	26 43	2 59	5 33	5 56	23 17		n.a.
F 10	15 49	21 52	3 14	4 46	3 40	25 5	2 57	19 34	1 32	7 7	1 37	17 5	1 39	18 5	0 10	16 25	1 3	26 43	2 59	5 33	5 58	23 15		n.a.
S 11	16 6	17 34	2 20	5 1	3 39	24 56	2 49	19 25	1 31	7 7	1 36	17 4	1 39	18 4	0 10	16 25	1 3	26 44	2 59	5 33	5 59	23 13		n.a.
S 12	16 24	12 35	1 21	5 19	3 37	24 46	2 40	19 16	1 29	7 8	1 36	17 3	1 40	18 4	0 10	16 25	1 3	26 44	2 59	5 33	6 0	23 11		n.a.
M13	16 41	7 3	0 17	5 39	3 34	24 36	2 31	19 6	1 28	7 8	1 36	17 3	1 40	18 3	0 10	16 25	1 3	26 44	3 0	5 33	6 1	23 9		n.a.
T 14	16 57	1 9	0n49	6 1	3 30	24 24	2 22	18 57	1 26	7 8	1 35	17 2	1 40	18 2	0 10	16 25	1 3	26 44	3 0	5 33	6 3	23 6		n.a.
W15	17 14	4n57	1 54	6 25	3 26	24 12	2 12	18 47	1 25	7 8	1 35	17 2	1 40	18 2	0 10	16 25	1 3	26 44	3 0	5 34	6 4	23 4		n.a.
T 16	17 30	11 0	2 55	6 51	3 21	23 58	2 1	18 38	1 24	7 8	1 35	17 1	1 40	18 1	0 10	16 25	1 3	26 44	3 0	5 36	6 5	23 2		n.a.
F 17	17 46	16 44	3 48	7 19	3 15	23 44	1 50	18 28	1 22	7 8	1 35	17 1	1 41	18 1	0 10	16 25	1 3	26 44	3 0	5 38	6 6	23 0		n.a.
S 18	18 2	21 46	4 29	7 48	3 8	23 29	1 39	18 18	1 21	7 8	1 34	17 1	1 41	18 0	0 10	16 25	1 3	26 44	3 0	5 42	6 8	22 57		n.a.
S 19	18 17	25 42	4 55	8 19	3 1	23 14	1 27	18 8	1 19	7 7	1 34	17 0	1 41	17 59	0 10	16 24	1 3	26 45	3 0	5 46	6 9	22 55		n.a.
M20	18 32	28 5	5 3	8 52	2 53	22 57	1 14	17 58	1 18	7 7	1 34	17 0	1 41	17 59	0 10	16 24	1 3	26 45	3 1	5 50	6 10	22 53		n.a.
T 21	18 47	28 36	4 51	9 27	2 45	22 40	1 2	17 47	1 17	7 7	1 33	17 0	1 42	17 58	0 10	16 24	1 3	26 45	3 1	5 53	6 11	22 51		n.a.
W22	19 1	27 10	4 22	10 2	2 36	22 22	0 49	17 37	1 15	7 6	1 33	16 59	1 42	17 57	0 10	16 24	1 3	26 45	3 1	5 56	6 12	22 48		n.a.
T 23	19 15	23 55	3 35	10 39	2 27	22 3	0 36	17 26	1 14	7 6	1 33	16 59	1 42	17 57	0 10	16 24	1 3	26 45	3 1	5 58	6 14	22 46		n.a.
F 24	19 29	19 15	2 36	11 18	2 17	21 44	0 22	17 16	1 13	7 5	1 32	16 59	1 42	17 56	0 10	16 24	1 3	26 45	3 1	5 58	6 15	22 44		n.a.
S 25	19 43	13 33	1 27	11 57	2 7	21 24	0 8	17 5	1 11	7 5	1 32	16 59	1 43	17 55	0 10	16 24	1 4	26 45	3 1	5 59	6 16	22 41		n.a.
S 26	19 56	7 15	0 14	12 37	1 57	21 4	0s 6	16 54	1 10	7 4	1 32	16 59	1 43	17 55	0 10	16 24	1 4	26 45	3 1	5 58	6 17	22 39		n.a.
M27	20 9	0 41	0s58	13 18	1 46	20 43	0 20	16 43	1 9	7 3	1 32	16 59	1 43	17 54	0 10	16 24	1 4	26 46	3 2	5 59	6 19	22 37		n.a.
T 28	20 21	5s49	2 7	14 0	1 34	20 22	0 34	16 32	1 7	7 2	1 31	16 58	1 43	17 53	0 9	16 24	1 4	26 46	3 2	5 59	6 20	22 35		n.a.
W29	20 33	11 58	3 7	14 42	1 23	20 1	0 48	16 21	1 6	7 1	1 31	16 58	1 44	17 53	0 9	16 24	1 4	26 46	3 2	6 1	6 21	22 32		n.a.
T 30	20 45	17 30	3 56	15 25	1 11	19 39	1 2	16 9	1 5	7 0	1 31	16 58	1 44	17 52	0 9	16 25	1 4	26 46	3 2	6 4	6 22	22 30		n.a.
F 31	20n57	22s 8	4s32	16n 7	1s 0	19n18	1s15	15n58	1n 3	6n59	1n30	16s58	1s44	17s51	0n 9	16s25	1s 4	26s46	3s 2	6s 8	6s24	22s28		n.a.

Julian Day Number = 1556815.5, Delta T = 04h26m58s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'47, Lahiri = -10°10'47 Julian Calendar 1 May 451 BCE == Greg. Calendar 26 Apr. 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

JUNE 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 14 26	3♊31'22	2♐ 9	18♉40	29°R56	20♌40	16♍ 1	19♒ 0	20°R 6	18°R45	27°R42	14°R25	13♓54	4♒56	n.a.	S 1
S 2	16 18 23	4°28'27	14°46	20°34	29♉19	21°13	16° 4	19° 0	20♏ 4	18♒45	27♐40	14♓13	13°51	5° 3	n.a.	S 2
M 3	16 22 19	5°25'31	27°10	22°30	28°43	21°45	16° 6	19° 0	20° 1	18°45	27°39	14° 0	13°47	5° 9	n.a.	M 3
T 4	16 26 16	6°22'36	9♋21	24°29	28° 8	22°18	16° 9	19° 1	19°59	18°44	27°38	13°49	13°44	5°16	n.a.	T 4
W 5	16 30 13	7°19'42	21°23	26°30	27°34	22°51	16°12	19° 1	19°57	18°44	27°37	13°40	13°41	5°23	n.a.	W 5
T 6	16 34 9	8°16'47	3♒16	28°33	27° 2	23°24	16°15	19°R 1	19°54	18°44	27°35	13°33	13°38	5°29	n.a.	T 6
F 7	16 38 6	9°13'53	15° 5	0♊38	26°31	23°57	16°18	19° 1	19°52	18°44	27°34	13°30	13°35	5°36	n.a.	F 7
S 8	16 42 2	10°11'00	26°55	2°44	26° 2	24°31	16°22	19° 1	19°50	18°43	27°33	13°28	13°32	5°43	n.a.	S 8
S 9	16 45 59	11° 8'07	8♓50	4°51	25°35	25° 4	16°25	19° 0	19°48	18°43	27°31	13°27	13°28	5°49	n.a.	S 9
M10	16 49 55	12° 5'14	20°55	6°59	25°10	25°38	16°29	19° 0	19°45	18°43	27°30	13°27	13°25	5°56	n.a.	M10
T 11	16 53 52	13° 2'23	3♈17	9° 8	24°46	26°12	16°33	19° 0	19°43	18°42	27°29	13°27	13°22	6° 3	n.a.	T 11
W12	16 57 48	13°59'32	15°59	11°17	24°26	26°46	16°37	18°59	19°41	18°42	27°27	13°24	13°19	6° 9	n.a.	W12
T 13	17 1 45	14°56'41	29° 6	13°26	24° 7	27°20	16°41	18°58	19°39	18°41	27°26	13°19	13°16	6°16	n.a.	T 13
F 14	17 5 42	15°53'52	12♉40	15°34	23°51	27°54	16°46	18°58	19°37	18°41	27°24	13°12	13°13	6°23	n.a.	F 14
S 15	17 9 38	16°51'03	26°41	17°42	23°37	28°29	16°50	18°57	19°35	18°40	27°23	13° 2	13° 9	6°30	n.a.	S 15
S 16	17 13 35	17°48'15	11♊ 5	19°50	23°25	29° 3	16°55	18°56	19°33	18°40	27°22	12°51	13° 6	6°36	n.a.	S 16
M17	17 17 31	18°45'28	25°46	21°56	23°16	29°38	17° 0	18°55	19°31	18°39	27°20	12°40	13° 3	6°43	n.a.	M17
T 18	17 21 28	19°42'41	10♋38	24° 1	23° 9	0♍13	17° 5	18°54	19°29	18°38	27°19	12°29	13° 0	6°50	n.a.	T 18
W19	17 25 24	20°39'55	25°30	26° 5	23° 5	0°48	17°10	18°52	19°27	18°38	27°17	12°22	12°57	6°56	n.a.	W19
T 20	17 29 21	21°37'09	10♌14	28° 8	23°D 3	1°23	17°15	18°51	19°25	18°37	27°16	12°16	12°53	7° 3	n.a.	T 20
F 21	17 33 18	22°34'24	24°46	0♋ 9	23° 3	1°58	17°21	18°50	19°23	18°36	27°15	12°14	12°50	7°10	n.a.	F 21
S 22	17 37 14	23°31'39	9♍ 1	2° 9	23° 5	2°34	17°27	18°48	19°21	18°35	27°13	12°D13	12°47	7°16	n.a.	S 22
S 23	17 41 11	24°28'54	22°58	4° 7	23°10	3° 9	17°32	18°46	19°19	18°35	27°12	12°R13	12°44	7°23	n.a.	S 23
M24	17 45 7	25°26'10	6♎37	6° 3	23°17	3°45	17°38	18°45	19°17	18°34	27°10	12°12	12°41	7°30	n.a.	M24
T 25	17 49 4	26°23'27	20° 0	7°58	23°26	4°21	17°44	18°43	19°15	18°33	27° 9	12°11	12°38	7°36	n.a.	T 25
W26	17 53 0	27°20'44	3♏ 8	9°51	23°37	4°56	17°51	18°41	19°14	18°32	27° 8	12° 6	12°34	7°43	n.a.	W26
T 27	17 56 57	28°18'02	16° 3	11°43	23°50	5°33	17°57	18°39	19°12	18°31	27° 6	11°59	12°31	7°50	n.a.	T 27
F 28	18 0 53	29°15'21	28°46	13°33	24° 5	6° 9	18° 3	18°37	19°10	18°30	27° 5	11°50	12°28	7°56	n.a.	F 28
S 29	18 4 50	0♋12'41	11♐18	15°21	24°22	6°45	18°10	18°34	19° 9	18°29	27° 3	11°38	12°25	8° 3	n.a.	S 29
S 30	18 8 47	1♋10'01	23♐39	17♋ 8	24♉41	7♍21	18♍17	18♒32	19♏ 7	18♒28	27♐ 2	11♓26	12♓22	8♒10	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 8	25s39	4s54	16n50	0s48	18n57	1s29	15n46	1n 2	6n58	1n30	16s59	1s44	17s51	0n 9	16s25	1s 4	26s46	3s 2	6s13	6s25	22s25		n.a.
S 2	21 19	27 50	5 0	17 33	0 36	18 36	1 43	15 34	1 1	6 57	1 30	16 59	1 45	17 50	0 9	16 25	1 4	26 46	3 2	6 17	6 26	22 23		n.a.
M 3	21 29	28 36	4 53	18 15	0 24	18 15	1 56	15 23	1 0	6 55	1 30	16 59	1 45	17 50	0 9	16 25	1 4	26 46	3 2	6 22	6 27	22 21		n.a.
T 4	21 39	27 56	4 32	18 56	0 13	17 55	2 9	15 11	0 58	6 54	1 29	16 59	1 45	17 49	0 9	16 25	1 4	26 46	3 3	6 27	6 29	22 18		n.a.
W 5	21 49	25 57	3 59	19 36	0 1	17 35	2 21	14 59	0 57	6 53	1 29	16 59	1 45	17 48	0 9	16 25	1 4	26 46	3 3	6 30	6 30	22 16		n.a.
T 6	21 58	22 51	3 15	20 15	0n10	17 16	2 33	14 46	0 56	6 51	1 29	16 59	1 46	17 48	0 9	16 25	1 4	26 47	3 3	6 33	6 31	22 14		n.a.
F 7	22 7	18 49	2 24	20 53	0 20	16 57	2 45	14 34	0 55	6 50	1 28	17 0	1 46	17 47	0 9	16 25	1 4	26 47	3 3	6 34	6 32	22 11		n.a.
S 8	22 16	14 3	1 26	21 29	0 31	16 40	2 56	14 22	0 54	6 48	1 28	17 0	1 46	17 47	0 9	16 26	1 4	26 47	3 3	6 35	6 34	22 9		n.a.
S 9	22 24	8 45	0 24	22 3	0 41	16 23	3 7	14 9	0 52	6 46	1 28	17 0	1 46	17 46	0 9	16 26	1 4	26 47	3 3	6 35	6 35	22 6		n.a.
M10	22 32	3 3	0n39	22 35	0 50	16 7	3 17	13 57	0 51	6 45	1 28	17 1	1 47	17 45	0 9	16 26	1 4	26 47	3 3	6 35	6 36	22 4		n.a.
T 11	22 40	2n53	1 43	23 5	0 59	15 52	3 27	13 44	0 50	6 43	1 27	17 1	1 47	17 45	0 9	16 26	1 4	26 47	3 3	6 35	6 37	22 2		n.a.
W12	22 47	8 52	2 43	23 32	1 7	15 38	3 36	13 31	0 49	6 41	1 27	17 1	1 47	17 44	0 9	16 26	1 4	26 47	3 3	6 36	6 38	21 59		n.a.
T 13	22 53	14 40	3 36	23 57	1 15	15 25	3 45	13 18	0 48	6 39	1 27	17 2	1 47	17 44	0 9	16 26	1 4	26 47	3 4	6 38	6 40	21 57		n.a.
F 14	23 0	19 57	4 19	24 19	1 22	15 13	3 53	13 5	0 46	6 37	1 26	17 2	1 48	17 43	0 9	16 27	1 4	26 47	3 4	6 41	6 41	21 55		n.a.
S 15	23 6	24 20	4 49	24 38	1 28	15 2	4 0	12 52	0 45	6 35	1 26	17 3	1 48	17 42	0 9	16 27	1 4	26 47	3 4	6 45	6 42	21 52		n.a.
S 16	23 11	27 21	5 0	24 54	1 33	14 53	4 7	12 39	0 44	6 33	1 26	17 3	1 48	17 42	0 9	16 27	1 5	26 47	3 4	6 49	6 43	21 50		n.a.
M17	23 16	28 34	4 53	25 8	1 38	14 44	4 14	12 25	0 43	6 31	1 26	17 4	1 48	17 41	0 9	16 27	1 5	26 47	3 4	6 54	6 45	21 47		n.a.
T 18	23 21	27 44	4 26	25 19	1 42	14 37	4 20	12 12	0 42	6 28	1 25	17 4	1 49	17 41	0 9	16 28	1 5	26 48	3 4	6 58	6 46	21 45		n.a.
W19	23 25	24 55	3 40	25 27	1 45	14 30	4 25	11 58	0 41	6 26	1 25	17 5	1 49	17 40	0 9	16 28	1 5	26 48	3 4	7 1	6 47	21 42		n.a.
T 20	23 29	20 29	2 40	25 32	1 48	14 25	4 31	11 44	0 40	6 24	1 25	17 6	1 49	17 40	0 9	16 28	1 5	26 48	3 4	7 3	6 48	21 40		n.a.
F 21	23 32	14 52	1 31	25 35	1 49	14 20	4 35	11 31	0 38	6 21	1 24	17 6	1 49	17 39	0 9	16 28	1 5	26 48	3 4	7 4	6 50	21 38		n.a.
S 22	23 35	8 33	0 17	25 35	1 51	14 17	4 39	11 17	0 37	6 19	1 24	17 7	1 50	17 39	0 9	16 29	1 5	26 48	3 4	7 4	6 51	21 35		n.a.
S 23	23 38	1 58	0s57	25 32	1 51	14 15	4 43	11 3	0 36	6 16	1 24	17 8	1 50	17 38	0 9	16 29	1 5	26 48	3 5	7 4	6 52	21 33		n.a.
M24	23 40	4s35	2 5	25 28	1 51	14 13	4 46	10 49	0 35	6 14	1 24	17 9	1 50	17 38	0 9	16 29	1 5	26 48	3 5	7 4	6 53	21 30		n.a.
T 25	23 42	10 47	3 6	25 21	1 50	14 13	4 49	10 34	0 34	6 11	1 23	17 9	1 50	17 37	0 9	16 29	1 5	26 48	3 5	7 5	6 54	21 28		n.a.
W26	23 43	16 24	3 55	25 12	1 49	14 13	4 51	10 20	0 33	6 8	1 23	17 10	1 51	17 37	0 9	16 30	1 5	26 48	3 5	7 7	6 56	21 25		n.a.
T 27	23 44	21 11	4 32	25 0	1 47	14 14	4 53	10 6	0 32	6 6	1 23	17 11	1 51	17 36	0 9	16 30	1 5	26 48	3 5	7 9	6 57	21 23		n.a.
F 28	23 45	24 55	4 54	24 47	1 45	14 16	4 55	9 51	0 31	6 3	1 23	17 12	1 51	17 36	0 9	16 30	1 5	26 48	3 5	7 13	6 58	21 20		n.a.
S 29	23 45	27 24	5 1	24 33	1 42	14 19	4 56	9 37	0 30	6 0	1 22	17 13	1 51	17 35	0 9	16 31	1 5	26 48	3 5	7 17	6 59	21 18		n.a.
S 30	23n45	28s30	4s55	24n16	1n38	14n23	4s57	9n22	0n29	5n57	1n22	17s14	1s51	17s35	0n 9	16s31	1s 5	26s48	3s 5	7s22	7s 1	21s15		n.a.

Julian Day Number = 1556846.5, Delta T = 04h26m57s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'43, Lahiri = -10°10'43 Julian Calendar 1 June 451 BCE == Greg. Calendar 27 May 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

JULY 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 12 43	2♋ 7'23	5♉51	18♋52	25♉ 2	7♍58	18♍24	18°R30	19°R 5	18°R27	27°R 0	11°R14	12♓19	8♒16	n.a.	M 1
T 2	18 16 40	3° 4'45	17°54	20°36	25°25	8°35	18°31	18♒27	19♏ 4	18♒26	26♐59	11♓ 3	12°15	8°23	n.a.	T 2
W 3	18 20 36	4° 2'09	29°50	22°17	25°49	9°11	18°38	18°25	19° 2	18°25	26°58	10°54	12°12	8°30	n.a.	W 3
T 4	18 24 33	4°59'34	11♒40	23°58	26°15	9°48	18°45	18°22	19° 1	18°24	26°56	10°48	12° 9	8°36	n.a.	T 4
F 5	18 28 29	5°57'00	23°27	25°36	26°42	10°25	18°53	18°19	18°59	18°23	26°55	10°44	12° 6	8°43	n.a.	F 5
S 6	18 32 26	6°54'28	5♓16	27°13	27°11	11° 2	19° 0	18°17	18°58	18°22	26°53	10°D43	12° 3	8°50	n.a.	S 6
S 7	18 36 22	7°51'57	17°10	28°48	27°42	11°40	19° 8	18°14	18°57	18°21	26°52	10°43	11°59	8°56	n.a.	S 7
M 8	18 40 19	8°49'27	29°14	0♌22	28°14	12°17	19°16	18°11	18°55	18°20	26°51	10°43	11°56	9° 3	n.a.	M 8
T 9	18 44 16	9°46'59	11♈34	1°54	28°47	12°55	19°24	18° 8	18°54	18°18	26°49	10°R44	11°53	9°10	n.a.	T 9
W10	18 48 12	10°44'33	24°14	3°24	29°22	13°32	19°32	18° 4	18°53	18°17	26°48	10°43	11°50	9°16	n.a.	W10
T 11	18 52 9	11°42'08	7♉19	4°53	29°57	14°10	19°40	18° 1	18°52	18°16	26°47	10°40	11°47	9°23	n.a.	T 11
F 12	18 56 5	12°39'45	20°53	6°20	0♊35	14°48	19°48	17°58	18°51	18°15	26°45	10°35	11°44	9°30	n.a.	F 12
S 13	19 0 2	13°37'24	4♊55	7°45	1°13	15°26	19°57	17°55	18°50	18°14	26°44	10°28	11°40	9°36	n.a.	S 13
S 14	19 3 58	14°35'04	19°25	9° 9	1°52	16° 4	20° 5	17°51	18°49	18°12	26°42	10°20	11°37	9°43	n.a.	S 14
M15	19 7 55	15°32'46	4♋17	10°31	2°33	16°42	20°14	17°48	18°48	18°11	26°41	10°11	11°34	9°50	n.a.	M15
T 16	19 11 52	16°30'30	19°22	11°52	3°14	17°20	20°23	17°44	18°47	18°10	26°40	10° 4	11°31	9°56	n.a.	T 16
W17	19 15 48	17°28'14	4♌32	13°10	3°57	17°58	20°32	17°40	18°46	18° 8	26°39	9°58	11°28	10° 3	n.a.	W17
T 18	19 19 45	18°26'01	19°35	14°27	4°40	18°37	20°40	17°37	18°45	18° 7	26°37	9°54	11°25	10°10	n.a.	T 18
F 19	19 23 41	19°23'48	4♍25	15°42	5°25	19°16	20°50	17°33	18°44	18° 5	26°36	9°D52	11°21	10°16	n.a.	F 19
S 20	19 27 38	20°21'37	18°54	16°54	6°10	19°54	20°59	17°29	18°43	18° 4	26°35	9°53	11°18	10°23	n.a.	S 20
S 21	19 31 34	21°19'27	3♎ 1	18° 5	6°56	20°33	21° 8	17°25	18°43	18° 3	26°33	9°54	11°15	10°30	n.a.	S 21
M22	19 35 31	22°17'18	16°44	19°14	7°43	21°12	21°17	17°21	18°42	18° 1	26°32	9°R55	11°12	10°36	n.a.	M22
T 23	19 39 27	23°15'11	0♏ 5	20°20	8°31	21°51	21°27	17°17	18°41	18° 0	26°31	9°54	11° 9	10°43	n.a.	T 23
W24	19 43 24	24°13'05	13° 6	21°24	9°19	22°30	21°37	17°13	18°41	17°58	26°30	9°53	11° 5	10°50	n.a.	W24
T 25	19 47 21	25°11'01	25°50	22°26	10° 9	23° 9	21°46	17° 9	18°40	17°57	26°28	9°49	11° 2	10°56	n.a.	T 25
F 26	19 51 17	26° 8'58	8♐20	23°25	10°59	23°49	21°56	17° 5	18°40	17°55	26°27	9°43	10°59	11° 3	n.a.	F 26
S 27	19 55 14	27° 6'56	20°38	24°21	11°50	24°28	22° 6	17° 1	18°39	17°54	26°26	9°36	10°56	11°10	n.a.	S 27
S 28	19 59 10	28° 4'57	2♑47	25°15	12°41	25° 8	22°16	16°57	18°39	17°52	26°25	9°29	10°53	11°16	n.a.	S 28
M29	20 3 7	29° 2'58	14°48	26° 5	13°33	25°47	22°26	16°52	18°39	17°51	26°24	9°21	10°50	11°23	n.a.	M29
T 30	20 7 3	0♌ 1'02	26°43	26°52	14°26	26°27	22°36	16°48	18°39	17°49	26°23	9°15	10°46	11°30	n.a.	T 30
W31	20 11 0	0♌59'07	8♒34	27♌36	15♊19	27♍ 7	22♍47	16♒44	18♏38	17♒48	26♐22	9♓ 9	10♓43	11♒36	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23n44	28s12	4s35	23n58	1n35	14n27	4s58	9n 7	0n28	5n54	1n22	17s15	1s52	17s35	0n 9	16s31	1s 5	26s48	3s 5	7s27	7s 2	21s13			n.a.
T 2	23 43	26 32	4 2	23 38	1 30	14 32	4 58	8 52	0 27	5 51	1 22	17 16	1 52	17 34	0 9	16 32	1 5	26 48	3 5	7 31	7 3	21 10			n.a.
W 3	23 41	23 42	3 20	23 17	1 25	14 38	4 58	8 37	0 26	5 48	1 21	17 17	1 52	17 34	0 9	16 32	1 5	26 48	3 5	7 34	7 4	21 8			n.a.
T 4	23 39	19 53	2 28	22 55	1 20	14 44	4 58	8 22	0 25	5 45	1 21	17 18	1 52	17 33	0 9	16 33	1 5	26 48	3 5	7 37	7 6	21 5			n.a.
F 5	23 37	15 18	1 31	22 31	1 15	14 51	4 58	8 7	0 24	5 42	1 21	17 19	1 53	17 33	0 9	16 33	1 5	26 48	3 6	7 38	7 7	21 3			n.a.
S 6	23 34	10 9	0 29	22 7	1 9	14 58	4 57	7 52	0 23	5 38	1 21	17 20	1 53	17 33	0 9	16 33	1 5	26 48	3 6	7 39	7 8	21 0			n.a.
S 7	23 31	4 36	0n34	21 41	1 2	15 6	4 56	7 37	0 22	5 35	1 20	17 21	1 53	17 32	0 9	16 34	1 5	26 49	3 6	7 39	7 9	20 58			n.a.
M 8	23 27	1n11	1 37	21 15	0 56	15 14	4 55	7 21	0 21	5 32	1 20	17 22	1 53	17 32	0 9	16 34	1 5	26 49	3 6	7 38	7 10	20 55			n.a.
T 9	23 23	7 2	2 37	20 47	0 49	15 23	4 53	7 6	0 20	5 28	1 20	17 23	1 53	17 32	0 9	16 35	1 5	26 49	3 6	7 38	7 12	20 53			n.a.
W10	23 19	12 47	3 31	20 19	0 41	15 32	4 52	6 50	0 19	5 25	1 20	17 25	1 54	17 31	0 9	16 35	1 5	26 49	3 6	7 39	7 13	20 50			n.a.
T 11	23 14	18 9	4 16	19 50	0 34	15 41	4 50	6 35	0 18	5 22	1 20	17 26	1 54	17 31	0 9	16 35	1 6	26 49	3 6	7 40	7 14	20 48			n.a.
F 12	23 8	22 50	4 48	19 21	0 26	15 51	4 48	6 19	0 17	5 18	1 19	17 27	1 54	17 31	0 9	16 36	1 6	26 49	3 6	7 42	7 15	20 45			n.a.
S 13	23 3	26 23	5 4	18 51	0 18	16 1	4 46	6 3	0 16	5 15	1 19	17 28	1 54	17 30	0 9	16 36	1 6	26 49	3 6	7 44	7 17	20 43			n.a.
S 14	22 57	28 20	5 2	18 21	0 9	16 11	4 43	5 47	0 15	5 11	1 19	17 30	1 54	17 30	0 9	16 37	1 6	26 49	3 6	7 47	7 18	20 40			n.a.
M15	22 50	28 20	4 39	17 50	0 1	16 21	4 41	5 32	0 14	5 7	1 19	17 31	1 55	17 30	0 9	16 37	1 6	26 49	3 6	7 51	7 19	20 38			n.a.
T 16	22 43	26 15	3 57	17 20	0s 8	16 32	4 38	5 16	0 13	5 4	1 18	17 32	1 55	17 30	0 9	16 38	1 6	26 49	3 6	7 54	7 20	20 35			n.a.
W17	22 36	22 16	2 58	16 49	0 17	16 43	4 35	5 0	0 12	5 0	1 18	17 33	1 55	17 29	0 9	16 38	1 6	26 49	3 6	7 56	7 21	20 33			n.a.
T 18	22 28	16 50	1 47	16 17	0 26	16 53	4 32	4 43	0 11	4 56	1 18	17 35	1 55	17 29	0 9	16 38	1 6	26 49	3 6	7 57	7 23	20 30			n.a.
F 19	22 20	10 28	0 29	15 46	0 36	17 4	4 29	4 27	0 10	4 52	1 18	17 36	1 55	17 29	0 9	16 39	1 6	26 49	3 6	7 58	7 24	20 27			n.a.
S 20	22 11	3 42	0s49	15 15	0 45	17 15	4 26	4 11	0 9	4 48	1 18	17 37	1 55	17 29	0 9	16 39	1 6	26 49	3 6	7 58	7 25	20 25			n.a.
S 21	22 2	3s 4	2 2	14 44	0 55	17 26	4 22	3 55	0 8	4 44	1 17	17 39	1 56	17 29	0 9	16 40	1 6	26 49	3 7	7 58	7 26	20 22			n.a.
M22	21 53	9 30	3 6	14 13	1 5	17 38	4 19	3 38	0 7	4 41	1 17	17 40	1 56	17 28	0 9	16 40	1 6	26 49	3 7	7 57	7 28	20 20			n.a.
T 23	21 43	15 21	3 58	13 43	1 15	17 49	4 15	3 22	0 6	4 37	1 17	17 42	1 56	17 28	0 9	16 41	1 6	26 49	3 7	7 57	7 29	20 17			n.a.
W24	21 33	20 21	4 36	13 13	1 25	18 0	4 11	3 5	0 5	4 33	1 17	17 43	1 56	17 28	0 9	16 41	1 6	26 49	3 7	7 58	7 30	20 14			n.a.
T 25	21 23	24 19	5 0	12 43	1 35	18 11	4 8	2 49	0 4	4 28	1 17	17 44	1 56	17 28	0 9	16 42	1 6	26 49	3 7	7 59	7 31	20 12			n.a.
F 26	21 12	27 3	5 9	12 14	1 45	18 22	4 4	2 32	0 3	4 24	1 16	17 46	1 56	17 28	0 9	16 42	1 6	26 49	3 7	8 1	7 32	20 9			n.a.
S 27	21 1	28 27	5 3	11 46	1 55	18 33	4 0	2 16	0 2	4 20	1 16	17 47	1 57	17 28	0 9	16 43	1 6	26 49	3 7	8 4	7 34	20 7			n.a.
S 28	20 49	28 27	4 44	11 18	2 5	18 43	3 56	1 59	0 1	4 16	1 16	17 49	1 57	17 28	0 9	16 43	1 6	26 49	3 7	8 7	7 35	20 4			n.a.
M29	20 37	27 6	4 12	10 52	2 16	18 54	3 51	1 42	0 1	4 12	1 16	17 50	1 57	17 28	0 9	16 44	1 6	26 49	3 7	8 10	7 36	20 1			n.a.
T 30	20 25	24 31	3 30	10 26	2 26	19 4	3 47	1 25	0s 0	4 8	1 16	17 52	1 57	17 28	0 9	16 44	1 6	26 49	3 7	8 12	7 37	19 59			n.a.
W31	20n12	20s54	2s38	10n 2	2s36	19n15	3s43	1n 9	0s 1	4n 3	1n15	17s53	1s57	17s28	0n 9	16s45	1s 6	26s49	3s 7	8s14	7s39	19s56			n.a.

Julian Day Number = 1556876.5, Delta T = 04h26m55s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'39, Lahiri = -10°10'39 Julian Calendar 1 July 451 BCE == Greg. Calendar 26 June 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

AUGUST 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 14 56	1♌57'14	20♒22	28♌16	16♊13	27♍47	22♍57	16°R39	18°R38	17°R46	26°R20	9°R 6	10♓40	11♒43	n.a.	T 1
F 2	20 18 53	2°55'23	2♓10	28°52	17° 8	28°27	23° 7	16♒35	18♏38	17♒44	26♐19	9♓ 4	10°37	11°50	n.a.	F 2
S 3	20 22 50	3°53'34	14° 1	29°24	18° 3	29° 7	23°18	16°30	18°38	17°43	26°18	9°D 4	10°34	11°56	n.a.	S 3
S 4	20 26 46	4°51'47	25°58	29°52	18°59	29°47	23°29	16°26	18°D38	17°41	26°17	9° 5	10°31	12° 3	n.a.	S 4
M 5	20 30 43	5°50'02	8♈ 4	0♍15	19°55	0♎27	23°39	16°21	18°38	17°40	26°16	9° 7	10°27	12°10	n.a.	M 5
T 6	20 34 39	6°48'20	20°25	0°32	20°51	1° 8	23°50	16°17	18°38	17°38	26°15	9° 8	10°24	12°16	n.a.	T 6
W 7	20 38 36	7°46'39	3♉ 3	0°45	21°49	1°48	24° 1	16°12	18°38	17°36	26°14	9°R 9	10°21	12°23	n.a.	W 7
T 8	20 42 32	8°45'01	16° 5	0°51	22°46	2°29	24°12	16° 7	18°39	17°35	26°13	9° 9	10°18	12°30	n.a.	T 8
F 9	20 46 29	9°43'25	29°32	0°R52	23°44	3° 9	24°23	16° 3	18°39	17°33	26°12	9° 8	10°15	12°36	n.a.	F 9
S 10	20 50 25	10°41'51	13♊26	0°46	24°43	3°50	24°34	15°58	18°39	17°31	26°11	9° 5	10°11	12°43	n.a.	S 10
S 11	20 54 22	11°40'20	27°48	0°34	25°42	4°31	24°45	15°53	18°39	17°30	26°10	9° 2	10° 8	12°50	n.a.	S 11
M12	20 58 18	12°38'51	12♋35	0°16	26°42	5°12	24°56	15°49	18°40	17°28	26°10	8°58	10° 5	12°56	n.a.	M12
T 13	21 2 15	13°37'24	27°39	29♌50	27°41	5°53	25° 8	15°44	18°40	17°26	26° 9	8°54	10° 2	13° 3	n.a.	T 13
W14	21 6 12	14°35'59	12♌52	29°18	28°42	6°34	25°19	15°39	18°41	17°25	26° 8	8°52	9°59	13°10	n.a.	W14
T 15	21 10 8	15°34'37	28° 4	28°39	29°42	7°15	25°31	15°35	18°41	17°23	26° 7	8°50	9°56	13°16	n.a.	T 15
F 16	21 14 5	16°33'16	13♍ 6	27°54	0♋43	7°57	25°42	15°30	18°42	17°21	26° 6	8°D50	9°52	13°23	n.a.	F 16
S 17	21 18 1	17°31'56	27°49	27° 3	1°45	8°38	25°54	15°25	18°43	17°20	26° 6	8°51	9°49	13°30	n.a.	S 17
S 18	21 21 58	18°30'39	12♎ 8	26° 7	2°46	9°20	26° 5	15°21	18°43	17°18	26° 5	8°52	9°46	13°36	n.a.	S 18
M19	21 25 54	19°29'24	26° 2	25° 7	3°48	10° 1	26°17	15°16	18°44	17°17	26° 4	8°53	9°43	13°43	n.a.	M19
T 20	21 29 51	20°28'10	9♏29	24° 3	4°51	10°43	26°29	15°11	18°45	17°15	26° 3	8°54	9°40	13°50	n.a.	T 20
W21	21 33 47	21°26'59	22°32	22°58	5°53	11°25	26°41	15° 7	18°46	17°13	26° 3	8°R55	9°37	13°56	n.a.	W21
T 22	21 37 44	22°25'49	5♐14	21°53	6°56	12° 6	26°53	15° 2	18°47	17°12	26° 2	8°54	9°33	14° 3	n.a.	T 22
F 23	21 41 41	23°24'41	17°38	20°49	8° 0	12°48	27° 5	14°58	18°48	17°10	26° 1	8°53	9°30	14°10	n.a.	F 23
S 24	21 45 37	24°23'35	29°49	19°49	9° 3	13°30	27°17	14°53	18°49	17° 8	26° 1	8°51	9°27	14°16	n.a.	S 24
S 25	21 49 34	25°22'31	11♑50	18°53	10° 7	14°12	27°29	14°48	18°50	17° 7	26° 0	8°49	9°24	14°23	n.a.	S 25
M26	21 53 30	26°21'29	23°44	18° 3	11°12	14°55	27°41	14°44	18°51	17° 5	26° 0	8°47	9°21	14°30	n.a.	M26
T 27	21 57 27	27°20'29	5♒34	17°21	12°16	15°37	27°53	14°39	18°52	17° 3	25°59	8°46	9°17	14°36	n.a.	T 27
W28	22 1 23	28°19'31	17°22	16°48	13°21	16°19	28° 5	14°35	18°53	17° 2	25°59	8°44	9°14	14°43	n.a.	W28
T 29	22 5 20	29°18'35	29°12	16°24	14°26	17° 2	28°18	14°30	18°55	17° 0	25°58	8°44	9°11	14°50	n.a.	T 29
F 30	22 9 16	0♍17'41	11♓ 5	16°10	15°31	17°44	28°30	14°26	18°56	16°58	25°58	8°D44	9° 8	14°56	n.a.	F 30
S 31	22 13 13	1♍16'49	23♓ 3	16°D 6	16♋37	18♎27	28♍42	14♒22	18♏57	16♒57	25♐57	8♓44	9♓ 5	15♒ 3	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	19n59	16s28	1s40	9n39	2s45	19n25	3s38	0n52	0s 2	3n59	1n15	17s55	1s57	17s28	0n 9	16s45	1s 6	26s49	3s 7	8s16	7s40	19s53		n.a.	
F 2	19 46	11 25	0 38	9 17	2 55	19 34	3 34	0 35	0 3	3 55	1 15	17 56	1 57	17 28	0 9	16 46	1 6	26 49	3 7	8 16	7 41	19 51		n.a.	
S 3	19 32	5 57	0n27	8 57	3 4	19 44	3 29	0 18	0 4	3 50	1 15	17 58	1 58	17 28	0 8	16 46	1 6	26 49	3 7	8 16	7 42	19 48		n.a.	
S 4	19 18	0 14	1 31	8 39	3 13	19 53	3 25	0 1	0 5	3 46	1 15	17 59	1 58	17 28	0 8	16 47	1 6	26 49	3 7	8 16	7 43	19 46		n.a.	
M 5	19 4	5n34	2 32	8 23	3 22	20 2	3 20	0s16	0 6	3 41	1 15	18 1	1 58	17 28	0 8	16 47	1 6	26 49	3 7	8 15	7 45	19 43		n.a.	
T 6	18 49	11 16	3 27	8 9	3 30	20 11	3 15	0 33	0 6	3 37	1 14	18 2	1 58	17 28	0 8	16 48	1 6	26 49	3 7	8 15	7 46	19 40		n.a.	
W 7	18 34	16 39	4 14	7 57	3 38	20 19	3 11	0 50	0 7	3 32	1 14	18 4	1 58	17 28	0 8	16 48	1 6	26 49	3 7	8 14	7 47	19 38		n.a.	
T 8	18 18	21 28	4 49	7 48	3 45	20 28	3 6	1 7	0 8	3 28	1 14	18 5	1 58	17 28	0 8	16 49	1 6	26 49	3 7	8 15	7 48	19 35		n.a.	
F 9	18 3	25 20	5 9	7 42	3 52	20 35	3 1	1 24	0 9	3 23	1 14	18 7	1 58	17 28	0 8	16 49	1 6	26 49	3 7	8 15	7 49	19 32		n.a.	
S 10	17 47	27 53	5 13	7 39	3 57	20 43	2 56	1 42	0 10	3 19	1 14	18 8	1 58	17 28	0 8	16 50	1 6	26 49	3 7	8 16	7 51	19 30		n.a.	
S 11	17 31	28 41	4 57	7 39	4 2	20 50	2 51	1 59	0 11	3 14	1 14	18 10	1 58	17 28	0 8	16 50	1 6	26 49	3 7	8 17	7 52	19 27		n.a.	
M12	17 14	27 29	4 22	7 42	4 5	20 56	2 46	2 16	0 12	3 9	1 13	18 11	1 58	17 28	0 8	16 51	1 6	26 49	3 7	8 19	7 53	19 24		n.a.	
T 13	16 57	24 17	3 28	7 49	4 7	21 2	2 41	2 33	0 12	3 5	1 13	18 13	1 59	17 28	0 8	16 52	1 6	26 49	3 7	8 20	7 54	19 21		n.a.	
W14	16 40	19 23	2 18	8 0	4 8	21 8	2 36	2 51	0 13	3 0	1 13	18 14	1 59	17 29	0 8	16 52	1 6	26 49	3 7	8 21	7 56	19 19		n.a.	
T 15	16 23	13 13	0 59	8 14	4 7	21 14	2 32	3 8	0 14	2 55	1 13	18 16	1 59	17 29	0 8	16 53	1 6	26 49	3 7	8 22	7 57	19 16		n.a.	
F 16	16 5	6 22	0s24	8 32	4 4	21 18	2 27	3 25	0 15	2 50	1 13	18 17	1 59	17 29	0 8	16 53	1 6	26 49	3 7	8 22	7 58	19 13		n.a.	
S 17	15 47	0s41	1 43	8 54	4 0	21 23	2 22	3 42	0 16	2 46	1 13	18 19	1 59	17 29	0 8	16 54	1 6	26 49	3 7	8 21	7 59	19 11		n.a.	
S 18	15 29	7 31	2 54	9 19	3 53	21 27	2 17	4 0	0 16	2 41	1 13	18 20	1 59	17 29	0 8	16 54	1 6	26 49	3 7	8 21	8 0	19 8		n.a.	
M19	15 10	13 46	3 52	9 48	3 45	21 30	2 11	4 17	0 17	2 36	1 12	18 22	1 59	17 30	0 8	16 55	1 6	26 49	3 7	8 20	8 2	19 5		n.a.	
T 20	14 51	19 11	4 36	10 19	3 34	21 33	2 6	4 34	0 18	2 31	1 12	18 23	1 59	17 30	0 8	16 55	1 6	26 49	3 7	8 20	8 3	19 2		n.a.	
W21	14 32	23 31	5 3	10 52	3 22	21 36	2 1	4 51	0 19	2 26	1 12	18 24	1 59	17 30	0 8	16 56	1 6	26 49	3 7	8 20	8 4	19 0		n.a.	
T 22	14 13	26 37	5 15	11 26	3 7	21 38	1 56	5 9	0 20	2 21	1 12	18 26	1 59	17 30	0 8	16 56	1 6	26 49	3 7	8 20	8 5	18 57		n.a.	
F 23	13 53	28 21	5 12	12 2	2 52	21 39	1 51	5 26	0 20	2 16	1 12	18 27	1 59	17 31	0 8	16 57	1 6	26 49	3 7	8 21	8 6	18 54		n.a.	
S 24	13 34	28 40	4 55	12 38	2 34	21 40	1 46	5 43	0 21	2 11	1 12	18 29	1 59	17 31	0 8	16 57	1 6	26 49	3 7	8 21	8 8	18 52		n.a.	
S 25	13 14	27 37	4 25	13 13	2 16	21 41	1 41	6 0	0 22	2 6	1 12	18 30	1 59	17 31	0 8	16 58	1 6	26 49	3 7	8 22	8 9	18 49		n.a.	
M26	12 54	25 19	3 44	13 46	1 56	21 40	1 36	6 18	0 23	2 1	1 11	18 31	1 59	17 32	0 8	16 58	1 6	26 49	3 7	8 23	8 10	18 46		n.a.	
T 27	12 33	21 56	2 54	14 18	1 37	21 40	1 31	6 35	0 23	1 56	1 11	18 33	1 59	17 32	0 8	16 59	1 6	26 49	3 7	8 23	8 11	18 43		n.a.	
W28	12 13	17 40	1 56	14 47	1 17	21 38	1 26	6 52	0 24	1 51	1 11	18 34	1 59	17 32	0 8	16 59	1 6	26 49	3 7	8 24	8 13	18 41		n.a.	
T 29	11 52	12 43	0 53	15 13	0 57	21 36	1 22	7 9	0 25	1 46	1 11	18 36	1 59	17 33	0 8	17 0	1 6	26 49	3 7	8 24	8 14	18 38		n.a.	
F 30	11 31	7 18	0n13	15 36	0 38	21 34	1 17	7 26	0 26	1 41	1 11	18 37	1 59	17 33	0 8	17 0	1 6	26 49	3 7	8 24	8 15	18 35		n.a.	
S 31	11n10	1s36	1n19	15n55	0s19	21n31	1s12	7s44	0s26	1n36	1n11	18s38	1s59	17s33	0n 8	17s 1	1s 6	26s49	3s 7	8s24	8s16	18s32		n.a.	

Julian Day Number = 1556907.5, Delta T = 04h26m54s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'35, Lahiri = -10°10'34 Julian Calendar 1 Aug. 451 BCE == Greg. Calendar 27 July 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

SEPTEMBER 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 17 10	2♍15'59	5♈ 8	16♌13	17♋42	19♎ 9	28♍55	14°R17	18♏59	16°R55	25°R57	8♓44	9♓ 2	15♒ 9	n.a.	S 1
M 2	22 21 6	3°15'12	17°23	16°31	18°49	19°52	29° 7	14♒13	19° 0	16♒54	25♐57	8°45	8°58	15°16	n.a.	M 2
T 3	22 25 3	4°14'27	29°51	16°58	19°55	20°35	29°20	14° 9	19° 2	16°52	25°56	8°45	8°55	15°23	n.a.	T 3
W 4	22 28 59	5°13'45	12♉34	17°34	21° 1	21°18	29°32	14° 5	19° 3	16°51	25°56	8°46	8°52	15°29	n.a.	W 4
T 5	22 32 56	6°13'05	25°35	18°20	22° 8	22° 1	29°45	14° 0	19° 5	16°49	25°56	8°46	8°49	15°36	n.a.	T 5
F 6	22 36 52	7°12'28	8♊58	19°14	23°15	22°44	29°58	13°56	19° 7	16°48	25°55	8°R46	8°46	15°43	n.a.	F 6
S 7	22 40 49	8°11'53	22°42	20°15	24°22	23°27	0♎10	13°52	19° 8	16°46	25°55	8°46	8°42	15°49	n.a.	S 7
S 8	22 44 45	9°11'20	6♋50	21°23	25°30	24°10	0°23	13°48	19°10	16°44	25°55	8°D46	8°39	15°56	n.a.	S 8
M 9	22 48 42	10°10'50	21°19	22°37	26°37	24°53	0°36	13°44	19°12	16°43	25°55	8°46	8°36	16° 3	n.a.	M 9
T 10	22 52 38	11°10'23	6♌ 7	23°55	27°45	25°37	0°49	13°40	19°14	16°41	25°55	8°46	8°33	16° 9	n.a.	T 10
W11	22 56 35	12° 9'57	21° 7	25°19	28°53	26°20	1° 2	13°37	19°16	16°40	25°55	8°47	8°30	16°16	n.a.	W11
T 12	23 0 32	13° 9'34	6♍11	26°46	0♌ 2	27° 4	1°14	13°33	19°18	16°39	25°54	8°R47	8°27	16°23	n.a.	T 12
F 13	23 4 28	14° 9'13	21°11	28°17	1°10	27°47	1°27	13°29	19°20	16°37	25°54	8°47	8°23	16°29	n.a.	F 13
S 14	23 8 25	15° 8'54	5♎58	29°50	2°19	28°31	1°40	13°25	19°22	16°36	25°D54	8°46	8°20	16°36	n.a.	S 14
S 15	23 12 21	16° 8'37	20°25	1♍25	3°27	29°15	1°53	13°22	19°24	16°34	25°54	8°45	8°17	16°43	n.a.	S 15
M16	23 16 18	17° 8'22	4♏27	3° 2	4°36	29°58	2° 6	13°18	19°26	16°33	25°54	8°45	8°14	16°49	n.a.	M16
T 17	23 20 14	18° 8'09	18° 3	4°41	5°45	0♏42	2°19	13°15	19°28	16°32	25°54	8°43	8°11	16°56	n.a.	T 17
W18	23 24 11	19° 7'58	1♐13	6°21	6°55	1°26	2°32	13°12	19°30	16°30	25°55	8°43	8° 8	17° 3	n.a.	W18
T 19	23 28 7	20° 7'49	13°58	8° 1	8° 4	2°10	2°45	13° 8	19°32	16°29	25°55	8°42	8° 4	17° 9	n.a.	T 19
F 20	23 32 4	21° 7'41	26°24	9°42	9°14	2°54	2°58	13° 5	19°35	16°28	25°55	8°D42	8° 1	17°16	n.a.	F 20
S 21	23 36 1	22° 7'35	8♑33	11°24	10°24	3°39	3°12	13° 2	19°37	16°26	25°55	8°43	7°58	17°23	n.a.	S 21
S 22	23 39 57	23° 7'31	20°30	13° 5	11°34	4°23	3°25	12°59	19°39	16°25	25°55	8°44	7°55	17°29	n.a.	S 22
M23	23 43 54	24° 7'29	2♒21	14°47	12°44	5° 7	3°38	12°56	19°42	16°24	25°55	8°45	7°52	17°36	n.a.	M23
T 24	23 47 50	25° 7'29	14° 9	16°28	13°54	5°51	3°51	12°53	19°44	16°23	25°56	8°46	7°48	17°43	n.a.	T 24
W25	23 51 47	26° 7'30	25°58	18°10	15° 4	6°36	4° 4	12°51	19°47	16°21	25°56	8°48	7°45	17°49	n.a.	W25
T 26	23 55 43	27° 7'34	7♓51	19°51	16°15	7°20	4°17	12°48	19°49	16°20	25°56	8°R48	7°42	17°56	n.a.	T 26
F 27	23 59 40	28° 7'39	19°52	21°32	17°25	8° 5	4°31	12°45	19°52	16°19	25°57	8°48	7°39	18° 3	n.a.	F 27
S 28	0 3 36	29° 7'46	2♈ 1	23°13	18°36	8°50	4°44	12°43	19°54	16°18	25°57	8°46	7°36	18° 9	n.a.	S 28
S 29	0 7 33	0♎ 7'55	14°21	24°53	19°47	9°34	4°57	12°41	19°57	16°17	25°57	8°44	7°33	18°16	n.a.	S 29
M30	0 11 29	1♎ 8'06	26♈53	26♍33	20♌58	10♏19	5♎10	12♒38	20♏ 0	16♒16	25♐58	8♓40	7♓29	18♒22	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n48	4n14	2n22	16n 9	0s 2	21n27	1s 7	8s 1	0s27	1n31	1n11	18s39	1s59	17s34	0n 8	17s 1	1s 6	26s49	3s 7	8s24	8s17	18s29		n.a.
M 2	10 27	9 58	3 19	16 20	0n15	21 23	1 2	8 18	0 28	1 26	1 11	18 41	1 59	17 34	0 8	17 2	1 6	26 49	3 7	8 24	8 19	18 27		n.a.
T 3	10 5	15 25	4 8	16 26	0 31	21 19	0 57	8 35	0 29	1 21	1 11	18 42	1 59	17 35	0 8	17 2	1 6	26 49	3 7	8 23	8 20	18 24		n.a.
W 4	9 43	20 20	4 45	16 29	0 45	21 13	0 52	8 52	0 29	1 16	1 10	18 43	1 59	17 35	0 8	17 3	1 6	26 49	3 7	8 23	8 21	18 21		n.a.
T 5	9 21	24 24	5 9	16 27	0 58	21 7	0 48	9 9	0 30	1 10	1 10	18 44	1 59	17 36	0 8	17 3	1 6	26 49	3 7	8 23	8 22	18 18		n.a.
F 6	8 59	27 19	5 18	16 21	1 9	21 1	0 43	9 26	0 31	1 5	1 10	18 46	1 59	17 36	0 8	17 4	1 6	26 49	3 7	8 23	8 23	18 16		n.a.
S 7	8 36	28 41	5 8	16 11	1 19	20 54	0 38	9 42	0 31	1 0	1 10	18 47	1 59	17 37	0 8	17 4	1 6	26 49	3 7	8 23	8 25	18 13		n.a.
S 8	8 14	28 15	4 41	15 57	1 28	20 46	0 34	9 59	0 32	0 55	1 10	18 48	1 59	17 37	0 8	17 5	1 6	26 49	3 7	8 23	8 26	18 10		n.a.
M 9	7 51	25 54	3 54	15 40	1 36	20 38	0 29	10 16	0 33	0 50	1 10	18 49	1 59	17 38	0 8	17 5	1 6	26 49	3 7	8 23	8 27	18 7		n.a.
T 10	7 28	21 45	2 52	15 20	1 42	20 29	0 25	10 33	0 33	0 44	1 10	18 50	1 59	17 38	0 8	17 5	1 6	26 49	3 7	8 23	8 28	18 4		n.a.
W11	7 5	16 10	1 37	14 56	1 48	20 19	0 20	10 49	0 34	0 39	1 10	18 51	1 59	17 39	0 8	17 6	1 6	26 49	3 7	8 23	8 29	18 2		n.a.
T 12	6 42	9 35	0 14	14 30	1 52	20 9	0 16	11 6	0 35	0 34	1 10	18 52	1 59	17 39	0 8	17 6	1 6	26 49	3 7	8 23	8 31	17 59		n.a.
F 13	6 19	2 30	1s 8	14 1	1 55	19 58	0 12	11 22	0 35	0 29	1 10	18 53	1 59	17 40	0 8	17 7	1 6	26 49	3 7	8 23	8 32	17 56		n.a.
S 14	5 56	4s37	2 25	13 30	1 57	19 47	0 7	11 39	0 36	0 23	1 10	18 54	1 59	17 40	0 8	17 7	1 6	26 49	3 7	8 23	8 33	17 53		n.a.
S 15	5 32	11 20	3 31	12 57	1 58	19 35	0 3	11 55	0 37	0 18	1 9	18 55	1 59	17 41	0 8	17 8	1 6	26 49	3 7	8 23	8 34	17 50		n.a.
M16	5 9	17 17	4 22	12 22	1 59	19 23	0n 1	12 11	0 37	0 13	1 9	18 56	1 59	17 41	0 8	17 8	1 6	26 49	3 7	8 24	8 35	17 47		n.a.
T 17	4 45	22 10	4 57	11 45	1 58	19 10	0 5	12 28	0 38	0 7	1 9	18 57	1 59	17 42	0 8	17 8	1 6	26 49	3 7	8 24	8 37	17 45		n.a.
W18	4 21	25 48	5 14	11 7	1 57	18 56	0 9	12 44	0 39	0 2	1 9	18 58	1 59	17 43	0 8	17 9	1 6	26 49	3 7	8 25	8 38	17 42		n.a.
T 19	3 58	28 0	5 16	10 27	1 56	18 42	0 13	13 0	0 39	0s 3	1 9	18 59	1 59	17 43	0 8	17 9	1 6	26 49	3 7	8 25	8 39	17 39		n.a.
F 20	3 34	28 44	5 2	9 47	1 54	18 27	0 17	13 16	0 40	0 9	1 9	19 0	1 59	17 44	0 8	17 10	1 6	26 49	3 7	8 25	8 40	17 36		n.a.
S 21	3 10	28 3	4 35	9 5	1 51	18 12	0 21	13 32	0 40	0 14	1 9	19 1	1 58	17 45	0 8	17 10	1 6	26 49	3 7	8 25	8 41	17 33		n.a.
S 22	2 46	26 4	3 57	8 23	1 48	17 56	0 25	13 47	0 41	0 19	1 9	19 1	1 58	17 45	0 8	17 10	1 6	26 49	3 7	8 24	8 43	17 30		n.a.
M23	2 22	22 57	3 8	7 40	1 44	17 40	0 29	14 3	0 42	0 25	1 9	19 2	1 58	17 46	0 8	17 11	1 6	26 49	3 7	8 24	8 44	17 27		n.a.
T 24	1 58	18 54	2 12	6 56	1 40	17 23	0 32	14 19	0 42	0 30	1 9	19 3	1 58	17 47	0 8	17 11	1 6	26 49	3 7	8 23	8 45	17 25		n.a.
W25	1 34	14 8	1 10	6 12	1 36	17 6	0 36	14 34	0 43	0 35	1 9	19 4	1 58	17 47	0 8	17 11	1 6	26 49	3 7	8 23	8 46	17 22		n.a.
T 26	1 9	8 49	0 5	5 28	1 31	16 48	0 39	14 49	0 43	0 41	1 9	19 4	1 58	17 48	0 8	17 12	1 6	26 49	3 7	8 22	8 47	17 19		n.a.
F 27	0 45	3 8	1n 1	4 43	1 26	16 30	0 43	15 5	0 44	0 46	1 9	19 5	1 58	17 49	0 8	17 12	1 6	26 49	3 7	8 23	8 49	17 16		n.a.
S 28	0 21	2n43	2 5	3 58	1 21	16 11	0 46	15 20	0 45	0 51	1 9	19 6	1 58	17 49	0 8	17 12	1 6	26 49	3 7	8 23	8 50	17 13		n.a.
S 29	0s 3	8 33	3 4	3 13	1 15	15 51	0 50	15 35	0 45	0 57	1 9	19 6	1 58	17 50	0 8	17 13	1 6	26 49	3 7	8 24	8 51	17 10		n.a.
M30	0s27	14n 8	3n55	2n27	1n10	15n32	0n53	15s50	0s46	1s 2	1n 9	19s 7	1s58	17s51	0n 8	17s13	1s 6	26s49	3s 7	8s25	8s52	17s 7		n.a.

Julian Day Number = 1556938.5, Delta T = 04h26m53s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'31, Lahiri = -10°10'30 Julian Calendar 1 Sept. 451 BCE == Greg. Calendar 27 Aug. 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

OCTOBER 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 15 26	2♎ 8'19	9♉37	28♍12	22♌ 9	11♏ 4	5♎24	12°R36	20♏ 2	16°R15	25♐58	8°R37	7♓26	18♒29	n.a.	T 1
W 2	0 19 23	3° 8'34	22°34	29°52	23°21	11°49	5°37	12♒34	20° 5	16♒14	25°59	8♓33	7°23	18°36	n.a.	W 2
T 3	0 23 19	4° 8'52	5♊45	1♎30	24°32	12°34	5°50	12°32	20° 8	16°13	25°59	8°30	7°20	18°42	n.a.	T 3
F 4	0 27 16	5° 9'11	19°11	3° 9	25°44	13°19	6° 3	12°30	20°11	16°12	26° 0	8°27	7°17	18°49	n.a.	F 4
S 5	0 31 12	6° 9'33	2♋52	4°47	26°55	14° 4	6°17	12°28	20°14	16°11	26° 1	8°D26	7°14	18°56	n.a.	S 5
S 6	0 35 9	7° 9'57	16°49	6°24	28° 7	14°49	6°30	12°26	20°16	16°10	26° 1	8°27	7°10	19° 2	n.a.	S 6
M 7	0 39 5	8°10'23	1♌ 0	8° 1	29°19	15°34	6°43	12°25	20°19	16° 9	26° 2	8°28	7° 7	19° 9	n.a.	M 7
T 8	0 43 2	9°10'51	15°25	9°38	0♍31	16°19	6°56	12°23	20°22	16° 8	26° 2	8°29	7° 4	19°16	n.a.	T 8
W 9	0 46 58	10°11'21	0♍ 1	11°14	1°43	17° 4	7°10	12°22	20°25	16° 7	26° 3	8°31	7° 1	19°22	n.a.	W 9
T 10	0 50 55	11°11'52	14°43	12°50	2°55	17°50	7°23	12°21	20°28	16° 7	26° 4	8°R31	6°58	19°29	n.a.	T 10
F 11	0 54 52	12°12'26	29°24	14°26	4° 8	18°35	7°36	12°19	20°31	16° 6	26° 5	8°29	6°54	19°36	n.a.	F 11
S 12	0 58 48	13°13'01	13♎59	16° 1	5°20	19°21	7°50	12°18	20°34	16° 5	26° 5	8°26	6°51	19°42	n.a.	S 12
S 13	1 2 45	14°13'38	28°20	17°36	6°33	20° 6	8° 3	12°17	20°38	16° 4	26° 6	8°21	6°48	19°49	n.a.	S 13
M14	1 6 41	15°14'17	12♏22	19°11	7°45	20°52	8°16	12°16	20°41	16° 4	26° 7	8°15	6°45	19°56	n.a.	M14
T 15	1 10 38	16°14'57	26° 1	20°45	8°58	21°37	8°29	12°16	20°44	16° 3	26° 8	8° 8	6°42	20° 2	n.a.	T 15
W16	1 14 34	17°15'39	9♐14	22°20	10°11	22°23	8°43	12°15	20°47	16° 2	26° 9	8° 3	6°39	20° 9	n.a.	W16
T 17	1 18 31	18°16'22	22° 4	23°54	11°23	23° 9	8°56	12°14	20°50	16° 2	26°10	7°58	6°35	20°16	n.a.	T 17
F 18	1 22 27	19°17'06	4♑32	25°27	12°36	23°55	9° 9	12°14	20°53	16° 1	26°11	7°55	6°32	20°22	n.a.	F 18
S 19	1 26 24	20°17'52	16°43	27° 1	13°49	24°41	9°22	12°13	20°57	16° 1	26°12	7°D53	6°29	20°29	n.a.	S 19
S 20	1 30 21	21°18'38	28°41	28°34	15° 2	25°26	9°35	12°13	21° 0	16° 0	26°13	7°54	6°26	20°36	n.a.	S 20
M21	1 34 17	22°19'26	10♒31	0♏ 7	16°16	26°12	9°49	12°13	21° 3	16° 0	26°14	7°55	6°23	20°42	n.a.	M21
T 22	1 38 14	23°20'15	22°18	1°40	17°29	26°58	10° 2	12°D13	21° 7	16° 0	26°15	7°56	6°20	20°49	n.a.	T 22
W23	1 42 10	24°21'05	4♓ 9	3°13	18°42	27°44	10°15	12°13	21°10	15°59	26°16	7°R57	6°16	20°55	n.a.	W23
T 24	1 46 7	25°21'56	16° 6	4°46	19°56	28°30	10°28	12°13	21°13	15°59	26°17	7°57	6°13	21° 2	n.a.	T 24
F 25	1 50 3	26°22'48	28°14	6°18	21° 9	29°17	10°41	12°14	21°17	15°58	26°18	7°55	6°10	21° 9	n.a.	F 25
S 26	1 54 0	27°23'41	10♈36	7°50	22°22	0♐ 3	10°54	12°14	21°20	15°58	26°19	7°50	6° 7	21°15	n.a.	S 26
S 27	1 57 56	28°24'36	23°12	9°22	23°36	0°49	11° 7	12°15	21°23	15°58	26°20	7°43	6° 4	21°22	n.a.	S 27
M28	2 1 53	29°25'32	6♉ 5	10°54	24°50	1°35	11°20	12°15	21°27	15°58	26°22	7°35	6° 0	21°29	n.a.	M28
T 29	2 5 50	0♏26'29	19°12	12°26	26° 3	2°21	11°33	12°16	21°30	15°58	26°23	7°25	5°57	21°35	n.a.	T 29
W30	2 9 46	1°27'27	2♊33	13°58	27°17	3° 8	11°46	12°17	21°34	15°57	26°24	7°15	5°54	21°42	n.a.	W30
T 31	2 13 43	2♏28'27	16♊ 5	15♏29	28♍31	3♐54	11♎59	12♒18	21♏37	15♒57	26♐25	7♓ 7	5♓51	21♒49	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	0s52	19n13	4n35	1n42	1n 4	15n11	0n56	16s 4	0s46	1s 7	1n 9	19s 7	1s58	17s52	0n 8	17s13	1s 6	26s49	3s 7	8s27	8s53	17s 4			n.a.
W 2	1 16	23 31	5 2	0 56	0 58	14 50	0 59	16 19	0 47	1 13	1 9	19 8	1 57	17 52	0 8	17 14	1 6	26 49	3 7	8 28	8 55	17 2			n.a.
T 3	1 40	26 41	5 14	0 11	0 52	14 29	1 2	16 34	0 47	1 18	1 8	19 8	1 57	17 53	0 8	17 14	1 6	26 49	3 7	8 29	8 56	16 59			n.a.
F 4	2 4	28 26	5 9	0s34	0 46	14 7	1 5	16 48	0 48	1 23	1 8	19 9	1 57	17 54	0 8	17 14	1 6	26 49	3 7	8 30	8 57	16 56			n.a.
S 5	2 29	28 29	4 46	1 19	0 39	13 45	1 8	17 2	0 48	1 29	1 8	19 9	1 57	17 55	0 7	17 15	1 6	26 49	3 7	8 31	8 58	16 53			n.a.
S 6	2 53	26 45	4 6	2 4	0 33	13 23	1 10	17 16	0 49	1 34	1 8	19 10	1 57	17 56	0 7	17 15	1 6	26 49	3 7	8 31	8 59	16 50			n.a.
M 7	3 17	23 18	3 11	2 49	0 27	13 0	1 13	17 30	0 50	1 39	1 8	19 10	1 57	17 56	0 7	17 15	1 6	26 49	3 7	8 30	9 1	16 47			n.a.
T 8	3 41	18 23	2 3	3 33	0 20	12 36	1 15	17 44	0 50	1 45	1 8	19 10	1 57	17 57	0 7	17 15	1 6	26 49	3 7	8 30	9 2	16 44			n.a.
W 9	4 5	12 20	0 46	4 18	0 13	12 13	1 18	17 58	0 51	1 50	1 8	19 11	1 57	17 58	0 7	17 16	1 6	26 49	3 7	8 29	9 3	16 41			n.a.
T 10	4 29	5 35	0s34	5 2	0 7	11 49	1 20	18 11	0 51	1 55	1 8	19 11	1 57	17 59	0 7	17 16	1 6	26 49	3 7	8 29	9 4	16 38			n.a.
F 11	4 53	1s28	1 52	5 45	0 0	11 24	1 22	18 24	0 52	2 1	1 8	19 11	1 56	18 0	0 7	17 16	1 6	26 49	3 7	8 30	9 5	16 35			n.a.
S 12	5 17	8 22	3 2	6 29	0s 6	10 59	1 25	18 38	0 52	2 6	1 8	19 11	1 56	18 1	0 7	17 16	1 6	26 49	3 7	8 31	9 7	16 32			n.a.
S 13	5 41	14 44	3 59	7 12	0 13	10 34	1 27	18 51	0 53	2 11	1 8	19 11	1 56	18 1	0 7	17 16	1 6	26 49	3 7	8 33	9 8	16 29			n.a.
M14	6 5	20 11	4 40	7 54	0 19	10 8	1 29	19 3	0 53	2 17	1 8	19 12	1 56	18 2	0 7	17 17	1 6	26 49	3 7	8 35	9 9	16 27			n.a.
T 15	6 28	24 25	5 4	8 36	0 26	9 43	1 31	19 16	0 53	2 22	1 8	19 12	1 56	18 3	0 7	17 17	1 6	26 49	3 7	8 37	9 10	16 24			n.a.
W16	6 52	27 14	5 10	9 18	0 32	9 16	1 33	19 28	0 54	2 27	1 8	19 12	1 56	18 4	0 7	17 17	1 6	26 49	3 7	8 40	9 11	16 21			n.a.
T 17	7 15	28 31	5 1	9 59	0 39	8 50	1 34	19 41	0 54	2 33	1 8	19 12	1 56	18 5	0 7	17 17	1 6	26 49	3 7	8 42	9 13	16 18			n.a.
F 18	7 39	28 18	4 38	10 40	0 45	8 23	1 36	19 53	0 55	2 38	1 8	19 12	1 56	18 6	0 7	17 17	1 6	26 49	3 7	8 43	9 14	16 15			n.a.
S 19	8 2	26 42	4 2	11 20	0 51	7 56	1 37	20 5	0 55	2 43	1 8	19 12	1 55	18 7	0 7	17 17	1 6	26 49	3 7	8 43	9 15	16 12			n.a.
S 20	8 25	23 54	3 17	12 0	0 57	7 29	1 39	20 16	0 56	2 48	1 8	19 12	1 55	18 7	0 7	17 17	1 6	26 49	3 7	8 43	9 16	16 9			n.a.
M21	8 48	20 8	2 23	12 39	1 3	7 2	1 40	20 28	0 56	2 54	1 8	19 12	1 55	18 8	0 7	17 18	1 6	26 49	3 7	8 43	9 17	16 6			n.a.
T 22	9 11	15 35	1 24	13 17	1 9	6 34	1 42	20 39	0 57	2 59	1 8	19 12	1 55	18 9	0 7	17 18	1 6	26 49	3 7	8 42	9 18	16 3			n.a.
W23	9 34	10 26	0 21	13 55	1 15	6 6	1 43	20 50	0 57	3 4	1 8	19 11	1 55	18 10	0 7	17 18	1 6	26 49	3 7	8 42	9 20	16 0			n.a.
T 24	9 56	4 53	0n44	14 32	1 20	5 38	1 44	21 1	0 57	3 9	1 8	19 11	1 55	18 11	0 7	17 18	1 6	26 49	3 7	8 42	9 21	15 57			n.a.
F 25	10 19	0n56	1 47	15 9	1 26	5 9	1 45	21 12	0 58	3 14	1 8	19 11	1 55	18 12	0 7	17 18	1 6	26 49	3 7	8 43	9 22	15 54			n.a.
S 26	10 41	6 48	2 47	15 44	1 31	4 41	1 46	21 22	0 58	3 19	1 8	19 11	1 54	18 13	0 7	17 18	1 6	26 49	3 7	8 44	9 23	15 51			n.a.
S 27	11 3	12 31	3 39	16 19	1 36	4 12	1 47	21 32	0 59	3 25	1 8	19 10	1 54	18 14	0 7	17 18	1 6	26 49	3 7	8 47	9 24	15 48			n.a.
M28	11 25	17 49	4 21	16 54	1 41	3 43	1 47	21 43	0 59	3 30	1 8	19 10	1 54	18 15	0 7	17 18	1 6	26 49	3 7	8 50	9 26	15 45			n.a.
T 29	11 46	22 24	4 50	17 27	1 46	3 14	1 48	21 52	0 59	3 35	1 8	19 10	1 54	18 16	0 7	17 18	1 5	26 49	3 7	8 54	9 27	15 42			n.a.
W30	12 8	25 55	5 4	17 59	1 50	2 45	1 49	22 2	1 0	3 40	1 8	19 9	1 54	18 17	0 7	17 18	1 5	26 49	3 7	8 58	9 28	15 39			n.a.
T 31	12s29	28n 1	5n 2	18s31	1s55	2n16	1n49	22s11	1s 0	3s45	1n 8	19s 9	1s54	18s17	0n 7	17s18	1s 5	26s49	3s 7	9s 1	9s29	15s36			n.a.

Julian Day Number = 1556968.5, Delta T = 04h26m52s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'27, Lahiri = -10°10'26 Julian Calendar 1 Oct. 451 BCE == Greg. Calendar 26 Sept. 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

NOVEMBER 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 17 39	3♏29'27	29♊47	17♏ 0	29♍45	4♐41	12♎12	12♒19	21♏41	15°R57	26♐27	7°R 0	5♓48	21♒55	n.a.	F 1
S 2	2 21 36	4°30'30	13♋37	18°31	0♎59	5°27	12°24	12°20	21°44	15♒57	26°28	6♓55	5°45	22° 2	n.a.	S 2
S 3	2 25 32	5°31'33	27°34	20° 2	2°13	6°14	12°37	12°21	21°48	15°D57	26°29	6°53	5°41	22° 9	n.a.	S 3
M 4	2 29 29	6°32'38	11♌37	21°32	3°27	7° 0	12°50	12°23	21°51	15°57	26°31	6°D53	5°38	22°15	n.a.	M 4
T 5	2 33 26	7°33'44	25°45	23° 2	4°41	7°47	13° 3	12°24	21°55	15°57	26°32	6°54	5°35	22°22	n.a.	T 5
W 6	2 37 22	8°34'51	9♍58	24°31	5°55	8°33	13°15	12°26	21°59	15°57	26°33	6°R54	5°32	22°29	n.a.	W 6
T 7	2 41 19	9°35'59	24°12	26° 0	7° 9	9°20	13°28	12°27	22° 2	15°57	26°35	6°53	5°29	22°35	n.a.	T 7
F 8	2 45 15	10°37'09	8♎26	27°28	8°23	10° 7	13°41	12°29	22° 6	15°58	26°36	6°49	5°25	22°42	n.a.	F 8
S 9	2 49 12	11°38'19	22°36	28°55	9°38	10°53	13°53	12°31	22° 9	15°58	26°38	6°42	5°22	22°49	n.a.	S 9
S 10	2 53 8	12°39'30	6♏37	0♐21	10°52	11°40	14° 6	12°33	22°13	15°58	26°39	6°33	5°19	22°55	n.a.	S 10
M11	2 57 5	13°40'42	20°24	1°47	12° 6	12°27	14°18	12°35	22°17	15°58	26°41	6°22	5°16	23° 2	n.a.	M11
T 12	3 1 1	14°41'54	3♐54	3°10	13°21	13°14	14°30	12°37	22°20	15°59	26°42	6°10	5°13	23° 8	n.a.	T 12
W13	3 4 58	15°43'08	17° 3	4°33	14°35	14° 1	14°43	12°40	22°24	15°59	26°44	5°58	5°10	23°15	n.a.	W13
T 14	3 8 55	16°44'21	29°51	5°53	15°50	14°47	14°55	12°42	22°27	15°59	26°45	5°48	5° 6	23°22	n.a.	T 14
F 15	3 12 51	17°45'35	12♑20	7°11	17° 4	15°34	15° 7	12°45	22°31	16° 0	26°47	5°40	5° 3	23°28	n.a.	F 15
S 16	3 16 48	18°46'50	24°31	8°27	18°19	16°21	15°19	12°47	22°35	16° 0	26°48	5°34	5° 0	23°35	n.a.	S 16
S 17	3 20 44	19°48'04	6♒30	9°39	19°33	17° 8	15°32	12°50	22°38	16° 1	26°50	5°32	4°57	23°42	n.a.	S 17
M18	3 24 41	20°49'19	18°20	10°49	20°48	17°55	15°44	12°53	22°42	16° 1	26°52	5°D31	4°54	23°48	n.a.	M18
T 19	3 28 37	21°50'33	0♓ 7	11°54	22° 2	18°42	15°56	12°56	22°46	16° 2	26°53	5°R31	4°51	23°55	n.a.	T 19
W20	3 32 34	22°51'48	11°58	12°54	23°17	19°29	16° 8	12°59	22°49	16° 2	26°55	5°31	4°47	24° 2	n.a.	W20
T 21	3 36 30	23°53'03	23°56	13°49	24°31	20°16	16°19	13° 2	22°53	16° 3	26°57	5°29	4°44	24° 8	n.a.	T 21
F 22	3 40 27	24°54'18	6♈ 8	14°38	25°46	21° 3	16°31	13° 5	22°57	16° 4	26°58	5°26	4°41	24°15	n.a.	F 22
S 23	3 44 24	25°55'33	18°38	15°19	27° 1	21°51	16°43	13° 9	23° 0	16° 4	27° 0	5°19	4°38	24°22	n.a.	S 23
S 24	3 48 20	26°56'48	1♉27	15°53	28°15	22°38	16°55	13°12	23° 4	16° 5	27° 2	5°10	4°35	24°28	n.a.	S 24
M25	3 52 17	27°58'03	14°37	16°18	29°30	23°25	17° 6	13°16	23° 8	16° 6	27° 3	4°59	4°31	24°35	n.a.	M25
T 26	3 56 13	28°59'18	28° 7	16°33	0♏45	24°12	17°18	13°19	23°11	16° 7	27° 5	4°46	4°28	24°42	n.a.	T 26
W27	4 0 10	0♐ 0'33	11♊54	16°R38	2° 0	24°59	17°29	13°23	23°15	16° 7	27° 7	4°33	4°25	24°48	n.a.	W27
T 28	4 4 6	1° 1'49	25°54	16°31	3°14	25°46	17°41	13°27	23°18	16° 8	27° 9	4°21	4°22	24°55	n.a.	T 28
F 29	4 8 3	2° 3'04	10♋ 3	16°13	4°29	26°33	17°52	13°31	23°22	16° 9	27°10	4°11	4°19	25° 2	n.a.	F 29
S 30	4 12 0	3♐ 4'20	24♋15	15♐43	5♏44	27♐21	18♎ 3	13♒35	23♏26	16♒10	27♐12	4♓ 4	4♓16	25♒ 8	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s50	28n27	4n42	19s 2	1s59	1n46	1n49	22s20	1s 0	3s50	1n 8	19s 9	1s54	18s18	0n 7	17s18	1s 5	26s49	3s 7	9s 3	9s30	15s33		n.a.
S 2	13 11	27 7	4 5	19 31	2 2	1 17	1 50	22 29	1 1	3 55	1 8	19 8	1 53	18 19	0 7	17 18	1 5	26 49	3 7	9 5	9 31	15 30		n.a.
S 3	13 32	24 5	3 14	20 0	2 6	0 47	1 50	22 38	1 1	4 0	1 8	19 8	1 53	18 20	0 7	17 18	1 5	26 50	3 7	9 6	9 33	15 27		n.a.
M 4	13 53	19 37	2 11	20 27	2 9	0 17	1 50	22 46	1 1	4 5	1 8	19 7	1 53	18 21	0 7	17 18	1 5	26 50	3 7	9 6	9 34	15 24		n.a.
T 5	14 13	14 2	0 59	20 53	2 11	0s12	1 50	22 54	1 2	4 10	1 8	19 7	1 53	18 22	0 7	17 18	1 5	26 50	3 7	9 6	9 35	15 21		n.a.
W 6	14 33	7 41	0s16	21 18	2 14	0 42	1 50	23 2	1 2	4 15	1 8	19 6	1 53	18 23	0 7	17 18	1 5	26 50	3 7	9 6	9 36	15 18		n.a.
T 7	14 53	0 57	1 31	21 42	2 16	1 12	1 50	23 10	1 2	4 20	1 9	19 5	1 53	18 24	0 7	17 18	1 5	26 50	3 7	9 6	9 37	15 15		n.a.
F 8	15 12	5s50	2 40	22 4	2 17	1 42	1 50	23 17	1 3	4 25	1 9	19 5	1 53	18 25	0 7	17 18	1 5	26 50	3 7	9 7	9 39	15 12		n.a.
S 9	15 31	12 16	3 38	22 25	2 18	2 11	1 49	23 24	1 3	4 30	1 9	19 4	1 52	18 26	0 7	17 18	1 5	26 50	3 7	9 10	9 40	15 9		n.a.
S 10	15 50	18 1	4 23	22 45	2 19	2 41	1 49	23 31	1 3	4 35	1 9	19 3	1 52	18 27	0 7	17 18	1 5	26 50	3 7	9 13	9 41	15 6		n.a.
M11	16 9	22 44	4 51	23 3	2 19	3 11	1 49	23 38	1 3	4 39	1 9	19 3	1 52	18 28	0 7	17 17	1 5	26 50	3 7	9 18	9 42	15 3		n.a.
T 12	16 27	26 8	5 2	23 19	2 18	3 41	1 48	23 44	1 4	4 44	1 9	19 2	1 52	18 29	0 7	17 17	1 5	26 50	3 7	9 22	9 43	15 0		n.a.
W13	16 46	28 2	4 57	23 34	2 17	4 11	1 47	23 50	1 4	4 49	1 9	19 1	1 52	18 30	0 7	17 17	1 5	26 50	3 8	9 27	9 44	14 57		n.a.
T 14	17 3	28 21	4 36	23 47	2 15	4 40	1 47	23 56	1 4	4 54	1 9	19 0	1 52	18 31	0 7	17 17	1 5	26 50	3 8	9 30	9 46	14 54		n.a.
F 15	17 21	27 12	4 3	23 58	2 12	5 10	1 46	24 2	1 4	4 58	1 9	18 59	1 52	18 32	0 7	17 17	1 5	26 50	3 8	9 33	9 47	14 51		n.a.
S 16	17 38	24 46	3 20	24 7	2 8	5 39	1 45	24 7	1 5	5 3	1 9	18 58	1 52	18 33	0 7	17 17	1 5	26 50	3 8	9 35	9 48	14 48		n.a.
S 17	17 55	21 16	2 28	24 14	2 4	6 9	1 44	24 12	1 5	5 8	1 9	18 57	1 51	18 34	0 7	17 17	1 5	26 50	3 8	9 36	9 49	14 45		n.a.
M18	18 12	16 57	1 30	24 19	1 59	6 38	1 43	24 17	1 5	5 12	1 9	18 56	1 51	18 34	0 7	17 16	1 5	26 50	3 8	9 37	9 50	14 42		n.a.
T 19	18 28	12 1	0 29	24 22	1 52	7 7	1 42	24 21	1 5	5 17	1 9	18 55	1 51	18 35	0 7	17 16	1 5	26 51	3 8	9 37	9 52	14 39		n.a.
W20	18 44	6 38	0n34	24 22	1 45	7 36	1 41	24 25	1 6	5 22	1 9	18 54	1 51	18 36	0 7	17 16	1 5	26 51	3 8	9 37	9 53	14 36		n.a.
T 21	18 59	0 58	1 36	24 21	1 36	8 5	1 40	24 29	1 6	5 26	1 9	18 53	1 51	18 37	0 7	17 16	1 5	26 51	3 8	9 37	9 54	14 32		n.a.
F 22	19 14	4n50	2 35	24 17	1 26	8 33	1 38	24 33	1 6	5 31	1 9	18 52	1 51	18 38	0 7	17 16	1 5	26 51	3 8	9 38	9 55	14 29		n.a.
S 23	19 29	10 35	3 27	24 11	1 15	9 2	1 37	24 36	1 6	5 35	1 9	18 51	1 51	18 39	0 7	17 15	1 5	26 51	3 8	9 41	9 56	14 26		n.a.
S 24	19 44	16 2	4 10	24 2	1 3	9 30	1 36	24 39	1 6	5 40	1 9	18 50	1 50	18 40	0 7	17 15	1 5	26 51	3 8	9 44	9 57	14 23		n.a.
M25	19 58	20 54	4 42	23 52	0 50	9 58	1 34	24 42	1 7	5 44	1 10	18 49	1 50	18 41	0 7	17 15	1 5	26 51	3 8	9 49	9 59	14 20		n.a.
T 26	20 12	24 50	4 58	23 38	0 35	10 26	1 33	24 44	1 7	5 48	1 10	18 48	1 50	18 42	0 7	17 15	1 5	26 51	3 8	9 53	10 0	14 17		n.a.
W27	20 25	27 25	4 58	23 23	0 18	10 54	1 31	24 46	1 7	5 53	1 10	18 47	1 50	18 43	0 7	17 14	1 5	26 51	3 8	9 58	10 1	14 14		n.a.
T 28	20 38	28 21	4 39	23 5	0 1	11 21	1 30	24 48	1 7	5 57	1 10	18 45	1 50	18 44	0 7	17 14	1 5	26 51	3 8	10 3	10 2	14 11		n.a.
F 29	20 51	27 25	4 4	22 44	0n17	11 48	1 28	24 49	1 7	6 1	1 10	18 44	1 50	18 45	0 7	17 14	1 5	26 51	3 8	10 6	10 3	14 8		n.a.
S 30	21s 3	24n43	3n13	22s22	0n37	12s15	1n26	24s51	1s 7	6s 6	1n10	18s43	1s50	18s46	0n 7	17s13	1s 5	26s51	3s 8	10s 9	10s 4	14s 5		n.a.

Julian Day Number = 1556999.5, Delta T = 04h26m50s
Ecliptic obliquity = 23°45'08, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'22, Lahiri = -10°10'22 Julian Calendar 1 Nov. 451 BCE == Greg. Calendar 27 Oct. 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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ASTRODIENST EPHEMERIS for the year 451 BCE
geocentric

DECEMBER 451 BCE (-450) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 15 56	4♐ 5'36	8♌27	15°R 1	6♏59	28♐ 8	18♎14	13♒39	23♏29	16♒11	27♐14	4°R 0	4♓12	25♒15	n.a.	S 1
M 2	4 19 53	5° 6'51	22°37	14♐ 8	8°14	28°55	18°25	13°43	23°33	16°12	27°16	3♓59	4° 9	25°21	n.a.	M 2
T 3	4 23 49	6° 8'07	6♍42	13° 6	9°28	29°42	18°36	13°47	23°37	16°13	27°18	3°59	4° 6	25°28	n.a.	T 3
W 4	4 27 46	7° 9'23	20°43	11°56	10°43	0♑30	18°47	13°51	23°40	16°14	27°20	3°58	4° 3	25°35	n.a.	W 4
T 5	4 31 42	8°10'40	4♎38	10°39	11°58	1°17	18°58	13°56	23°44	16°15	27°21	3°57	4° 0	25°41	n.a.	T 5
F 6	4 35 39	9°11'56	18°28	9°20	13°13	2° 4	19° 9	14° 0	23°47	16°16	27°23	3°52	3°57	25°48	n.a.	F 6
S 7	4 39 35	10°13'12	2♏10	8° 0	14°28	2°52	19°20	14° 5	23°51	16°17	27°25	3°45	3°53	25°55	n.a.	S 7
S 8	4 43 32	11°14'28	15°44	6°41	15°43	3°39	19°30	14° 9	23°54	16°19	27°27	3°34	3°50	26° 1	n.a.	S 8
M 9	4 47 29	12°15'43	29° 7	5°27	16°58	4°26	19°41	14°14	23°58	16°20	27°29	3°22	3°47	26° 8	n.a.	M 9
T 10	4 51 25	13°16'59	12♐17	4°18	18°13	5°14	19°51	14°19	24° 1	16°21	27°31	3° 8	3°44	26°15	n.a.	T 10
W11	4 55 22	14°18'14	25°11	3°18	19°28	6° 1	20° 1	14°24	24° 5	16°22	27°33	2°54	3°41	26°21	n.a.	W11
T 12	4 59 18	15°19'28	7♑50	2°26	20°42	6°48	20°11	14°29	24° 8	16°24	27°34	2°43	3°37	26°28	n.a.	T 12
F 13	5 3 15	16°20'42	20°12	1°43	21°57	7°36	20°21	14°34	24°12	16°25	27°36	2°33	3°34	26°35	n.a.	F 13
S 14	5 7 11	17°21'55	2♒21	1°10	23°12	8°23	20°31	14°39	24°15	16°26	27°38	2°26	3°31	26°41	n.a.	S 14
S 15	5 11 8	18°23'07	14°17	0°47	24°27	9°10	20°41	14°44	24°19	16°28	27°40	2°22	3°28	26°48	n.a.	S 15
M16	5 15 4	19°24'18	26° 7	0°33	25°42	9°58	20°51	14°50	24°22	16°29	27°42	2°21	3°25	26°55	n.a.	M16
T 17	5 19 1	20°25'28	7♓53	0°D28	26°57	10°45	21° 1	14°55	24°25	16°30	27°44	2°D21	3°22	27° 1	n.a.	T 17
W18	5 22 58	21°26'37	19°43	0°32	28°12	11°32	21°10	15° 0	24°29	16°32	27°46	2°R21	3°18	27° 8	n.a.	W18
T 19	5 26 54	22°27'44	1♈41	0°43	29°27	12°20	21°20	15° 6	24°32	16°33	27°48	2°21	3°15	27°14	n.a.	T 19
F 20	5 30 51	23°28'51	13°52	1° 1	0♐42	13° 7	21°29	15°11	24°35	16°35	27°50	2°18	3°12	27°21	n.a.	F 20
S 21	5 34 47	24°29'57	26°22	1°26	1°57	13°55	21°38	15°17	24°39	16°36	27°52	2°14	3° 9	27°28	n.a.	S 21
S 22	5 38 44	25°31'02	9♉15	1°57	3°12	14°42	21°47	15°23	24°42	16°38	27°54	2° 7	3° 6	27°34	n.a.	S 22
M23	5 42 40	26°32'05	22°33	2°33	4°26	15°29	21°56	15°29	24°45	16°40	27°56	1°58	3° 3	27°41	n.a.	M23
T 24	5 46 37	27°33'08	6♊16	3°14	5°41	16°17	22° 5	15°34	24°49	16°41	27°58	1°47	2°59	27°48	n.a.	T 24
W25	5 50 34	28°34'09	20°22	4° 0	6°56	17° 4	22°14	15°40	24°52	16°43	28° 0	1°36	2°56	27°54	n.a.	W25
T 26	5 54 30	29°35'09	4♋47	4°50	8°11	17°51	22°22	15°46	24°55	16°44	28° 1	1°26	2°53	28° 1	n.a.	T 26
F 27	5 58 27	0♑36'08	19°22	5°43	9°26	18°38	22°31	15°52	24°58	16°46	28° 3	1°18	2°50	28° 8	n.a.	F 27
S 28	6 2 23	1°37'06	4♌ 2	6°40	10°41	19°26	22°39	15°58	25° 1	16°48	28° 5	1°13	2°47	28°14	n.a.	S 28
S 29	6 6 20	2°38'04	18°40	7°39	11°56	20°13	22°47	16° 4	25° 4	16°50	28° 7	1°10	2°43	28°21	n.a.	S 29
M30	6 10 16	3°39'00	3♍10	8°42	13°11	21° 0	22°56	16°11	25° 7	16°51	28° 9	1°D 9	2°40	28°28	n.a.	M30
T 31	6 14 13	4♑39'55	17♍28	9♐46	14♐26	21♑48	23♎ 4	16♒17	25♏10	16♒53	28♐11	1♓10	2♓37	28♒34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	21s14	20n29	2n10	21s58	0n56	12s42	1n24	24s52	1s 7	6s10	1n10	18s42	1s50	18s47	0n 7	17s13	1s 5	26s51	3s 8	10s10	10s 6	14s 2			n.a.
M 2	21 26	15 6	1 0	21 32	1 16	13 8	1 22	24 52	1 7	6 14	1 10	18 40	1 49	18 48	0 7	17 13	1 5	26 52	3 8	10 11	10 7	13 59			n.a.
T 3	21 37	8 57	0s14	21 5	1 36	13 34	1 21	24 53	1 8	6 18	1 10	18 39	1 49	18 48	0 7	17 12	1 5	26 52	3 8	10 11	10 8	13 56			n.a.
W 4	21 47	2 24	1 27	20 37	1 55	14 0	1 19	24 53	1 8	6 22	1 10	18 38	1 49	18 49	0 7	17 12	1 5	26 52	3 8	10 11	10 9	13 52			n.a.
T 5	21 57	4s13	2 34	20 9	2 13	14 25	1 17	24 53	1 8	6 26	1 10	18 36	1 49	18 50	0 7	17 12	1 5	26 52	3 8	10 11	10 10	13 49			n.a.
F 6	22 7	10 35	3 32	19 41	2 29	14 50	1 14	24 52	1 8	6 30	1 11	18 35	1 49	18 51	0 7	17 11	1 4	26 52	3 8	10 13	10 11	13 46			n.a.
S 7	22 16	16 23	4 16	19 14	2 43	15 14	1 12	24 51	1 8	6 34	1 11	18 33	1 49	18 52	0 7	17 11	1 4	26 52	3 8	10 16	10 13	13 43			n.a.
S 8	22 25	21 19	4 46	18 50	2 55	15 38	1 10	24 50	1 8	6 38	1 11	18 32	1 49	18 53	0 7	17 11	1 4	26 52	3 8	10 20	10 14	13 40			n.a.
M 9	22 34	25 5	4 59	18 27	3 5	16 2	1 8	24 49	1 8	6 42	1 11	18 30	1 49	18 54	0 7	17 10	1 4	26 52	3 9	10 24	10 15	13 37			n.a.
T 10	22 41	27 27	4 56	18 8	3 12	16 25	1 6	24 47	1 8	6 46	1 11	18 29	1 49	18 55	0 7	17 10	1 4	26 52	3 9	10 29	10 16	13 34			n.a.
W11	22 49	28 18	4 38	17 52	3 17	16 48	1 4	24 45	1 8	6 50	1 11	18 27	1 48	18 56	0 7	17 9	1 4	26 52	3 9	10 34	10 17	13 31			n.a.
T 12	22 56	27 37	4 7	17 39	3 20	17 11	1 1	24 43	1 8	6 54	1 11	18 26	1 48	18 57	0 7	17 9	1 4	26 52	3 9	10 39	10 18	13 28			n.a.
F 13	23 2	25 34	3 24	17 30	3 20	17 33	0 59	24 40	1 8	6 57	1 11	18 24	1 48	18 57	0 7	17 9	1 4	26 53	3 9	10 42	10 20	13 24			n.a.
S 14	23 9	22 22	2 32	17 25	3 19	17 54	0 57	24 37	1 8	7 1	1 11	18 22	1 48	18 58	0 7	17 8	1 4	26 53	3 9	10 44	10 21	13 21			n.a.
S 15	23 14	18 16	1 34	17 23	3 16	18 15	0 54	24 34	1 8	7 5	1 12	18 21	1 48	18 59	0 7	17 8	1 4	26 53	3 9	10 46	10 22	13 18			n.a.
M16	23 19	13 30	0 33	17 24	3 12	18 36	0 52	24 31	1 8	7 8	1 12	18 19	1 48	19 0	0 7	17 7	1 4	26 53	3 9	10 46	10 23	13 15			n.a.
T 17	23 24	8 16	0n30	17 29	3 7	18 56	0 49	24 27	1 8	7 12	1 12	18 17	1 48	19 1	0 7	17 7	1 4	26 53	3 9	10 46	10 24	13 12			n.a.
W18	23 28	2 44	1 31	17 36	3 0	19 15	0 47	24 23	1 8	7 15	1 12	18 16	1 48	19 2	0 7	17 6	1 4	26 53	3 9	10 46	10 25	13 9			n.a.
T 19	23 32	2n57	2 29	17 45	2 53	19 34	0 44	24 18	1 8	7 19	1 12	18 14	1 48	19 2	0 7	17 6	1 4	26 53	3 9	10 47	10 27	13 6			n.a.
F 20	23 35	8 38	3 22	17 56	2 45	19 53	0 42	24 14	1 8	7 22	1 12	18 12	1 48	19 3	0 7	17 5	1 4	26 53	3 9	10 47	10 28	13 3			n.a.
S 21	23 38	14 7	4 7	18 10	2 37	20 11	0 39	24 9	1 8	7 25	1 12	18 10	1 48	19 4	0 7	17 5	1 4	26 53	3 9	10 49	10 29	12 59			n.a.
S 22	23 40	19 10	4 40	18 24	2 28	20 28	0 37	24 4	1 8	7 29	1 12	18 9	1 47	19 5	0 7	17 4	1 4	26 54	3 9	10 51	10 30	12 56			n.a.
M23	23 42	23 28	4 59	18 41	2 19	20 45	0 34	23 58	1 8	7 32	1 13	18 7	1 47	19 6	0 7	17 4	1 4	26 54	3 10	10 55	10 31	12 53			n.a.
T 24	23 44	26 36	5 2	18 58	2 9	21 1	0 32	23 52	1 8	7 35	1 13	18 5	1 47	19 7	0 7	17 3	1 4	26 54	3 10	10 59	10 32	12 50			n.a.
W25	23 45	28 10	4 47	19 16	2 0	21 16	0 29	23 46	1 8	7 38	1 13	18 3	1 47	19 7	0 7	17 3	1 4	26 54	3 10	11 3	10 34	12 47			n.a.
T 26	23 45	27 54	4 14	19 34	1 50	21 31	0 27	23 40	1 8	7 42	1 13	18 1	1 47	19 8	0 7	17 2	1 4	26 54	3 10	11 6	10 35	12 44			n.a.
F 27	23 45	25 42	3 24	19 53	1 41	21 45	0 24	23 34	1 8	7 45	1 13	17 59	1 47	19 9	0 7	17 2	1 4	26 54	3 10	11 9	10 36	12 41			n.a.
S 28	23 44	21 45	2 20	20 12	1 31	21 59	0 22	23 27	1 8	7 48	1 13	17 57	1 47	19 10	0 7	17 1	1 4	26 54	3 10	11 11	10 37	12 37			n.a.
S 29	23 44	16 29	1 6	20 32	1 22	22 12	0 19	23 20	1 8	7 51	1 13	17 55	1 47	19 10	0 7	17 1	1 4	26 54	3 10	11 12	10 38	12 34			n.a.
M30	23 42	10 19	0s11	20 51	1 12	22 24	0 16	23 12	1 8	7 53	1 14	17 53	1 47	19 11	0 7	17 0	1 4	26 54	3 10	11 12	10 39	12 31			n.a.
T 31	23s40	3n42	1s26	21s10	1n 3	22s36	0n14	23s 5	1s 8	7s56	1n14	17s52	1s47	19s12	0n 7	17s 0	1s 4	26s55	3s10	11s12	10s41	12s28			n.a.

Julian Day Number = 1557029.5, Delta T = 04h26m49s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'18, Lahiri = -10°10'18 Julian Calendar 1 Dec. 451 BCE == Greg. Calendar 26 Nov. 451 BCE

The year -450 astronomical counting style corresponds to year 451 B.C.E historical counting style.

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